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SPARK ARRESTER GUIDE— General Purpose and Locomotive (GP/Loco) Volume 1



*Cover: Logging operation in Big Woods Experimental Forest, Virginia—1946.
(The photo is from the U.S. Forest Service historical photo site).*

SPARK ARRESTER GUIDE— General Purpose and Locomotive (GP/Loco) Volume 1



**San Dimas Technology & Development Center
San Dimas, CA 91773-3198**

September 2012

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TABLE OF CONTENTS

General Purpose and Locomotive

Foreword	v
General Instructions for Use of the Spark Arrester Guide (SAG)	vii
Updates to the SAG.....	vii
Reprint Information	vii
Basic Definitions and Test Standards	viii
General Purpose Spark Arrester Inspection Procedures	x
Manufacturers Trademarks.....	1
Spark Arrester Brand Name/ Manufacturer/Address	2
2011 Qualified and Rated List—General Purpose Spark Arresters	11
Engine Exhaust Flow Charts	93

GENERAL PURPOSE AND GENERAL PURPOSE SCREEN-TYPE SPARK ARRESTERS

Acerbis.....	99
Advanced Car Specialties	99
Air-Maze	104
Akrapovic.....	105
American JD Group Co	108
An Krizman	109
Answer Products	109
Answer, J&R.....	109
A.P. Parts.....	110
Arctic Cat.....	110
BBR Motorsports	111
Berkeley.....	112
Big Gun.....	112
Bombardier	113
Bombardier-Krizman.....	113
Briggs & Stratton	114

BUB Enterprises	116
Burgess-Manning	116
Cal-Tube.....	117
Caterpillar	117
CEDCO.....	117
Champion	118
ChongQing	118
Clark	120
Coleman	121
Cone.....	123
Coop.....	123
Cycle Gear.....	124
Daishin Industries	124
Davis.....	124
DG Performance Specialities	125
DiscoJet.....	125
DMC	126
Domestic.....	127
Donaldson	127
Eastern Tools & Equipment	133
Echo	134
EES	134
Enduro Engineering.....	135
Eton	135
Farr Aspirator.....	136
FMF	137
FMF Racing.....	137
Forester	138
Fuji.....	138
Generac.....	141
Gill	143
Gilson	147
Gorman-Rupp.....	147
Hale	147
Hapco	148
Harley-Davidson	153

TABLE OF CONTENTS

General Purpose and Locomotive

Her Chee	153	O&R.....	277
Hodaka	154	Onan.....	277
Hodaka-Krizman.....	154	Performance Specialities.....	280
Honda	154	Phillips & Temro.....	280
Honda-Krizman.....	168	PKM.....	281
Honda-Nelson.....	176	Polaris.....	281
Hooker	177	Powell.....	290
Horstman-Krizman.....	177	Pro Aluminum	291
Husqvarna	178	Pro-Circuit.....	291
Hutchins Freflo	178	Pro Moto Billet	291
IHC	178	Protech	292
International Merchandising Service (IMS) ...	179	Reliable.....	292
J&R Krizman.....	179	Riker	293
J.G. Minter & Sons	180	Rocket Exhaust	294
John Deere	181	Rupp.....	295
Joker Machine	181	Sanyang	295
Kawasaki	181	Seastrom	296
Kawasaki-Krizman.....	187	SITO Gruppo Industriale (SGI).....	296
Keen Perceptions	191	Skyway	299
Kerker-Krizman.....	191	Skyway-Cobra	299
Kittell.....	191	Soundmaster	300
Kohler	193	Sparester	300
Krizman	195	Sparky	301
KTM	195	Stemco	302
Kubota	196	Strader.....	302
Kymco.....	197	Summit Industries	302
LRD	198	Supertrapp.....	303
Magnum-Krizman	199	Suzuki.....	304
Magnum Racing	199	Suzuki-Krizman	307
Maremont	199	Suzuki-Sparester	310
Maxim.....	200	Taylor.....	311
McCulloch.....	200	Teck	313
Murphy.....	201	Tecumseh	314
Muzzy	201	Tillery	314
Nelson	202	Toomey Racing.....	315
Nelson-Burgess	276	Toro.....	315

TABLE OF CONTENTS

General Purpose and Locomotive

Torque.....	316
Two Brothers Racing	316
United Motors of America	317
US Forest Service	318
Wacker	318
Wajax Pacific	318
Walker	319
Washington	319
White Brothers.....	320
Wildfire Fire Equipment	320
Wildfire Pacific.....	321
Wintec.....	321
Xducer (see Supertrapp)	321
Yamaha	322
Yamaha-Krizman	328
Yamaha-Skyway.....	330
Yellow Jacket	330
Yoshimura.....	331
Yuba	331

LOCOMOTIVE-TYPE SPARK ARRESTERS

Standards for Locomotive-Type Spark Arresters.....	335
Locomotive-Type Spark Arrester Inspection Procedures.....	335
Inspection.....	336
Identification Key.....	336
Internal or Manifold-Type.....	336
Locomotive Spark Arresters Internal Spark Arresters—Body Types	337
Locomotive Spark Arresters—Leg Configurations	338
2007 Qualified List—Locomotive.....	339
2007 Locomotive Type Spark Arrester Manufacturer List.....	345
Helpful Hints	347

MIC SOUND TEST DATA FOR OFF-HIGHWAY MOTORCYCLES AND ATVS

How to Conduct the Stationary Sound Test ..	347
1985-2005 Model Test RPM Data	
Arctic Cat ATVs	349
ATK Motorcycles	349
Bombardier ATVs	350
Honda Motorcycles	351
Honda ATVs	352
Kawasaki Motorcycles	353
Kawasaki ATVs	355
KTM Motorcycles	356
Polaris ATVs.....	358
Suzuki Motorcycles	360
Suzuki ATVs	361
Yamaha Motorcycles.....	362
Yamaha ATVs.....	364
2006-2009 Model Test RPM Data	
Arctic Cat ATVs	365
Bombardier ATVs	365
Honda Motorcycles	366
Honda ATVs	366
Kawasaki Motorcycles	367
Kawasaki ATVs	367
KTM Motorcycles	368
Polaris ATVs.....	368
Suzuki Motorcycles	369
Suzuki ATVs	369
Yamaha Motorcycles.....	370
Yamaha ATVs.....	370

FOREWORD

In 1986 the National Wildfire Coordinating Group (NWCG) authorized the Fire Equipment Working Team (FEWT) to establish a subcommittee to improve and update the Spark Arrester Guide (SAG). The subcommittee reduced the size of the previous SAG and redesigned it to improve its effectiveness and expand its applicability to more wildland fire agencies and geographic regions. The SAG is published for the guidance of cooperating Federal, State, and local agencies and is now a publication of the U.S. Forest Service. Federal and State laws and administrative requirements prescribe when and where spark arresters are required.

Appropriate Standards referenced in this SAG establish the minimum performance and maintenance requirements of spark arresters for internal combustion engines to be operated on or near grass, timber, brush, or other wildland fuels. During periods of very high or extreme fire danger, spark arresters meeting these Standards will not give complete protection against exhaust spark fires. Additional measures, including shutdown of operations, may be required during such periods.

The U.S. Forest Service maintains a spark arrester test facility at the San Dimas Technology and Development Center, 444 East Bonita Avenue, San Dimas, CA 91773. The camera-ready copy for the Spark Arrester Guide was produced by the following personnel:

Ralph Gonzales—Fire Program Leader
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NOTES:

GENERAL INSTRUCTIONS FOR USE OF THE SPARK ARRESTER GUIDE (SAG)

The General Purpose and Locomotive (GP&L) SAG is a compilation of information, lists, and illustrations of qualified GP&L spark arrester systems and engines—including their identifying markings, design, and assembly.

The intent of the SAG is to provide field inspectors with adequate information to determine if an engine and exhaust system combination have been tested and qualified by the San Dimas Technology and Development Center (SDTDC) as meeting the Standard for spark arresting exhaust systems.

In each publication, there is a section for each type of arrester with illustrations of spark arresters listed in alphabetical order by the manufacturer's name, and lists of qualified and rated spark arresters of that type. Inspectors can use these sections to verify qualification status. Specific instructions for use of each section precede the section.

Use of the SAG is also illustrated in the video "Spark Arresters and the Prevention of Wildland Fires" and may be used as a supplemental instruction tool. The video contains five separate modules titled, "Introduction, Multiposition Small Engine, General Purpose, Off Highway, and Railroad."

The three SAG publications and the video may be requested from:

San Dimas Technology & Development Center
(SDTDC)

444 E. Bonita Avenue
San Dimas, CA 91773

FAX: 909-592-2309

Email: mailroom.wo.sdtcdc@fs.fed.us

[<http://fsweb/programs/fire/spark/sag-index.html>](http://fsweb/programs/fire/spark/sag-index.html)

BASIC DEFINITIONS AND TEST STANDARDS

Exhaust Particles—All internal combustion engines produce exhaust particles which are predominately carbon with contaminants. These particles originate from deposits formed on the internal surfaces of the engine or exhaust system and, depending on their exact origin, may be expelled at temperatures in excess of 3,000 °F. Depending on the nature of the contaminants, these particles are capable of glowing or sometimes flaming combustion. When expelled through the exhaust system into the atmosphere, the combustion process may continue or even be accelerated during flight. Such particles, if larger than 0.023-inch in diameter and at temperatures of 1,200 °F, are capable of igniting cellulose materials upon contact.

A Spark Arrester is a device which traps or pulverizes exhaust carbon particles to a size below 0.023-inch in diameter, as they are expelled from an exhaust system. Trap-type spark arresters must have a method for removal of accumulated carbon particles. Most spark arresters generally perform in the high 90 percent spark arresting effectiveness range.

General Purpose Spark Arresters are tested against Forest Service Standard 5100-1c or the latest revision of Society of Automotive Engineers (SAE) Recommended Practice SAE J350. Either of these documents establish the minimum performance and maintenance requirements of single-position application general purpose spark arresters. Spark arresting effectiveness shall be at least 80 percent for all flow rates on the cold test which correlates to 90 percent on a hot engine.

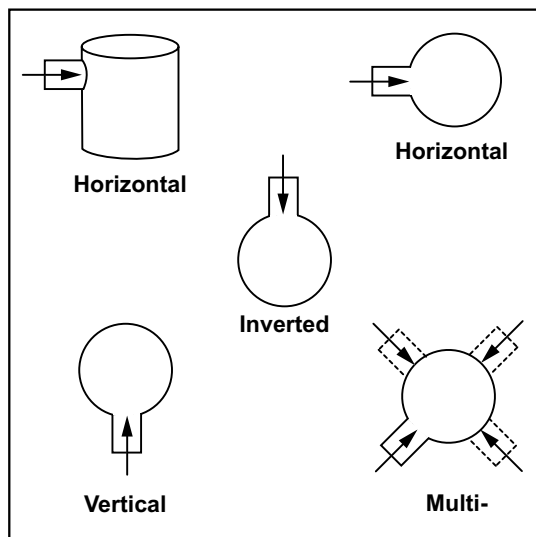
Screen-Type Spark Arresters as defined by Forest Service Standard 5100-1c fall into a special category. They are intended for use on small engine applications. All exhaust products must pass through the screen, which has openings of 0.023-inch or less. The effective exhaust area of the screen (total area of all screen openings) shall not be less than 200 percent of the engine exhaust port area at its

smallest cross section. Screen material shall be heat and corrosion resistant, and shall provide at least 100 hours of service life. These are originally qualified for all the positions described in the "Application Positions" section.

"Add-On" Spark Arresters are added onto an existing muffler exhaust system. They are typically used on off-highway-vehicles. Add-on spark arresters must have a method for removal of accumulated carbon particles, such as a cleanout plug, snap ring, removable end cap, or a removable end cleanout. A removable end cleanout is usually secured to the muffler by a retaining band and/or several screws. In order to empty out the accumulated carbon particles with a removable end cleanout, the entire add-on must be removed by loosening the retaining band or screws, to shake out the carbon particles.

The retaining band or screw may not be replaced by welding the removable end cleanout to the existing muffler. This is considered a modification and also does not allow for removal of accumulated carbon particles. Any modification to the spark arrester as compared to the SAG line drawing in this SAG, voids qualification.

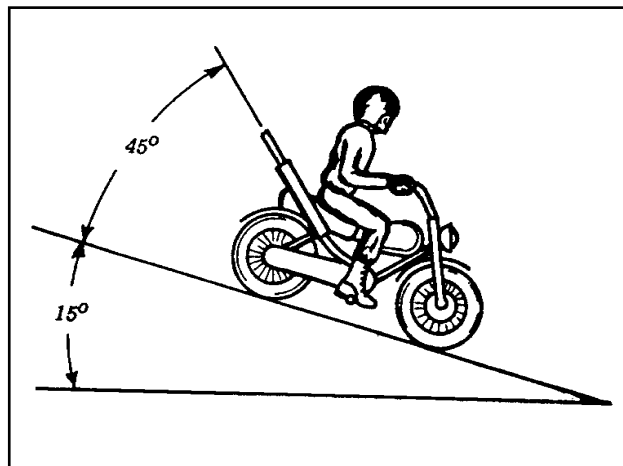
Application Positions—Four general positions are considered—vertical, horizontal, inverted, and multiposition. The application is determined by the attitude of the inlet pipe irrespective of the main body position or direction of outlet.



For example:

The qualified positions listed include only those tested. In some cases, the manufacturer may claim other positions, but test information at this time neither support or refute such claims. An arrester tilted more than 60 degrees from its qualified operating position may not adequately arrest sparks. Therefore, arresters on mobile equipment—other than screen type arresters—shall not be mounted more than 45 degrees from the qualified position. See column marked "Appl Pos."

Note that Forest Service Standard 5100-1c allows 60 degrees deviation, but at least 15 degrees should be reserved for deviations because of road grade or slope. (See illustration.)



Rated Flow of Arrester is the rate of test gas flow in cubic feet per minute at which the corresponding back pressure is 1 pound per square inch. This is the maximum desirable back pressure for most 4-stroke cycle applications. See column marked "Flow." Note: General Purpose Screen Type Spark Arresters are limited to the listed rated flow, 2 or 4 cycle, and horsepower.

Some 2-cylinder engines may require a higher back pressure. An arrester may be used above its rated flow—provided it maintains a qualifying arresting effectiveness at all levels of use. Arresters that do not have an adequate effectiveness above their rated flow will be designated in the "Remarks" column, and are not qualified to operate in applications where they may be ineffective. With this exception,

a qualified arrester properly installed and maintained is acceptable legally regardless of size or rated flow. It is the owner's business if he/she chooses an arrester too large or too small, even though the cost may be excessive or the back pressure too high.

Cleaning—The arrester shall have provision for the easy disposal of the accumulated particles without removal of the clamping or mounting devices from the stack, pipe, or manifold assembly. Screen-type devices shall provide for the easy removal and cleaning or replacement of the screen.

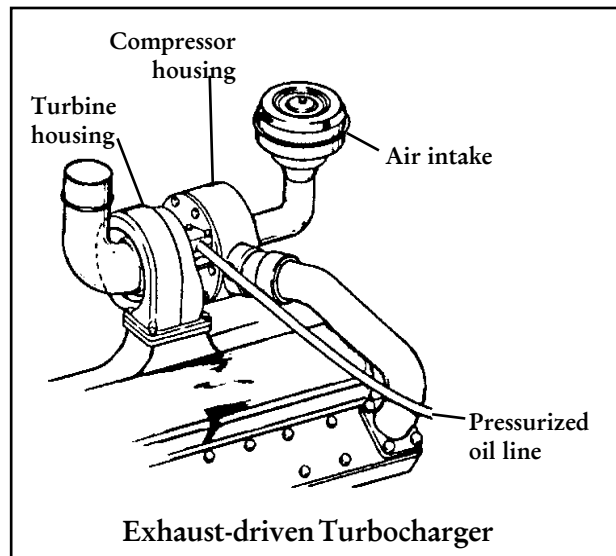
Marking and Labeling—Each arrester shall be permanently marked with the manufacturer's model number designation and a trademark or other identification of manufacturer. Where an inverted installation is possible, the inlet or outlet shall also be marked. In addition to the above markings, screen-type devices must have the words "Screen Type" clearly imprinted in 1/8-inch or larger letters. The model number must match exactly. The words "Qualified" or "Approved" are not required, and do not indicate that the unit is in fact a qualified arrester.

Discontinued Models will be called out under "Remarks."

Mufflers—Experience and tests have shown that mufflers, in general, are inadequate as spark arresters. Few muffler devices submitted for formal tests meet the requirements of Forest Service Standard 5100-1c or SAE J350. However, properly maintained baffled mufflers constructed to automotive industry standards, and installed on motor vehicles other than motorcycles are accepted for "onhighway" and "off-road" use in some jurisdictions. Exceptions are for designated areas where a spark arrester is required on cross-country vehicles. Straight-through mufflers, such as glass-pack designs without baffles, are not acceptable. Consult your agency's policy for more specific guidelines.

Turbochargers qualify as effective spark arresters when 100 percent of the exhaust gases pass through the turbine wheel. The turbine wheel must be turning at all times and there must be no exhaust bypass to the atmosphere. Depending on design, small enclosed system bypasses that reroute some of the exhaust back through the engine may be allowed. The illustration of the exhaust-driven turbocharger shows the air intake and the exhaust path through the turbine wheel. The action of the rotating turbine wheel causes carbon particles to remain within the confines of the turbo-drive section until they are reduced to a harmless size by attrition.

Superchargers, which are strictly mechanically driven, do not qualify.



Diesel Particulate Filters—Diesel Particulate Filters (DPFs) qualify as effective spark arresters provide 100% of exhaust gases flow through the filter and the filter has not been modified from its OEM configuration. The design of the DPF physically prevents the passage of large particulate matter which would be of concern for ignition of wildland fuels. The presence of a DPF can be identified by one of three methods:

1. Emission Control Label – This is a permanent plate or label with the heading "Emission Control Information". It should be located in a conspicuous

location within the engine compartment. Part of the label should read “Emission Control System” followed by one or more emissions control device acronyms. If the label reads “PTOX” or “DPF”, the engine uses a diesel particulate filter.

2. Owner’s Manual – EPA provisions allow emissions control information to be placed in the owner’s manual if it does not fit on the emission control label. If a DPF is installed, the emissions section of the owner’s manual should include references to the DPF or PTOX (periodic trap oxidizer). Ensure the owner’s manual matches the equipment being inspected.
3. Engine Certification Database – The California Air Resources Board (CARB) maintains a listing of certified engines. Certification information can be obtained online (<http://www.arb.ca.gov/msprog/offroad/cert/cert.php>). The appropriate search category is “Offroad Compression-Ignition Engines (Diesel)”. After selecting the model year and manufacturer, a listing of certified engine families is shown. The engine family can be found on the Emissions Control Label. Click on the “executive order” link for the appropriate engine family. Emissions system information is shown in the table under “Special Features & Emission Control Systems”. “Periodic trap oxidizer” or “Diesel particulate filter” should be included here if it is an OEM component.

Exhaust System—The exhaust system consists of the manifold (on multicylinder engines), muffler or spark arrester or both, an exhaust pipe between the engine cylinder exhaust outlet port, and the end of the exhaust pipe which is open to the atmosphere.

Exhaust Manifold—A chamber into which the exhaust from each of the engine cylinders is collected. The exhaust is then directed out of the manifold to a muffler or spark arrester or both.

Most large locomotive engines have the spark arrester designed into the exhaust manifold. Small, single-cylinder engines do not have manifolds.

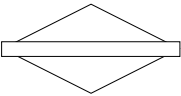
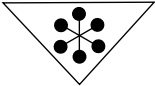
Modification—Any modification or damage to any part of the system as it was presented to SDTDC for testing voids the qualifications of the spark arrester on the equipment. Modifications usually consist of removal of or damage to parts, change in exhaust outlets, replacing the fiberglass packing with steel wool, improper mounting, and bypasses. Follow your agency policies when a modified/unqualified spark arrester system is encountered.

GENERAL PURPOSE SPARK ARRESTER INSPECTION PROCEDURES

Standard 5100-1c requires that each arrester shall be permanently marked with the model number and the manufacturer's name or trademark. The model number must match exactly. The identification must be stamped in the metal body or on an attached metal plate. The words "Qualified" or "Approved" are not required, and do not indicate that the unit is in fact a qualified arrester.

1. If identification of the manufacturer's name and model number is found, then refer to the "Qualified and Rated" list.
2. Check the "Qualified and Rated" list to establish if the arrester is qualified.
3. If not on the "Qualified and Rated" list, be sure to check any SAG update information you have received since the time of the printing of your present SAG. The absence of an arrester from these lists indicates that the arrester has not been qualified.
4. After the arrester has been identified, turn to the Drawing Section and check the spark arrester illustration for an exact match on the configuration, dimensions, and cleanout devices. The drawing must match the spark arrester you are inspecting.
5. Suggested tools for inspections:
 - a. Handtools to open cleanout, screwdriver, and pliers.
 - b. Flashlight.
 - c. 1/8-inch wire rod or stick to probe inside the arrester to determine if stationary fan or vanes are in place.
 - d. Tape measure.
 - e. 0.024-inch wire gauge to determine screen size.
6. Inspect to ensure that:
 - a. The spark arrester is correct for the position of application.
 - b. The exhaust system between the engine and the spark arrester is in good order.
 - c. The arrester is properly maintained and cleaned out when necessary.
 - d. There are no modifications to the exhaust system.
7. More detailed instructions are available in the NWCG video, "Spark Arresters and the Prevention of Wildland Fires."
8. Follow your agency's policies when an unqualified spark arrester system is encountered.

TRADEMARKS USED FOR MANUFACTURER IDENTIFICATION

Manufacturer	Trademark
AKRAPOVIC	
AP PARTS	
BRIGGS & STRATTON	
DMC	
FLEETGUARD	FGD
FUJI	
GENERAC	 
HER CHEE	HC
MAREMONT	
McCULLOCH	
NELSON	NM
SOUNDMASTER/WALKER	
TECUMSEH (formerly TAYLOR)	

2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1	Acerbis 035MFS2	Horizontal	74	105	Retaining screws loosen easily
2	Acerbis 035MFS5	Horizontal	60	105	~
3	Acerbis 035MFS6	Horizontal	64	105	~
4	Active Exhaust Corp 176053	Horizontal	98	106	~
5	Active Exhaust Corp 193120	Horizontal	182	106	See ACS 114-5589
6	Active Exhaust Corp 242804	Horizontal	182		See ACS 114-5589
7	Active Exhaust Corp 275000	Horizontal	106		~
8	Active Exhaust Corp 6693891	Horizontal	192	107	~
9	Active Exhaust Corp 7001911	Horizontal	156		See ACS 7000320
10	Active Exhaust Corp 7175098	Horizontal	98		See ACS 7141744
11	Active Exhaust Corp 114-5589	Horizontal	182	106	Two different tailpipe length
12	Active Exhaust Corp 119-3860	Horizontal	153	105	See ACS 242129
13	Active Exhaust Corp 322/X2670	Horizontal	250	105	~
14	Active Exhaust Corp AEC 272381	Horizontal	153		See ACS 114-5589
15	Active Exhaust Corp AEC 273122	Horizontal	182		See ACS 114-5589
16	Active Exhaust Corp AEC 7191061	Horizontal	78		~
17	Active Exhaust Corp AM140802	Horizontal	130		~
18	Active Exhaust Corp L12426-1	Vertical	303		See ACS L13349
19	Active Exhaust Corp L12426-1	Vertical	303		See ACS L13349
20	Active Exhaust Corp RSA20125B	Horizontal	74	109	See ACS RSA20125A
21	Active Exhaust Corp RSA30125	Multiple	204		Screen Type
22	Active Exhaust Corp G6983	Horizontal	180	108	~
23	Active Exhaust Corp 243922	Horizontal	153	109	See ACS 242129
24	Active Exhaust Corp 7148346	Horizontal	210	109	See ACS 7142021
25	Active Exhaust Corp 7181055	Horizontal	210	109	See ACS 7142021
26	Active Exhaust Corp 332/X5766	Horizontal	250	106	See AEC 332/X2670
27	Active Exhaust Corp 243831	Horizontal	409	107	~
28	Active Exhaust Corp 274983	Horizontal	182	107	See ACS 114-5589
29	Active Exhaust Corp 243375	Horizontal	200	106	~
30	Active Exhaust Corp 322/X2670	Horizontal	221		~
31	Active Exhaust Corp RFSA001	Horizontal	109	109	Screen Type
32	Advanced Car Specialties 29513	Multiple	154		Marked as “ACS Screen Type RSA20100”
33	Advanced Car Specialties 29514	Multiple	154		Marked as “ACS Screen Type RSA20125” For 34 HP or smaller 4
34					stroke engine

*~: no diagram; image temporarily unavailable

2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
35	Advanced Car Specialties 29520	Multiple	154		Marked as “ACS Screen Type RSA20137” For 34 HP or smaller 4 stroke engine
36					
37	Advanced Car Specialties 29550	Multiple	154		Marked as “ACS Screen Type RSA20150” For 34 HP or smaller 4 stroke engine
38					
39	Advanced Car Specialties 7142021	Horizontal	210		~
40	Advanced Car Specialties 17999012	Horizontal	270	111	~
41	Advanced Car Specialties 707600468	Multiple	193	111	Screen Type
42	Advanced Car Specialties D1-508-183-03	Horizontal	35		~
43	Advanced Car Specialties D1-508-183-05	Horizontal	59	112	~
44	Advanced Car Specialties RSA20100	Multiple	154		Marked as “ACS Screen Type RSA20100”
45	Advanced Car Specialties RSA20100A	Multiple	59	112	Marked as “ACS RSA20100A Screen Type”
46	Advanced Car Specialties RSA20112	Multiple	74	112	Marked as “ACS RSA20112 Screen Type”
47	Advanced Car Specialties RSA20125	Multiple	74	112	See RSA20112
48	Advanced Car Specialties RSA20125	Multiple	154		Marked as “ACS Screen Type RSA20125” For 34 HP or smaller 4 stroke engine
49					
50	Advanced Car Specialties RSA20125A	Multiple	74	113	See RSA20112
51	Advanced Car Specialties RSA20137	Horizontal	75		~
52	Advanced Car Specialties RSA20137	Multiple	154		Marked as “ACS Screen Type RSA20137” For 34 HP or smaller 4 stroke engine
53					
54	Advanced Car Specialties RSA20138	Multiple	109	113	Marked as “ACS RSA20138 Screen Type”
55	Advanced Car Specialties RSA20150	Multiple	115		Screen type; for 26 hp Kohler 4-stroke engine; N.M. Q617409 SCREEN TYPE
56					
57	Advanced Car Specialties RSA20150	Multiple	154		Marked as “ACS Screen Type RSA20150” For 34 HP or smaller 4 stroke engine
58					
59	Advanced Car Specialties RSA20150A	Multiple	109	113	See RSA20138
60	Advanced Car Specialties RSA20150A-1	Multiple	112	114	Screen Type
61	Advanced Car Specialties RSA20175	Multiple	217	114	Marked as “ACS RSA20175 Screen Type”
62	Advanced Car Specialties RSA20175-3	Multiple	238	115	Marked as “RSA20175-3; SCREEN TYPE; ACS LIMITED ”
63	Advanced Car Specialties RSA20200	Multiple	261	115	Marked as “ACS RSA20200 Screen Type” 55 HP Yanmar 2400
64	Advanced Car Specialties 242129	Horizontal	153		~
65	Advanced Car Specialties 7000320	Horizontal	156	108	~
66	Advanced Car Specialties 7141744	Horizontal	98	110	~
67	Advanced Car Specialties 7144102	Horizontal	98	111	~
68	Advanced Car Specialties 707600468	Multiple	193	111	Screen Type

*~: no diagram; image temporarily unavailable

2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
69	Advanced Car Specialties 18091-0498A	Multiple	251	109	Screen Type
70	Advanced Car Specialties L13349	Vertical	303		~
71	Advanced Car Specialties (ACS) 114-5589	Horizontal	182		~
72	Advantage Performance Distributing 1261223	Multiple	351		Screen type; for 700 cc or smaller motorcycle.
73	Advantage Performance Distributing DMC 2K	Multiple	187		12- 18 disc
74	Advantage Performance Distributing DMC A1	Multiple	351	116	Screen type; for 700 cc or smaller motorcycle.
75	Advantage Performance Distributing DMC A2	Multiple	251		Screen type; for 500 cc or smaller motorcycle.
76	Advantage Performance Distributing DMC B1	Multiple	251		Screen Type
77	Advantage Performance Distributors B1	Multiple	251		~
78	Air-Maze 10FA	Vertical	1270		Horizontal test # 387C Flows above 1270 -not acceptable
79	Air-Maze 146FA	Horizontal	1335	116	Flow at 0 psi back pressure. Unit not rated at 1 psi.
80	Air-Maze 4FA	Vertical	625	116	Horizontal test #387C/Not recommended for flow above 300
81	Air-Maze C1903510	Vertical	640	116	~
82	Air-Maze C1903510	Horizontal	679	116	~
83	Air-Maze C190353	Horizontal	120	116	~
84	Air-Maze C190353	Vertical	140	116	~
85	Air-Maze C190354	Vertical	118	116	~
86	Air-Maze C190354	Horizontal	126	116	~
87	Air-Maze C190355	Horizontal	217	116	~
88	Air-Maze C190355	Vertical	220	116	~
89	Air-Maze C190356	Vertical	238	116	~
90	Air-Maze C190356	Horizontal	302	116	~
91	Air-Maze C190357	Vertical	333	116	~
92	Air-Maze C190358	Horizontal	332	116	~
93	Air-Maze C190358	Vertical	333	116	~
94	Air-Maze C190359	Vertical	640	116	~
95	Akrapovic SA-001	Multiple	222	117	Screen Type
96	Akrapovic SA-002	Multiple	222	117	Screen Type
97	Akrapovic SA-003	Multiple	222	118	Screen Type
98	Akrapovic SA-004	Multiple	222	118	Screen Type
99	Akrapovic SA-005	Multiple	222	118	Screen Type
100	Akrapovic SA-006	Multiple	222	118	Screen Type
101	Akrapovic SA-009	Multiple	222	119	Screen Type
102	Akrapovic SA-010	Multiple	222		Use also in various engines; qualifies for 50 hp or more

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
103	Akrapovic SA-011	Multiple	222	119	Screen Type- see SA-003
104	Akrapovic SA-012	Multiple	222	120	Screen Type- see SA-003
105	Akrapovic SA-013	Multiple	222		Screen type- see SA-003
106	Akrapovic SRO-SA-004	Multiple	222		Engine of application, Husqvarna TE450 - See SA-004
107	Al Baker's XR's Only Competition Exhaust 29738	Multiple	215		Screen type and disc type; 12 disc minimum
108	Alba Action Sports SA01	Multiple	199		Screen type
109	American Honda Motor Co. Inc HM HP7-A1	Horizontal	121		TRX420FA/FGA/FPA TRX420FE/FM/FPE/FPM/TE/TM/
110					TRX500FE/FM/FPM/FPE
111	American JD Group Co. JDSA6.5	Multiple	30	120	Screen Type
112	Ampride 18331	Multiple	69		Screen Type
113	AN Krizman KS6500	Horizontal	99	121	~
114	Answer (J&R) AP500D	Horizontal	91		See Husqvarna-Krizman KS-500D
115	Answer (J&R) AP650	Horizontal	186	203	See J&R Krizman KS-650
116	Answer (J&R) AP6500 Angle	Horizontal	71		Angled Body
117	Answer (J&R) AP6504	Horizontal	60	122	Modified KS-650-A
118	Answer (J&R) AP650A	Horizontal	63	121	See J&R Krizman KS-650A
119	Answer (J&R) AP650C	Horizontal	63	204	Approved as J&R Krizman
120	Answer (J&R) AP650C	Horizontal	97	204	With insert; Required on all AP-650 C
121	Answer (J&R) AP650C Angle	Horizontal	63		Angled body w/insert; band clamp may be replaced with screws
122	Answer (J&R) AP650C Angle	Horizontal	83		Angled Body with insert
123	Answer (J&R) AP650D	Horizontal	67	122	Straight muffler; modified AP-650-O
124	Answer (J&R) AP650M	Horizontal	156	121	Straight muffler; modified AP-650-O
125	Answer (J&R) AP650M	Horizontal	156	121	Modified AP650 O & M
126	Answer (J&R) AP650M Angle	Horizontal	131	122	Angled muffler; modified AP-650-O
127	Answer (J&R) AP650O	Horizontal	63	121	See Answer AP-650-C; KS-650C in an oval muffler.
128	Answer (J&R) AP650O	Horizontal	74	203	See J&R Krizman KS-650-0
129	Answer (J&R) SPro2	Horizontal	74	121	Same as J&R 650-0 Krizman may have an outlet stinger angled down
130					
131	AP Parts 83931893	Horizontal	273	149	See Donaldson FCM06-0037
132	AP Parts 83931893	Vertical	296	149	See Donaldson FCM06-0037
133	AP Parts 83931908	Horizontal	427	149	See Donaldson FCM06-5030
134	AP Parts 83931908	Vertical	436	149	See Donaldson FCM06-5030
135	AP Parts 83931910	Horizontal	597		See Donaldson FCM07-0068
136	AP Parts 83931910	Vertical	644		See Donaldson FCM07-0068

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
137	AP Parts 83931921	Horizontal	842	150	See Donaldson FCM07-0069
138	AP Parts 83931921	Vertical	881	150	See Donaldson FCM07-0069
139	AP Parts 83931933	Horizontal	1177	150	See Donaldson FCM08-0024
140	AP Parts 83931933	Vertical	1200	150	See Donaldson FCM08-0024
141	AP Parts 83933880	Horizontal	1630	150	See Donaldson FCM09-0091
142	AP Parts 83933880	Vertical	1670	150	See Donaldson FCM09-0091
143	AP Parts 83933892	Horizontal	2480	150	See Donaldson FCM10-0016
144	AP Parts 83933892	Vertical	2660	150	See Donaldson FCM10-0016
145	Arctic Cat 0512-398	Multiple	181	122	Screen Type
146	Arctic Cat 0512-219	Multiple	198	122	Used on mufflers 0512-222; 0512-255; 0512-235; 0512-191; and
147					0512-268
148	Arctic Cat 0512-219	Multiple	294	122	Screen Type
149	Arctic Cat 0512-222				
150	Arctic Cat 0512-305	Multiple	204	123	Used on mufflers 0512-222; 0512-255; 0512-235; 0512-191; and
151					0512-268
152	Arctic Cat 0512-306	Multiple	204	123	Used on mufflers 0512-222; 0512-255; 0512-235; 0512-191; and
153					0512-268
154	Arctic Cat 0512-398	Multiple	181	122	Screen Type
155	Arctic Cat 18321-145-00B-1				
156	Arctic Cat 3313-039	Multiple	114	123	Screen Type
157	Arctic Cat 3313-646	Multiple	114		See Artic Cat Inc. 3313-039
158	ArcticCat HC18321145	Multiple	28		Screen Type
159	Arrow Special Parts 29833	Multiple	168		Screen Type
160	Arrow Special Parts 5205007	Multiple	168		Screen Type
161	Arrow Special Parts 5205012	Multiple	171	123	Screen Type
162	Arrow Special Parts 5205018	Horizontal	141		Screen Type
163	BARE-Co B2008	Multiple	408	123	~
164	BBR Motorsports 49028	Multiple	226		Screen type used on Honda XR 600 or Suzuki DRZ400 or smaller
165					motorcycles.
166	BBR Motorsports 340-SA	Multiple	226	124	Screen type used on Honda XR 600 or Suzuki DRZ400 or smaller
167					motorcycles.
168	Berkeley F70-01MC	Horizontal	65	124/132	Primer-arrester/Main body of arrester vertical but not inverted.
169	Berkeley F70-02MC	Horizontal	144	124/132	Primer-arrester/Main body of arrester vertical but not inverted.
170	Big Gun 1261079	Multiple	191		Dome-shaped screen

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
171	Big Gun 1261082	Multiple	191		Cone-shaped screen
172	Big Gun 1261215	Multiple	191		For 4 stroke 650 cc (41 HP) or smaller engine. See White Brothers
173					#2001
174	Big Gun BG2001	Multiple	191	124	Dome-shaped screen
175	Big Gun WB2001	Multiple	191	124	For 4 stroke 650 cc (41 HP) or smaller engine. See White Brothers
176					#2001
177	Big Gun BG 2001	Multiple	191	124	Dome-shaped screen
178	Big Gun BG 2002	Multiple	191	124	Cone-shaped screen
179	Big Gun BG2002	Multiple	191	124	Cone-shaped screen
180	Big Gun WB-2001	Multiple	191	124	For 4 stroke 650 cc (41HP) or smaller engine. See White Brothers
181					# 2001
182	Big One Racing 1812-7726378	Horizontal	216	124	Screen Type
183	Bombardier 1980	Horizontal	62	125	22 mm resonator
184	Bombardier 1980	Horizontal	66	125	28 mm resonator
185	Bombardier 707-600-066	Multiple	186	125	
186	Bombardier CA-952	Horizontal	66	125	26 mm resonator
187	Bombardier CA-952	Horizontal	100	125	30 mm resonator
188	Bombardier CA-9521	Horizontal	72	125	~
189	Bombardier-Krizman CA-950	Horizontal	186	125	~
190	Bombardier-Krizman CA-953	Horizontal	114	125	30 mm resonator
191	Bombardier-Krizman KS-250	Horizontal	17	125	~
192	Bosal 707600545	Multiple	326	126	Screen Type Used on BRP Rotax
193					Engines:301010310/301010311/310810324/310810325
194	Bosal 707600572	Horizontal	113		See also Fleetguard 203913
195	Bosal 707600574	Horizontal	113		See also Fleetguard 203909
196	Bosal 707600575	Horizontal	113		See also Fleetguard 203910
197	Bosal 707600578	Horizontal	106		See also Fleetguard 204062
198	Bosal BRP 707600629	Multiple	326	126	Engine models 707000863, 707000933, 707001038, 707000698
199	Bosal BRP 707600748	Multiple	326	126	Engine models 707000862, 707000956, 707001039, 707000861
200	Briggs & Stratton 209627	Multiple	174		Screen Type
201	Briggs & Stratton 227388	Multiple	30		Use on engine models M9H & V, M 10V, Quantum, 12V Intek, DOV
202					
203	Briggs & Stratton 227477	Multiple	127		Marked "Screen Type 227477" on muffler
204	Briggs & Stratton 227489	Horizontal	44		Marked "Screen Type 227489" on muffler

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
205	Briggs & Stratton 391911	Multiple	25	127	Screen; 4-cycle; 4 hp or smaller
206	Briggs & Stratton 391912	Multiple	25	127	Screen; 4-cycle; 4 hp or smaller
207	Briggs & Stratton 391913	Multiple	50	127	Screen; 4-cycle; 8 hp or smaller
208	Briggs & Stratton 391915	Horizontal	69	127	See Nelson T-14106
209	Briggs & Stratton 392154	Multiple	81	128	Screen; 4-cycle; 16 hp or smaller
210	Briggs & Stratton 396800	Multiple	25	128	Screen; 4-cycle; 4 hp or smaller/Outlet deflector is not permanently attached. (See 391911 or 391912)
211				128	
212	Briggs & Stratton 494486	Multiple	29	128	
213	Briggs & Stratton 698236	Multiple	31		
214	Briggs & Stratton 802502	Multiple	41	128	Screen; 4-cycle; 4 hp or smaller
215	Briggs & Stratton 392154A	Multiple	99	128	Screen; 4-cycle; 16 hp or smaller; replacement for B&S 391254
216	Briggs & Stratton 816268	Multiple	31	129	
217	Briggs & Stratton 816479	Multiple	60	129	
218	Briggs & Stratton Home Power Products 194221	Inverted	79	127	
219	BUB Enterprises #2005	Multiple	231	130	
220	BUB Enterprises 0I1812	Multiple	179	130	~
221	BUB Enterprises G2187	Multiple	179	130	~
222	Burgess-Manning SAT4	Horizontal	790	130	~
223	Burgess-Manning SAT4	Vertical	795	130	~
224	Burgess-Manning SDMC4	Horizontal	965	130	~
225	Burgess-Manning SDMC4	Vertical	1069	130	~
226	Burgess-Manning SDMCLP4	Horizontal	1070		~
227	Burgess-Manning SDMCLP4	Vertical	1332		~
228	CalTube 12853	Multiple	74	131	Screen; 4-cycle 14.1hp or smaller
229	Carmichael Honda 1261223	Multiple	151		Screen type
230	Carmichael Honda CHM0302	Multiple	151		Screen type
231	Caterpillar 345-1847	Horizontal	223	131	~
232	Caterpillar 3B5498	Vertical	380	131	Replaced 2F62229
233	Caterpillar 3B7942	Horizontal	597		See Donaldson FCM07-0068
234	Caterpillar 3B7942	Vertical	640		See Donaldson FCM07-0068
235	Caterpillar 3B7964	Vertical	680	131	~
236	Caterpillar 8N70741	Horizontal	498	131/152	See Donaldson FMM 12-0303
237	Caterpillar 371-1849	Multiple	1118	131	DPF unit
238	Caterpillar 322-6927	Horizontal	823		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
239	Caterpillar 322-7060	Horizontal	1181		~
240	Caterpillar 322-7090	Horizontal	352		~
241	Caterpillar 342-6475	Horizontal	1295		~
242	CEDCO Primer Arrester No. 1	Horizontal	65	132	Primer-arrester. Main body of arrester vertical but not inverted.
243	CEDCO Primer Arrester No. 2	Horizontal	144	132	Primer-arrester. Main body of arrester vertical but not inverted.
244	Champion Power Equipment 49	Horizontal	15	132	Screen Type
245	Champion Power Equipment 88	Multiple	51	132	
246	Champion Power Equipment CPE 90	Multiple	66	132	
247	Chongqing Astronautic Bashan				
248	Motorcycle Mfg. Co. Ltd BS250S	Horizontal	77		Screen Type
249	Chongqing Bitian Industry and Tade Co. 250cc	Multiple	67		Screen Type
250	Chongqing Huansong HSUN 18510-049	Horizontal	43		Screen Type
251	Chongqing Huansong HSUN 18510-053	Horizontal	36		Screen Type
252	Chongqing Huansong HSUN 18171-055	Multiple	158	133	Screen Type
253	Chongqing Huansong HSUN 18172-058	Multiple	158	133	Screen Type
254	Chongqing Huansong HSUN 18133-023	Multiple	118		Screen Type
255	Chongqing Huansong HSUN 18108-025	Horizontal	65		~
256	Chongqing Loncin 113100-101	Multiple	32	134	Screen Type
257	Chongqing Loncin 113100-113	Multiple	44	134	Screen Type
258	Chongqing Loncin 113100-126	Multiple	64	135	Screen Type
259	Chongqing Loncin 213100-248	Multiple	64	135	Screen Type
260	Chongqing Loncin LX150	Multiple	50		Screen Type
261	Chongqing Loncin LX50	Multiple	17		Screen Type
262	Chongqing Loncin LX500	Multiple	148	136	Screen Type
263	Chongqing Rato 18250-A200110	Multiple	87	137	Screen Type
264	Chongqing Rato 18100-Z02	Multiple	30	136	Screen Type
265	Chongqing Rato RA20	Multiple	63		~
266	Chongqing Rato RP-11	Horizontal	70	137	Markings: "RATO SCREEN TYPE RP-11". CLAMP MUST BE INSTALLED
267					
268	Clark 6547049	Horizontal	180	138/292	~
269	Clark 6551409	Vertical	205	138/299	~
270	Clark 6552340	Vertical	209	138/301	~
271	Clark CA C2000	Horizontal	1584	138	~
272	CNH Global 84160738	Horizontal	1089	138	See CNH Global 84328273

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
273	CNH Global 84240366	Vertical	304	138	See CNH Global 84328273
274	CNH Global 84248987	Horizontal	858	138	See CNH Global 84328273
275	CNH Global 84248988	Horizontal	760	138	See CNH Global 84328273
276	CNH Global 84256315	Horizontal	499	138	See CNH Global 84328273
277	CNH Global 84298781	Horizontal	304	138	See CNH Global 84328273
278	CNH Global 84325387	Vertical	530	138	SCR exhaust system-identification on canister body
279	CNH Global 84328266	Vertical	653	138	See CNH Global 84328273
280	CNH Global 84328273	Vertical	650	138	SCR exhaust system-identification on canister body
281	CNH Global 84366815	Vertical	1020	138	See CNH Global 84328273
282	CNH Global 84366817	Vertical	1095	138	See CNH Global 84328273
283	CNH Global 84366819	Vertical	1095	138	See CNH Global 84328273
284	CNH Global 84396513	Vertical	400	138	See CNH Global 84328273
285	CNH Global 84396514	Vertical	500	138	See CNH Global 84328273
286	CNH Global 84398530	Horizontal	858	138	See CNH Global 84328273
287	CNH Global 84398531	Horizontal	1089	138	See CNH Global 84328273
288	Coleman Powermate 04402	Multiple	59	139	Screen Type
289	Coleman Powermate 4402	Multiple	62		Screen Type
290	Coleman Powermate 38984	Multiple	59	140	
291	Coleman Powermate 49822	Horizontal	23	139	See EES 89011-9
292	Coleman Powermate 62002	Horizontal	23	139	See EES 89011-9
293	Coleman Powermate 62065	Multiple	51	140	
294	Cone 390	Vertical	275		~
295	Cone 1100	Vertical	310	141	Pulverizer type spark arrester
296	Cone 1500	Vertical	350		~
297	Cone 10D	Vertical	295	141	~
298	Cone 12D	Vertical	432	141	~
299	Cone 8D	Vertical	182	141	~
300	Coolster (Maxtrade) MXTD-AR2381	Multiple	72		For Coolster ATV. Same as Zhejiang Peace Industry and Co.
301					(Zhejiang) TP-BG333120 with different muffler housing
302	Coop 400A	Horizontal	53	141	~
303	Coop 500A	Horizontal	78	141	~
304	Coop 500A for LT 125	Horizontal	90	141	~
305	Coop 500B	Horizontal	103	141	~
306	CRD Absolute LR7803	Multiple	176		Screen type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
307	Cummins Emission Solutions FGD 204294	Horizontal	131	144	~
308	Cummins Emission Solutions FGD A030M928	Horizontal	152	144	~
309	Cummins Emission Solutions FGD A030U813	Horizontal	107	145	~
310	Cummins Emission Solutions A030M065	Horizontal	84	145	~
311	Cummins Emission Solutions FGD 49020	Multiple	71	145	See Nelson 49020 - Applies to Kubota D722-EBH-3
312	Cummins Exhaust India 61710474	Vertical	1316	145	~
313	Cummins Filtration 202498	Horizontal	60	145	~
314	Cummins Filtration 202685	Horizontal	151	145	~
315	Cummins Filtration 204213	Horizontal	182	145	~
316	Cummins Filtration 205049	Horizontal	181	145	~
317	Cummins Filtration FGD 202498	Horizontal	60		~
318	Cummins Filtration FGD 202685	Horizontal	151		~
319	Cummins Filtration FGD 203554	Horizontal	240	143	~
320	Cummins Filtration FGD 204914	Horizontal	176	145	~
321	Cummins Filtration (Fleetguard) 202689	Vertical Inlet,	163	144	See Nelson 202689
322		Horizontal	205	143	~
323	Cummins Filtration (Fleetguard) 203516	30° below			
324		horizontal inlet,			
325		Horizontal			
326	Cummins Filtration (Fleetguard) 203516	30° below	205		~
327		horizontal inlet,			
328		Horizontal			
329	Cummins Filtration (Fleetguard) 204208	Horizontal,	140	144	~
330		Inverted Inlet,			
331		Outlet			
332	Cummins Filtration (Fleetguard) 204912	Inverted Inlet,	57	144	~
333		Horizontal			
334	Cummins Filtration (Fleetguard) FGD 49030	Multiple	116		See NM 49030, Screen Type
335	Curtis Sparks Racing SAScreen	Multiple	190		See Model PMB # 4PMB
336	Cycle Gear No. 1	Multiple	225	146	Screen; 4-cycle; 35 HP
337	Daedong Industrial R & D Center DD T2178	Horizontal	131		~
338	Daedong Industrial R & D Center DD T4156	Horizontal	131		~
339	Daishin KM50057AA	Multiple	14	146	Screen Type
340	Daishin SA 17108	Multiple	35	146	Screen Type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
341	Daishin SA17108	Multiple	35		Screen Type
342	Daishin Industries 15301531000	Multiple	102		Screen Type
343	Daishin Industries SA17102	Multiple	21	146	Screen Type
344	Davis DL260	Horizontal	140	146	~
345	DG Performance Specialties DG-RCM-2	Multiple	150	147	See Also Y750-02
346	DG Performance Specialties DG-01	Horizontal	417	147	Disc type for 660 cc or smaller engine.
347	DG Performance Specialties DG-03	Multiple	150	147	Screen Type
348	DG Performance Specialties DG-04	Multiple	150	147	Screen Type
349	DG Performance Specialties DG-05	Multiple	150	147	See also DG-03
350	Discojet				See SUPERTRAPP
351	Domestic 1751087232	Inverted	32	149	~
352	Donaldson 27021	Horizontal	192		See also M050238
353	Donaldson 28416	Horizontal	282		~
354	Donaldson 28440	Horizontal	192		See also M050238
355	Donaldson 28610	Horizontal	572		Qualified
357	Donaldson 28619	Horizontal	190		~
358	Donaldson 28878	Horizontal	228		~
359	Donaldson 29059	Horizontal	177		Vertical inlet
360	Donaldson 29203	Vertical inlet	215		~
361	Donaldson 412194	Vertical	192		Horizontal; vertical inlet
362	Donaldson 1723507	Horizontal	215	153	Inverted inlet
363	Donaldson 1723507	Vertical inlet	215	153	~
364	Donaldson 1723507	Horizontal	228	153	See also M050235
365	Donaldson 1922614	Vertical inlet	177	154	~
366	Donaldson 5205007	Horizontal	853		~
367	Donaldson 8602052	Horizontal	416		Retest (Resubmitted)
368	Donaldson 18300152	Horizontal	675		~
369	Donaldson 87106699	Horizontal	651		Vertical inlet
370	Donaldson 87106701	Horizontal	725		Vertical inlet
371	Donaldson 87302273	Horizontal	982	154	~
372	Donaldson 87430157	Horizontal	1454		~
373	Donaldson 87430159	Horizontal	1454		~
374	Donaldson 87443197	Vertical Inlet	1601	154	~
375		and Horizontal			

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
376	Donaldson 707600200	Horizontal	1025		~
377	Donaldson 00-12-300EP	Horizontal	215		Inverted inlet
378	Donaldson 142-8811	Vertical inlet	177		~
379	Donaldson 142-8845	Vertical inlet	177		See also 142-8811
380	Donaldson 166-1242	Horizontal	675		~
381	Donaldson 181590A1	Vertical	699	154	~
382	Donaldson 197297A1	Vertical	532	154	~
383	Donaldson 217-8513 (M070470)	Horizontal	190		~
384	Donaldson 230-3731	Horizontal	177		See also Donaldson 142-8811
385	Donaldson 238H	Horizontal	192		See also M050244
386	Donaldson 252996A1	Horizontal	1111		Outlet Vertical; inlet modified for horizontal mounting.
387	Donaldson 254334A1	Horizontal	557		~
388	Donaldson 280811A1	Horizontal	395	154	~
389	Donaldson 299455A3	Vertical	293		~
390	Donaldson 403438A1	Vertical inlet	177		Change in external mounting bracket. See Donaldson 142-8811
391	Donaldson 403438A1	Horizontal	853		~
392	Donaldson 416717A1	Horizontal	1302		Tested @ 4 psi back pressure
393	Donaldson A184241	Vertical	259	149	~
394	Donaldson BG2001	Horizontal	572		Qualified
395	Donaldson BG2002	Horizontal	165		~
396	Donaldson C5602	Horizontal	190		Brackets are L-shaped. Internal tube is 6.12" long
397	Donaldson C6580	Horizontal	190		Side-in; side-out tubes; & internal tube is 6.12" long
398	Donaldson FCM045123	Horizontal	131	149	~
399	Donaldson FCM045123	Vertical	146	149	~
400	Donaldson FCM045214	Horizontal	131	149	~
401	Donaldson FCM045214	Vertical	146	149	See Donaldson FCM04-5123
402	Donaldson FCM045220	Horizontal	131		See Donaldson FCM04-5123
403	Donaldson FCM045220	Vertical	146		See Donaldson FCM04-5123
404	Donaldson FCM060037	Horizontal	273	149	~
405	Donaldson FCM060037	Vertical	296	149	~
406	Donaldson FCM060038	Vertical	120	149	~
407	Donaldson FCM060038	Horizontal	126	149	~
408	Donaldson FCM065030	Horizontal	427	149	~
409	Donaldson FCM065030	Vertical	436	149	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
410	Donaldson FCM070068	Horizontal	597		~
411	Donaldson FCM070068	Vertical	644		~
412	Donaldson FCM070069	Horizontal	842	150	~
413	Donaldson FCM070069	Vertical	881	150	Flow amended from 1000 to 881 3/67
414	Donaldson FCM070118	Horizontal	597	150	~
415	Donaldson FCM070118	Vertical	644	150	Modified FCM07-0068
416	Donaldson FCM070122	Horizontal	597		Modified FCM07-0068
417	Donaldson FCM070122	Vertical	644		Modified FCM07-0068
418	Donaldson FCM070126	Horizontal	597		Model class FCM07-0068
419	Donaldson FCM070126	Vertical	644		Model class FCM07-0068
420	Donaldson FCM070139	Horizontal	597		Model class FCM07-0068
421	Donaldson FCM070139	Vertical	644		Model class FCM07-0068
422	Donaldson FCM0702491	Vertical	638		Modified FCM07-0068
423	Donaldson FCM070304	Horizontal	731	150	~
424	Donaldson FCM070304	Vertical	821	150	~
425	Donaldson FCM070305	Vertical	1023	150	~
426	Donaldson FCM080024	Horizontal	1177	150	~
427	Donaldson FCM080024	Vertical	1200	150	~
428	Donaldson FCM090091	Horizontal	1630	150	~
429	Donaldson FCM090091	Vertical	1670	150	~
430	Donaldson FCM091009	Horizontal	1630	150	See Donaldson FCMO9-0091
431	Donaldson FCM091009	Vertical	1670	150	See Donaldson FCM09-0091
432	Donaldson FCM100016	Horizontal	2480	150	~
433	Donaldson FCM100016	Vertical	2660	150	~
434	Donaldson FMM032515	Vertical	27	150	~
435	Donaldson FMM050073	Vertical	66	151	~
436	Donaldson FMM050132	Vertical	146	151	~
437	Donaldson FMM060175	Vertical	207	151	~
438	Donaldson FMM065106	Vertical	213	151	~
439	Donaldson FMM090510	Horizontal	510	151	~
440	Donaldson FMM090638	Vertical	221	151	~
441	Donaldson FMM090843	Vertical	1423	152	~
442	Donaldson FMM120303	Horizontal	498	152	See Caterpillar 8N7074-1
443	Donaldson M050235	Horizontal	228		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
444	Donaldson M050238	Vertical	192		Horizontal; vertical inlet
445	Donaldson M050242	Horizontal	192	152	See also M050244
446	Donaldson M050242	Vertical	192	152	See also M050238
447	Donaldson M050243	Horizontal	192		See also M050238
448	Donaldson M050244	Horizontal	228		See also M050235
449	Donaldson M050249	Horizontal	190		~
450	Donaldson M050256	Horizontal	192		See also M050238
451	Donaldson M050257	Horizontal	192		See also M050244
452	Donaldson M050258	Horizontal	192		See also M050238
453	Donaldson M050268	Horizontal	190	152	Tailpipe is longer with 1" and at end is cut square from model
454					M050253
455	Donaldson M050272	Horizontal	192		See also M050238
456	Donaldson M050273	Horizontal	192		See also M050238
457	Donaldson M050276	Horizontal	192	152	See also Donaldson M050272
458	Donaldson M065154	Horizontal	311	152	~
459	Donaldson M070285	Vertical	512	153	~
460	Donaldson M070378	Vertical	293	153	~
461	Donaldson M090955	Horizontal	212		~
462	Donaldson SAU015068	Vertical	120	149	See Donaldson FCM06-0038
463	Donaldson SAU015068	Horizontal	126	149	See Donaldson FCM06-0038
464	Donaldson SAU020170	Horizontal	273	149	See Donaldson FCM06-0037
465	Donaldson SAU020170	Vertical	296	149	See Donaldson FCM06-0037
466	Donaldson SAU025113	Horizontal	427	149	See Donaldson FCM06-5030
467	Donaldson SAU025113	Vertical	436	149	See Donaldson FCM06-5030
468	Donaldson SAU030196	Horizontal	597		See Donaldson FCM07-0068
469	Donaldson SAU030196	Vertical	644		See Donaldson FCM07-0068
470	Donaldson SAU035126	Horizontal	842	150	See Donaldson FCM07-0069
471	Donaldson SAU035126	Vertical	881	150	See Donaldson FCM07-0069
472	Donaldson SAU040369	Horizontal	1177	150	See Donaldson FCM08-0024
473	Donaldson SAU040369	Vertical	1200	150	See Donaldson FCM08-0024
474	Donaldson SAU050366	Horizontal	1630	150	See Donaldson FCM09-0091
475	Donaldson SAU050366	Vertical	1670	150	See Donaldson FCM09-0091
476	Donaldson SAU060467	Horizontal	2480	150	See Donaldson FCM10-0016
470	Donaldson SAU060467	Vertical	2660	150	See Donaldson FCM10-0016

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
471	Donaldson 87358282	Horizontal	1163		~
472	Donaldson 87630499	Horizontal Inlet/	1595		~
473		Vertical Body			
474	Donaldson 87651170	Horizontal Inlet/	1595		See also Donaldson 87630499
475		Body Vertical			
476	Donaldson 87675952	Horizontal Inlet/	340		~
477		Body Vertical			
478	Donaldson 87729009	Horizontal	982		See also Donaldson 87302273
479	Donaldson 172-3507	Horizontal	215	153	Inverted inlet
480	Donaldson 187-8246 (M085403)	Horizontal	238		Vertical inlet
481	Donaldson 192-2614	Vertical inlet	177	153	Change in external mounting bracket. See Donaldson 142-8811
482	Donaldson 202-9716	Horizontal	177		Vertical inlet
483	Donaldson 217-8513 (M070470)	Horizontal	572		Qualified
484	Donaldson 227-9405 (M085422)	Horizontal	238		Vertical inlet; See Donaldson 187-8246 (M085403)
485	Donaldson 373393A1	Horizontal	282		~
486	Donaldson 87651+A28	Horizontal Inlet/	1595		See also Donaldson 87630499
487		Vertical Body			
488	Donaldson CAT1953725	Horizontal	1025		~
489	Donaldson M050253rev4	Horizontal	190		Side-in; side-out tubes; & internal tube is 6.12 long
490	Donaldson M050260	Horizontal	165		~
491	Donaldson M050267rev0	Horizontal	190		Brackets are L-shaped. Internal tube is 6.12 long
492	Dubach Racing DRD 2003	Multiple	298		Screen Type
493	Dvorak-svahove sekacky ILD02FS	Multiple	109	155	Screen type
494	Dynaflex 86-300 AZ	Horizontal	596	155	~
495	Dynaflex Products 86-500 AZ	Horizontal	1149	155	“86-500AZ” must be stamped on muffler body
496	Eagle Carriage & Machine H201	Vertical	97		Requires water to trap and cool exhaust Water level must be above
497					the temperature sensor.
498	Eastern Tools & Equipment TG1200	Multiple	19	154	Screen Type
499	Eastern Tools & Equipment TG3000	Multiple	30	154	Screen Type
500	Echo 11620	Multiple	42	157	Screen; 2-cycle; 4.1 hp or smaller
501	Enduro Engineering EE 2004	Multiple	184		~
502	Engineered Exhaust Systems 16009	Multiple	110	157	Screen; 4-cycle; 25 hp or smaller
503	Engineered Exhaust Systems 53371	Multiple	24		Screen; 2-cycle; 2 hp
504	Engineered Exhaust Systems 56378	Multiple	24		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
505	Engineered Exhaust Systems 92675	Horizontal	41	158	Screen type; 4-cycle; 35 hp or smaller
506	Engineered Exhaust Systems 890911	Multiple	20	157	Screen; 4-cycle; 3 hp or smaller
507	Engineered Exhaust Systems EES311	Multiple	109	157	Screen Type EES311 is stamped on S/A housing
508	Engineered Exhaust Systems 1500A	Multiple	167	157	Also used in Kohler CH980, CV980; DBS M61 (V&H) engines
509	Engineered Exhaust Systems 92675A	Horizontal	41	158	Screen type; 4-cycle; 35 hp or smaller
510	Engineered Exhaust Systems JD 347	Multiple	109	158	Screen Type
511	E-TON B00	Multiple	54		~
512	E-TON JI-EE A29	Multiple	104	159	Screen Type
513	E-TON V30	Multiple	58	159	~
514	Farr 20B	Vertical	435		Not qualified above 435
515	Farr 30B	Vertical	605		~
516	Farr 40B	Vertical	1060		~
517	Farr 50B	Vertical	1730		~
518	Farr Aspirator B166471	Vertical	625	160	~
519	Farr Aspirator B17345	Vertical	560	160	~
520	Farr Aspirator B18854	Vertical	615	160	~
521	Farr Aspirator C15626	Vertical	221		~
522	Farr Aspirator C16085	Vertical	221	160	~
523	Farr Aspirator C22001	Vertical	270	160	~
524	Fleetguard 49031	Multiple	160		Screen Type
525	Fleetguard 202876	Horizontal	106		See Nelson 202876
526	Fleetguard 202939	Horizontal	200		~
527		Inlet & Body			
528	Fleetguard 202947	Vertical Inlet	95		~
529		Horizontal			
530	Fleetguard 202948	Vertical Inlet	140		~
531		Horizontal			
532	Fleetguard 202993	Horizontal	87		
533		Inlet & Body			
534	Fleetguard 203458	Horizontal	195		See Nelson 204188
535	Fleetguard 203473	Horizontal	197		~
536		Inlet & Body			
537	Fleetguard 203722	Horizontal	287		~
538		Inlet & Body			

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
539	Fleetguard 203909	Horizontal	113		See Nelson 201140
540	Fleetguard 203910	Horizontal	113		See Nelson 201140
541	Fleetguard 203913	Horizontal	113		See Nelson 201140
542	Fleetguard 203929	Horizontal,	197		~
543		inlet 22° from			
544		vertical			
545	Fleetguard 203984	Vertical then	46		See Nelson 26503 (Twin Cylinders) & Nelson 201789
546		Inverted Body			
547	Fleetguard 204062	Horizontal	106		See Nelson 202876
548	Fleetguard 204188	Horizontal Inlet	195		~
549		& Body			
550	Fleetguard 204239	Two Horizontal	77		~
551		Bodies Outlet			
552		Inverted			
553	Fleetguard 203983 A	Veritcal Body	46		“See Nelson 26503(Twin Cylinders) 203983A – hex nuts welded
554		then Inverted Body			on the mounting flange and fully welded on the ends of the
555					bodies”
556	Fleetguard 203983 B	Veritcal Body	46		See Nelson 26503 (Twin Cylinders) 203983B – weldnuts on the
557		then Inverted Body			mounting flange and mechanical crimped joints on the ends of the
558					bodies
559	Fleetguard 49030	Multiple	116		See NM 49030, Screen Type
560	Fleetguard 201193	Horizontal	68		See Nelson 201193
561	Fleetguard 202958	Horizontal	113		See Nelson 202958
562	FMFISDE Model 1000	Horizontal	186		~
563	FMFS3000	Multiple	299	161	Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650;
564					Honda XR600; Honda XR400
565	FMFS4000	Multiple	299		Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650;
566					Honda XR600; Honda XR400. See FMF S3000
567	FMFTDS-1	Horizontal	123	161	~
568	FMFTDS-2	Horizontal	123	161	~
569	FMFTru-Tec TDS-1	Horizontal	123	161	~
570	FMFTru-Tec TDS-2	Horizontal	123	161	~
571	FMF Raching S9000	Multiple	188	161	Screen Type
572					

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
573	FMF Racing 29222	Multiple	299		Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650;
574					Honda XR600; Honda XR400
575	FMF Racing 29304	Horizontal	95		~
576	FMF Racing CHM0302	Horizontal	124		~
577	FMF Racing DG01	Multiple	299		Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650;
578					Honda XR600; Honda XR400. See FMF S3000
579	FMF Racing S-2000	Multiple	178	161	~
580	FMF Racing S4000	Multiple	28		Screen type; marked as NM 293852
581	FMF Racing TC4-5000	Horizontal	124		~
582	FMF Racing TC4-C400	Horizontal	95	161	~
583	FMF Racing TC4-C400	Multiple	167	161	~
584	FMF Racing TDS-3	Horizontal	123	161	New cleanout and endcap
585	Forester 12x330	Vertical	1350	162	4 inch inlet
586	Four Stroke Works	FourStrokeWorks	Multiple		516 Screen type spark arrester; see Stroker SX1
587	Fuji DY41	Multiple	63	162	Screen; 4-cycle; 8.5 hp or smaller
588	Fuji EG123	Multiple	28		Screen Type
589	Fuji EG124	Multiple	21		Screen type
590	Fuji EG125	Multiple	35		Screen type
591	Fuji EH09	Multiple	13	163	Screen Type
592	Fuji EH17	Multiple	29		Screen - 4 Cycle - 6 HP
593	Fuji EH25	Horizontal	41		Screen - 4-cycle - 8.5 hp or smaller
594	Fuji EH25	Multiple	41		Screen - 4-cycle - 8.5 hp or smaller
595	Fuji EH34	Horizontal	51	162	Screen - 4-cycle - 11.0 hp or smaller
596	Fuji EH41	Multiple	61	163	Screen Type
597	Fuji EH43	Multiple	1057	163	Screen - 4-cycle - 13 hp or smaller
598	Fuji EX13 (small)	Multiple	21	163	Screen type
599	Fuji EX13 (large)	Multiple	32	164	Screen Type
600	Fuji EX17 (small)	Multiple	28	163	Screen Type
601	Fuji EX21 (large)	Multiple	35	164	Screen type
602	Fuji EX21 (small)	Multiple	32	163	Screen Type
603	Fuji EX27	Multiple	40	164	Screen Type
604	Fuji EY20	Horizontal	29	162	Screen - 4-cycle - 6.0 hp or smaller
605	Fuji EY20	Multiple	30	162	Screen - 4-cycle - 5 hp or smaller
606	Fuji EY20-STD	Multiple	31	162	Screen - 4-cycle - 5 hp or smaller

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
607	Fuji EY20V	Multiple	27	163	Screen - 4-cycle - 3.5 hp or smaller
608	Fuji EY28	Multiple	41		Screen - 4-cycle - 5.5 hp or smaller
609	Fuji EY35	Horizontal	58	163	Screen - 4-cycle - 10 hp or smaller
610	Fuji EY40W	Horizontal	58	163	Screen - 4-cycle - 10 hp or smaller
611	Fuji RGO-051	Multiple	12	164	Screen - 4-cycle - 1.2 hp or smaller
612	Fuji RGO-120	Horizontal	22	164	Screen - 4-cycle - 3.3 hp or smaller
613	Fuji Heavy Industries EX17 (large)	Multiple	40	164	Screen Type - 265 cc - 7.7 HP
614	Galaxy Motors 18410212	Multiple	108	164	Screen Type
615	Generac 30699	Inverted	47	188/287	~
616	Generac 31145	Inverted	24	287	~
617	Generac 33232	Horizontal	43	288	See Nelson T-11606
618	Generac 37924	Horizontal	50	291	NMC T-13304 approved as NMC T-9458
619	Generac 37936	Inverted	21	290	~
620	Generac 38560	Inverted	33	291	~
621	Generac 39081	Inverted	18	292	~
622	Generac 39247	Horizontal	50	284	NMC T-13304 approved as NMC T-9458
623	Generac 43951	Inverted	68	298	~
624	Generac 43952	Horizontal	74	298	~
625	Generac 43953	Inverted	25	298	~
626	Generac 72082	Multiple	22	165	Screen; 4-cycle; 3 hp or smaller
627	Generac 72083	Multiple	32	165	Screen; 4-cycle; 5 hp or smaller
628	Generac 72084	Multiple	48		Screen; 4-cycle; 8 hp or smaller
629	Generac 72279	Multiple	48	166	Screen; 4-cycle; 8 hp or smaller
630	Generac 72281	Multiple	22	165	Screen; 4-cycle; 3 hp or smaller
631	Generac 75788	Multiple	22	166	Screen; 4-cycle; 3 hp or smaller
632	Generac 83083	Multiple	30	166	Screen; 4-cycle; 6 hp or smaller
633	Generac 83083	Multiple	54	166	Screen; 4-cycle; 13 hp or smaller
634	Generac 89680	Multiple	36	166	Screen; 4-cycle; 7.8 hp or smaller
635	Generac A7433	Multiple	63	165	~
636	Generac C4289	Multiple	62	165	See C4423
637	Generac C4423	Multiple	62	165	Engine ID# GH-410
638	Generac C5602	Horizontal	30	238	See also Nelson 17112
639	Generac EG126	Horizontal	30	238	See also Nelson 17112
640					

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
641	Generac EX17	Multiple	33		C6580 embossed on heat shield; 83083 embossed on screen housing
642					
643	Generac EX27	Multiple	33		C6580 embossed on heat shield; 83083 embossed on screen housing
644					
645	Generac EX27	Multiple	166		Screen type; 992 cc; 30 HP
646	Generac OD5133	Multiple	166		Screen type; 992 cc; 30 HP
647	Generac C6580	Multiple	33		C6580 embossed on heat shield; 83083 embossed on screen housing
648					
649	Generac 83083	Multiple	62		Used on the 530cc V-twin engine
650	Generac 89680	Multiple	80		Screen Type
651	Generac AM-Pride 18331	Multiple	69		Screen Type
652	Generac OH8811	Multiple	15	166	Screen Type
653	Generac Portable Products HC18321145	Horizontal	12		For 4 stroke 80 CC Mitsubishi engine
654	Generac Portable Products SA-001	Horizontal	12		For 4 stroke 80 CC Mitsubishi engine
655	Generac Power SF0918	Multiple	89	166	Screen Type
656	Generac Power (Hangzhou Chaoyuan) SF0918	Multiple	89		Screen Type
657	Generac Power Systems HM HN8 A	Multiple	62		Engine ID # GH-410
658	Generac Power Systems HS1251	Multiple	62		See C4423
659	Gibson RH012	Horizontal	251	166	Screen Type
660	Gill 3C	Vertical	85	167	~
661	Gill 3CIP	Horizontal	85	167	~
662	Gill 3CModbyFS	Vertical	103	167	~
663	Gill 4CIP	Horizontal	79	167	~
664	Gill 5C20A	Inverted	185	167	~
665	Gill 5C20A	Vertical &	240	167	~
666		Horizontal		167	
667	Gill 5C20B	Vertical &	257	167	~
668		Horizontal		167	
669	Gill 5C23B	Vertical	255	167	~
670	Gill 5C23B	Horizontal	355	167	~
671	Gill 5C26B	Vertical	315	168	Discontinued
672	Gill 5CV20	Vertical	268	168	~
673	Gill 5CV23	Vertical	300	168	~
674	Gill 5CV24	Vertical	300	168	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
675	Gill 6C2030	Vertical &	527	168	12 inch inlet
676		Horizontal			
677	Gill 6C24	Vertical	540	168	Discontinued; 9 inch inlet
678	Gill 6C24	Horizontal	601	168	12 inch inlet
679	Gill 6C24	Vertical	615	168	12 inch inlet
680	Gill 6C24	Inverted	680	168	12 inch inlet
681	Gill 6C26	Horizontal	628		~
682	Gill 6C26	Vertical	655		~
683	Gill 6C30	Vertical &	625	168	~
684		Horizontal			
685	Gill 6C30	Inverted	665	168	~
686	Gill 6C34	Vertical	660	168	~
687	Gill 6C34	Horizontal	685	168	~
688	Gill 6C34	Inverted	808	168	~
689	Gill 6CV24	Vertical	720		~
690	Gill 6CV26	Vertical	650	169	~
691	Gill 6CV30	Vertical	600	169	~
692	Gill 6CV34	Vertical	625	169	~
693	Gill 8C40	Horizontal &	1170	169	~
694		Inverted			
695	Gill 8CV34	Vertical	800	169	~
696	Gill 8CV40	Vertical	1285	169	~
697	Gill 8CV50	Vertical	1405	169	~
698	Gill 8CV60	Vertical	1466	169	~
699	Gill GSF200	Vertical	355	169	~
700	Gill GSF300	Vertical	675	169	Discontinued
701	Gill GSF400	Vertical	1050	170	Discontinued
702	Gill GSH200	Horizontal	340	170	~
703	Gill GSH300	Horizontal	730	170	Discontinued
704	Gill GSO300	Vertical	1030	170	Discontinued
705	Gilson 36742	Multiple	81	171	Screen; 4-cycle; 16 hp or smaller
706	Gorman-Rupp 46211018	Multiple	84	171	Screen; 2-cycle; 10 hp or smaller
707	Hale 108023002	Multiple	80	171	Screen; 4-cycle; 16 hp or smaller
708					

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
709	Hale 108023006	Multiple	80	171	Screen; 4-cycle; 16 hp or smaller. Is a modified 108-0230-02 for use on one cylinder of an engine. Elbow added/inlet. May be used on a round or oval stack
710					
711	Hapco 12AC12LP	Vertical	7000	172	
712	Hapco 1AA	Vertical	96	172	
713	Hapco 1AA SAM 13-18	Vertical	94	172	
714	Hapco 1AA XH	Horizontal	76	172	~
715	Hapco 2AA	Vertical	167	172	
716	Hapco 2AA H	Horizontal	112	172	
717	Hapco 2AA SAM 24-112	Vertical	110	172	
718	Hapco 3AA	Vertical	205	173	
719	Hapco 3AA SAM 36-2	Vertical	174	173	~ Not qualified above 258 Discontinued Discontinued ~
720	Hapco 3AA XH	Horizontal	258	173	
721	Hapco 3H	Horizontal	200	173	
722	Hapco 4AA	Vertical	395	173	
723	Hapco 4AA H	Horizontal	417	173	
724	Hapco 4AA SAM 48-3	Vertical	317	173	~ ~ ~ ~ ~
725	Hapco 4AA Step Design Top	Vertical	485		
726	Hapco 5AA	Vertical	705	173	
727	Hapco 5AA Altered 5A	Vertical	680	173	
728	Hapco 5AA H	Horizontal	620	174	
729	Hapco 5AA H SAM 59-3	Horizontal	527	174	~ ~ ~ Discontinued 4 inch outlet
730	Hapco 5AA SAM 59-3	Vertical	466	174	
731	Hapco 5AA Step Design Top	Vertical	660		
732	Hapco 6A	Vertical	900	174	
733	Hapco 6AA	Vertical	717	174	
734	Hapco 6AA SAM 69-4	Vertical	678	174	~ ~ 5 inch outlet Discontinued Discontinued
735	Hapco 6AAH	Horizontal	848	174	
736	Hapco 6AB	Vertical	1168	174	
737	Hapco 6H	Vertical	900	174	
738	Hapco 7A	Vertical	1410	175	
739	Hapco 7AB	Vertical	1555	175	~ Modified 7AB ~ ~
740	Hapco 7AC	Vertical	1210	175	
741	Hapco 7AC1	Vertical	1801	175	
742	Hapco 7AC1	Horizontal	1944	175	

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
743	Hapco 7H	Vertical	1410	175	Discontinued
744	Hapco 8AB	Vertical	2930	175	~
745	Hapco SAM 712	Vertical	1555	175	7AB w/muffler section added
746	Hapco SASR 36-H 3AAXH	Horizontal	172	175	3AAXH w/muffler section added
747	Hapco SASR 48	Vertical	200	176	~
748	Hapco SASR 48-H	Horizontal	252	176	~
749	Hapco SASR 559	Vertical	880	176	~
750	Hapco SASR 59	Vertical	393	176	Inlet may be offset 2 inches
751	Hapco SASR 69-H	Horizontal	454	176	6AAH w/muffler section added
752	Harley-Davidson 6523475P	Horizontal	24	177	~
753	Harley-Davidson 6524175P	Horizontal	24	177	~
754	Harley-Davidson 6546375P	Horizontal	24	177	~
755	Harley-Davidson-Krizman HD1	Horizontal	24		~
756	Harley-Davidson-Krizman HD2	Horizontal	24		~
757	Harley-Davidson-Krizman HD3	Horizontal	24		~
758	Harley-Davidson-Krizman KS400	Horizontal	49		~
759	Her Chee 18300-152	Multiple	29		Used on Bombardier
760	Her Chee 18300-169	Multiple	77	177	Screen Type
761	Her Chee 18300-197	Multiple	47	177	Screen Type
762	Her Chee HS2502	Multiple	29		Used on Bombardier
763	Her Chee HS4002	Multiple	28		Screen type
764	Her Chee 18321-145	Multiple	28		Screen type
765	HMF Engineering HMF1	Multiple	263		Screen type; for 700 cc or smaller
766	Hodaka Ace 90D	Horizontal	26	178	Not qualified above 26
767	Hodaka-Krizman Ace 100	Horizontal	24	178	~
768	Homelite Consumer Products 38984	Multiple	59		See CP 38984
769	Homelite Consumer Products 63922	Multiple	59		See CP 38984
770	Honda 72	Horizontal	25	178	Not qualified above 25
771	Honda 113	Horizontal	6	178	~
772	Honda 175	Horizontal	18	179	~
773	Honda 200	Horizontal	14	179	~
774	Honda 405	Horizontal	21	179	~
775	Honda 408	Horizontal	32	179	~
776	Honda 503	Horizontal	47	179	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
777	Honda 1063	Horizontal	12	179	~
778	Honda S-426	Multiple	117		Screen Type
779	Honda 405A	Horizontal	21		~
780	Honda 5H	Horizontal	121		Flowrate @ 2 psi back pressure
781	Honda E300	Horizontal	10	180	Not qualified above 10
782	Honda E400	Horizontal	25	180	~
783	Honda E600	Horizontal	14	180	~
784	Honda HM GCF A1	Horizontal	25	180	Screen; 4-cycle; 4.72 hp
785	Honda HM HLI A1	Horizontal	156		Screen Type
786	Honda HM HN1 A1	Multiple	117	180	~
787	Honda HM HN2 A1	Multiple	136	180	Screen type
788	Honda HM HN6 A2	Multiple	67	180	Screen Type
789	Honda HM HN8 A2	Multiple	170	181	Screen Type
790	Honda HM HP1 A1	Multiple	141	181	Screen Type
791	Honda HM HP1 A2	Multiple	141	181	Screen Type
792	Honda HM HP2 A1	Horizontal	77	182	~
793	Honda HM HPO A1	Multiple	119		~
794	Honda HM KCE A1	Horizontal	74	182	Screen type; 4-cycle; 22.4 hp or smaller
795	Honda HM KCY A1	Multiple	116	182	~
796	Honda HM KCY A2	Multiple	125	182	Screen; 4 Cycle; 34.6 hp
797	Honda HM KFB A1	Horizontal	70	182	Screen Type
798	Honda HM KN4 A1	Multiple	39		Used on XR100R & XR80R
799	Honda HM KSC A1	Multiple	94		Screen type
800	Honda HM KV6 A1	Horizontal	51		Modified Honda Krizman 508
801	Honda HM MEY A1	Multiple	141		~
802	Honda HM MY6 A1	Horizontal	55		~
803	Honda HP 4	Horizontal	121		Flowrate @ 2 psi back pressure
804	Honda HS-400-3	Multiple	68		Screen type; used on TRX250EX
805	Honda HS-400-3	Multiple	163		Screen type; 36 HP or smaller engine
806	Honda HS-500-2	Multiple	75		Screen type; 19 HP or smaller engine
807	Honda KPS A1	Multiple	75		Screen type; 19 HP or smaller engine; See also Y784-07
808	Honda NLZ	Multiple	160		Screen Type
809	Honda S-350	Multiple	22	184	Screen; 4-cycle; 3.5 hp or smaller
810	Honda S-351	Multiple	22	184	Screen; 4-cycle; 3.2 hp or smaller

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
811	Honda S-352	Multiple	62	184	Screen; 4-cycle; 10 hp or smaller
812	Honda S-353	Multiple	65	184	Screen; 4-cycle; 11 hp or smaller
813	Honda S-354	Multiple	30	184	Screen; 4-cycle; 5.5 hp or smaller
814	Honda S-355	Multiple	9	185	Screen; 4-cycle; 1.3 hp or smaller
815	Honda S-356	Multiple	30	185	Screen; 4-cycle; 5 hp or smaller
816	Honda S-356A	Multiple	30	185	Screen; 4-cycle; 5 hp or smaller
817	Honda S-357	Multiple	62	185	Screen; 4-cycle; 11 hp or smaller
818	Honda S-358	Multiple	15	186	Screen; 4-cycle; 2.2 hp or smaller
819	Honda S-359	Multiple	25	187	Screen; 4-cycle; 5.5 hp or smaller
820	Honda S-359	Multiple	30	187	Screen; 4-cycle; 10 hp or smaller
821	Honda S-360	Multiple	62	187	Screen; 4-cycle; 12 hp or smaller
822	Honda S-361	Multiple	54	187	Screen; 4-cycle; 14 hp or smaller
823	Honda S-361	Multiple	96	187	Screen; 4-cycle; 18 hp or smaller
824	Honda S-361A	Multiple	54	187	Screen; 4-cycle; 13 hp or smaller
825	Honda S-361A	Multiple	59	187	Screen; 4 cycle; 13 hp (new Muffler)
826	Honda S-362	Multiple	25	187	Screen; 4-cycle; 5.5 hp or smaller
827	Honda S-363	Multiple	25	188	Screen; 4-cycle; 5.5 hp or smaller
828	Honda S-364	Multiple	41	188	Screen; 4-cycle; 9 hp or smaller
829	Honda S-365	Multiple	51	188	Screen; 4-cycle; 11 hp or smaller
830	Honda S-365	Multiple	59	188	Screen; 4-cycle; 13 hp (increased hp)
831	Honda S-365A	Multiple	59	188	Screen; 4-cycle; 13 hp or smaller
832	Honda S-366	Multiple	51	189	Screen; 4-cycle; 11 hp or smaller
833	Honda S-366A	Multiple	59	189	Screen; 4-cycle; 13 hp or smaller
834	Honda S-366B	Multiple	110	189	Screen in each exhaust port; 4cly; 22 hp
835	Honda S-367	Multiple	13	189	Screen; 2-cycle; 0.9 hp or smaller
836	Honda S-368	Multiple	62	189	Screen; 4-cycle; 9 hp or smaller
837	Honda S-415	Multiple	30	189	Screen type
838	Honda S-416	Multiple	9		~
839	Honda S-417	Multiple	24	190	Screen; 4-cycle; 4.1 hp
840	Honda S-418	Multiple	15	190	~
841	Honda S-420	Multiple	7	190	Screen type
842	Honda S-421				
843	Honda S-422	Multiple	66	191	Screen Type
844	Honda S-423	Multiple	101	191	Screen Type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
845	Honda S-424	Multiple	104	191	Screen Type
846	Honda S-425	Multiple	25		Engine of application-GX160
847	Honda HM HN6 A1	Multiple	68		Screen type; used on TRX250EX
848	Honda HM HN8 A1	Multiple	163		Screen type; 36 HP or smaller engine
849	Honda HM HP0 A1	Multiple	119	181	~
850	Honda HM MBN A1	Multiple	177		Screen type; Honda XR650R
851	Honda HM HP6A1	Multiple	172		Screen Type
852	Honda Fleetguard 201969	Horizontal	86		See Honda Nelson 201969
853	Honda Nelson GP 201969	Horizontal	86		See Honda Fleetguard 201969
854	Honda Nelson GP 202702	Horizontal	75		See Honda Nelson 202702
855	Honda Nelson GP 23066	Horizontal	64		See Honda-Nelson 23066
856	Honda Nelson GP 23930	Horizontal	65		See Honda-Nelson 23930
857	Honda Nelson GP 24075	Horizontal	52		See Honda-Nelson 24075
858	Honda Nelson GP 26296	Horizontal	75	265	See Honda-Nelson 26296
859	Honda Nelson GP 29625	Horizontal	59		See Honda-Nelson 29625
860	Honda Nelson GP 29824	Multiple	188		See Honda-Nelson 29824
861	Honda Nelson GP HS-500-2	Horizontal	75		See Honda-Nelson HS-500-2
862	Honda Yutaka HM HM8 B40	Horizontal	75	183	See Honda-Nelson 202702
863	Honda Yutaka HM HN6 A2	Multiple	67	180	Screen Type
864	Honda Yutaka HM HP0 A1	Multiple	119	181	Screen Type
865	Honda Yutaka HM HP5 600	Horizontal	86	182	See Honda-Nelson 201969
866	Honda-Krizman 103	Horizontal	18	192	~
867	Honda-Krizman 104	Horizontal	27	192	Not qualified above 27
868	Honda-Krizman 105	Horizontal	27	192	~
869	Honda-Krizman 106	Horizontal	12	192	~
870	Honda-Krizman 107	Horizontal	27	192	~
871	Honda-Krizman 108	Horizontal	16	192	~
872	Honda-Krizman 109	Horizontal	42	193	~
873	Honda-Krizman 111	Horizontal	27	193	~
874	Honda-Krizman 112	Horizontal	18	193	~
875	Honda-Krizman 115	Horizontal	19	193	~
876	Honda-Krizman 116	Horizontal	15	193	~
877	Honda-Krizman 203	Horizontal	27	194	~
878	Honda-Krizman 204	Horizontal	27	194	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
879	Honda-Krizman 205	Horizontal	27	194	~
880	Honda-Krizman 206	Horizontal	27	194	~
881	Honda-Krizman 207	Horizontal	20	194	~
882	Honda-Krizman 209	Horizontal	27	194	~
883	Honda-Krizman 210	Horizontal	35	195	~
884	Honda-Krizman 300	Horizontal	27	195	~
885	Honda-Krizman 301	Horizontal	22	195	~
886	Honda-Krizman 302	Horizontal	27		~
887	Honda-Krizman 303	Horizontal	31	195	~
888	Honda-Krizman 304	Horizontal	46	195	~
889	Honda-Krizman 305	Horizontal	33	196	~
890	Honda-Krizman 306	Horizontal	38	196	~
891	Honda-Krizman 400	Horizontal	42	196	~
892	Honda-Krizman 401	Horizontal	42	196	~
893	Honda-Krizman 402	Horizontal	33	196	~
894	Honda-Krizman 404	Horizontal	42	196	~
895	Honda-Krizman 406	Horizontal	48	197	~
896	Honda-Krizman 407	Horizontal	80	197	~
897	Honda-Krizman 409	Horizontal	69	197	~
898	Honda-Krizman 410	Horizontal	70	197	~
899	Honda-Krizman 411	Horizontal	86	197	~
900	Honda-Krizman 412	Horizontal	87	198	~
901	Honda-Krizman 413	Horizontal	66	198	~
902	Honda-Krizman 500	Horizontal	42	198	With or without heat shield
903	Honda-Krizman 501	Horizontal	78	198	~
904	Honda-Krizman 502	Horizontal	36	198	~
905	Honda-Krizman 504	Horizontal	85	198	~
906	Honda-Krizman 505	Horizontal	46	199	~
907	Honda-Krizman 506	Horizontal	111	199	~
908	Honda-Krizman 507	Horizontal	58	199	~
909	Honda-Krizman 508	Horizontal	60	199	With diffuser
910	Honda-Krizman 508	Horizontal	79	199	508 installed in a new muffler
911	Honda-Krizman 508	Horizontal	97	199	With curved outlet
912	Honda-Krizman 508	Horizontal	97	199	508 in a muffler shell

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
913	Honda-Krizman 508	Horizontal	102	199	~
914	Honda-Krizman 508	Horizontal	153	199	Diffuser fixing screws must be in place
915	Honda-Krizman 509	Horizontal	53	199	~
916	Honda-Krizman 600	Horizontal	26	199	~
917	Honda-Krizman 601	Horizontal	48	199	~
918	Honda-Krizman 700	Horizontal	52	199	~
919	Honda-Krizman 701	Horizontal	25	200	With diffuser
920	Honda-Krizman 701	Horizontal	281	200	Diffuser fixing screws must be in place
921	Honda-Krizman 409A	Horizontal	71	200	Modified 409
922	Honda-Nelson 202702	Horizontal	75	200	See Honda-Nelson 26296
923	Honda-Nelson 23066	Horizontal	64	265	~
924	Honda-Nelson 23930	Horizontal	65		Modified Honda Nelson 23066
925	Honda-Nelson 24075	Horizontal	52		~
926	Honda-Nelson 26296	Horizontal	75		~
927	Honda-Nelson 29625	Horizontal	59		~
928	Honda-Nelson 29824	Multiple	188		~
929	Honda-Nelson HS-500-2	Horizontal	75		See Honda-Nelson 26296
930	Honda-Nelson 29203	Horizontal	75		See Honda-Nelson 26296
931	Honda-Nelson 201969	Horizontal	86		~
932	Honda-Yukata HM HP5 600	Multiple	86		See Honda-Nelson 201969
933	Honda-Yutaka HM HN8 B40	Multiple	75	201	See Honda-Nelson 202702
934	Hong Minh 18306-DGF-000	Multiple	34		Screen Type
935	Hooker 26281	Multiple	230		Screen; 2-cycle; 44 hp or smaller
936	Hooker 26282	Multiple	192		Screen; 2-cycle; 30 hp or smaller
937	Hooker 26283	Multiple	114		Screen; 2-cycle; 15.6 hp or smaller
938	Horstman-Krizman HE	Horizontal	27	201	Types A through E provide various inlet dimensions and shapes.
939	Husqvarna F15-1041	Horizontal	94	201	~
940	Husqvarna-Krizman KS 500D	Horizontal	91	201	~
941	Hutchins-Freflo No. 1	Horizontal	135	202	~
942	IHC 1275835C1	Vertical	405	248	See Nelson 19853
943	IHC 561217C92	Vertical	485	202/292	~
944	IHC 563507C91	Vertical	380	202/293	~
945	IHC 677817R91	Vertical	176	202/286	~
946	IHC 70769C1	Vertical	305	202/296	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
947	IHC 829176C91	Inverted	178		~
948	IHC 829640C91	Inverted	213	202/295	~
949	International Merchandising Service IMS GG	Horizontal	26	202	
950	J & R Answer (see “Answer (J&R)”)	~	~		~
951	J & R Krizman KS 350	Horizontal	58	203	~
952	J & R Krizman KS 500 A	Horizontal	104	203	~
953	J & R Krizman KS 500 C	Horizontal	86	203	~
954	J & R Krizman KS 650	Horizontal	186	203	~
955	J & R Krizman KS 650 A	Horizontal	63	204	~
956	J & R Krizman KS 650 C	Horizontal	63	204	KS-650A in an oval muffler
957	J & R Krizman KS 650 V	Vertical	180	204	~
958	J & R Krizman KS 650-0	Horizontal	74	202	~
959	J & R Krizman KS 800	Horizontal	122	204	~
960	J.G. Minter & Sons M2000	Multiple	44	204	Screen Type
961	Jama Engineering 32.2726	Multiple	213	203	See Jama 32.2725. Special tools required for screen removal, see drawing
962	John Deere AH75693	Horizontal	213	205/285	~
963	John Deere AH75694	Horizontal	348	205/285	~
964	John Deere AH75695	Horizontal	394	205/285	~
965	John Deere AH80388	Vertical	382	205/288	~
966	John Deere AH84965	Horizontal	505	205/290	~
967	John Deere AH87289	Horizontal	324	205/289	~
968	John Deere AT32701	Vertical	148		~
969	John Deere AT33686	Horizontal	148	205/284	~
970	Joker Machine JM1121	Multiple	151	205	~
971	K.C.F.D. 1	Horizontal	65		See CEDCO Primer-Arrester No. 1
972	Kawasaki 3951	Multiple	20	206	Screen; 4-cycle; 3.2 hp or smaller
973	Kawasaki 3951	Horizontal	32	206	~
974	Kawasaki 3952	Horizontal	32	206	Screen; 4-cycle; 7.5 hp or smaller
975	Kawasaki 3964	Multiple	46	206	Screen; 4-cycle; 7.5 hp or smaller
976	Kawasaki 3965	Multiple	46	206	~
977	Kawasaki 3966	Multiple	46	206	~
978	Kawasaki KHI AF400-1	Horizontal	58		See Kawasaki KHI AF400
979	Kawasaki KHI AF400-255-1	Horizontal	58	208	Kawasaki KHI AF400-255
980	Kawasaki KL650E	Horizontal	65		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
981	Kawasaki 18077-2110	Multiple	22	205	~
982	Kawasaki 18077-7004	Multiple	25	205	Screen Type
983	Kawasaki 3952A	Multiple	20	206	Screen; 4-cycle; 7.5 hp or smaller
984	Kawasaki AF400-255	Horizontal	58		See also Kawasaki KHI AF400
985	Kawasaki DX 200	Horizontal	32	206	~
986	Kawasaki DX 250D	Horizontal	79	206	Angled muffler; arrester horizontal
987	Kawasaki FA 130D	Multiple	20	207	Screen; 4-cycle; 2.6 hp or smaller
988	Kawasaki FA 210D	Multiple	30	207	Screen; 4-cycle; 4.5 hp or smaller
989	Kawasaki FA 76D	Multiple	12	206	Screen; 4-cycle; 1.4 hp or smaller
990	Kawasaki FE 170D	Multiple	29		Screen type
991	Kawasaki FE 290D	Multiple	43	207	Screen; 4-cycle; 9 hp or smaller
992	Kawasaki FG 200D	Multiple	49	207	Screen; 4-cycle; 6.8 hp or smaller
993	Kawasaki FG 300D	Multiple	49	207	Screen; 4-cycle; 6.8 hp or smaller
994	Kawasaki JPS1	Multiple	33		For the KLX-110 motorcycle
995	Kawasaki K LX250D	Horizontal	17		~
996	Kawasaki KD 080N2	Horizontal	21	207	~
997	Kawasaki KF 150	Multiple	88	208	Screen; 4-cycle; 14 hp or smaller
998	Kawasaki KG 4000	Multiple	51	208	Screen; 4-cycle; 8.2 hp or smaller
999	Kawasaki KG 5000	Multiple	60	208	Screen; 4-cycle; 10 hp or smaller
1000	Kawasaki KG 550	Horizontal	22	208	~
1001	Kawasaki KHI AF400	Horizontal	58		~
1002	Kawasaki KHI DX200H	Horizontal	62	208	~
1003	Kawasaki KHI KL250	Horizontal	42	209	~
1004	Kawasaki KHI LF400	Horizontal	38	209	Removable outlet tube; 2 cleanout plugs
1005	Kawasaki KHI LX110	Multiple	33	209	For the KLX-110 motorcycle
1006	Kawasaki KHI LX140	Horizontal	48	210	Screen Type
1007	Kawasaki KHI LX250H	Horizontal	39	210	~
1008	Kawasaki KHI LX650	Horizontal	19	210	~
1009	Kawasaki KHI LX650C	Horizontal	62	210	~
1010	Kawasaki KHI RF750	Multiple	251		Screen Type
1011	Kawasaki KHI VF750	Horizontal	90	211	~
1012	Kawasaki KHI-LF250	Horizontal	66	209	~
1013	Kawasaki KHI-LX110	Multiple	35	209	~
1014	Kawasaki KHI-VF360	Horizontal	69	211	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1015	Kawasaki KL 250G	10° Horizontal	46	211	~
1016	Kawasaki KL650E	Horizontal	65	209	~
1017	Kawasaki LX110	Multiple	33		Screen Type
1018	Kawasaki LX450A	Multiple	141	210	Screen Type
1019	Kawasaki SF450	Multiple	160		Screen Type
1020	Kawasaki VF360	Horizontal	69		~
1021	Kawasaki X171	Multiple	12	211	Screen; 4-cycle; 1.7 hp or smaller
1022	Kawasaki X171A	Multiple	12	212	Screen; 4-cycle; 1.7 hp or smaller
1023	Kawasaki KHI LX110	Multiple	33		Screen Type
1024	Kawasaki KHI SF450	Multiple	160	210	Screen Type
1025	Kawasaki KHI RT750	Multiple	219	211	Screen type
1026	Kawasaki Motors Corp KHI-LF250	Horizontal	71		~
1027	Kawasaki-Krizman DX 200	Horizontal	78		~
1028	Kawasaki-Krizman DX 250	Horizontal	73	212	~
1029	Kawasaki-Krizman KD 400	Horizontal	42	212	~
1030	Kawasaki-Krizman KG 250	Horizontal	18	213	~
1031	Kawasaki-Krizman KG 250A	Horizontal	23	213	~
1032	Kawasaki-Krizman KG 250C	Horizontal	91	213	~
1033	Kawasaki-Krizman KHI KE250B	Horizontal	45	213	~
1034	Kawasaki-Krizman KHI KL6	Horizontal	70		~
1035	Kawasaki-Krizman KS250	Horizontal	27	213	See Suzuki-Krizman KS-250
1036	Kawasaki-Krizman KS-350-KHI-DX080A	Horizontal	46	213	~
1037	Kawasaki-Krizman KS-350-KHI-DX080C	Horizontal	34	214	~
1038	Kawasaki-Krizman KS-350-KHI-DX080C1	Horizontal	23	214	~
1039	Kawasaki-Krizman KS-500-KDX175	Horizontal	49	214	~
1040	Kawasaki-Krizman KS-500-KHI-DX200A	Horizontal	64	214	~
1041	Kawasaki-Krizman KS-500-KHI-DX200C	Horizontal	61	214	~
1042	Kawasaki-Krizman KS-500-KHI-KL600	Horizontal	28	214	~
1043	Kawasaki-Krizman KS-500-KHI-KL65	Horizontal	60	214	~
1044	Kawasaki-Krizman KS-500-KHI-KSF250	Horizontal	38	214	~
1045	Kawasaki-Krizman KS-500-KHI-LF110	Horizontal	27	215	~
1045	Kawasaki-Krizman KS-500-KHI-LF220	Horizontal	44	215	~
1047	Kawasaki-Krizman KS-500-KHI-LF300C	Horizontal	44	215	~
1048	Kawasaki-Krizman KS-500-KHI-LT110A	Horizontal	27	215	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1049	Kawasaki-Krizman KS-500-KHI-LT160	Horizontal	27	215	See KHI LT110A
1050	Kawasaki-Krizman KS-500-KHI-LT200A	Horizontal	48	215	See DX200A
1051	Kawasaki-Krizman KS-500-KHI-LT250A	Horizontal	50	215	~
1052	Kawasaki-Krizman KS-500-KHI-XT250	Horizontal	70	215	~
1053	Kawasaki-Krizman KS-500-KHI-XT250B2	Horizontal	65	215	~
1054	Kawasaki-Krizman YS 80	Horizontal	24	215	~
1055	Keen Perceptions Industries AA06-800-00 YXL	Multiple	50		Uses a double screen
1056	Keen Perceptions Industries JPS2	Multiple	50		Uses a double screen
1057	Kerker-Krizman KS650K	Horizontal	187	216	~
1058	KHI-LF 250	Horizontal	63	209	~
1059	Kittell 1010HT	Vertical	500	218	~
1060	Kittell 3510SA114	Horizontal	60	218	~
1061	Kittell S112A	Vertical	146	216	~
1062	Kittell S212A	Vertical	370	216	~
1063	Kittell S2A	Vertical	150	216	~
1064	Kittell S3	Vertical	415	216	~
1065	Kittell S3A	Vertical	468	217	~
1066	Kittell S4	Vertical	935	217	~
1067	Kittell S4A	Vertical	1008	217	~
1068	Kittell S5	Vertical	1100	217	~
1069	Kittell S5A	Vertical	1150	217	Not qualified above 1;150
1070	Kittell ST112	Vertical	136	217	~
1071	Kittell ST2	Vertical	211	217	~
1072	Kittell ST212	Vertical	406	217	~
1073	Kittell ST3	Vertical	497	217	~
1074	Kittell ST312	Vertical	616	217	~
1075	Kittell ST4	Vertical	960	218	~
1076	Kittell ST5	Vertical	1312	218	~
1077	Kohler 228173	Inverted	27		See Nelson 20788
1078	Kohler 228218	Multiple	30	218	Screen; 4-cycle; 4 hp or smaller
1079	Kohler 239724	Horizontal	43	218	~
1080	Kohler 278189	Horizontal	40	219	Modified Kohler 278223
1081	Kohler 278218	Horizontal	40	219	~
1082	Kohler 278223	Inverted	40	219	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1083	Kohler 278224	Inverted	44	219	~
1084	Kohler 278232	Horizontal	40	219	Modified Kohler 278223
1085	Kohler 278402	Horizontal	44	219	Modified Kohler 278224; Body/arrester Horizontal
1086	Kohler 278403	Horizontal	44	219	Modified Kohler 278224; Body/arrester Horizontal
1087	Kohler 278416	Horizontal	40	219	Modified Kohler 278224; Body/arrester Horizontal
1088	Krizman 115H34B	Horizontal	21	220	Not qualified above 21 Models that lack the letter B are not
1089				220	qualified
1090	Krizman KS650A	Horizontal	63	220	See J&R Krizman KS-650A
1091	Krizman TH100 or TH100M	Horizontal	22	220	~
1092	Krizman VH1	Horizontal	92	220	~
1093	Krizman VH11	Horizontal	186	220	~
1094	Krizman-Maico KS5002502850501	Horizontal			~
1095	KSI-WIS-Krizman KS650K	Horizontal	69	220	Modified Krizman KS-650-0
1096	KTM K-300	Horizontal	65	220	~
1097	KTM K-620	Horizontal	83	220	See KTM K-300
1098	KTM VBK 950 Adv	Horizontal	315		CAT Type; sealed unit
1099	Kubota 8501A	Horizontal	83	221	~
1100	Kubota 8502C	Multiple	20	221	Screen; 4-cycle; 3.4 hp or smaller
1101	Kubota 8503C	Multiple	21	221	Screen; 4-cycle; 5.2 hp or smaller
1102	Kubota 8504C	Multiple	32	221	Screen; 4-cycle; 7.4 hp or smaller
1103	Kubota 8505B	Multiple	43	221	Screen; 4-cycle; 4.0 hp or smaller
1104	Kubota 8906A	Multiple	30	221	Screen; 4-cycle; 7.87 hp or smaller
1105	Kubota 8907A	Multiple	59	222	Screen; 4-cycle; 6.08 hp or smaller
1106	Kubota 8908A	Multiple	37	222	Screen; 4-cycle; 8.9 hp or smaller
1107	Kubota 8909A	Multiple	49	222	Screen; 4-cycle; 6.6 hp or smaller
1108	Kubota 8910A	Multiple	41		Screen; 4-cycle; 1.15 hp or smaller
1109	Kubota 9001B	Multiple	13		Screen; 4-cycle; 8.9 hp or smaller
1110	Kubota K 7561-8311	Horizontal	119		~
1111	Kubota TUV01A	Multiple	130	222	Screen Type
1112	Kubota TUV02A	Multiple	151	222	Screen Type
1113	Kubota TUV03A	Multiple	75		Screen Type
1114	Kubota Tractor Corp.	TUV04A	Multiple		87 Screen type
1115	KYMCO LBA7	Multiple	68	223	Engine of application: LA 60
1116	KYMCO LBD3	Multiple	26	223	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1117	KYMCO LBD4	Multiple	27	223	~
1118	KYMCO LEE8	Horizontal	136	224	Screen Type
1119	KYMCO LEE8	Horizontal	136		Screen Type
1120	KYMCO LFA5-9000	Horizontal	100		Screen Type
1121	KYMCO LFA5-9000	Horizontal	100		Screen Type
1122	KYMCO LLB1	Multiple	54	224	~
1123	KYMCO LBD5	Multiple			
1124	Lafranconi Silenziatori LAF-SA20	Multiple	216		Screen Type
1125	Lafranconi Silenziatori LAF-SA40	Multiple	184		Screen Type
1126	LEXX 120-007C	Multiple	194		Screen Type
1127	Ligne Racing / CRD Absolute LR #7803	Multiple	176		Screen type
1128	Ligne Racing / CRD Absolute Performance 2	Multiple	176		Screen Type
1129	Looney Tuned Exhaust LT4-2004	Multiple	199		Screen Type
1130	LRDPro4Series	Multiple	179	224	~
1131	M4 Products OFF-ROAD	Multiple	424		Screen type used on Honda CRF450R & 250R; KTM 450 & 250;
1132					Yamaha YZF250; 426; and 450; Suzuki DRZ400. Honda ATV
1133					400EX; Suzuki ATV LTZ400; and Yamaha 600 Raptor ATV.
1134	Magnum Racing KS-250-1 for LTA50	Horizontal	354		~
1135	Magnum Racing KS800M2	Horizontal	354		~
1136	Magnum-Krizman KHI LX110	Horizontal	63	225	See J& R Krizman KS 650A
1137	Magnum-Krizman KS650A	Horizontal	60	225	See J&R Krizman 650A
1138	Magnum-Krizman KS650M	Horizontal	90		~
1139	Magnum-Krizman KS650A	Horizontal	63	225	See J&R Krizman KS 650A
1140	Maremont 4305	Horizontal	63		~
1141	Maremont 4305	Vertical	273		~
1142	Maremont 4306	Horizontal	296		~
1143	Maremont 4306	Vertical	436		~
1144	Maremont 4307	Horizontal	597		~
1145	Maremont 4307	Vertical	644		~
1146	Maremont 4308	Horizontal	842		~
1147	Maremont 4308	Vertical	881		~
1148	Maremont 4604	Horizontal	1177		~
1149	Maremont 4604	Vertical	1200		~
1150	Maremont 4605	Horizontal	1630		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1151	Maremont 4605	Vertical	1670		~
1152	Maxim 2MSA1	Horizontal	218	226	~
1153	MBRP AT-6010SP	Multiple	254	226	Screen Type
1154	MBRP AT-7010UT	Multiple	234		See Model No. AT-6010SP
1155	McCulloch MPP 1500E	Multiple	21	227	Screen; 4-cycle; 2.7 hp or smaller
1156	McCulloch MPP 2300E	Multiple	30	227	Screen; 4-cycle; 5.5 hp or smaller
1157	McCulloch MPP 3500E	Multiple	42	227	Screen; 4-cycle; 5.5 hp or smaller
1158	McCulloch MPP 600E or 800E	Multiple	12	227	Screen; 4-cycle; 1.4 hp or smaller
1159	Motolabs Corp ML6971	Multiple	105		Screen Type
1160	Murphy Muffler MM3S25	Multiple	240	228	Screen; 2-cycle; 29.4 hp or smaller
1161	Muzzys Performance Products KS650A	Multiple	207	228	18" long; 4" Aluminum body; external inlet tube
1162	Muzzys Performance Products KS800M2	Multiple	207	228	14" long; 3" Aluminum body; external inlet tube
1163	Muzzys Performance Products M050243	Multiple	207	228	14" long; 3" Aluminum body; internal inlet tube
1164	Muzzys Performance Products M065154	Horizontal	311	228	~
1165	Muzzys Performance Products MZ0010	Multiple	207	228	14" long; 4" Aluminum body; external inlet tube
1166	Muzzys Performance Products MZ0011	Multiple	207	228	16" long; 4" Aluminum body; external inlet tube
1167	Muzzys Performance Products MZ0012	Multiple	207	228	18" long; 4" Aluminum body; external inlet tube
1168	Muzzys Performance Products MZ0012	Multiple	207	228	16" long; 3" Aluminum body; internal inlet tube
1169	Muzzys Performance Products MZ0013	Multiple	207	228	14" long; 3" Aluminum body; external inlet tube
1170	Muzzys Performance Products MZ0013	Multiple	207	228	14" long; 4" Aluminum body; internal inlet tube
1171	Muzzys Performance Products MZ0014	Multiple	207	228	16" long; 3" Aluminum body; external inlet tube
1172	Muzzys Performance Products MZ0015	Multiple	207	228	18" long; 3" Aluminum body; external inlet tube
1173	Muzzys Performance Products MZ0016	Multiple	207	228	14" long; 3" Aluminum body; internal inlet tube
1174	Muzzys Performance Products MZ0016	Multiple	207	228	16" long; 4" Aluminum body; internal inlet tube
1175	Muzzys Performance Products MZ0017	Multiple	207	228	16" long; 3" Aluminum body; internal inlet tube
1176	Muzzys Performance Products MZ0017	Multiple	207	228	14" long; Oval Titanium body; internal inlet tube
1177	Muzzys Performance Products MZ0018	Multiple	207	228	18" long; 3" Aluminum body; internal inlet tube
1178	Muzzys Performance Products MZ0019	Multiple	207	228	14" long; 4" Aluminum body; internal inlet tube
1179	Muzzys Performance Products MZ0019	Multiple	207	228	18" long; Oval Titanium body; internal inlet tube
1180	Muzzys Performance Products MZ0020	Multiple	207	228	16" long; 4" Aluminum body; internal inlet tube
1181	Muzzys Performance Products MZ0020	Multiple	207	228	14" long; Oval Titanium body; external inlet tube
1182	Muzzys Performance Products MZ0021	Multiple	207	228	18" long; 4" Aluminum body; internal inlet tube
1183	Muzzys Performance Products MZ0022	Multiple	207	228	14" long; Oval Titanium body; internal inlet tube
1184	Muzzys Performance Products MZ0022	Multiple	207	228	14" long; 4" Aluminum body; external inlet tube

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1185	Muzzys Performance Products MZ0023	Multiple	207	228	16" long; Oval Titanium body; internal inlet tube
1186	Muzzys Performance Products MZ0024	Multiple	207	228	18" long; Oval Titanium body; internal inlet tube
1187	Muzzys Performance Products MZ0024	Multiple	207	228	16" long; 4" Aluminum body; external inlet tube
1188	Muzzys Performance Products MZ0025	Multiple	207	228	14" long; Oval Titanium body; external inlet tube
1189	Muzzys Performance Products MZ0025	Multiple	207	228	16" long; 3" Aluminum body; external inlet tube
1190	Muzzys Performance Products MZ0026	Multiple	207	228	16" long; Oval Titanium body; external inlet tube
1191	Muzzys Performance Products MZ0027	Multiple	207	228	18" long; Oval Titanium body; external inlet tube
1192	Muzzys Performance Products NM 28533	Multiple	207	228	18" long; 4" Aluminum body; internal inlet tube
1193	Muzzys Performance Products NM 28533	Multiple	207	228	16" long; Oval Titanium body; internal inlet tube
1194	Muzzys Performance Products NM 29725	Multiple	207	228	18" long; 3" Aluminum body; external inlet tube
1195	Muzzys Performance Products NM 49028	Multiple	207	228	18" long; 3" Aluminum body; internal inlet tube
1196	Muzzys Performance Products OD5133	Multiple	207	228	16" long; Oval Titanium body; external inlet tube
1197	Muzzys Performance Products PC2100	Multiple	207	228	18" long; Oval Titanium body; external inlet tube
1198	Nelson 2861	Horizontal	31		~
1199	Nelson 14110	Vertical	435	229	~
1200	Nelson 14113	Vertical	182	229	Body Horizontal
1201	Nelson 14217	Horizontal	186	229	~
1202	Nelson 14390	Vertical	111	229	~
1203	Nelson 14572	Horizontal	167	229	~
1204	Nelson 15514	Inverted	615	230	Two inlets; One outlet
1205	Nelson 15567	Inverted	35	230	~
1206	Nelson 15730	Horizontal	35	230	Modified T-14321
1207	Nelson 15731	Horizontal	42	230	~
1208	Nelson 15818	Vertical	112	230	~
1209	Nelson 15870	Inverted	99	230	Modified T-14123
1210	Nelson 15876	Vertical	348	231	~
1211	Nelson 15893	Inverted	42	231	See Onan 155-1520
1212	Nelson 15934	Horizontal	95	231	Body Horizontal
1213	Nelson 15935	Horizontal	71	231	Two inlets; One outlet. Body Horizontal
1214	Nelson 15982	Horizontal	63	231	Body Horizontal
1215	Nelson 16001	Vertical	750	231	~
1216	Nelson 16006	Horizontal	112	232	~
1217	Nelson 16011	Horizontal	50	232	~
1218	Nelson 16025	Vertical	196	232	Body Horizontal

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1219	Nelson	16068	Horizontal	325	232	~
1220	Nelson	16152	Horizontal	148	232	Two inlets; One outlet. Body Horizontal
1221	Nelson	16170	Vertical	588	232	Two inlets; One outlet. Body Horizontal
1222	Nelson	16297	Horizontal	71	233	Body Horizontal
1223	Nelson	16300	Horizontal	81	233	Body Horizontal
1224	Nelson	16301	Horizontal	59	233	Body Horizontal
1225	Nelson	16302	Horizontal	150	233	~
1226	Nelson	16304	Horizontal	62	233	~
1227	Nelson	16361	Inverted	43	233	~
1228	Nelson	16362	Inverted	46	234	~
1229	Nelson	16460	Inverted	61	234	~
1230	Nelson	16504	Vertical	640	234	~
1231	Nelson	16538	Vertical	282	234	~
1232	Nelson	16547	Vertical	194	234	Body Horizontal
1233	Nelson	16572	Horizontal	108	235	Two inlets; One outlet
1234	Nelson	16619	Inverted	105	235	Body Horizontal
1235	Nelson	16628	Horizontal	105	235	Two inlets; 36 outlet holes/Body Horizontal
1236	Nelson	16667	Inverted	35	235	Body Horizontal
1237	Nelson	16752	Vertical	75	235	Body Horizontal
1238	Nelson	16825	Horizontal	79	235	Body Horizontal
1239	Nelson	16828	Horizontal	87	236	Body Horizontal
1240	Nelson	16868	Horizontal	206	236	~
1241	Nelson	16888	Vertical	140	236	Body Horizontal
1242	Nelson	16909	Inverted	243	236	~
1243	Nelson	16932	Horizontal	160	236	Body Horizontal
1244	Nelson	16956	Horizontal	108	236	Body Horizontal
1245	Nelson	16986	Vertical	102	237	2 vertical inlets; 1 outlet/Body Horizontal
1246	Nelson	16988	Horizontal	116	237	Body Horizontal
1247	Nelson	16989	Horizontal	54	237	Not qualified above 54
1248	Nelson	16990	Vertical	100	237	Body Horizontal
1249	Nelson	17005	Vertical	558	237	Body Horizontal
1250	Nelson	17043	Horizontal	68	237	Body Horizontal
1251	Nelson	17088	Horizontal	57	238	Body Horizontal
1252	Nelson	17112	Inverted	31	238	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1253	Nelson	17123	Vertical	192	238	Body Horizontal
1254	Nelson	17185	Inverted	170	238	Body Horizontal
1255	Nelson	17254	Horizontal	386	238	Body Horizontal
1256	Nelson	17318	Multiple	81	238	Adapter for Nelson 35347 screen assembly
1257	Nelson	17334	Horizontal	122	239	~
1258	Nelson	17371	Vertical	131	239	Two inlets; One outlet
1259	Nelson	17410	Horizontal	95	239	Inlet may be smaller
1260	Nelson	17470	Horizontal	65	239	Body Horizontal
1261	Nelson	17480	Horizontal	420	239	~
1262	Nelson	17533	Horizontal	69	239	~
1263	Nelson	17622	Horizontal	89	240	Two inlets; One outlet. Body Horizontal
1264	Nelson	17657	Vertical	226	240	~
1265	Nelson	17674	Inverted	150	240	Body Horizontal
1266	Nelson	17695	Vertical	143	240	Body Horizontal
1267	Nelson	17701	Horizontal	1044	240	Two inlets; One outlet. Body Horizontal
1268	Nelson	17746	Vertical	107	240	Body Horizontal
1269	Nelson	17747	Horizontal	89	241	Body Horizontal
1270	Nelson	17749	Horizontal	97	241	Body Horizontal
1271	Nelson	17750	Horizontal	141	241	Body Horizontal
1272	Nelson	17765	Vertical	81	241	Body Horizontal
1273	Nelson	17898	Horizontal	46	241	~
1274	Nelson	17899	Horizontal	754	241	Two inlets; One outlet. Body Horizontal
1275	Nelson	17973	Vertical	357	242	~
1276	Nelson	17974	Vertical	454	242	~
1277	Nelson	17998	Vertical	78	242	Body Horizontal
1278	Nelson	18012	Horizontal	94		See 17410 for drawing & photo/Body Horizontal
1279	Nelson	18018	Vertical	455	242	May have side or bottom clean out plug
1280	Nelson	18031	Inverted	110	242	Body Horizontal
1281	Nelson	18090	Horizontal	700	242	Two inlets; One outlet. Body Horizontal
1282	Nelson	18289	Inverted	75	242	Body Horizontal
1283	Nelson	18433	Vertical	165	243	~
1284	Nelson	18493	Horizontal	94	243	See Nelson 17410 for drawing & photo
1285	Nelson	18528	Horizontal	74	243	Body Horizontal
1286	Nelson	18613	Vertical	196	243	Body Horizontal

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1287	Nelson	18631	Vertical	83	243	Body Horizontal
1288	Nelson	18642	Horizontal	576	243	Outlet length may vary. Body Horizontal
1289	Nelson	18731	Horizontal	90	243	Two inlets; One outlet. Body Horizontal
1290	Nelson	18753	Multiple	81	244	Adapter for Nelson 35347 screen assembly
1291	Nelson	18798	Vertical	77	244	~
1292	Nelson	18875	Horizontal	77	244	~
1293	Nelson	18885	Vertical	50	244	Body Horizontal
1294	Nelson	19005	Vertical	213	244	~
1295	Nelson	19051	Vertical	225	244	Approved as T-14222
1296	Nelson	19052	Vertical	225	244	Approved as T-14222
1297	Nelson	19053	Vertical	225	244	Approved as T-14222
1298	Nelson	19062	Horizontal	576	244	Approved as T-18642
1299	Nelson	19068	Vertical	133	245	~
1300	Nelson	19125	Vertical	350	245	~
1301	Nelson	19126	Vertical	238	245	~
1302	Nelson	19139	Vertical	93	245	Two inlets; One outlet
1303	Nelson	19269	Vertical	225	245	Approved as 19053
1304	Nelson	19273	Vertical	300	245	Approved as T-14219
1305	Nelson	19341	Horizontal	193	246	Body Horizontal
1306	Nelson	19382	Vertical	124	246	Body Horizontal
1307	Nelson	19383	Vertical	225	246	Approved as 19052; See Nelson T-14222
1308	Nelson	19453	Inverted	505	246	~
1309	Nelson	19578	Horizontal	198	246	~
1310	Nelson	19705	Vertical	213	246	Body Horizontal
1311	Nelson	19773	Vertical	243	247	~
1312	Nelson	19820	Horizontal	36	247	Also identified as ONAN 155-2048
1313	Nelson	19822	Horizontal	38	247	Also identified as ONAN 155-2047
1314	Nelson	19825	Horizontal	18	247	Body vertical
1315	Nelson	19826	Horizontal	28	247	Body vertical
1316	Nelson	19830	Vertical	345	247	Not qualified above 345
1317	Nelson	19853	Vertical	405	248	Also identified as IHC1275825C; Body Horizontal
1318	Nelson	19941	Horizontal	94	248	Two inlets; One outlet. Body Horizontal
1319	Nelson	19973	Horizontal	45	248	Body Horizontal
1320	Nelson	19975	Horizontal	95	248	Two inlets; One outlet

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1321	Nelson	19976	Horizontal	125	248	Two inlets; One outlet. Body Horizontal
1322	Nelson	19994	Vertical	94	248	Two inlets; One outlet
1323	Nelson	20069	Horizontal	470	249	Body Horizontal
1324	Nelson	20072	Vertical	392	249	Body Horizontal
1325	Nelson	20147	Horizontal	78	249	Body Horizontal
1326	Nelson	20343	Horizontal	46	249	Same as 17898 except two cleanout plugs
1327	Nelson	20490	Horizontal	23	249	Approved as Wacker WM80-58406
1328	Nelson	20513	Horizontal	66	249	Also identified as ONAN 155-2098
1329	Nelson	20519	Vertical	460	249	Body Horizontal
1330	Nelson	20539	Horizontal	207	250	Body Horizontal
1331	Nelson	20578	Multiple	30	250	Screen; 4-cycle; 4 hp or smaller
1332	Nelson	20608	Vertical	160	250	Body Horizontal
1333	Nelson	20665	Horizontal	36	250	Approved as 19820
1334	Nelson	20666	Horizontal	38	250	Approved as 19822
1335	Nelson	20687	Horizontal	33	250	Not qualified above 32.5 Body Horiz
1336	Nelson	20710	Vertical	252	251	~
1337	Nelson	20710	Horizontal	268	251	~
1338	Nelson	20788	Inverted	27	251	See Kohler 228173
1339	Nelson	20952	Horizontal	111	251	Unit equipped with catalytic converter;/Body Horizontal
1340	Nelson	20953	Vertical	166	251	Body Horizontal
1341	Nelson	20954	Horizontal	257	251	Body Horizontal
1342	Nelson	20965	Horizontal	108	252	Distance between inlet and outlet maybe 10.2 or 12 inches.
1343	Nelson	20990	Horizontal	64	252	Body Horizontal
1344	Nelson	21079	Horizontal	40		Modified Kohler 278223; Body Horizontal
1345	Nelson	21140	Horizontal	267	252	Body Horizontal
1346	Nelson	21161	Inverted	154	252	Body Horizontal
1347	Nelson	21278	Inverted	40		See Kohler 278223; Body Horizontal
1348	Nelson	21279	Horizontal	49	252	Also identified as ONAN 155-2065
1349	Nelson	21315	Horizontal	900		Body and outlet vertical
1350	Nelson	21341	Inverted	106	252	~
1351	Nelson	21422	Horizontal	40		See Kohler 278218; Body Horizontal
1352	Nelson	21423	Inverted	44		See Kohler 278224; Body Horizontal
1353	Nelson	21517	Vertical	245		~
1354	Nelson	21549	Horizontal	57		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1355	Nelson	21616	Vertical	107		Body Horizontal
1356	Nelson	21645	Horizontal	40		Modified Kohler 278223; Body Horizontal
1357	Nelson	21709	Horizontal	82	306	~
1358	Nelson	21721	Horizontal	36	253	~
1359	Nelson	21758	Horizontal	571	253	~
1360	Nelson	21800	Horizontal	128	253	Horizontal inlet & body; Vertical outlet
1361	Nelson	21863	Vertical	255	253	Horizontal inlet & outlet
1362	Nelson	21884	Vertical	178	253	Body Horizontal
1363	Nelson	21928	Horizontal	82	253	Body Horizontal
1364	Nelson	21950	Vertical	188	254	Body Horizontal
1365	Nelson	22157	Inverted	46	254	Modified Nelson 16362. Body Horizontal
1366	Nelson	22255	Vertical	250	254	Outlet vertical; Body Horizontal
1367	Nelson	22389	Horizontal	67	254	Body Horizontal
1368	Nelson	22416	Vertical	160	254	Modified Nelson 20608
1369	Nelson	22506	Vertical	62	255	Body Horizontal
1370	Nelson	22627	Vertical	111	255	Body Horizontal
1371	Nelson	22671	Horizontal	84	255	Modified Nelson 22672
1372	Nelson	22672	Horizontal	84	255	Horizontal inlet; body & outlet
1373	Nelson	22737	Horizontal	44		See Kohler 278224; Body of arrester Horizontal
1374	Nelson	22755	Horizontal	43	218	See Kohler 239724
1375	Nelson	22777	Horizontal	40	219	See Kohler 278223; Body of arrester Horizontal
1376	Nelson	22823	Horizontal	71	256	~
1377	Nelson	22836	Horizontal	36		Modified Nelson 21721
1378	Nelson	22904	Inverted	36	256	Modified Nelson 19820
1379	Nelson	22917	Horizontal	55	256	~
1380	Nelson	22992	Vertical	183	256	Body and outlet Horizontal
1381	Nelson	23069	Horizontal	28		Modified Nelson 19826
1382	Nelson	23094	Vertical	124		Modified Nelson 19382; Body/Arrester Horizontal
1383	Nelson	23096	Vertical	206	256	~
1384	Nelson	23137	Vertical	64	257	Body Horizontal; outlet down
1385	Nelson	23162	Inverted	106	252	Modified N-21341 diff. support bracket
1386	Nelson	23483	Horizontal	31	253	Modified Nelson 21721
1387	Nelson	23643	Vertical	112	257	Vertical; body horizontal
1388	Nelson	23697	Vertical	127	257	Body Horizontal

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1389	Nelson	23718	Horizontal	64	258	Modified Nelson 20990
1390	Nelson	23726	Horizontal	85		Two horizontal inlets; one outlet
1391	Nelson	23727	Vertical	92		Modified Nelson 38195-A
1392	Nelson	23746	Vertical	152	258	~
1394	Nelson	23843	Horizontal	32	258	~
1395	Nelson	23852	45° from inverted	148	258	Cleanout plug 45 deg. from outlet
1396	Nelson	23860	Horizontal	33	258	~
1397	Nelson	23893	Horizontal	228	258	Body Inverted
1398	Nelson	23893	Horizontal	228	258	Body Vertical
1399	Nelson	24035	Vertical	159	259	~
1400	Nelson	24083	Vertical	223	259	~
1401	Nelson	24148	Horizontal	1027	259	~
1402	Nelson	24180	Horizontal	281	260	~
1403	Nelson	24304	Vertical	131	260	~
1404	Nelson	24379	Vertical	168	260	Qualified with or without the catalytic converter can in place
1405	Nelson	24459	Vertical	895	260	~
1406	Nelson	24707	Vertical	177	260	~
1407	Nelson	24710	Vertical	159	260	Body horizontal
1408	Nelson	24711	Vertical	131	261	Body horizontal
1409	Nelson	24745	Horizontal	121	261	~
1420	Nelson	24752	Vertical	168	261	Body horizontal; qualified with or without the catalytic converter can in place.
1421						
1422	Nelson	24800	Vertical	117	261	~
1423	Nelson	24839	Vertical	242	261	~
1424	Nelson	24842	Vertical	280	262	Body horizontal
1425	Nelson	24931	Horizontal	92	262	~
1426	Nelson	24953	Vertical	69	262	~
1427	Nelson	25007	Horizontal	52	262	~
1428	Nelson	25012	Vertical	135	262	~
1429	Nelson	25026	Vertical	231	263	~
1430	Nelson	25133	Vertical	894	263	~
1431	Nelson	25191	Inverted	38	263	~
1432	Nelson	25237	Horizontal	71	263	~
1433	Nelson	25640	Vertical	43	264	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1434	Nelson	25766	Multiple	48	264	Screen; 4-cycle; 8 hp or smaller Inlet 49o off vertical ~ ~ ~
1435	Nelson	25771	Horizontal	160	264	
1436	Nelson	25986	Horizontal	84	264	
1437	Nelson	26147	Horizontal	113	264	
1437	Nelson	26252	Vertical	234	264	
1439	Nelson	26281	Horizontal	83		~
1440	Nelson	26294	Horizontal	80	265	~
1441	Nelson	26296	Horizontal	75	265	~
1442	Nelson	26359	Horizontal	101	265	~
1443	Nelson	26438	Horizontal	66	265	~
1444	Nelson	26454	Horizontal	88	265	~
1445	Nelson	26465	Horizontal	177	266	~
1446	Nelson	26503	Horizontal	46	266	~
1447	Nelson	26617	Horizontal	113	266	~
1448	Nelson	26710	Horizontal	66		~
1449	Nelson	26749	Horizontal	69	266	~
1450	Nelson	26875	Horizontal	435	266	~
1451	Nelson	26876	Horizontal	1056	266	~
1452	Nelson	26897	Horizontal	63	267	See Onan 155-3151
1452	Nelson	27021	Horizontal	71	267	Modified external bracket
1454	Nelson	27021	Horizontal	71	267	~
1455	Nelson	27137	Horizontal	32	267	~
1456	Nelson	27173	Horizontal	234	267	~
1457	Nelson	27174	Horizontal	67	267	~
1458	Nelson	27196	Horizontal	79	267	~
1459	Nelson	27222	Horizontal	73	268	~
1460	Nelson	27258	Horizontal	72		~
1461	Nelson	27453	Horizontal	258	268	Vertical inlet
1462	Nelson	27475	Horizontal	218	268	Vertical inlet
1463	Nelson	27522	Horizontal	89	268	~
1464	Nelson	27692	Horizontal	254	269	Vertical inlet
1465	Nelson	27780	Horizontal	72	269	~
1466	Nelson	27890	Horizontal	67	269	~
1467	Nelson	27901	Horizontal	103	269	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1468	Nelson	27906	Multiple	101	269	Used on GX670 & GXU670 Vertical inlet ~ ~ 4 Hp; 4 stroke cycle diesel. See also Nelson 20578
1469	Nelson	27906	Horizontal	166	269	
1470	Nelson	28151	Horizontal	75	270	
1471	Nelson	28186	Horizontal	130	270	
1472	Nelson	28416	Multiple	30	270	
1473	Nelson	28440	Horizontal	114		~
1474	Nelson	28457	Multiple	200	270	Used on Continental TM20 gasoline engine
1475	Nelson	28457	Vertical	213	270	~
1476	Nelson	28472	Horizontal	75	271	~
1477	Nelson	28472	Horizontal	82	271	~
1478	Nelson	28602	Horizontal	66	271	For reference see Nelson 26710
1479	Nelson	28610	Horizontal	31		
1480	Nelson	28619	Horizontal	69		~
1481	Nelson	28878	Horizontal	48		Insulated wrap around
1482	Nelson	29059	Horizontal	32		Inverted inlet
1483	Nelson	29222	Horizontal	34	271	~
1484	Nelson	29222	Horizontal	71	271	Modified external bracket
1485	Nelson	29222	Horizontal	75	271	~
1486	Nelson	29222	Horizontal	79	271	~
1487	Nelson	29223	Horizontal	79	271	~
1488	Nelson	29304	Horizontal	71	271	See Nelson 27021
1489	Nelson	29309	Horizontal	260		~
1490	Nelson	29385	Horizontal	236		Vertical inlet
1491	Nelson	29513	Horizontal	75		~
1492	Nelson	29514	Horizontal	114		~
1493	Nelson	29520	Horizontal	53		271
1494	Nelson	29520D	Horizontal	85	271	
1495	Nelson	29550	Horizontal	123		~
1496	Nelson	29726	Horizontal	622		~
1497	Nelson	29738	Vertical	118		~
1498	Nelson	29798	Horizontal	155		~
1499	Nelson	29833	Multiple	188	272	~
1500	Nelson	30134	Vertical	298		~
1501	Nelson	30670	Vertical	352		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1502	Nelson	35347	Multiple	81	272	Screen; 4-cycle; 23 hp for use on Nelson 16184; 16348; 17605; 17814; 18672 and 21146 mufflers. Outlet horizontal. Body horizontal 2 inlets; body horizontal; outlet inverted
1503						
1504	Nelson	38195	Vertical	104	272	
1505	Nelson	38196	Horizontal	111	272	
1506	Nelson	49013	Multiple	118	272	Screen; 4-cycle; 20 hp or smaller
1507	Nelson	49017	Multiple	48	272	Screen; 4-cycle; 8hp 19.44 cu. in. or smaller
1508	Nelson	49019	Multiple	48	273	Screen; 4-cycle; 8hp 19.44 cu. in. or smaller
1509	Nelson	49020	Multiple	54	273	Screen; 4-cycle; 10hp or smaller
1510	Nelson	49021	Multiple	67	273	Screen; 4-cycle; 12.5 hp or smaller
1511	Nelson	49022	Multiple	89	273	Screen; 4-cycle; 18hp or smaller
1512	Nelson	49024	Multiple	109	273	For 26 HP; Kohler CH26 and Tecumseh OV691EP engines
1513	Nelson	49024	Multiple	118	273	Screen; 4-cycle; 20 hp or smaller
1514	Nelson	49025	Multiple	130	274	Used on diesel and gasoline engine
1515	Nelson	49025	Multiple	222	274	Screen; 4-cycle; 35 hp or smaller
1516	Nelson	49025	Multiple	300	274	Screen type used on Kubota V2403-MA and Kubota D902-E-UV
1517	Nelson	49026	Multiple	222	274	Screen; 4-cycle; 35 hp or smaller
1518	Nelson	49028	Multiple	300	274	Screen type used on Kubota V2403-MA and Kubota D902-E-UV
1519	Nelson	49110	Horizontal	50	274	Approved as T-9458
1520	Nelson	49110	Vertical	75	274	Approved as T-9458
1521	Nelson	49114	Horizontal	99	274	~
1522	Nelson	49114	Vertical	105	274	Approved as T-14123
1523	Nelson	49115	Vertical	24	274	~
1524	Nelson	49115	Horizontal	123	274	~
1525	Nelson	49115	Vertical	123	274	~
1526	Nelson	49115	Horizontal	124	274	~
1527	Nelson	49119	Horizontal	237	274	~
1528	Nelson	49119	Vertical	240	274	~
1529	Nelson	49120	Vertical	255	275	~
1530	Nelson	49120	Horizontal	260	275	~
1531	Nelson	49124	Vertical	302	275	~
1532	Nelson	49125	Vertical	344	275	~
1533	Nelson	49125	Horizontal	347	275	~
1534	Nelson	49130	Horizontal	655	275	~
1535	Nelson	49130	Vertical	663	275	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1536	Nelson	49135	Vertical	830	275	~
1537	Nelson	49135	Horizontal	950	275	~
1538	Nelson	49140	Vertical	760	275	~
1539	Nelson	49140	Horizontal	920	275	~
1540	Nelson	49150	Horizontal	1275	276	~
1541	Nelson	49150	Vertical	1275	276	~
1542	Nelson	49160	Horizontal	2020	276	~
1543	Nelson	49160	Vertical	2040	276	~
1544	Nelson	111337	Vertical	308		
1545	Nelson	112502	Vertical	227		
1546	Nelson	113304	Horizontal	50		
1547	Nelson	113572	Inverted	18		
1548	Nelson	200188	Horizontal	60		~
1549	Nelson	200192	Horizontal	273		~
1550	Nelson	200202	Horizontal	53		~
1551	Nelson	200202C	Horizontal	85	276	
1552	Nelson	200266	Horizontal	114		~
1553	Nelson	200378	Horizontal	314		~
1554	Nelson	200395	Horizontal	144		~
1555	Nelson	200396	Horizontal	58		~
1556	Nelson	200761	Horizontal	86		~
1557	Nelson	200775	Horizontal	211		Inverted inlet
1558	Nelson	200873	Horizontal	304		~
1559	Nelson	200986	Horizontal	75		
1560	Nelson	201042	Horizontal	168		~
1561	Nelson	201072	Horizontal	153	276	~
1562	Nelson	201073	Horizontal	718		~
1563	Nelson	201193	Horizontal	68		~
1564	Nelson	201327	Horizontal	49		~
1565	Nelson	201435	Horizontal	365	276	~
1566	Nelson	201487	Horizontal	167		Two configurations of outlet tube
1567	Nelson	201588	Horizontal	120	276	Inverted inlet
1568	Nelson	201775	Vertical	1033	276	~
1569	Nelson	201789	Inverted	70	277	Horizontal inlet

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1570	Nelson	201816	Vertical	172	277	Vertical inlet
1571	Nelson	201817	Vertical	172	277	Vertical inlet
1572	Nelson	201819	Horizontal	113	277	
1573	Nelson	201899	Horizontal	260	277	
1574	Nelson	201950	Horizontal	67		~
1575	Nelson	201952	Horizontal	155	277	~
1576	Nelson	201969	Horizontal	86		~
1577	Nelson	202287	Horizontal	259	277	
1578	Nelson	202689	Vertical Inlet		277	
1579			Horizontal	163		~
1580	Nelson	202876	Horizontal	106		~
1581	Nelson	202958	Horizontal Inlet		278	
1582			& Body	113		See Nelson 201140
1583	Nelson	412157	Horizontal	48		~
1584	Nelson	613313	Multiple	60	278	Screen; 4-cycle; 12.5 hp or smaller
1585	Nelson	614338	Multiple	87	278	Screen; 4-cycle; 20 hp
1586	Nelson	1661242	Horizontal	48		~
1587	Nelson	1723507	Horizontal	325		~
1588	Nelson	1922614	Vertical	166		Vertical inlet; Horizontal
1589	Nelson	2029716	Horizontal	25		~
1590	Nelson	15064A	Vertical	244		~
1591	Nelson	1553314	Horizontal	82		~
1592	Nelson	16506A	Vertical	258	234	~
1593	Nelson	16507A	Vertical	440	234	~
1594	Nelson	16990A	Vertical	100		Same as 16990 except for outlet rotational angle length. Body
1595						Horizontal
1596	Nelson	17622C	Horizontal	89	240	Modified Nelson 17622
1597	Nelson	18528A	Horizontal	70	243	Body Horizontal
1598	Nelson	20578B	Multiple	30		Screen; 4-cycle; 4 hp or smaller
1599	Nelson	20892A	Horizontal	48	247	Same as 19822 except for inlet and outlet rotational angle length/
1600						Body Horizontal
1601	Nelson	20892B	Horizontal	48	247	Star plug closure cleanout
1602	Nelson	20990B	Horizontal	64	252	Modified Nelson 20990
1603	Nelson	21423B	Horizontal	44		See Kohler 278224:Body of arrester Horizontal

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1604	Nelson	2178513 (M070470)	Multiple	109		For 26 HP; Kohler CH26 engine
1605	Nelson	21800A	Horizontal	128	253	Modified Nelson 21800. Body Horizontal
1606	Nelson	21800C	Horizontal	128	253	Modified Nelson 21800. Body Horizontal
1607	Nelson	21950B	Vertical	188	254	Modified Nelson 21950
1608	Nelson	22171B	Horizontal	54		See Onan 155-2416
1609	Nelson	22506A	Vertical	62	255	Body Horizontal
1610	Nelson	22801A	Horizontal	54		Modified Nelson 22171-B
1611	Nelson	22807A	Vertical	405	255	~
1612	Nelson	22992A	Horizontal	205	256	Vertical inlet
1613	Nelson	23259A	Multiple	30	250	Screen; 4-cycle; 4 hp or smaller; Onan 155-2514
1614	Nelson	23511A	Vertical	87	257	Body horizontal; inlet inverted
1615	Nelson	23516A	Multiple	30		Screen; 4-cycle; 4hp or smaller; see Nelson 20578
1616	Nelson	24108A	Multiple	30		Screen; 4-cycle; 4.0 hp or smaller
1617	Nelson	24756N	Horizontal	49		~
1618	Nelson	24866B	Inverted	25	262	Body horizontal
1619	Nelson	25239A	Horizontal	118	263	~
1620	Nelson	25602A	Horizontal	36	263	~
1621	Nelson	25868N	Horizontal	47	264	~
1622	Nelson	26054A	Horizontal	48		~
1623	Nelson	26201A	Horizontal	105	265	~
1624	Nelson	26710N	Horizontal	77		~
1625	Nelson	27196A	Horizontal	63	267	~
1626	Nelson	27404A	Horizontal	484	268	~
1627	Nelson	27453A	Horizontal	234	268	Vertical inlet
1628	Nelson	27543A	Horizontal	262	268	~
1629	Nelson	28057N	Horizontal	737	269	~
1630	Nelson	28061N	Horizontal	560	270	~
1631	Nelson	28070N	Horizontal	608	270	~
1632	Nelson	28478A	Horizontal	41		~
1633	Nelson	28478A	Horizontal	260		~
1634	Nelson	28478A	Horizontal	260		Vertical inlet
1635	Nelson	28479A	Horizontal	33		~
1636	Nelson	28479A	Horizontal	236		Vertical inlet
1637						

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1638	Nelson	28664 (large)	Multiple	222		Screen type; for Teledyne Wisconsin Motor Model W4-1770; N.M. Q617419 SCREEN TYPE
1639						
1640	Nelson	28664 (small)	Horizontal	25		~
1641	Nelson	29058A	Horizontal	76		~
1642	Nelson	29397 (large)	Horizontal	48		Insulated wrap around
1643	Nelson	29397 (small)	Horizontal	41		~
1644	Nelson	29465 (large)	Horizontal	123		~
1645	Nelson	29465 (small)	Horizontal	33		~
1646	Nelson	29466 (large)	Vertical	118		~
1647	Nelson	29466 (small)	Horizontal	30		~
1648	Nelson	340SA	Multiple	167		~
1649	Nelson	373393A1	Horizontal	53		~
1650	Nelson	49022G	Multiple	95	273	Reverse screen cone
1651	Nelson	49024 (large)	Multiple	131	273	For 26 HP; Kohler CH26 and Tecumseh OV691EP engines and for 20.9 HP; Kubota 1105-E-D16
1652						
1653	Nelson	49024 (small)	Horizontal	79	273	~
1654	Nelson	49115C	Vertical &			
1655			Horizontal	124	274	49115 with 1 inch pipe inlet; curved outlet
1656	Nelson	49120F	Vertical	255		Inlet may vary 2 inch I.D. to 2.15 inch I.D.
1657	Nelson	49120F	Horizontal	260		Outlet may vary 2 inch I.D. to 2.15 inch I.D. See Nelson U-49120
1658	Nelson	49150U	Horizontal &			
1659			Vertical	1275		See also Nelson 49150
1660	Nelson	49150U	Vertical	1275		See also Nelson 49150
1661	Nelson	C4423	Vertical	213		~
1662	Nelson	NM 200378	Horizontal	314	279	~
1663	Nelson	NM 200865	Horizontal	591	279	~
1664	Nelson	NM 201063	Horizontal	200	280	~
1665	Nelson	NM 201140	Horizontal	113	280	~
1666	Nelson	NM 201200	Horizontal	555	280	~
1667	Nelson	NM 201215	Horizontal	236	280	Vertical inlet
1668	Nelson	NM 201237	Horizontal	248	280	Vertical inlet
1669	Nelson	NM 201305	Horizontal	266	281	~
1670	Nelson	NM 28533	Horizontal	325	278	~
1671	Nelson	NM 28563	Horizontal	48		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1672	Nelson	NM 28653	Horizontal	48		~
1673	Nelson	NM 28878	Horizontal	48		~
1674	Nelson	NM 28888A	Horizontal	50		~
1675	Nelson	NM 29385	Multiple	28		Screen type; marked as NM 293852
1676	Nelson	NM 29725	Horizontal	66		~
1677	Nelson	NM 49025	Horizontal	151		~
1678	Nelson	NM 49028	Multiple	185		Used on Continental TMD27 diesel engine
1679	Nelson	NM 49028	Multiple	200		Used on Continental TM20 gasoline engine
1680	Nelson	NM 49030	Multiple	130		~
1681	Nelson	NM 49030	Horizontal	169		~
1682	Nelson	NM 615351	Multiple	125	281	~
1683	Nelson	NM Q617678	Multiple	46		~
1684	Nelson	Q613817	Horizontal	69		~
1685	Nelson	Q613817	Multiple	109		Screen type
1686	Nelson	Q614338	Multiple	101		Used on GX670 & GXU670
1687	Nelson	Q614338	Multiple	163	281	Screen type; 36 HP or smaller engine
1688	Nelson	Q617409	Multiple	30		4 hp; 4 stroke cycle diesel. See also Nelson 20578
1689	Nelson	Q617409	Multiple	115		Screen type; for 26 hp Kohler 4-stroke engine N.M. Q617409
1690						SCREEN TYPE
1691	Nelson	Q617409	Horizontal	236		Vertical inlet
1692	Nelson	Q617419	Multiple	222		Screen type; for Teledyne Wisconsin Motor Model W4-1770 N.M.
1693						Q617419 SCREEN TYPE
1694	Nelson	Q617419	Horizontal	325		~
1695	Nelson	Q620546	Multiple	109	281	
1696	Nelson	RSA20100	Horizontal	114		~
1697	Nelson	RSA20125	Horizontal	32		Inverted inlet
1698	Nelson	RSA20125	Multiple	185		Used on Continental TMD27 diesel engine
1699	Nelson	S3000	Multiple	115		Screen type; for 26 hp Kohler 4-stroke engine; N.M. Q617409
1700						SCREEN TYPE
1701	Nelson	SA-001 (large)	Multiple	109		Screen type
1702	Nelson	SA-001 (small)	Horizontal	71		See Nelson 27021
1703	Nelson	SX1	Multiple	28		Screen type; marked as NM 293852
1704	Nelson	T10093	Horizontal	20		Not qualified above 20
1705	Nelson	T10115	Vertical	227		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1706	Nelson	T10115	Horizontal	232	285	~
1707	Nelson	T10126	Vertical	122	285	~
1708	Nelson	T10213	Horizontal	213	285	Body Horizontal
1709	Nelson	T10214	Horizontal	348	285	Body Horizontal
1710	Nelson	T10215	Horizontal	394	285	Body Horizontal
1711	Nelson	T10244	Horizontal	520	286	~
1712	Nelson	T10291	Horizontal	33	286	~
1713	Nelson	T10374	Vertical	176	286	Body Horizontal
1714	Nelson	T10409	Horizontal	21	286	~
1715	Nelson	T10705	Horizontal	24	286	~
1716	Nelson	T10792	Horizontal	67	286	Body Horizontal
1717	Nelson	T10860	Horizontal	100	287	~
1718	Nelson	T10895	Horizontal	18	287	~
1719	Nelson	T10897	Vertical	112	287	Body Horizontal
1720	Nelson	T10898	Horizontal	20	287	~
1721	Nelson	T10956	Inverted	808	287	~
1722	Nelson	T10968	Vertical	148		Body Horizontal
1723	Nelson	T11068C	Inverted	47	287	Body Horizontal
1724	Nelson	T11145	Vertical	382		~
1725	Nelson	T11159	Inverted	24	287	~
1726	Nelson	T11336	Horizontal	239	288	Body Horizontal
1727	Nelson	T11337	Vertical	308	288	Body Horizontal
1728	Nelson	T11424	Inverted	63	288	Body Horizontal
1729	Nelson	T11601C	Horizontal	26	288	~
1730	Nelson	T11606	Horizontal	43	288	See Generac 33232
1731	Nelson	T11668	Vertical	164	289	~
1732	Nelson	T11708	Vertical	31	289	P/N NMC-T-11892; Body horizontal
1733	Nelson	T11730H	Horizontal	13	289	~
1734	Nelson	T11842	Inverted	808	289	Same as T-10956
1735	Nelson	T11915	Horizontal	30	289	Body vertical
1736	Nelson	T11927	Horizontal	324	289	~
1737	Nelson	T11976	Vertical	125	290	~
1738	Nelson	T12499	Horizontal	505	290	Body Horizontal
1739	Nelson	T12502	Vertical	227	290	Approved as T-10115

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1740	Nelson	T12502	Horizontal	232	290	Approved as T-10115
1741	Nelson	T12760B	Inverted	21	290	Body Horizontal
1742	Nelson	T12761	Inverted	38	290	Body Horizontal
1743	Nelson	T12818	Vertical	305	290	~
1744	Nelson	T12825F	Inverted	28	291	Centerline or offset outlet tube; one or two; clean out plugs. Body Horizontal
1745	Nelson	T12863	Horizontal	92	291	~
1746	Nelson	T13109	Horizontal	210	291	~
1747	Nelson	T13265	Inverted	23	291	~
1748	Nelson	T13300	Horizontal	11	291	~
1749	Nelson	T13304	Horizontal	50	291	Approved as T-9458
1750	Nelson	T13376	Horizontal	50	292	Approved as T-9458
1751	Nelson	T13473	Horizontal	180	292	Body Horizontal
1752	Nelson	T13502	Horizontal	640	292	Two horizontal inlets. Body Horizontal
1753	Nelson	T13529	Horizontal	69	292	~
1754	Nelson	T13559	Horizontal	17	292	Body Horizontal
1755	Nelson	T13572	Inverted	18	292	Body Horizontal
1756	Nelson	T13651	Vertical	485	293	~
1757	Nelson	T13716	Vertical	425	293	Body Horizontal
1758	Nelson	T13846	Vertical	176	293	Body Horizontal
1759	Nelson	T13919	Vertical	216	293	Body Horizontal
1760	Nelson	T13933	Inverted	93	293	Body Horizontal
1761	Nelson	T13934	Vertical	206	293	~
1762	Nelson	T13935	Vertical	219	294	New Holland No.285187; Body Horizontal
1763	Nelson	T13940	Inverted	125	294	Body Horizontal
1764	Nelson	T13944	Horizontal	33	294	Approved as T-10291
1765	Nelson	T13977	Vertical	205	294	~
1766	Nelson	T13978	Vertical	166	294	~
1767	Nelson	T13979	Vertical	166	294	~
1768	Nelson	T13994	Inverted	213	295	Body Horizontal
1769	Nelson	T13995	Vertical	382	295	~
1770	Nelson	T13995	Horizontal	388	295	~
1771	Nelson	T13999	Inverted	30	295	Body Horizontal
1772	Nelson	T14000	Inverted	42	295	Two inlets. Body Horizontal
1773	Nelson	T14002	Horizontal	11	295	Body vertical

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1774	Nelson	T14005	Vertical	380	295	~
1775	Nelson	T14066	Vertical	204	296	Approved as T-9213
1776	Nelson	T14066	Horizontal	208	296	Approved as T-9213
1777	Nelson	T14090	Horizontal	59	296	Body Horizontal
1778	Nelson	T14099	Inverted	178	296	Body Horizontal
1779	Nelson	T14105	Horizontal	169	296	~
1780	Nelson	T14106	Horizontal	69	296	Approved as T-1352
1781	Nelson	T14110B	Vertical	421	296	~
1782	Nelson	T14116	Horizontal	51	297	Body Horizontal
1783	Nelson	T14123	Horizontal	99	297	Body Horizontal
1784	Nelson	T14125	Inverted	50	297	Body Horizontal
1785	Nelson	T14214	Horizontal	153		~
1786	Nelson	T14217	Horizontal	183	297	~
1787	Nelson	T14219	Vertical	300	297	~
1788	Nelson	T14220	Vertical	683	297	Two inlets; one outlet
1789	Nelson	T14222	Vertical	225	298	~
1790	Nelson	T14223	Horizontal	150	298	~
1791	Nelson	T14223	Vertical	160	298	~
1792	Nelson	T14224	Vertical	170	298	~
1793	Nelson	T14315	Inverted	68	298	Body Horizontal
1794	Nelson	T14316	Horizontal	74	298	Body Horizontal
1795	Nelson	T14321	Inverted	25	298	Body Horizontal
1796	Nelson	T14327	Vertical	505		Approved as T-12499
1797	Nelson	T14334	Horizontal	543	298	Body Vertical
1798	Nelson	T14334	Vertical	561	298	With eductor tube; Body Horizontal
1799	Nelson	T14382	Horizontal	520	299	Approved as T-10244
1800	Nelson	T14390	Vertical	111	299	~
1801	Nelson	T14402	Horizontal	147		~
1802	Nelson	T14403	Horizontal	155	299	~
1803	Nelson	T14406	Horizontal	69	299	Approved as T-13529
1804	Nelson	T14415	Vertical	205	299	Body Horizontal
1805	Nelson	T14425	Horizontal	99	299	Approved as T-14123
1806	Nelson	T14529	Vertical	275	300	~
1807	Nelson	T14630	Horizontal	240	300	Body Horizontal

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1808	Nelson	T14631	Vertical	315	300	Body Horizontal
1809	Nelson	T14671	Horizontal	147	300	~
1810	Nelson	T14688	Horizontal	75	300	Body Vertical
1811	Nelson	T14754	Horizontal	261	300	~
1812	Nelson	T14816	Horizontal	210	301	~
1813	Nelson	T14853	Inverted	69	301	See ONAN 155-1485
1814	Nelson	T14907	Vertical	209	301	Body Horizontal
1815	Nelson	T15077	Inverted	47	301	~
1816	Nelson	T15078	Horizontal	48	301	Body Horizontal
1817	Nelson	T15079	Horizontal	57	301	Body Horizontal
1818	Nelson	T15080	Horizontal	67	302	Body Horizontal
1819	Nelson	T15215	Horizontal	136	302	~
1820	Nelson	T15341	Horizontal	92	302	Two inlets; One outlet. Body Horizontal
1821	Nelson	T15611	Horizontal	65	302	Body Horizontal
1822	Nelson	T15688	Horizontal	513	302	Body Vertical
1823	Nelson	T15689	Horizontal	618	302	Body Vertical
1824	Nelson	T401	Multiple	300		~
1825	Nelson	T6277	Vertical	154	282	~
1826	Nelson	T7033	Vertical	250	282	~
1827	Nelson	T7359	Vertical	245	282	~
1828	Nelson	T7515	Vertical	335	282	~
1829	Nelson	T8680	Vertical	262	282	~
1830	Nelson	T8714	Horizontal	417	282	~
1831	Nelson	T8714	Vertical	429	282	~
1832	Nelson	T9098	Horizontal	141	282	Not qualified above 141
1833	Nelson	T9099	Horizontal	194	282	~
1834	Nelson	T9099	Vertical	196	282	~
1835	Nelson	T9213	Vertical	204	283	~
1836	Nelson	T9213	Horizontal	208	283	~
1837	Nelson	T9219	Vertical	164	283	Body Horizontal
1838	Nelson	T9220	Vertical	170	283	Body Horizontal
1839	Nelson	T9304	Vertical	438	283	~
1840	Nelson	T9356	Vertical	450	283	~
1841	Nelson	T9356	Horizontal	474	283	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1842	Nelson T9370	Vertical	198	283	~
1843	Nelson T9457	Horizontal	50	283	~
1844	Nelson T9458	Horizontal	50	284	~
1845	Nelson T9460	Horizontal	37	284	~
1846	Nelson T9489	Inverted	76	284	~
1847	Nelson T9605	Vertical	146	284	See John Deere AT-33686
1848	Nelson T9605	Horizontal	148	284	See John Deere AT-33686
1849	Nelson T9932	Horizontal	415	284	~
1850	Nelson T9932	Vertical	426	284	~
1851	Nelson T9995	Vertical	31	284	Body Horizontal
1852	Nelson TC4-C400	Horizontal	66		~
1853	Nelson TC4-5000	Horizontal	31		~
1854	Nelson YMS660	Horizontal	75		~
1855	Nelson YMS660A	Horizontal	114		~
1856	Nelson 202958	Horizontal	113		See Nelson 201140
1857	Nelson GP (NGP) FGD 204294	Horizontal	131	144	See Cummins Emission Solutions FGD 204294
1858	Nelson GP (NGP) FGD A030M928	Horizontal	152	144	See Cummins Emission Solutions FGD A030M928
1859	Nelson GP (NGP) FGD A030U813	Horizontal	107	145	See Cummins Emission Solutions FGD A030U813
1860	Nelson GP (NGP) FGD 202498	Horizontal	60	145	See Cummins Filtration FGD 202498
1861	Nelson GP (NGP) FGD 202685	Horizontal	151	145	See Cummins Filtration FGD 202685
1862	Nelson GP (NGP) FGD 203554	Horizontal	240	145	See Cummins Filtration FGD 203554
1863	Nelson GP (NGP) FGD 204914	Horizontal	176	145	See Cummins Filtration FGD 204914
1864	Nelson GP (NGP) 202689	Vertical Inlet,			
1865		Horizontal	163		See Cummins Filtration (Fleetguard) 202689
1866	Nelson GP (NGP) 203516	30° below horizontal			
1867		inlet, Horizontal	205	143	See Cummins Filtration (Fleetguard) 203516
1868	Nelson GP (NGP) 203516	30° below horizontal			
1869		inlet, Horizontal	205	143	See Cummins Filtration (Fleetguard) 203516
1870	Nelson GP (NGP) 204208	Horizontal, Inverted			
1871		Inlet & Outlet	140	144	See Cummins Filtration (Fleetguard) 204208
1872	Nelson GP (NGP) 204912	Inverted Inlet,			
1873		Horizontal	57	144	See Cummins Filtration (Fleetguard) 204912
1874	Nelson GP (NGP) FGD 49030	Multiple	116		See Cummins Filtration (Fleetguard) FGD 49030
1875	Nelson GP (NGP) 49031	Multiple	160		See Fleetguard 49031

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1876	Nelson GP (NGP) 202876	Horizontal	106		See Fleetguard 202876
1877	Nelson GP (NGP) 202939	Horizontal Inlet			
1878		& Body	200		See Fleetguard 202939
1879	Nelson GP (NGP) 202947	Vertical Inlet			
1880		Horizontal	95		See Fleetguard 202947
1881	Nelson GP (NGP) 202948	Vertical Inlet			
1882		Horizontal	140		See Fleetguard 202948
1883	Nelson GP (NGP) 202993	Horizontal Inlet			
1884		& Body	87		See Fleetguard 202993
1885	Nelson GP (NGP) 203458	Horizontal Inlet			
1886		& Body	195		See Fleetguard 203458
1887	Nelson GP (NGP) 203473	Horizontal Inlet			
1888		& Body	197		See Fleetguard 203473
1889	Nelson GP (NGP) 203722	Horizontal Inlet			
1890		& Body	287		See Fleetguard 203722
1891	Nelson GP (NGP) 203909	Horizontal	113		See Fleetguard 203909
1892	Nelson GP (NGP) 203910	Horizontal	113		See Fleetguard 203910
1893	Nelson GP (NGP) 203913	Horizontal	113		See Fleetguard 203913
1894	Nelson GP (NGP) 203929	Horizontal, inlet			
1895		22° from vertical	197		See Fleetguard 203929
1896	Nelson GP (NGP) 203984	Vertical then			
1897		Inverted Body	46		See Fleetguard 203984
1898	Nelson GP (NGP) 204062	Horizontal	106		See Fleetguard 204062
1899	Nelson GP (NGP) 204188	Horizontal Inlet			
1900		& Body	195		See Fleetguard 204188
1901	Nelson GP (NGP) 204239	2 Horizontal Bodies			
1902		Outlet Inverted	77		See Fleetguard 204239
1903	Nelson GP (NGP) 203983 A	Vertical Body then			
1904		Inverted Body	46		See Fleetguard 203983 A
1905	Nelson GP (NGP) 203983 B	Vertical Body			
1906		then Inverted Body	46		See Fleetguard 203983 B
1907	Nelson GP (NGP) 49030	Multiple	116		See Fleetguard 49030
1908	Nelson GP (NGP) 201193	Horizontal	68		See Fleetguard 201193
1909	Nelson GP (NGP) 202958	Horizontal	113		See Fleetguard 202958

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1910	Nelson GP (NGP) 2861	Horizontal	31		See Nelson 2861
1911	Nelson GP (NGP) 14110	Vertical	435	229	See Nelson 14110
1912	Nelson GP (NGP) 14113	Vertical	182	229	See Nelson 14113
1913	Nelson GP (NGP) 14217	Horizontal	186	229	See Nelson 14217
1914	Nelson GP (NGP) 14390	Vertical	111	229	See Nelson 14390
1915	Nelson GP (NGP) 14572	Horizontal	167	229	See Nelson 14572
1916	Nelson GP (NGP) 15514	Inverted	615	230	See Nelson 15514
1917	Nelson GP (NGP) 15567	Inverted	35	230	See Nelson 15567
1918	Nelson GP (NGP) 15730	Horizontal	35	230	See Nelson 15730
1919	Nelson GP (NGP) 15731	Horizontal	42	230	See Nelson 15731
1920	Nelson GP (NGP) 15818	Vertical	112	230	See Nelson 15818
1921	Nelson GP (NGP) 15870	Inverted	99	230	See Nelson 15870
1922	Nelson GP (NGP) 15876	Vertical	348	231	See Nelson 15876
1923	Nelson GP (NGP) 15893	Inverted	42	231	See Nelson 15893
1924	Nelson GP (NGP) 15934	Horizontal	95	231	See Nelson 15934
1925	Nelson GP (NGP) 15935	Horizontal	71	231	See Nelson 15935
1926	Nelson GP (NGP) 15982	Horizontal	63	231	See Nelson 15982
1927	Nelson GP (NGP) 16001	Vertical	750	231	See Nelson 16001
1928	Nelson GP (NGP) 16006	Horizontal	112	232	See Nelson 16006
1929	Nelson GP (NGP) 16011	Horizontal	50	232	See Nelson 16011
1930	Nelson GP (NGP) 16025	Vertical	196	232	See Nelson 16025
1931	Nelson GP (NGP) 16068	Horizontal	325	232	See Nelson 16068
1932	Nelson GP (NGP) 16152	Horizontal	148	232	See Nelson 16152
1933	Nelson GP (NGP) 16170	Vertical	588	232	See Nelson 16170
1934	Nelson GP (NGP) 16297	Horizontal	71	233	See Nelson 16297
1935	Nelson GP (NGP) 16300	Horizontal	81	233	See Nelson 16300
1936	Nelson GP (NGP) 16301	Horizontal	59	233	See Nelson 16301
1937	Nelson GP (NGP) 16302	Horizontal	150	233	See Nelson 16302
1938	Nelson GP (NGP) 16304	Horizontal	62	233	See Nelson 16304
1939	Nelson GP (NGP) 16361	Inverted	43	233	See Nelson 16361
1940	Nelson GP (NGP) 16362	Inverted	46	234	See Nelson 16362
1941	Nelson GP (NGP) 16460	Inverted	61	234	See Nelson 16460
1942	Nelson GP (NGP) 16504	Vertical	640	234	See Nelson 16504
1943	Nelson GP (NGP) 16538	Vertical	282	234	See Nelson 16538

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1944	Nelson GP (NGP) 16547	Vertical	194	234	See Nelson 16547
1945	Nelson GP (NGP) 16572	Horizontal	108	235	See Nelson 16572
1946	Nelson GP (NGP) 16619	Inverted	105	235	See Nelson 16619
1947	Nelson GP (NGP) 16628	Horizontal	105	235	See Nelson 16628
1948	Nelson GP (NGP) 16667	Inverted	35	235	See Nelson 16667
1949	Nelson GP (NGP) 16752	Vertical	75	235	See Nelson 16752
1950	Nelson GP (NGP) 16825	Horizontal	79	235	See Nelson 16825
1951	Nelson GP (NGP) 16828	Horizontal	87	236	See Nelson 16828
1952	Nelson GP (NGP) 16868	Horizontal	206	236	See Nelson 16868
1953	Nelson GP (NGP) 16888	Vertical	140	236	See Nelson 16888
1954	Nelson GP (NGP) 16909	Inverted	243	236	See Nelson 16909
1955	Nelson GP (NGP) 16932	Horizontal	160	236	See Nelson 16932
1956	Nelson GP (NGP) 16956	Horizontal	108	236	See Nelson 16956
1957	Nelson GP (NGP) 16986	Vertical	102	237	See Nelson 16986
1958	Nelson GP (NGP) 16988	Horizontal	116	237	See Nelson 16988
1959	Nelson GP (NGP) 16989	Horizontal	54	237	See Nelson 16989
1960	Nelson GP (NGP) 16990	Vertical	100	237	See Nelson 16990
1961	Nelson GP (NGP) 17005	Vertical	558	237	See Nelson 17005
1962	Nelson GP (NGP) 17043	Horizontal	68	237	See Nelson 17043
1963	Nelson GP (NGP) 17088	Horizontal	57	238	See Nelson 17088
1964	Nelson GP (NGP) 17112	Inverted	31	238	See Nelson 17112
1965	Nelson GP (NGP) 17123	Vertical	192	238	See Nelson 17123
1966	Nelson GP (NGP) 17185	Inverted	170	238	See Nelson 17185
1967	Nelson GP (NGP) 17254	Horizontal	386	238	See Nelson 17254
1968	Nelson GP (NGP) 17318	Multiple	81	238	See Nelson 17318
1969	Nelson GP (NGP) 17334	Horizontal	122	239	See Nelson 17334
1970	Nelson GP (NGP) 17371	Vertical	131	239	See Nelson 17371
1971	Nelson GP (NGP) 17410	Horizontal	95	239	See Nelson 17410
1972	Nelson GP (NGP) 17470	Horizontal	65	239	See Nelson 17470
1973	Nelson GP (NGP) 17480	Horizontal	420	239	See Nelson 17480
1974	Nelson GP (NGP) 17533	Horizontal	69	239	See Nelson 17533
1975	Nelson GP (NGP) 17622	Horizontal	89	240	See Nelson 17622
1976	Nelson GP (NGP) 17657	Vertical	226	240	See Nelson 17657
1977	Nelson GP (NGP) 17674	Inverted	150	240	See Nelson 17674

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1978	Nelson GP (NGP) 17695	Vertical	143	240	See Nelson 17695
1979	Nelson GP (NGP) 17701	Horizontal	1044	240	See Nelson 17701
1980	Nelson GP (NGP) 17746	Vertical	107	240	See Nelson 17746
1981	Nelson GP (NGP) 17747	Horizontal	89	241	See Nelson 17747
1982	Nelson GP (NGP) 17749	Horizontal	97	241	See Nelson 17749
1983	Nelson GP (NGP) 17750	Horizontal	141	241	See Nelson 17750
1984	Nelson GP (NGP) 17765	Vertical	81	241	See Nelson 17765
1985	Nelson GP (NGP) 17898	Horizontal	46	241	See Nelson 17898
1986	Nelson GP (NGP) 17899	Horizontal	754	241	See Nelson 17899
1987	Nelson GP (NGP) 17973	Vertical	357	242	See Nelson 17973
1988	Nelson GP (NGP) 17974	Vertical	454	242	See Nelson 17974
1989	Nelson GP (NGP) 17998	Vertical	78	242	See Nelson 17998
1990	Nelson GP (NGP) 18012	Horizontal	94		See Nelson 18012
1991	Nelson GP (NGP) 18018	Vertical	455	242	See Nelson 18018
1992	Nelson GP (NGP) 18031	Inverted	110	242	See Nelson 18031
1993	Nelson GP (NGP) 18090	Horizontal	700	242	See Nelson 18090
1994	Nelson GP (NGP) 18289	Inverted	75	242	See Nelson 18289
1995	Nelson GP (NGP) 18433	Vertical	165	243	See Nelson 18433
1996	Nelson GP (NGP) 18493	Horizontal	94		See Nelson 18493
1997	Nelson GP (NGP) 18528	Horizontal	74	243	See Nelson 18528
1998	Nelson GP (NGP) 18613	Vertical	196	243	See Nelson 18613
1999	Nelson GP (NGP) 18631	Vertical	83	243	See Nelson 18631
2000	Nelson GP (NGP) 18642	Horizontal	576	243	See Nelson 18642
2001	Nelson GP (NGP) 18731	Horizontal	90	243	See Nelson 18731
2002	Nelson GP (NGP) 18753	Multiple	81	244	See Nelson 18753
2003	Nelson GP (NGP) 18798	Vertical	77	244	See Nelson 18798
2004	Nelson GP (NGP) 18875	Horizontal	77	244	See Nelson 18875
2005	Nelson GP (NGP) 18885	Vertical	50	244	See Nelson 18885
2006	Nelson GP (NGP) 19005	Vertical	213	244	See Nelson 19005
2007	Nelson GP (NGP) 19051	Vertical	225	244	See Nelson 19051
2008	Nelson GP (NGP) 19052	Vertical	225	244	See Nelson 19052
2009	Nelson GP (NGP) 19053	Vertical	225	244	See Nelson 19053
2010	Nelson GP (NGP) 19062	Horizontal	576	244	See Nelson 19062
2011	Nelson GP (NGP) 19068	Vertical	133	245	See Nelson 19068

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2012	Nelson GP (NGP) 19125	Vertical	350	245	See Nelson 19125
2013	Nelson GP (NGP) 19126	Vertical	238	245	See Nelson 19126
2014	Nelson GP (NGP) 19139	Vertical	93	245	See Nelson 19139
2015	Nelson GP (NGP) 19269	Vertical	225	245	See Nelson 19269
2016	Nelson GP (NGP) 19273	Vertical	300	245	See Nelson 19273
2017	Nelson GP (NGP) 19341	Horizontal	193	246	See Nelson 19341
2018	Nelson GP (NGP) 19382	Vertical	124	246	See Nelson 19382
2019	Nelson GP (NGP) 19383	Vertical	225	246	See Nelson 19383
2020	Nelson GP (NGP) 19453	Inverted	505	246	See Nelson 19453
2021	Nelson GP (NGP) 19578	Horizontal	198	246	See Nelson 19578
2022	Nelson GP (NGP) 19705	Vertical	213	246	See Nelson 19705
2023	Nelson GP (NGP) 19773	Vertical	243	247	See Nelson 19773
2024	Nelson GP (NGP) 19820	Horizontal	36	247	See Nelson 19820
2025	Nelson GP (NGP) 19822	Horizontal	38	247	See Nelson 19822
2026	Nelson GP (NGP) 19825	Horizontal	18	247	See Nelson 19825
2027	Nelson GP (NGP) 19826	Horizontal	28	247	See Nelson 19826
2028	Nelson GP (NGP) 19830	Vertical	345	247	See Nelson 19830
2029	Nelson GP (NGP) 19853	Vertical	405	248	See Nelson 19853
2030	Nelson GP (NGP) 19941	Horizontal	94	248	See Nelson 19941
2031	Nelson GP (NGP) 19973	Horizontal	45	248	See Nelson 19973
2032	Nelson GP (NGP) 19975	Horizontal	95	248	See Nelson 19975
2033	Nelson GP (NGP) 19976	Horizontal	125	248	See Nelson 19976
2034	Nelson GP (NGP) 19994	Vertical	94	248	See Nelson 19994
2035	Nelson GP (NGP) 20069	Horizontal	470	249	See Nelson 20069
2036	Nelson GP (NGP) 20072	Vertical	392	249	See Nelson 20072
2037	Nelson GP (NGP) 20147	Horizontal	78	249	See Nelson 20147
2038	Nelson GP (NGP) 20343	Horizontal	46	249	See Nelson 20343
2039	Nelson GP (NGP) 20490	Horizontal	23	249	See Nelson 20490
2040	Nelson GP (NGP) 20513	Horizontal	66	249	See Nelson 20513
2041	Nelson GP (NGP) 20519	Vertical	460	249	See Nelson 20519
2042	Nelson GP (NGP) 20539	Horizontal	207	250	See Nelson 20539
2043	Nelson GP (NGP) 20578	Multiple	30	250	See Nelson 20578
2044	Nelson GP (NGP) 20608	Vertical	160	250	See Nelson 20608
2045	Nelson GP (NGP) 20665	Horizontal	36	247	See Nelson 20665

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2046	Nelson GP (NGP) 20666	Horizontal	38	247	See Nelson 20666
2047	Nelson GP (NGP) 20687	Horizontal	33	250	See Nelson 20687
2048	Nelson GP (NGP) 20710	Vertical	252	251	See Nelson 20710
2049	Nelson GP (NGP) 20710	Horizontal	268	251	See Nelson 20710
2050	Nelson GP (NGP) 20788	Inverted	27	251	See Nelson 20788
2051	Nelson GP (NGP) 20952	Horizontal	111	251	See Nelson 20952
2052	Nelson GP (NGP) 20953	Vertical	166	251	See Nelson 20953
2053	Nelson GP (NGP) 20954	Horizontal	257	251	See Nelson 20954
2054	Nelson GP (NGP) 20965	Horizontal	108	252	See Nelson 20965
2055	Nelson GP (NGP) 20990	Horizontal	64	252	See Nelson 20990
2056	Nelson GP (NGP) 21079	Horizontal	40	252	See Nelson 21079
2057	Nelson GP (NGP) 21140	Horizontal	267		See Nelson 21140
2058	Nelson GP (NGP) 21161	Inverted	154	252	See Nelson 21161
2059	Nelson GP (NGP) 21278	Inverted	40	252	See Nelson 21278
2060	Nelson GP (NGP) 21279	Horizontal	49		See Nelson 21279
2061	Nelson GP (NGP) 21315	Horizontal	900	252	See Nelson 21315
2062	Nelson GP (NGP) 21341	Inverted	106		See Nelson 21341
2063	Nelson GP (NGP) 21422	Horizontal	40	252	See Nelson 21422
2064	Nelson GP (NGP) 21423	Inverted	44		See Nelson 21423
2065	Nelson GP (NGP) 21517	Vertical	245	253	See Nelson 21517
2066	Nelson GP (NGP) 21549	Horizontal	57		See Nelson 21549
2067	Nelson GP (NGP) 21616	Vertical	107	253	See Nelson 21616
2068	Nelson GP (NGP) 21645	Horizontal	40		See Nelson 21645
2069	Nelson GP (NGP) 21709	Horizontal	82	253	See Nelson 21709
2070	Nelson GP (NGP) 21721	Horizontal	36		See Nelson 21721
2071	Nelson GP (NGP) 21758	Horizontal	571	253	See Nelson 21758
2072	Nelson GP (NGP) 21800	Horizontal	128	253	See Nelson 21800
2073	Nelson GP (NGP) 21863	Vertical	255	253	See Nelson 21863
2074	Nelson GP (NGP) 21884	Vertical	178	253	See Nelson 21884
2075	Nelson GP (NGP) 21928	Horizontal	82	253	See Nelson 21928
2076	Nelson GP (NGP) 21950	Vertical	188	254	See Nelson 21950
2077	Nelson GP (NGP) 22157	Inverted	46	254	See Nelson 22157
2078	Nelson GP (NGP) 22255	Vertical	250	254	See Nelson 22255
2079	Nelson GP (NGP) 22389	Horizontal	67	254	See Nelson 22389

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2080	Nelson GP (NGP) 22416	Vertical	160	254	See Nelson 22416
2081	Nelson GP (NGP) 22506	Vertical	62	255	See Nelson 22506
2082	Nelson GP (NGP) 22627	Vertical	111	255	See Nelson 22627
2083	Nelson GP (NGP) 22671	Horizontal	84	255	See Nelson 22671
2084	Nelson GP (NGP) 22672	Horizontal	84	255	See Nelson 22672
2085	Nelson GP (NGP) 22737	Horizontal	44	255	See Nelson 22737
2086	Nelson GP (NGP) 22755	Horizontal	43	255	See Nelson 22755
2087	Nelson GP (NGP) 22777	Horizontal	40	255	See Nelson 22777
2088	Nelson GP (NGP) 22823	Horizontal	71	256	See Nelson 22823
2089	Nelson GP (NGP) 22836	Horizontal	36		See Nelson 22836
2090	Nelson GP (NGP) 22904	Inverted	36	256/247	See Nelson 22904
2091	Nelson GP (NGP) 22917	Horizontal	55	256	See Nelson 22917
2092	Nelson GP (NGP) 22992	Vertical	183	256	See Nelson 22992
2093	Nelson GP (NGP) 23069	Horizontal	28		See Nelson 23069
2094	Nelson GP (NGP) 23094	Vertical	124	256	See Nelson 23094
2095	Nelson GP (NGP) 23096	Vertical	206	256	See Nelson 23096
2096	Nelson GP (NGP) 23137	Vertical	64	257	See Nelson 23137
2097	Nelson GP (NGP) 23162	Inverted	106	257	See Nelson 23162
2098	Nelson GP (NGP) 23483	Horizontal	31		See Nelson 23483
2099	Nelson GP (NGP) 23643	Vertical	112	257	See Nelson 23643
2100	Nelson GP (NGP) 23697	Vertical	127	257	See Nelson 23697
2101	Nelson GP (NGP) 23718	Horizontal	64	258	See Nelson 23718
2102	Nelson GP (NGP) 23726	Horizontal	85		See Nelson 23726
2103	Nelson GP (NGP) 23727	Vertical	92		See Nelson 23727
2104	Nelson GP (NGP) 23746	Vertical	152	258	See Nelson 23746
2105	Nelson GP (NGP) 23843	Horizontal	32	258	See Nelson 23843
2106	Nelson GP (NGP) 23852	45° from inverted	148	258	See Nelson 23852
2107	Nelson GP (NGP) 23860	Horizontal	33	258	See Nelson 23860
2108	Nelson GP (NGP) 23893	Horizontal	228	258	See Nelson 23893
2109	Nelson GP (NGP) 23893	Horizontal	228		See Nelson 23893
2110	Nelson GP (NGP) 24035	Vertical	159	259	See Nelson 24035
2111	Nelson GP (NGP) 24083	Vertical	223	259	See Nelson 24083
2112	Nelson GP (NGP) 24148	Horizontal	1027	259	See Nelson 24148
2113	Nelson GP (NGP) 24180	Horizontal	281	260	See Nelson 24180

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2114	Nelson GP (NGP) 24304	Vertical	131	255	See Nelson 24304
2115	Nelson GP (NGP) 24379	Vertical	168	260	See Nelson 24379
2116	Nelson GP (NGP) 24459	Vertical	895	260	See Nelson 24459
2117	Nelson GP (NGP) 24707	Vertical	177	260	See Nelson 24707
2118	Nelson GP (NGP) 24710	Vertical	159	260	See Nelson 24710
2119	Nelson GP (NGP) 24711	Vertical	131	261	See Nelson 24711
2120	Nelson GP (NGP) 24745	Horizontal	121	261	See Nelson 24745
2121	Nelson GP (NGP) 24752	Vertical	168	261	See Nelson 24752
2122	Nelson GP (NGP) 24800	Vertical	117	261	See Nelson 24800
2123	Nelson GP (NGP) 24839	Vertical	242	261	See Nelson 24839
2124	Nelson GP (NGP) 24842	Vertical	280	262	See Nelson 24842
2125	Nelson GP (NGP) 24931	Horizontal	92	262	See Nelson 24931
2126	Nelson GP (NGP) 24953	Vertical	69	262	See Nelson 24953
2127	Nelson GP (NGP) 25007	Horizontal	52	262	See Nelson 25007
2128	Nelson GP (NGP) 25012	Vertical	135	262	See Nelson 25012
2129	Nelson GP (NGP) 25026	Vertical	231	263	See Nelson 25026
2130	Nelson GP (NGP) 25133	Vertical	894	263	See Nelson 25133
2131	Nelson GP (NGP) 25191	Inverted	38	263	See Nelson 25191
2132	Nelson GP (NGP) 25237	Horizontal	71	263	See Nelson 25237
2133	Nelson GP (NGP) 25640	Vertical	43	264	See Nelson 25640
2134	Nelson GP (NGP) 25766	Multiple	48	264	See Nelson 25766
2135	Nelson GP (NGP) 25771	Horizontal	160	264	See Nelson 25771
2136	Nelson GP (NGP) 25986	Horizontal	84	264	See Nelson 25986
2137	Nelson GP (NGP) 26147	Horizontal	113	264	See Nelson 26147
2138	Nelson GP (NGP) 26252	Vertical	234		See Nelson 26252
2139	Nelson GP (NGP) 26281	Horizontal	83		See Nelson 26281
2140	Nelson GP (NGP) 26294	Horizontal	80	265	See Nelson 26294
2141	Nelson GP (NGP) 26296	Horizontal	75	265	See Nelson 26296
2142	Nelson GP (NGP) 26359	Horizontal	101	265	See Nelson 26359
2143	Nelson GP (NGP) 26438	Horizontal	66	265	See Nelson 26438
2144	Nelson GP (NGP) 26454	Horizontal	88	265	See Nelson 26454
2145	Nelson GP (NGP) 26465	Horizontal	177	266	See Nelson 26465
2146	Nelson GP (NGP) 26503	Horizontal	46	266	See Nelson 26503
2147	Nelson GP (NGP) 26617	Horizontal	113	266	See Nelson 26617

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2148	Nelson GP (NGP) 26710	Horizontal	66		See Nelson 26710
2149	Nelson GP (NGP) 26749	Horizontal	69	266	See Nelson 26749
2150	Nelson GP (NGP) 26875	Horizontal	435	266	See Nelson 26875
2151	Nelson GP (NGP) 26876	Horizontal	1056	266	See Nelson 26876
2152	Nelson GP (NGP) 26897	Horizontal	63	267	See Nelson 26897
2153	Nelson GP (NGP) 27021	Horizontal	71	267	See Nelson 27021
2154	Nelson GP (NGP) 27021	Horizontal	71		See Nelson 27021
2155	Nelson GP (NGP) 27137	Horizontal	32	267	See Nelson 27137
2156	Nelson GP (NGP) 27173	Horizontal	234	267	See Nelson 27173
2157	Nelson GP (NGP) 27174	Horizontal	67	267	See Nelson 27174
2158	Nelson GP (NGP) 27196	Horizontal	79	267	See Nelson 27196
2159	Nelson GP (NGP) 27222	Horizontal	73	268	See Nelson 27222
2160	Nelson GP (NGP) 27258	Horizontal	72	268	See Nelson 27258
2161	Nelson GP (NGP) 27453	Horizontal	258	268	See Nelson 27453
2162	Nelson GP (NGP) 27475	Horizontal	218	268	See Nelson 27475
2163	Nelson GP (NGP) 27522	Horizontal	89	268	See Nelson 27522
2164	Nelson GP (NGP) 27692	Horizontal	254	269	See Nelson 27692
2165	Nelson GP (NGP) 27780	Horizontal	72	269	See Nelson 27780
2166	Nelson GP (NGP) 27890	Horizontal	67	269	See Nelson 27890
2167	Nelson GP (NGP) 27901	Horizontal	103	269	See Nelson 27901
2168	Nelson GP (NGP) 27906	Multiple	101	269	See Nelson 27906
2169	Nelson GP (NGP) 27906	Horizontal	166	269	See Nelson 27906
2170	Nelson GP (NGP) 28151	Horizontal	75	270	See Nelson 28151
2171	Nelson GP (NGP) 28186	Horizontal	130	270	See Nelson 28186
2172	Nelson GP (NGP) 28416	Multiple	30	270	See Nelson 28416
2173	Nelson GP (NGP) 28440	Horizontal	114	270	See Nelson 28440
2174	Nelson GP (NGP) 28457	Multiple	200	270	See Nelson 28457
2175	Nelson GP (NGP) 28457	Vertical	213	270	See Nelson 28457
2176	Nelson GP (NGP) 28472	Horizontal	75	271	See Nelson 28472
2177	Nelson GP (NGP) 28472	Horizontal	82	271	See Nelson 28472
2178	Nelson GP (NGP) 28602	Horizontal	66	271	See Nelson 28602
2179	Nelson GP (NGP) 28619	Horizontal	69	271	See Nelson 28619
2180	Nelson GP (NGP) 28878	Horizontal	48		See Nelson 28878
2181	Nelson GP (NGP) 29059	Horizontal	32		See Nelson 29059

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2182	Nelson GP (NGP) 29222	Horizontal	34	271	See Nelson 29222
2183	Nelson GP (NGP) 29222	Horizontal	71	271	See Nelson 29222
2184	Nelson GP (NGP) 29222	Horizontal	75	271	See Nelson 29222
2185	Nelson GP (NGP) 29222	Horizontal	79	271	See Nelson 29222
2186	Nelson GP (NGP) 29223	Horizontal	79	271	See Nelson 29223
2187	Nelson GP (NGP) 29304	Horizontal	71	271	See Nelson 29304
2188	Nelson GP (NGP) 29309	Horizontal	260		See Nelson 29309
2189	Nelson GP (NGP) 29385	Horizontal	236		See Nelson 29385
2190	Nelson GP (NGP) 29513	Horizontal	75		See Nelson 29513
2191	Nelson GP (NGP) 29514	Horizontal	114		See Nelson 29514
2192	Nelson GP (NGP) 29520	Horizontal	53	271	See Nelson 29520
2193	Nelson GP (NGP) 29550	Horizontal	123		See Nelson 29550
2194	Nelson GP (NGP) 29726	Horizontal	622	271	See Nelson 29726
2195	Nelson GP (NGP) 29738	Vertical	118		See Nelson 29738
2196	Nelson GP (NGP) 29798	Horizontal	155		See Nelson 29798
2197	Nelson GP (NGP) 29833	Multiple	188		See Nelson 29833
2198	Nelson GP (NGP) 30134	Vertical	298	272	See Nelson 30134
2199	Nelson GP (NGP) 30670	Vertical	352	272	See Nelson 30670
2200	Nelson GP (NGP) 35347	Multiple	81		See Nelson 35347
2201	Nelson GP (NGP) 38195	Vertical	104		See Nelson 38195
2202	Nelson GP (NGP) 38196	Horizontal	111		See Nelson 38196
2203	Nelson GP (NGP) 49013	Multiple	118	272	See Nelson 49013
2204	Nelson GP (NGP) 49017	Multiple	48	272	See Nelson 49017
2205	Nelson GP (NGP) 49019	Multiple	48	273	See Nelson 49019
2206	Nelson GP (NGP) 49020	Multiple	54	273	See Nelson 49020
2207	Nelson GP (NGP) 49021	Multiple	67	273	See Nelson 49021
2208	Nelson GP (NGP) 49022	Multiple	89	273	See Nelson 49022
2209	Nelson GP (NGP) 49024	Multiple	109	273	See Nelson 49024
2210	Nelson GP (NGP) 49024	Multiple	118	273	See Nelson 49024
2211	Nelson GP (NGP) 49025	Multiple	130	274	See Nelson 49025
2212	Nelson GP (NGP) 49025	Multiple	222	274	See Nelson 49025
2213	Nelson GP (NGP) 49025	Multiple	300	274	See Nelson 49025
2214	Nelson GP (NGP) 49026	Multiple	222	274	See Nelson 49026
2215	Nelson GP (NGP) 49028	Multiple	300	274	See Nelson 49028

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2216	Nelson GP (NGP) 49110	Horizontal	50	274	See Nelson 49110
2217	Nelson GP (NGP) 49110	Vertical	75	274	See Nelson 49110
2218	Nelson GP (NGP) 49114	Horizontal	99	274	See Nelson 49114
2219	Nelson GP (NGP) 49114	Vertical	105	274	See Nelson 49114
2220	Nelson GP (NGP) 49115	Vertical	24	274	See Nelson 49115
2221	Nelson GP (NGP) 49115	Horizontal	123	274	See Nelson 49115
2222	Nelson GP (NGP) 49115	Vertical	123	274	See Nelson 49115
2223	Nelson GP (NGP) 49115	Horizontal	124	274	See Nelson 49115
2224	Nelson GP (NGP) 49119	Horizontal	237	274	See Nelson 49119
2225	Nelson GP (NGP) 49119	Vertical	240	274	See Nelson 49119
2226	Nelson GP (NGP) 49120	Vertical	255	275	See Nelson 49120
2227	Nelson GP (NGP) 49120	Horizontal	260	275	See Nelson 49120
2228	Nelson GP (NGP) 49124	Vertical	302	275	See Nelson 49124
2229	Nelson GP (NGP) 49125	Vertical	344	275	See Nelson 49125
2230	Nelson GP (NGP) 49125	Horizontal	347	275	See Nelson 49125
2231	Nelson GP (NGP) 49130	Horizontal	655	275	See Nelson 49130
2232	Nelson GP (NGP) 49130	Vertical	663	275	See Nelson 49130
2233	Nelson GP (NGP) 49135	Vertical	830	275	See Nelson 49135
2234	Nelson GP (NGP) 49135	Horizontal	950	275	See Nelson 49135
2235	Nelson GP (NGP) 49140	Vertical	760	275	See Nelson 49140
2236	Nelson GP (NGP) 49140	Horizontal	920	275	See Nelson 49140
2237	Nelson GP (NGP) 49150	Horizontal	1275	276	See Nelson 49150
2238	Nelson GP (NGP) 49150	Vertical	1275	276	See Nelson 49150
2239	Nelson GP (NGP) 49160	Horizontal	2020	276	See Nelson 49160
2240	Nelson GP (NGP) 49160	Vertical	2040	276	See Nelson 49160
2241	Nelson GP (NGP) 200188	Horizontal	60		See Nelson 200188
2242	Nelson GP (NGP) 200192	Horizontal	273		See Nelson 200192
2243	Nelson GP (NGP) 200202	Horizontal	53		See Nelson 200202
2244	Nelson GP (NGP) 200266	Horizontal	114		See Nelson 200266
2245	Nelson GP (NGP) 200378	Horizontal	314		See Nelson 200378
2246	Nelson GP (NGP) 200395	Horizontal	144		See Nelson 200395
2247	Nelson GP (NGP) 200396	Horizontal	58		See Nelson 200396
2248	Nelson GP (NGP) 200761	Horizontal	86		See Nelson 200761
2249	Nelson GP (NGP) 200775	Horizontal	211		See Nelson 200775

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2250	Nelson GP (NGP) 200873	Horizontal	304		See Nelson 200873
2251	Nelson GP (NGP) 201042	Horizontal	168		See Nelson 201042
2252	Nelson GP (NGP) 201072	Horizontal	153	276	See Nelson 201072
2253	Nelson GP (NGP) 201073	Horizontal	718		See Nelson 201073
2254	Nelson GP (NGP) 201193	Horizontal	68		See Nelson 201193
2255	Nelson GP (NGP) 201327	Horizontal	49		See Nelson 201327
2256	Nelson GP (NGP) 201435	Horizontal	365	276	See Nelson 201435
2257	Nelson GP (NGP) 201487	Horizontal	167		See Nelson 201487
2258	Nelson GP (NGP) 201588	Horizontal	120	276	See Nelson 201588
2259	Nelson GP (NGP) 201775	Vertical	1033	276	See Nelson 201775
2260	Nelson GP (NGP) 201789	Inverted	70	277	See Nelson 201789
2261	Nelson GP (NGP) 201816	Vertical	172	277	See Nelson 201816
2262	Nelson GP (NGP) 201817	Vertical	172	277	See Nelson 201817
2263	Nelson GP (NGP) 201950	Horizontal	67		See Nelson 201950
2264	Nelson GP (NGP) 201952	Horizontal	155	277	See Nelson 201952
2265	Nelson GP (NGP) 201969	Horizontal	86		See Nelson 201969
2266	Nelson GP (NGP) 202689	Vertical Inlet			
2267		Horizontal	163	278	See Nelson 202689
2268	Nelson GP (NGP) 202876	Horizontal	106		See Nelson 202876
2269	Nelson GP (NGP) 202958	Horizontal Inlet			
2270		& Body	113	278	See Nelson 202958
2271	Nelson GP (NGP) 412157	Horizontal	48		See Nelson 412157
2272	Nelson GP (NGP) 613313	Multiple	60	278	See Nelson 613313
2273	Nelson GP (NGP) 614338	Multiple	87	278	See Nelson 614338
2274	Nelson GP (NGP) 1661242	Horizontal	48		See Nelson 1661242
2275	Nelson GP (NGP) 1723507	Horizontal	325		See Nelson 1723507
2276	Nelson GP (NGP) 1922614	Vertical	166		See Nelson 1922614
2277	Nelson GP (NGP) 2029716	Horizontal	25		See Nelson 2029716
2278	Nelson GP (NGP) 15064A	Vertical	244		See Nelson 15064A
2279	Nelson GP (NGP) 155-3314	Horizontal	82		See Nelson 155-3314
2280	Nelson GP (NGP) 16506A	Vertical	258	234	See Nelson 16506A
2281	Nelson GP (NGP) 16507A	Vertical	440	234	See Nelson 16507A
2282	Nelson GP (NGP) 16990A	Vertical	100	237	See Nelson 16990A
2283	Nelson GP (NGP) 17622C	Horizontal	89	240	See Nelson 17622C

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2284	Nelson GP (NGP) 18528A	Horizontal	70	243	See Nelson 18528A
2285	Nelson GP (NGP) 20578B	Multiple	30		See Nelson 20578B
2286	Nelson GP (NGP) 20892A	Horizontal	48	247	See Nelson 20892A
2287	Nelson GP (NGP) 20892B	Horizontal	48	247	See Nelson 20892B
2288	Nelson GP (NGP) 20990B	Horizontal	64	252	See Nelson 20990B
2289	Nelson GP (NGP) 21423B	Horizontal	44		See Nelson 21423B
2290	Nelson GP (NGP) 217-8513 (M070470)	Multiple	109		See Nelson 217-8513 (M070470)
2291	Nelson GP (NGP) 21800A	Horizontal	128	253	See Nelson 21800A
2292	Nelson GP (NGP) 21800C	Horizontal	128	253	See Nelson 21800C
2293	Nelson GP (NGP) 21950B	Vertical	188	254	See Nelson 21950B
2294	Nelson GP (NGP) 22171B	Horizontal	54	254	See Nelson 22171B
2295	Nelson GP (NGP) 22506A	Vertical	62	255	See Nelson 22506A
2296	Nelson GP (NGP) 22801A	Horizontal	54		See Nelson 22801A
2297	Nelson GP (NGP) 22807A	Vertical	405	255	See Nelson 22807A
2298	Nelson GP (NGP) 22992A	Horizontal	205	256	See Nelson 22992A
2299	Nelson GP (NGP) 23259A	Multiple	30	250	See Nelson 23259A
2300	Nelson GP (NGP) 23511A	Vertical	87	257	See Nelson 23511A
2301	Nelson GP (NGP) 23516A	Multiple	30		See Nelson 23516A
2302	Nelson GP (NGP) 24108A	Multiple	30		See Nelson 24108A
2303	Nelson GP (NGP) 24756N	Horizontal	49		See Nelson 24756N
2304	Nelson GP (NGP) 24866B	Inverted	25	262	See Nelson 24866B
2305	Nelson GP (NGP) 25239A	Horizontal	118	263	See Nelson 25239A
2306	Nelson GP (NGP) 25602A	Horizontal	36	263	See Nelson 25602A
2307	Nelson GP (NGP) 25868N	Horizontal	47	264	See Nelson 25868N
2308	Nelson GP (NGP) 26054A	Horizontal	48		See Nelson 26054A
2309	Nelson GP (NGP) 26201A	Horizontal	105	265	See Nelson 26201A
2310	Nelson GP (NGP) 26710N	Horizontal	77		See Nelson 26710N
2311	Nelson GP (NGP) 27196A	Horizontal	63	267	See Nelson 27196A
2312	Nelson GP (NGP) 27404A	Horizontal	484	268	See Nelson 27404A
2313	Nelson GP (NGP) 27453A	Horizontal	234	268	See Nelson 27453A
2314	Nelson GP (NGP) 27543A	Horizontal	262	268	See Nelson 27543A
2315	Nelson GP (NGP) 28057N	Horizontal	737	269	See Nelson 28057N
2316	Nelson GP (NGP) 28061N	Horizontal	560	270	See Nelson 28061N
2317	Nelson GP (NGP) 28070N	Horizontal	608	270	See Nelson 28070N

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2318	Nelson GP (NGP) 28478A	Horizontal	41	271	See Nelson 28478A
2319	Nelson GP (NGP) 28478A	Horizontal	260	271	See Nelson 28478A
2320	Nelson GP (NGP) 28478A	Horizontal	260	271	See Nelson 28478A
2321	Nelson GP (NGP) 28479A	Horizontal	33	271	See Nelson 28479A
2322	Nelson GP (NGP) 28479A	Horizontal	236	271	See Nelson 28479A
2323	Nelson GP (NGP) 28664 (large)	Multiple	222		See Nelson 28664 (large)
2324	Nelson GP (NGP) 28664 (small)	Horizontal	25		See Nelson 28664 (small)
2325	Nelson GP (NGP) 29058A	Horizontal	76		See Nelson 29058A
2326	Nelson GP (NGP) 29397 (large)	Horizontal	48		See Nelson 29397 (large)
2327	Nelson GP (NGP) 29397 (small)	Horizontal	41		See Nelson 29397 (small)
2328	Nelson GP (NGP) 29465 (large)	Horizontal	123		See Nelson 29465 (large)
2329	Nelson GP (NGP) 29465 (small)	Horizontal	33		See Nelson 29465 (small)
2330	Nelson GP (NGP) 29466 (large)	Vertical	118		See Nelson 29466 (large)
2331	Nelson GP (NGP) 29466 (small)	Horizontal	30		See Nelson 29466 (small)
2332	Nelson GP (NGP) 340SA	Multiple	167		See Nelson 340SA
2333	Nelson GP (NGP) 373393A1	Horizontal	53		See Nelson 373393A1
2334	Nelson GP (NGP) 49022G	Multiple	95	273	See Nelson 49022G
2335	Nelson GP (NGP) 49024 (large)	Multiple	131	273	See Nelson 49024 (large)
2336	Nelson GP (NGP) 49024 (small)	Horizontal	79	273	See Nelson 49024 (small)
2337	Nelson GP (NGP) 49115C	Vertical &			
2338		Horizontal	124	274	See Nelson 49115C
2339	Nelson GP (NGP) 49120F	Vertical	255	275	See Nelson 49120F
2340	Nelson GP (NGP) 49120F	Horizontal	260	275	See Nelson 49120F
2341	Nelson GP (NGP) 49150U	Horizontal &			
2342		Vertical	1275	276	See Nelson 49150U
2343	Nelson GP (NGP) 49150U	Vertical	1275	276	See Nelson 49150U
2344	Nelson GP (NGP) C4423	Vertical	213		See Nelson C4423
2345	Nelson GP (NGP) 200378	Horizontal	314		See Nelson 200378
2346	Nelson GP (NGP) 200865	Horizontal	591		See Nelson 200865
2347	Nelson GP (NGP) 201063	Horizontal	200		See Nelson 201063
2348	Nelson GP (NGP) 201140	Horizontal	113		See Nelson 201140
2349	Nelson GP (NGP) 201200	Horizontal	555		See Nelson 201200
2350	Nelson GP (NGP) 201215	Horizontal	236		See Nelson 201215
2351	Nelson GP (NGP) 201237	Horizontal	248		See Nelson 201237

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2352	Nelson GP (NGP) 201305	Horizontal	266		See Nelson 201305
2353	Nelson GP (NGP) 28533	Horizontal	325		See Nelson 28533
2354	Nelson GP (NGP) 28563	Horizontal	48		See Nelson 28563
2355	Nelson GP (NGP) 28653	Horizontal	48		See Nelson 28653
2356	Nelson GP (NGP) 28878	Horizontal	48		See Nelson 28878
2357	Nelson GP (NGP) 28888A	Horizontal	50		See Nelson 28888A
2358	Nelson GP (NGP) 29385	Multiple	28		See Nelson 29385
2359	Nelson GP (NGP) 29725	Horizontal	66		See Nelson 29725
2360	Nelson GP (NGP) 49025	Horizontal	151	274	See Nelson 49025
2361	Nelson GP (NGP) 49028	Multiple	185	274	See Nelson 49028
2362	Nelson GP (NGP) 49028	Multiple	200	274	See Nelson 49028
2363	Nelson GP (NGP) 49030	Multiple	130	274	See Nelson 49030
2364	Nelson GP (NGP) 49030	Horizontal	169	274	See Nelson 49030
2365	Nelson GP (NGP) 615351	Multiple	125		See Nelson 615351
2366	Nelson GP (NGP) Q617678	Multiple	46	281	See Nelson Q617678
2367	Nelson GP (NGP) Q613817	Horizontal	69		See Nelson Q613817
2368	Nelson GP (NGP) Q613817	Multiple	109		See Nelson Q613817
2369	Nelson GP (NGP) Q614338	Multiple	101	281	See Nelson Q614338
2370	Nelson GP (NGP) Q614338	Multiple	163	281	See Nelson Q614338
2371	Nelson GP (NGP) Q617409	Multiple	30		See Nelson Q617409
2372	Nelson GP (NGP) Q617409	Multiple	115		See Nelson Q617409
2373	Nelson GP (NGP) Q617409	Horizontal	236		See Nelson Q617409
2374	Nelson GP (NGP) Q617419	Multiple	222		See Nelson Q617419
2375	Nelson GP (NGP) Q617419	Horizontal	325		See Nelson Q617419
2376	Nelson GP (NGP) RSA20100	Horizontal	114		See Nelson RSA20100
2377	Nelson GP (NGP) RSA20125	Horizontal	32		See Nelson RSA20125
2378	Nelson GP (NGP) RSA20125	Multiple	185		See Nelson RSA20125
2379	Nelson GP (NGP) S3000	Multiple	115		See Nelson S3000
2380	Nelson GP (NGP) SA-001 (large)	Multiple	109		See Nelson SA-001 (large)
2381	Nelson GP (NGP) SA-001 (small)	Horizontal	71		See Nelson SA-001 (small)
2382	Nelson GP (NGP) SX1	Multiple	28		See Nelson SX1
2383	Nelson GP (NGP) T10093	Horizontal	20	285	See Nelson T10093
2384	Nelson GP (NGP) T10115	Vertical	227	285	See Nelson T10115
2385	Nelson GP (NGP) T10115	Horizontal	232	285	See Nelson T10115

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2386	Nelson GP (NGP) T10126	Vertical	122	285	See Nelson T10126
2387	Nelson GP (NGP) T10213	Horizontal	213	285	See Nelson T10213
2388	Nelson GP (NGP) T10214	Horizontal	348	285	See Nelson T10214
2389	Nelson GP (NGP) T10215	Horizontal	394	285	See Nelson T10215
2390	Nelson GP (NGP) T10244	Horizontal	520	286	See Nelson T10244
2391	Nelson GP (NGP) T10291	Horizontal	33	286	See Nelson T10291
2392	Nelson GP (NGP) T10374	Vertical	176	286	See Nelson T10374
2394	Nelson GP (NGP) T10409	Horizontal	21	286	See Nelson T10409
2395	Nelson GP (NGP) T10705	Horizontal	24	286	See Nelson T10705
2396	Nelson GP (NGP) T10792	Horizontal	67	286	See Nelson T10792
2397	Nelson GP (NGP) T10860	Horizontal	100	287	See Nelson T10860
2398	Nelson GP (NGP) T10895	Horizontal	18	287	See Nelson T10895
2399	Nelson GP (NGP) T10897	Vertical	112	287	See Nelson T10897
2400	Nelson GP (NGP) T10898	Horizontal	20	287	See Nelson T10898
2401	Nelson GP (NGP) T10956	Inverted	808	287	See Nelson T10956
2402	Nelson GP (NGP) T10968	Vertical	148	287	See Nelson T10968
2403	Nelson GP (NGP) T11068C	Inverted	47	287	See Nelson T11068C
2404	Nelson GP (NGP) T11145	Vertical	382	288	See Nelson T11145
2405	Nelson GP (NGP) T11159	Inverted	24	287	See Nelson T11159
2406	Nelson GP (NGP) T11336	Horizontal	239	288	See Nelson T11336
2407	Nelson GP (NGP) T11337	Vertical	308	288	See Nelson T11337
2408	Nelson GP (NGP) T11424	Inverted	63	288	See Nelson T11424
2409	Nelson GP (NGP) T11601C	Horizontal	26	288	See Nelson T11601C
2420	Nelson GP (NGP) T11606	Horizontal	43	288	See Nelson T11606
2421	Nelson GP (NGP) T11668	Vertical	164	289	See Nelson T11668
2422	Nelson GP (NGP) T11708	Vertical	31	289	See Nelson T11708
2423	Nelson GP (NGP) T11730H	Horizontal	13	289	See Nelson T11730H
2424	Nelson GP (NGP) T11842	Inverted	808	289	See Nelson T11842
2425	Nelson GP (NGP) T11915	Horizontal	30	289	See Nelson T11915
2426	Nelson GP (NGP) T11927	Horizontal	324	289	See Nelson T11927
2427	Nelson GP (NGP) T11976	Vertical	125	290	See Nelson T11976
2428	Nelson GP (NGP) T12499	Horizontal	505	290	See Nelson T12499
2429	Nelson GP (NGP) T12502	Vertical	227	290	See Nelson T12502
2430	Nelson GP (NGP) T12502	Horizontal	232	290	See Nelson T12502

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2431	Nelson GP (NGP) T12760B	Inverted	21	290	See Nelson T12760B
2432	Nelson GP (NGP) T12761	Inverted	38	290	See Nelson T12761
2433	Nelson GP (NGP) T12818	Vertical	305	290	See Nelson T12818
2434	Nelson GP (NGP) T12825F	Inverted	28	291	See Nelson T12825F
2435	Nelson GP (NGP) T12863	Horizontal	92	291	See Nelson T12863
2436	Nelson GP (NGP) T13109	Horizontal	210	291	See Nelson T13109
2437	Nelson GP (NGP) T13265	Inverted	23	291	See Nelson T13265
2437	Nelson GP (NGP) T13300	Horizontal	11	291	See Nelson T13300
2439	Nelson GP (NGP) T13304	Horizontal	50	291	See Nelson T13304
2440	Nelson GP (NGP) T13376	Horizontal	50	292	See Nelson T13376
2441	Nelson GP (NGP) T13473	Horizontal	180	292	See Nelson T13473
2442	Nelson GP (NGP) T13502	Horizontal	640	292	See Nelson T13502
2443	Nelson GP (NGP) T13529	Horizontal	69	292	See Nelson T13529
2444	Nelson GP (NGP) T13559	Horizontal	17	292	See Nelson T13559
2445	Nelson GP (NGP) T13572	Inverted	18	292	See Nelson T13572
2446	Nelson GP (NGP) T13651	Vertical	485	293	See Nelson T13651
2447	Nelson GP (NGP) T13716	Vertical	425	293	See Nelson T13716
2448	Nelson GP (NGP) T13846	Vertical	176	293	See Nelson T13846
2449	Nelson GP (NGP) T13919	Vertical	216	293	See Nelson T13919
2450	Nelson GP (NGP) T13933	Inverted	93	293	See Nelson T13933
2451	Nelson GP (NGP) T13934	Vertical	206	293	See Nelson T13934
2452	Nelson GP (NGP) T13935	Vertical	219	294	See Nelson T13935
2452	Nelson GP (NGP) T13940	Inverted	125	294	See Nelson T13940
2454	Nelson GP (NGP) T13944	Horizontal	33	294	See Nelson T13944
2455	Nelson GP (NGP) T13977	Vertical	205	294	See Nelson T13977
2456	Nelson GP (NGP) T13978	Vertical	166	294	See Nelson T13978
2457	Nelson GP (NGP) T13979	Vertical	166	294	See Nelson T13979
2458	Nelson GP (NGP) T13994	Inverted	213	295	See Nelson T13994
2459	Nelson GP (NGP) T13995	Vertical	382	295	See Nelson T13995
2460	Nelson GP (NGP) T13995	Horizontal	388	295	See Nelson T13995
2461	Nelson GP (NGP) T13999	Inverted	30	295	See Nelson T13999
2462	Nelson GP (NGP) T14000	Inverted	42	295	See Nelson T14000
2463	Nelson GP (NGP) T14002	Horizontal	11	295	See Nelson T14002
2464	Nelson GP (NGP) T14005	Vertical	380	295	See Nelson T14005

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2465	Nelson GP (NGP) T14066	Vertical	204	296	See Nelson T14066
2466	Nelson GP (NGP) T14066	Horizontal	208	296	See Nelson T14066
2467	Nelson GP (NGP) T14090	Horizontal	59	296	See Nelson T14090
2468	Nelson GP (NGP) T14099	Inverted	178	296	See Nelson T14099
2469	Nelson GP (NGP) T14105	Horizontal	169	296	See Nelson T14105
2470	Nelson GP (NGP) T14106	Horizontal	69	296	See Nelson T14106
2471	Nelson GP (NGP) T14110B	Vertical	421	296	See Nelson T14110B
2472	Nelson GP (NGP) T14116	Horizontal	51	297	See Nelson T14116
2473	Nelson GP (NGP) T14123	Horizontal	99	297	See Nelson T14123
2474	Nelson GP (NGP) T14125	Inverted	50	297	See Nelson T14125
2475	Nelson GP (NGP) T14214	Horizontal	153		See Nelson T14214
2476	Nelson GP (NGP) T14217	Horizontal	183	297	See Nelson T14217
2477	Nelson GP (NGP) T14219	Vertical	300	297	See Nelson T14219
2478	Nelson GP (NGP) T14220	Vertical	683	297	See Nelson T14220
2479	Nelson GP (NGP) T14222	Vertical	225	297	See Nelson T14222
2480	Nelson GP (NGP) T14223	Horizontal	150	297	See Nelson T14223
2481	Nelson GP (NGP) T14223	Vertical	160	297	See Nelson T14223
2482	Nelson GP (NGP) T14224	Vertical	170	297	See Nelson T14224
2483	Nelson GP (NGP) T14315	Inverted	68	297	See Nelson T14315
2484	Nelson GP (NGP) T14316	Horizontal	74	297	See Nelson T14316
2485	Nelson GP (NGP) T14321	Inverted	25	297	See Nelson T14321
2486	Nelson GP (NGP) T14327	Vertical	505		See Nelson T14327
2487	Nelson GP (NGP) T14334	Horizontal	543	298	See Nelson T14334
2488	Nelson GP (NGP) T14334	Vertical	561	298	See Nelson T14334
2489	Nelson GP (NGP) T14382	Horizontal	520	299	See Nelson T14382
2490	Nelson GP (NGP) T14390	Vertical	111	299	See Nelson T14390
2491	Nelson GP (NGP) T14402	Horizontal	147	299	See Nelson T14402
2492	Nelson GP (NGP) T14403	Horizontal	155	299	See Nelson T14403
2493	Nelson GP (NGP) T14406	Horizontal	69	299	See Nelson T14406
2494	Nelson GP (NGP) T14415	Vertical	205	299	See Nelson T14415
2495	Nelson GP (NGP) T14425	Horizontal	99	299	See Nelson T14425
2496	Nelson GP (NGP) T14529	Vertical	275	300	See Nelson T14529
2497	Nelson GP (NGP) T14630	Horizontal	240	300	See Nelson T14630
2498	Nelson GP (NGP) T14631	Vertical	315	300	See Nelson T14631

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2499	Nelson GP (NGP) T14671	Horizontal	147	300	See Nelson T14671
2500	Nelson GP (NGP) T14688	Horizontal	75	300	See Nelson T14688
2501	Nelson GP (NGP) T14754	Horizontal	261	300	See Nelson T14754
2502	Nelson GP (NGP) T14816	Horizontal	210	301	See Nelson T14816
2503	Nelson GP (NGP) T14853	Inverted	69	301	See Nelson T14853
2504	Nelson GP (NGP) T14907	Vertical	209	301	See Nelson T14907
2505	Nelson GP (NGP) T15077	Inverted	47	301	See Nelson T15077
2506	Nelson GP (NGP) T15078	Horizontal	48	301	See Nelson T15078
2507	Nelson GP (NGP) T15079	Horizontal	57	301	See Nelson T15079
2508	Nelson GP (NGP) T15080	Horizontal	67	302	See Nelson T15080
2509	Nelson GP (NGP) T15215	Horizontal	136	302	See Nelson T15215
2510	Nelson GP (NGP) T15341	Horizontal	92	302	See Nelson T15341
2511	Nelson GP (NGP) T15611	Horizontal	65	302	See Nelson T15611
2512	Nelson GP (NGP) T15688	Horizontal	513	302	See Nelson T15688
2513	Nelson GP (NGP) T15689	Horizontal	618	302	See Nelson T15689
2514	Nelson GP (NGP) T401	Multiple	300		See Nelson T401
2515	Nelson GP (NGP) T6277	Vertical	154		See Nelson T6277
2516	Nelson GP (NGP) T7033	Vertical	250		See Nelson T7033
2517	Nelson GP (NGP) T7359	Vertical	245		See Nelson T7359
2518	Nelson GP (NGP) T7515	Vertical	335		See Nelson T7515
2519	Nelson GP (NGP) T8680	Vertical	262		See Nelson T8680
2520	Nelson GP (NGP) T8714	Horizontal	417		See Nelson T8714
2521	Nelson GP (NGP) T8714	Vertical	429		See Nelson T8714
2522	Nelson GP (NGP) T9098	Horizontal	141		See Nelson T9098
2523	Nelson GP (NGP) T9099	Horizontal	194		See Nelson T9099
2524	Nelson GP (NGP) T9099	Vertical	196		See Nelson T9099
2525	Nelson GP (NGP) T9213	Vertical	204		See Nelson T9213
2526	Nelson GP (NGP) T9213	Horizontal	208		See Nelson T9213
2527	Nelson GP (NGP) T9219	Vertical	164		See Nelson T9219
2528	Nelson GP (NGP) T9220	Vertical	170		See Nelson T9220
2529	Nelson GP (NGP) T9304	Vertical	438		See Nelson T9304
2530	Nelson GP (NGP) T9356	Vertical	450		See Nelson T9356
2531	Nelson GP (NGP) T9356	Horizontal	474		See Nelson T9356
2532	Nelson GP (NGP) T9370	Vertical	198		See Nelson T9370

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2533	Nelson GP (NGP) T9457	Horizontal	50		See Nelson T9457
2534	Nelson GP (NGP) T9458	Horizontal	50		See Nelson T9458
2535	Nelson GP (NGP) T9460	Horizontal	37		See Nelson T9460
2536	Nelson GP (NGP) T9489	Inverted	76		See Nelson T9489
2537	Nelson GP (NGP) T9605	Vertical	146		See Nelson T9605
2538	Nelson GP (NGP) T9605	Horizontal	148		See Nelson T9605
2539	Nelson GP (NGP) T9932	Horizontal	415		See Nelson T9932
2540	Nelson GP (NGP) T9932	Vertical	426		See Nelson T9932
2541	Nelson GP (NGP) T9995	Vertical	31		See Nelson T9995
2542	Nelson GP (NGP) TC4 C400	Horizontal	66		See Nelson TC4 C400
2543	Nelson GP (NGP) TC4-5000	Horizontal	31		See Nelson TC4-5000
2544	Nelson GP (NGP) YMS660	Horizontal	75		See Nelson YMS660
2545	Nelson GP (NGP) YMS660A	Horizontal	114		See Nelson YMS660A
2546	Nelson GP (NGP) 202958	Horizontal	113		See Nelson 202958
2547	Nelson GP (NGP) NGPA034E971	Horizontal	203		~
2548	Nelson GP Burgess 20965	Horizontal	108	303	See Nelson-Burgess 20965
2549	Nelson GP Burgess 39616	Horizontal	323	304	See Nelson-Burgess 39616
2550	Nelson GP Burgess 17AE07	Vertical	213	303	See Nelson-Burgess 17AE07
2551	Nelson GP Burgess 17AE08	Vertical	227	303	See Nelson-Burgess 17AE08
2552	Nelson GP Burgess 17AE10	Vertical	219	303	See Nelson-Burgess 17AE10
2553	Nelson GP Burgess 17AE12	Vertical	226	303	See Nelson-Burgess 17AE12
2554	Nelson GP Burgess 17AE14	Vertical	258	303	See Nelson-Burgess 17AE14
2555	Nelson-Burgess 20965	Horizontal	108	303	Horizontal inlet & outlet
2556	Nelson-Burgess 39616	Horizontal	323	304	~
2557	Nelson-Burgess 17AE07	Vertical	213	303	Also identified as 10420A
2558	Nelson-Burgess 17AE08	Vertical	227	303	Also identified as 10250A
2559	Nelson-Burgess 17AE10	Vertical	219	303	Also identified as 10255A
2560	Nelson-Burgess 17AE12	Vertical	226	303	Also identified as 10415A
2561	Nelson-Burgess 17AE14	Vertical	258	303	Also identified as 10421A
2562	O & R 76	Multiple	16	304	Screen; 2-cycle 1 hp or smaller
2563	Onan AA0680000YXL	Multiple	30		4 hp; 4 stroke cycle diesel. See also Nelson 20578
2564	Onan 1551254	Horizontal	92	304	See Nelson T-12863
2565	Onan 1551258	Inverted	28	304	See Nelson T-12825F
2566	Onan 1551485	Inverted	69	305	See Nelson T-14853

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2567	Onan	1551520	Inverted	42	305	See Nelson 15893
2568	Onan	1551698	Vertical	75	305	See Nelson 16752
2569	Onan	1552047	Horizontal	38	305	See Nelson 19822
2570	Onan	1552048	Horizontal	36	305	See Nelson 19820
2571	Onan	1552065	Horizontal	49	305	See Nelson 21279
2572	Onan	1552085	Horizontal	36		See Nelson 20665
2573	Onan	1552086	Horizontal	38		See Nelson 20666
2574	Onan	1552098	Horizontal	66	306	See Nelson 20513
2575	Onan	1552186	Multiple	30	306	Screen; 4-cycle; 4 hp or smaller; Nelson 20578
2576	Onan	1552262	Horizontal	82	306	See Nelson 21709
2577	Onan	1552416	Horizontal	54	306	~
2578	Onan	1552514	Multiple	30		Screen; 4-cycle; 4hp or smaller; Nelson 23295A
2579	Onan	1552783	Inverted	25	306	Body horizontal
2580	Onan	1552885	Vertical	43	306	See Nelson 25640
2581	Onan	1552951	Horizontal	71	306	See Nelson 25191
2582	Onan	1553110	Horizontal	46	306	~
2583	Onan	1553151	Horizontal	63		See Nelson 26897
2584	Onan	1553314	Multiple	30		4 hp; 4 stroke cycle diesel. See also Nelson 20578
2585	Ontario Drive & Gear Ltd 607-171		Multiple	125	307	Screen Type
2586	Pacific Pumper					SEE WAJAX-PACIFIC ~
2587	Performance Industries Group P.I.G. 1		Multiple	200	307	Screen type
2588	Performance Specialties 29385		Horizontal	417		Disc type for 660 cc or smaller engine.
2589	Phillips & Temro	MDSA-125	Horizontal inlet	136	307	~
2590	Phillips & Temro	MDSA-20	Vertical inlet	243	307	~
2591	Phillips & Temro	SSUE-02	Horizontal	254	308	See comments
2592	Phillips & Temro	SSUE-02	Vertical	270	308	See comments
2593	Phillips & Temro	MDSA-25	Veritcal Body	272		~
2594	PKM II Special purpose			38		For use on 7 hp; 4-cycle engine-driven generator only
2595	Polaris	121906	Horizontal	97		See Polaris 1261700
2596	Polaris	0452041	Multiple	66	308	Screen type
2597	Polaris	0452317	Multiple	66	308	Screen type
2598	Polaris	0453360	Multiple	50	308	Screen Type
2599	Polaris	453503	Multiple	17	309	Screen Type
2600	Polaris	454262	Multiple	50		Screen Type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2601	Polaris	454698	Multiple	17		See Model No. 0453503
2602	Polaris	1206702	Horizontal	44	309	Modified Polaris 1260588
2603	Polaris	1206741	Horizontal	75	309	See Polaris 1260535
2604	Polaris	1260510	Horizontal	41	309	~
2605	Polaris	1260520	Horizontal	65	309	~
2606	Polaris	1260535	Horizontal	75	309	~
2607	Polaris	1260544	Horizontal	75	309	Modified Polaris 1260535
2608	Polaris	1260576	Horizontal	75	309	Modified Polaris 1260535
2609	Polaris	1260588	Horizontal	44	309	~
2610	Polaris	1260616	Horizontal	44		Modified Polaris 1260588
2611	Polaris	1260629	Horizontal	61	309	~
2612	Polaris	1260702	Horizontal	44	309	Modified Polaris 1260588
2613	Polaris	1260715	Horizontal	55	309	~
2614	Polaris	1260741	Horizontal	75	309	See Polaris 1260535
2615	Polaris	1260742	Horizontal	61	310	See Polaris 1260629
2616	Polaris	1260745	Horizontal	85	310	~
2617	Polaris	1260807	Horizontal	55	310	~
2618	Polaris	1260843	Horizontal	55	310	~
2619	Polaris	1260869	Horizontal	73	310	~
2620	Polaris	1260884	Horizontal	100	310	~
2621	Polaris	1260891	Horizontal	73	310	~
2622	Polaris	1260894	Horizontal	73	310	See Polaris 1260891
2623	Polaris	1260903	Horizontal	73	311	See Polaris 1260869
2624	Polaris	1260903	Horizontal	74	311	See Polaris 1260869
2625	Polaris	1260910	Horizontal	75	311	See Polaris 1260535
2626	Polaris	1260930	Horizontal	73	311	~
2627	Polaris	1260961	Horizontal	73	311	Also see 1260977
2628	Polaris	1260968	Horizontal	73	311	~
2629	Polaris	1260977	Horizontal	73	311	~
2630	Polaris	1260989	Horizontal	55	311	See also 1260715
2631	Polaris	1261006	Horizontal	74	311	~
2632	Polaris	1261022	Horizontal	75		~
2633	Polaris	1261042	Horizontal	55	312	See Polaris 1260715
2634	Polaris	1261182	Horizontal	73	312	See Polaris 1260891

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2635	Polaris	1261298	Horizontal	104	312	~
2636	Polaris	1261402	Horizontal	73	312	See Polaris 1260891
2637	Polaris	1261413	Multiple	190	312	Screen type
2638	Polaris	1261449	Horizontal	160	313	~
2639	Polaris	1261559	Horizontal	160	313	See also Polaris 1261449 (Previously qualified)
2640	Polaris	1261579	Horizontal	160	314	See also Polaris 1261449 (Previously qualified)
2641	Polaris	1261600	Multiple	190	314	Screen type
2642	Polaris	1261605	Multiple	75	315	Screen Type
2643	Polaris	1261611	Horizontal	87	315	~
2644	Polaris	1261687	Multiple	75	316	Scree Type
2645	Polaris	1261695	Multiple	75	316	Screen Type
2646	Polaris	1261700	Horizontal	97	316	~
2647	Polaris	1261709	Multiple	87	316	See Model 1261611
2648	Polaris	1261780	Horizontal	157	316	~
2649	Polaris	1261782	Horizontal	87	317	General Purpose Type
2650	Polaris	1261799	Horizontal	160	317	~
2651	Polaris	1261848	Horizontal	160		~
2652	Polaris	1261904	Horizontal	137	318	~
2653	Polaris	1261905	Horizontal	87	318	See also Polaris 1261611
2654	Polaris	1261906	Horizontal	97	318	See Polaris 1261700
2655	Polaris	1261909	Horizontal	73	318	See Polaris 1261402
2656	Polaris	1261911	Multiple	176	318	Screen Type
2657	Polaris	1261917	Multiple	212	312	See Polaris 1261270
2658	Polaris	1261925	Horizontal	87	318	See also Polaris 1261611
2659	Polaris	1261926	Horizontal	97	318	See also Polaris 1261700
2660	Polaris	1261957	Multiple	223	319	Screen Type
2661	Polaris	1261986	Horizontal	157	319	See Polaris 1261780
2662	Polaris	1261989	Horizontal	137	319	See Polaris 1261904
2663	Polaris	1262003	Horizontal	80	319	~
2664	Polaris	1262047	Horizontal	102	320	~
2665	Polaris	1262088	Horizontal	157	320	See Polaris 1261780
2666	Polaris	1262089	Horizontal	137	320	See Polaris 1261904
2667	Polaris	1262115	Horizontal	95		~
2668	Polaris	12605355	Horizontal	75		Modified Polaris 1260535

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2669	Polaris	C4289	Horizontal	55		See Polaris 1260715
2670	Polaris	C6580	Horizontal	55		See Polaris 1260715
2671	Polaris	DMC A1	Horizontal	55		See Polaris 1260715
2672	Polaris	EG-122	Horizontal	73		Also see 1260977
2673	Polaris	1261079	Horizontal	55		See Polaris 1260715
2674	Polaris	1261082	Horizontal	55		See Polaris 1260715
2675	Polaris	1261215	Horizontal	73		Also see 1260977
2676	Polaris	1261223	Horizontal	55		See Polaris 1260715
2677	Polaris	1262003	Horizontal	80		~
2678	Polaris	1261989	Horizontal	137		See Polaris 1261904
2679	Polaris	1262123	Horizontal	293	320	Polaris 1262123 Screen Type Spark Arrester
2680	Polaris	1262207	Horizontal	82		~
2681	Polaris	1262229	Horizontal	157		Modification of Polaris Industries 1261986
2682	Polaris	1262230	Horizontal	137		Modification of Polaris Industries 1261989
2683	Polaris	1262231	Horizontal	157		Modification of Polaris Industries 1261780
2684	Polaris	1262232	Horizontal	137	321	Modification of Polaris Industries 1261904
2685	Polaris	1262239	Multiple	222		See Model No. 1261605
2686	Powell	No. F	Horizontal	27		~
2687	Pro Aluminum	PA-21	Horizontal	193		See Pro Aluminum; PY-01
2688	Pro Aluminum	PY-01	Multiple	193		Screen Type
2689	Pro Circuit	PC-2100-07-3.5	Multiple	160	322	See Pro-Circuit, PC-2100
2690	Pro Circuit	PC-2100-09-4.0	Multiple	216	322	Screen Type
2691	Pro Circuit	EX13	Multiple	298	322	Screen type; For Honda XR50; XR70; XR80; XR100; XR250; XR400; EX400; XR650; Yamaha TTR125; YZ426; Suzuki DRZ400
2692						
2693						
2694	Pro Circuit	PC00700	Horizontal	89		~
2695	Pro Circuit	PC0070S	Horizontal	90		See Pro-Circuit PC-007-R
2696	Pro Circuit	PC007R	Horizontal	89	322	~
2697	Pro Circuit	PC2100	Multiple	298	322	Screen type; For Honda XR50; XR70; XR80; XR100; XR250; XR400; EX400; XR650; Yamaha TTR125; YZ426; Suzuki DRZ400
2698						
2699						
2700	Pro Circuit	PC-2100-07-3.5	Multiple	160		See Pro-Circuit, PC-2100
2701	Pro Circuit	PC-2100-07-3.5-Q	Multiple	160		See Pro-Circuit, PC-2100
2702	Pro Circuit	PC-2100-07-4.0	Multiple	215	322	See Pro-Circuit, PC-2100

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2703	Pro Circuit PC-2100-07-4.0-Q	Multiple	215	322	See Pro-Circuit, PC-2100
2704	Pro Circuit Products, Inc SA-01	Multiple	216	322	Screen type
2705	Pro Moto Billet #2 PMB	Horizontal	265	322	Screen Type
2706	Pro Moto Billet #4 PMB	Horizontal	190	322	Screen Type, previously Pro Moto Billet # T401
2707	Pro Moto Billet #T401	Multiple	198		Screen Type, used on Yamaha YZ 426 F
2708	Pro Moto Billet 4PMB	Horizontal	190		Screen Type; previously Pro Moto Billet # T401
2709	Pro Moto Billet EX21	Multiple	198		Screen type; used on Yamaha YZ 426 F
2710	Pro Moto Billet T401	Multiple	198		Screen type; used on Yamaha YZ 426 F
2711	Pro-Tec PT700	Multiple	207		Screen type for Yamaha YFM 660 RNC or smaller motorcycle
2712	PROTECH 6925493	Horizontal	205		~
2713	PROTECH 6925493	Horizontal	205		~
2714	PROTECH 6965256	Horizontal	310	323	~
2715	PROTECH 6965256	Horizontal	310	323	~
2716	PROTECH S.A.R.L. 6965256	Horizontal	310		~
2717	PROTECH S.A.R.L 6197292		394	323	
2718	Reliable M070285	Vertical	512	323	~
2719	Riker SA200	Horizontal	208	324	~
2720	Riker SA200	Vertical	208	324	~
2721	Riker SA2009	Horizontal	273		See Donaldson FCM0600037
2722	Riker SA2009	Vertical	296		see Donaldson FCM0600037
2723	Riker SA2059	Horizontal	427		See Donaldson FCM065030
2724	Riker SA2059	Vertical	436		See Donaldson FCM065030
2725	Riker SA250	Vertical	345	324	~
2726	Riker SA250	Horizontal	369	324	~
2727	Riker SA300	Vertical &		324	
2728		Horizontal	400	324	~
2729	Riker SA3009	Horizontal	597		see Donaldson FCM070068
2730	Riker SA3009	Vertical	644		See Donaldson FCM070068
2731	Riker SA350	Vertical	545	324	~
2732	Riker SA350	Horizontal	587	324	~
2733	Riker SA3501	Vertical	381	324	Modified SA-350
2734	Riker SA3509	Horizontal	842		See Donaldson FCM070069
2735	Riker SA3509	Vertical	881		See Donaldson FCM070069
2736	Riker SA353	Horizontal	517	324	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2737	Riker	SA400	Vertical	585	324	~
2738	Riker	SA4009	Horizontal	1177		See Donaldson FCM080024
2739	Riker	SA4009	Vertical	1200		See Donaldson FCM080024
2740	Riker	SA400A	Horizontal	582	324	~
2741	Riker	SA400A	Vertical	600	324	~
2742	Riker	SA401	Vertical	680	324	~
2743	Riker	SA401	Horizontal	723	324	~
2744	Riker	SA408	Horizontal	860	325	~
2745	Riker	SA408	Vertical	900	325	~
2746	Riker	SA409	Horizontal	809	325	Modified SA-408
2747	Riker	SA500	Vertical	979	325	~
2748	Riker	SA500	Horizontal	989	325	~
2749	Riker	SA5009	Horizontal	1630		See Donaldson FCM090091
2750	Riker	SA5009	Vertical	1670		See Donaldson FCM090091
2751	Riker	SA6009	Horizontal	2480		See Donaldson FCM100016
2752	Riker	SA6009	Vertical	2660		See Donaldson FCM100016
2753	Riker	SA6762	Vertical	550	325	Modified SA-408 in muffler shell.
2754	Robin America	EX40	Multiple	68	325	Screen Type
2755	Robin America	EX40B	Horizontal	68	325	Screen Type
2756	Robin America	EH25	Multiple	43		Screen Type
2757	Robin America	EH41	Multiple	61		Screen Type
2758	Robin America	EY20	Multiple	33		Screen Type
2759	Rocket Exhaust	Silencer 1	Multiple	337	326	Screen Type
2760	Rocky Mountain ATV / LEXX	12-007A	Multiple	258	326	Screen Type
2761	Rocky Mountain ATV / LEXX	12-007B	Multiple	258	326	Screen Type
2762	Rocky Mountain ATV / LEXX	12-007C	Multiple	194	326	Screen Type
2763	Ruey Sheng	HS-0501	Multiple	77		Used on Bombardier
2764	Ruey Sheng	707-600-200	Multiple	77		Used on Bombardier
2765	Rupp	32004	Horizontal	24	327	~
2766	S&S Cycle	RH012	Horizontal	251		See Gibson RH012
2767	Sangyang Industry	032-30-25.4	Multiple	151		Engine of application: UC-RFS
2768	Sanyang	035-30-28.6	Multiple	73		Screen Type
2769	Sanyang	032-30-25.4	Multiple	75		Screen Type
2770	Sanyang	032-30-REB	Multiple	201		Screen Type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2771	Seastrom QP Series	Multiple	198	328	~
2772	Seastrom QPK	Multiple	220		Screen Type
2773	Seastrom QPX Performance Tip	Multiple	220		Screen Type
2774	Silent Exhaust Systems SAK0423	Multiple	150		Screen Type
2775	SITO Gruppo Industriale s.p.a. SGI 3708	Multiple	160	328	
2776	SITO Gruppo Industriale s.p.a. SGI 3926	Multiple	109	329	~
2777	SITO Gruppo Industriale s.p.a. SGI 3927	Multiple	159	329	~
2778	SITO Gruppo Industriale s.p.a. SGI 3928	Multiple	162	330	~
2779	SITO Gruppo Industriale s.p.a. H 6697	Multiple	283		Screen type
2780	Skyway 1000	Horizontal	40	331	~
2781	Skyway 2500	Horizontal	74	331	~
2782	Skyway 300 Series	Horizontal	107	331	~
2783	Skyway 510 Series 300	Horizontal	60	331	Body length may vary from 8.5 to 16.5 inches
2782	Skyway-Cobra 3001	Horizontal	161	331	Motorcycle
2783	Skyway-Cobra 300 SC	Horizontal	176		Modified Skyway-Cobra 300 add-on w/angled body
2784	Soundmaster 21578	Horizontal	273		~
2785	Soundmaster 21578	Vertical	296		~
2786	Soundmaster 21579	Horizontal	427		~
2787	Soundmaster 21579	Vertical	436		~
2788	Soundmaster 21580	Horizontal	597		~
2789	Soundmaster 21580	Vertical	644		~
2790	Soundmaster 21581	Horizontal	842		~
2791	Soundmaster 21581	Vertical	881		~
2792	Soundmaster 21582	Horizontal	1177		~
2793	Soundmaster 21582	Vertical	1200		~
2794	Soundmaster 21584	Horizontal	1630		~
2795	Soundmaster 21584	Vertical	1670		~
2796	Soundmaster 21585	Inverted	28	291	See Nelson T-12825F
2797	Soundmaster 22005	Horizontal	2020		~
2798	Soundmaster 22005	Vertical	2040		~
2799	Soundmaster 35807	Horizontal	123		~
2800	Soundmaster 35807	Vertical	124		~
2801	Sparester 601	Horizontal	53	332	~
2802	Sparester 602	Inverted	47	332	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2803	Sparester 801	Horizontal	97	332	~
2804	Sparester SA100	Horizontal	147	332	~
2805	Sparester SA120	Horizontal	233	332	~
2806	Sparester SA140	Horizontal	285	332	~
2807	Sparester SA160	Horizontal	350	333	~
2808	Sparester SA190	Horizontal	541	333	~
2809	Sparester SA240	Horizontal	669	333	~
2810	Sparester SA280	Horizontal	995	333	~
2811	Sparky 300 Sparky	Horizontal	176	333	~
2812	Stemco 2621059	Horizontal	273	149	See Donaldson FCM06-0037
2813	Stemco 2621059	Vertical	296	149	See Donaldson FCM06-0037
2814	Stemco 2621060	Horizontal	427	149	See Donaldson FCM06-5030
2815	Stemco 2621060	Vertical	436	149	See Donaldson FCM06-5030
2816	Stemco 2621061	Horizontal	597		See Donaldson FCM07-0068
2817	Stemco 2621061	Vertical	644		See Donaldson FCM07-0068
2818	Stemco 2621062	Horizontal	842	150	See Donaldson FCM07-0069
2819	Stemco 2621062	Vertical	881	150	See Donaldson FCM07-0069
2820	Stemco 2621063	Horizontal	1177	150	See Donaldson FCM08-0024
2821	Stemco 2621063	Vertical	1200	150	See Donaldson FCM08-0024
2822	Stemco 2621064	Horizontal	1630	150	See Donaldson FCM09-0091
2823	Stemco 2621064	Vertical	1670	150	See Donaldson FCM09-0091
2824	Stemco 2622020	Horizontal	260		See Nelson U-49120
2825	Stemco 2622025	Horizontal	347		See Nelson U-49125
2826	Stemco 2622030	Vertical	633		See Nelson U-49130
2827	Stemco 2622035	Vertical	830	275	See Nelson 49135
2828	Stemco 2622035	Horizontal	950	275	See Nelson 49135
2829	Stemco 2622040	Horizontal	920	275	See Nelson 49140
2830	Stemco 2622050	Horizontal	1275	276	See Nelson 49150
2831	Stemco 2622050	Vertical	1275	276	See Nelson 49150
2832	Stemco 595M	Inverted	675	334	See Stemco 595M
2833	Strader 200	Horizontal	29	334	~
2834	Strader 400	Horizontal	46	334	Not qualified above 46 cu ft/min
2835	Stroker HS-2501	Multiple	516		Screen Type
2836	Stroker SX1	Multiple	516		Screen Type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2837	Summit Industries - JardinePerformance HS-4001	Multiple	141		Cleanout plug; 5/32 button head socket cap screw must be in place.
2838	Summit Industries - JardinePerformance HS-4003	Multiple	141		Cleanout plug; 5/32 button head socket cap screw must be in place.
2839	Summit Industries - JardinePerformance JPS1	Multiple	141	334	Cleanout plug; 5/32 button head socket cap screw must be in place.
2840	Summit Industries - JardinePerformance JPS2	Multiple	141	334	Cleanout plug; 5/32 button head socket cap screw must be in place.
2841	Supertrapp T100	Multiple	243	335	~
2842	Supertrapp T101	Multiple	170	335	~
2843	Supertrapp T102	Multiple	64	335	~
2844	Supertrapp T99	Multiple	31	335	~
2845	Suzuki 32.2725	Multiple	117		Screen Type
2846	Suzuki 29833	Multiple	93		Screen type
2847	Suzuki HS-070-1	Multiple	31	335	Screen Type
2848	Suzuki HS-450-3	Multiple	141		Screen Type
2849	Suzuki HS 700-1	Multiple	212		Engine of application-Suzuki LT-A750XP
2850	Suzuki HS-050	Multiple	36		Screen type
2851	Suzuki HS-050-1	Multiple	63		Used on engines: JR80
2852	Suzuki HS-050-1	Multiple	175		Used on engines: LT-F500F and LT-A500F
2853	Suzuki HS-050-2	Multiple	11	335	Screen Type
2854	Suzuki HS-070-1	Multiple	22	335	Screen Type
2855	Suzuki HS-0707-1	Multiple	31		Screen Type
2856	Suzuki HS-090-2	Multiple	31	336	Screen Type
2857	Suzuki HS-1	Horizontal	5	336	~
2858	Suzuki HS-10	Multiple	68	337	Screen; 4-cycle; 14 hp or less
2859	Suzuki HS-11	Multiple	15		Screen; 4-cycle; 14 hp or less
2860	Suzuki HS-125-1	Multiple	42		Screen type; used on Suzuki DR-Z125; DR-Z125L; Kawasaki
2861					KLX125A; KLX125B
2862	Suzuki HS-2	Multiple	13	336	Screen; 4-cycle; 1.6 hp or less
2863	Suzuki HS-250-1	Multiple	109	338	Used on DR-Z250
2864	Suzuki HS-250-2	Multiple	93		Screen type
2865	Suzuki HS-250-3	Multiple	72		~
2866	Suzuki HS-3	Multiple	51	336	Screen; 4-cycle; 7.8 hp or less
2867	Suzuki HS-4	Multiple	22	336	Screen; 2-cycle; 1.8 hp or less
2868	Suzuki HS-400-1	Multiple	180	338	Screen type
2869	Suzuki HS-400-2	Multiple	134		Used on LT-F400; LT-F400F; LT-A400; LT-A400F
2870	Suzuki HS-400-3	Multiple	150		Screen type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2871	Suzuki	HS-400-4	Multiple	134	338	Screen type; LT-F400; LT-F400F; LT-A400; LT-A400F
2872	Suzuki	HS-400-5	Multiple	150		~
2873	Suzuki	HS-400-6	Multiple	117		Screen Type
2874	Suzuki	HS-400-6	Multiple	151		Screen Type
2875	Suzuki	HS-400-7	Multiple	133		Screen Type
2876	Suzuki	HS-410-1	Multiple	134		Used on LT-F400; LT-F400F; LT-A400; LT-A400F
2877	Suzuki	HS-410-1	Multiple	180		Screen type
2878	Suzuki	HS-450-1	Multiple	179	338	Screen type
2879	Suzuki	HS-450-2	Multiple	378	338	Egine of application- Suzuki LT-A500XP and LT-A500XPZ
2880	Suzuki	HS-450-3	Multiple	141	338	Screen Type
2881	Suzuki	HS-450-3	Multiple	179	338	Screen Type
2882	Suzuki	HS-450-4	Multiple	202		Screen Type
2883	Suzuki	HS-480-4	Multiple	122		~
2884	Suzuki	HS-5	Multiple	25	336	Screen; 4-cycle; 4.2 hp or less
2885	Suzuki	HS-500-1	Multiple	159	339	Used on LT-A500F
2886	Suzuki	HS-500-1	Multiple	175	339	Used on engines: LT-F500F and LT-A500F
2887	Suzuki	HS-500-2	Multiple	159		Used on LT-A500F; LT-F500F
2888	Suzuki	HS-500-3	Multiple	161		~
2889	Suzuki	HS-5A	Multiple	25	336	Screen; 4-cycle; 3.8 hp or smaller
2890	Suzuki	HS-5AB	Multiple	30	337	Screen; 4-cycle; 6.0 hp
2891	Suzuki	HS-6	Multiple	25	337	Screen; 4-cycle; 4.2 hp or less
2892	Suzuki	HS-7	Multiple	41	337	Screen; 4-cycle; 9.0 hp or smaller
2893	Suzuki	HS-700-1	Multiple	203	339	~
2894	Suzuki	HS-700-1	Multiple	212	339	Screen Type
2895	Suzuki	HS-7A	Multiple	41	337	Screen; 4-cycle; 9.0 hp or smaller
2896	Suzuki	HS-7B	Multiple	44		Screen; 4-cycle; 9.0 hp
2897	Suzuki	HS-8	Multiple	22	337	Screen; 2-cycle; 1.8 hp hp or smaller
2898	Suzuki	HS-9	Multiple	68	337	Screen; 4-cycle; 14 hp or less
2899	Suzuki	KPS A1	Multiple	42		Screen type; used on Suzuki DR-Z125; DR-Z125L; Kawasaki
2900						KLX125A; KLX125B
2901	Suzuki	KS-250-1 for LTA50	Horizontal	17		See Suzuki-Krizman KS-250 (for ALT50)
2902	Suzuki	KS-250-1 for LTA50	Multiple	150		Screen type
2903	Suzuki	KS-450	Horizontal	82	339	~
2904	Suzuki	KS-450-1	Horizontal	42	339	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2905	Suzuki	KS-450-2	Horizontal	83	340	~
2906	Suzuki	KS-450-3	Horizontal	48	340	~
2907	Suzuki	M050235	Multiple	159		Used on LT-A500F; LT-F500F
2908	Suzuki	M050238	Multiple	180		Screen type
2909	Suzuki	M050242	Multiple	180		qualified
2910	Suzuki	M050243	Multiple	175		Used on engines: LT-F500F and LT-A500F
2911	Suzuki	M050244	Multiple	63		Used on engines: JR80
2912	Suzuki	M050249 (large)	Multiple	109		Used on DR-Z250
2913	Suzuki	M050249 (small)	Horizontal	17		See Suzuki-Krizman KS-250 (for ALT50)
2914	Suzuki	M050253rev4	Multiple	150		Screen type
2915	Suzuki	Sparester 2-1	Horizontal	72	340	Qualified
2916	Suzuki	Sparester 2-2	Horizontal	73		~
2917	Suzuki	Sparester 2-3	Horizontal	69	340	~
2918	Suzuki-Krizman	K-15	Horizontal	20	340	~
2919	Suzuki-Krizman	KS-250	Horizontal	26	340	For SE 1500 & SE 2500
2920	Suzuki-Krizman	KS-250	Horizontal	27	341	Additional cross reference 345/419
2921	Suzuki-Krizman	KS-250 for Alt50	Horizontal	17	341	~
2922	Suzuki-Krizman	KS-250 for TM75	Horizontal	20	341	~
2923	Suzuki-Krizman	KS-250 for TS80	Horizontal	23	341	~
2924	Suzuki-Krizman	KS-250M	Horizontal	25	341	TM 75&TC 100K Motorcycle cycle muffler
2925	Suzuki-Krizman	KS-350-3	Horizontal	39	341	~
2926	Suzuki-Krizman	KS-350-3 for LT185	Horizontal	30		For LT 185
2927	Suzuki-Krizman	KS-350-3 for LT250	Horizontal	30		For LT 250
2928	Suzuki-Krizman	KS-351	Horizontal	50		~
2929	Suzuki-Krizman	KS-400	Horizontal	84	341	~
2930	Suzuki-Krizman	KS-400 for PE250	Horizontal	39	342	~
2931	Suzuki-Krizman	KS-400-1	Horizontal	47	342	Modified KS-400
2932	Suzuki-Sparester	850	Horizontal	57		~
2933	Suzuki-Sparester	8011	Horizontal	61		~
2934	Suzuki-Sparester	8501	Horizontal	49		~
2935	Suzuki-Sparester	801 LT 500R	Horizontal	73	342	~
2936	Suzuki-Sparester	801 X0 523X	Horizontal	46	342	~
2937	Suzuki-Sparester	801 X0 523X	Horizontal	97	342	~
2938	Suzuki-Sparester	801 X1 9AOX	Horizontal	97	342	Suzuki LT250RATV

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2939	Suzuki-Sparester 801 X1 9BOX	Horizontal	53	342	~
2940	Suzuki-Sparester 801 X2 2AOX	Horizontal	97	342	On Suzuki LT120SATV; one clean out plug; On Suzuki
2941					LT230EATV; two clean out plugs.
2942	Suzuki-Sparester DR400	Horizontal	87		~
2943	Suzuki-Sparester LT80	Horizontal	25		~
2944	Suzuki-Sparester PE175	Horizontal	87		~
2945	Suzuki-Sparester PE250	Horizontal	87		~
2946	Suzuki-Sparester PE400	Horizontal	87		~
2947	Suzuki-Sparester Sparester 1	Horizontal	81		~
2948	Suzuki-Sparester Sparester 1-1	Horizontal	61		~
2949	Suzuki-Sparester Sparester 1-2	Horizontal	42		~
2950	Suzuki-Sparester Sparester 1-3	Horizontal	42		Enlarged inlet bell
2951	Suzuki-Sparester Sparester 2-1	Horizontal	72	340	~
2952	Suzuki-Sparester Sparester 2-3	Horizontal	69	340	~
2953	Suzuki-Sparester X02COX	Horizontal	33		~
2954	Taga Corporation & Japan Design BM301 #36	Horizontal	370		Muffler body must be labeled screen type
2955	Taiwan Golden Bee 923288	Multiple	140	343	Screen Type
2956	Taotao USA TTSTSA	Multiple	47		Screen Type
2957	Taylor 100	Multiple	26	343	Screen; 4-cycle; 4 hp or less
2958	Taylor 200	Multiple	46	343	Screen; 4-cycle; 8 hp or less
2959	Taylor 300	Multiple	46	343	Screen; 4-cycle; 7 hp or less
2960	Taylor 400	Multiple	26	343	Screen; 4-cycle; 4 hp or less
2961	Taylor 750	Multiple	30	343	Screen; 4-cycle; 10 hp or less
2962	Taylor 751	Multiple	61	344	Screen; 4-cycle; 10 hp or less
2963	Taylor 800	Multiple	46	344	Screen; 4-cycle; 8 hp or less
2964	Taylor 800	Multiple	64	344	Screen; 2-cycle; 5.5 hp or less
2965	Taylor 900	Multiple	57	344	Screen; 4-cycle; 10 hp or less
2966	Taylor 950	Multiple	50	344	Screen; 4-cycle; 10 hp or less
2967	Taylor 400A	Multiple	26	343	Screen; 4-cycle; 4 hp or less
2968	Taylor 750A	Multiple	46	344	Screen; 4-cycle; 8 hp or less
2969	Teck 16250C	Vertical	259	345	~
2970	Teck SS8602	Horizontal	181	345	~
2971	Teck SS8602	Vertical	204	345	~
2972	Teck SS86025	Horizontal	205	345	~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2973	Teck SS86025	Vertical	208	345	~
2974	Teck SS8603	Vertical	238	345	~
2975	Teck SS8603	Horizontal	245	345	~
2976	Teck SS86035	Horizontal	372	345	~
2977	Teck SS86035	Vertical	377	345	~
2978	Teck SS8604A	Horizontal	383	345	~
2979	Teck SS8604A	Vertical	386	345	~
2980	Teck SS8605	Vertical	532	345	~
2981	TECSA TEC-SA	Horizontal	55		See Polaris 1260715
2982	Tecumseh 35352	Multiple	54	346	Screen; 4-cycle; 13 hp or smaller
2983	Tecumseh 35352	Multiple	70	346	Screen; 4-cycle; 12 hp or less
2984	Tecumseh 36085	Multiple	31	346	Screen; 4-cycl; 5 hp or smaller
2985	Tecumseh 36411	Multiple	110		Screen; 4-cycle; 2.5 hp or smaller
2986	Tecumseh 390309	Multiple	42	346	Screen; 2-cycle; 4 hp or smaller
2987	Tecumseh 390301A	Multiple	16	346	Screen; 2-cycle; 2 hp or smaller
2988	Tecumseh 400B	Multiple	26	346	Screen; 4-cycle; 4 hp or less
2989	Tecumseh 751A	Multiple	26	346	Screen; 4-cycle; 5 hp or smaller
2990	Tillery T134	Multiple	45	346	Screen; 2-cycle; 6.5 hp or less
2991	Tillery T234	Multiple	26	346	Screen; 4-cycle; 4 hp or less
2992	Toomey Racing SAS-4	Multiple	203	347	Screen Type
2993	Toro 364750	Multiple	19	347	Screen; 4-cycle; 2.27 hp or less
2994	Toro 566730	Multiple	21	347	Screen; 4-cycle; 3.7 hp or less
2995	Toro 810200	Multiple	31	347	Screen; 2-cycle; 3.5 hp or less
2996	Torque TQ1000	Horizontal	24	348	~
2997	Torque TQ2000	Horizontal	34	348	~
2998	Torque TQ3000	Horizontal	43	348	~
2999	Torque TQ3000A	Horizontal	42	348	~
3000	Torque TQ3000B	Horizontal	46	348	~
3001	Two Brothers Racing TBR-001	Multiple	314	348	Screen Type
3002	Two Brothers Racing TBR-002	Multiple	60	348	Screen Type
3003	United Motors of America UMSA001	Multiple	53	349	Screen Type
3004	United Motors of America UMSA002	Multiple	66	349	
3005	United Motors of America UMSA003	Multiple	26	349	Also used for ATV Earthlanders 70 & 90 Moontrax 70 & 90
3006	USA Motortoys S-18330-KX03	Multiple	57		Screen Type

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
3007	USDA FS3	Vertical	530	350	Prototype
3008	USDA FS3	Horizontal	614	350	Prototype
3009	USDA FS3	Horizontal	622	350	Prototype
3010	USDA FS4	Horizontal	164	350	Prototype
3011	Vance & Hines SA-01	Multiple	88	350	~
3012	Wacker WM8058406	Horizontal	23		~
3013	Wajax-Pacific PB1196	Horizontal	69	351	Primer-arrester
3014	Wajax-Pacific PC1216	Horizontal	56	351	Primer-arrester
3015	Wajax-Pacific Pumper D4479	Horizontal	57	351	Primer-arrester. Also called Pacific; Pumper or Wajax.
3016	Wajax-Pacific Pumper Model 2	Multiple	103	351	Screen; 2-cycle; 8.5 hp or less. Also called Pacific Pumper or Wajax
3017					~
3018	Walker 21578	Horizontal	273		~
3019	Walker 21578	Vertical	296		~
3020	Walker 21579	Horizontal	427		~
3021	Walker 21579	Vertical	436		~
3022	Walker 21580	Horizontal	597		~
3023	Walker 21580	Vertical	644		~
3024	Walker 21581	Horizontal	842		~
3025	Walker 21581	Vertical	881		~
3026	Walker 21582	Horizontal	1177		~
3027	Walker 21582	Vertical	1200		~
3028	Walker 21584	Horizontal	1275		~
3029	Walker 21584	Vertical	1630		~
3030	Walker 21585	Inverted	28		See Nelson T-12825F
3031	Walker 22005	Horizontal	2020		~
3032	Walker 22005	Vertical	2040		~
3033	Walker 35807	Horizontal	123		~
3034	Walker 35807	Vertical	124		~
3035	Washington Iron Works No. 3	Vertical	615	351	Discontinued
3036	White Brothers Eseries 2000	Horizontal	300		Muffler body must be labeled screen type
3037	White Brothers Eseries 2000	Horizontal	300		Disc type; closed endcap disc must be in place
3038	White Brothers Screen 2001	Multiple	191		Screen type
3039	White Brothers WB2004	Multiple	207	352	Screen type; pleated screen
3040	White Brothers WB2006	Multiple	207	352	See also WB2004

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
3041	White Brothers/Pure Polaris M050260	Multiple	300		Disc type; closed end cap disc must be in place; E-Series
3042	White Brothers/Pure Polaris Model 2000	Multiple	300		Disc type; closed end cap disc must be in place; E-Series
3043	White Brothers/Pure Polaris WB 2001	Horizontal	17		See Suzuki-Krizman KS-250 (for ALT50)
3044	Wildfire Fire Equipment C-7590	Horizontal	94	352	~
3045	Wildfire Fire Equipment C-7590	Multiple	94	352	Screen type; 2 screens
3046	Wildfire Pacific 00-12-300EP	Vertical	65		Carbon trap needs periodic cleaning
3047	Wildfire Pacific M050267rev0	Vertical	65		Carbon traps needs periodic cleaning
3048	Wintec 500	Horizontal	71	353	~
3049	Xducer	See SUPERTRAPP	~		See SUPERTRAPP
3050	Xdusor II	Horizontal	155		Modified Xdusor X-100
3051	Xdusor X100	Horizontal	102		~
3052	Yamaha 2000	Horizontal	52		See Yamaha 238F; cleanout same as Yamaha Y238A
3053	Yamaha YMS15B	Multiple	35		Screen Type
3054	Yamaha 238H	Horizontal	52		See Yamaha 238F; cleanout same as Yamaha Y238A
3055	Yamaha EG-100A	Horizontal	33		~
3056	Yamaha EG-100B	Horizontal	26		~
3057	Yamaha EG-102A	Horizontal	46		Not qualified for use above rated flow
3058	Yamaha EG-102B	Horizontal	45		Not qualified for use above rated flow
3059	Yamaha EG-103A	Vertical	27		~
3060	Yamaha EG-103B	Vertical	27		~
3061	Yamaha EG-104A	Vertical	22		Not qualified for use above rated flow
3062	Yamaha EG-104B	Vertical	20		~
3063	Yamaha EG-105A	Inverted	19		Not qualified for use above rated flow
3064	Yamaha EG-106	Horizontal	13	354	~
3065	Yamaha EG-107	Horizontal	44	354	~
3066	Yamaha EG-108	Horizontal	29	354	~
3067	Yamaha EG-109	Horizontal	25	354	~
3068	Yamaha EG-110	Inverted	72	354	~
3069	Yamaha EG-111	Horizontal	15	354	~
3070	Yamaha EG-113	Multiple	26	355	Screen; 4-cycle; 5 hp or smaller
3071	Yamaha EG-114	Multiple	54	355	Screen; 4-cycle; 11 hp or smaller
3072	Yamaha EG-116	Multiple	25	355	Screen; 4-cycle; 5 hp or smaller
3073	Yamaha EG-117A	Multiple	37	355	Screen; 4-cycle; 6.6 hp or smaller
3074	Yamaha EG-118	Multiple	26	355	Screen type; 4-stroke; 4.5 hp or smaller

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
LINE	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
3075	Yamaha EG-119	Multiple	26	355	Screen type; 4-stroke; 4.5 hp or smaller
3076	Yamaha EG-120	Multiple	54		Screen type
3077	Yamaha EG-122	Multiple	38		Screen type
3078	Yamaha EG-123	Multiple	38		Used on EF4000 Generator; projected point (dimple) must be fit into the hole on the muffler tail for proper installation.
3079					
3080	Yamaha EG-124	Multiple	26		Used on EF2800i Generator; projected point (dimple) must be fit into the hole on the muffler tail for proper installation.
3081					
3082	Yamaha EG-125	Multiple	13		Used on EF1000iS Generator; Screen Type
3083	Yamaha EG-126	Multiple	29		Used on EF3000iSE Generator
3084	Yamaha EG-127	Multiple	29	356	For Engine 7CF2
3085	Yamaha EG-129	Multiple	15		Screen Type
3086	Yamaha LG-101	Multiple	60	356	Screen; 4-cycle; 12 hp or smaller
3087	Yamaha LG-102	Multiple	87	356	Screen; 4-cycle; 18 hp or smaller
3088	Yamaha MZ0010	Multiple	26		Used on EF2800i Generator; projected point (dimple) must be fit into the hole on the muffler tail for proper installation.
3089					
3090	Yamaha MZ0011	Multiple	38		Used on EF4000 Generator; projected point (dimple) must be fit into the hole on the muffler tail for proper installation.
3091					
3092	Yamaha MZ0014	Multiple	110		Screen Type
3093	Yamaha MZ0015	Multiple	13		Used on EF1000iS Generator; Screen Type
3094	Yamaha MZ0018	Multiple	29		Used on EF3000iSE Generator
3095	Yamaha MZ0021	Multiple	248		Used on Yamaha YFM660R Raptor 4 wheel ATV; YZ400F; YZ426F
3096					
3097	Yamaha MZ0023	Multiple	38		Screen type
3098	Yamaha MZ0026	Multiple	173		Used on ATV YFM660FWA
3099	Yamaha MZ0027	Multiple	173		Used on ATV YFM660FWA
3100	Yamaha NM 49028	Multiple	248		Used on TTR125; YFM660R; YZ400F; Y2426F mufflers
3101	Yamaha YHM 167A	Horizontal	35	356	~
3102	Yamaha YHM 167B	Horizontal	31	356	~
3103	Yamaha YHM 200	Horizontal	50	356	~
3104	Yamaha YHM 200A	Horizontal	49	356	~
3105	Yamaha YHM 200B	Horizontal	64	356	~
3106	Yamaha YHM 220	Horizontal	45	357	~
3107	Yamaha YHM 220A	Horizontal	44	357	~
3108	Yamaha YHM 238A	Horizontal	63		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
3109	Yamaha	YHM 238F	Horizontal	52		~
3110	Yamaha	YHM 238G	Horizontal	63		Screen type
3111	Yamaha	YHM 238H	Horizontal	52		See Yamaha YHM 238F; cleanout same as Yamaha YHM 238A
3112	Yamaha	YHM 238J	Horizontal	63	357	See Yamaha YHM238A
3113	Yamaha	YHM 238K	Horizontal	31		~
3114	Yamaha	YHM 238L	Horizontal	97	357	~
3115	Yamaha	YHM 250	Horizontal	39	357	
3116	Yamaha	YHM 270A	Horizontal	100		See YHM238A & YHM238F
3117	Yamaha	YHM 270B	Horizontal	100		~
3118	Yamaha	YHM 700	Horizontal		357	
3119	Yamaha	YMH 220B	Horizontal	53	357	~
3120	Yamaha	YMH 220C	Horizontal	57	357	~
3121	Yamaha	YMH 238	Horizontal	64	358	~
3122	Yamaha	YMH 238A	Horizontal	63	358	~
3123	Yamaha	YMH 238B	Horizontal	41	358	~
3124	Yamaha	YMH 238C	Horizontal	41	358	~
3125	Yamaha	YMH 238D	Horizontal	54	358	~
3126	Yamaha	YMH 238E	Horizontal	72	358	~
3127	Yamaha	YMH 238G	Horizontal	63		See YHM 238A & YHM 238F
3128	Yamaha	YMH 270	Horizontal	77	358	~
3129	Yamaha	YMH 270A	Horizontal	100		~
3130	Yamaha	YMH 270B	Horizontal	100		~
3131	Yamaha	YMS 125	Multiple	62		~
3132	Yamaha	YMS 125A	Multiple	17	359	For Engine TT-R50E
3133	Yamaha	YMS 230	Multiple	75	359	~
3134	Yamaha	YMS 400	Multiple	150		Screen type
3135	Yamaha	YMS 400A	Multiple	150	360	Screen type
3136	Yamaha	YMS 400B	Multiple	160	360	For Engine WRF450F (5TJ-80)
3137	Yamaha	YMS 50	Multiple	28	358	Screen; 2-cycle; 5.8 hp or smaller
3138	Yamaha	YMS 50A	Multiple	27	359	Screen; 2-cycle; 5.8 hp or smaller
3139	Yamaha	YMS 660	Multiple	150		Screen type
3140	Yamaha	YMS 660	Multiple	173		Used on ATV YFM660FWA
3141	Yamaha	YMS 660A	Multiple	110		Screen Type
3142	Yamaha	YMS 660B	Multiple	173		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
3143	Yamaha	YMS 700	Multiple	151	360	Screen Type
3144	Yamaha	YMS250	Multiple	73		Screen Type
3145	Yamaha	YMS700	Multiple	151		Screen Type
3146	Yamaha	YMUS-01	Horizontal	95		~
3147	Yamaha	YMUS-01	Multiple	154		Marked as “ACS Screen Type RSA20125”. For 34 HP or smaller 4
3148						stroke engine
3149	Yamaha	YMUS-01	Multiple	248		Used on TTR125; YFM660R; YZ400F; Y2426F mufflers
3150	Yamaha	YMUS-01	Multiple	248		Used on Yamaha YFM660R Raptor 4 wheel ATV;
3151						YZ400F;YZ426F
3152	Yamaha	YMUS-02	Multiple	172		Used on Yamaha YFM700 4- wheel 4-stroke. Also see Y712-03
3153	Yamaha	YMUS-10	Multiple	39	360	For Engine TTR50; TTR90 & TTR125
3154	Yamaha	YS 125	Multiple	62		Screen type
3155	Yamaha	EG-128	Multiple	59		Screen Type
3156	Yamaha	TYMS400C	Multiple	94		Screen Type
3157	Yamaha	YHM 250	Horizontal	39	359	Centrifugal Type
3158	Yamaha	YMS 125B	Multiple	35	359	~
3159	Yamaha	YMS250A	Multiple	73	359	Screen Type
3160	Yamaha	YMS400C	Multiple	94		Screen Type
3161	Yamaha Motor	YMS700A	Multiple	172	360	Screen Type
3162	Yamaha Motor Corp	YMS 1199	Horizontal	727		Screen Type
3163	Yamaha-Krizman	KS 250	Horizontal	24	361	~
3164	Yamaha-Krizman	KS 250A	Horizontal	20		~
3165	Yamaha-Krizman	KS 350	Horizontal	58	361	~
3166	Yamaha-Krizman	KS 350A	Horizontal	54		~
3167	Yamaha-Krizman	KS 350B	Horizontal	32		~
3168	Yamaha-Krizman	KS 350C	Horizontal	23		~
3169	Yamaha-Krizman	KS 375	Horizontal	79		Modified KS-400
3170	Yamaha-Krizman	KS 375A	Horizontal	75	361	~
3171	Yamaha-Krizman	KS 375B	Horizontal	55	361	~
3172	Yamaha-Krizman	KS 375C	Horizontal	70	361	~
3173	Yamaha-Krizman	KS 375D	Horizontal	71	361	~
3174	Yamaha-Krizman	KS 375E	Horizontal	63	362	~
3175	Yamaha-Krizman	KS 375F	Horizontal	54	362	~
3176	Yamaha-Krizman	KS 375G	Horizontal	47		~

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2011 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
LINE	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
3177	Yamaha-Krizman	YS 125	Horizontal	42	362	Discontinued
3178	Yamaha-Krizman	YS 250	Horizontal	20	362	Discontinued
3179	Yamaha-Krizman	YS 80	Horizontal	24	362	Discontinued
3180	Yamaha-Krizman	YSU 80	Horizontal	24	362	Discontinued
3181	Yamaha-Skyway	Series 300 Mod 520	Horizontal	89	363	Not qualified for use above rated flow
3182	Yellow Jacket Mfg. Inc.	412-157	Multiple	167		Used on 500 cc Suzuki
3183	Yellow Jacket Mfg. Inc.	412-194	Multiple	167		Screen type; Suzuki Model M-410
3184	Yellow Jacket Mfg. Inc.	NM 28653	Multiple	167		Used on 500 cc Suzuki
3185	Yellow Jacket Mfg. Inc.	NM 28878	Multiple	167		Screen type; Suzuki Model M-410
3186	Yoshimura	PC007OS	Multiple	167		Screen type
3187	Yoshimura	TEC-SA	Multiple	167		Screen type
3188	Yoshimura	TEC-SB	Multiple	167		Screen Type
3189	Yoshimura	TEC-SD	Multiple	216		Screen Type
3190	Yoshimura	YRD1Q	Horizontal	176		Fiberglass packing must be in place for the full length of the
3191						perforated tube.
3192	Yoshimura	YRD2L	Horizontal	176		Fiberglass packing must be in place for the full
3193	Yoshimura	TEC-SD3	Multiple	198		Screen Type
3194	Yoshimura	TEC-SD7	Horizontal	220		Screen Type
3195	Yoshimura R&D	TEC-SD11	Multiple	311	364	Screen Type, marked “TEC SD”
3196	Yuba	8000	Vertical	740	364	~
3197	Zhejiang Peace Industry and Co.	TP-A0133120	Multiple	49		Screen Type
3198	Zhejiang Peace Industry and Co.	TP-BG333120	Multiple	72		Screen Type

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**2011
QUALIFIED AND RATED LIST FOOTNOTES—
GENERAL PURPOSE SPARK ARRESTER**

* = Donaldson Company, Inc., early models may carry a “-1” at the end of this number.

** = Super Trapp Industries, units qualify regardless of the number of discs used. The assigned flow rates were obtained using 18 discs. Fewer discs will give a lower flow rate and more discs will give a higher flow rate. Nest discs so dimples interlock and tighten retainer bolt so discs are not loose. Frequent cleaning may be necessary to avoid plugging..

Note: Hapco models were formerly labeled Harco. Model designations may contain a dash followed by number(s) and letters. These signify the inlet size opening, application, and/or thread type. Moderate inlet size differences are acceptable from the dimensions indicated on the drawings for identification in the next section.

**A DESCRIPTION OF THE TERMS USED IN THE
GENERAL PURPOSE SPARK ARRESTER
2007 QUALIFIED AND RATED LIST FOLLOWS:**

Manufacturer	Manufacturer of the spark arrester.
Model	Assigned approved arrester model number, not to be confused with the manufacturer's stock number.
Appl Pos	Only qualified position of application
Flow	Rated flow of the arrester in cubic feet per minute (CFM).
Remarks	Additional information needed to identify the arrester.
Screen	Screen with openings of 0.023-inch or smaller, should be present if indicated.
Cycle	Number of engine stroke cycles; i.e., four cycle engine

**CHART I EXHAUST FLOW IN CUBIC FEET PER MINUTE AT MAXIMUM RATINGS¹
FOR 4-CYCLE DIESEL ENGINES²**

Engine Displacement		Revolutions Per Minute													RPM ³
cubic cm.	cubic inches	800	1,000	1,200	1,400	1,600	1,800	2,000	2,200	2,400	2,600	2,800	3,000	Differential	
16	1	0	1	1	1	1	1	1	1	1	1	2	2	0	
33	2	1	1	1	2	2	2	2	2	3	3	3	3	0	
49	3	1	2	2	2	3	3	3	4	4	4	5	5	0	
66	4	2	2	3	3	4	4	4	5	5	6	6	7	0	
82	5	2	3	3	4	4	5	6	6	7	7	8	8	1	
94	6	3	3	4	5	5	6	7	7	8	9	9	10	1	
115	7	3	4	5	5	6	7	8	9	9	10	11	12	1	
131	8	4	4	5	6	7	8	9	10	11	12	13	13	1	
148	9	4	5	6	7	8	9	10	11	12	13	14	15	1	
164	10	4	6	7	8	9	10	11	12	13	15	16	17	1	
328	20	9	11	13	16	18	20	22	25	27	29	31	34	2	
492	30	13	17	20	24	27	30	34	37	40	44	47	51	3	
656	40	18	22	27	31	36	40	45	49	54	58	63	67	4	
820	50	22	28	34	39	45	51	56	62	67	73	79	84	6	
984	60	27	34	40	47	54	61	67	74	81	88	94	101	7	
1,148	70	31	39	47	55	63	71	79	87	94	102	110	118	8	
1,312	80	36	45	54	63	72	81	90	99	108	117	126	135	9	
1,475	90	40	51	61	71	81	91	101	111	121	131	142	152	10	
1,639	100	45	56	67	79	90	101	112	124	135	146	157	169	11	
3,279	200	90	112	135	157	180	202	225	247	270	292	314	337	22	
4,918	300	135	168	202	236	270	303	337	371	404	438	472	506	34	
6,557	400	180	225	270	315	360	404	449	494	539	584	629	674	45	
8,197	500	224	281	337	393	449	505	562	618	674	732	786	843	56	
9,836	600	269	337	405	472	539	606	674	742	809	876	944	1,011	67	
11,475	700	314	393	472	550	629	708	786	865	944	1,023	1,101	1,180	79	
13,115	800	359	449	540	629	719	809	899	989	1,079	1,169	1,258	1,348	90	
14,754	900	404	506	607	708	809	910	1,011	1,113	1,213	1,315	1,415	1,517	101	
16,393	1,000	449	562	674	786	899	1,011	1,124	1,236	1,348	1,461	1,573	1,685	112	

¹Volumetric efficiency 80 percent; exhaust temperatures 900 °F.

²For 2-cycle engines, multiply value by 2; for 2-cycle supercharged engines, multiply value by 3.25; for 4-cycle supercharged engines, multiply value by 1.25.

³The "RPM Differential" column gives the difference between RPM columns for interpolation purposes. Entries are to the nearest whole number.

General—All chart values are proportional, so a flow can be calculated for a 1,000-cubic-inch engine by doubling the flow figure for an identical engine but with 500-cubic-inch displacement. The same rule applies to revolutions per minute. Therefore, a flow can be calculated for a 3,000 maximum rpm engine by doubling the flow value of an identical engine but with 1,500 maximum rpm.

This chart may also be used like an interest table. If the engine has a cubic inch displacement of 438 at 2,600 revolutions per minute select readings from 400, 30, and 8 at 2,600 rpm. The sum of these is the flow rate. When revolutions per minute fall between columns, i.e., 1,600 to 1,800. 1,800 to 2,000, etc., take the next highest rpm column. To be more exact interpolate by using the "RPM Differential" value.

EXAMPLE: A 4-cycle diesel engine has a total displacement of 633 cubic inches. If its maximum rpm is 2,600, what is the maximum exhaust flow?

Solution—600 cu. in. displacement @ 2,600 rpm=876; 30=44; and 3=4; Sum=924 cfm.

**CHART II EXHAUST FLOW IN CUBIC FEET PER MINUTE AT MAXIMUM RATINGS¹
FOR 4-CYCLE GASOLINE OR PROPANE NATURALLY ASPIRATED ENGINES²**

Engine Displacement		Revolutions Per Minute											
<i>cubic cm</i>	<i>cubic inches</i>	1,600	1,800	2,000	2,200	2,400	2,600	2,800	3,000	3,200	3,400	3,600	RPM ³ Differential
16	1	1	1	1	2	2	2	2	2	2	2	2	0
33	2	2	2	3	3	3	4	4	4	4	5	5	0
49	3	3	4	4	5	5	5	6	6	7	7	7	0
66	4	4	5	5	6	7	7	8	8	9	10	11	1
82	5	5	6	7	8	8	9	10	10	11	12	12	1
94	6	7	7	8	9	10	11	12	12	13	14	15	1
115	7	8	9	10	11	12	12	13	14	15	16	17	1
131	8	9	10	11	12	13	14	15	16	18	19	20	1
148	9	10	11	12	14	15	16	17	18	20	21	22	1
164	10	11	12	14	15	16	18	19	21	22	23	25	1
328	20	22	25	28	30	33	36	38	41	44	47	49	3
492	30	33	37	41	45	49	54	58	62	66	70	74	4
656	40	44	49	55	60	66	71	77	82	88	93	99	6
820	50	55	62	69	75	82	89	96	103	110	117	123	7
984	60	66	74	82	90	99	107	115	123	132	140	148	8
1,148	70	77	86	96	106	115	125	134	144	153	163	173	10
1,312	80	88	99	110	121	132	143	153	164	175	186	197	11
1,475	90	99	111	123	136	148	160	173	185	197	210	222	12
1,639	100	110	123	137	151	164	178	192	206	219	233	247	14
3,279	200	219	247	275	301	329	356	383	411	438	466	493	27
4,918	300	329	370	411	452	493	536	575	617	658	699	740	41
6,557	400	438	493	548	603	658	712	767	822	877	931	986	55
8,197	500	548	617	685	754	822	891	959	1,028	1,096	1,165	1,233	69
9,836	600	658	740	822	904	986	1,068	1,151	1,233	1,315	1,397	1,479	82
11,475	700	767	863	959	1,055	1,151	1,247	1,343	1,439	1,534	1,630	1,726	96
13,115	800	877	986	1,096	1,205	1,315	1,425	1,534	1,644	1,753	1,863	1,973	110
14,754	900	986	1,110	1,233	1,356	1,480	1,603	1,726	1,850	1,973	2,096	2,219	123
16,393	1,000	1,096	1,233	1,370	1,507	1,644	1,781	1,918	2,055	2,192	2,329	2,466	137

¹Volumetric efficiency 80 percent; exhaust temperatures 1,200 °F.

²For 2-cycle engines, multiply value by 2 and for 4-cycle supercharged engines, multiply value by 1.25.

³The "RPM Differential" column gives the difference between RPM columns for interpolation purposes. Entries are to the nearest whole number.

General— All chart values are proportional, so a flow can be calculated for a 1,000-cubic-inch engine by doubling the flow figure for an identical engine but with 500-cubic-inch displacement. The same rule applies to revolutions per minute. Therefore, a flow can be calculated for a 3,600 maximum rpm engine by doubling the flow value of an identical engine but with 1,800 maximum rpm.

This chart may also be used like an interest table. If the engine has a cubic inch displacement of 438 at 2,600 revolutions per minute select readings from 400, 30, and 8 at 2,600 rpm. The sum of these is the flow rate. When revolutions per minute fall between columns, i.e., 1,600 to 1,800, 1,800 to 2,000, etc., take the next highest rpm column. To be more exact interpolate by using the "RPM Differential" value.

EXAMPLE: A 4-cycle gasoline engine has a total displacement of 133 cubic inches. If its maximum rpm is 3,200, what is the maximum exhaust flow?

Solution— 100 cu. in. displacement @ 3,200 rpm=219; 30=66; and 3=7; Sum=292 cfm.

**CHART III EXHAUST FLOW IN CUBIC FEET PER MINUTE AT MAXIMUM RATINGS¹
FOR 4-CYCLE GASOLINE OR PROPANE NATURALLY ASPIRATED ENGINES²
SUCH AS MOTORCYCLES, TRAIL BIKES, AND SMALL ENGINES
ENGINE DISPLACEMENT IN CUBIC CENTIMETERS; RPM 3,400 TO 14,000 INCLUDED**

Engine Displacement		Revolutions Per Minute											
<i>cubic cm</i>	<i>cubic inches</i>	3,400	3,600	3,800	4,000	5,000	6,000	7,000	8,000	9,000	10,000	12,000	14,000
1	.061	0	0	0	0	0	0	0	0	0	0	1	1
2	.122	0	0	0	0	0	1	1	1	1	1	1	1
3	.183	0	0	0	1	1	1	1	1	1	1	2	2
4	.244	1	1	1	1	1	1	1	1	2	2	2	2
5	.305	1	1	1	1	1	1	1	2	2	2	3	3
6	.366	1	1	1	1	1	2	2	2	2	3	3	4
7	.427	1	1	1	1	1	2	2	2	3	3	4	4
8	.488	1	1	1	1	2	2	2	3	3	3	4	5
9	.549	1	1	1	2	2	2	3	3	3	4	5	5
10	.610	1	2	2	2	2	3	3	3	4	4	5	6
16.1	1.00	2	2	3	3	3	4	5	5	6	7	8	9
20	1.22	3	3	3	3	4	5	6	7	8	8	10	12
30	1.83	4	5	5	5	6	8	9	10	11	13	15	18
40	2.44	6	6	6	7	8	10	12	13	15	17	20	23
50	3.05	7	8	8	8	11	13	15	17	19	21	25	30
60	3.66	9	9	10	10	13	15	18	20	23	25	30	35
70	4.27	10	11	11	12	15	18	20	24	26	29	35	41
80	4.88	11	12	13	13	17	20	23	27	30	34	40	47
90	5.49	13	14	14	15	19	23	26	30	34	38	45	53
100	6.10	14	15	16	17	21	25	29	33	38	42	50	59
163.9	10.00	23	25	26	27	34	41	48	54	61	68	82	95
200	12.20	29	30	32	33	42	50	59	67	75	84	101	117
300	18.31	43	45	48	50	63	75	89	100	113	126	151	176
400	24.41	57	61	64	67	84	101	117	134	150	168	201	234
500	30.51	71	76	80	84	105	126	146	167	188	210	251	293
600	36.61	86	91	96	100	126	151	176	201	225	252	302	351
700	42.71	100	106	112	117	147	176	205	234	263	294	352	410
800	48.82	114	121	128	134	168	201	234	267	301	336	402	469
900	54.92	128	136	144	150	189	226	264	301	339	378	453	527
1,000	61.02	143	151	161	167	210	251	293	334	376	420	503	596
1,639	100.00	232	247	261	272	342	410	477	545	612	685	820	955

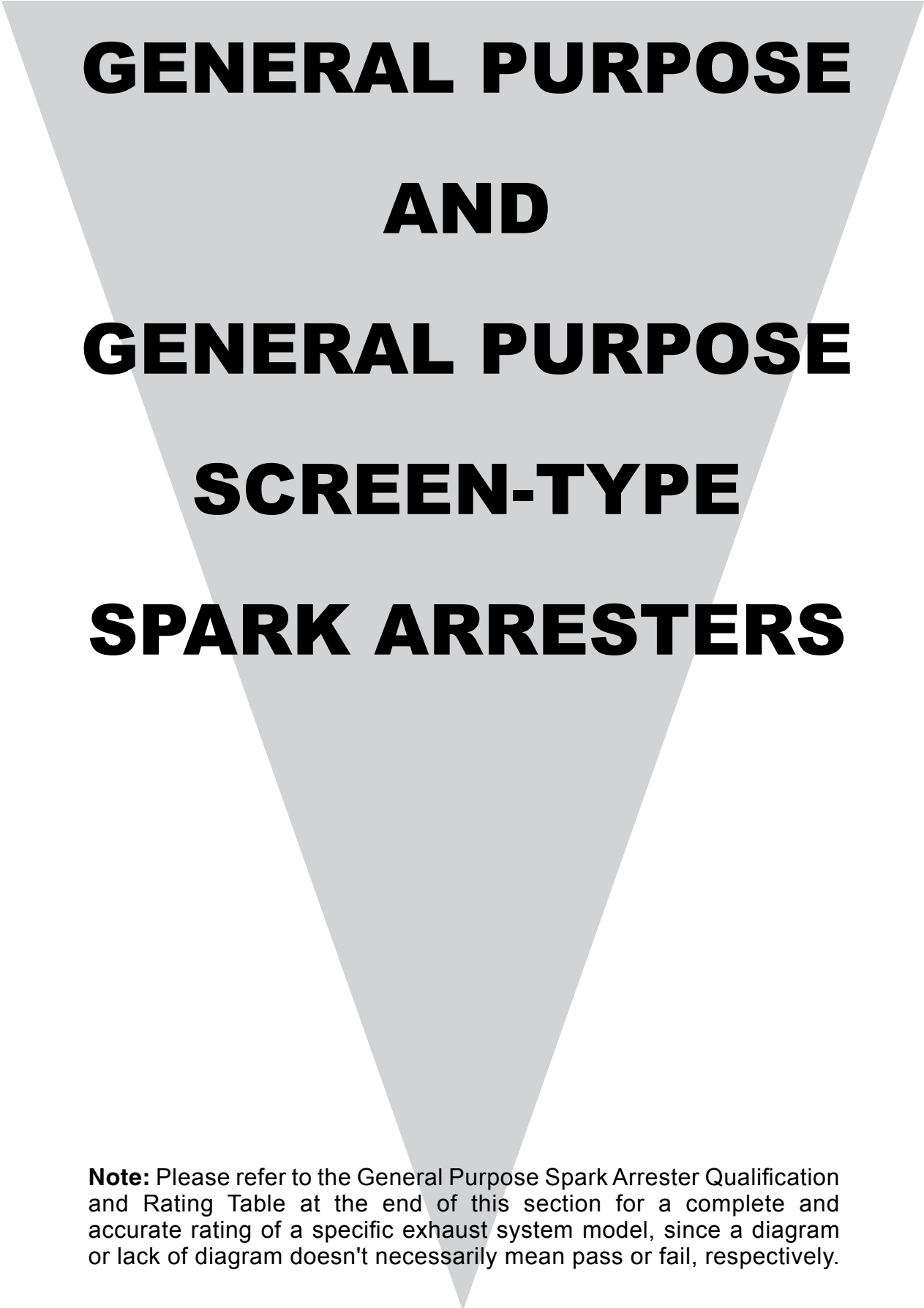
¹Volumetric efficiency 80 percent; exhaust temperatures 1,200 °F.

²For 2-cycle engines, multiply value by 2.

General. —All chart values are proportional, so a flow can be calculated for a 1,000-cubic-inch engine by doubling the flow figure for an identical engine but with 500-cubic-inch displacement. The same rule applies to revolutions per minute. Therefore, a flow can be calculated for a 3,000 maximum rpm engine by doubling the flow value of an identical engine but with 1,500 maximum rpm.

The chart may also be used like an interest table. If a 2-cycle motorcycle has a cubic centimeter displacement of 125 at 7,500 revolutions per minute, select readings from 100, 20, and 5 in the 8,000 rpm column. The sum of these is the flow rate for a 4-cycle engine. When revolutions per minute fall between columns, i.e., 7,000 to 8,000, etc., take the next highest column. To be more exact, interpolate. For the 2-cycle engine, multiply the chart value by two.

NOTES

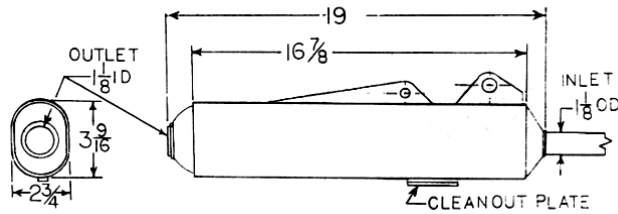


GENERAL PURPOSE AND GENERAL PURPOSE SCREEN-TYPE SPARK ARRESTERS

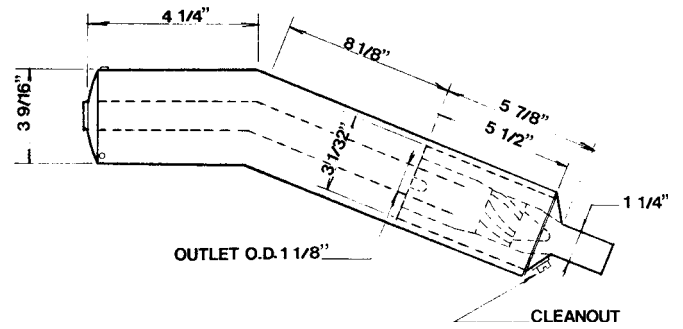
Note: Please refer to the General Purpose Spark Arrester Qualification and Rating Table at the end of this section for a complete and accurate rating of a specific exhaust system model, since a diagram or lack of diagram doesn't necessarily mean pass or fail, respectively.

ACERBIS • ACTIVE EXHAUST CORP

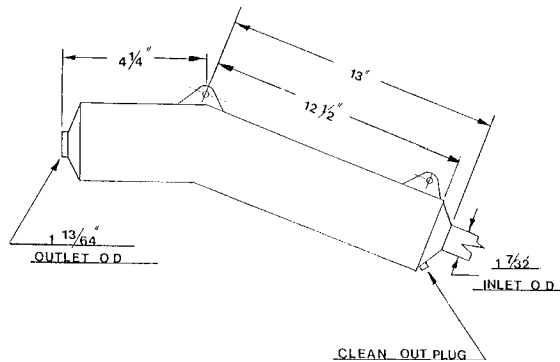
ACERBIS



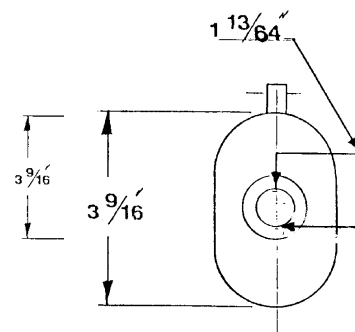
035 MFS-2



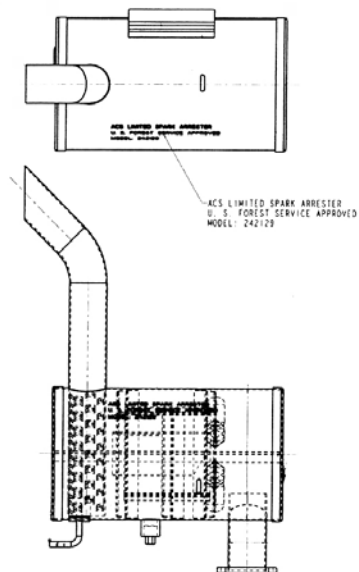
035 MFS-5



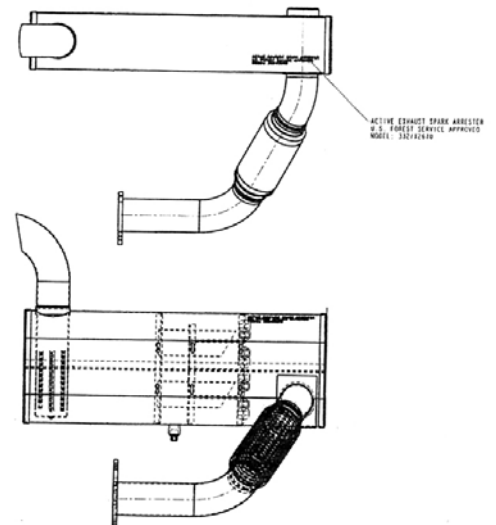
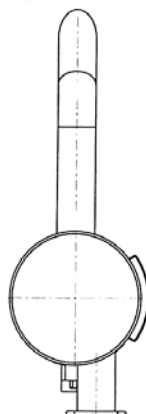
035 MFS-6



ACTIVE EXHAUST CORP



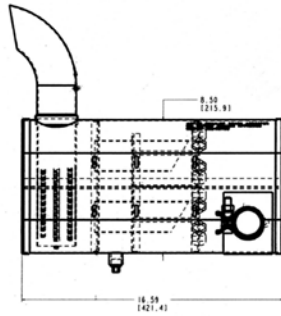
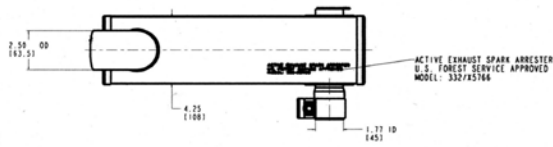
AEC 119-3860



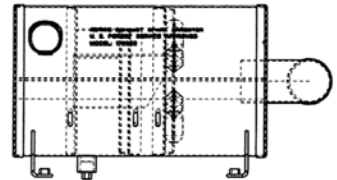
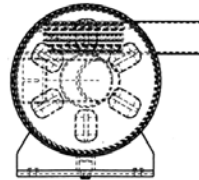
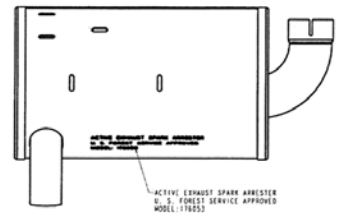
AEC 332/x2670

ACTIVE EXHAUST CORP

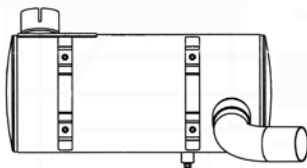
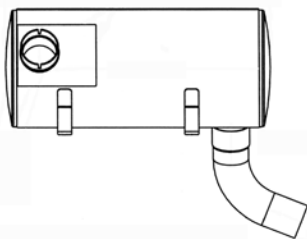
ACTIVE EXHAUST CORP



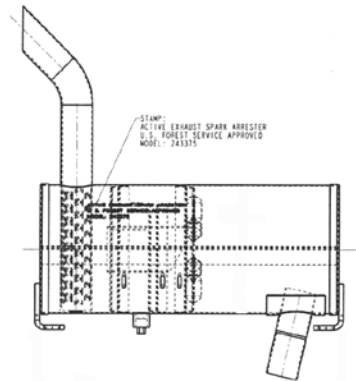
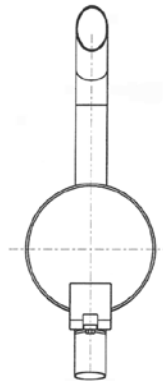
AEC 332/5766



AEC 176053



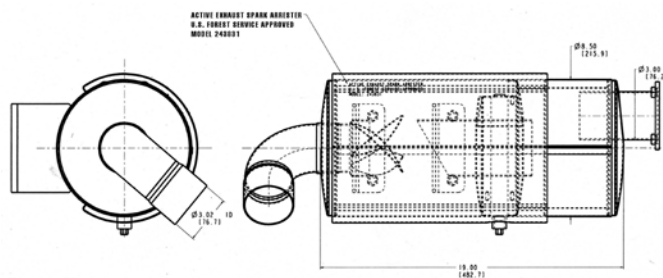
**AEC 193120
ACS 114-5589**



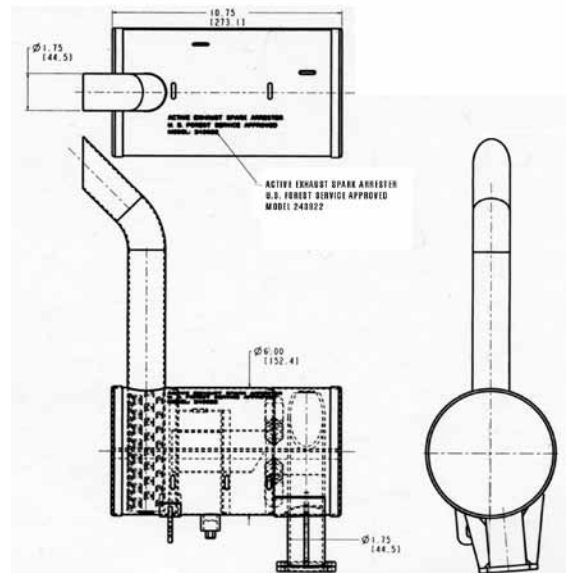
AEC 243375

ACTIVE EXHAUST CORP

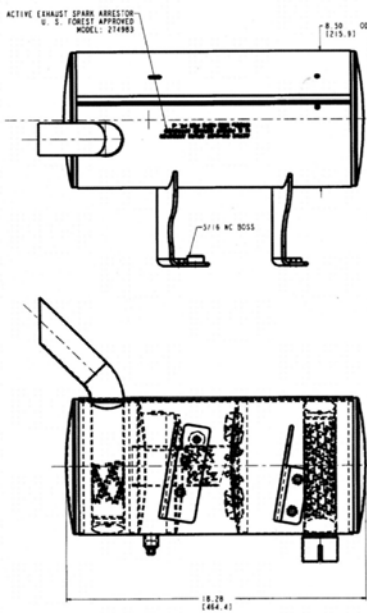
ACTIVE EXHAUST CORP



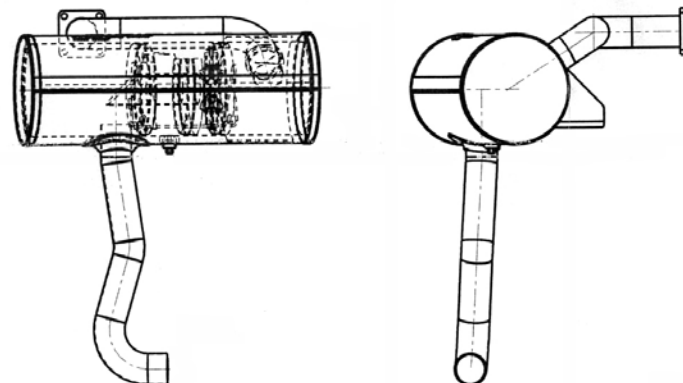
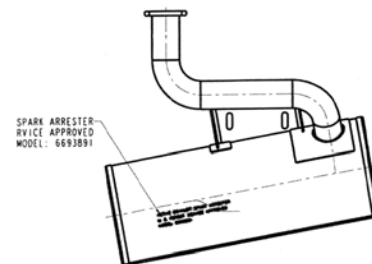
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AEC 243922



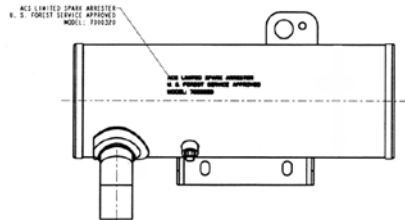
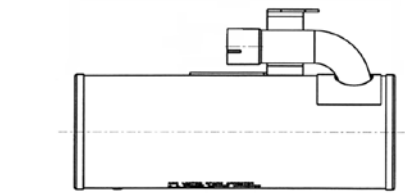
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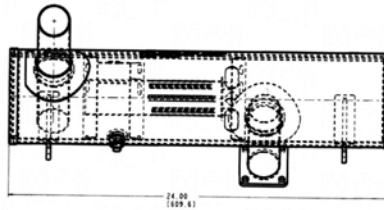
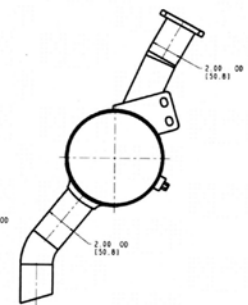
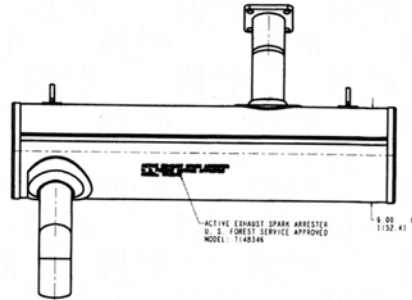
AEC 6693891

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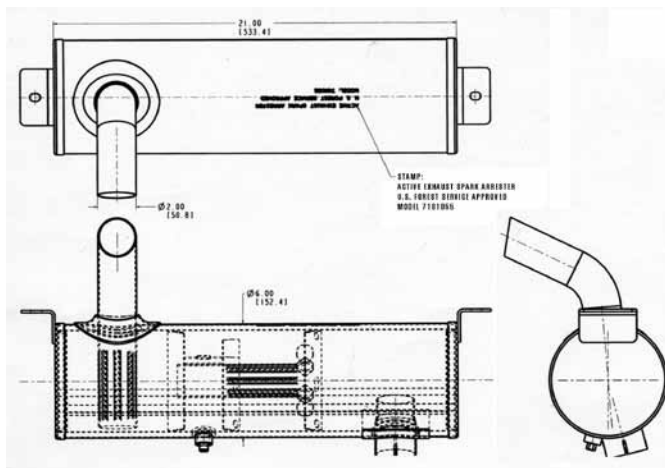
ACTIVE EXHAUST CORP



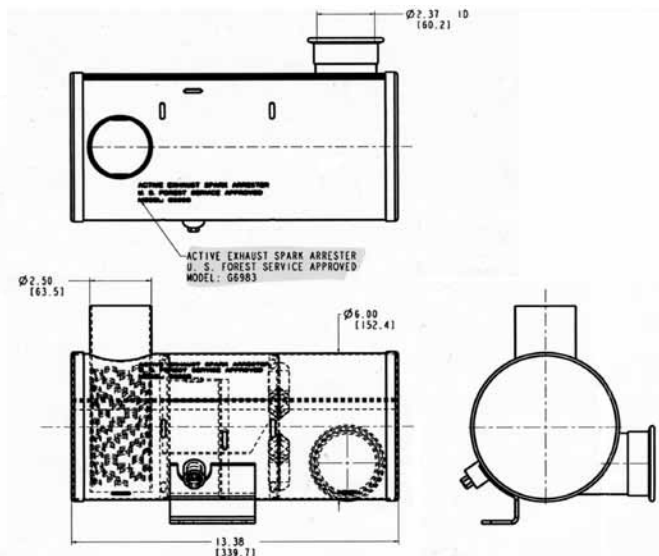
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AEC 7148346



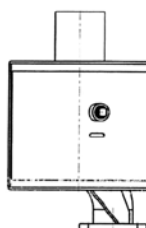
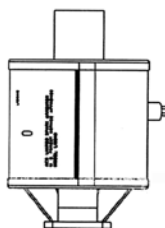
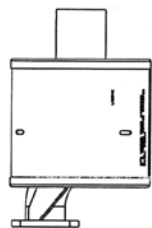
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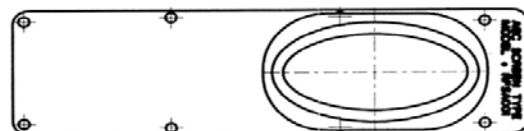
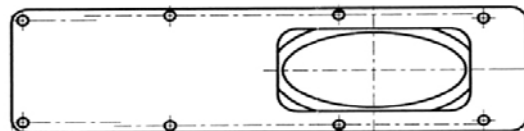
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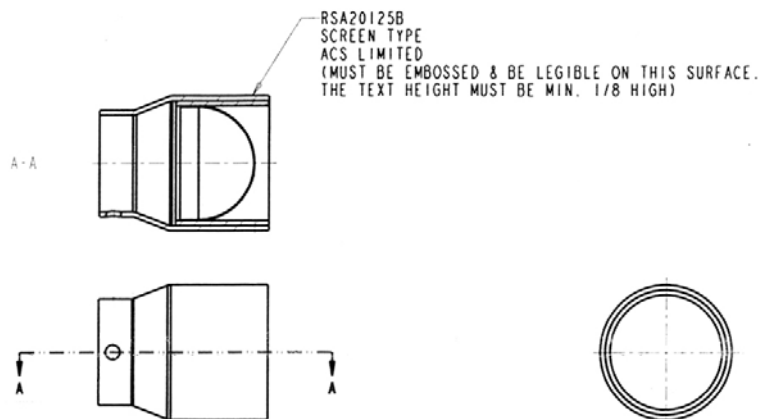
ACTIVE EXHAUST CORP



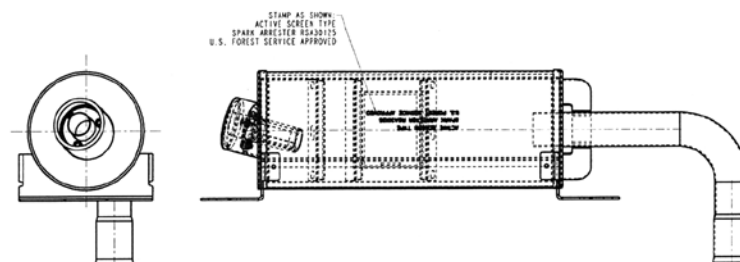
AEC L13349



AEC RFSA001



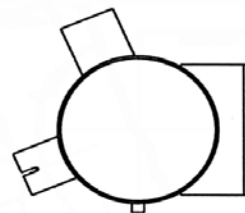
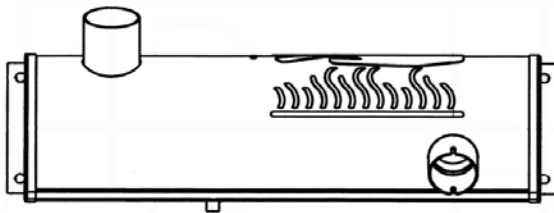
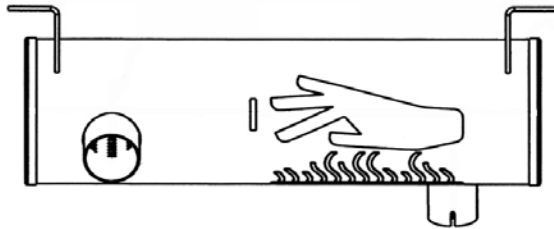
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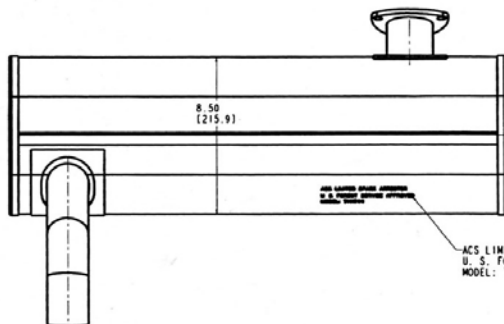
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ADVANCED CAR SPECIALTIES

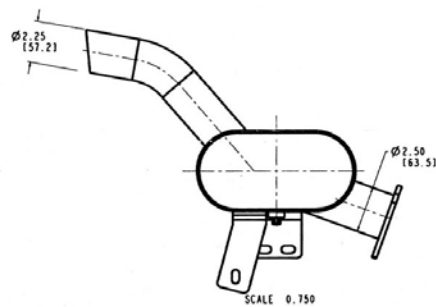
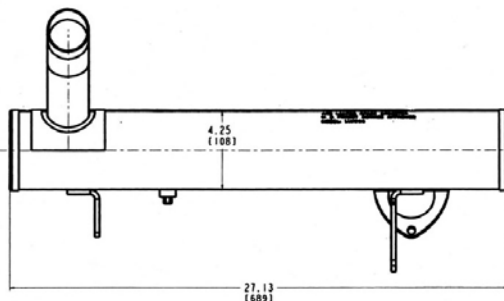
ADVANCED CAR SPECIALTIES



ACS 17999012



ACS LIMITED SPARK ARRESTER
U. S. FOREST SERVICE APPROVED
MODEL: 7141744

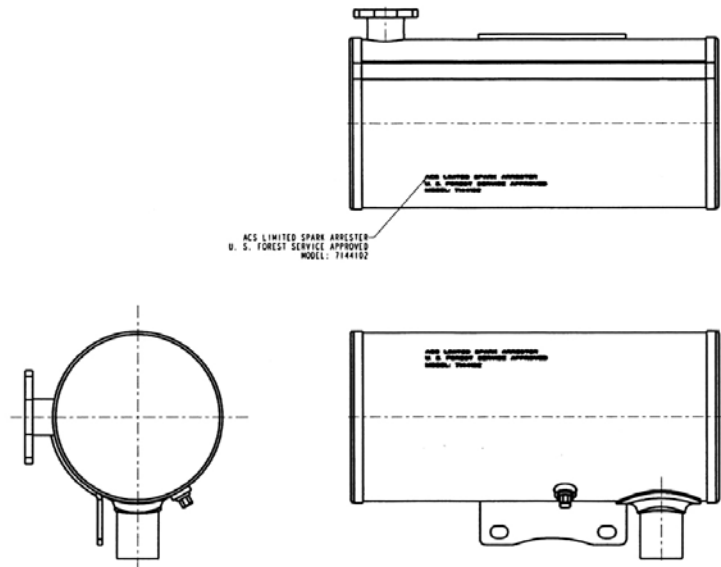


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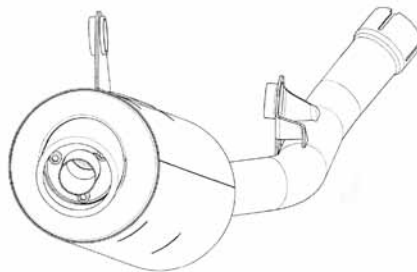
ACS 7141744

ADVANCED CAR SPECIALTIES

ADVANCED CAR SPECIALTIES



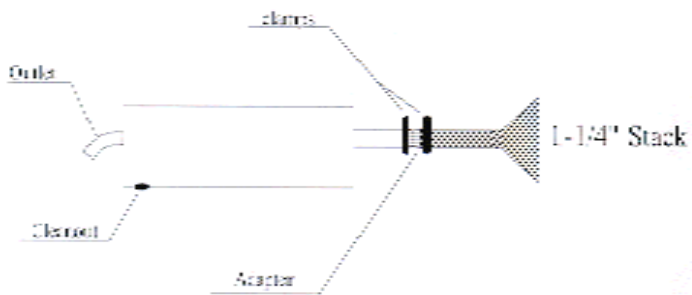
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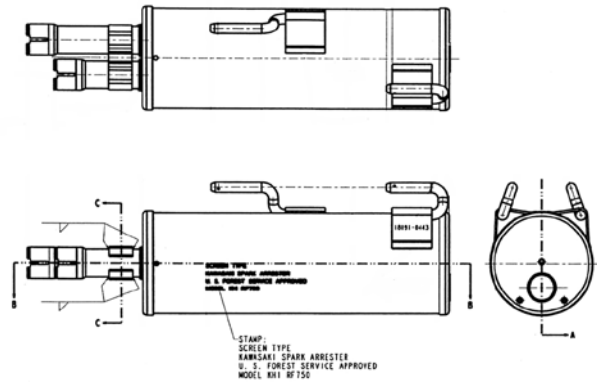
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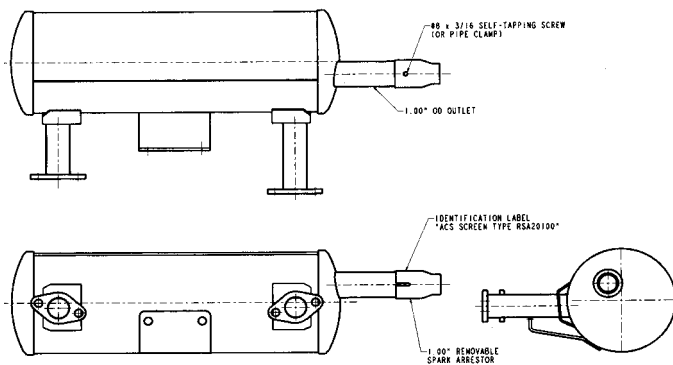
ADVANCED CAR SPECIALTIES



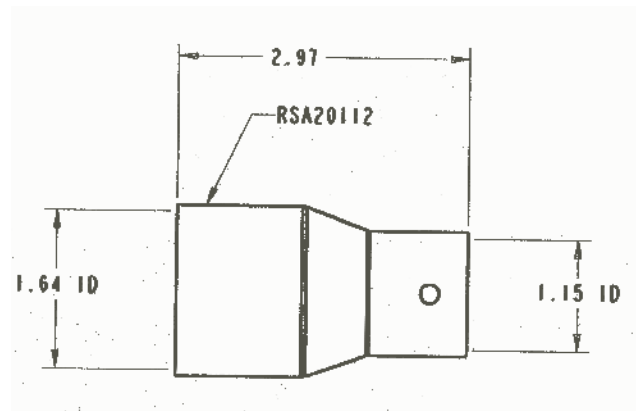
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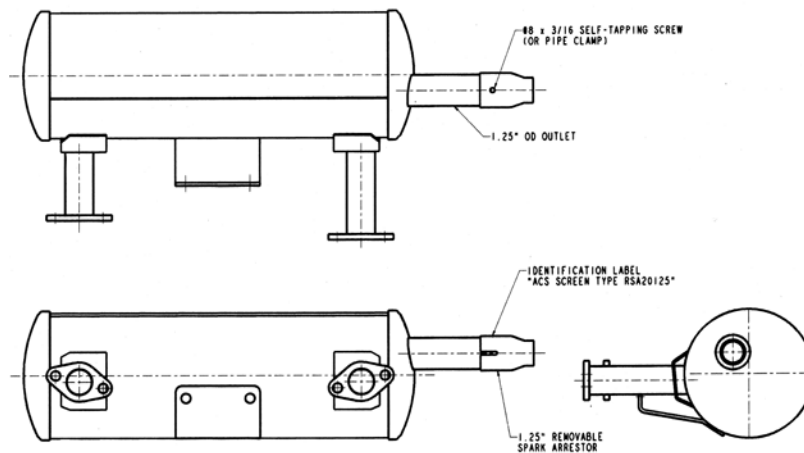
ACS KHI RF750



RSA 20100A



RSA 20112



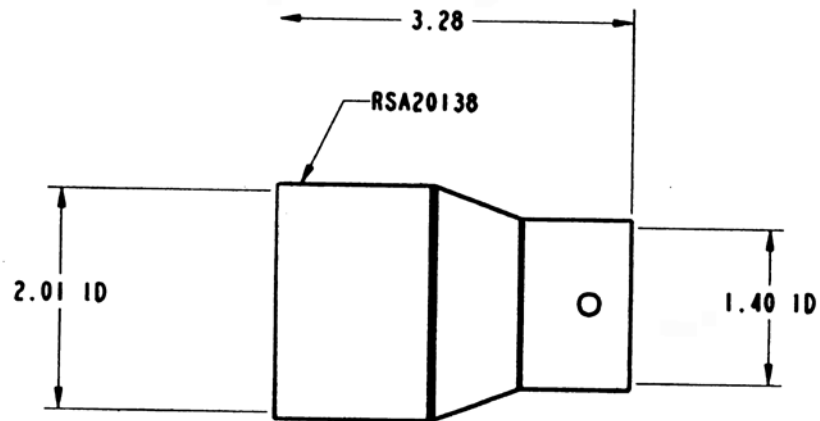
RSA 20125

ADVANCED CAR SPECIALTIES

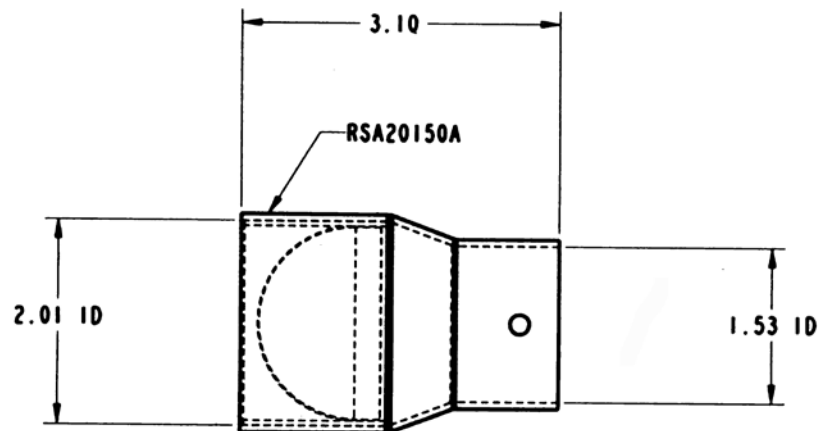
ADVANCED CAR SPECIALTIES



RSA 20125A



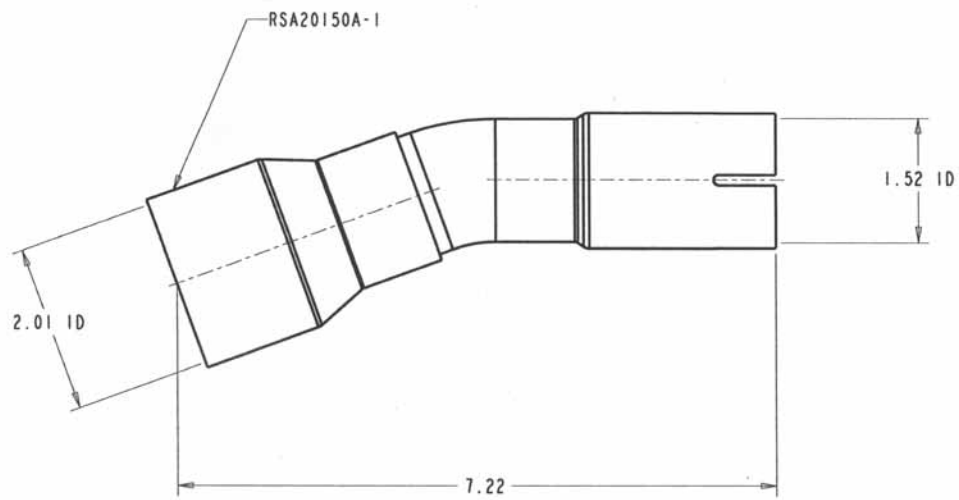
RSA 20138



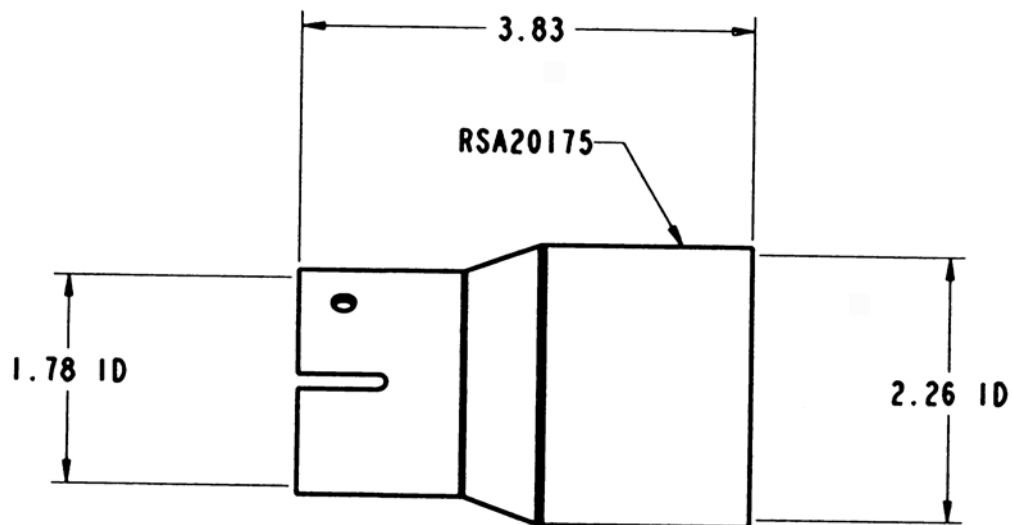
RSA 20150A

ADVANCED CAR SPECIALTIES

ADVANCED CAR SPECIALTIES



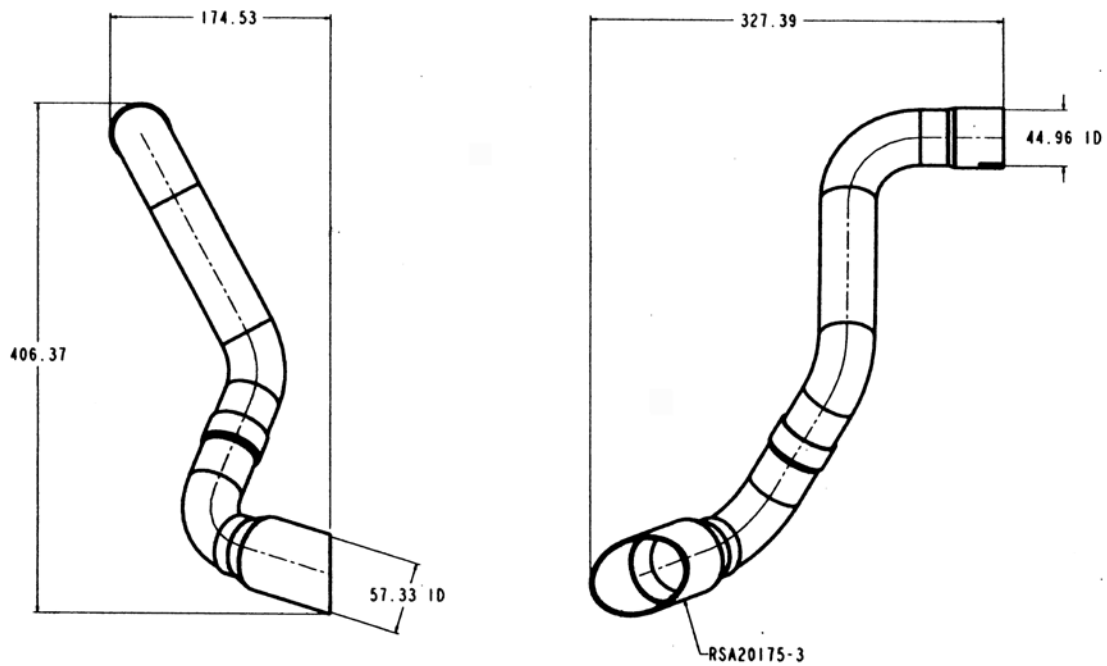
RSA 20150A-1



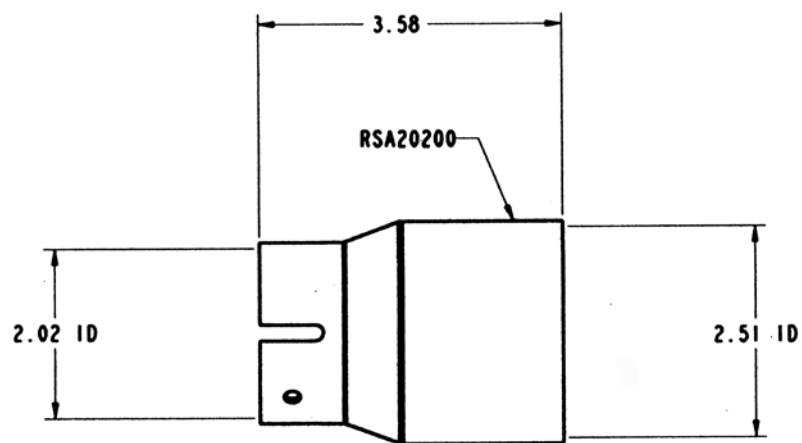
RSA 20175

ADVANCED CAR SPECIALTIES

ADVANCED CAR SPECIALTIES



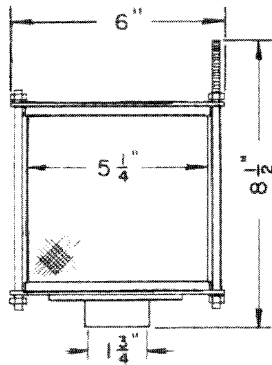
RSA 20175-3



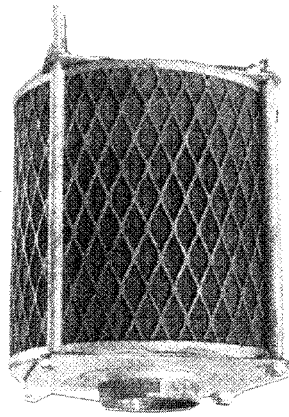
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AIR-MAZE

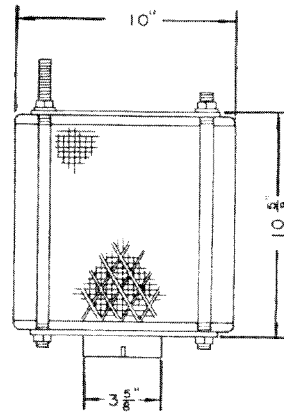
AIR-MAZE



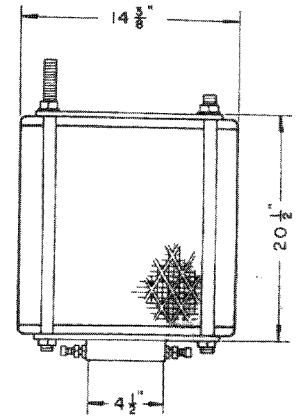
4-FA*



10-FA*

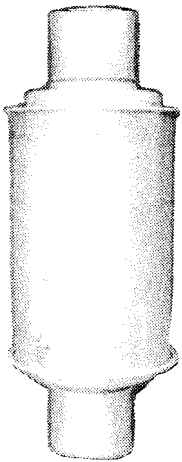


10-FA*

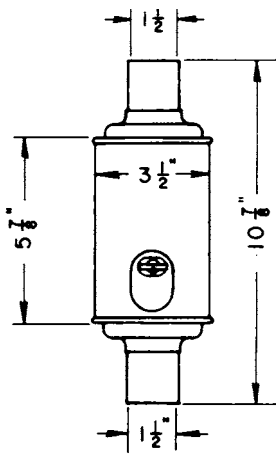


146-FA*

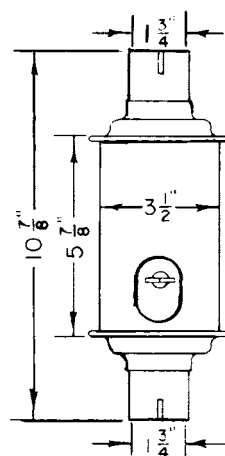
* The model designation indicates a minimum and maximum inlet size. Several inlet sizes are available.



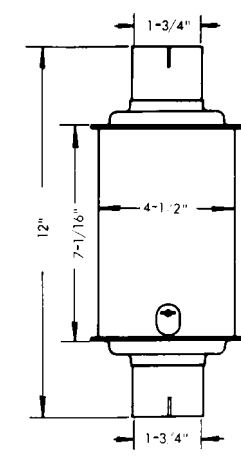
C19035



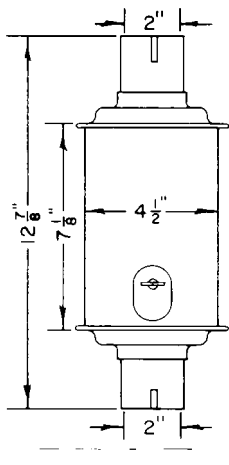
C19035-3



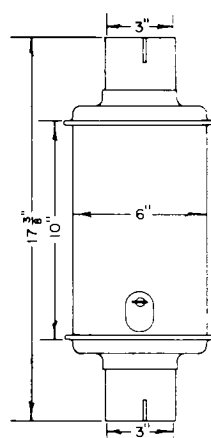
C19035-4



C19035-5



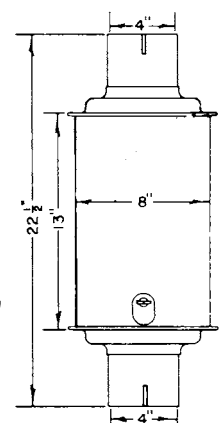
C19035-6



C19035-7 & 8

Model C19035-7 has 2-1•2" inlet and outlet dimensions identical.

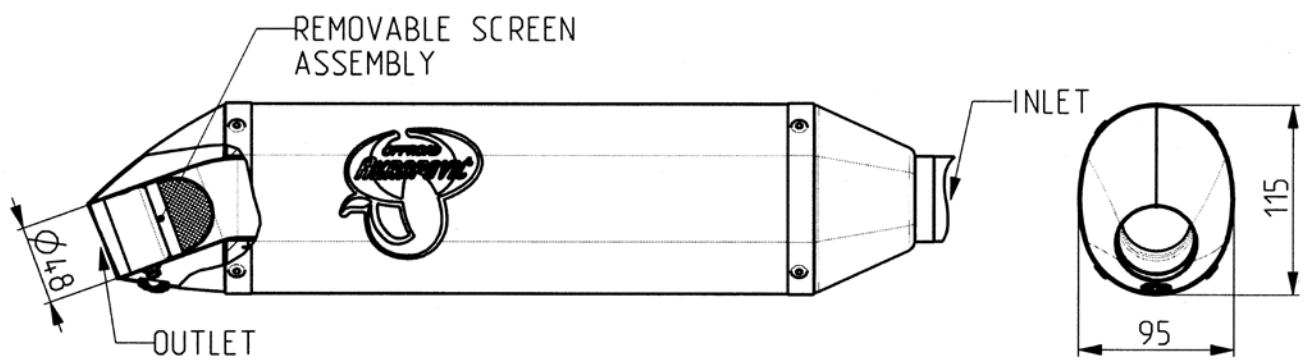
Model C19035- has 3-1•2" inlet and outlet dimensions.



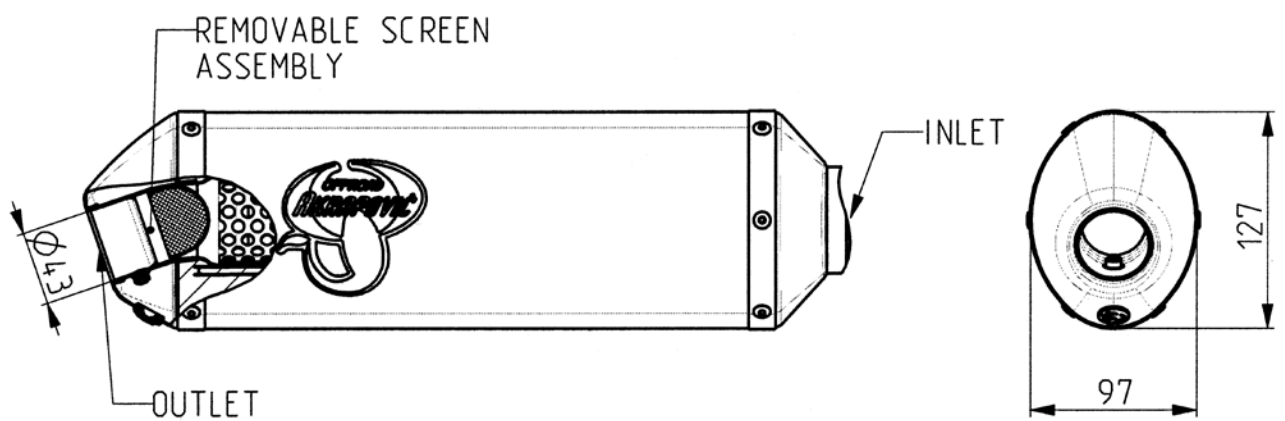
C19035-9 & 10

AKRAPOVIC

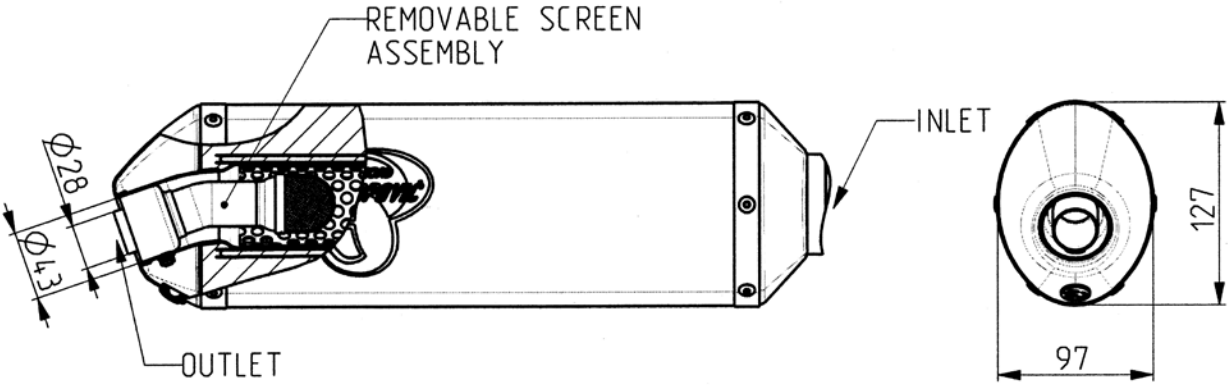
AKRAPOVIC



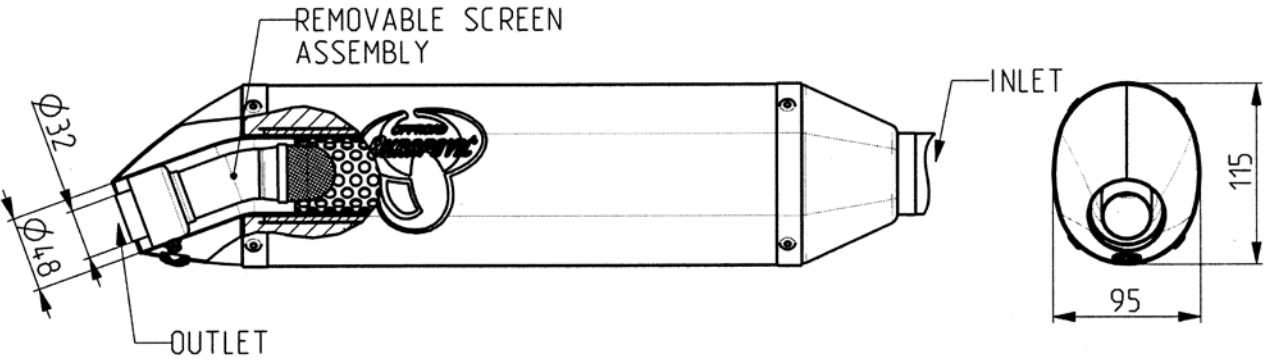
SA-001



SA-002



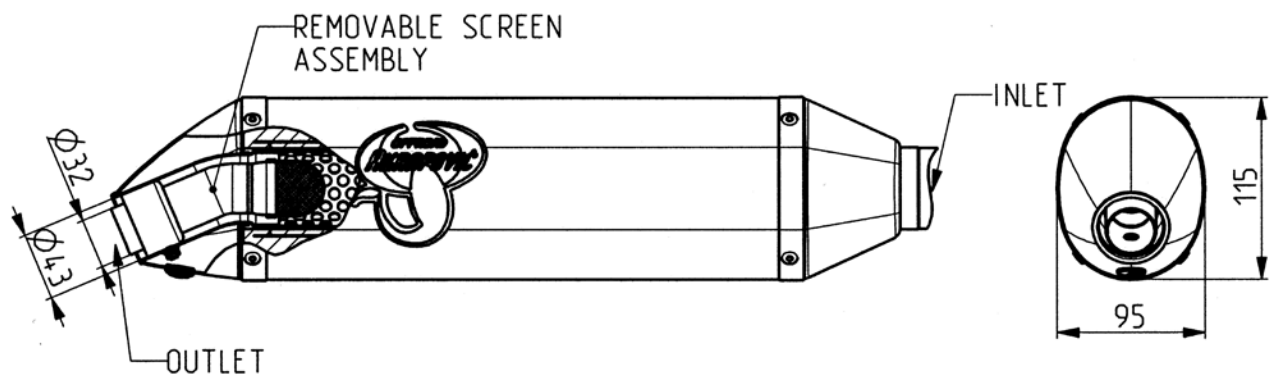
SA-003



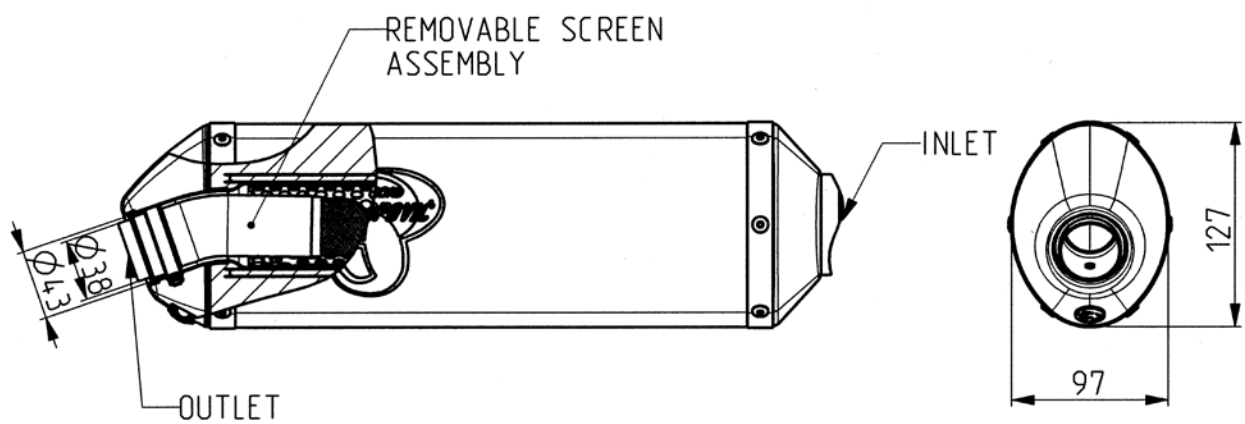
SA-004, 005, 006

AKRAPOVIC

AKRAPOVIC



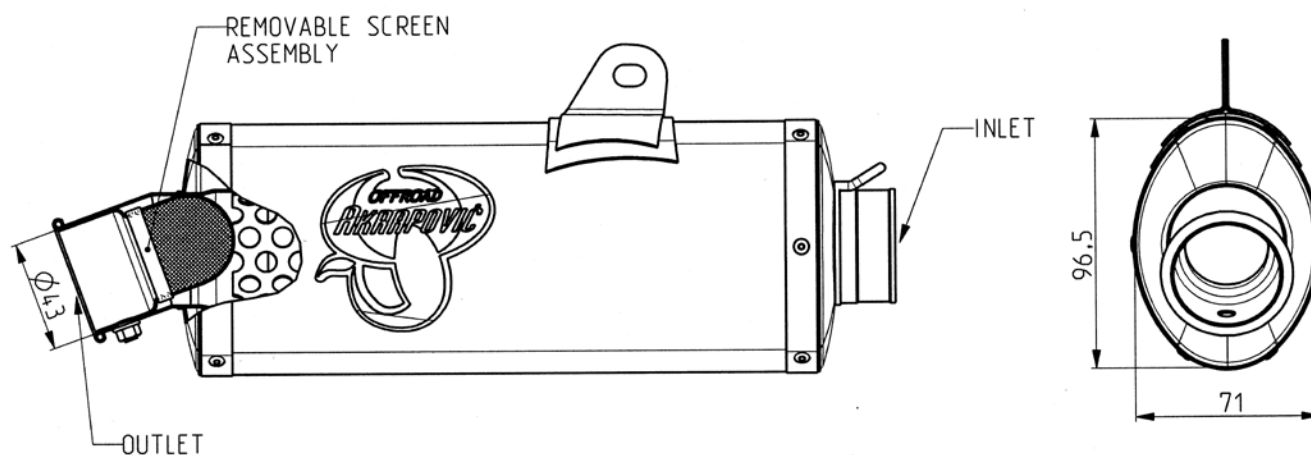
SA-010



SA-011

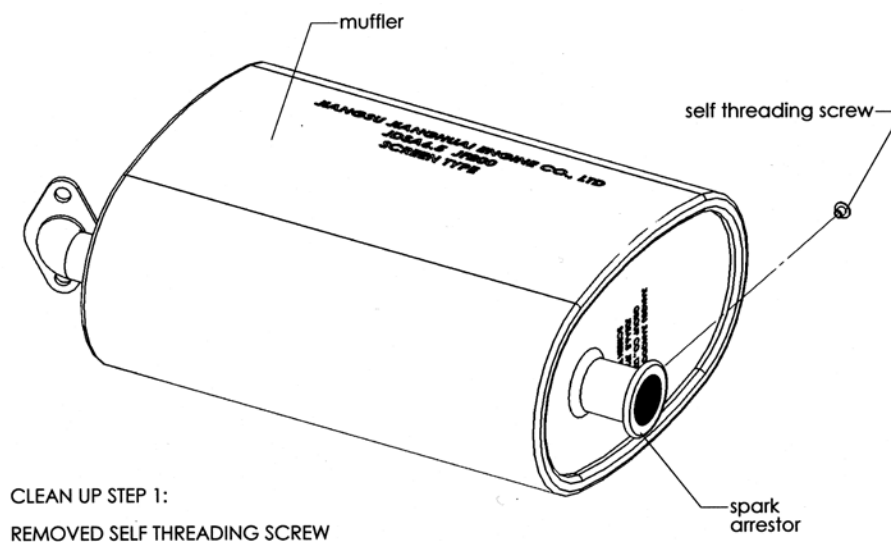
AKRAPOVIC • AMERICAN JD GROUP

AKRAPOVIC



SA-012

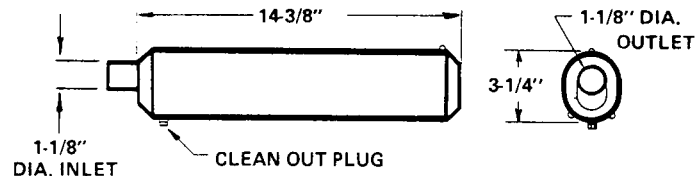
AMERICAN JD GROUP



AMERICAN JD JDS6-5

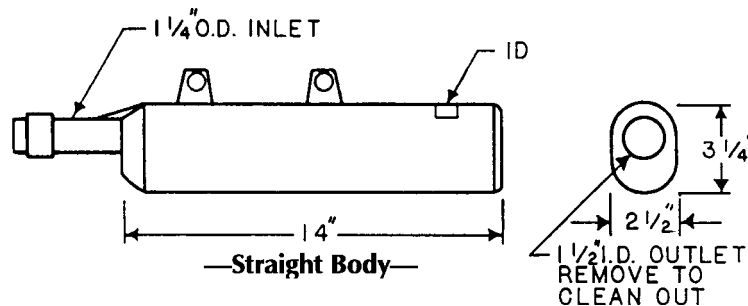
AN KRIZMAN • ANSWER PRODUCTS • ANSWER, J&R

AN KRIZMAN



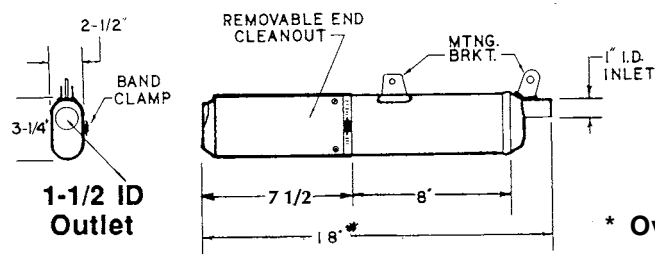
KS 650-O

ANSWER PRODUCTS



AP-650-M

ANSWER, J&R



* Overall length may vary.

AP 650-C

For Answer, J&R; AP-500D

See Husqvarna-Krizman KS-500D

For Answer, J&R; AP-650

See J&R Krizman KS-650

For Answer, J&R; AP-650A See J&R Krizman KS-650A

For Answer, J&R; AP-650C Approved as J&R Krizman KS-650C in an oval muffler

For Answer, J&R; AP-650-0 See J&R Krizman KS-650-0

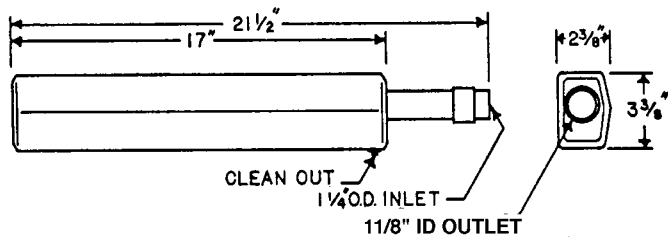
For Answer, J&R; SA-PRO2

See J&R Krizman KS-650-0

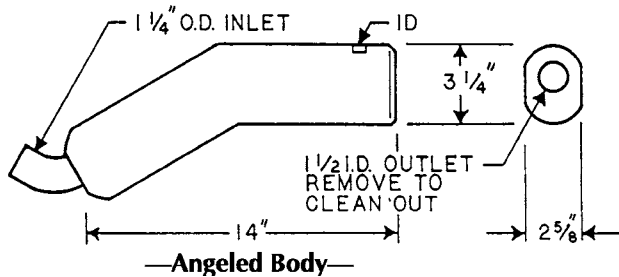
NOTE: The removable end cleanout must be held in place by the band clamp.
Welding the removable end cleanout in place is not permitted.

ANSWER, J&R • A.P. PARTS • ARCTIC CAT

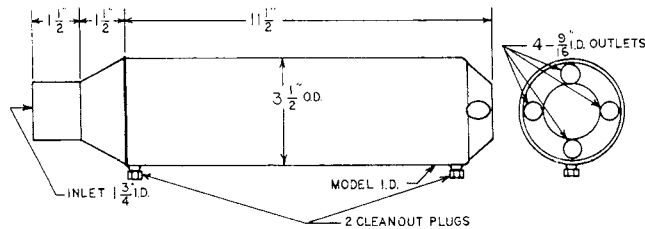
ANSWER, J&R



AP-650-D



AP-650-M



AP-650-4

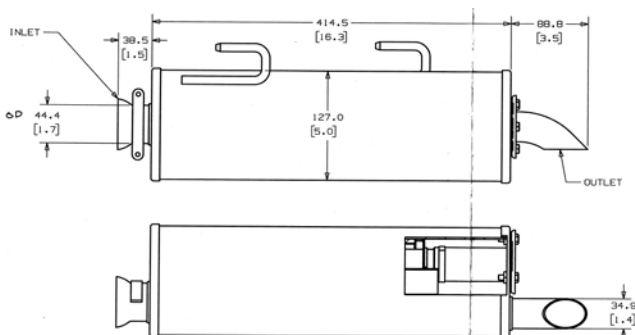
A.P. PARTS



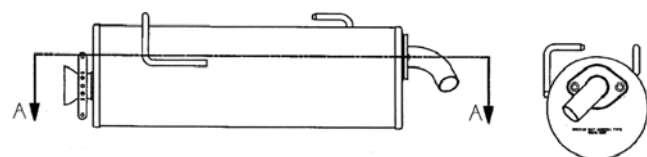
For A.P. Parts

83931893	see Donaldson FCM06-0037
83931908	see Donaldson FCM06-5030
83931910	see Donaldson FCM07-0068
83931921	see Donaldson FCM07-0069
83931933	see Donaldson FCM08-0024
83933880	see Donaldson FCM09-0091
83933892	see Donaldson FCM10-0016

ARCTIC CAT



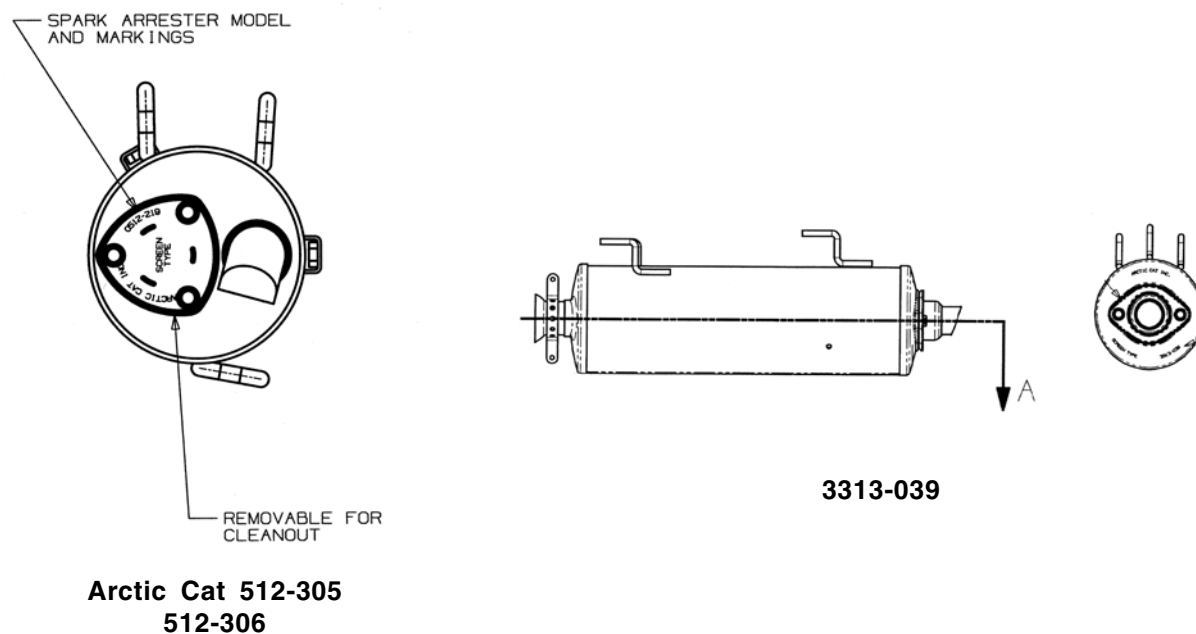
0512-219



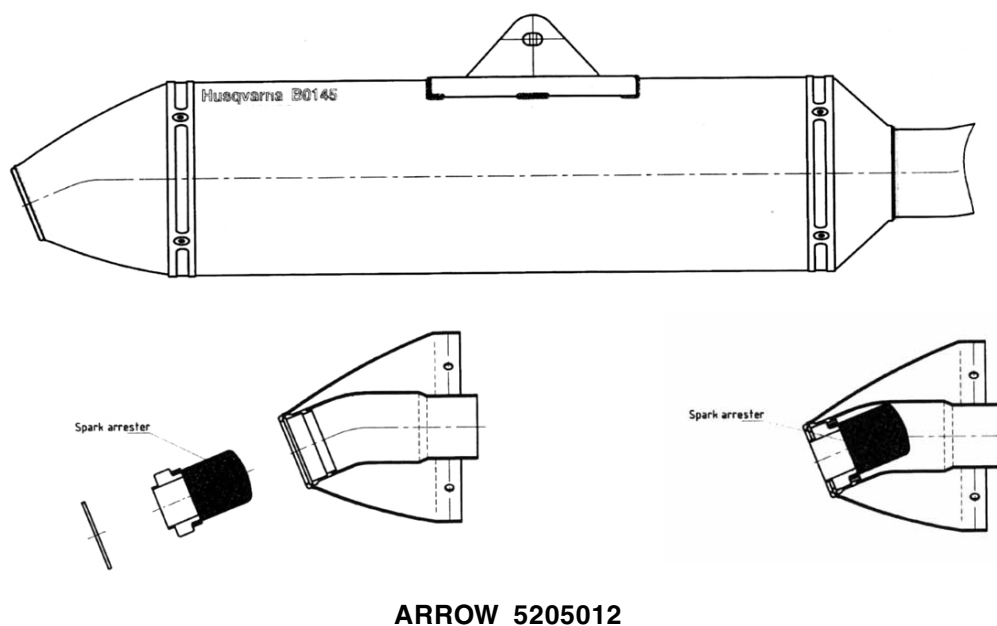
0512-398

ARCTIC CAT • ARROW SPECIAL PARTS • BARE

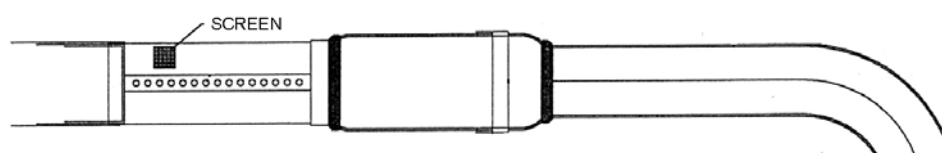
ARCTIC CAT



ARROW SPECIAL PARTS



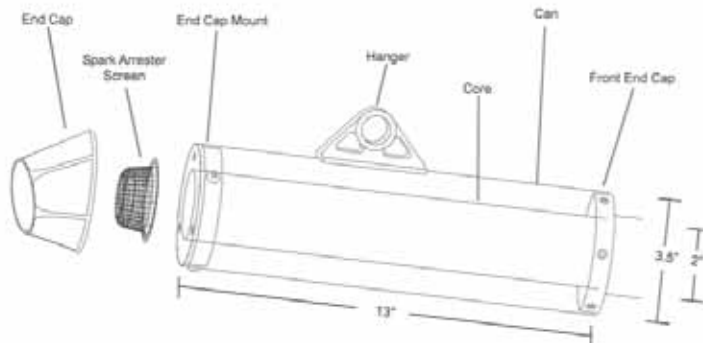
BARE



BARE 2008

BBR MOTORSPORTS • BERKELEY • BIG GUN • BIG ONE RACING

BBR MOTORSPORTS

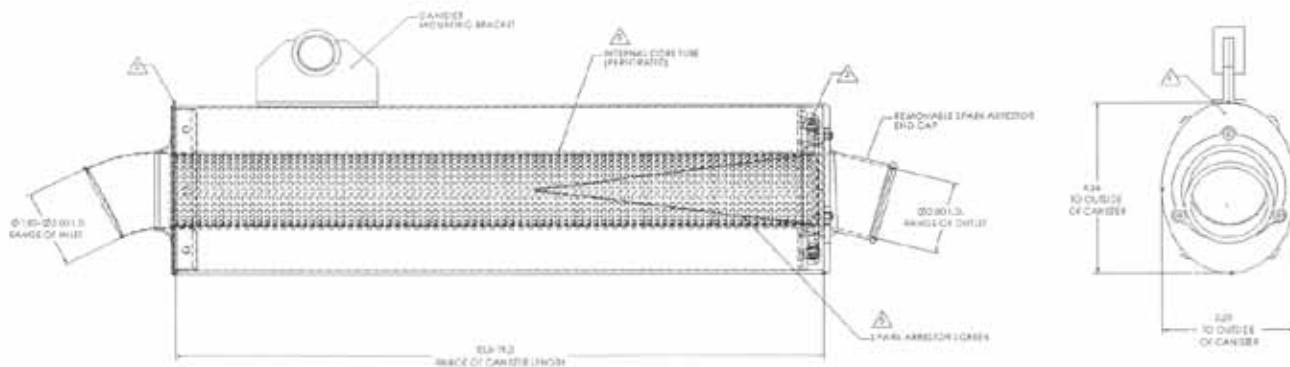


BBR-340-SA

BERKELEY

For Berkeley F70-01MC—see CEDCO No. 1
For Berkeley F70-02MC—see CEDCO No. 2

BIG GUN



BG2001-BG2002—same as
BigGun WB-2001

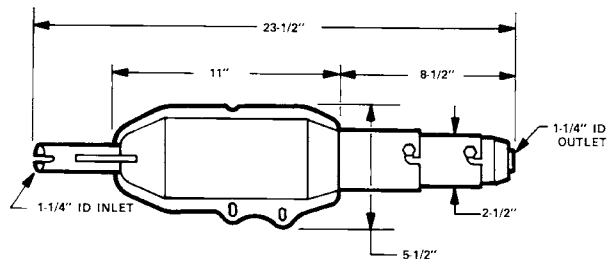
BIG ONE RACING



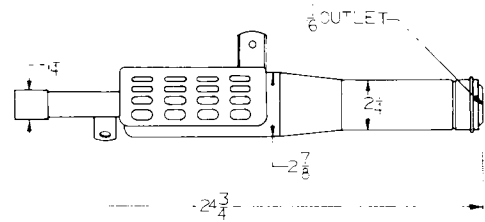
1812 7726378

BOMBARDIER • BOMBARDIER-KRIZMAN

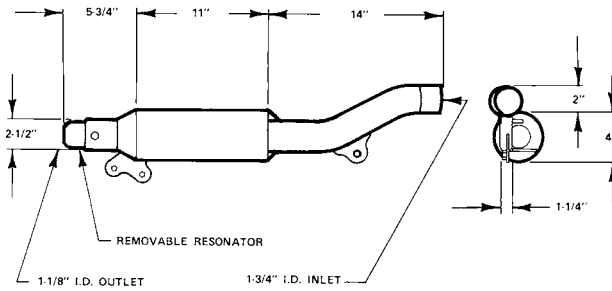
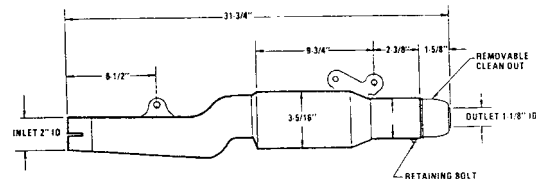
BOMBARDIER • BOMBARDIER-KRIZMAN



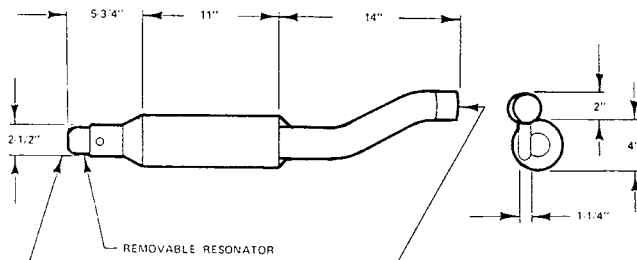
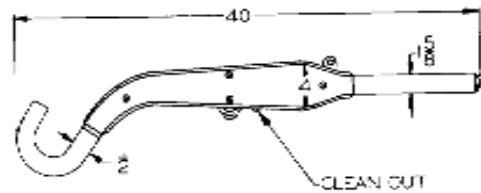
1980



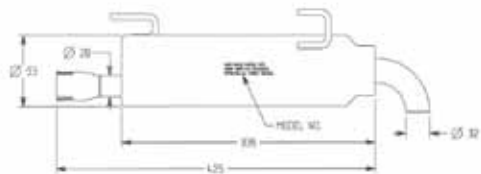
CA-950

**CA-952**

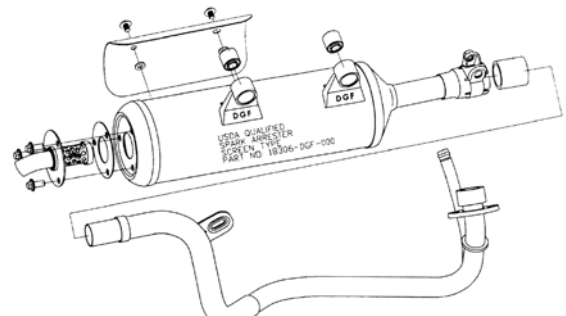
BOMBARDIER LIMITEE
CA-952-1

**CA-953**

KS-250

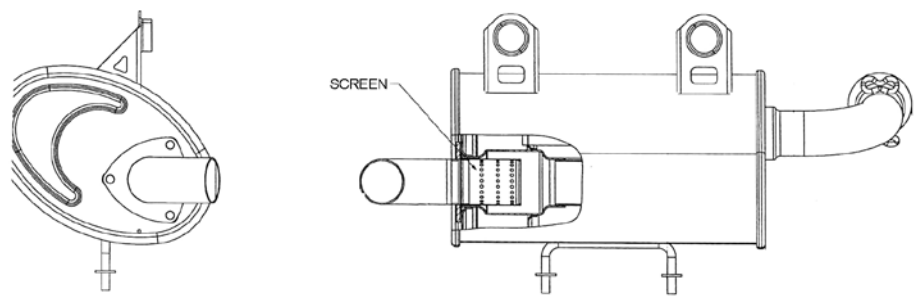


B0707600066

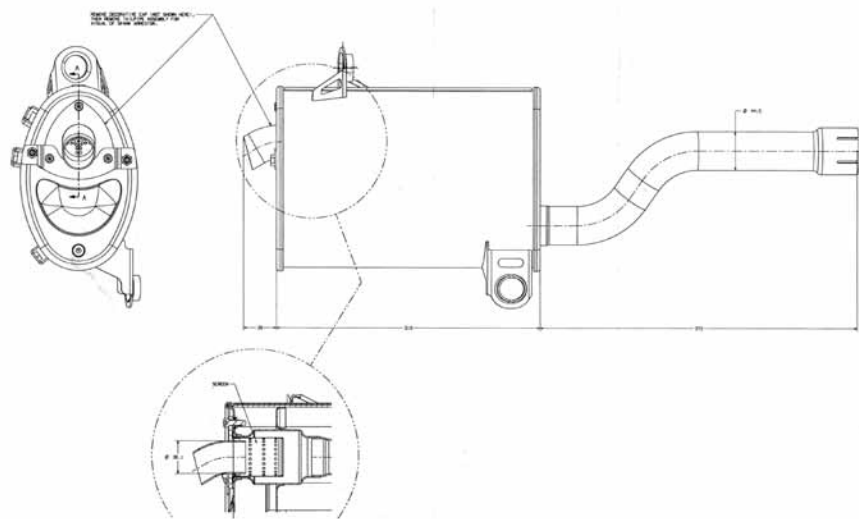


BOMBARDIER VIETNAM
18306-DGF-000

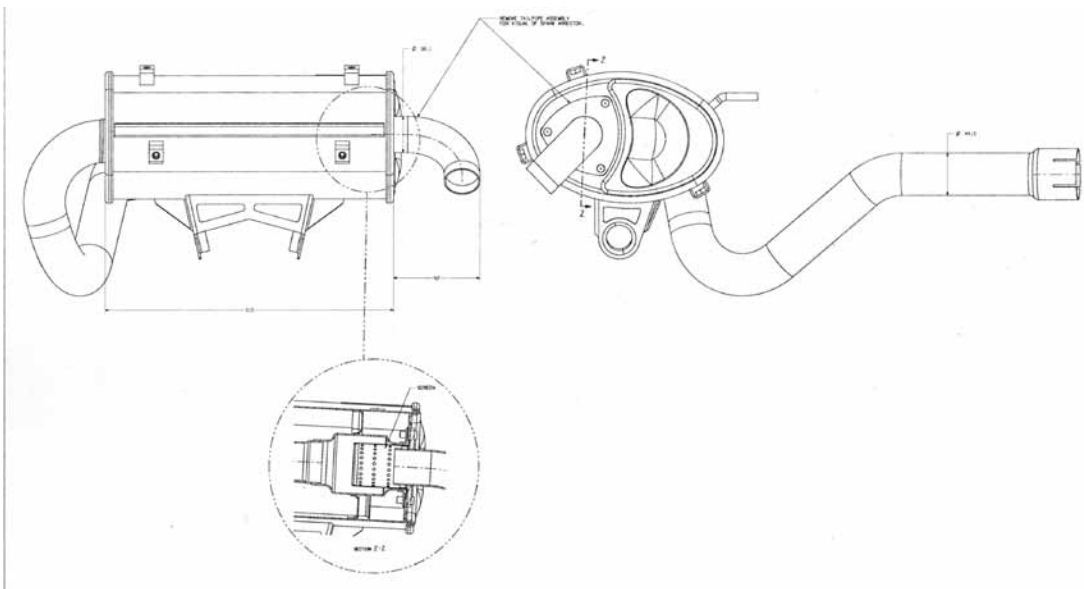
**No diagrams available for the following:
BOMBARDIER18300152
Refer to General Purpose Qualification Table
at end of section for rating.**



707600545



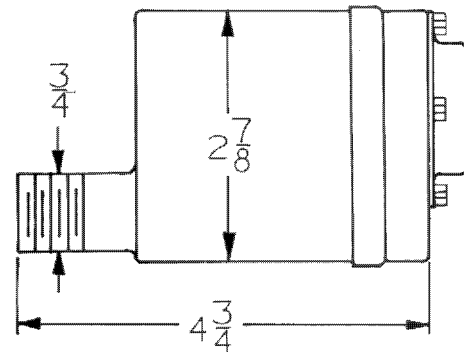
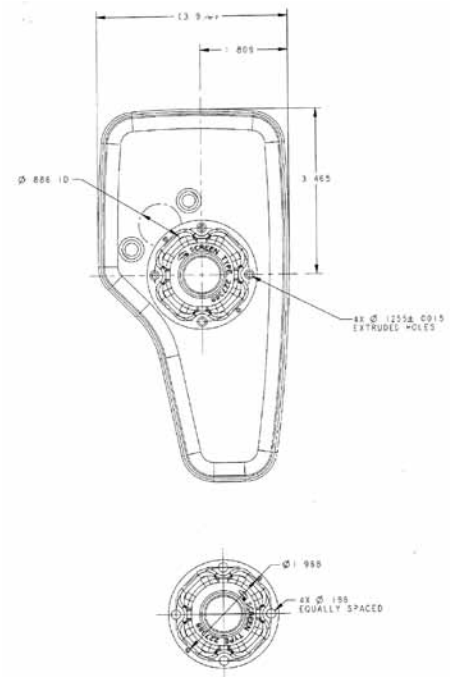
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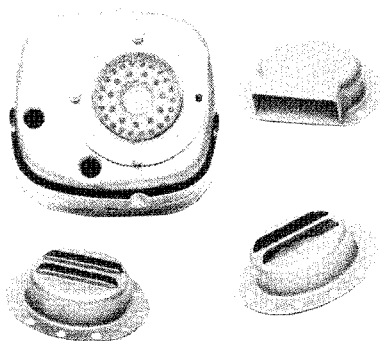
707600748



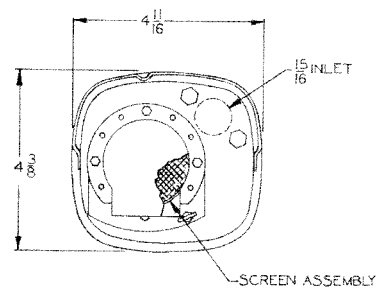
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391913



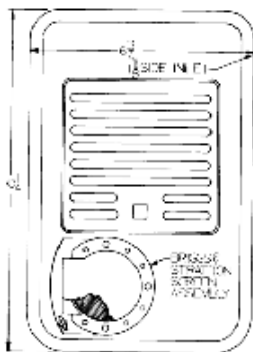
391913 or 393010



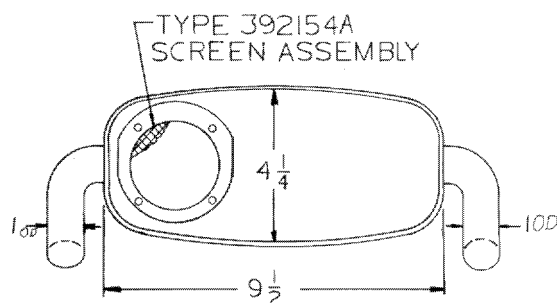
127

BRIGGS & STRATTON

BRIGGS & STRATTON

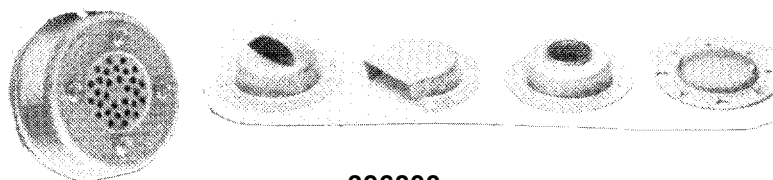


36742
Screen Assembly 392154



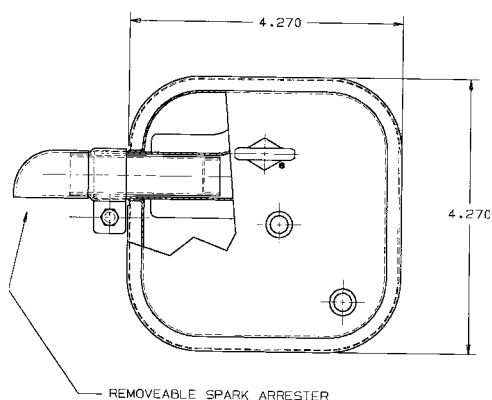
392154A

Spark arrester screen for use on
Briggs & Stratton muffler numbers
392999 and 393281.

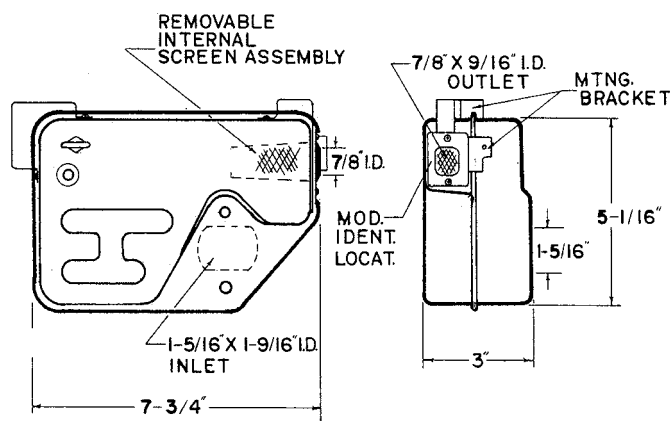


396800

Briggs & Stratton model 392154 screen assembly on 392989 muffler body—note
screen assembly 392154 and 392154A are interchangeable. See drawing 391911
or 391912 on page 68.



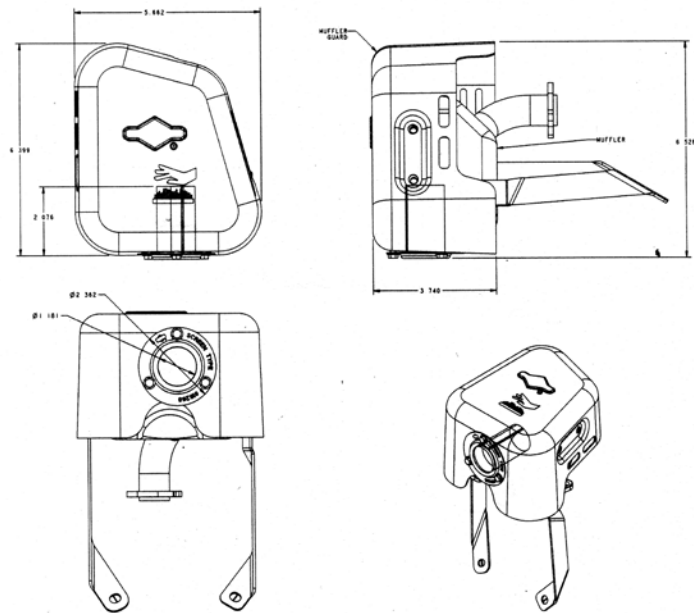
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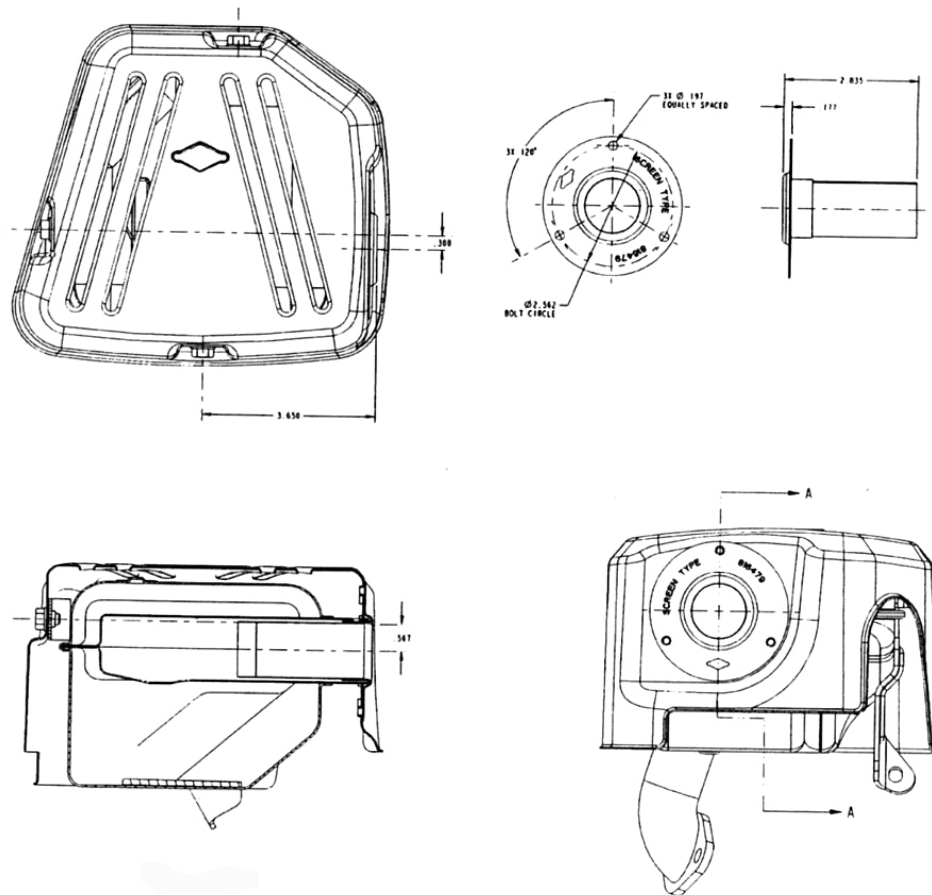
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BRIGGS & STRATTON

BRIGGS & STRATTON



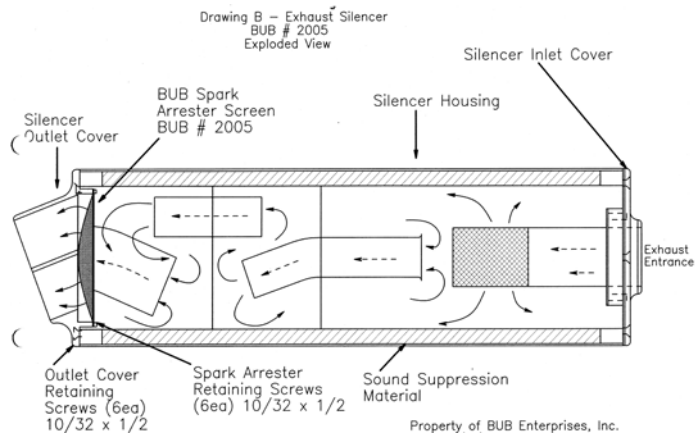
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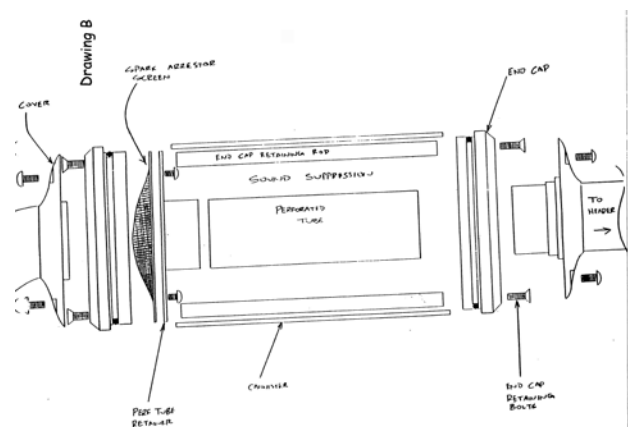
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BUB ENTERPRISES • BURGESS-MANNING

BUB ENTERPRISES

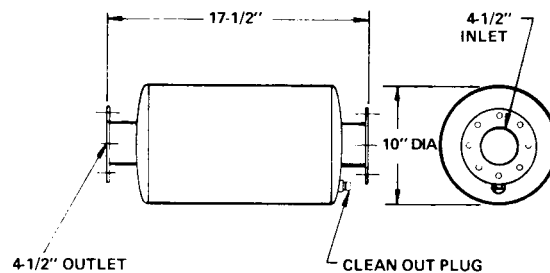


BUB 2005

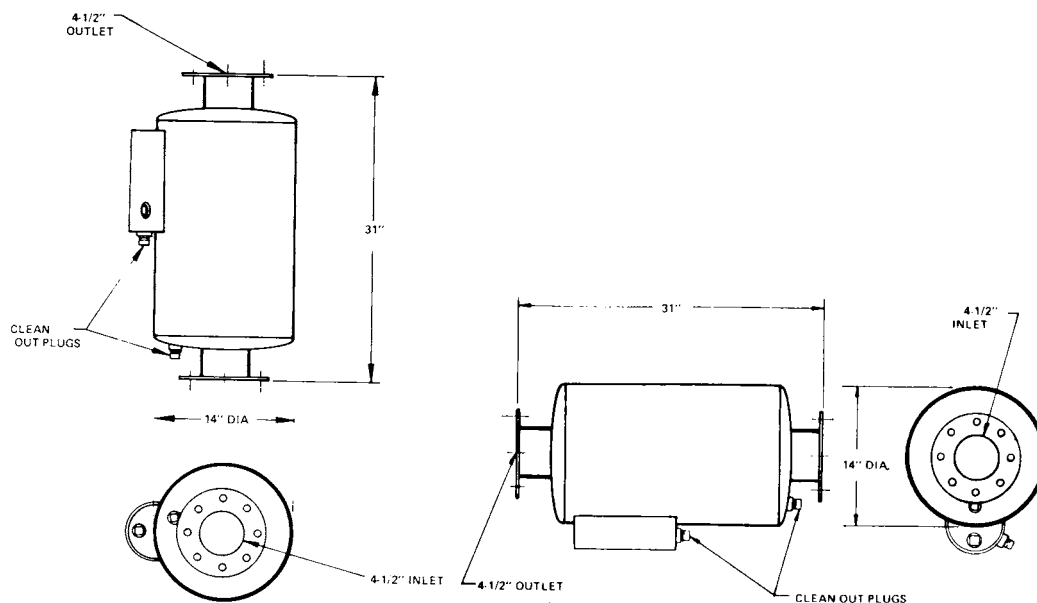


BUB G2187

BURGESS-MANNING

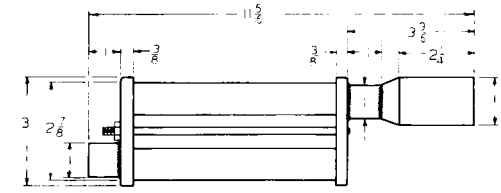


SAT-4



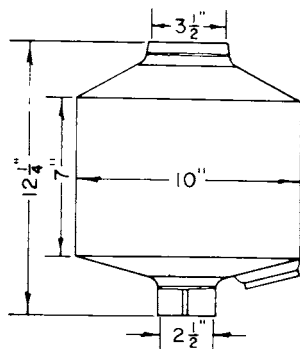
SDMC-4

CAL-TUBE

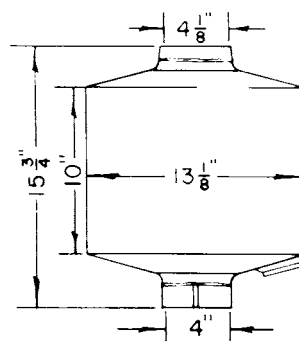


12853

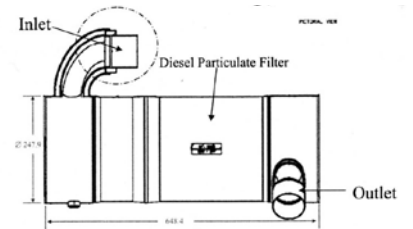
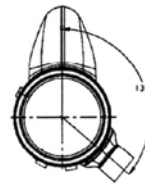
CATERPILLAR



3B5498

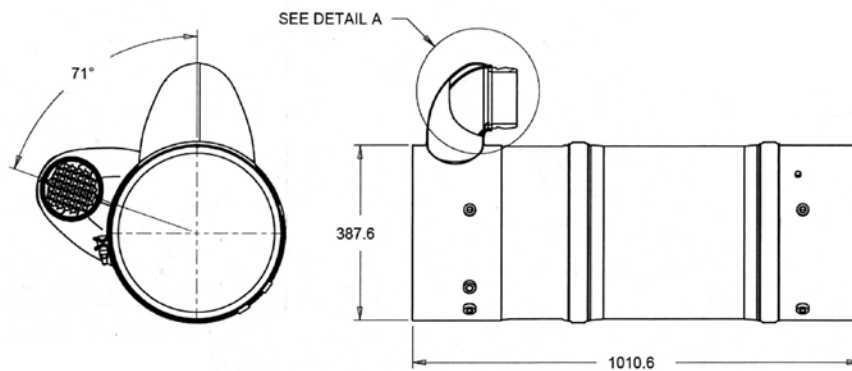


3B7964



345-1847

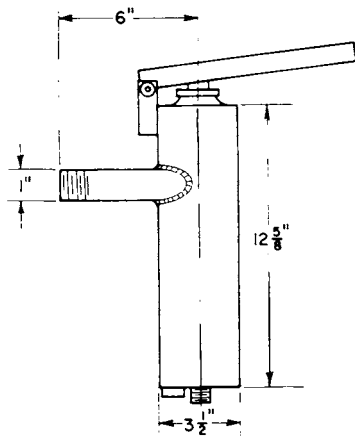
For Caterpillar 3B7941—See Donaldson FCM07-0068
For Caterpillar 8N70741—See Donaldson FMM12-0303



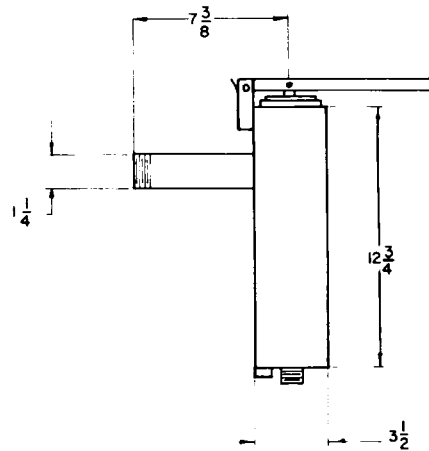
371-1849

CEDCO • CHAMPION POWER EQUIPMENT

CEDCO

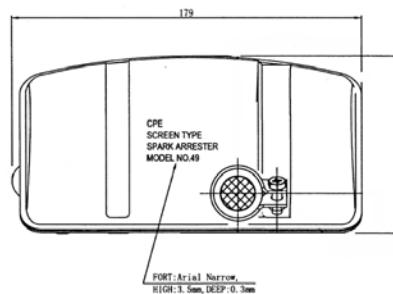
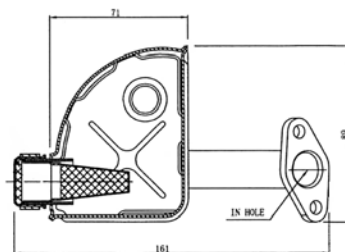
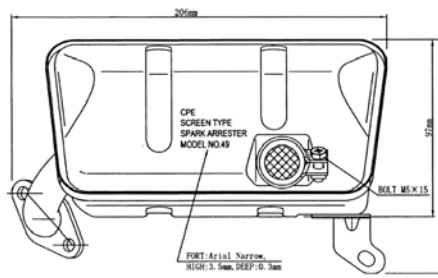
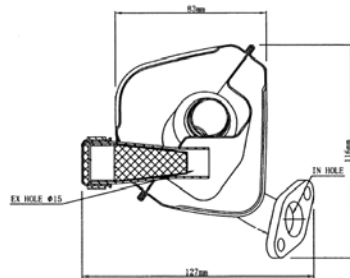


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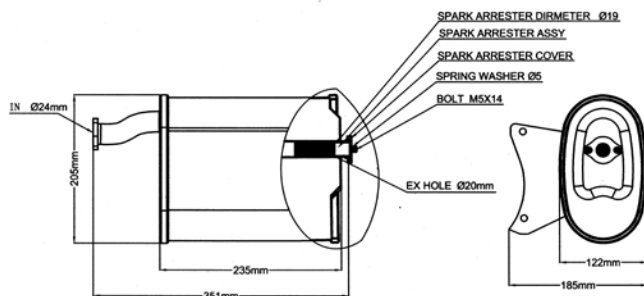


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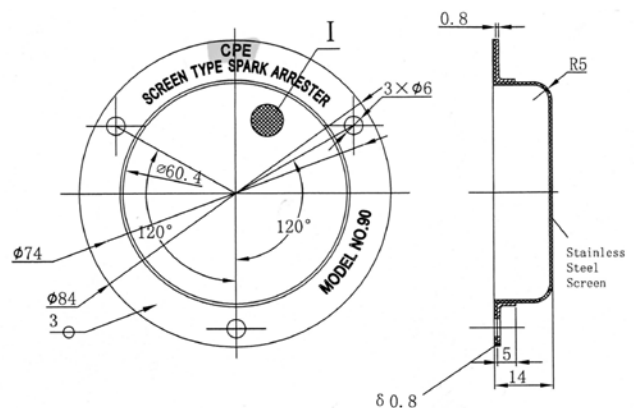
CHAMPION POWER EQUIPMENT



CPE 49



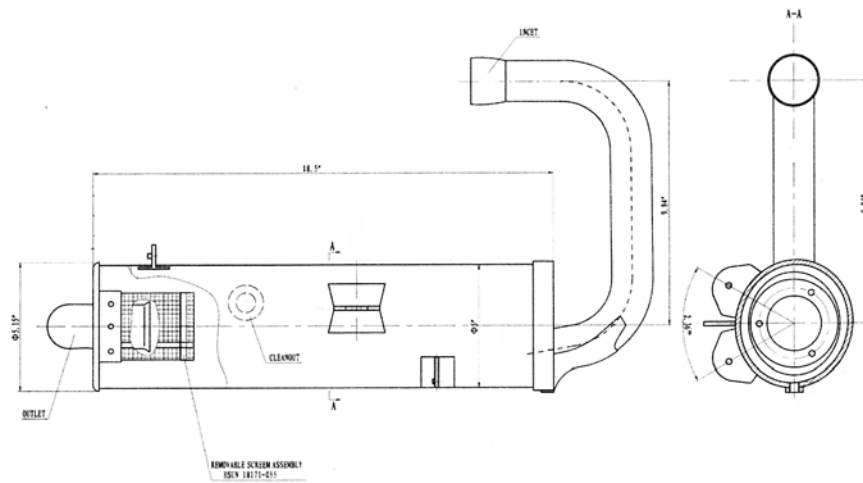
Champion 88



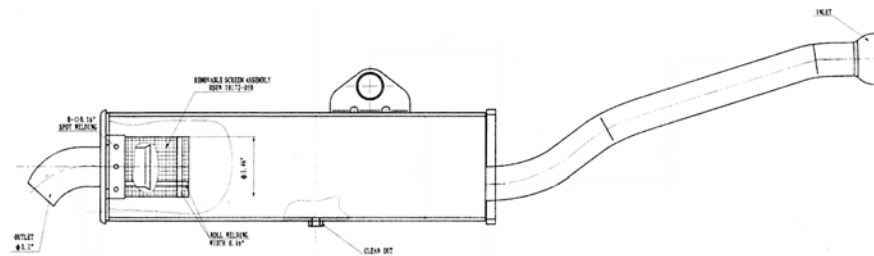
Champion 90

CHONGQING HUANSONG

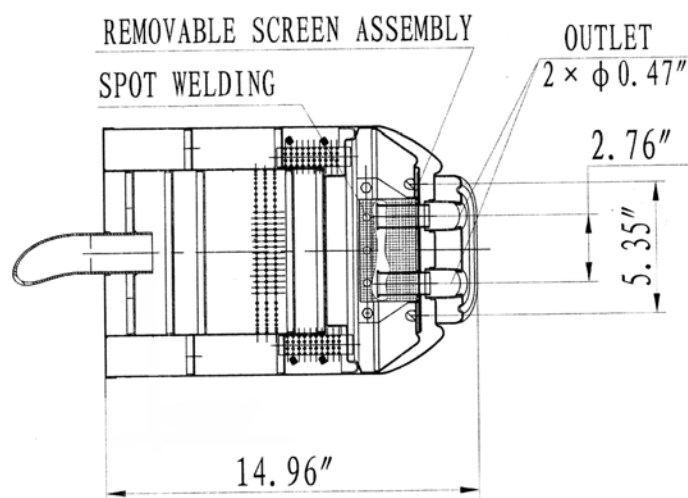
CHONGQING HUANSONG



HSUN 18171-055



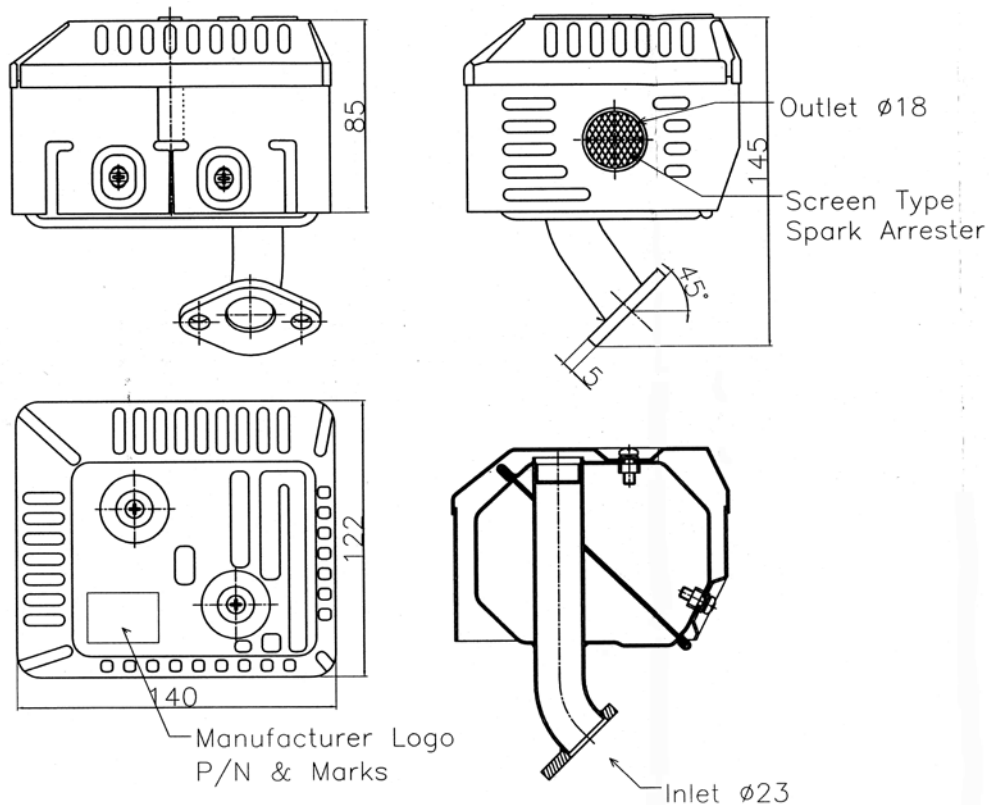
HSUN 18172-058



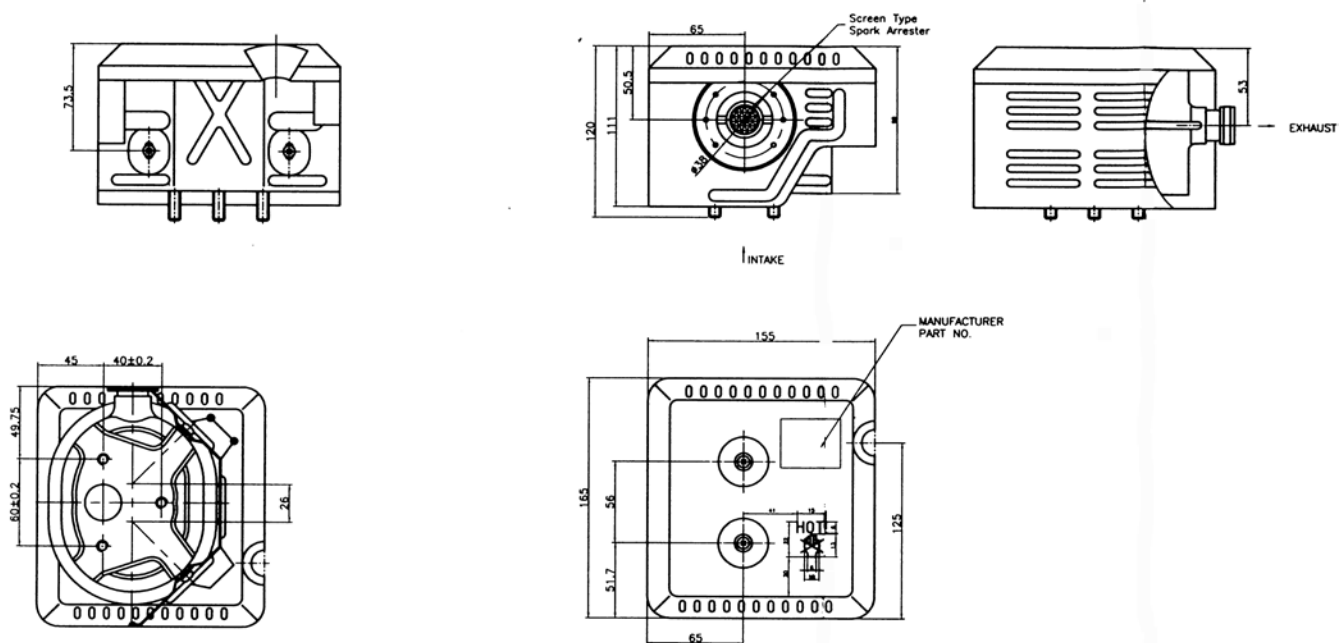
HSUN 18510-178

CHONGQING LONCIN

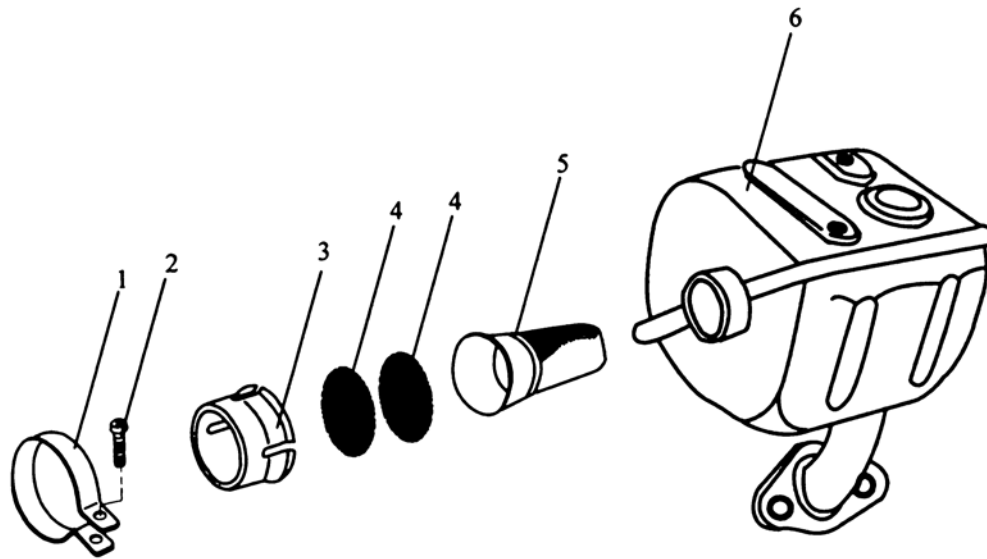
CHONGQING LONCIN



Chongqing Loncin 113100-101

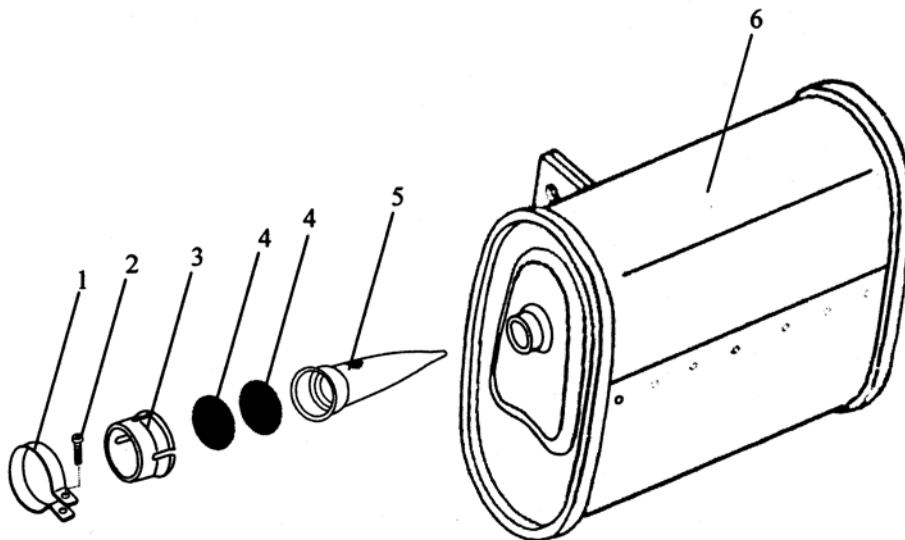


Chongqing Loncin 113100-113



1. Clip 2. Bolt 3. Fireproofing headgear
4. Flame screen 5. Spark arrestor 6. Muffler

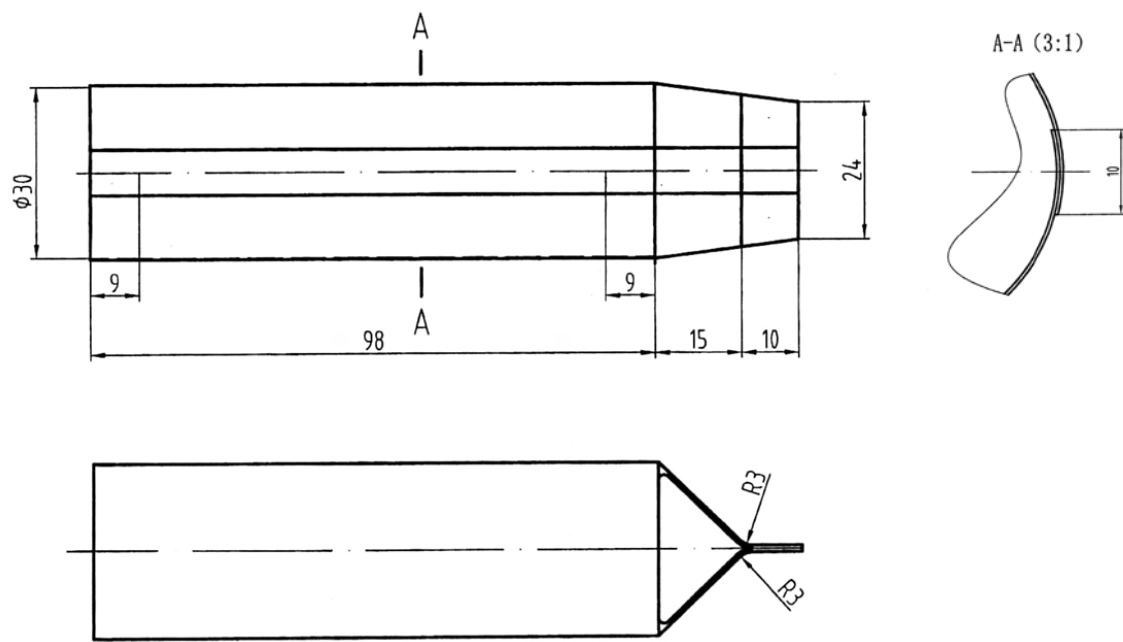
Chongqing Loncin 113100-126



1. Clip 2. Bolt 3. Fireproofing headgear
4. Flame screen 5. Spark arrestor 6. Muffler

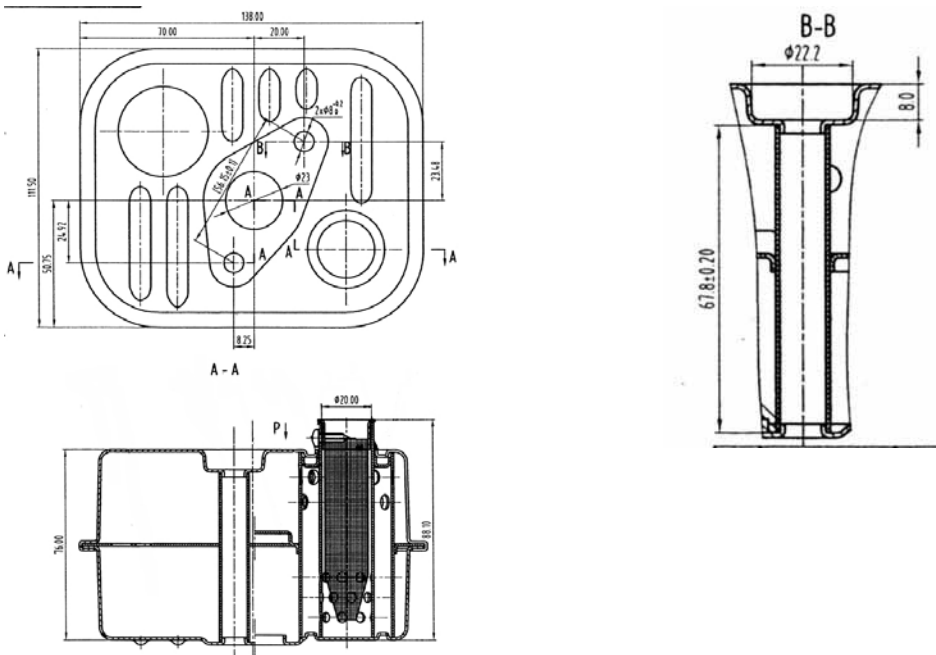
Chongqing Loncin 213100-248

CHONGQING LONCIN



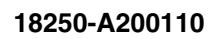
LX 500

CHONGQING RATO



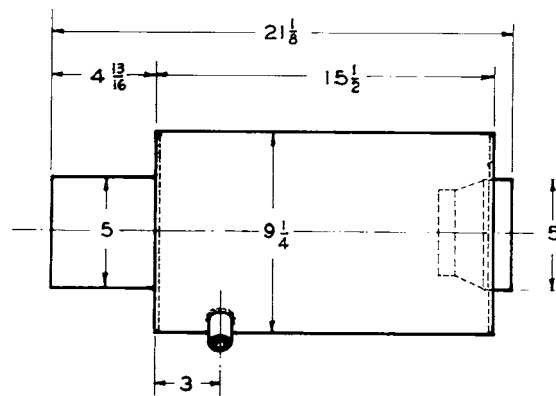
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CHONGQING RATO



CLARK • CNH

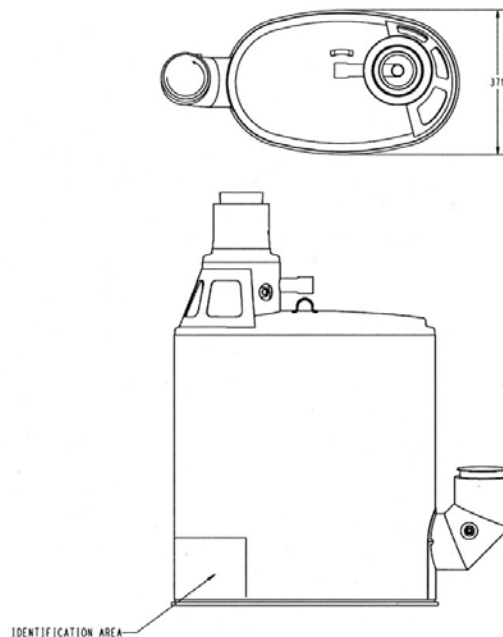
CLARK



CAC 2000

Clark Equipment company—Melrose Division
For Clark 6547049—see Nelson T-13473
For Clark 6551409—see Nelson T-14415
For Clark 6552340—see Nelson T-14907

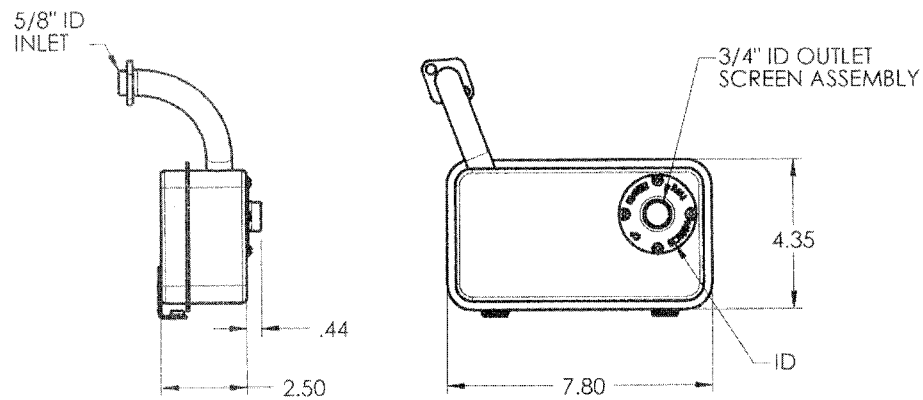
CNH



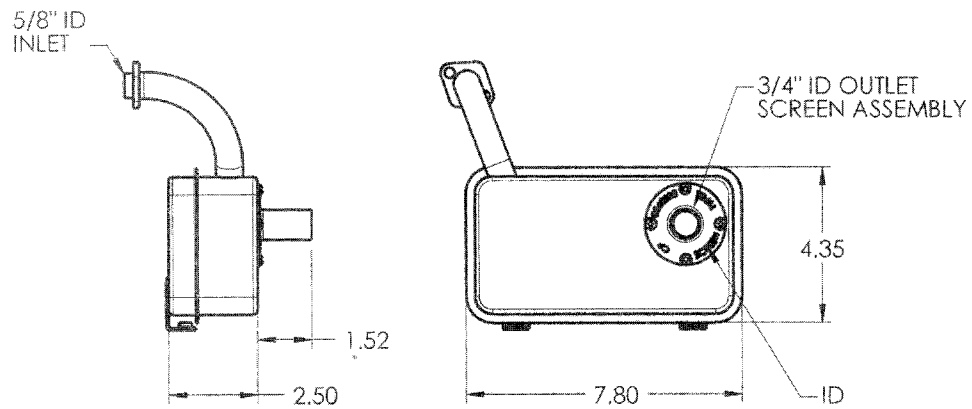
CNH 84328273

COLEMAN

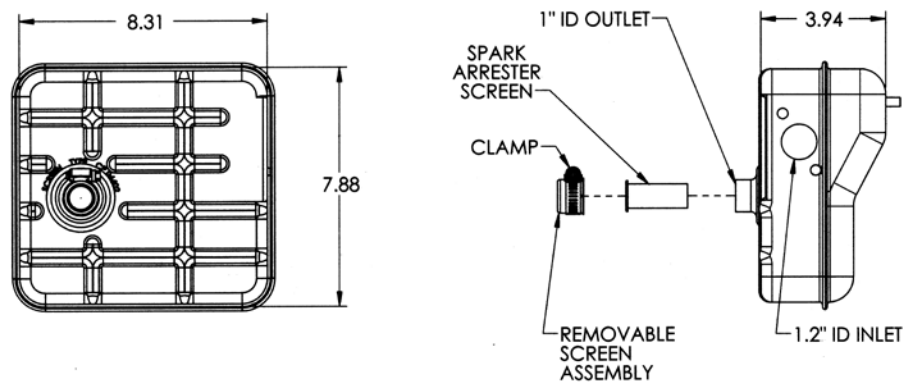
COLEMAN



COLEMAN POWERMATE - 0049822



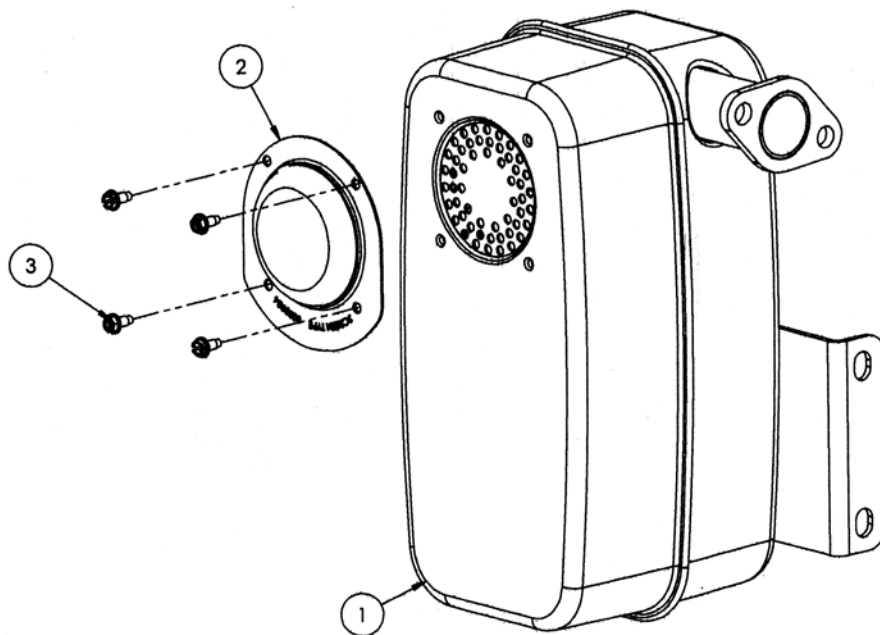
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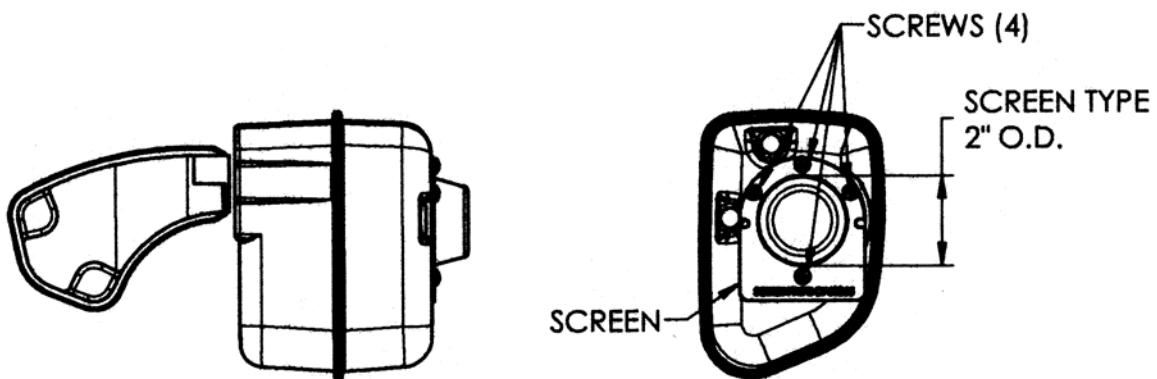
COLEMAN POWERMATE CP04402

COLEMAN

COLEMAN



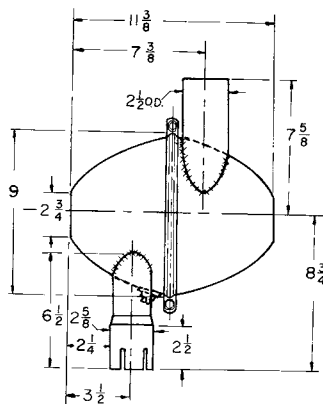
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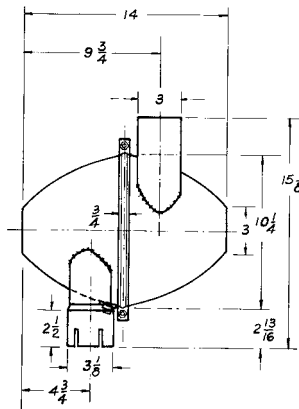
COLEMAN POWERMATE CP62065

CONE • COOP

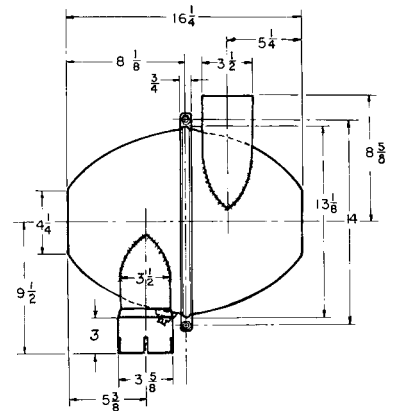
CONE



8-D



10-D



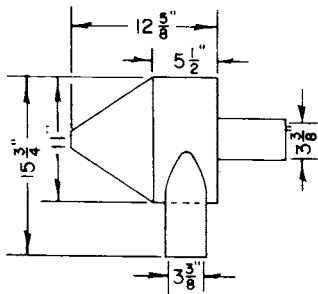
12-D

No diagrams available for the following:

CO1500

CO390

Refer to General Purpose Qualification Table at end of section for rating.



1100

Pulverization type spark arrester

390 and 1500 drawings not available

Known dimensions 390

Inlet pipe diam. 3"

Outlet pipe diam. 3"

Main body diam. 9"

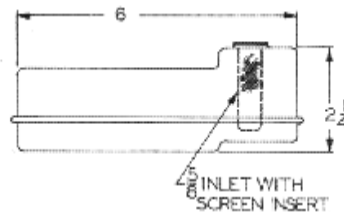
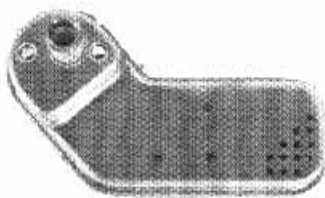
Known dimensions 1500

Inlet pipe diam. 4"

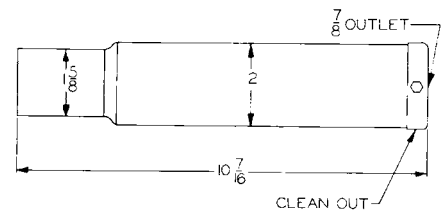
Outlet pipe diam. 4"

Main body diam. 15"

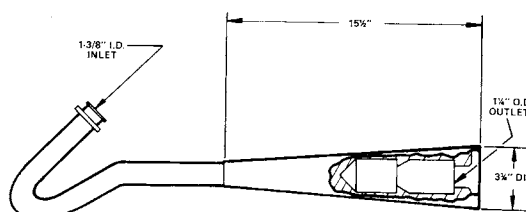
COOP



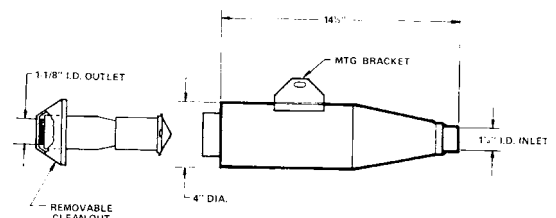
400A



500B

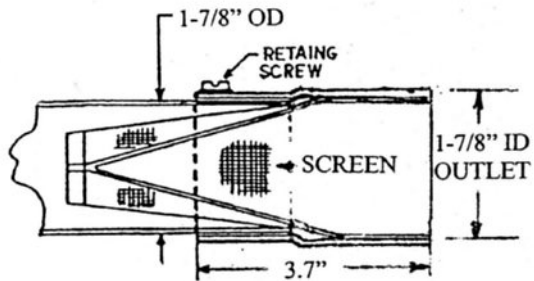


COOP 500A for LT 125

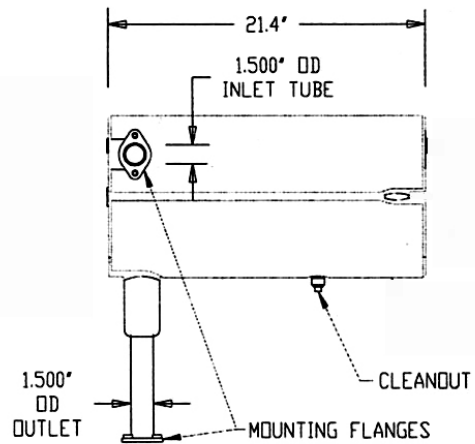


CUMMINS EMISSION SOLUTIONS

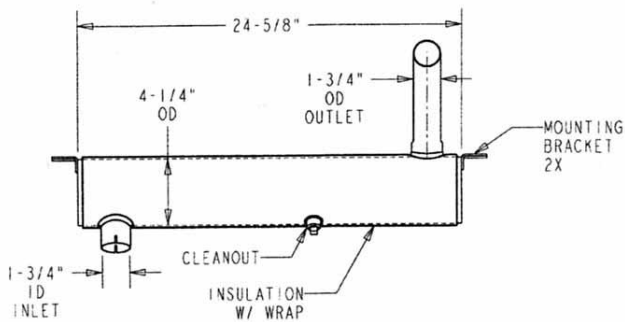
CUMMINS EMISSION SOLUTIONS



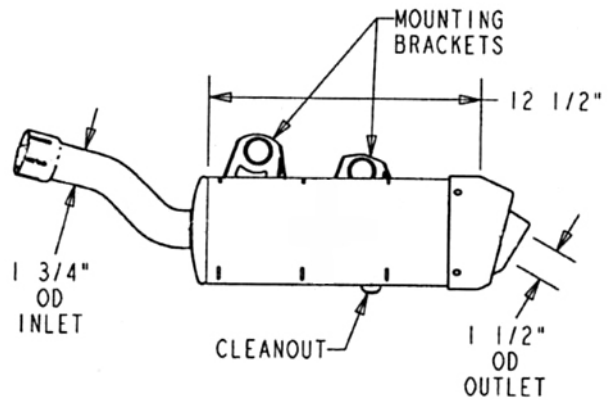
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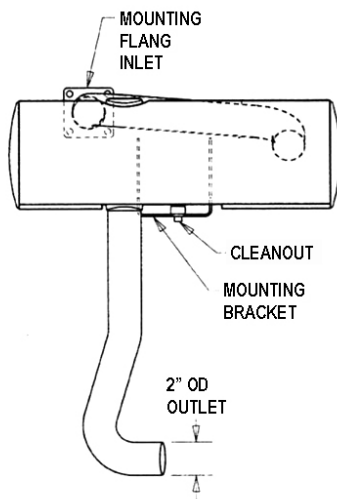
201193



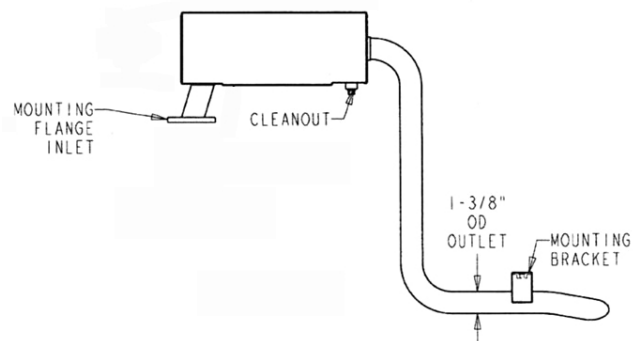
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202876



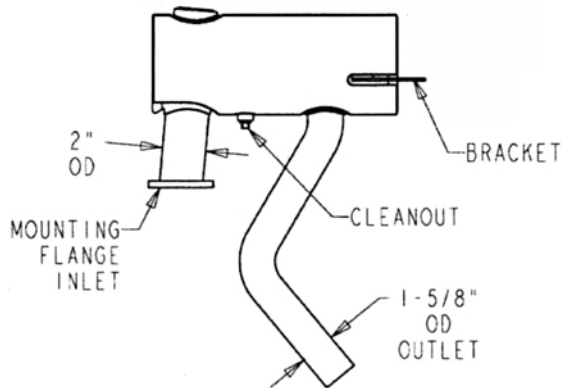
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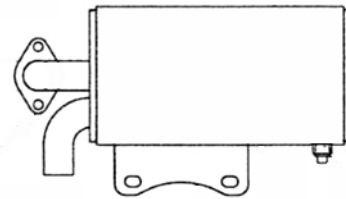
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CUMMINS EMISSION SOLUTIONS

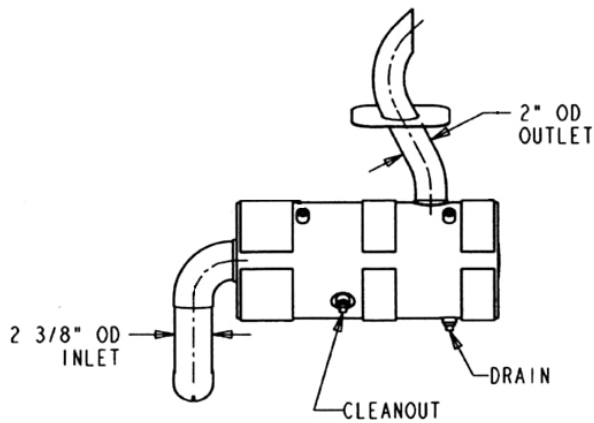
CUMMINS EMISSION SOLUTIONS



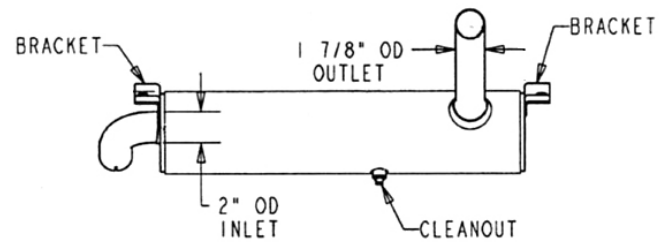
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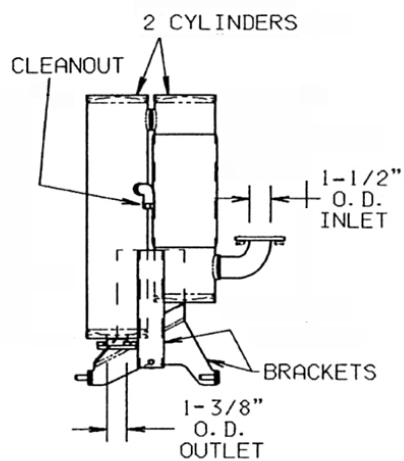
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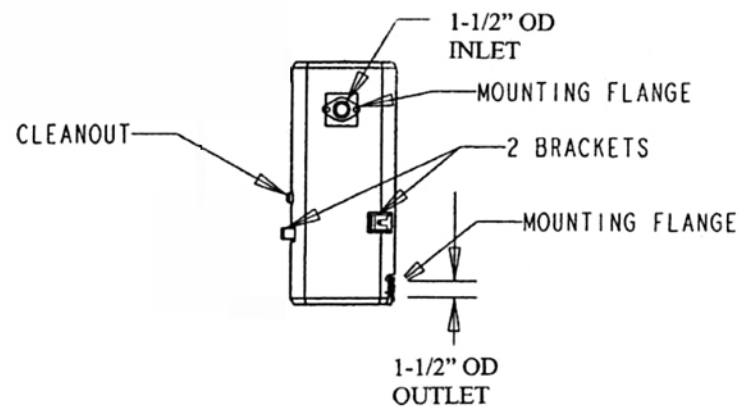
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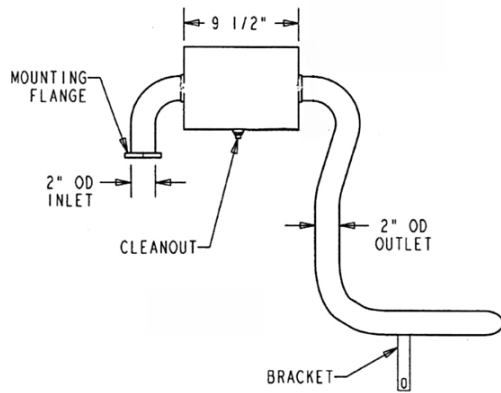
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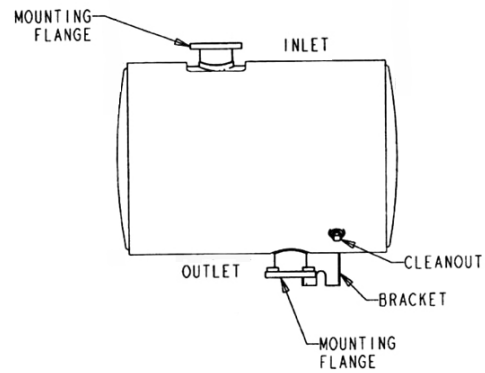
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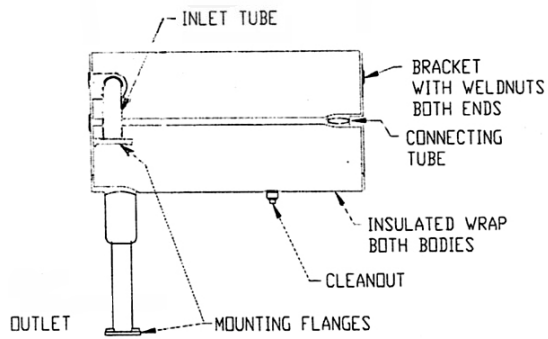
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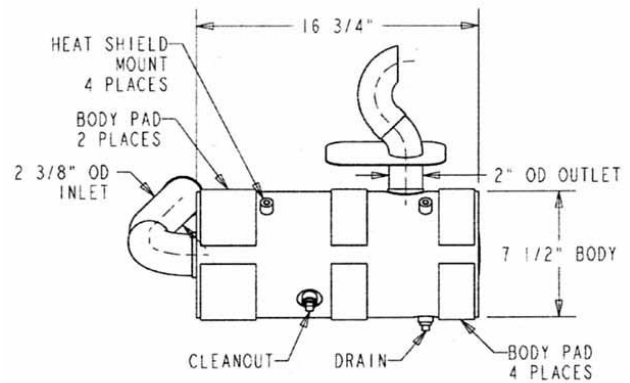
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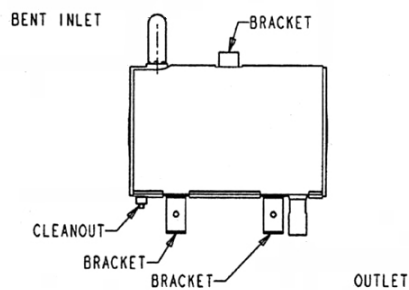
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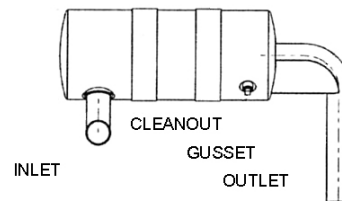
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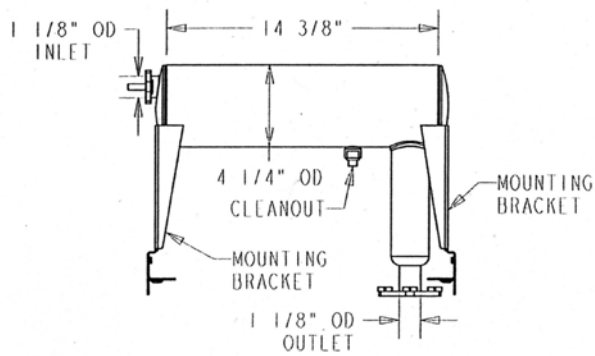
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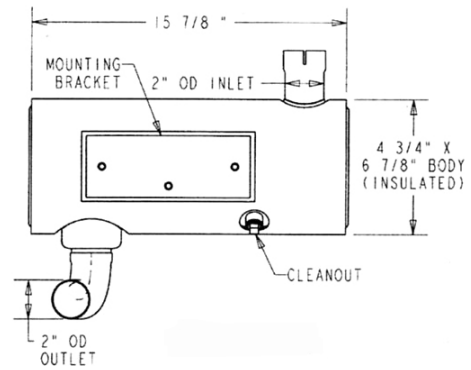
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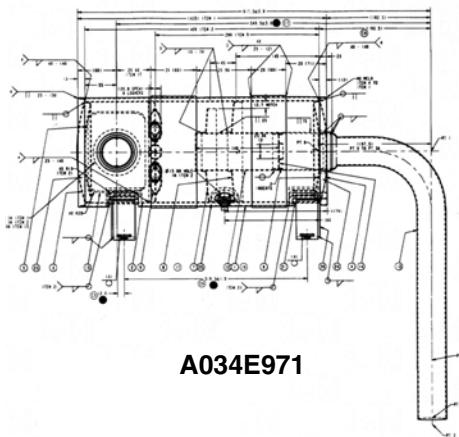
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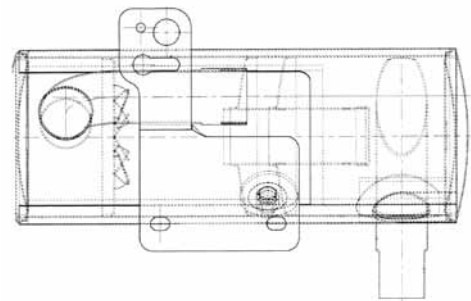
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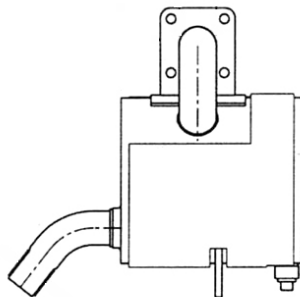
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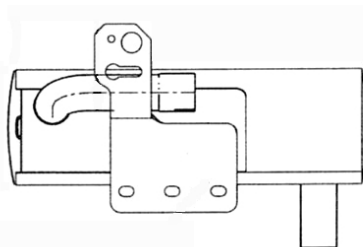
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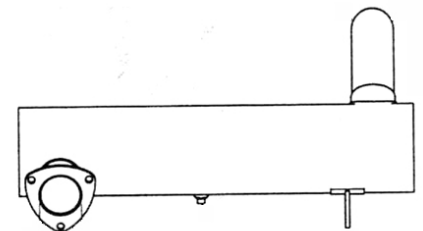
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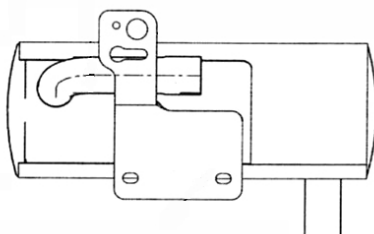
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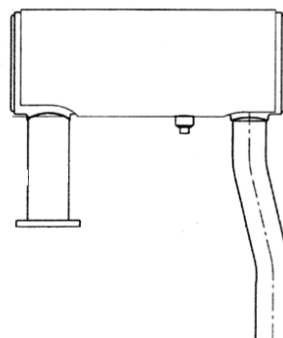
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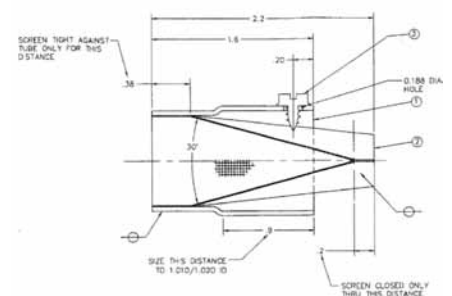
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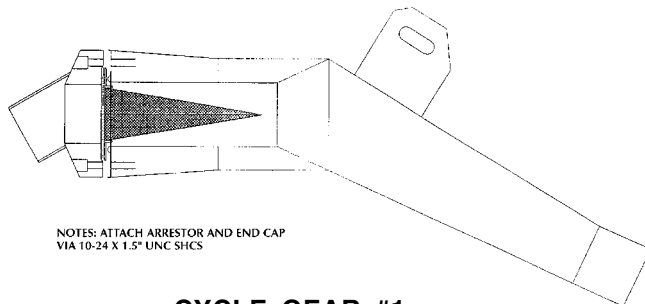
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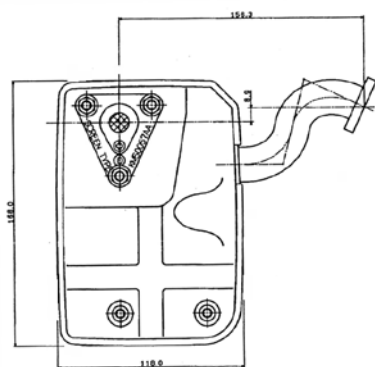
CYCLE GEAR • DAISHIN INDUSTRIES • DAVIS

CYCLE GEAR

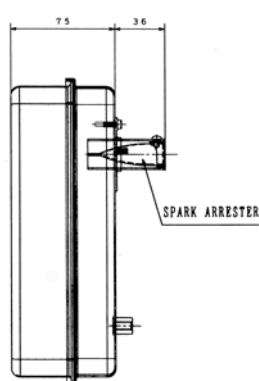
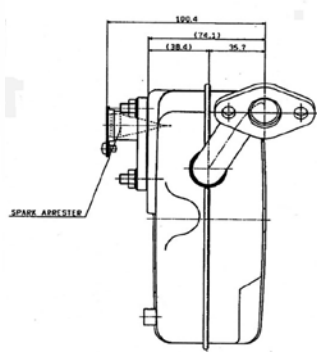


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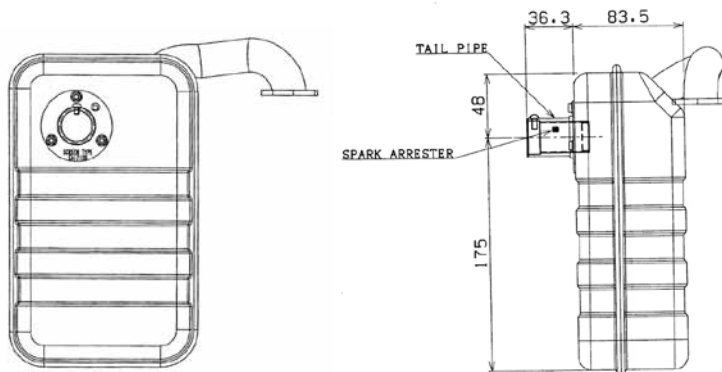
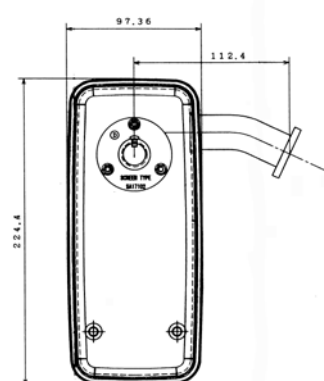
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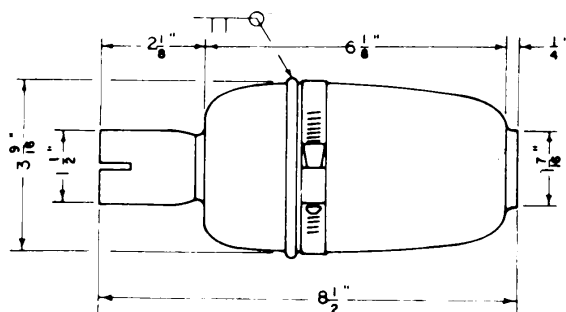


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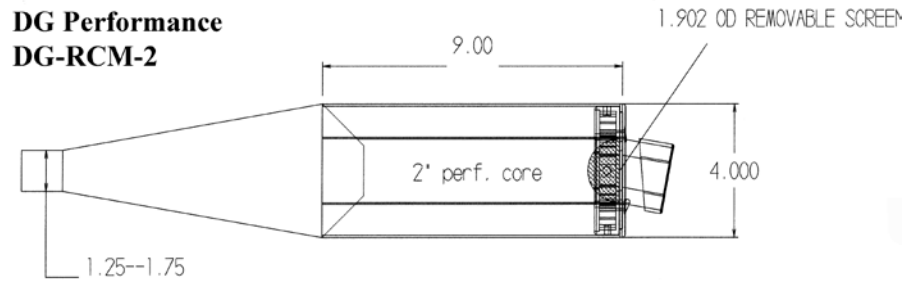
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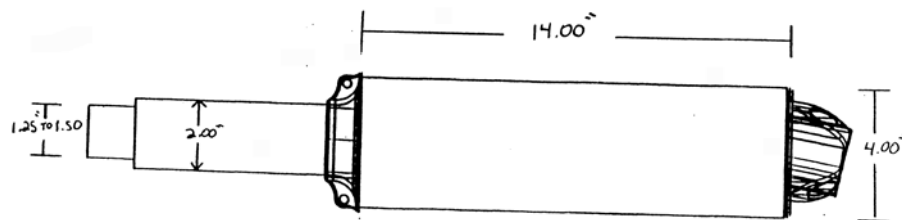
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DG PERFORMANCE SPECIALITIES • DISCOJET

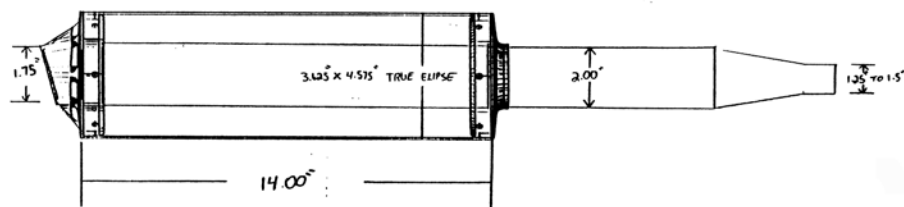
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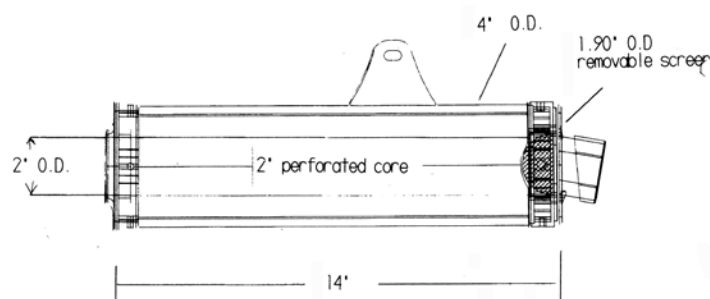
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DG Performance Specialities DG-03



DG Performance Specialities DG-04



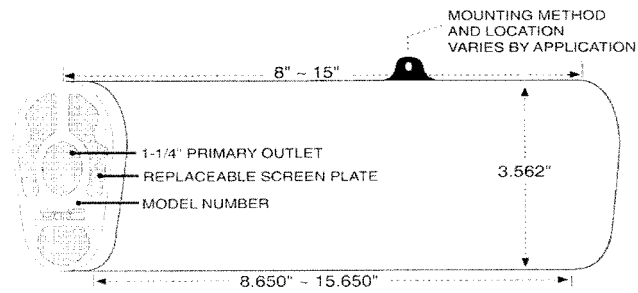
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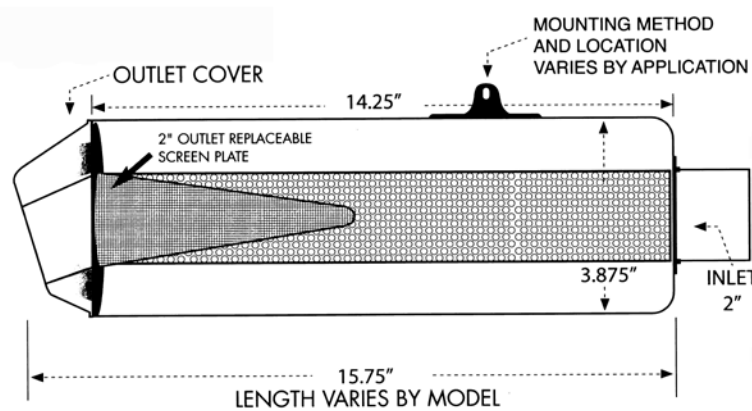
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Refer to General Purpose Qualification Table at end of section for rating.
See SuperTrapp

DMC

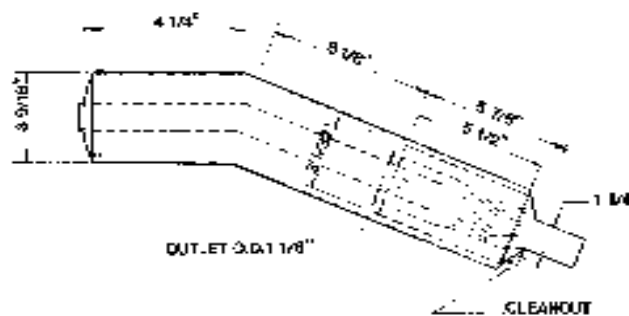
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DMCA2



DMC B1



DMC2-K

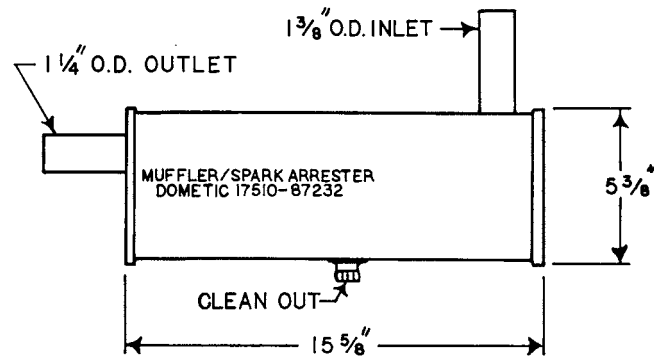
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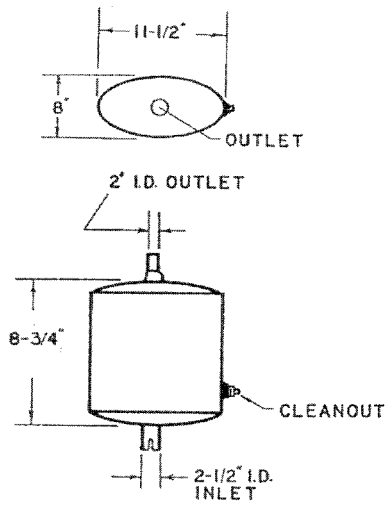
DOMESTIC • DONALDSON

DOMESTIC

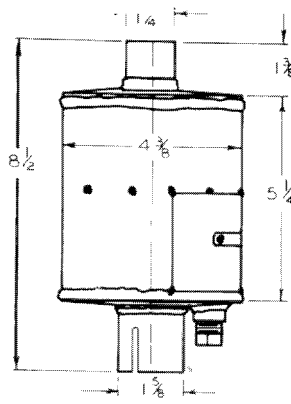


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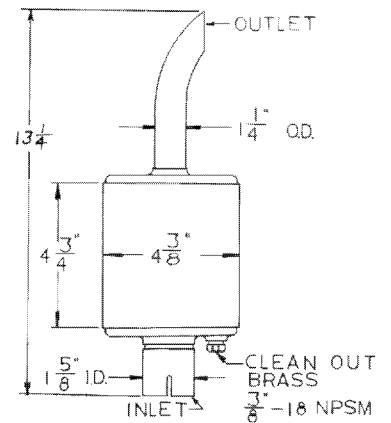
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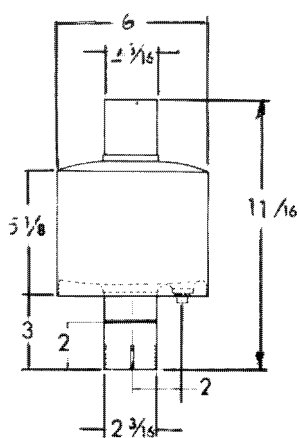
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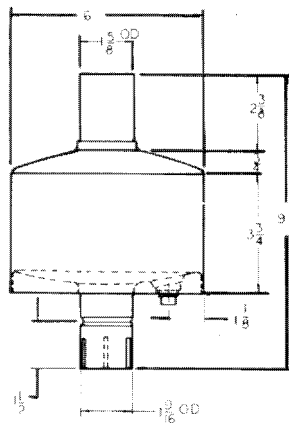
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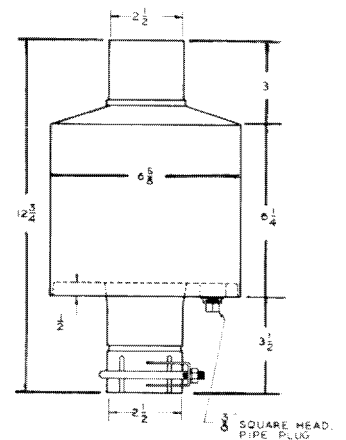
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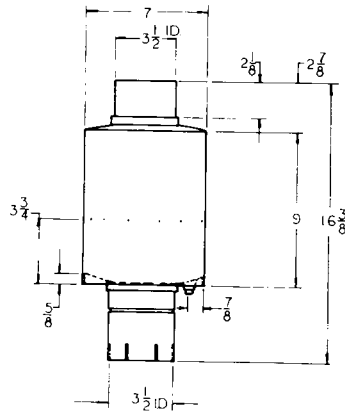
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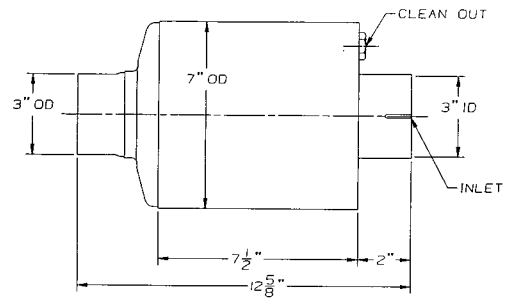
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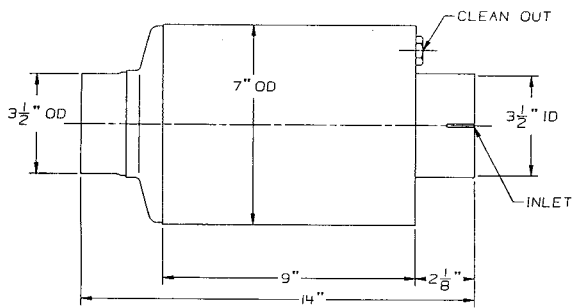
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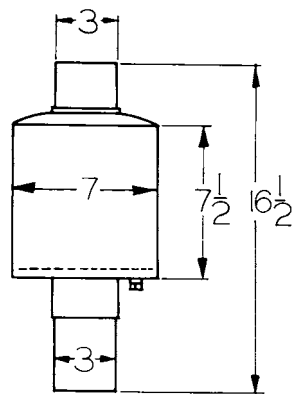
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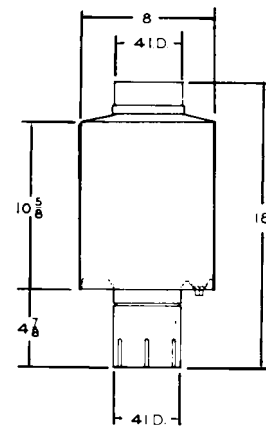
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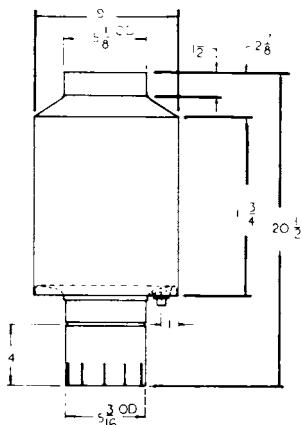
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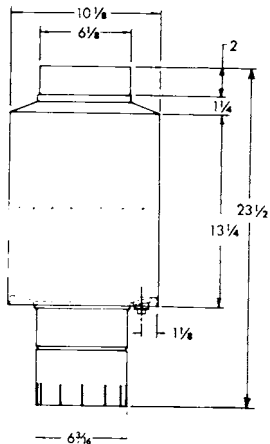
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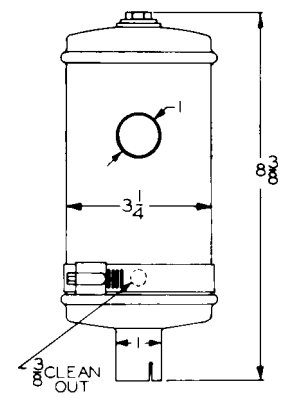
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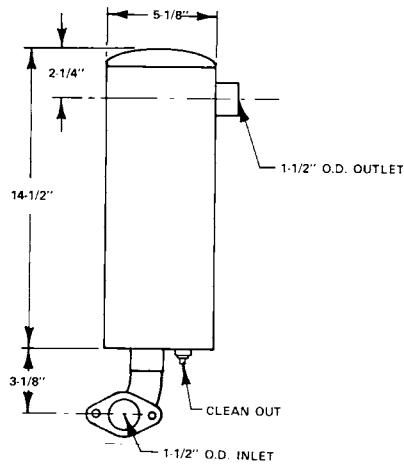
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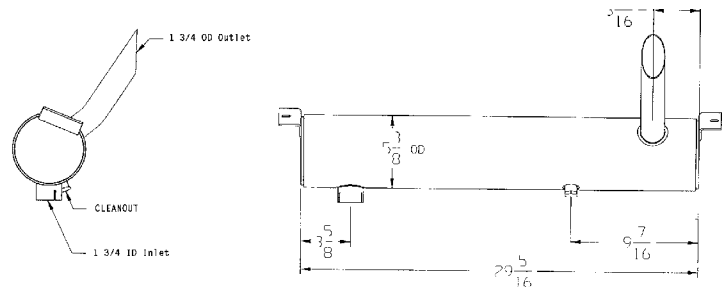
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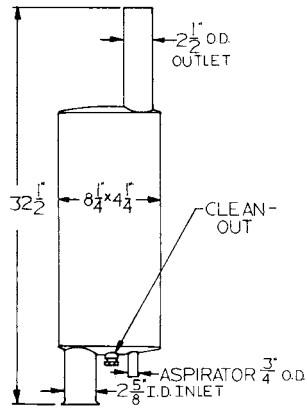
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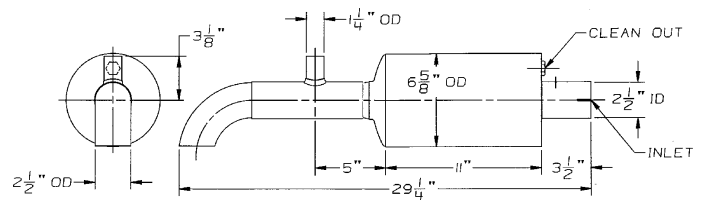
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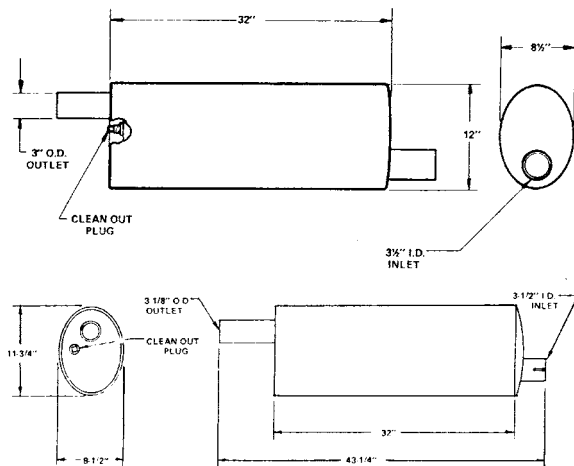
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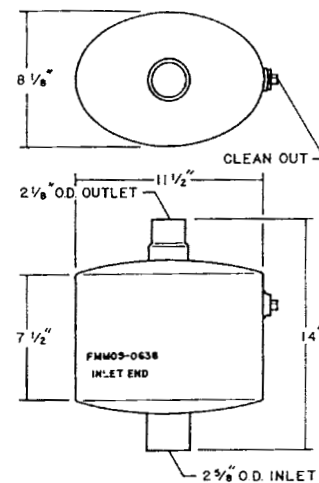
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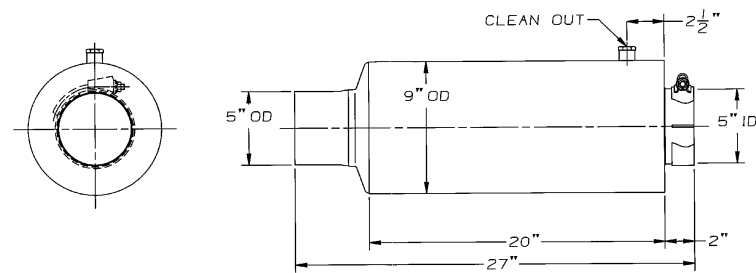
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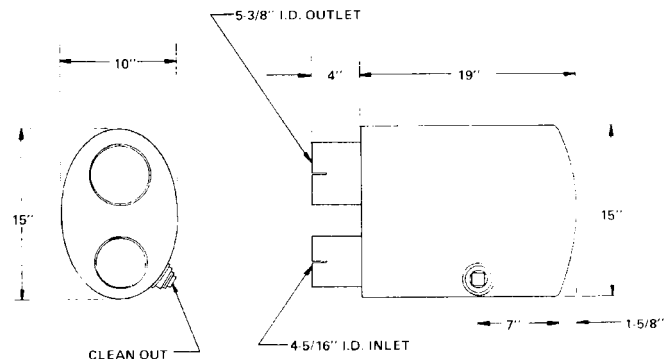
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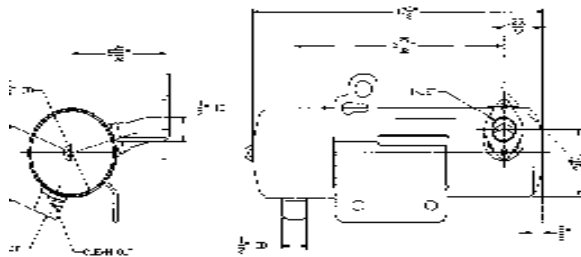
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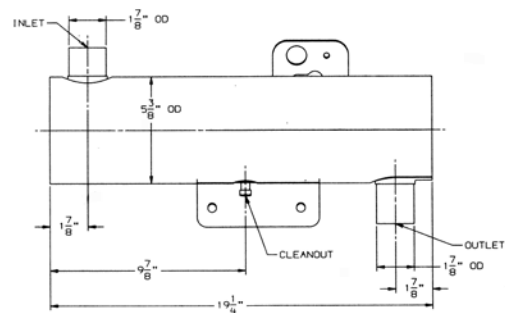
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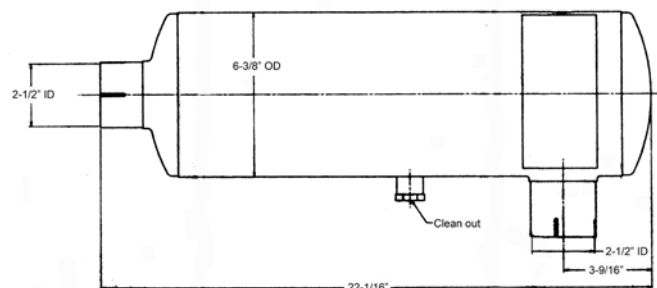
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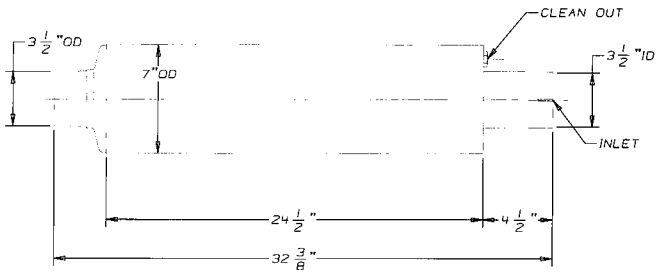
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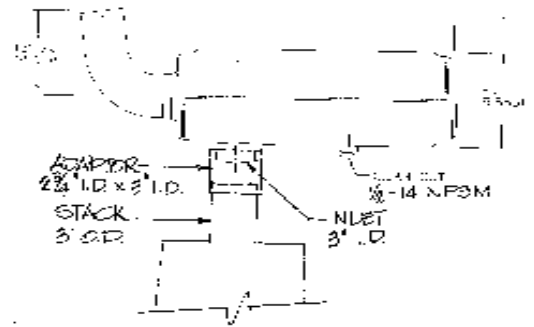
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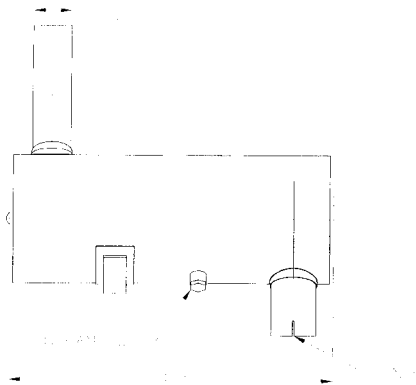
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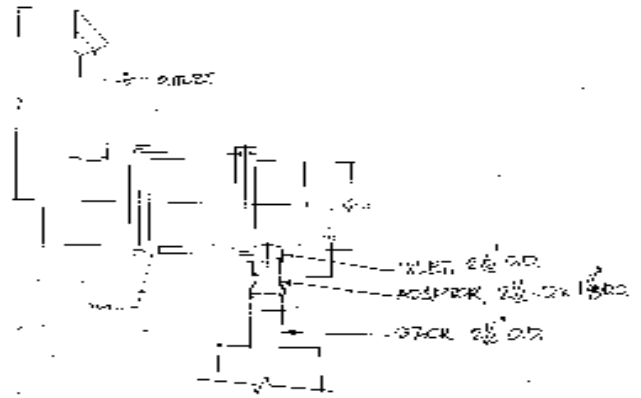
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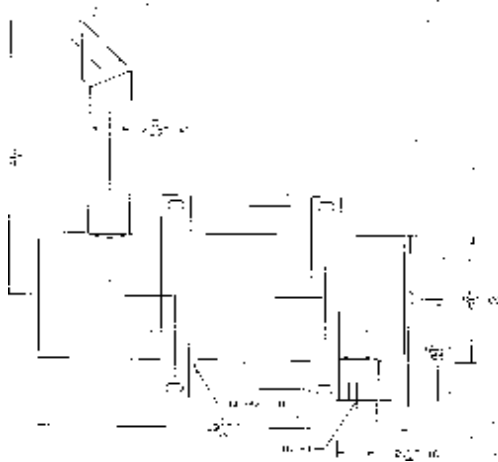
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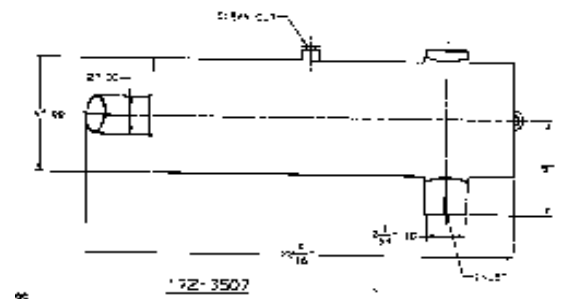
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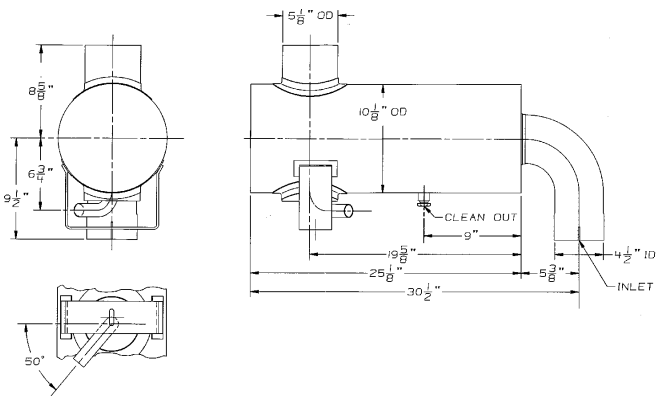
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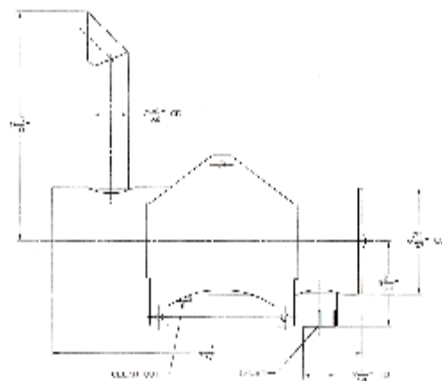
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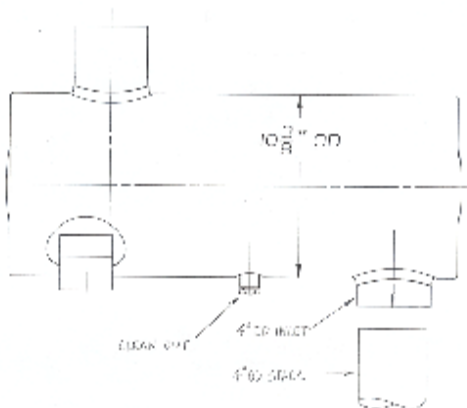
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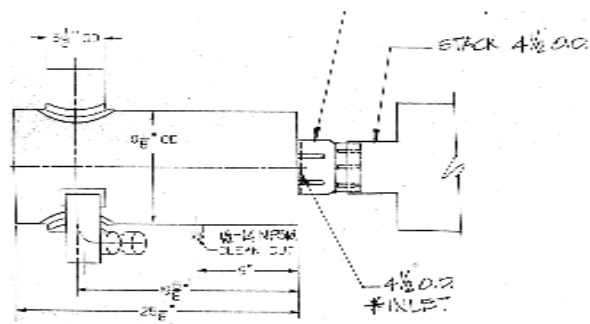
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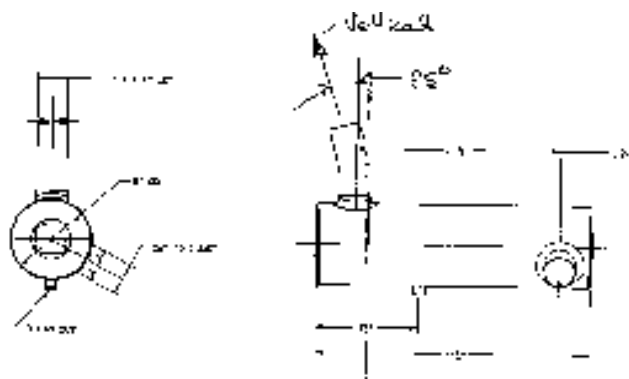
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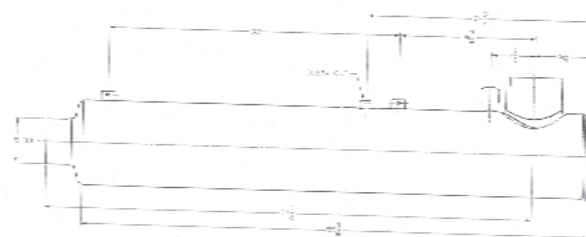
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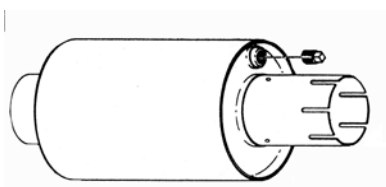
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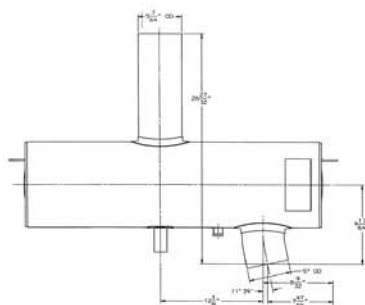
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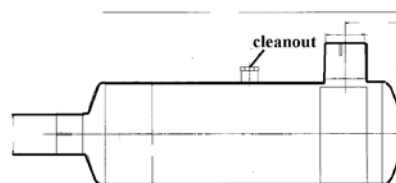
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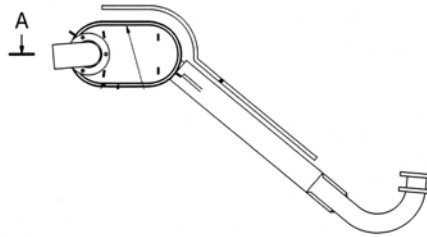
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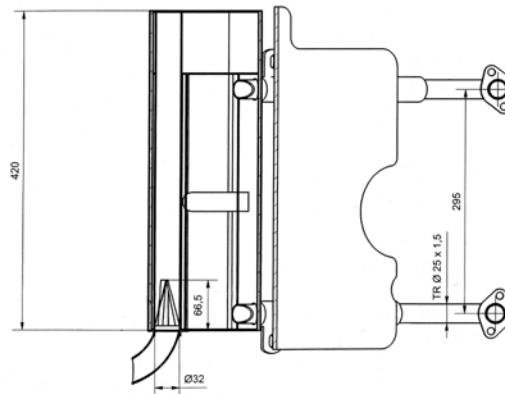
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DVORAK • DYNAFLEX PRODUCTS

DVORAK

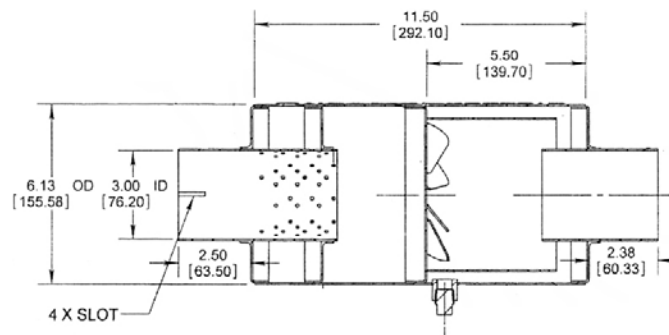
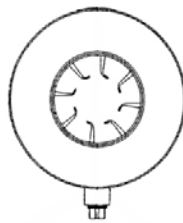


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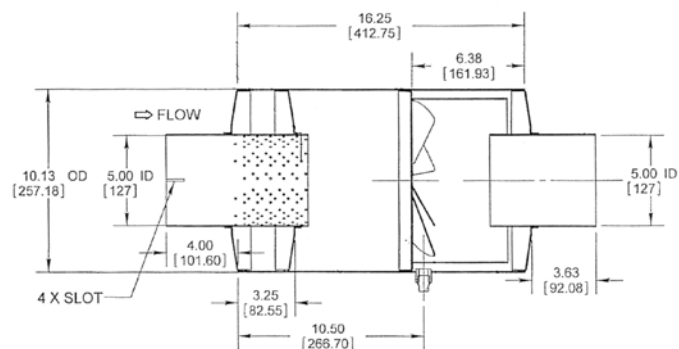
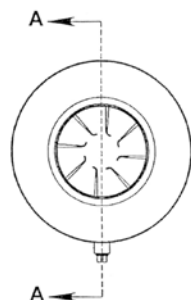


ILD02FS

DYNAFLEX PRODUCTS



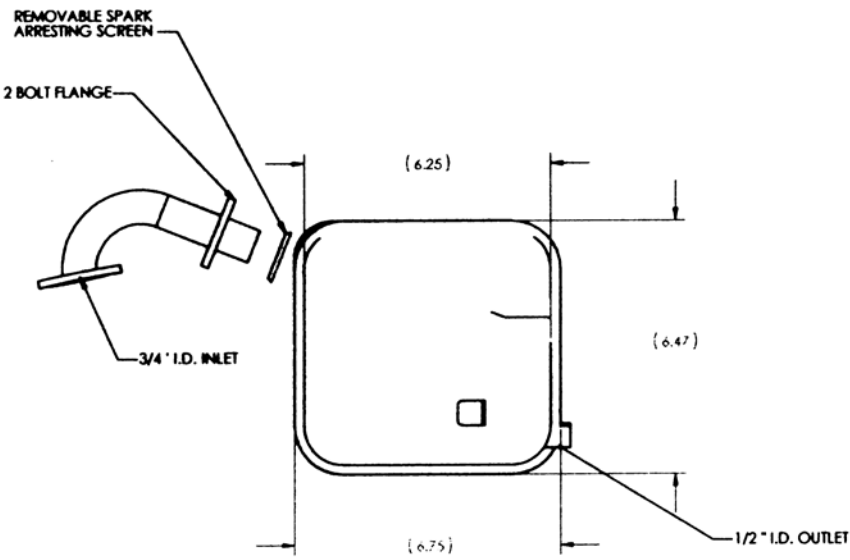
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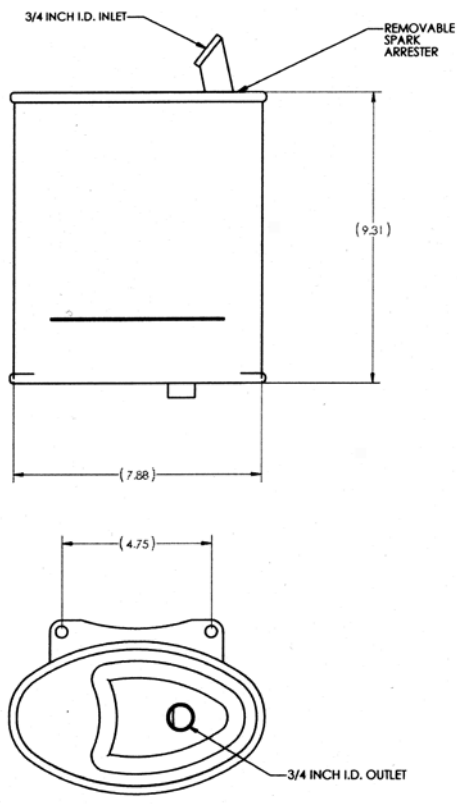
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EASTERN TOOLS & EQUIPMENT

EASTERN TOOLS & EQUIPMENT



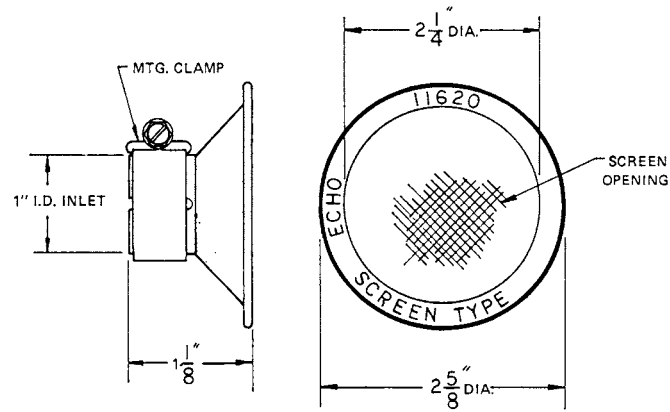
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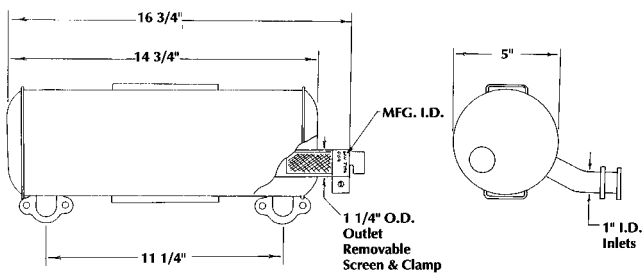
ECHO • EES

ECHO

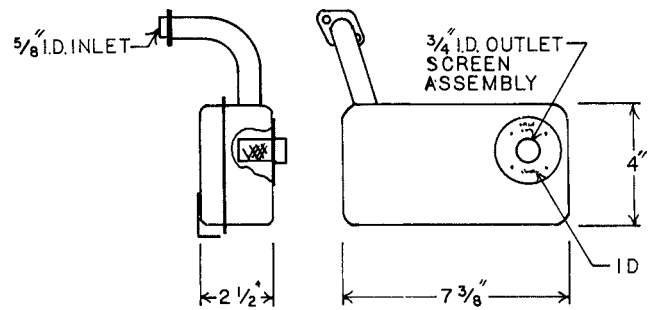


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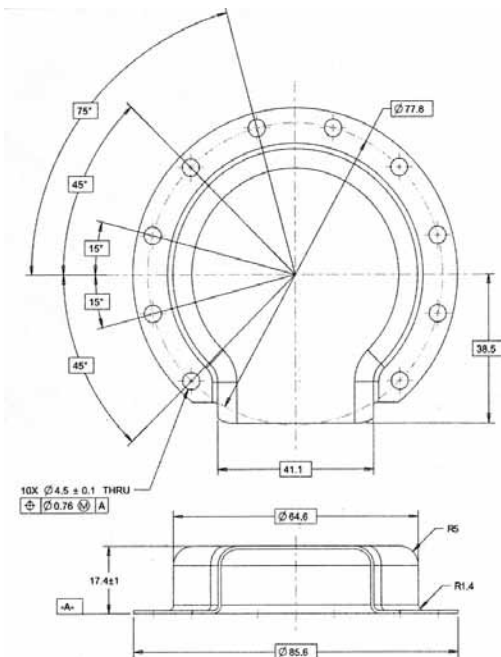
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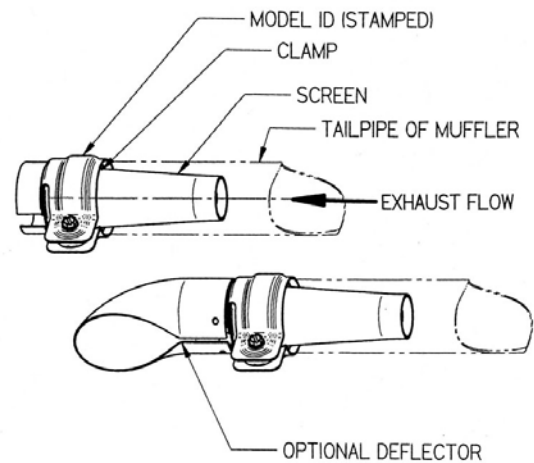
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EES 89011-9



EES 311

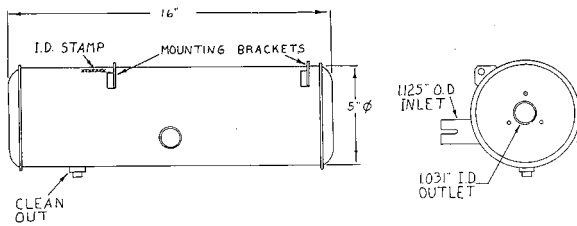


EES 1500A

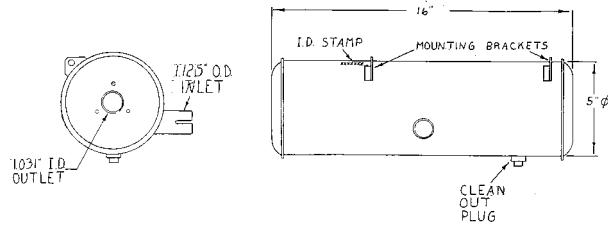
EES

EES

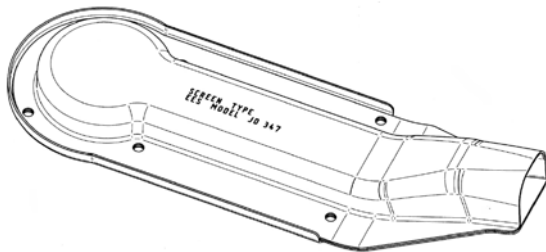
No diagrams available for the following:
EES 56378
Refer to General Purpose Qualification
Table at end of section for rating.



EES 92675



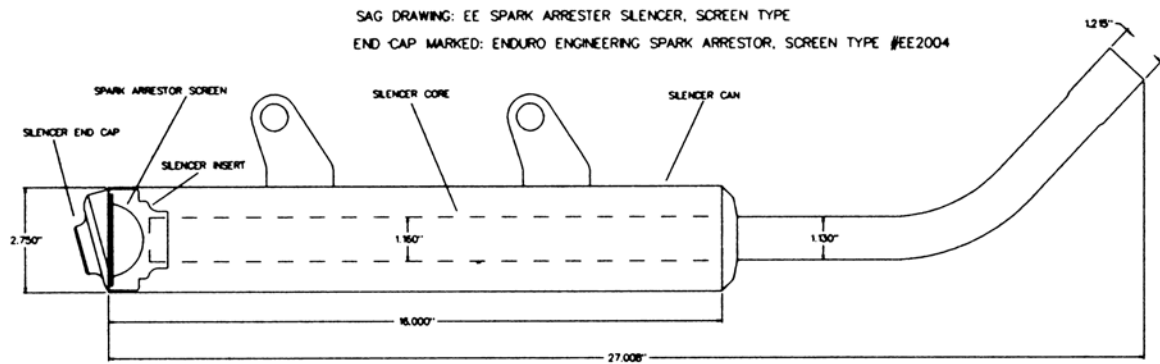
EES 92675A



EES 347

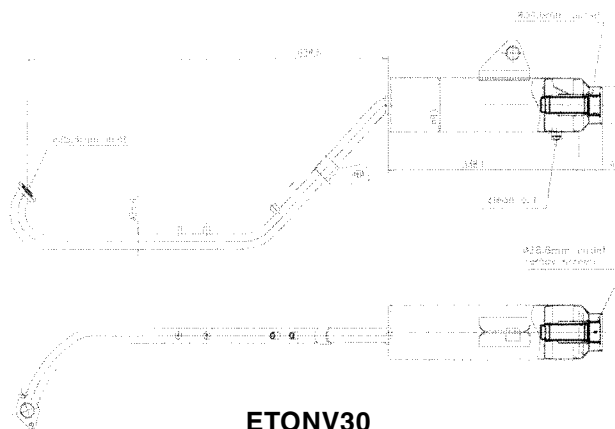
ENDURO ENGINEERING • ETON

ENDURO ENGINEERING

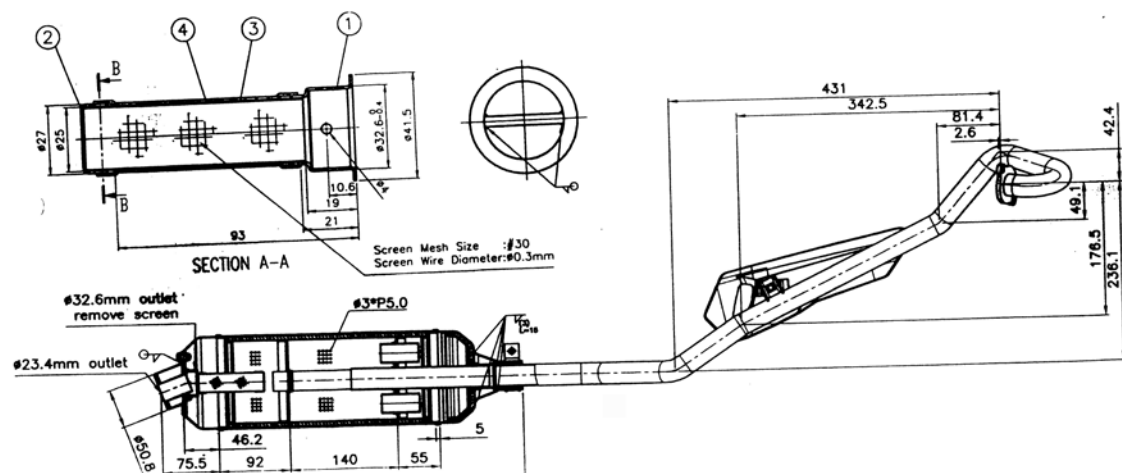


EE2004

ETON



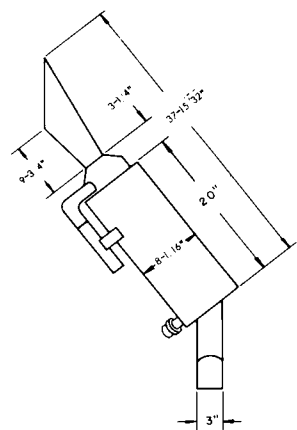
ETONV30



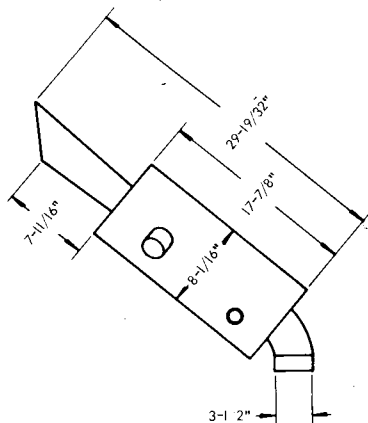
Eton America JI-EE A29

FARR ASPIRATOR

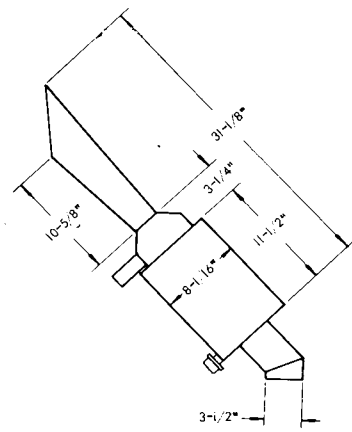
FARR ASPIRATOR



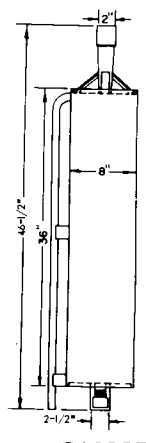
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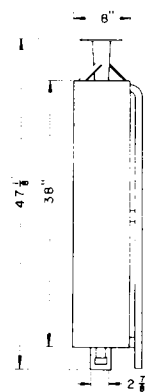
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B18854



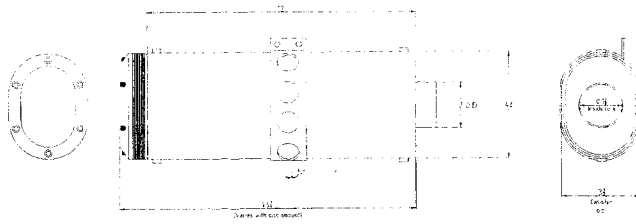
C16085



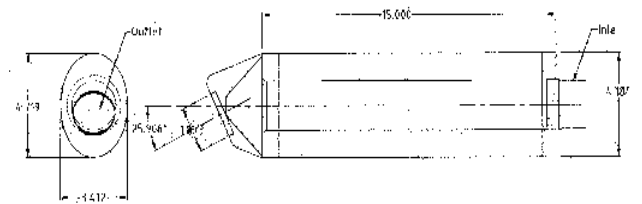
C22001

FMF • FMF RACING

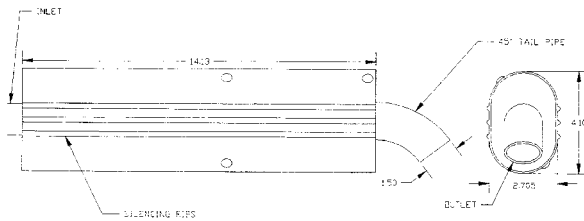
FMF



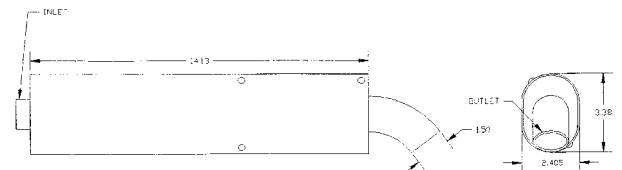
FMF ISDE Model 1000



FMFS3000

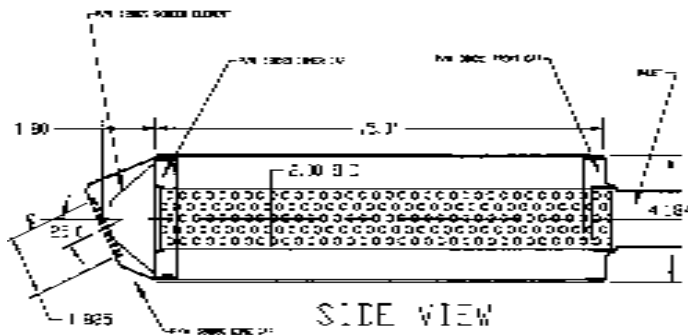


FMF True-Tec TDS 1

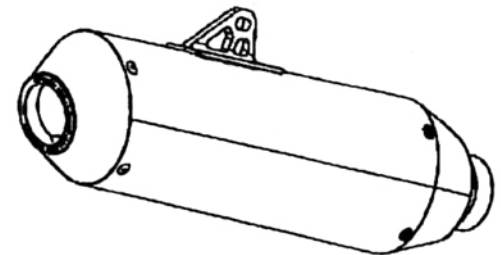


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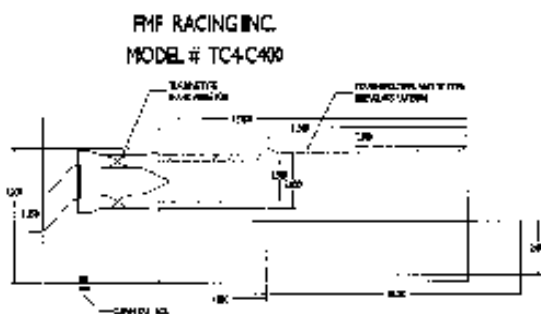
FMF RACING



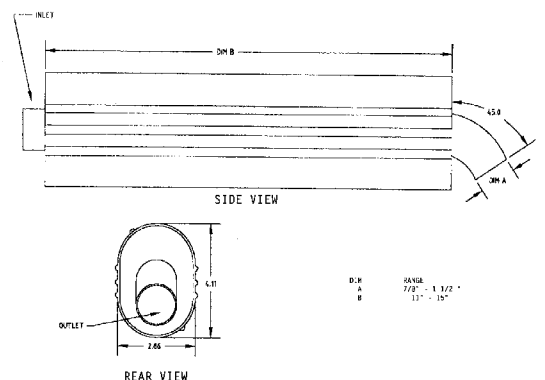
FMF S2000



FMF S9000



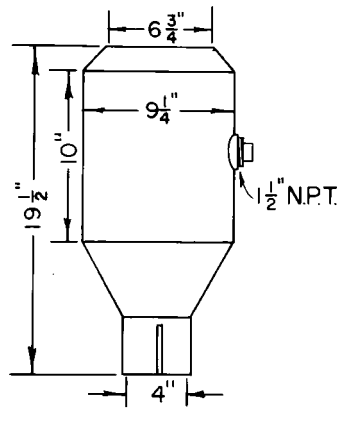
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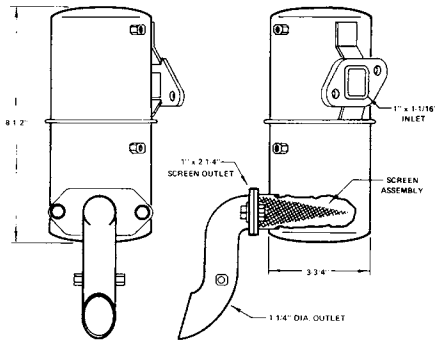
FMF TDS3

FORESTER • FUJI

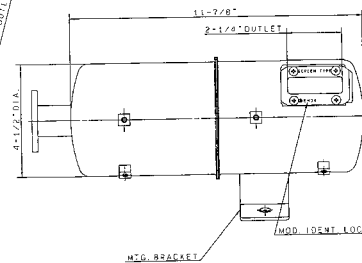
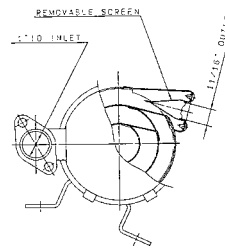
FORESTER



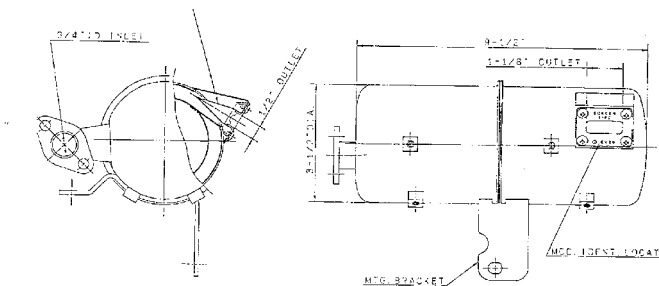
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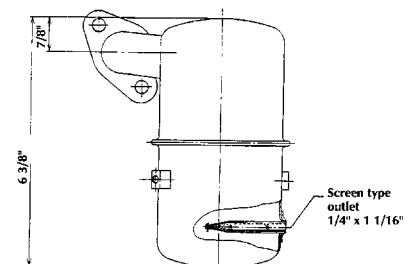
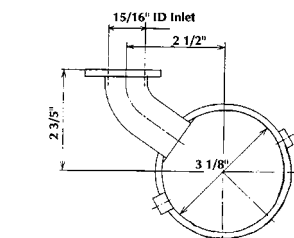
DY-41



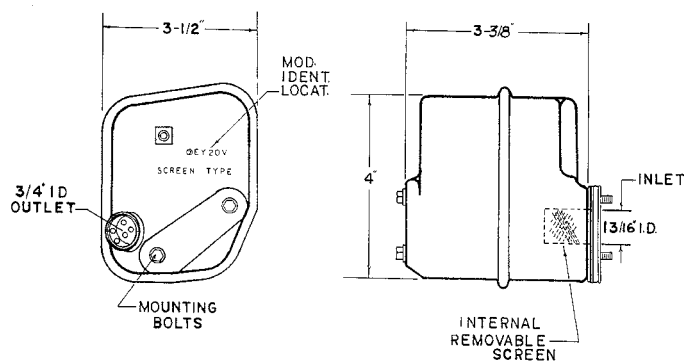
EH34



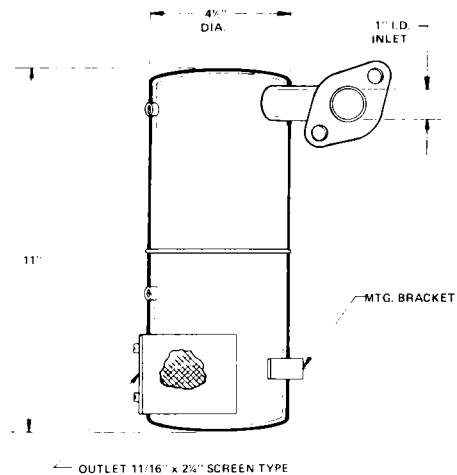
EY-20



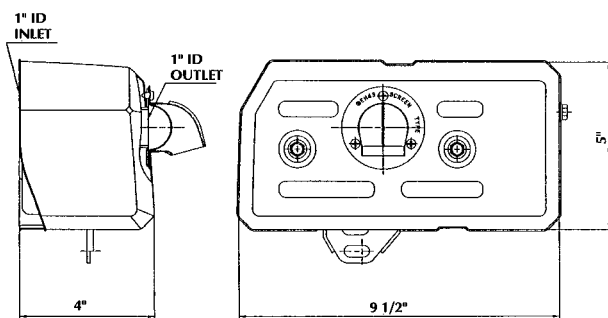
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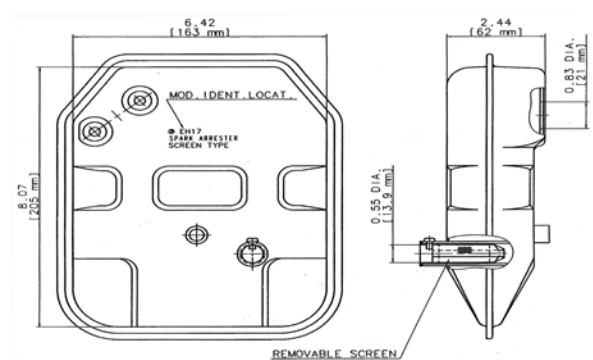
EY 20V



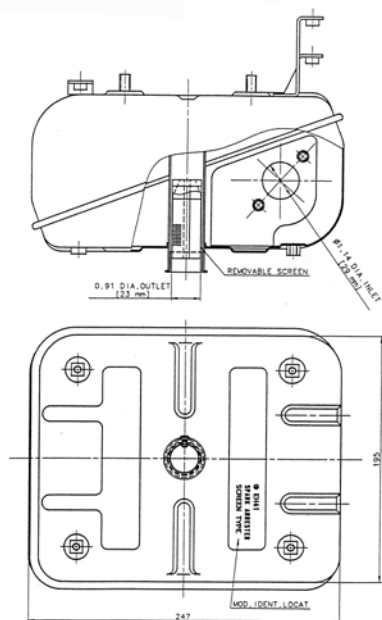
EY35•EY40W



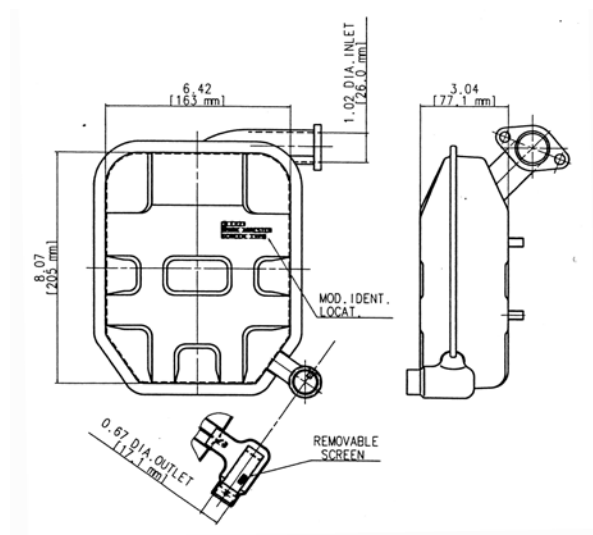
FUJI EH43



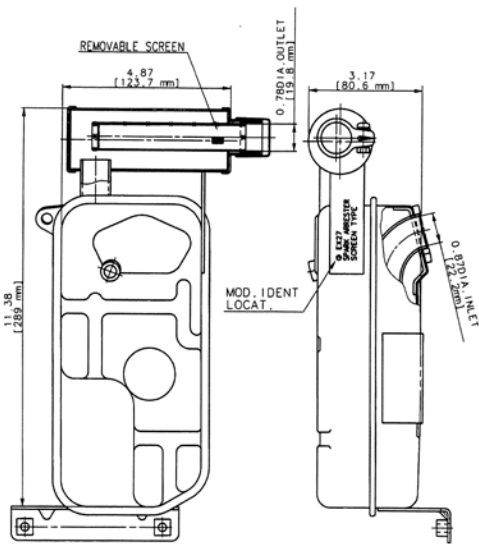
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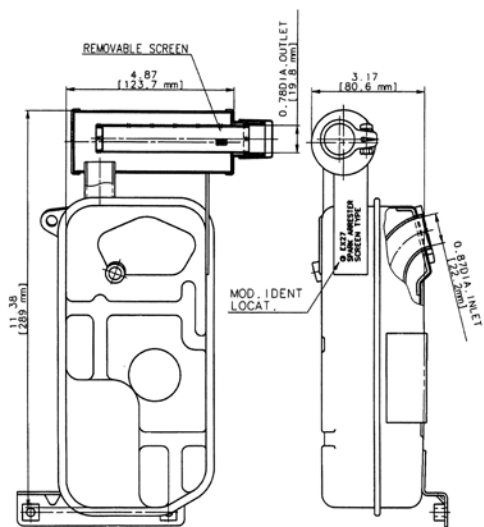
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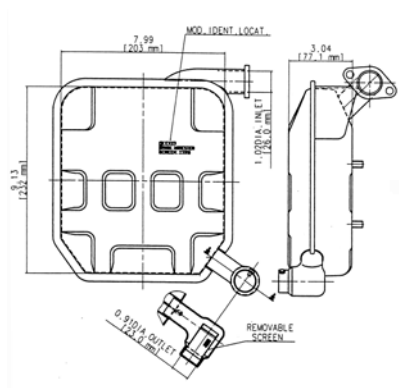
EX13, 17, 21



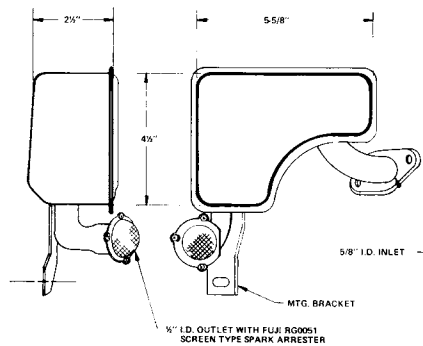
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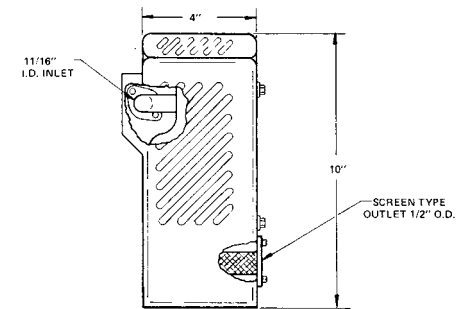
EX21



EX27

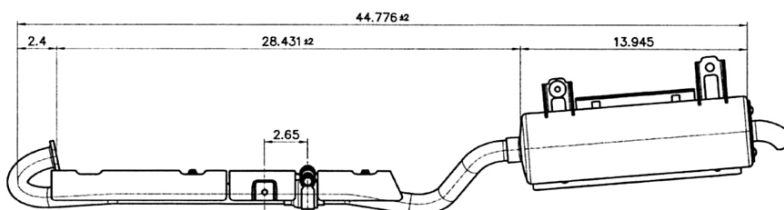
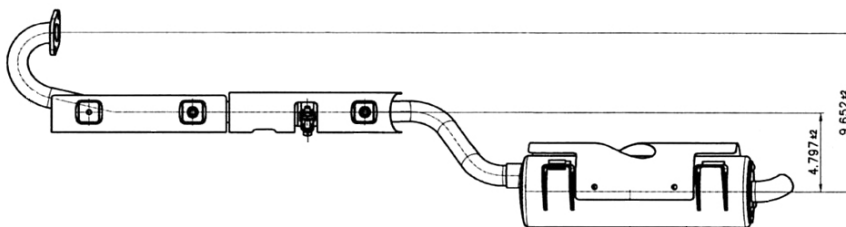


RGO 051

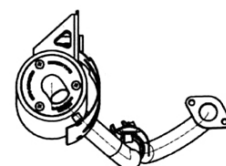


RGO 120

GALAXY

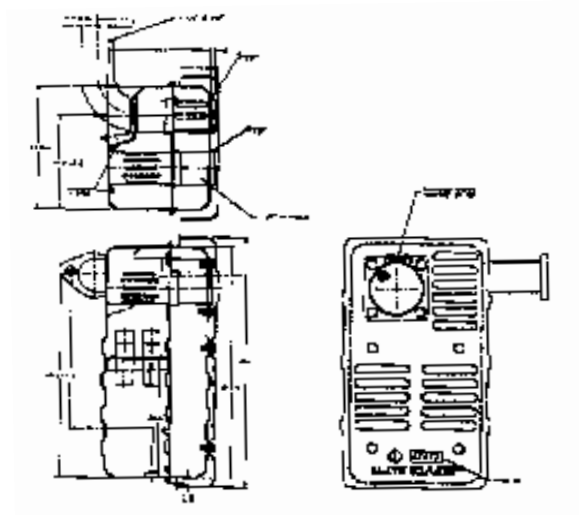


18410212

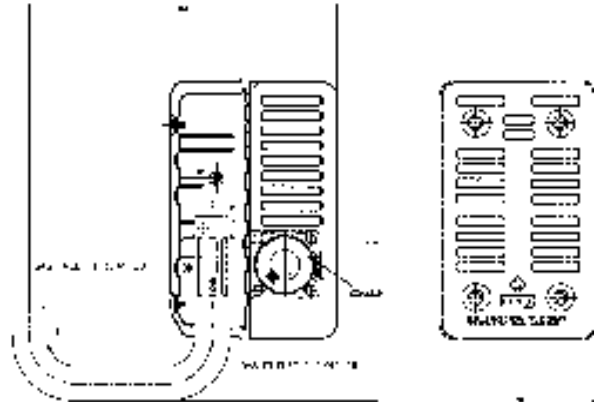


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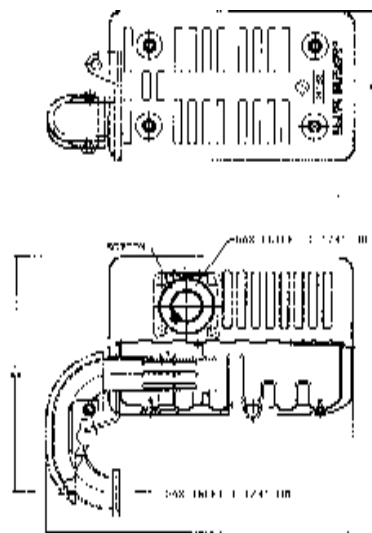
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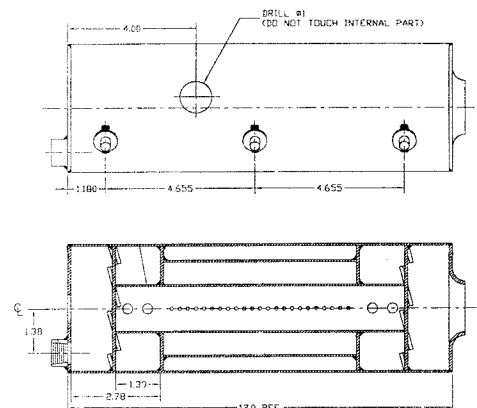
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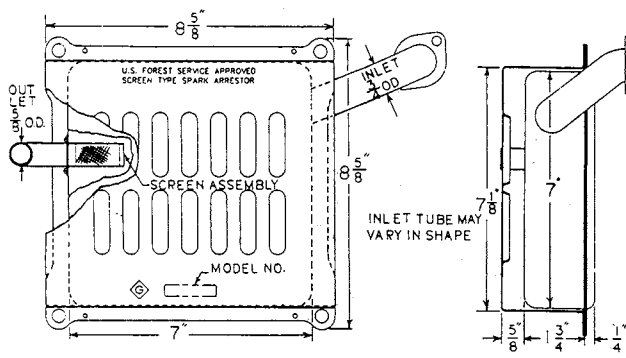
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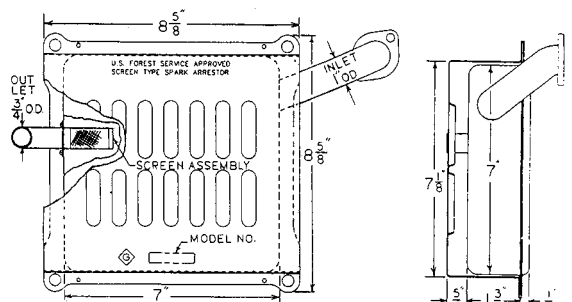
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GeC7575



Ge72082 and 72281

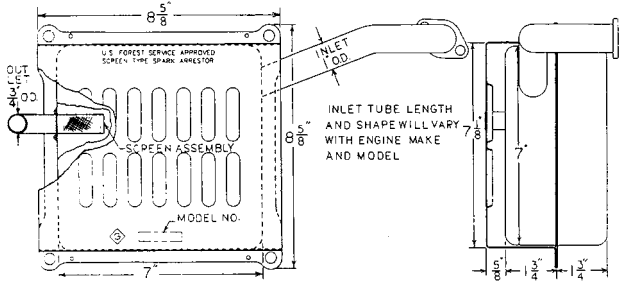


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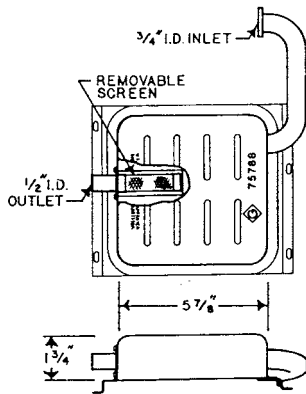
GENERAC • GIBSON



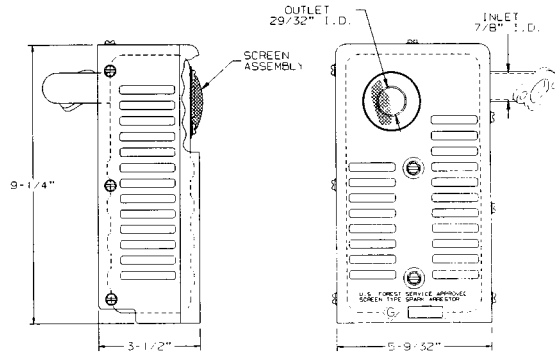
Generac 30699	—	See Nelson T-11068C
31145	—	T-11159
33232	—	T-11606
37924	—	T-13304
		(Approved as T-9458)
37936	—	T-12760B
38560	—	T-13265
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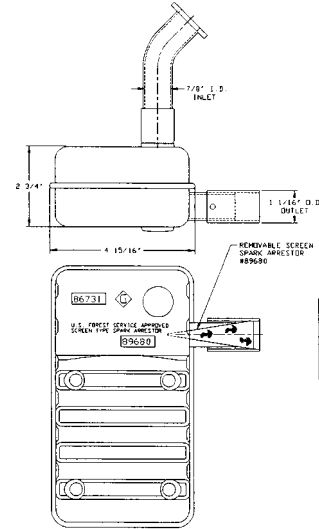
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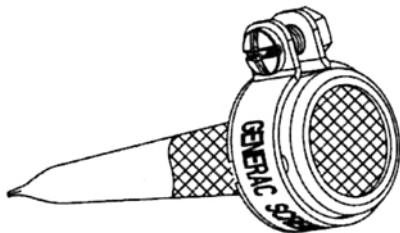
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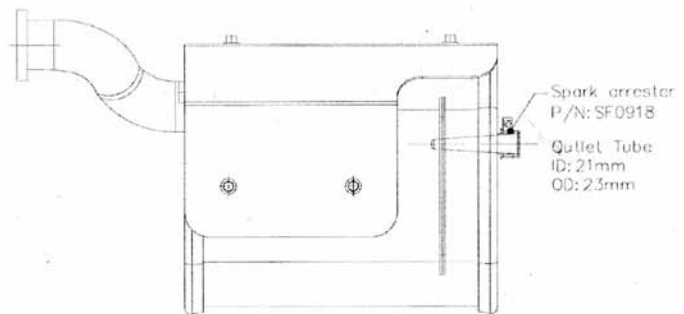
83083



Ge89680

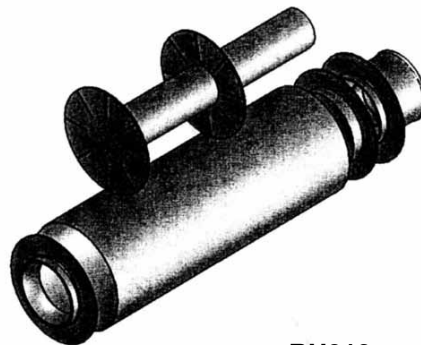


OH 8811



SF

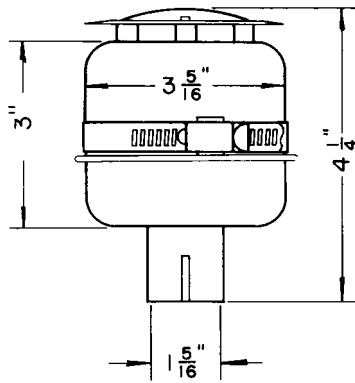
GIBSON



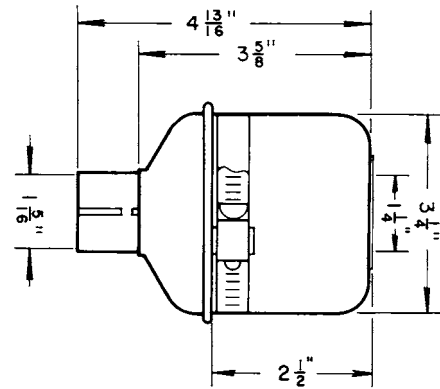
RH012

GILL

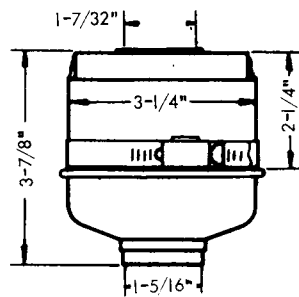
GILL



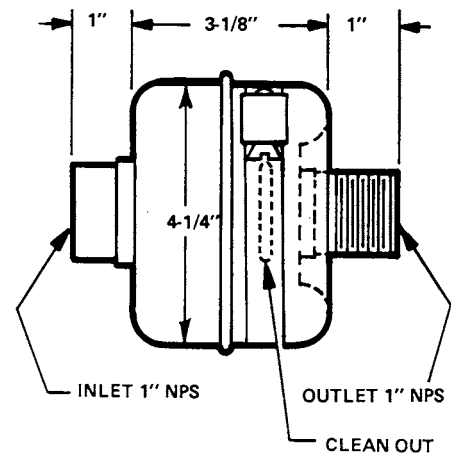
3C



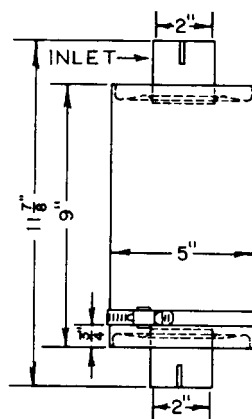
3CIP (Horiz)



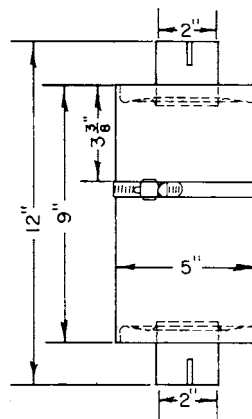
3C-USFS Mod.



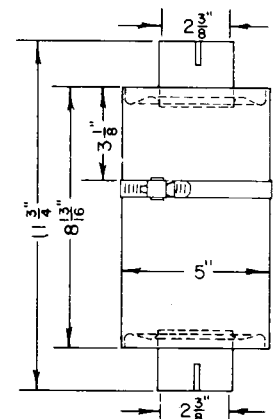
4CIP



5C20A Inverted



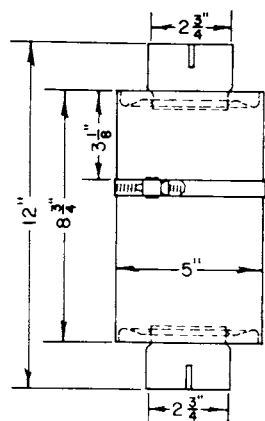
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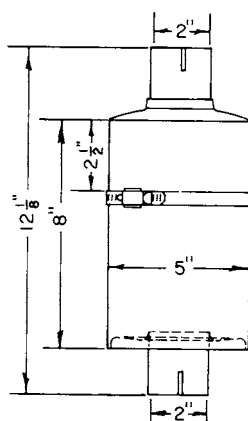
5C23B

GILL

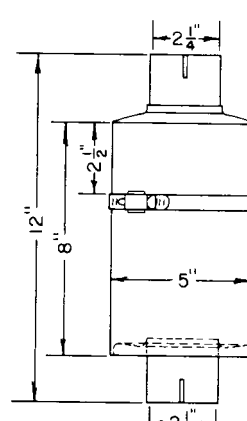
GILL



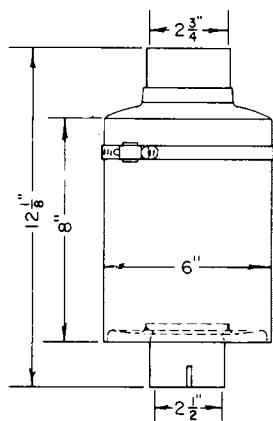
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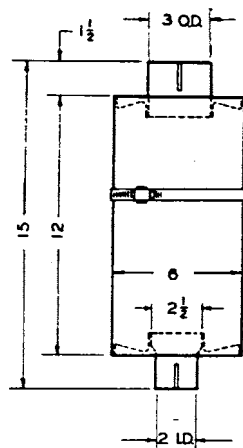
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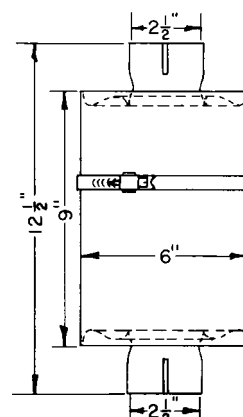
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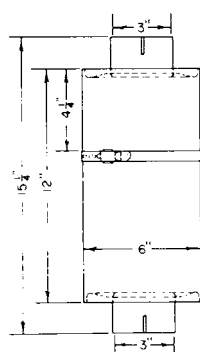
6CV24



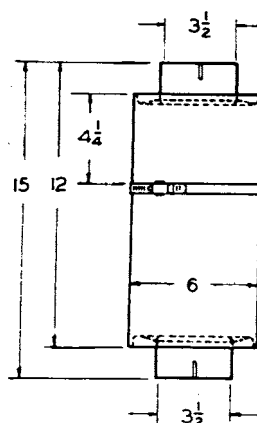
6C2030 (12 in)



6C24 (12 in)



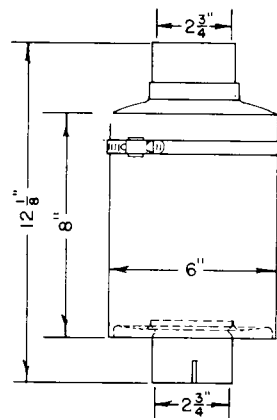
6C30 (12 in)



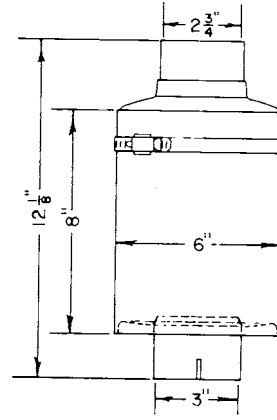
6C34 (12 in)

GILL

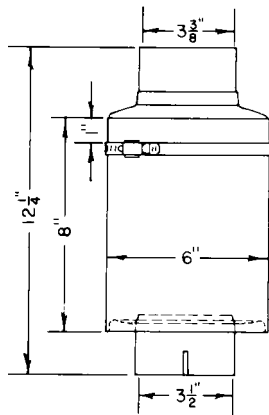
GILL



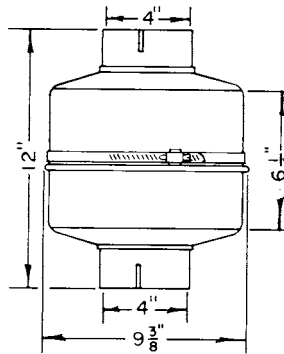
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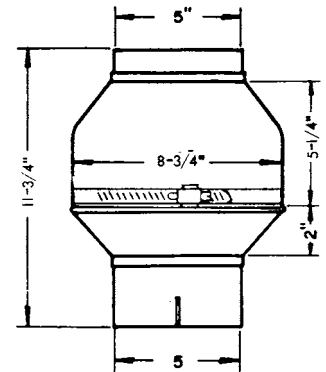
6CV30



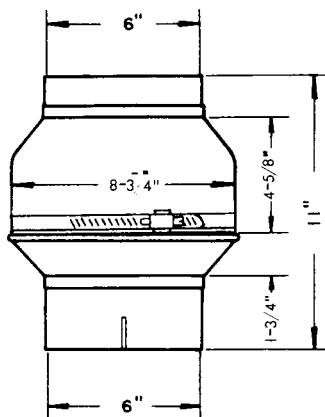
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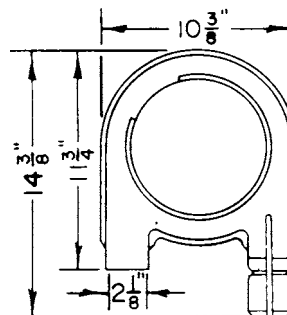
8CV40



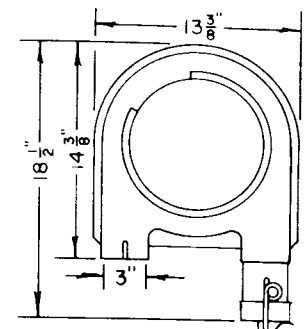
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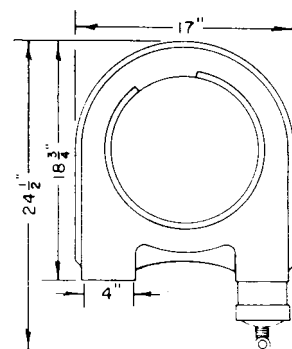
8CV60



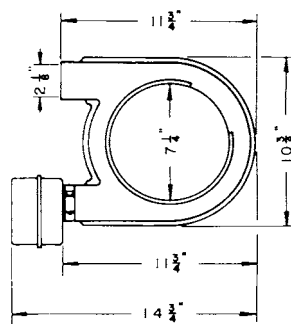
GSF-200



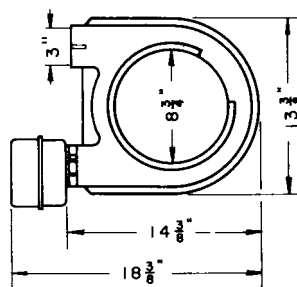
GSF-300



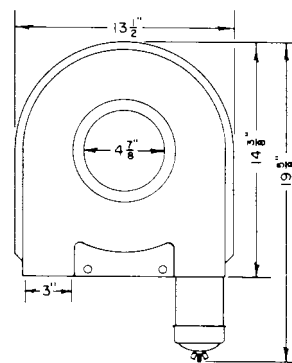
GSF-400



GSH-200



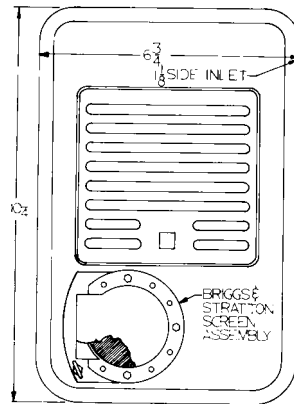
GSH-300



GSO-300

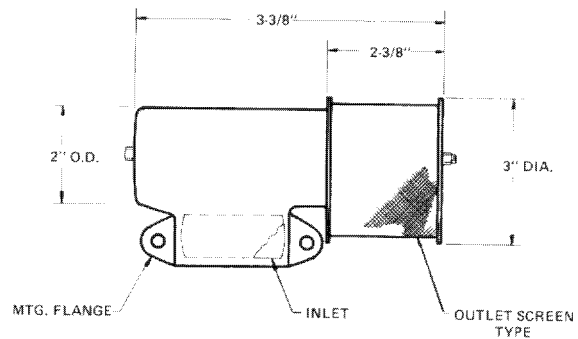
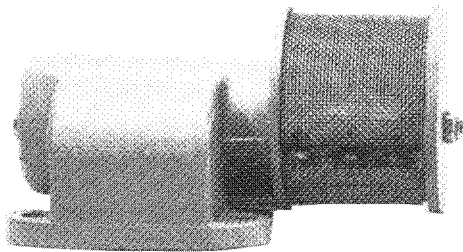
GILSON • GORMAN-RUPP • HALE

GILSON



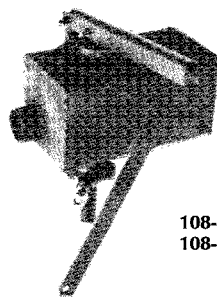
36742 Screen Assembly 392154

GORMAN-RUPP

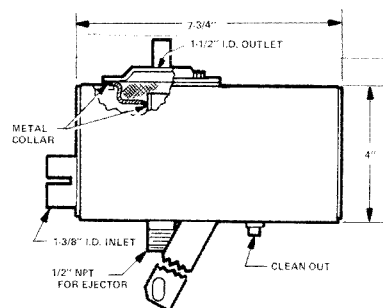


462611-018

HALE



108-0230-02
108-0230-06*

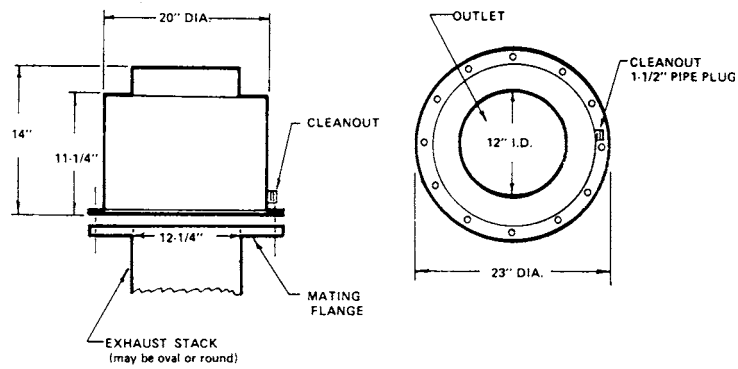


*Modified 108-0230-02 for use on 1-cylinder of an engine. An elbow has been added to the inlet to accommodate mounting.

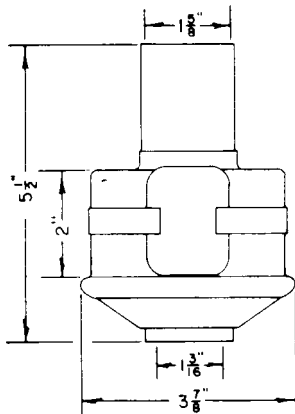
HALE 108-0230-02
HALE 108-0230-06

HAPCO

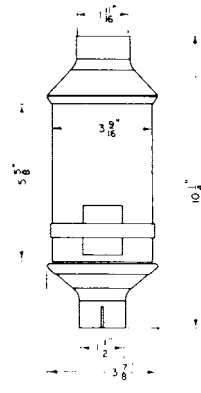
HAPCO



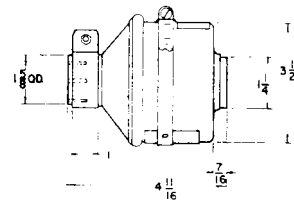
HAP12AC12LP



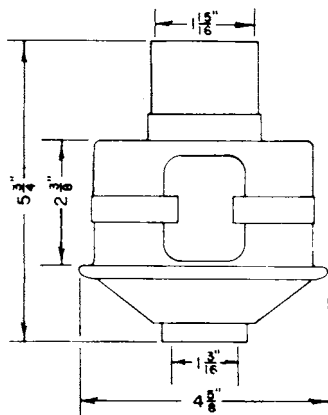
1AA



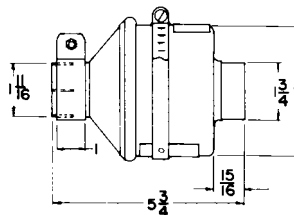
1AA S.A.M. 13-18



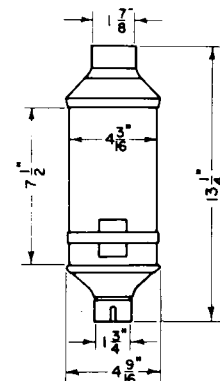
1AAXH



2AA



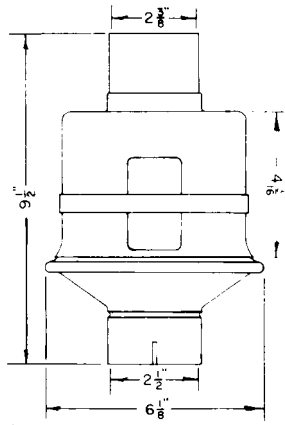
2AAH



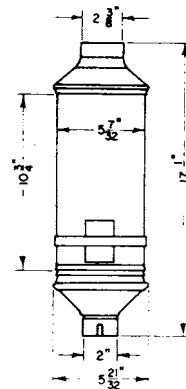
2AA S.A.M. 24-112

HAPCO

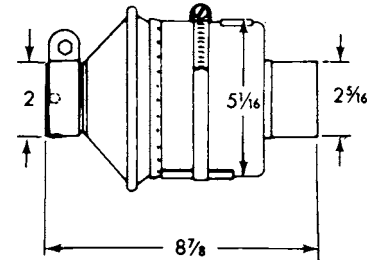
HAPCO



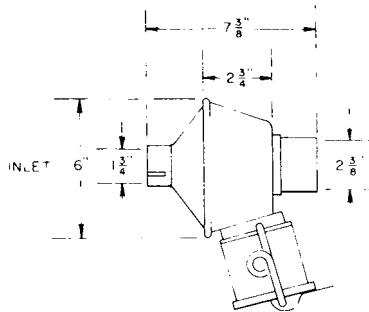
3AA



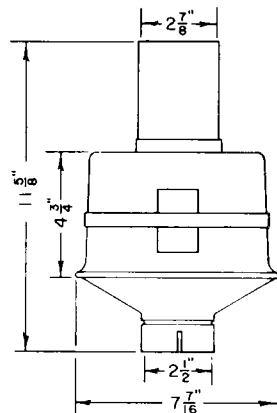
3AA S.A.M. 36-2



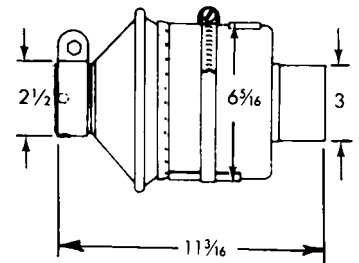
3AAXH



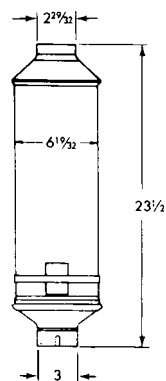
3H



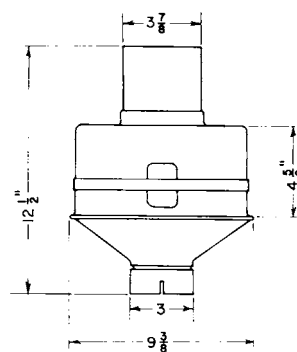
4AA



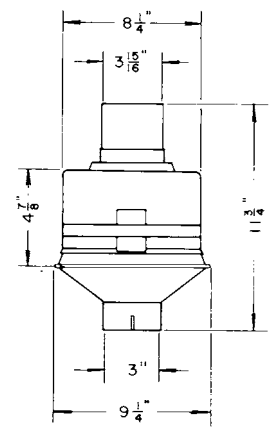
4AAH



4AA S.A.M. 48-3



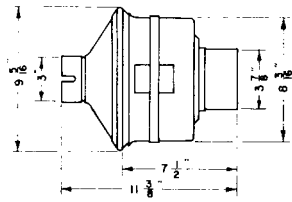
5AA



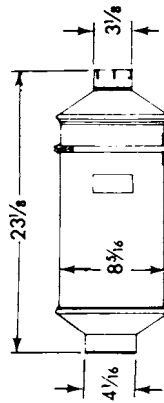
5AA (altered)

HAPCO

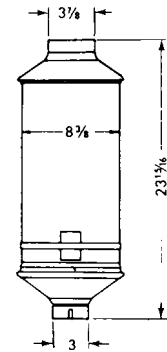
HAPCO



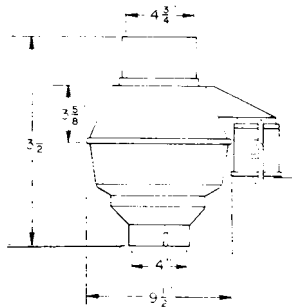
5AAH



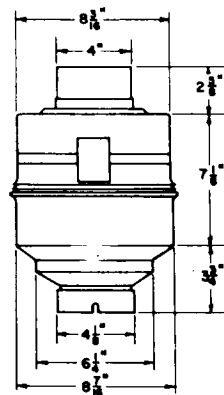
5AAH S.A.M. 59-3



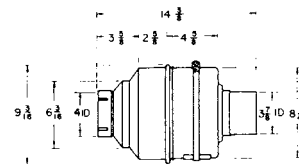
5AA S.A.M. 59-3



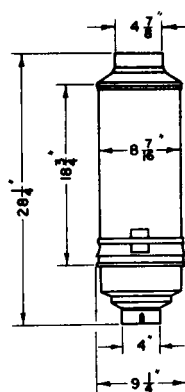
6A or 6H



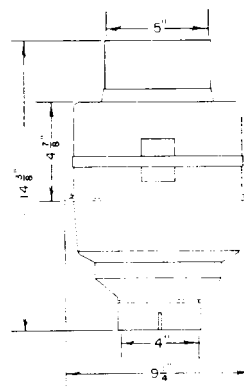
6AA (4" outlet)



6AAH



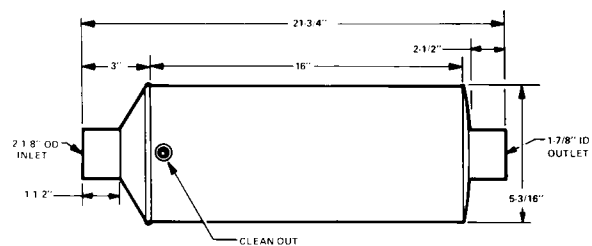
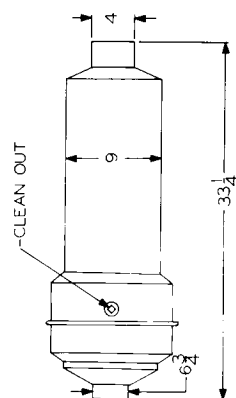
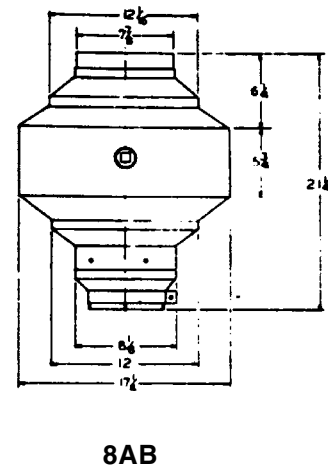
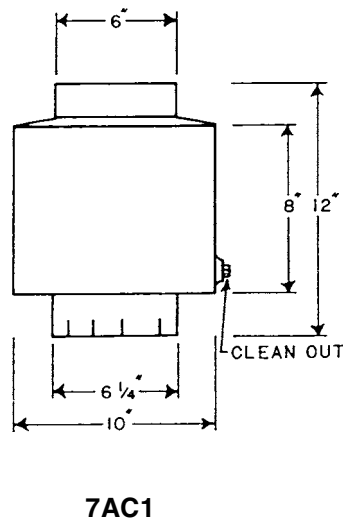
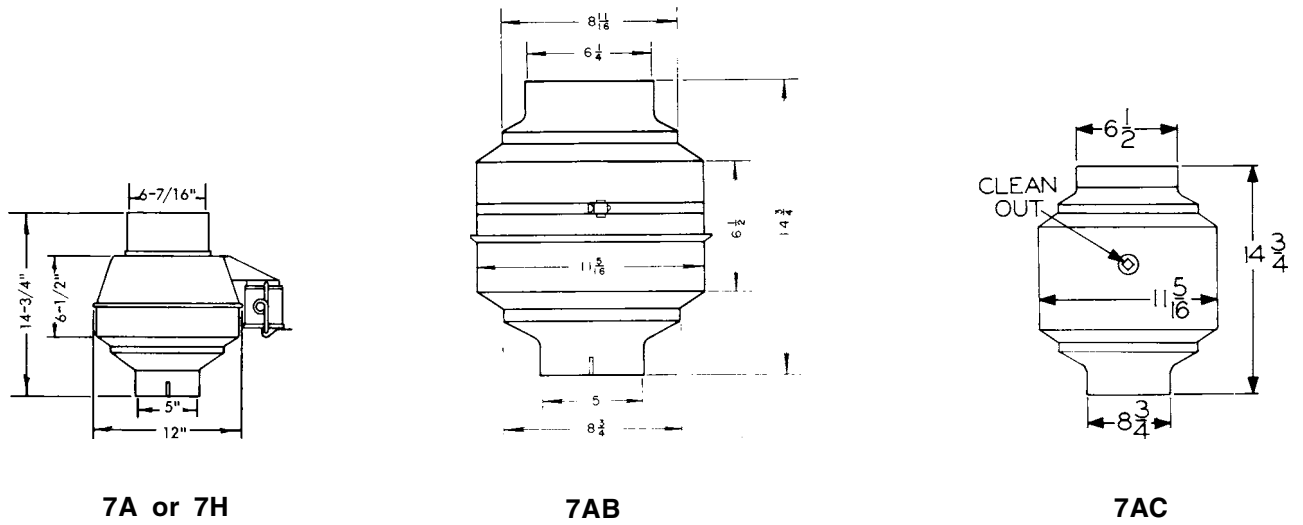
6AA S.A.M. 69-4



6AB

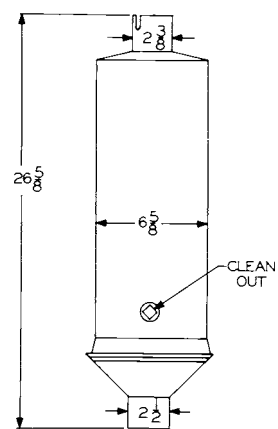
HAPCO

HAPCO

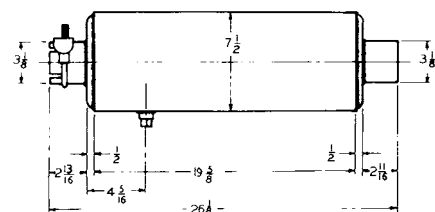


S.A.M. 712

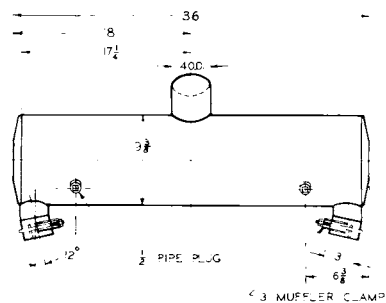
SASR 36-H, 3AAXH



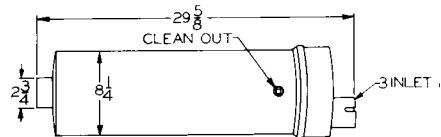
SASR 48



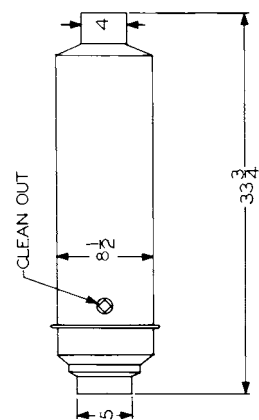
SASR 48-H



SASR 559



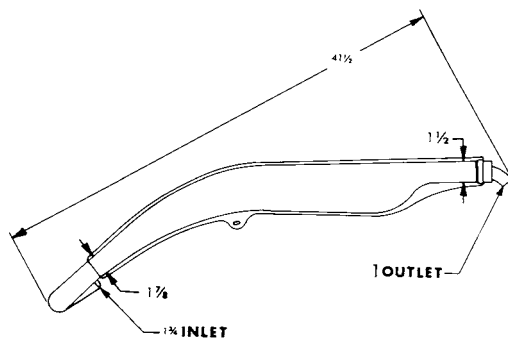
SASR 59



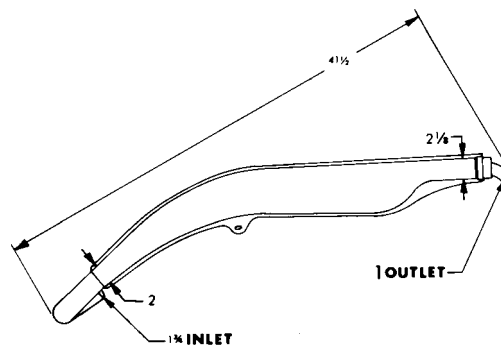
SASR 69-H

HARLEY-DAVIDSON • HER CHEE

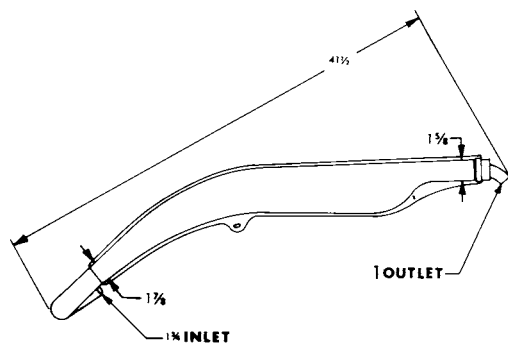
HARLEY-DAVIDSON



65234-75P

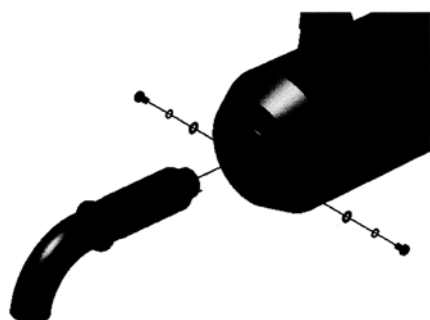


65241-75P

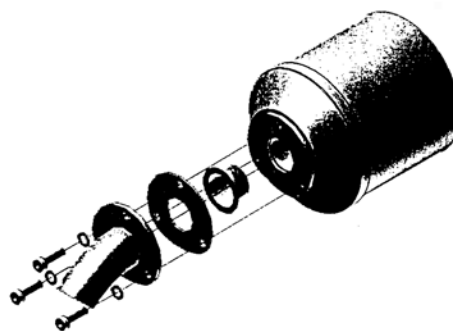


65463-75P

HER CHEE



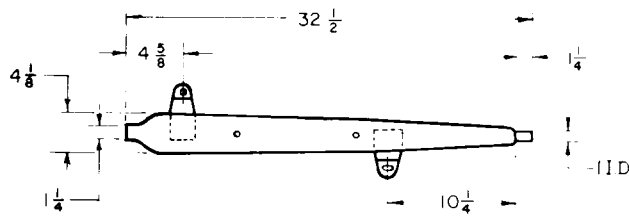
18300-169



18300-197

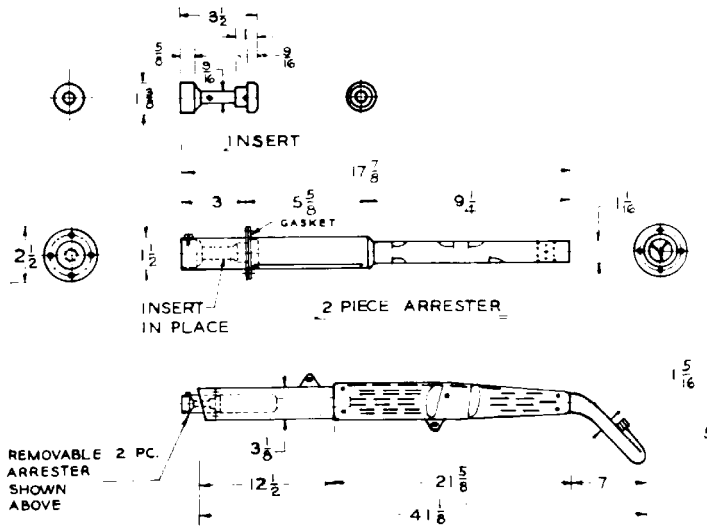
HODAKA • HODAKA-KRIZMAN • HONDA

HODAKA



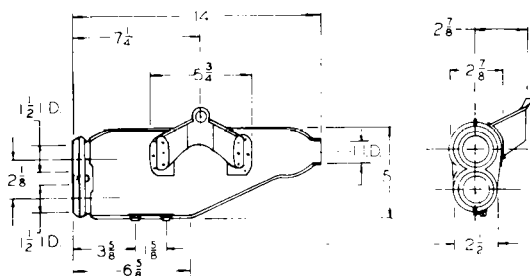
ACE 90D

HODAKA-KRIZMAN

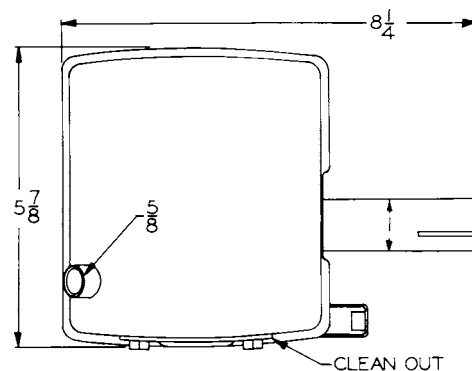


ACE 100

HONDA



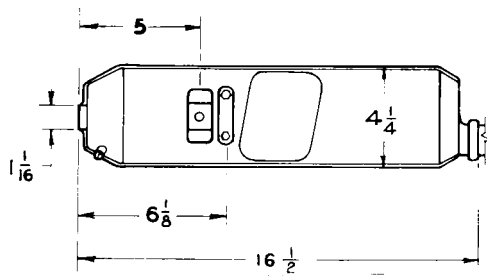
72



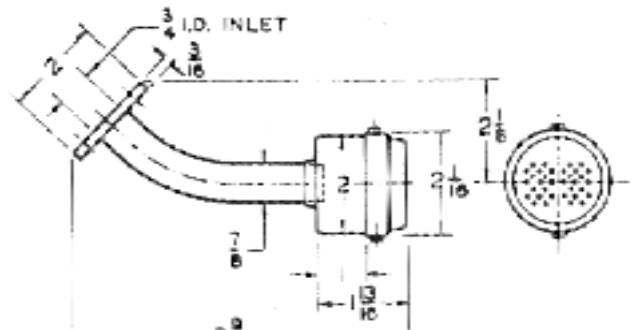
113

HONDA

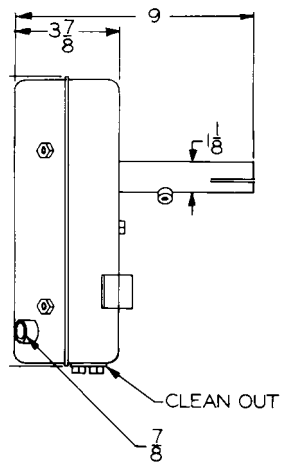
HONDA



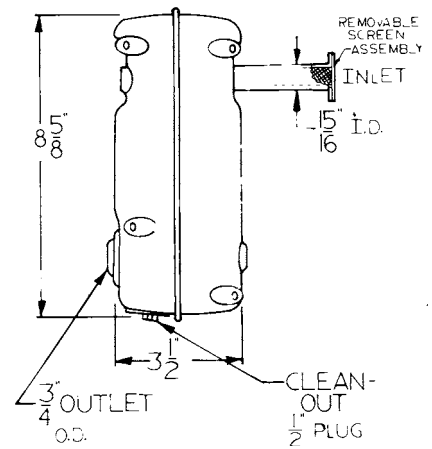
175



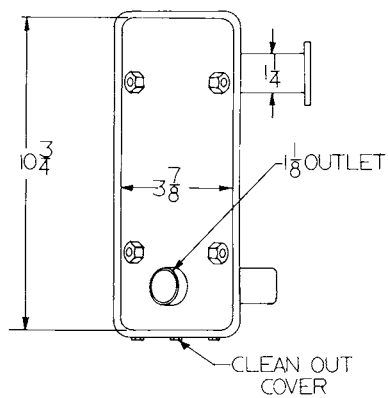
200



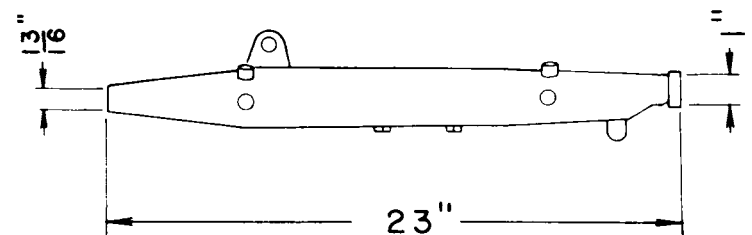
405-405A



408



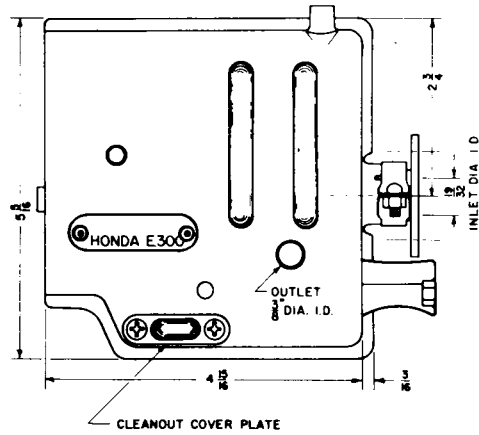
503



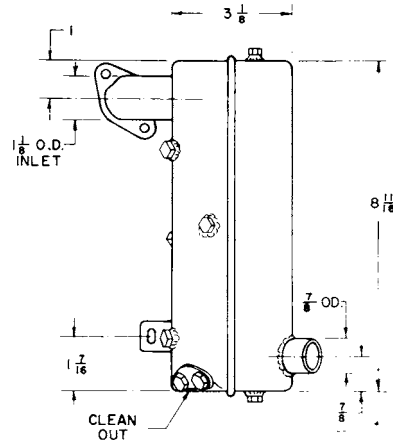
1063

HONDA

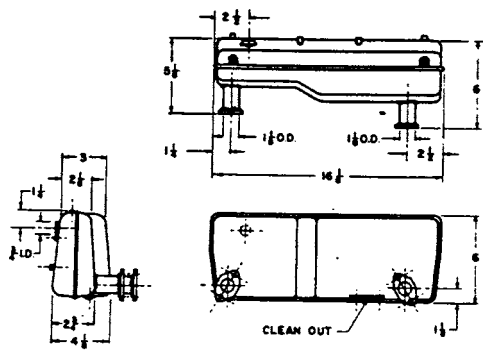
HONDA



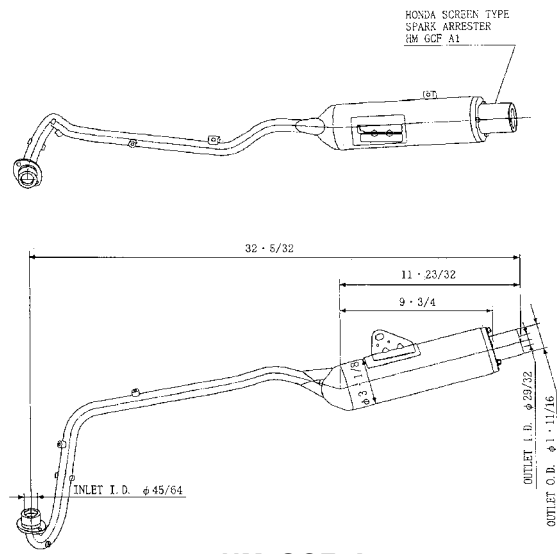
E300



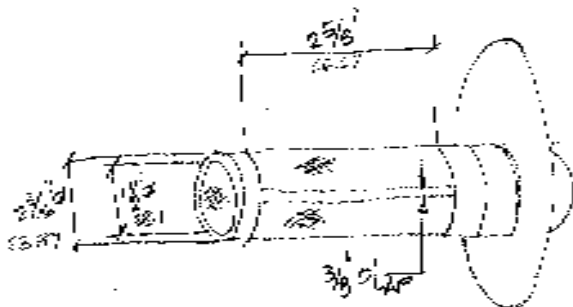
E400



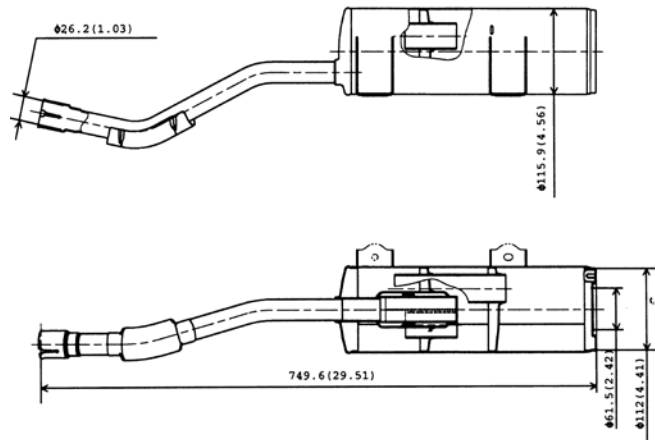
E600



HM GCF A1

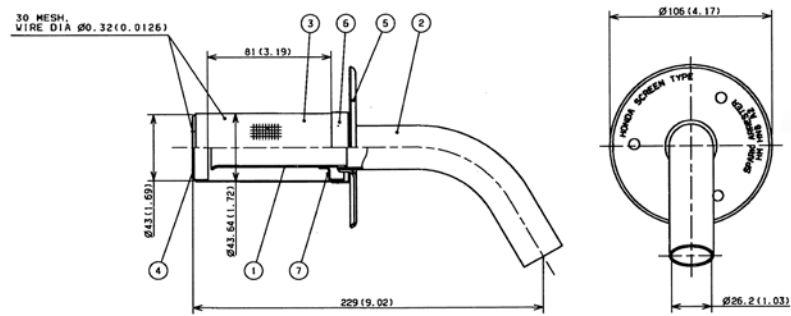


HM HN1 A1



HM HN6 A2

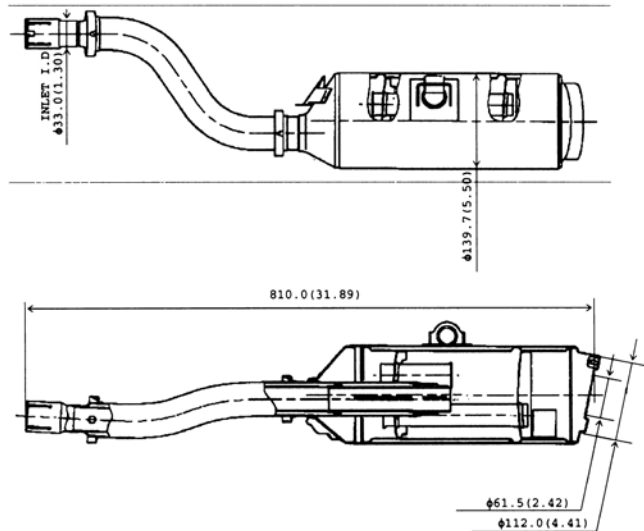
UNIT : Millimeter (Inch)



No	NAME	MATERIAL
1	PIPE A	SUS409L
2	PIPE B	SUS409L
3	WIRE, CLOTH A	SUS304
4	WIRE, CLOTH B	SUS304
5	DISK, ARRESTER NT	SUS304
6	PLATE RING	TS-25 GR HBA50AM
7	STAY, CLOTH	TS-25 GR HBA50AM

UNIT : Millimeter (Inch)			
	TITLE	MODEL	HONDA MOTOR CO., LTD.
	SPARK ARRESTER	TRX680FA/FGA	No.
01	25 JUL 2005		US-HN8-SA42-1
	ISS.DATE		

HM HN8 A2

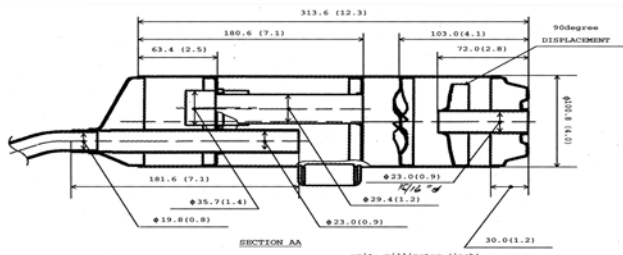


HM HP0 A1

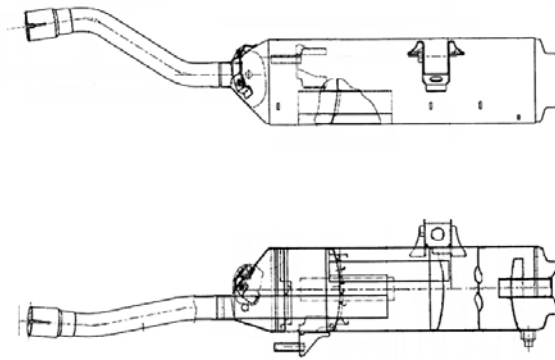
No	NAME	MATERIAL
1	DIFFUSER PIPE	SUS409L
2	END CAP	SA1080
3	CLOTH WIRE	SUS304
4	ARRESTER MOUNT DISK	SUS304L

UNIT : Millimeter(Inch)			
	TITLE	MODEL	HONDA MOTOR CO., LTD.
	SPARK ARRESTER	TRX450R TRX450ER	No.
0	21 June 2005		US-HP1-SA42-1
	ISS.DATE		

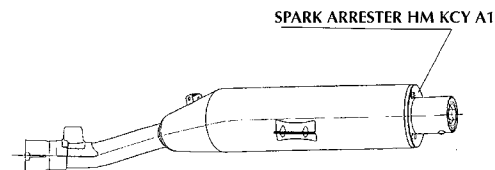
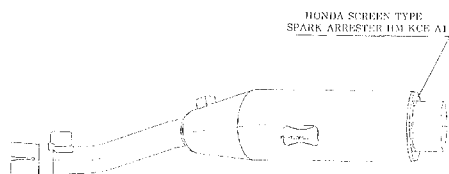
HM HP1 A2



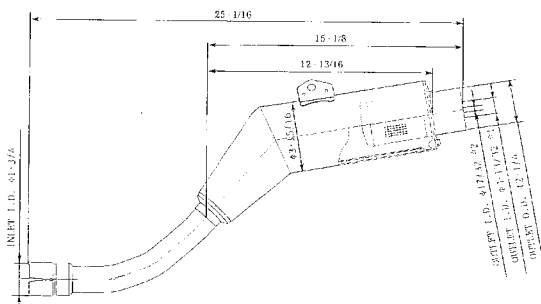
HM HP2 A1



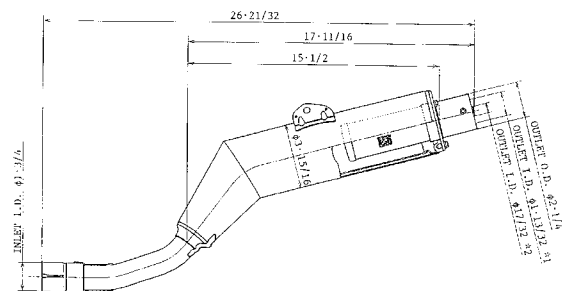
HM HP5 600



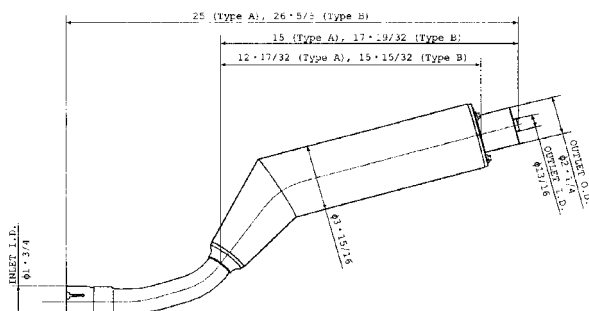
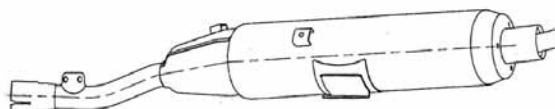
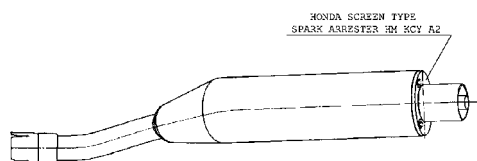
SPARK ARRESTER HM KYC A1



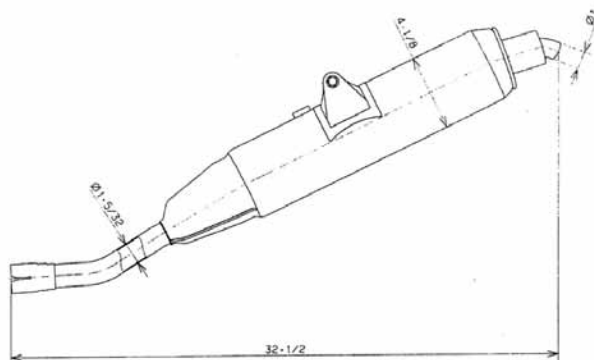
HM KCE A1



HM KCY A1



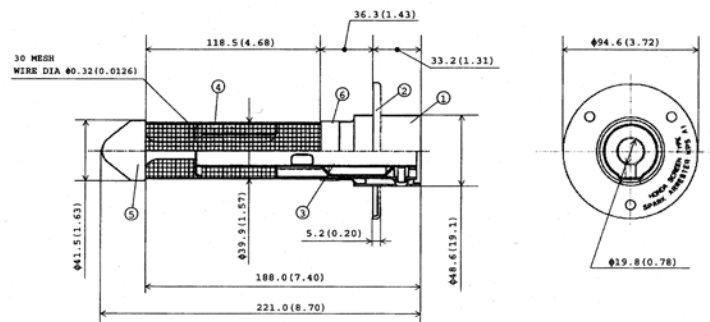
HM KCY A2



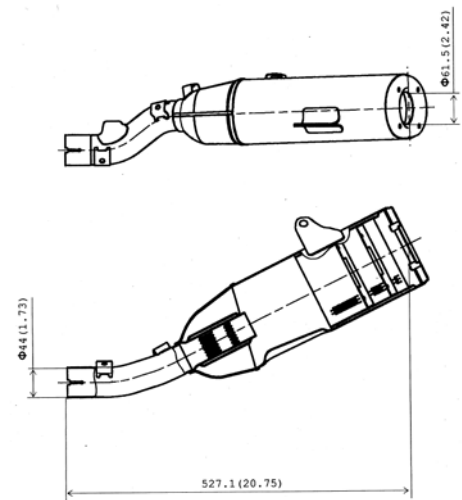
HM KFB A1

HONDA

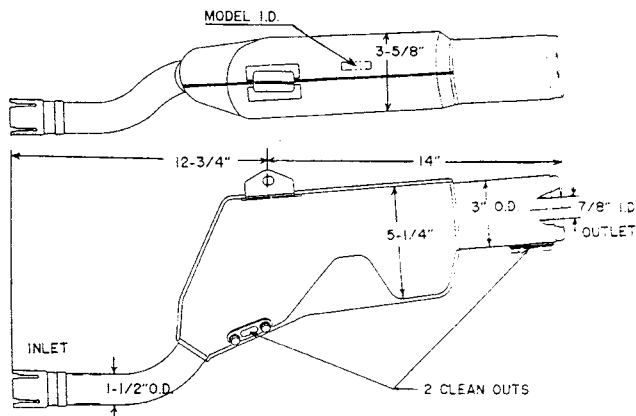
HONDA



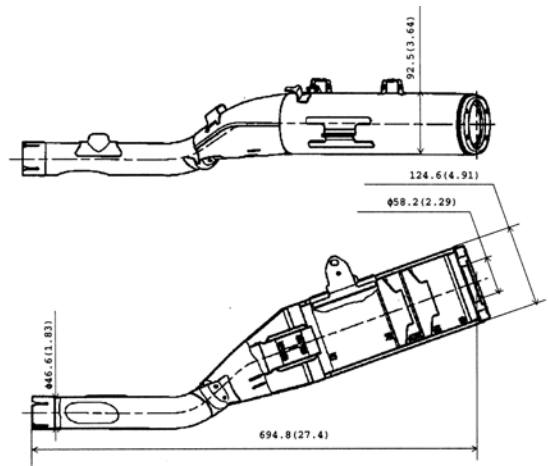
HM KPS A1



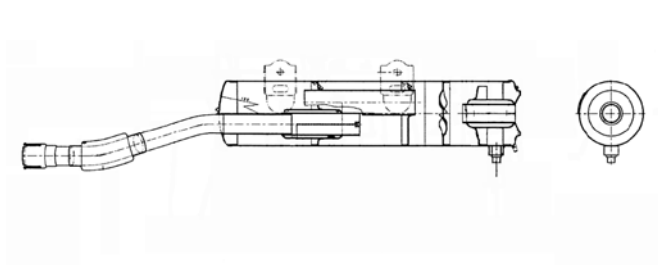
HM KSC A1



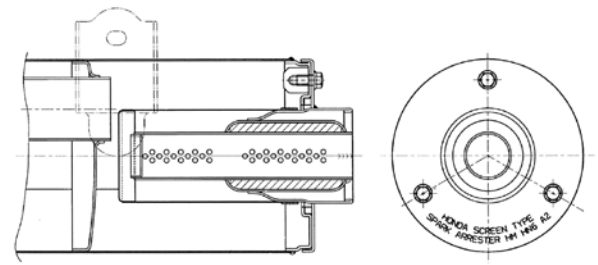
HM KV6 A1



HM MEY A1



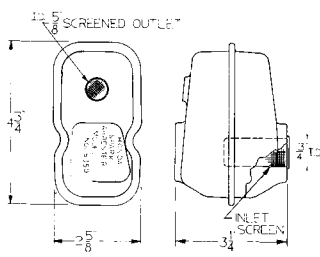
HM8 B40



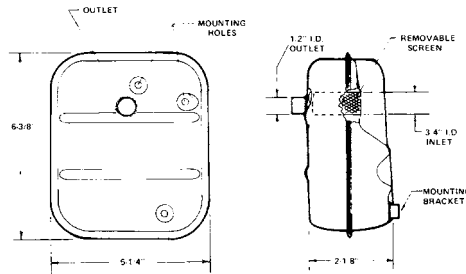
HN6 A2

HONDA

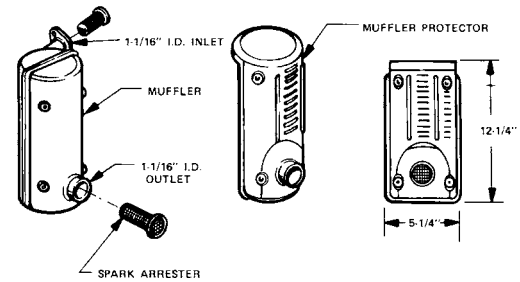
HONDA



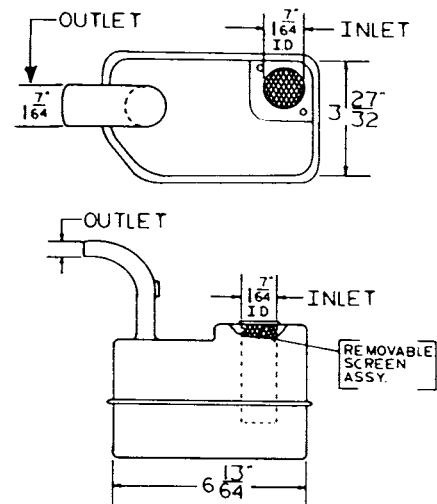
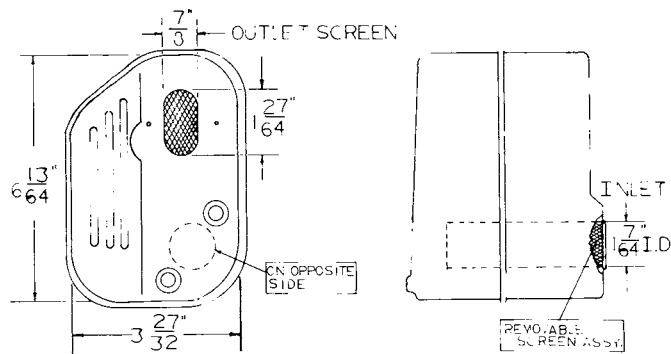
S-350



S-351

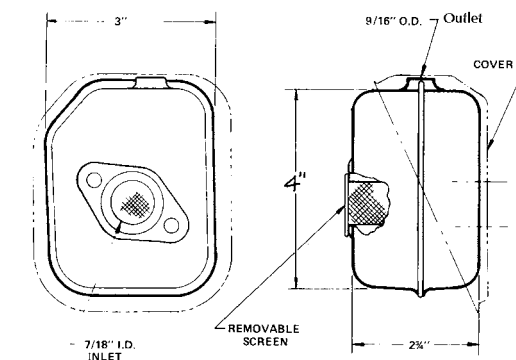
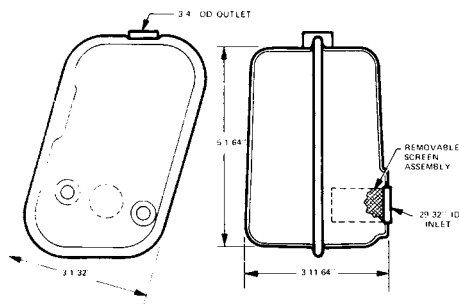


S-352



Note: This Honda S-353 has one body shape with outlet opposite inlet, with NO outlet extension, and one body with outlet on same side as inlet—outlet has extension pipe and same screen.

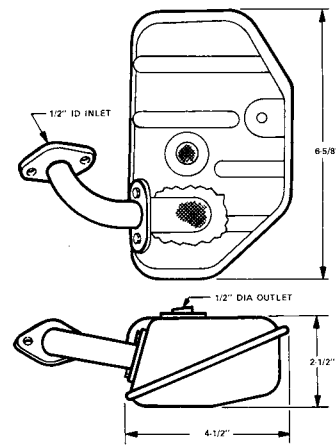
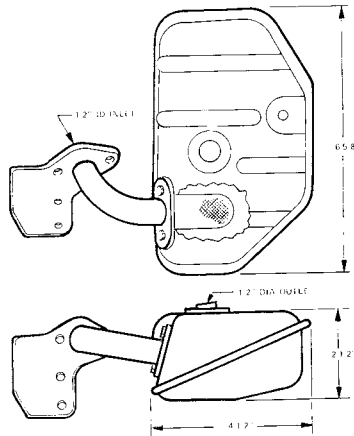
S-353



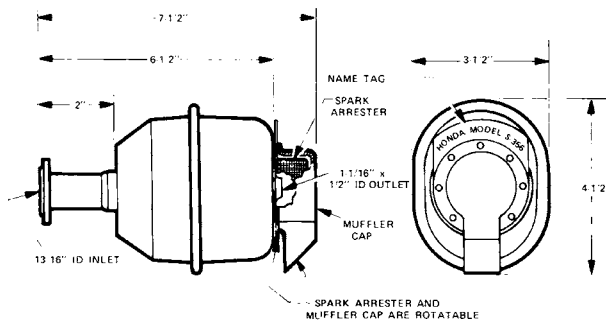
S-354

HONDA

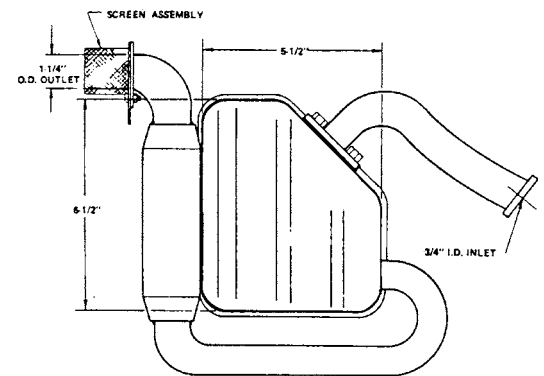
HONDA



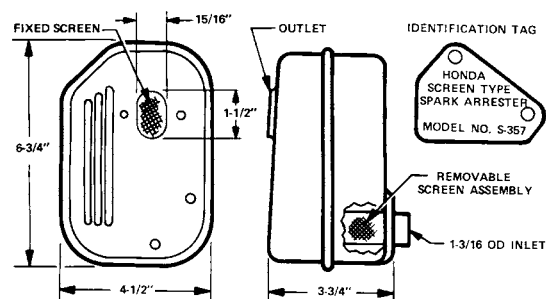
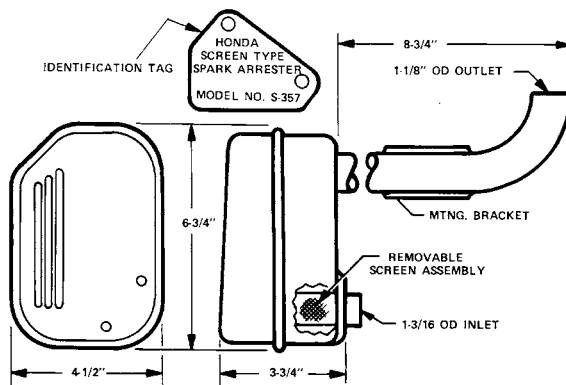
S-355



S-356



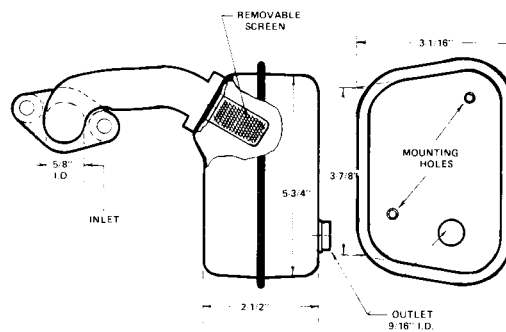
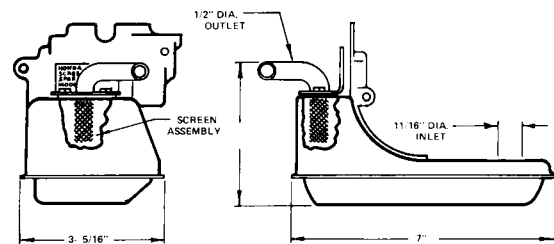
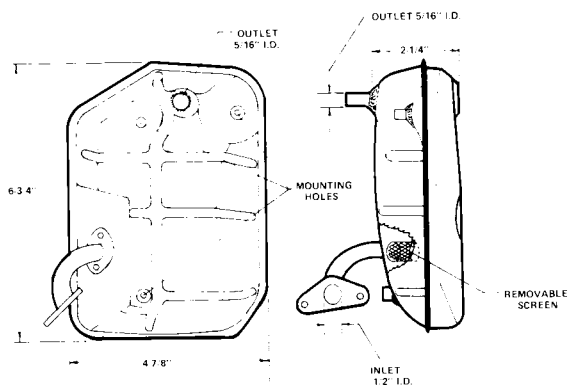
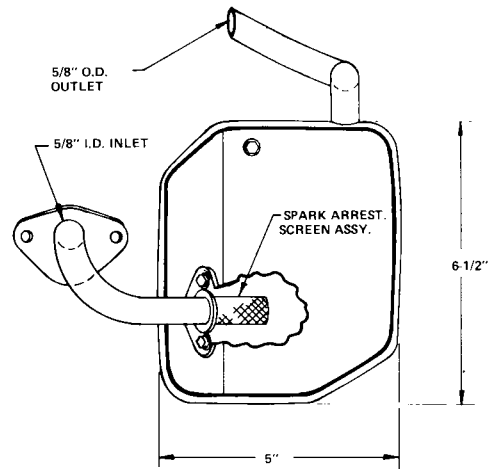
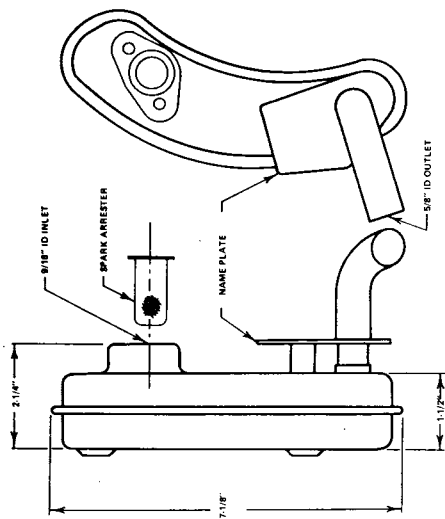
S-356A



S-357

HONDA

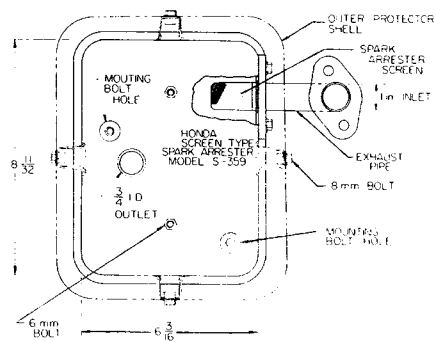
HONDA



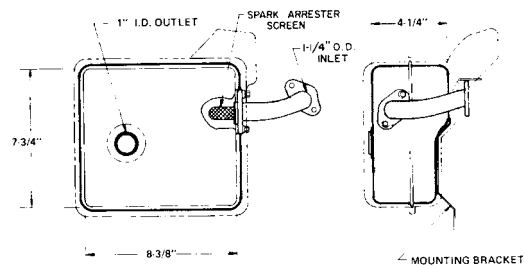
S-358

HONDA

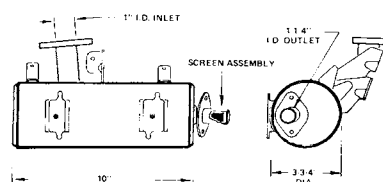
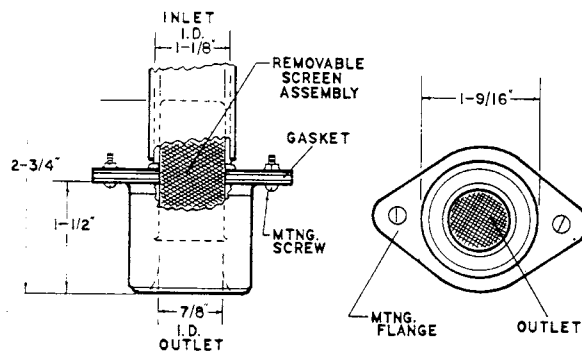
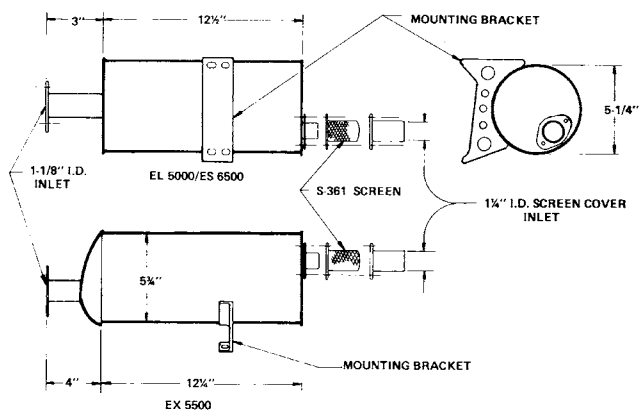
HONDA



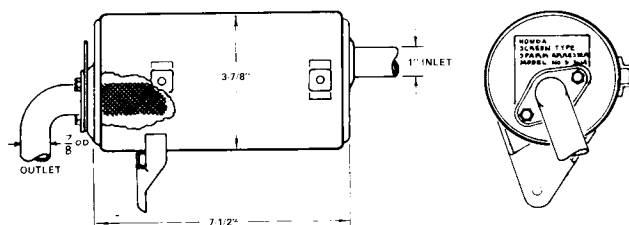
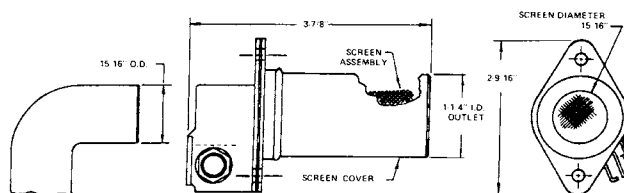
S-359



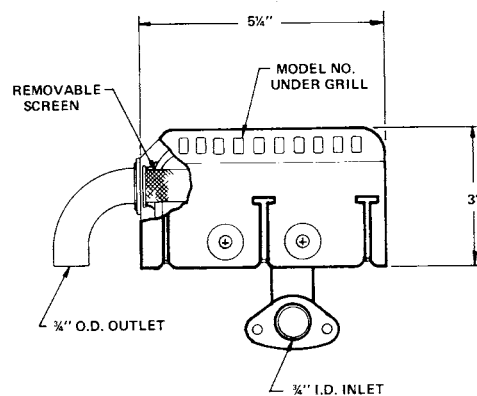
S-360



S-361



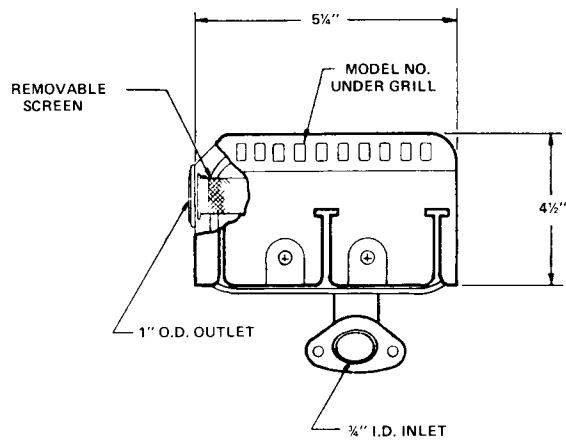
S-361A



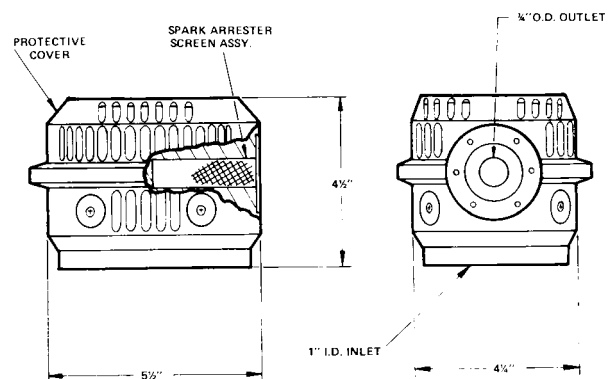
S-362

HONDA

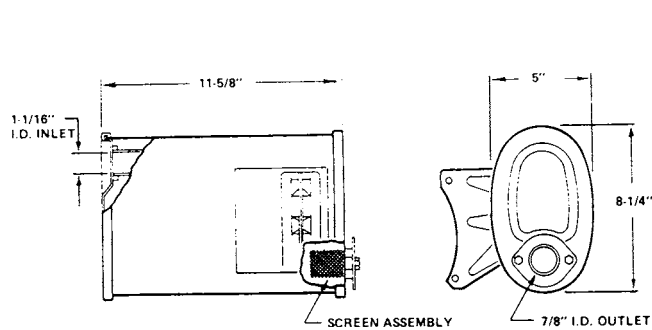
HONDA



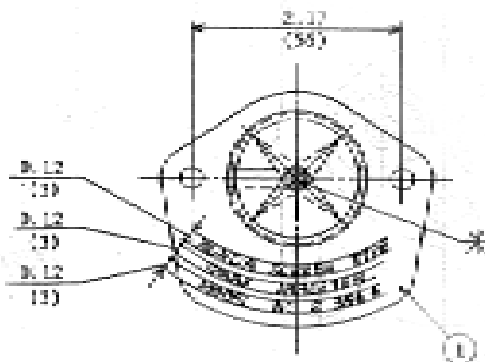
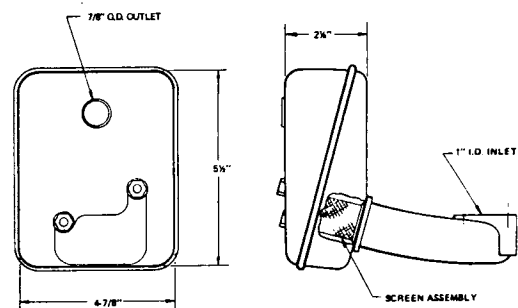
S-363



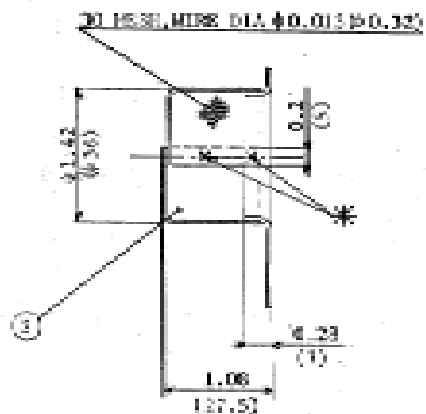
S-364



S-365

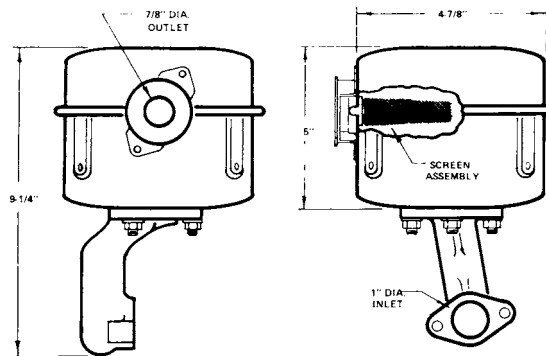


S365-A

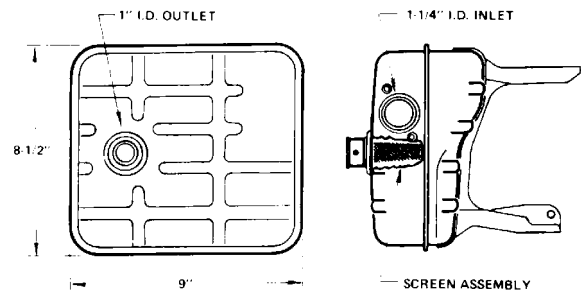


HONDA

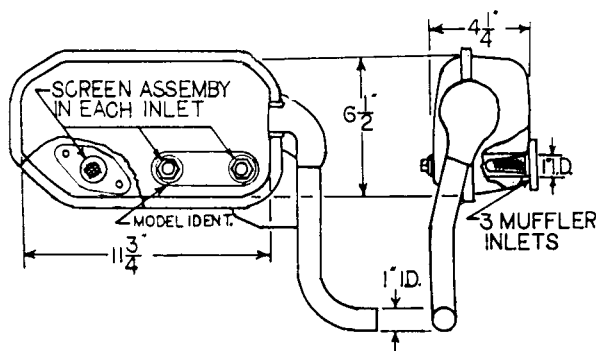
HONDA



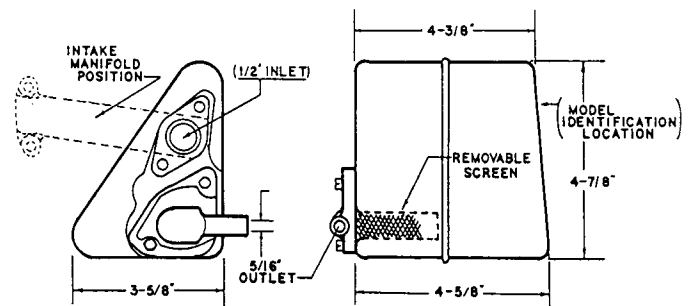
S-366



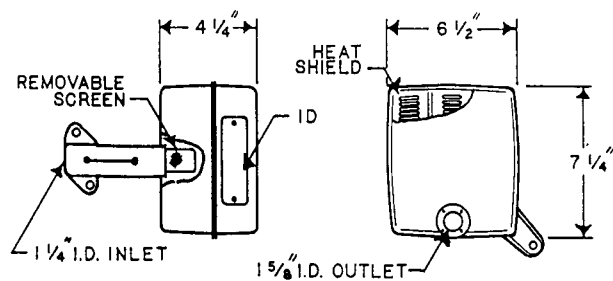
S-366A



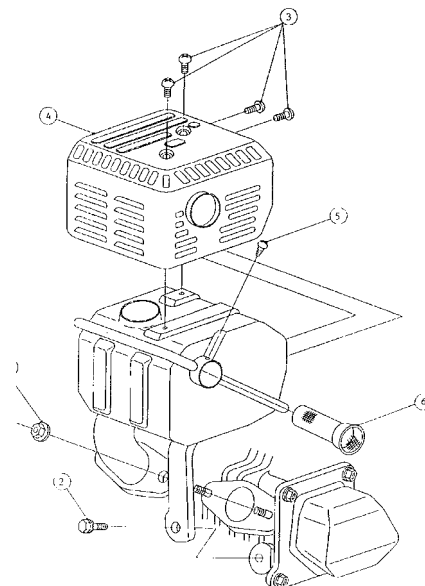
S-366B



S-367



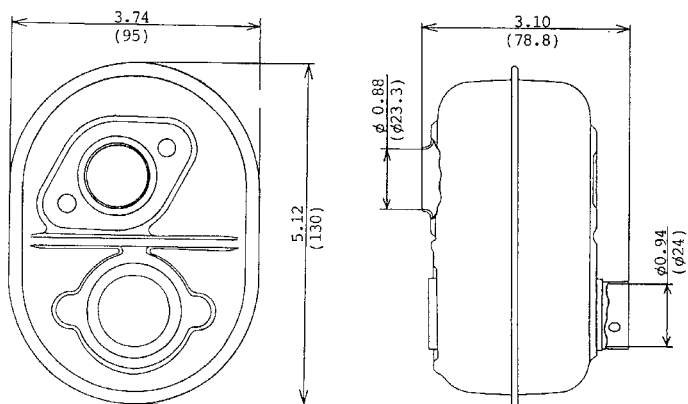
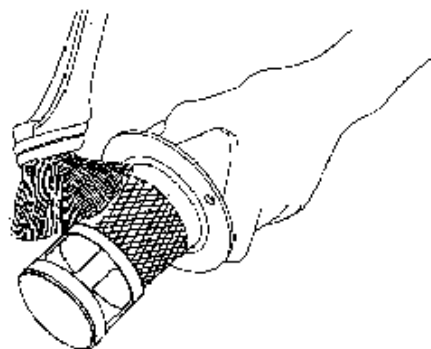
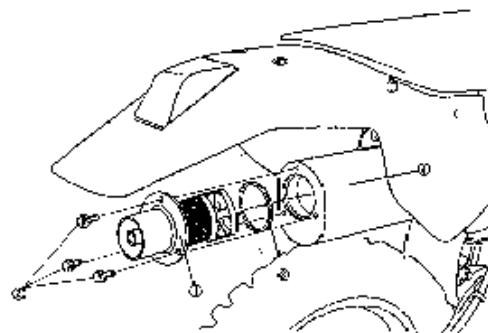
S-368



S-415

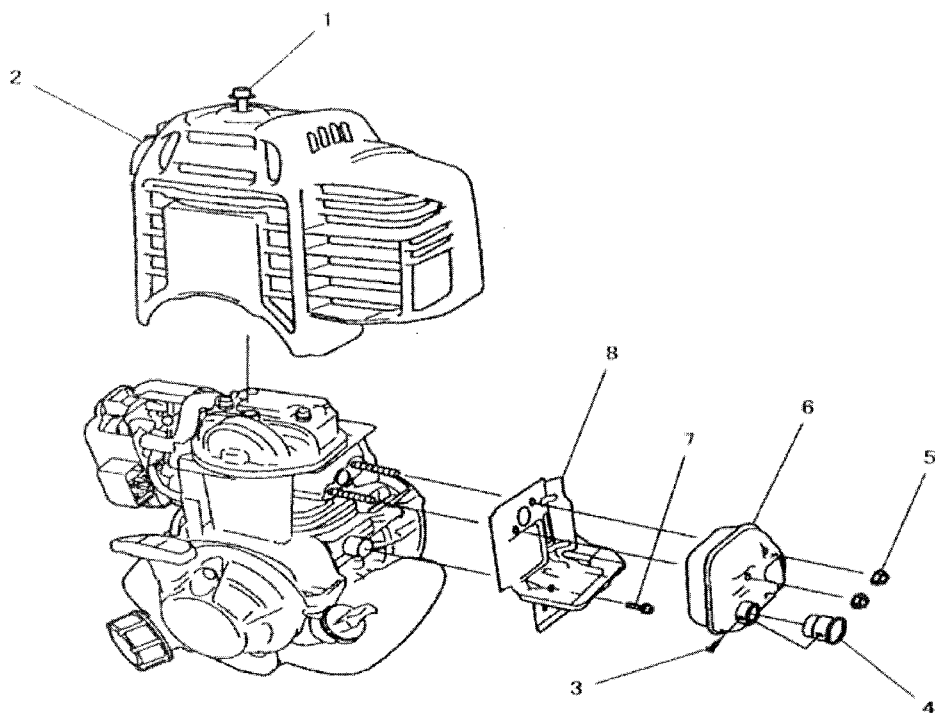
HONDA

HONDA



S-417

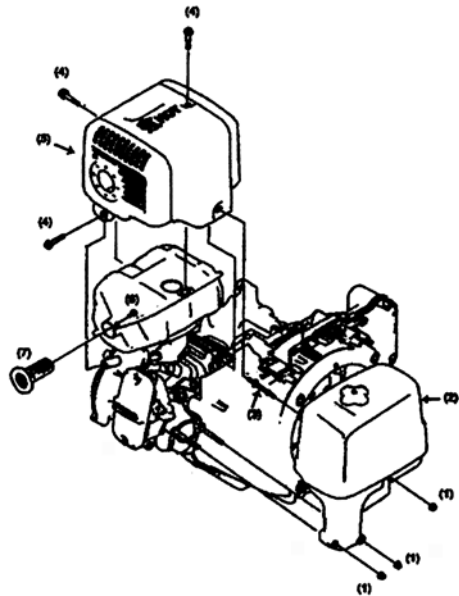
S-418



S-420

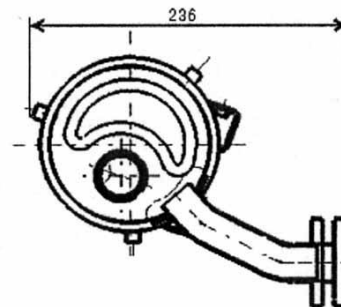
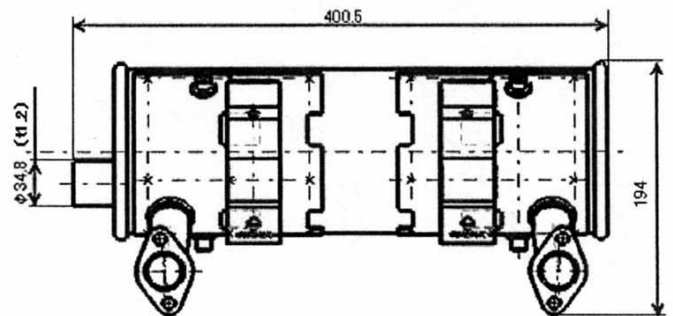
HONDA

HONDA

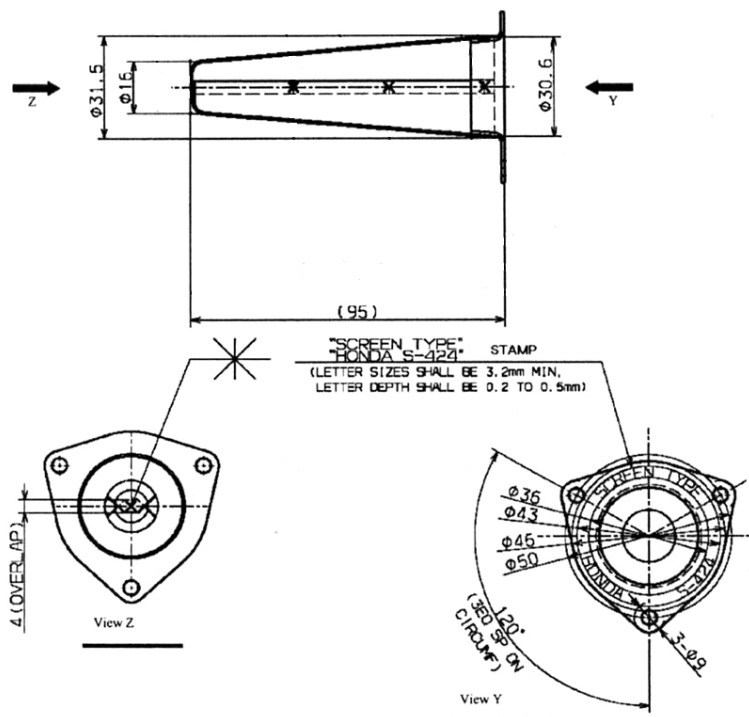


NO.	NAME
1	6 mm NUT
2	Air Cleaner
3	Stud Bolt
4	6 mm Bolt
5	Muffer Protection
6	5mm Screw
7	Spark Arrester

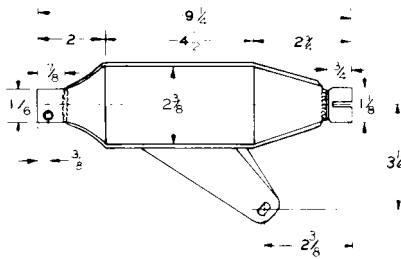
S-422



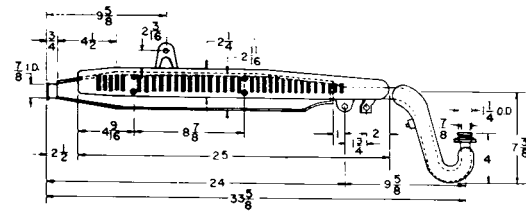
S-423



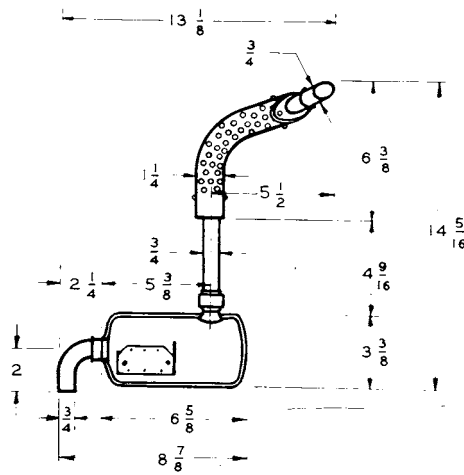
S-424



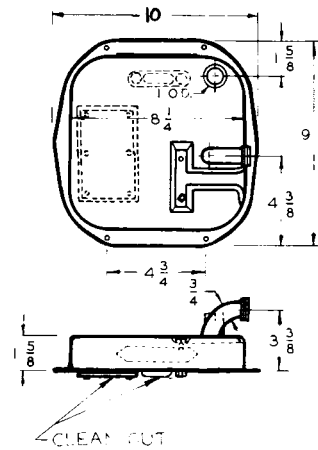
103



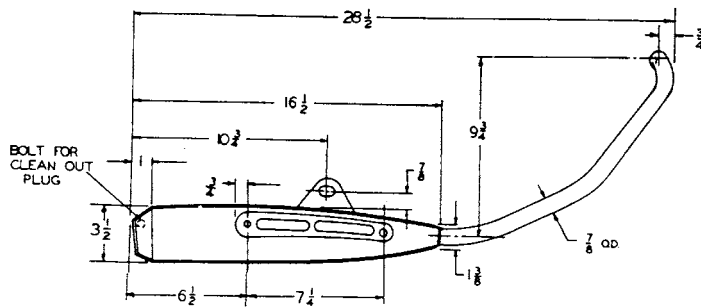
104



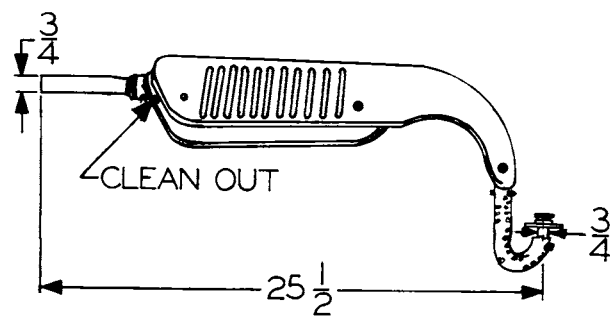
105



106



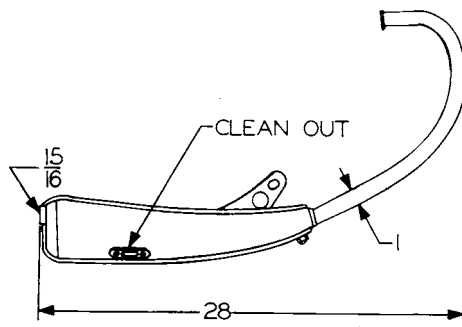
107



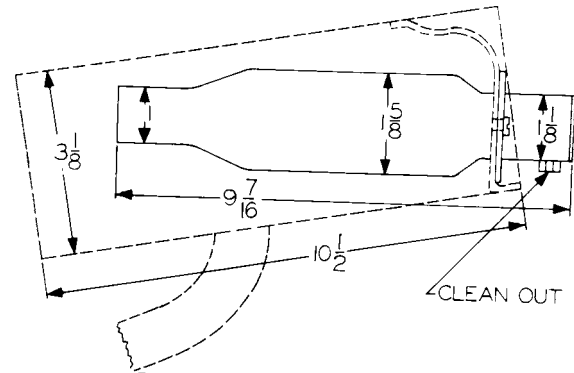
108

HONDA-KRIZMAN

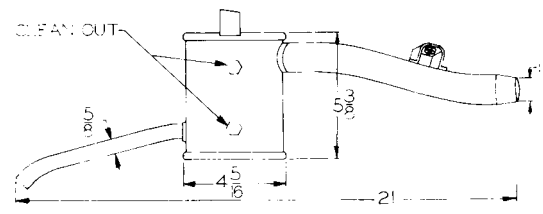
HONDA-KRIZMAN



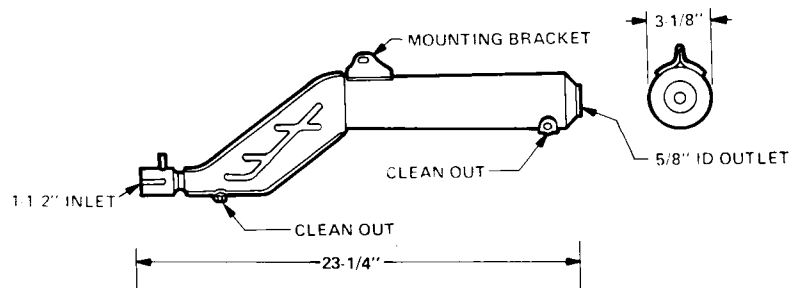
109



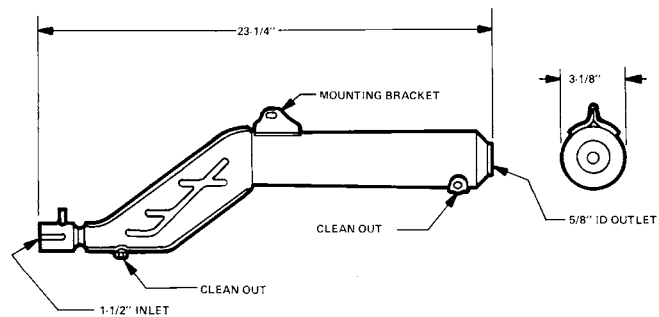
111



112



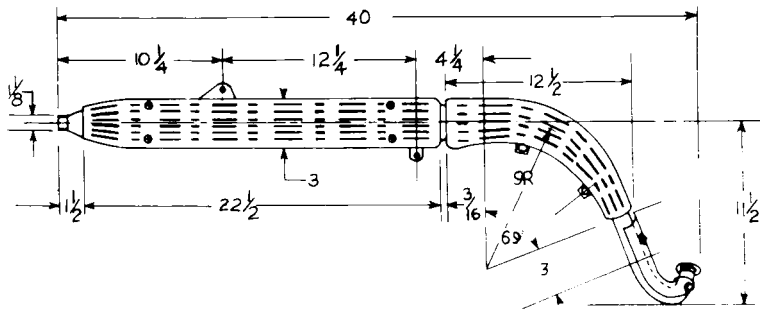
115 Production Model



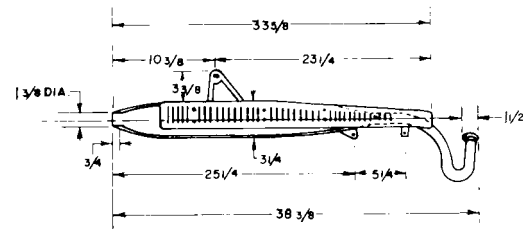
116

HONDA-KRIZMAN

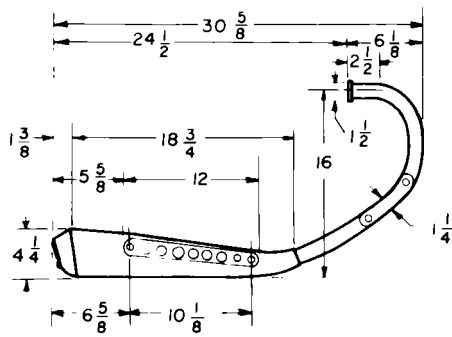
HONDA-KRIZMAN



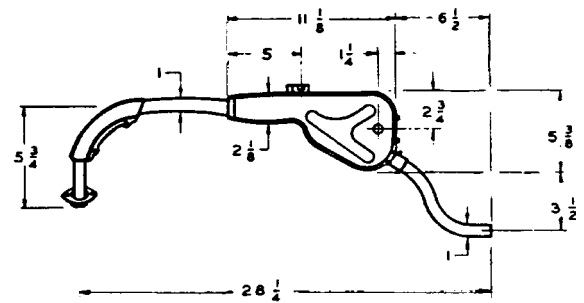
203



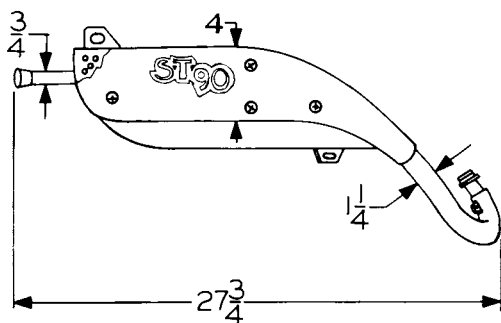
204



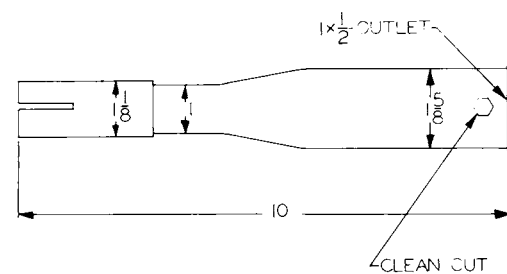
205



206



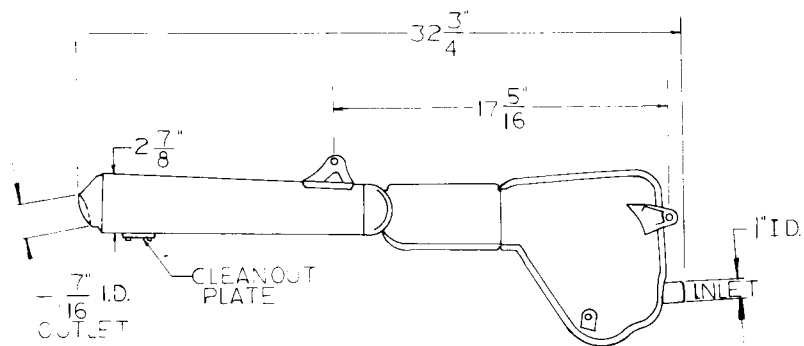
207



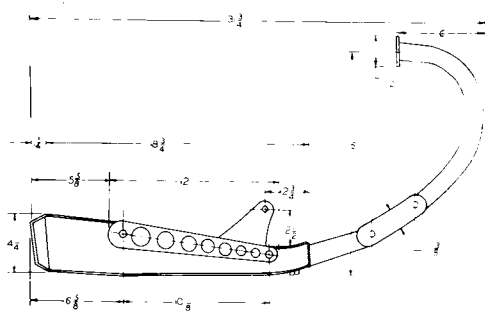
209

HONDA-KRIZMAN

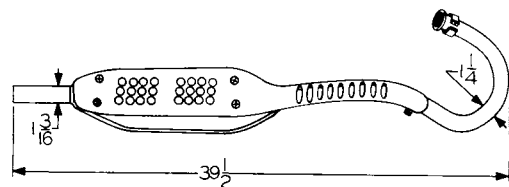
HONDA-KRIZMAN



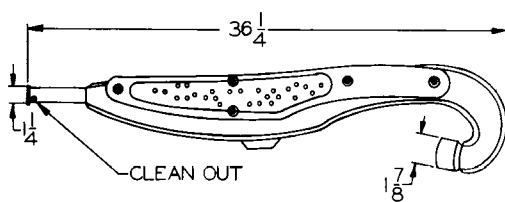
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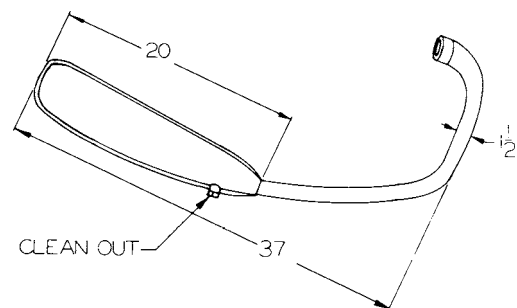
300



301



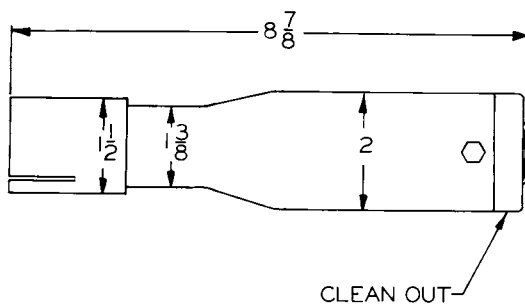
303



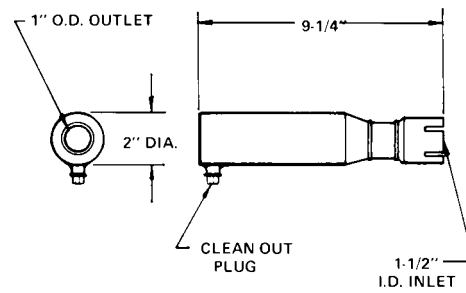
304

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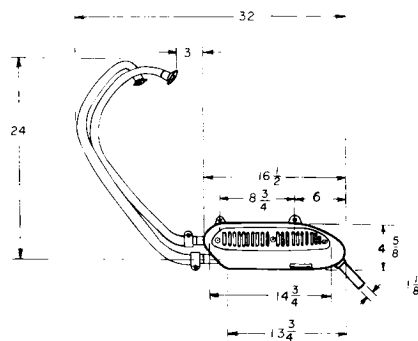
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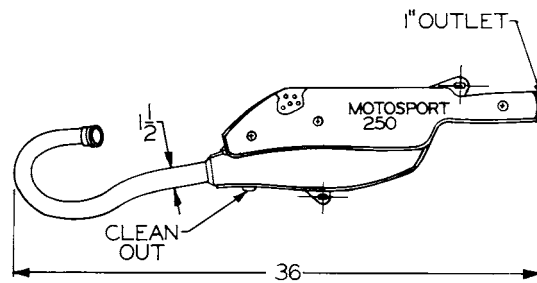
305



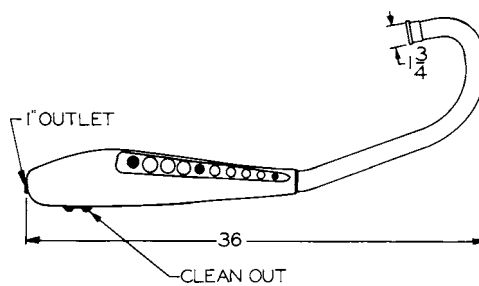
306



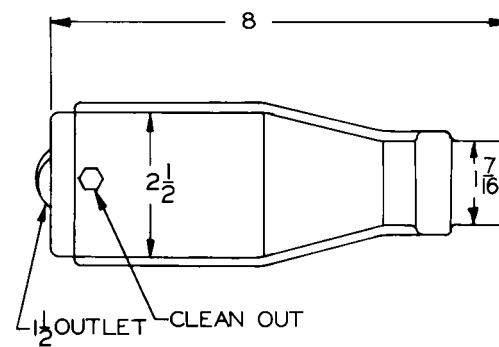
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401



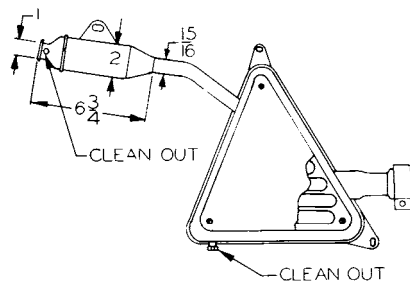
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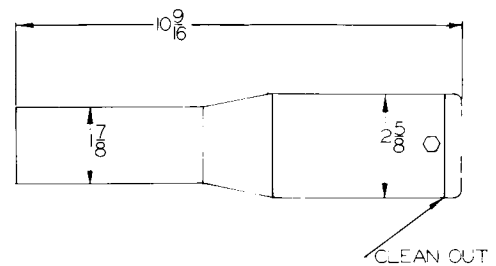
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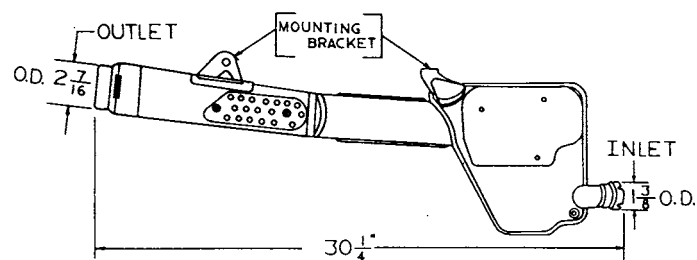
HONDA-KRIZMAN



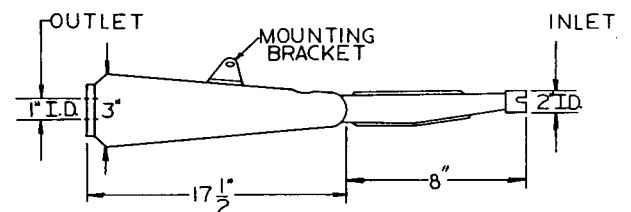
406



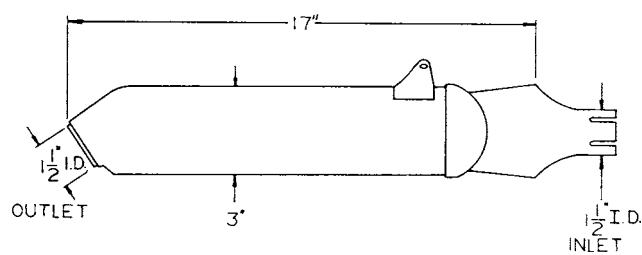
407



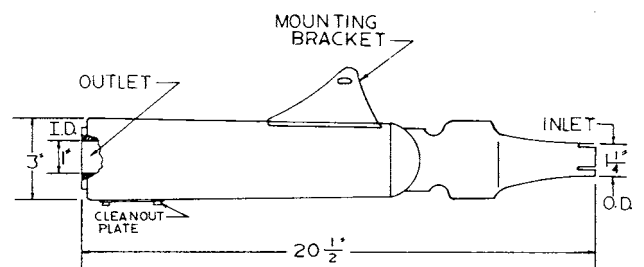
409



409A



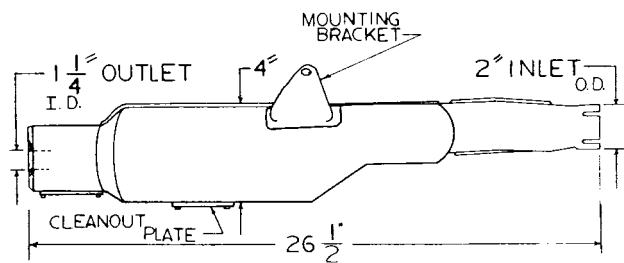
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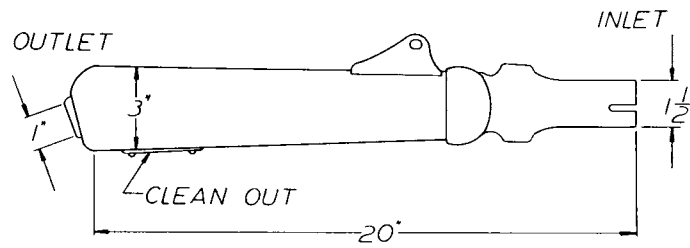
411

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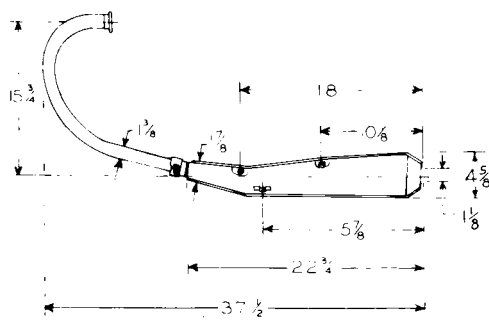
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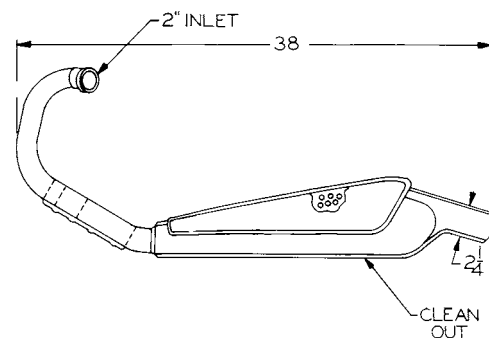
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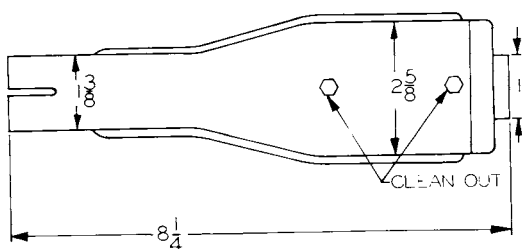
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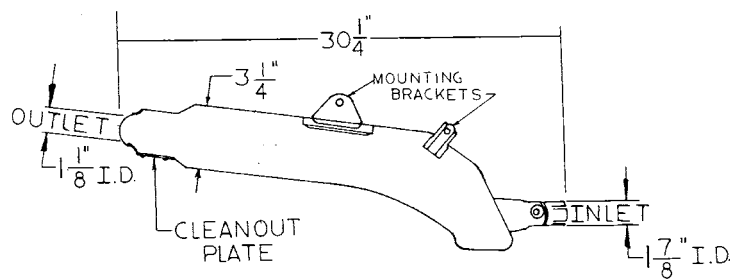
500



501



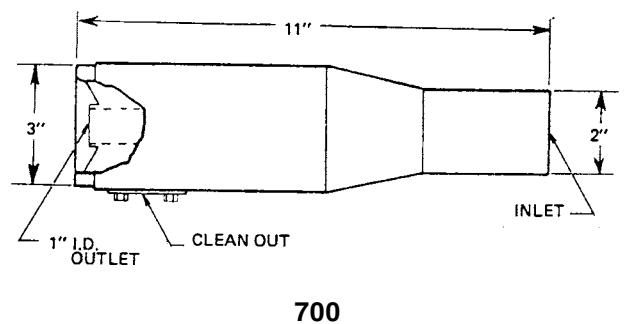
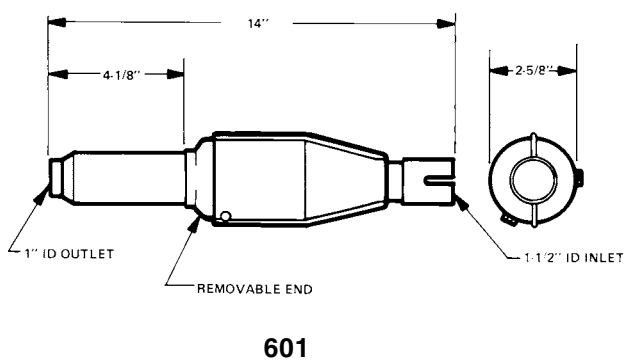
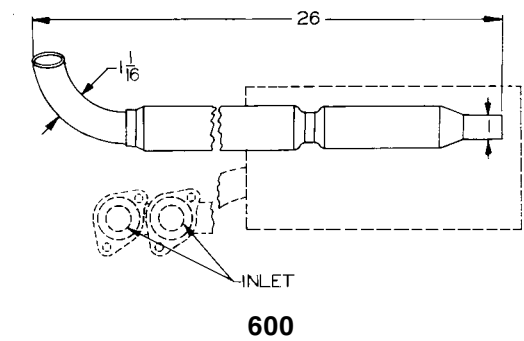
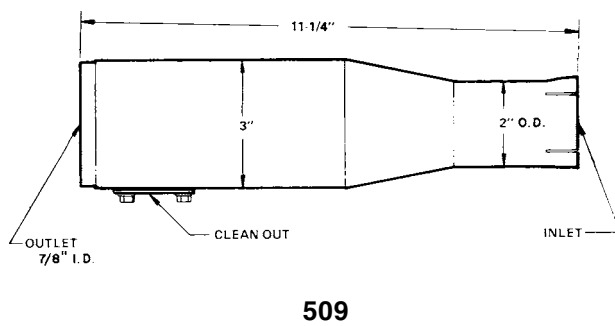
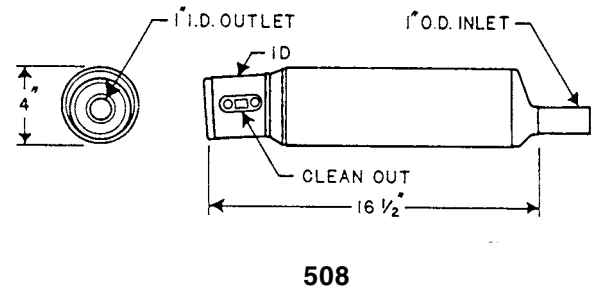
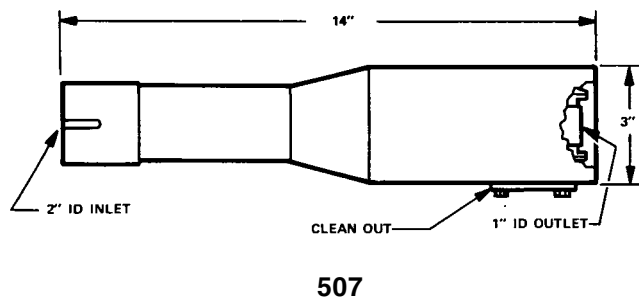
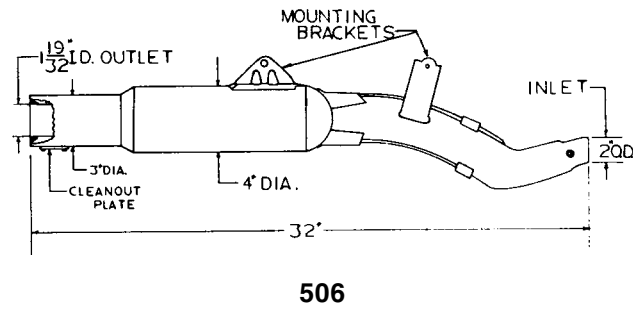
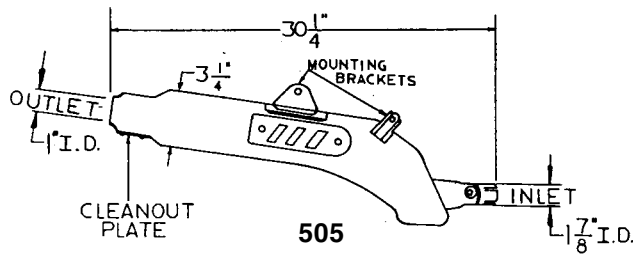
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504

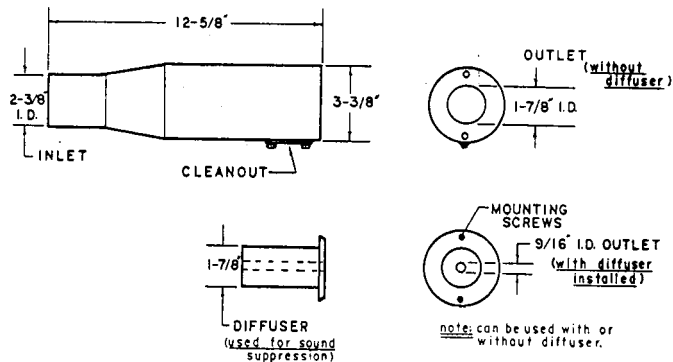
HONDA-KRIZMAN

HONDA-KRIZMAN



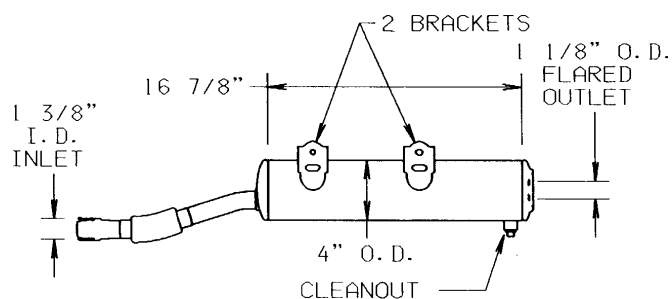
HONDA-KRIZMAN • HONDA-NELSON

HONDA-KRIZMAN

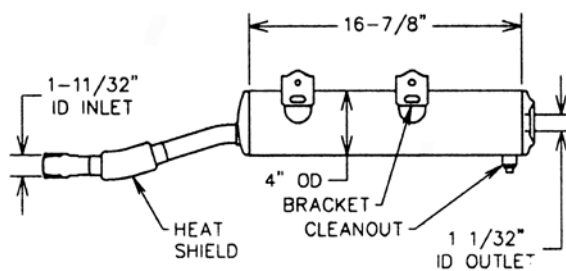


701

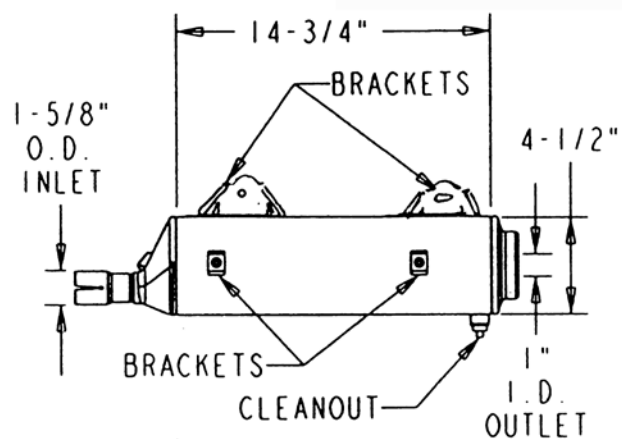
HONDA-NELSON



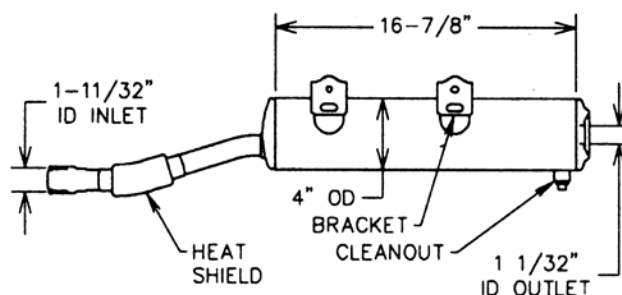
Honda-Nelson 26296



Honda-Nelson 200986



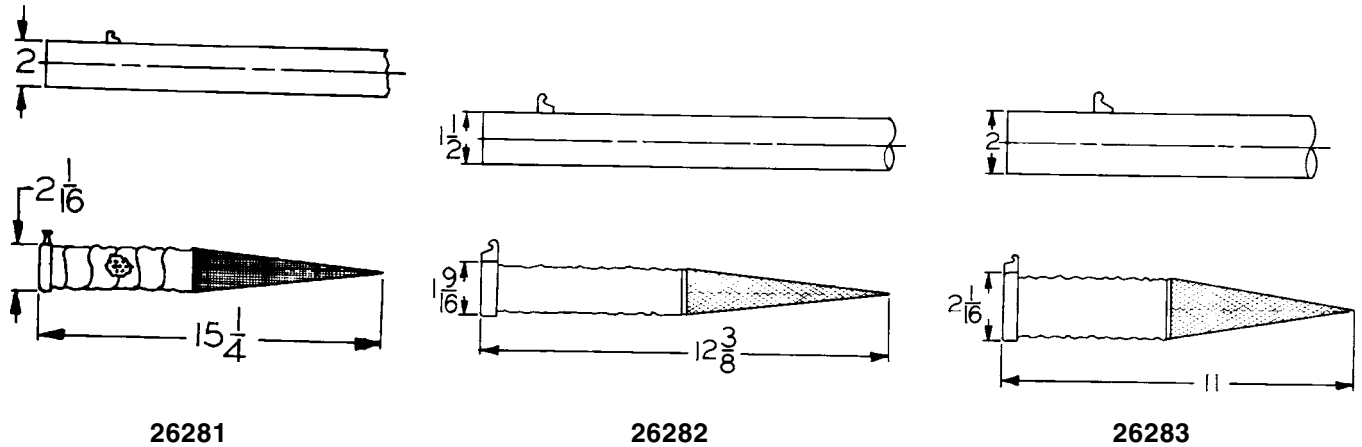
Honda-Nelson 201950



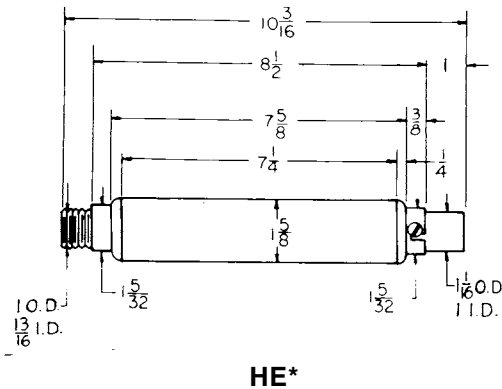
Honda-Nelson 202702

HOOKER • HORTZMAN-KRIZMAN • HUSQVARNA

HOOKER

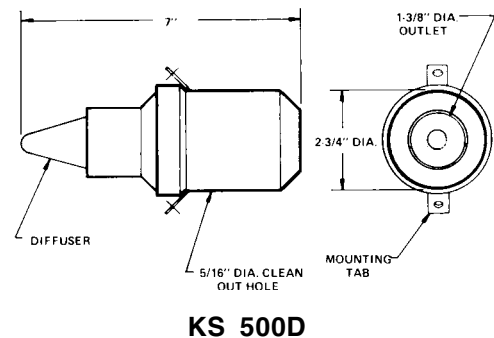
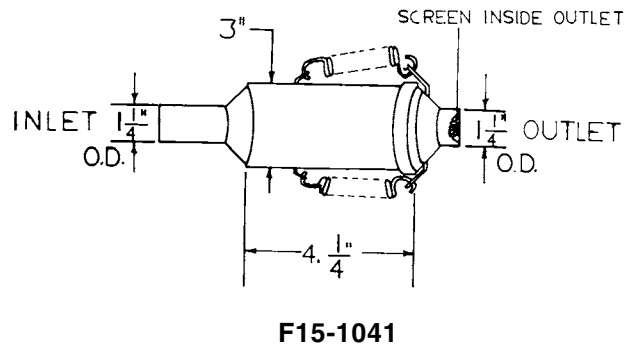


HORTZMAN-KRIZMAN



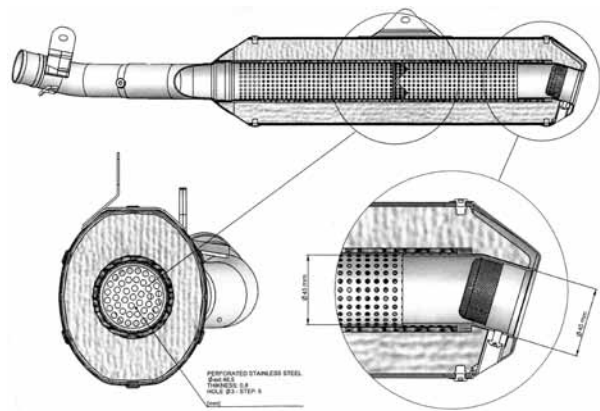
* Type A thru E provide various inlet dimensions and shapes.

HUSQVARNA



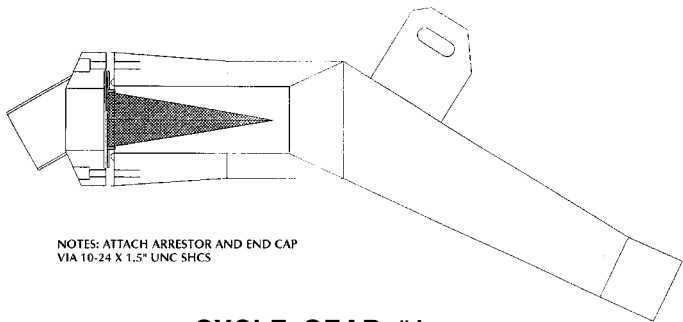
HUSQVARNA • HUTCHINS FREFLO • IHC • IMS

HUSQVARNA



SGI H6697

HUTCHINS FREFLO



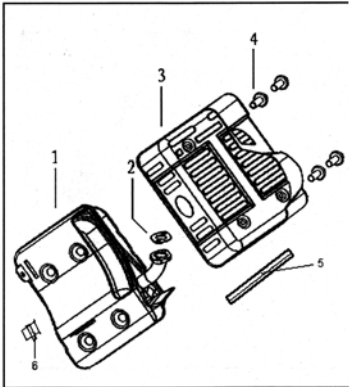
CYCLE GEAR #1

IHC

FOR IHC	70769C1	SEE NELSON	T-12818
FOR IHC	829640C91	SEE NELSON	T-13994
FOR IHC	561217C92	SEE NELSON	T-13651
FOR IHC	677817R91	SEE NELSON	T-10374
FOR IHC	563507C91	SEE NELSON	T-14005
FOR IHC	829176C91	SEE NELSON	T-14009

INTERNATIONAL MERCHANDISING SERVICE (IMS)

N O	PART NO.	DESCRIPTION	QTY
1	QJ2500.06.01	Muffler Jointing Comp	1
2	QJ2600.13-02	Gasket, Flange	1
3	QJ2600.13-03	Muffler Guard Shield	1
4	GB5781-86	Bolt	4
5	QJ2600.13-06	Muffler Rubber Strip	2
6	QJ2600.13-05	Muffler Fireproof Cap	1

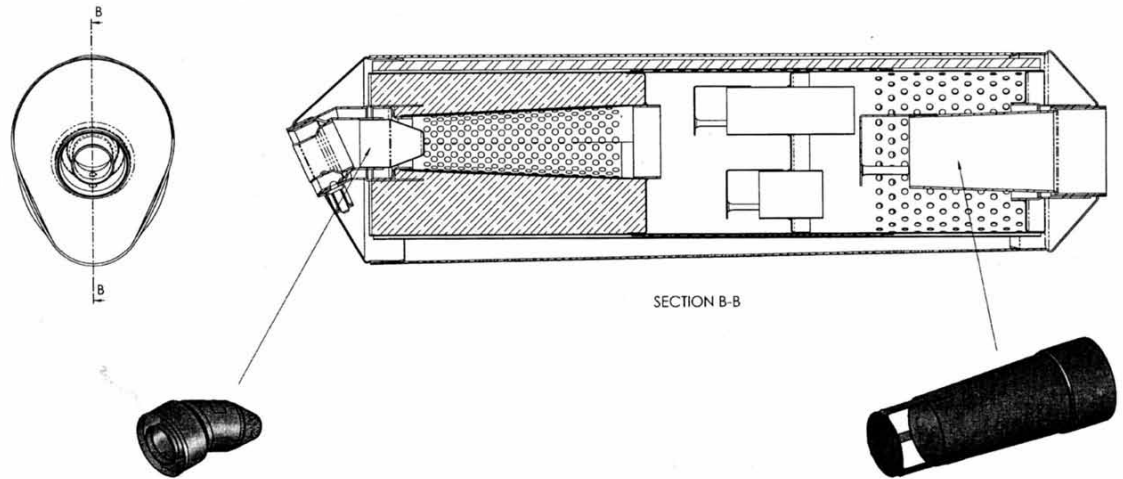


NO CLEAN-OUT PLUG

INTERNATIONAL MERCHANDISING SERVICE (IMS) GG

JAMA ENGINEERING • J & R KRIZMAN

JAMA ENGINEERING



LOCATION SPARK ARRESTER:

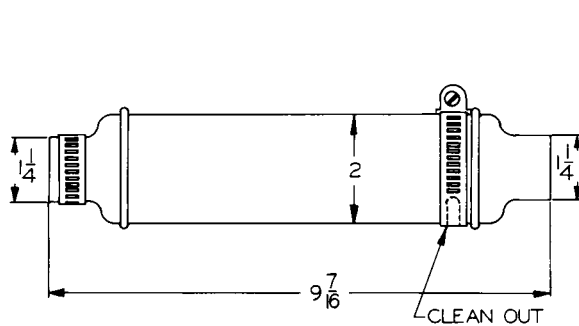
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LOCATION FRONT INSERT:

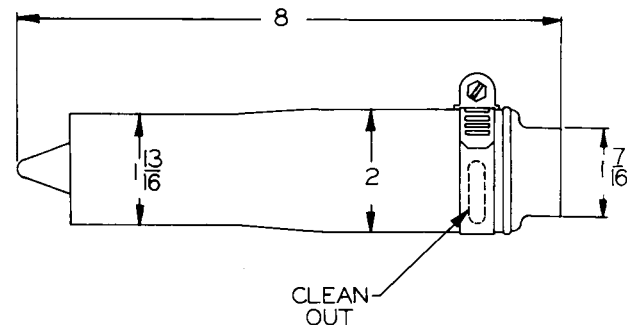
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32.2725
32.2726

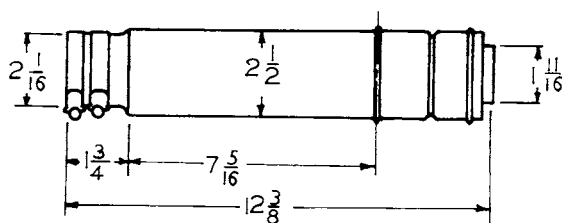
J & R KRIZMAN



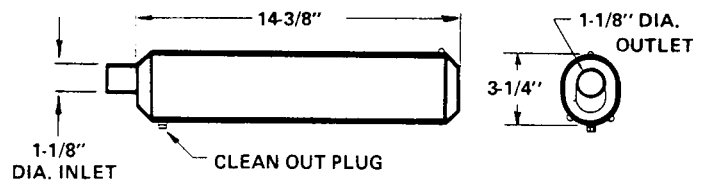
KS 350



KS 500 A&C



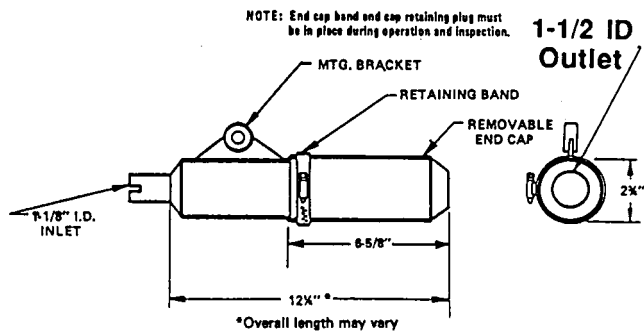
KS 650



KS 650-O

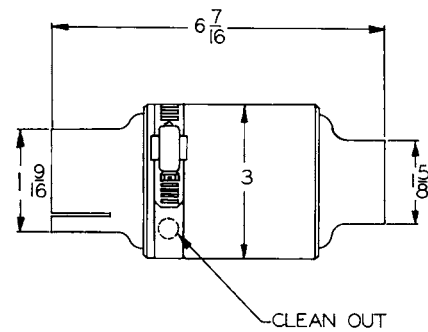
J & R KRIZMAN • J.G. MINTER & SONS

J & R KRIZMAN

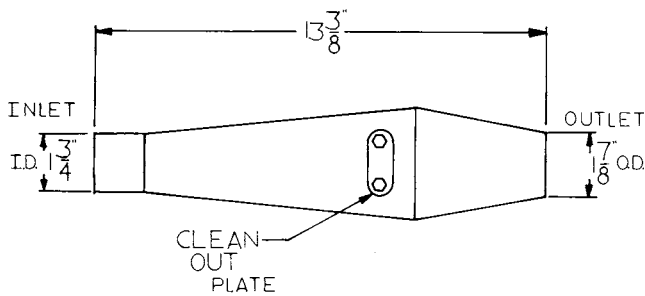


KS 650-A

KS 650-C—KS 650-A in oval muffler

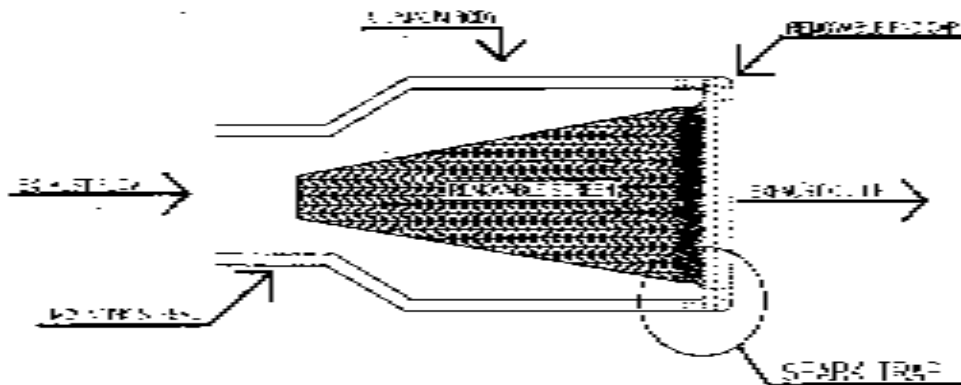


KS 650V



KS 800

J.G. MINTER & SONS



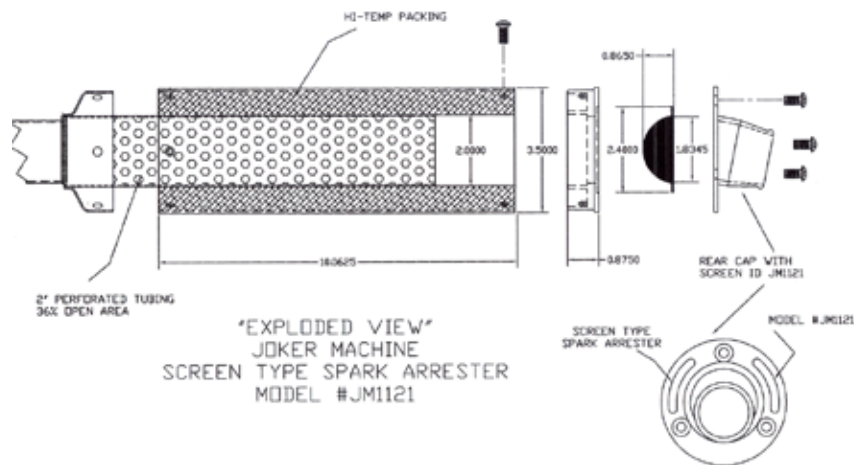
JGM2000

JOHN DEERE • JOKER MACHINE • KAWASAKI

JOHN DEERE

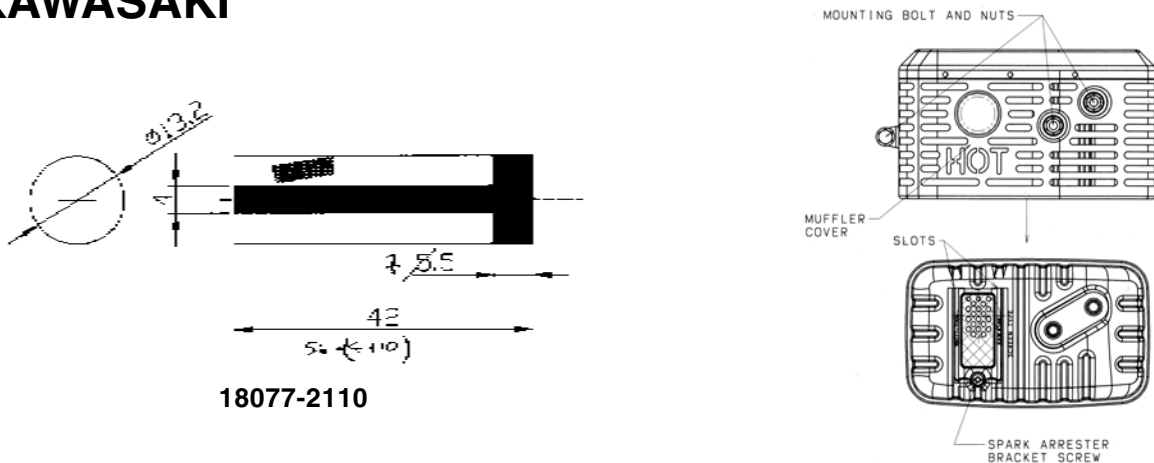
FOR	JOHN DEERE	AH-75693	SEE	NELSON	T-10213
FOR	JOHN DEERE	AH-75694	SEE	NELSON	T-10214
FOR	JOHN DEERE	AH-75695	SEE	NELSON	T-10215
FOR	JOHN DEERE	AH-80388	SEE	NELSON	T-11145
FOR	JOHN DEERE	AH-84965	SEE	NELSON	T-12499
FOR	JOHN DEERE	AH-87289	SEE	NELSON	T-11927
FOR	JOHN DEERE	AT-32701	SEE	NELSON	T-10968
FOR	JOHN DEERE	AT-33686	SEE	NELSON	T-9605

JOKER MACHINE



JM 1121

KAWASAKI

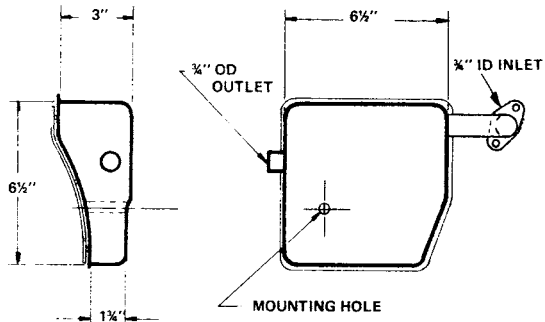


18077-2110

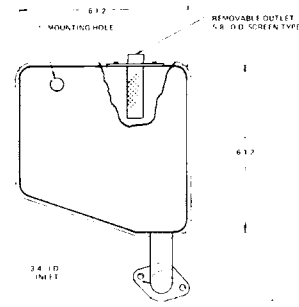
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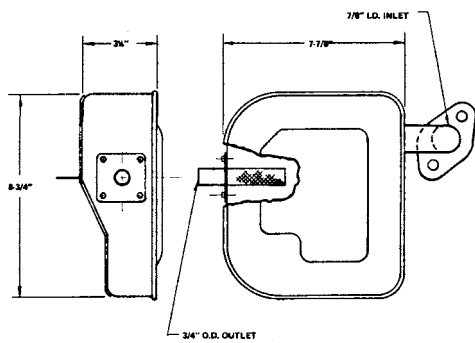
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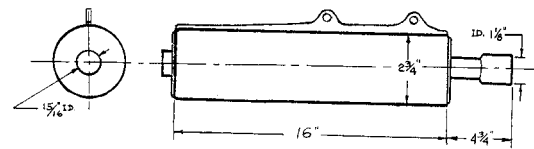
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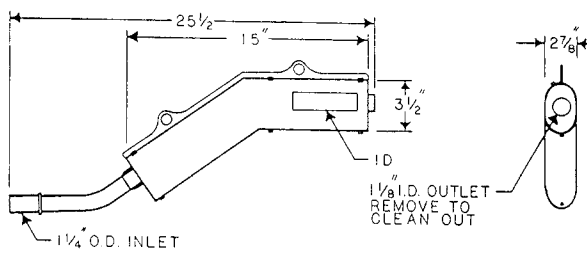
3951•2A



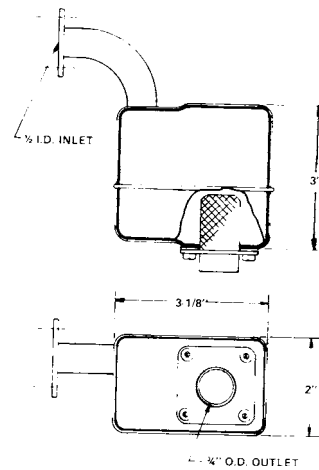
3964•5•6



DX 200



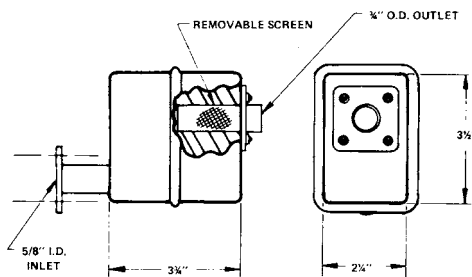
DX 250D



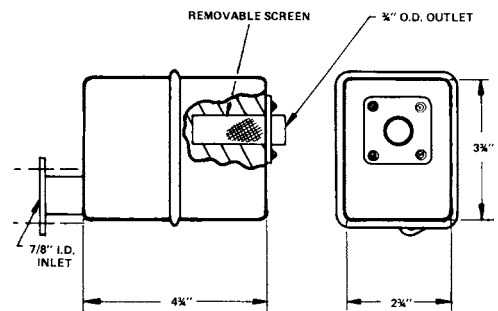
FA76D

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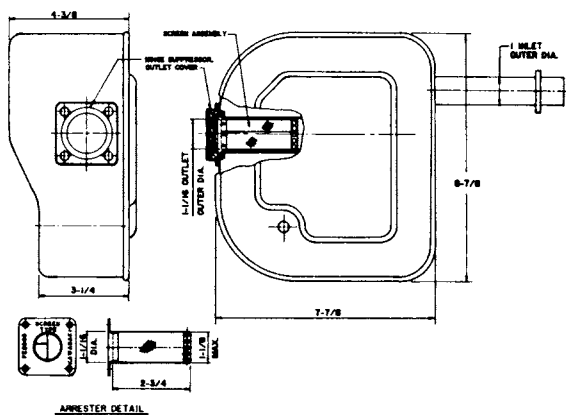
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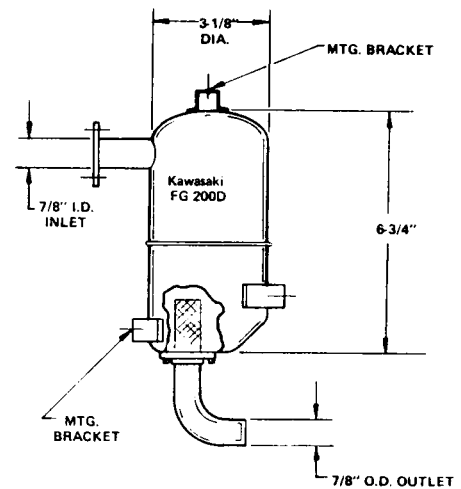
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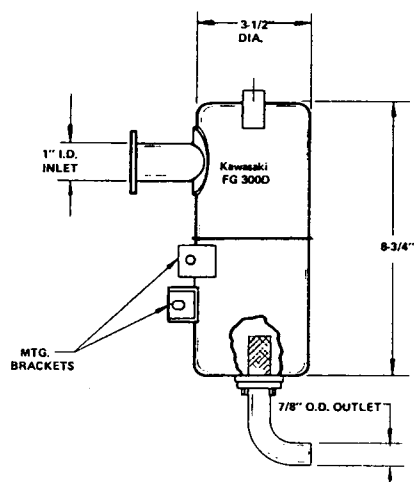
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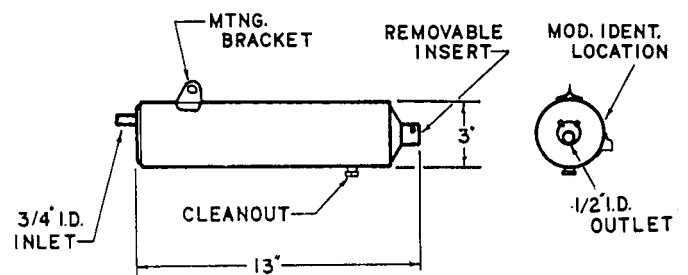
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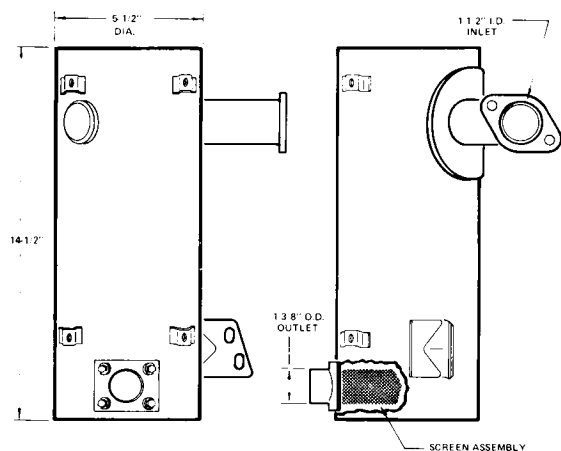
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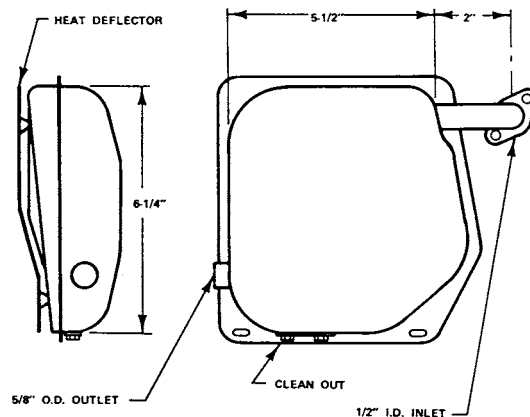
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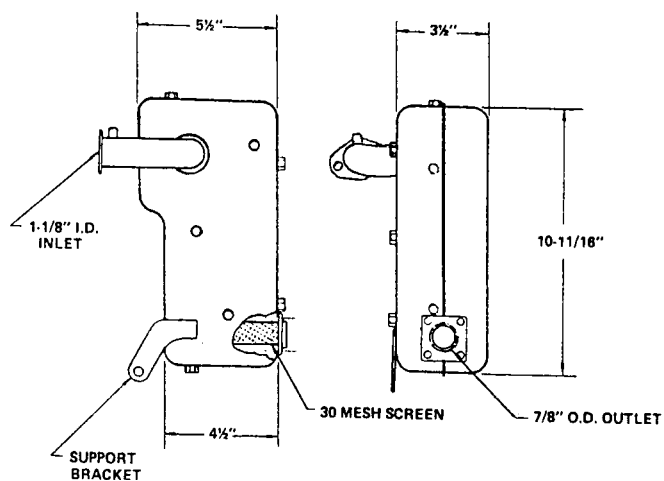
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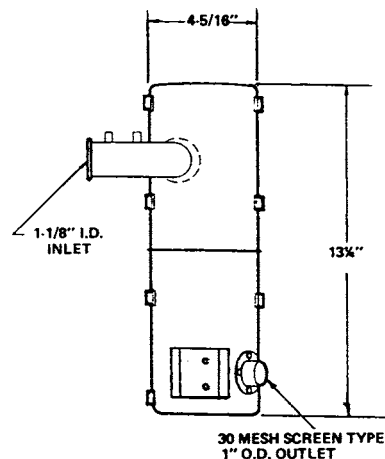
KF-150



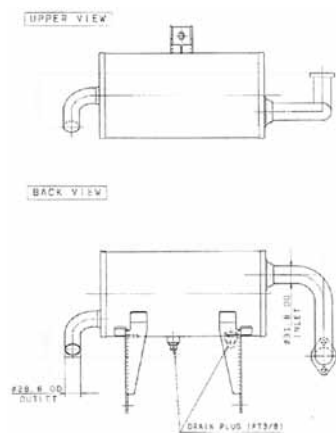
KG-550



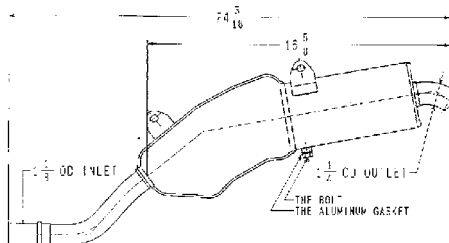
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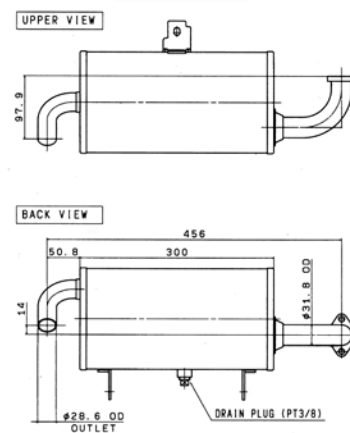
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KHI AF400-255-1



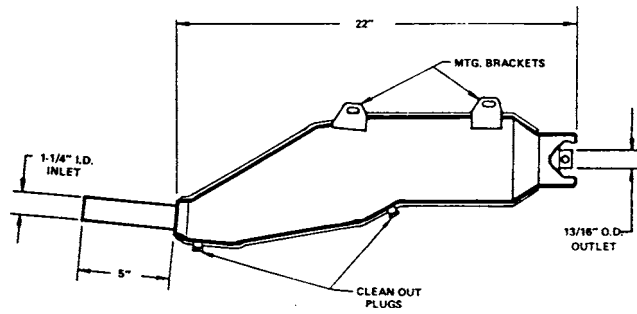
KHI DX200H



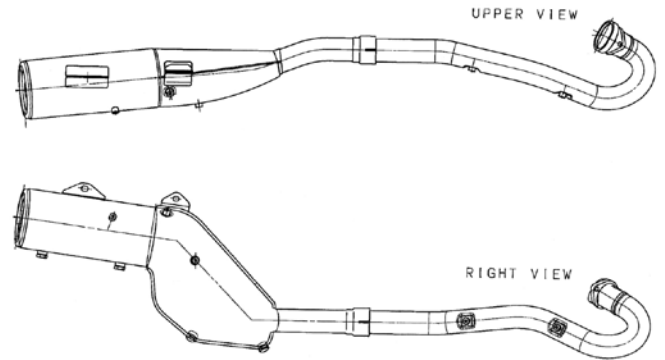
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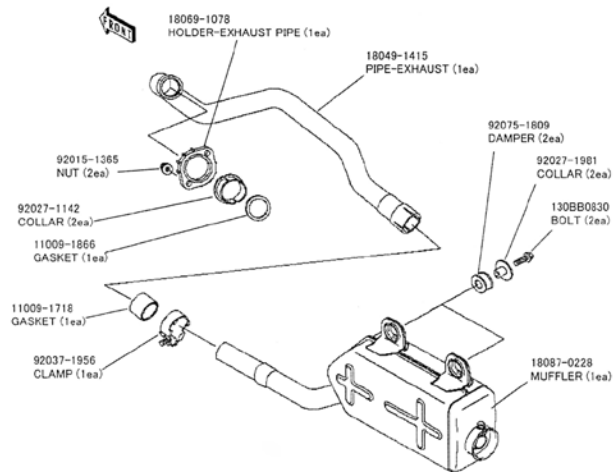
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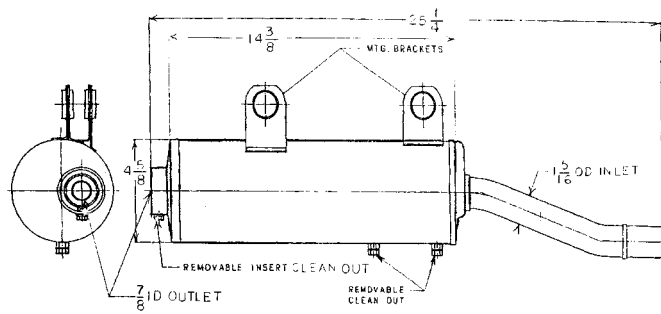
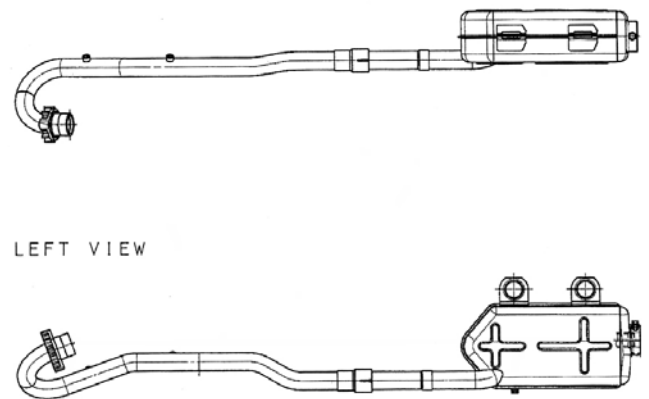
KHI KL250



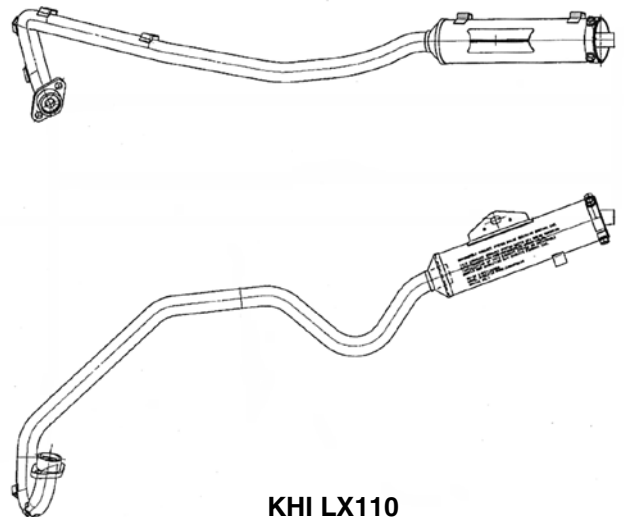
KHI KL650E



KHI LF250



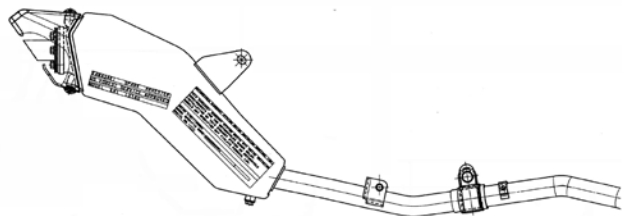
KHI LF 400



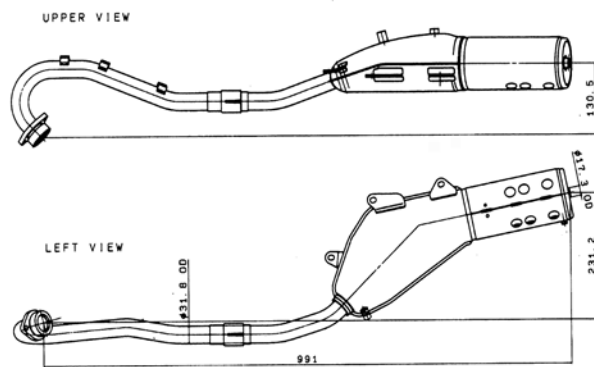
KHI LX110

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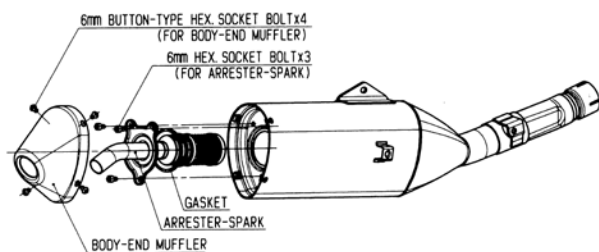
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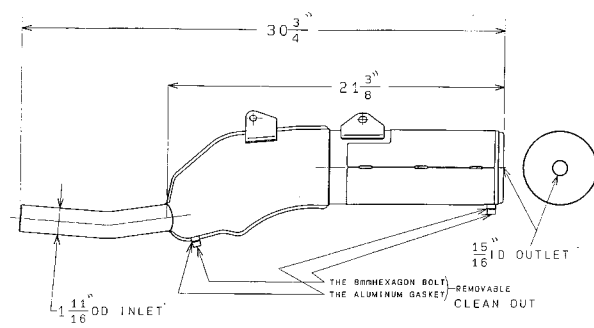
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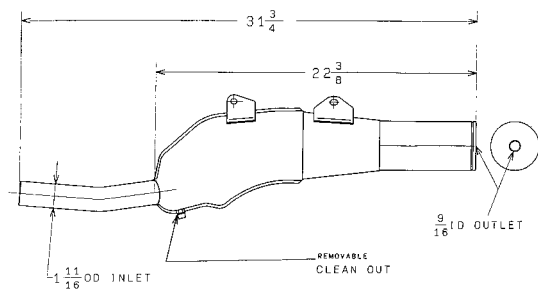
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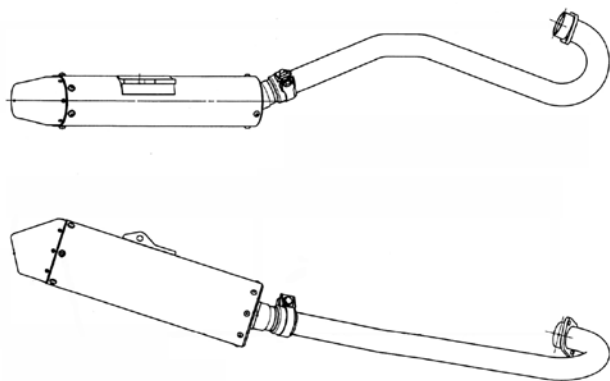
KHI LX450A



KHI LX 650C



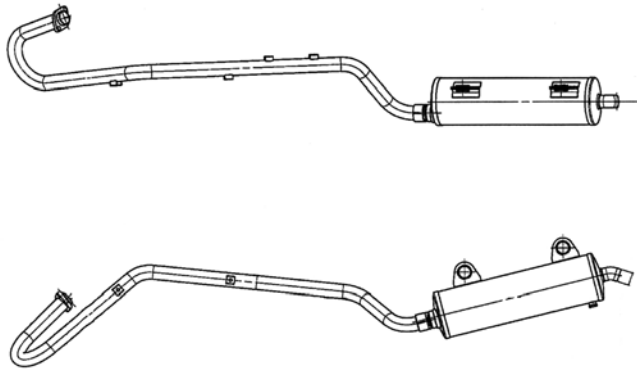
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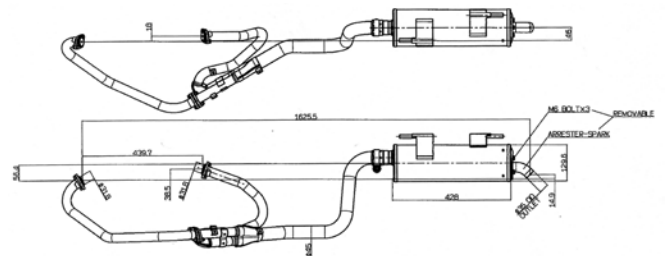
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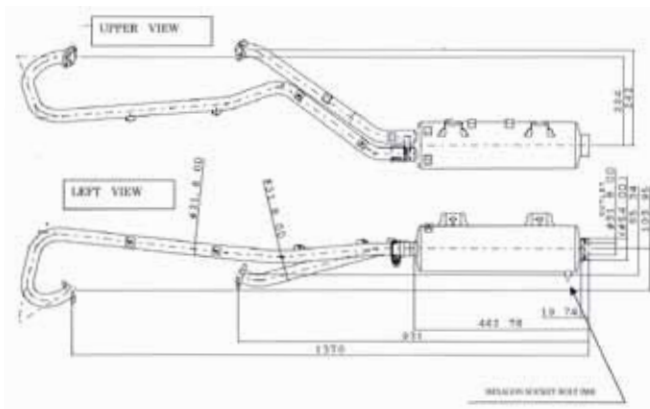
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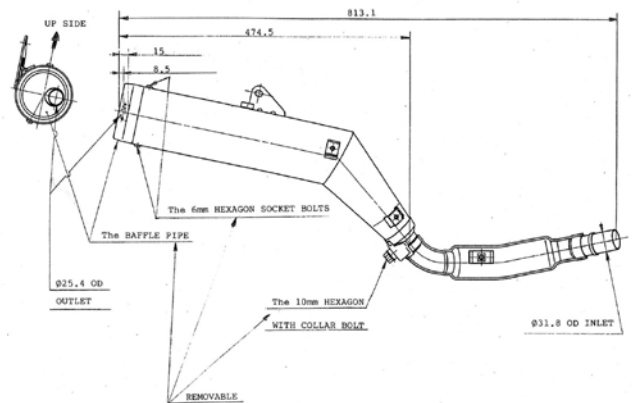
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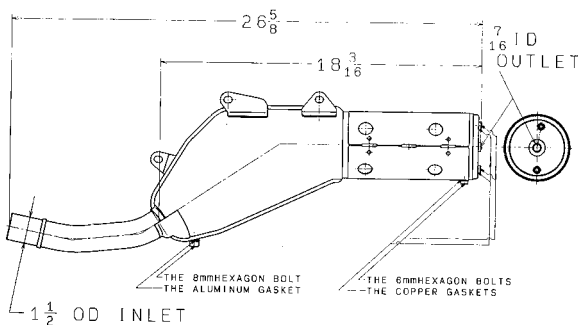
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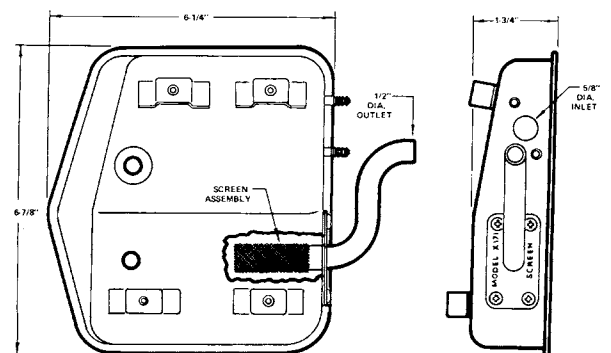
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KL 250G



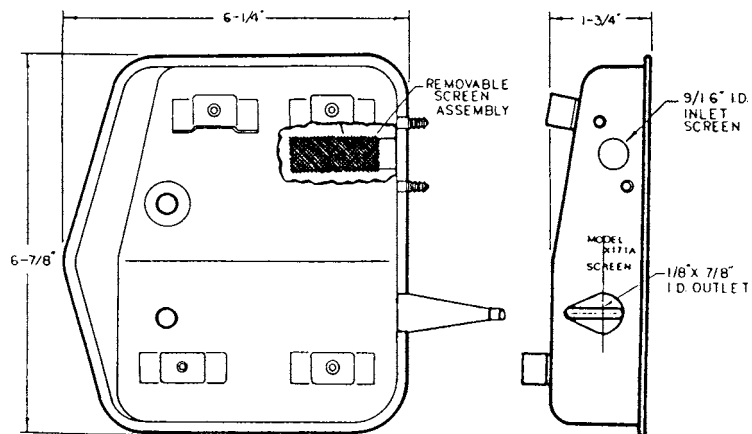
KLX 250D



X171

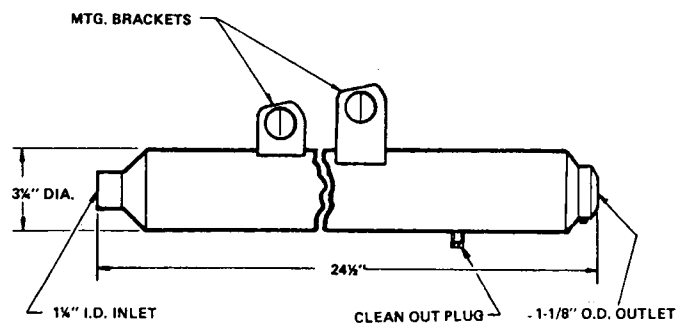
KAWASAKI • KAWKAWASAKI-KRIZMAN

KAWASAKI

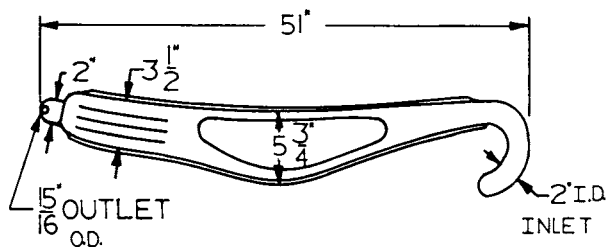


X171A

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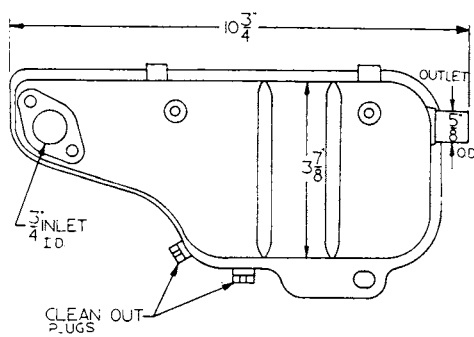
DX-250



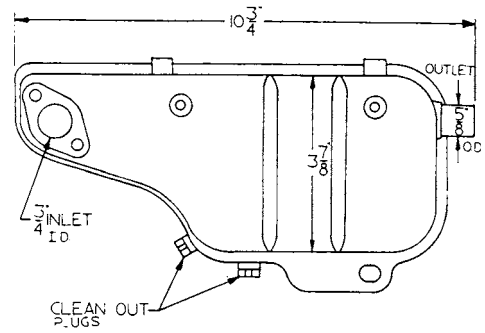
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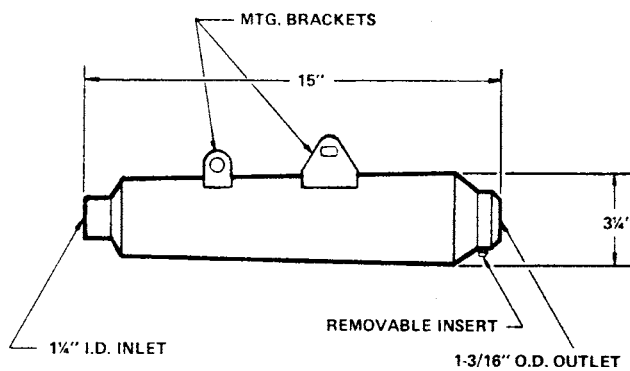
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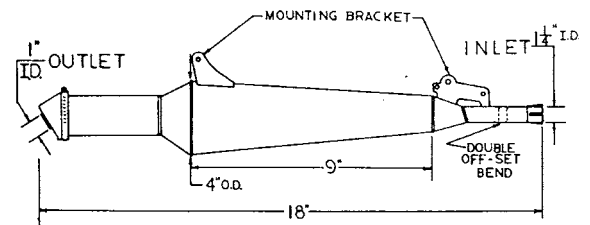
KG-250



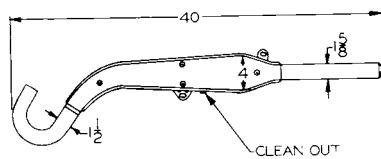
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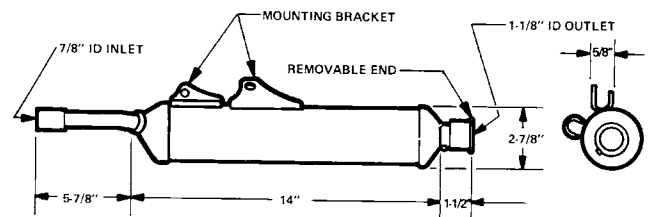
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KHI-KE250B



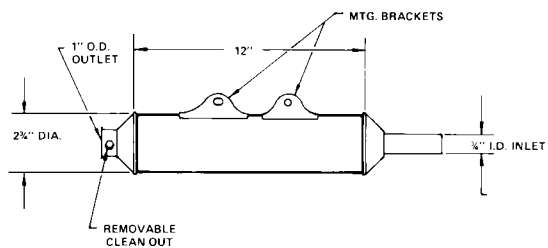
KS-250



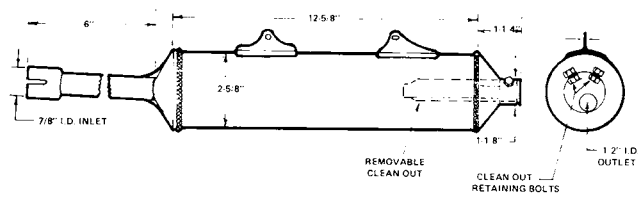
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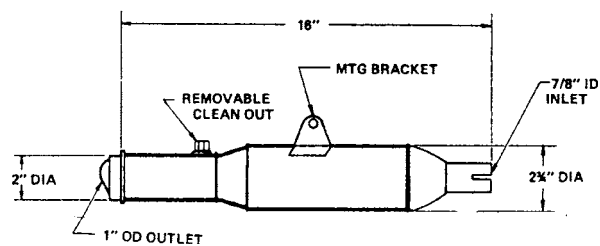
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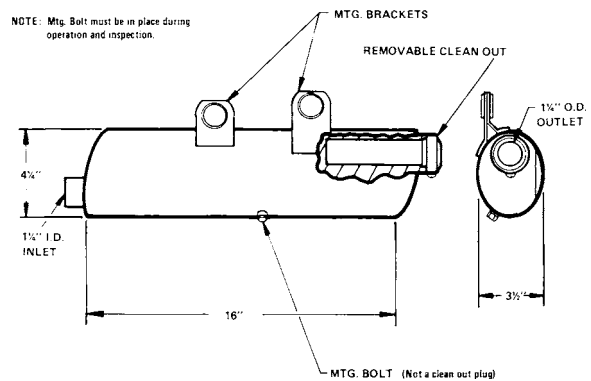
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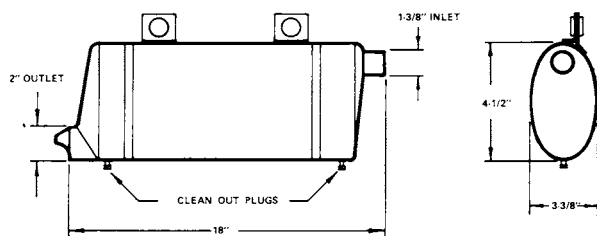
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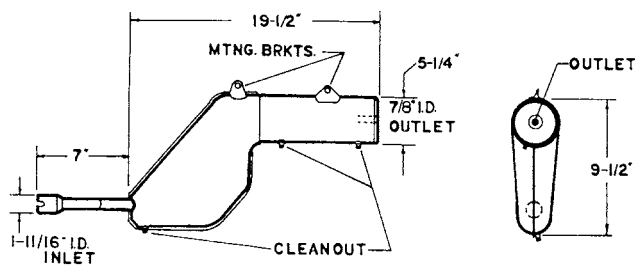
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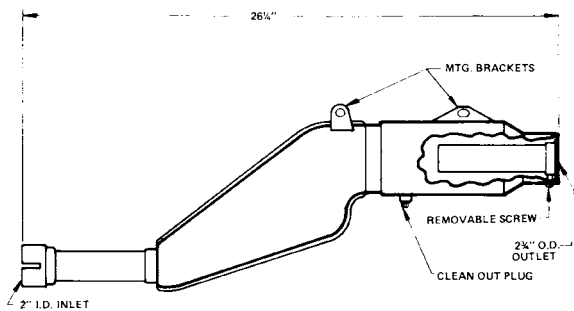
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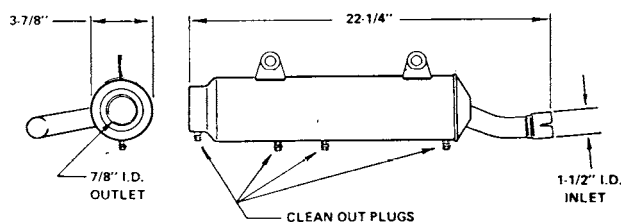
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KS-500 KHI KL65



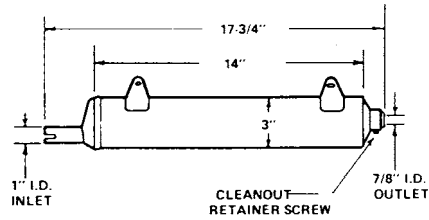
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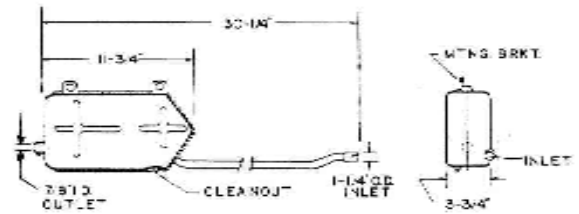
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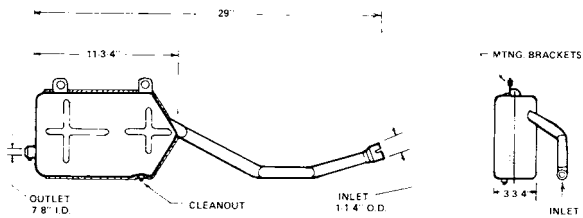
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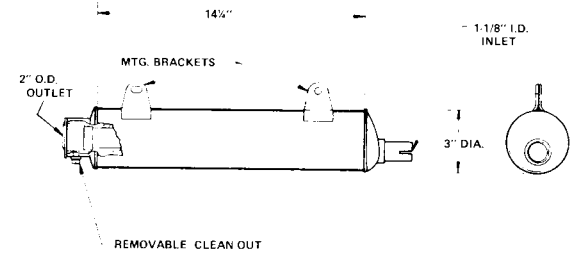
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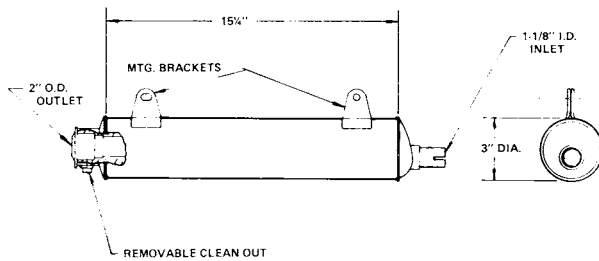
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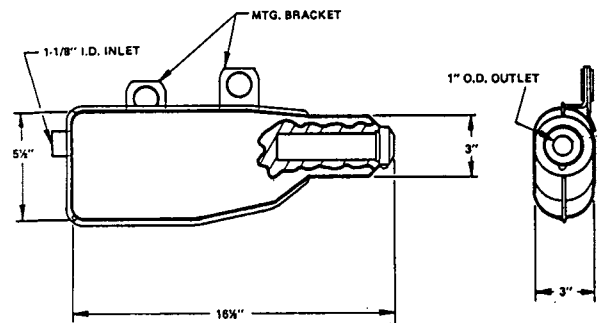
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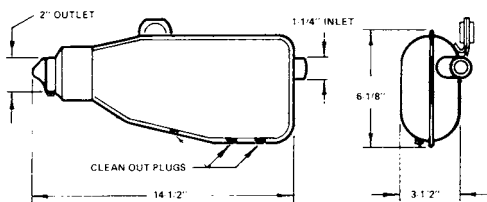
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KS-500 KHI LT160**



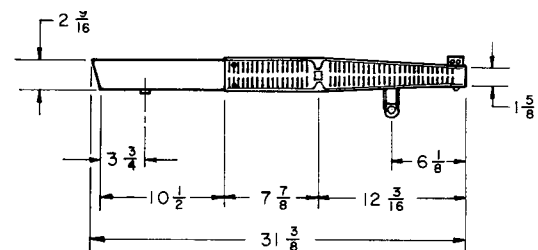
KS-500 KHI LT 250A



KS-500 KHI XT250



KS-500 KHI XT250B2



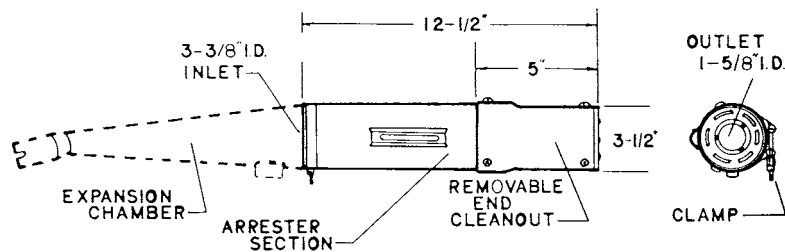
YS-80

KEEN PERCEPTIONS • KERKER-KRIZMAN • KITTEL

KEEN PERCEPTIONS

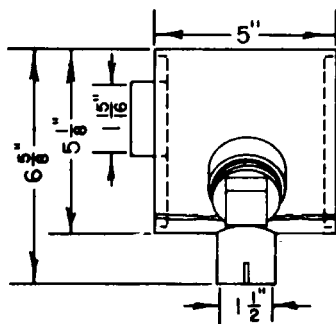
No diagrams available:
Refer to General Purpose Qualification Table at end of section for rating.

KERKER-KRIZMAN

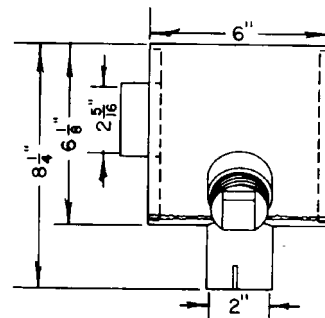


KS-650K

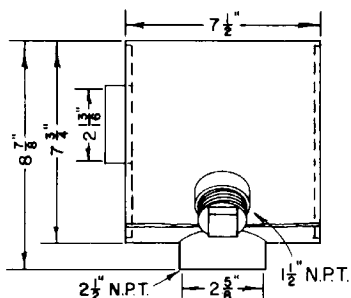
KITTEL



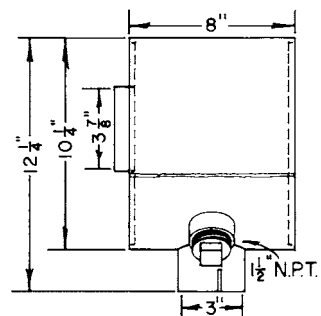
S-1 1/2A



S-2A



S-2 1/2A

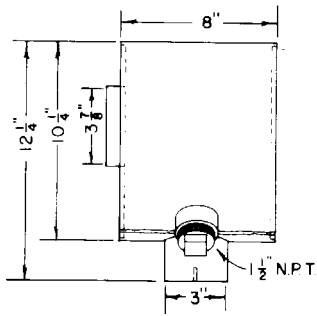


ALSO AVAILABLE WITH
3\"/>

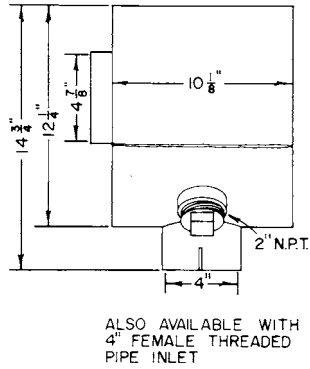
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KITTEL

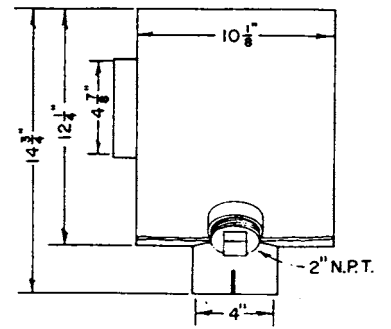
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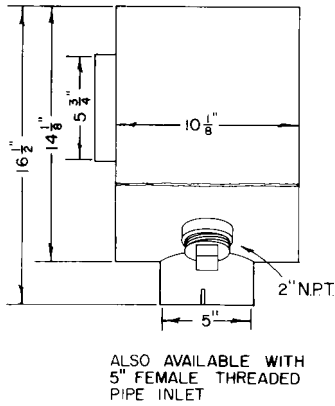
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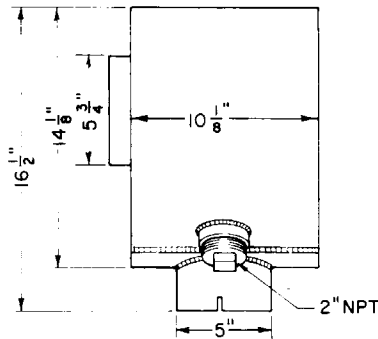
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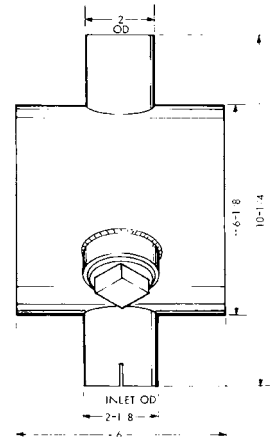
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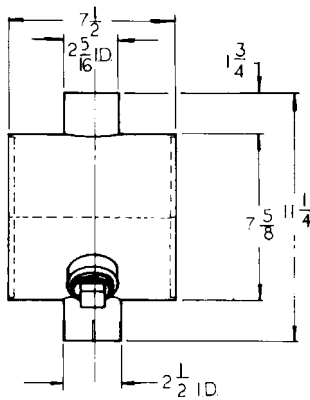
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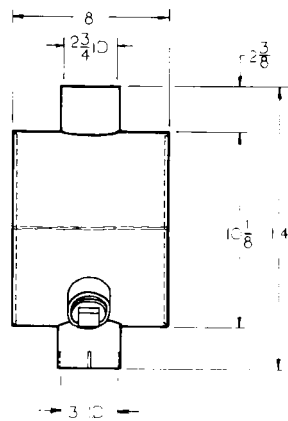
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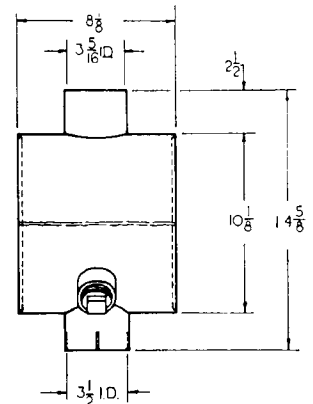
S-T-2



S-T-2-1•2



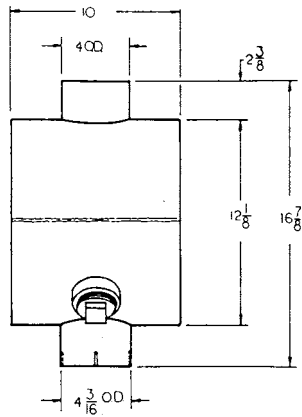
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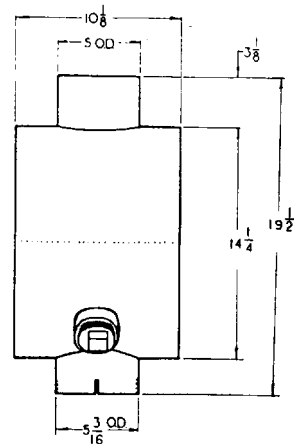
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KITTEL • KOHLER

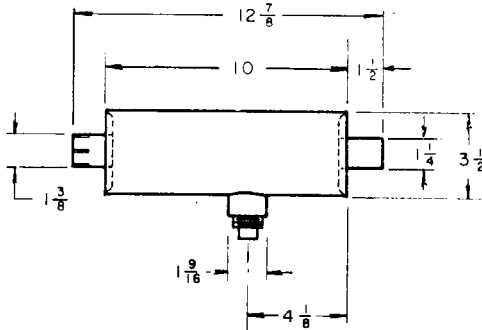
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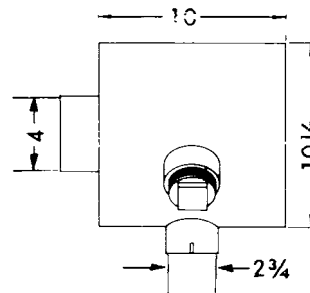
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S-T-5

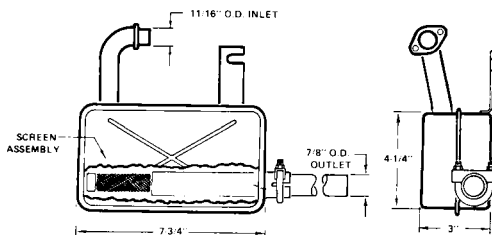


3510-SA 1-1•4

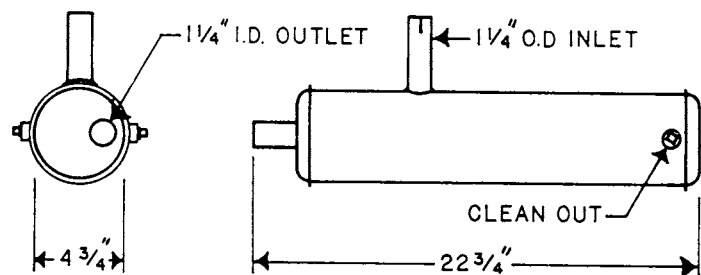


1010 HT

KOHLER



228218

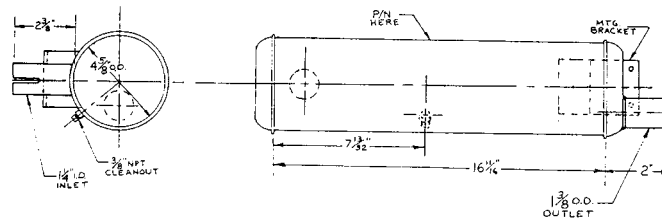


**Kohler 239724
Nelson 22755**

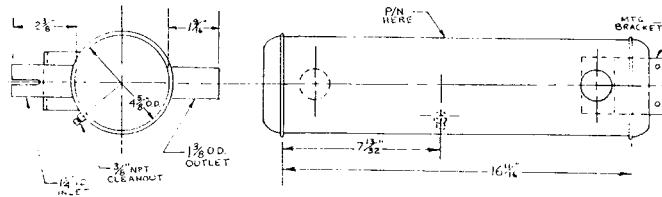
For Kohler 278402—see modified Kohler 278224 (body•arrester horizontal)
 For Kohler 278403—see modified Kohler 278224 (body•arrester horizontal)
 For Kohler 278416—see modified Kohler 278223 (body•arrester horizontal)

KOHLER

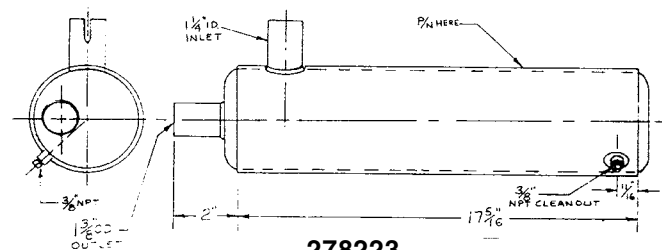
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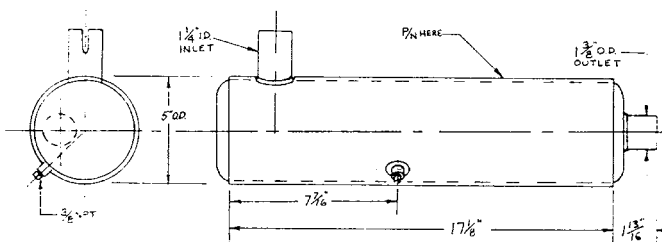
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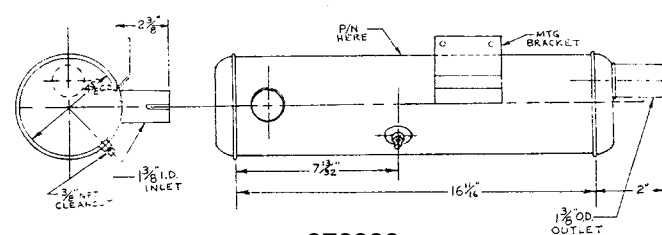
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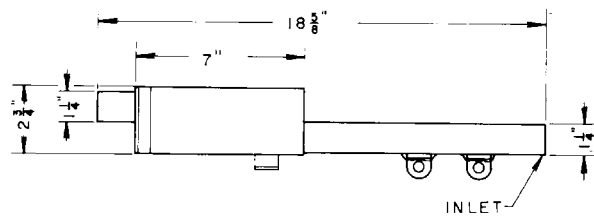


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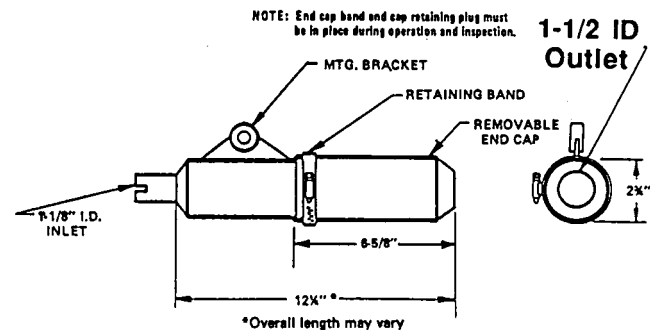
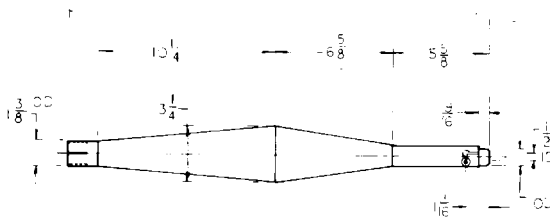


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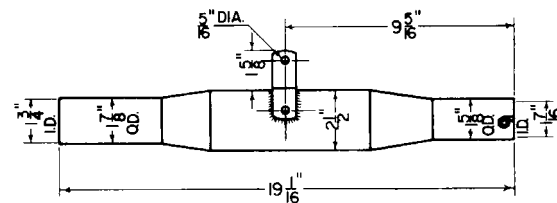
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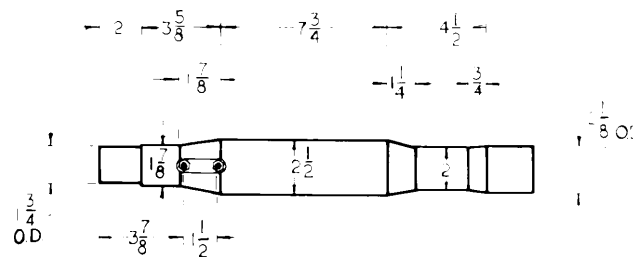
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**KS 650A**

T-H100
T-H100M

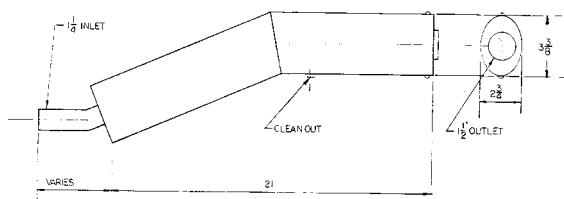


V-H1

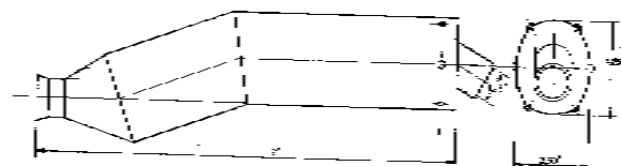


V-H11

KTM



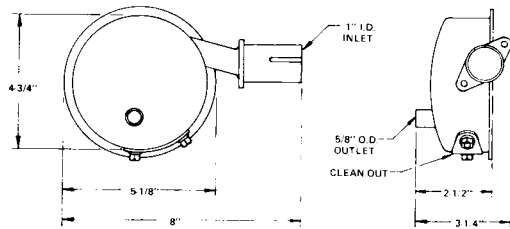
KTM K-300



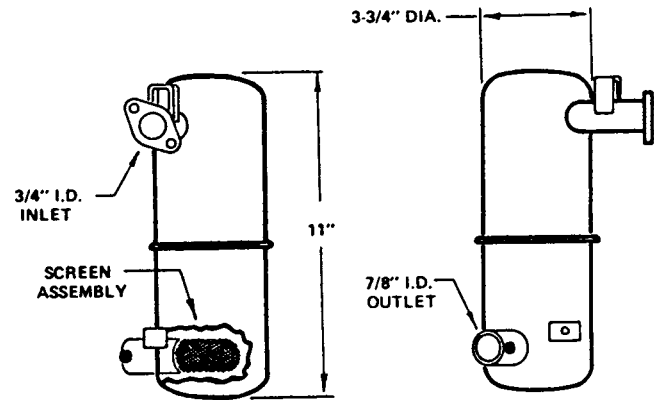
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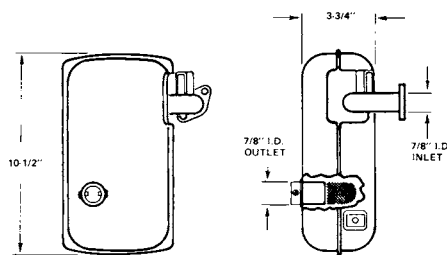
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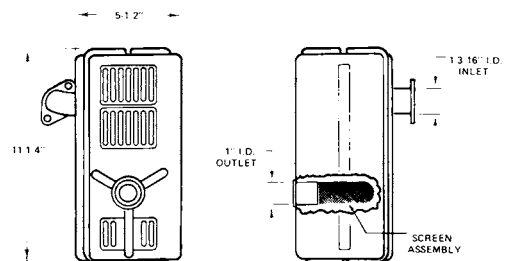
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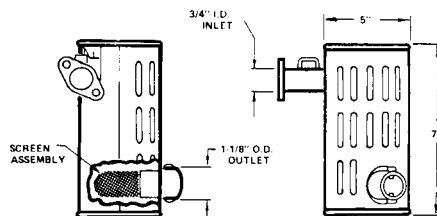
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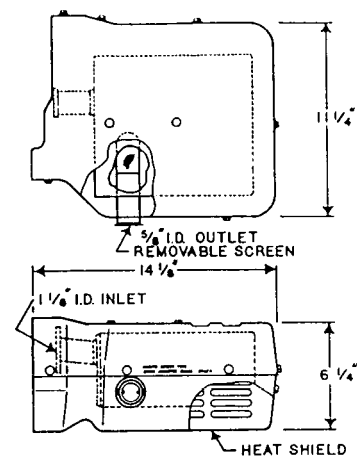
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8504C



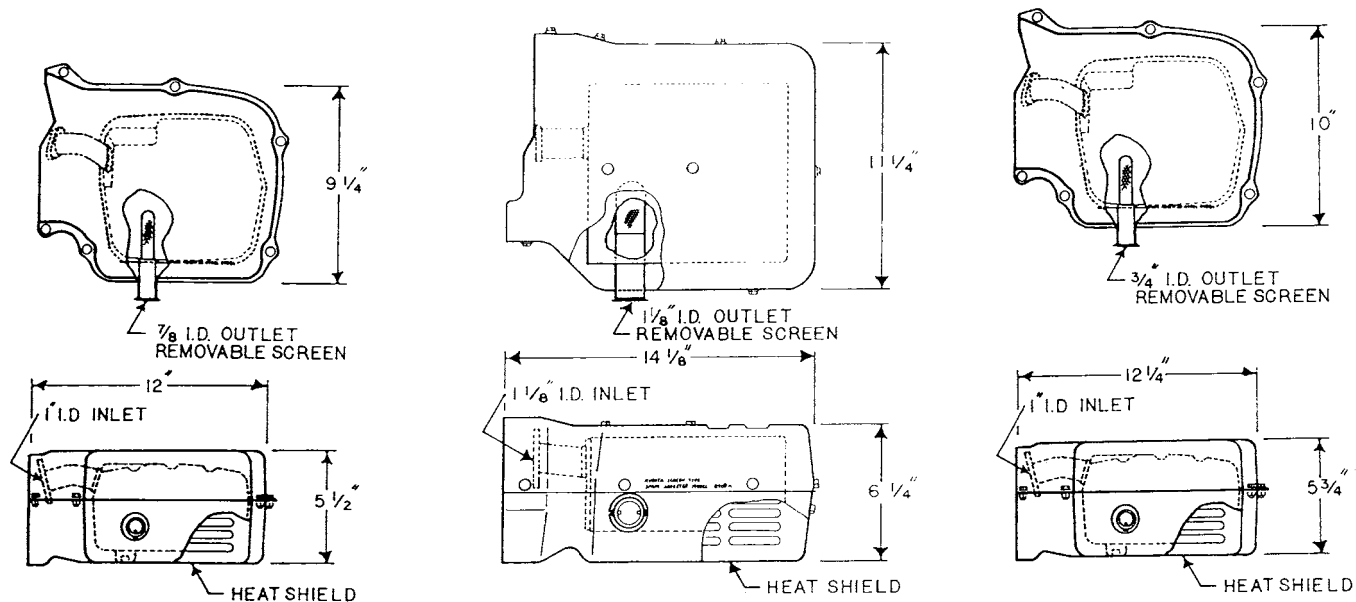
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8906A

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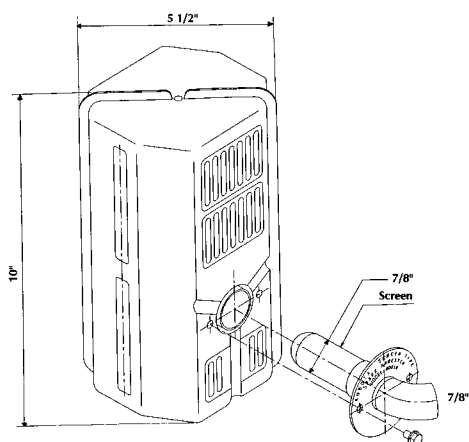
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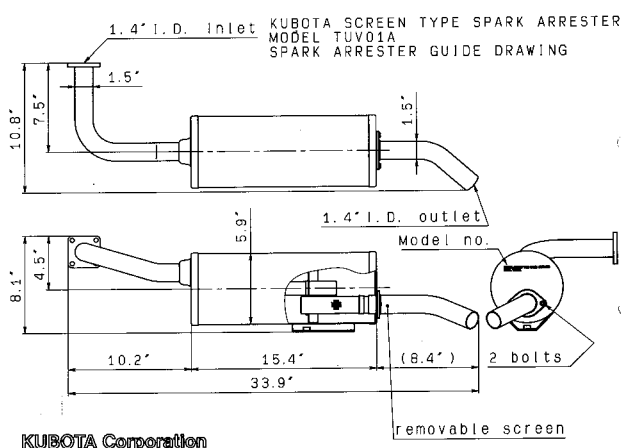
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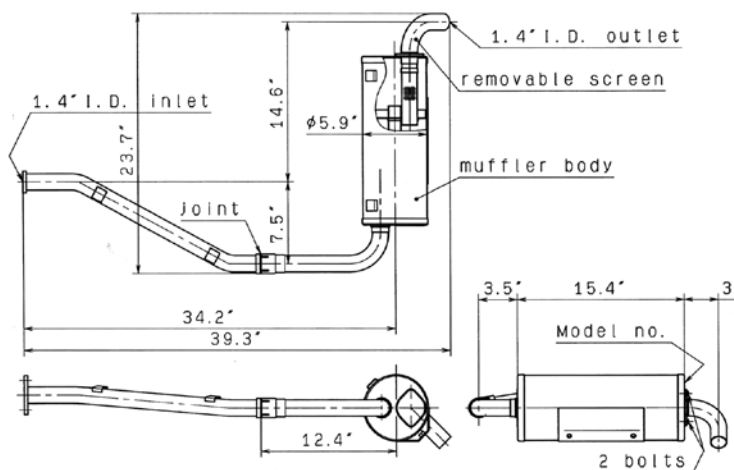
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9001B



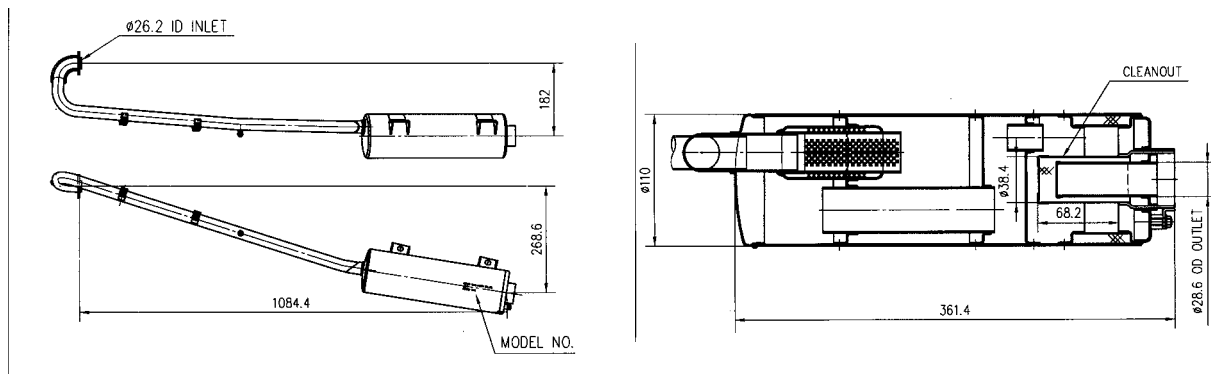
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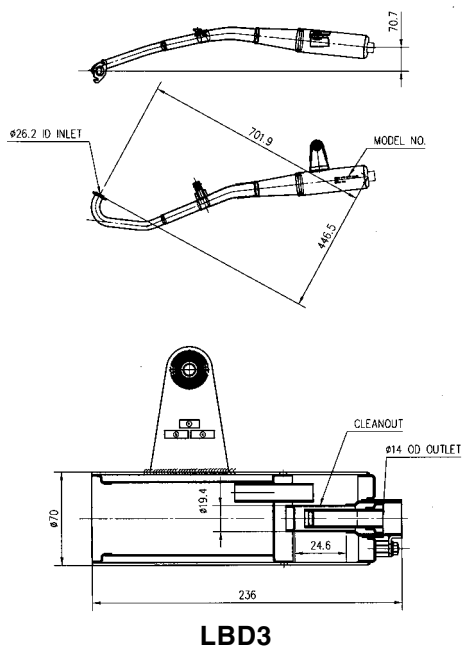
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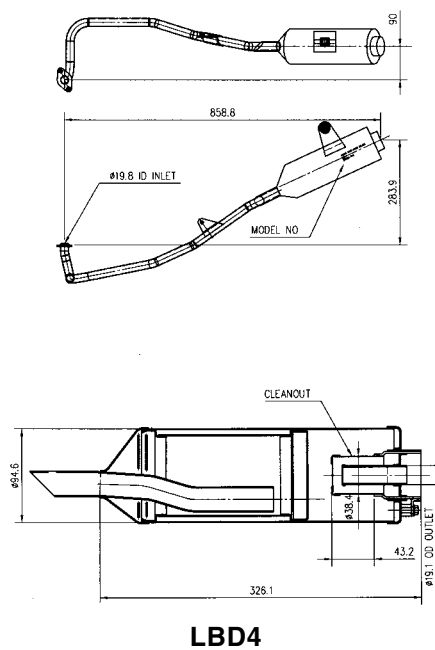
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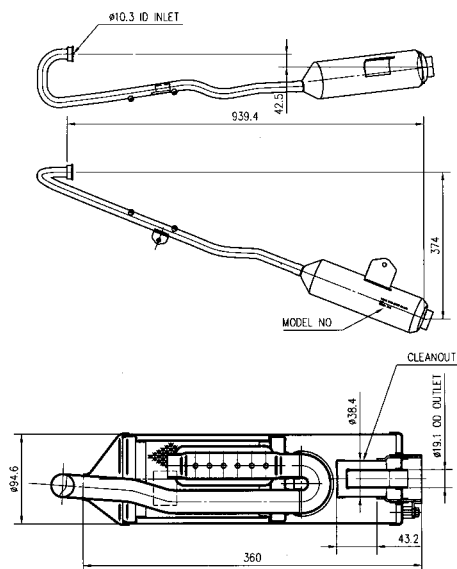
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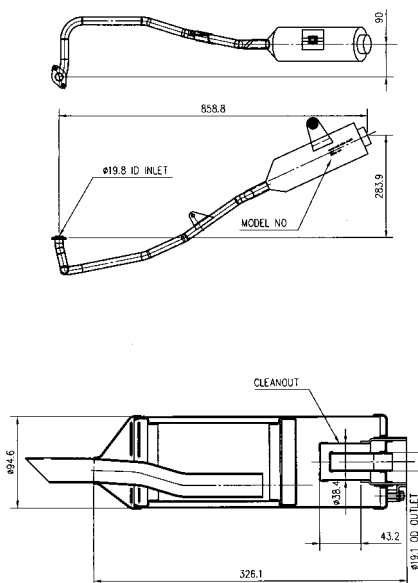
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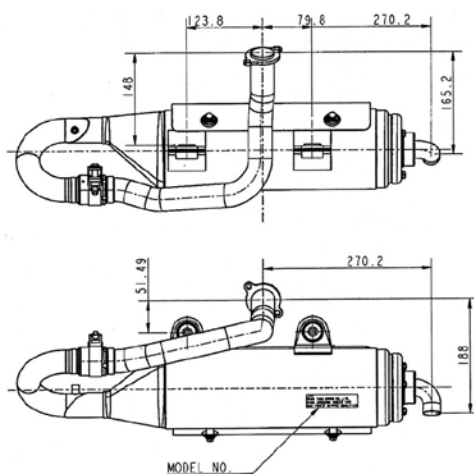
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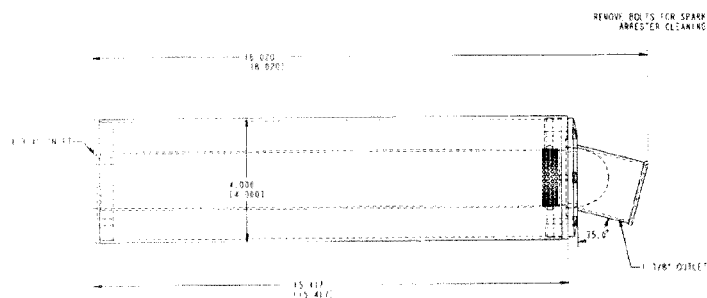
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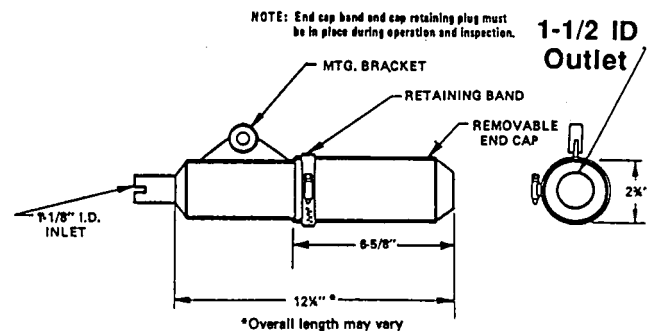
LEE8



LRDpro4Series

MAGNUM-KRIZMAN • MAGNUM RACING • MAREMONT

MAGNUM-KRIZMAN



KS 650 A

MAGNUM RACING

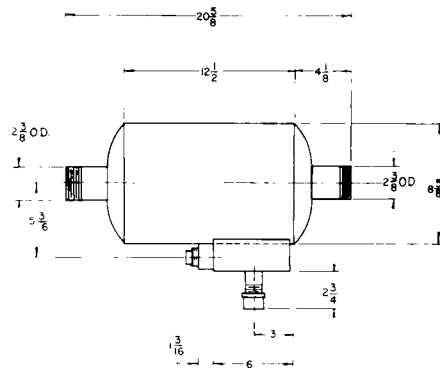
No diagrams available:
Refer to General Purpose Qualification Table at end of section for rating.

MAREMONT (+)

No diagrams available:
Refer to General Purpose Qualification Table at end of section for rating.

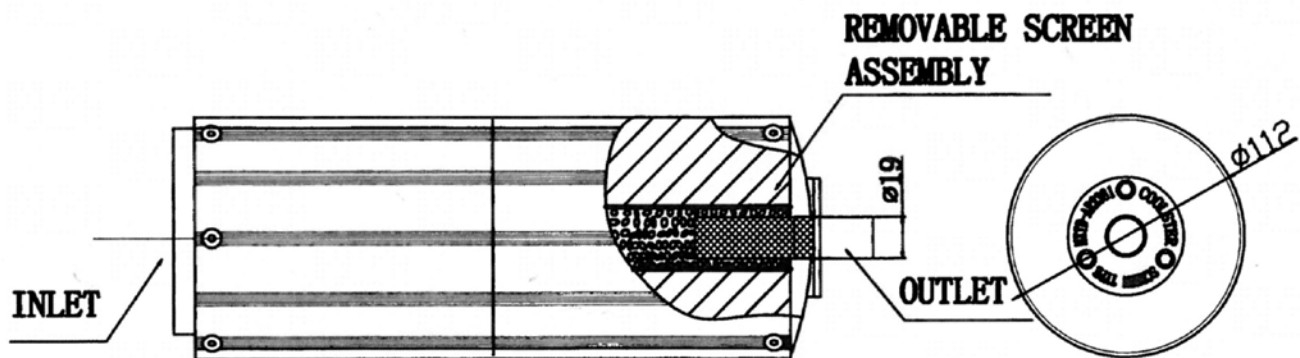
MAXIM • MAXTRADE LLC • MBRP INC.

MAXIM



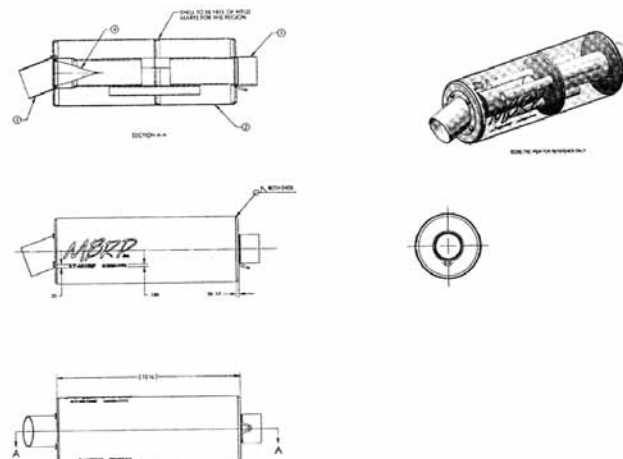
2" MSA1

MAXTRADE



MXTD AR2381

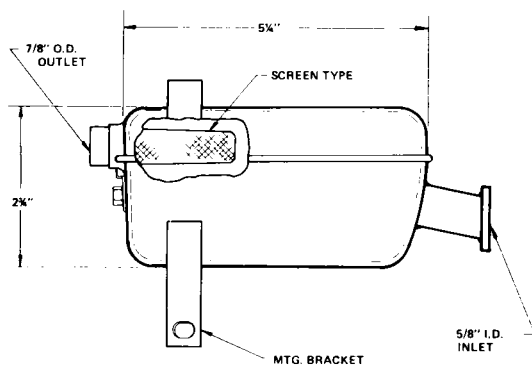
MBRP INC.



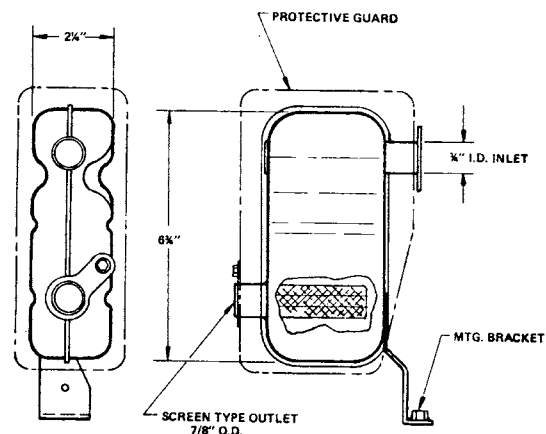
AT 601OSP

McCULLOCH • MOTOLABS

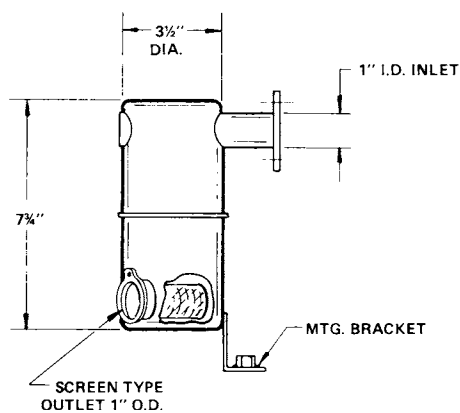
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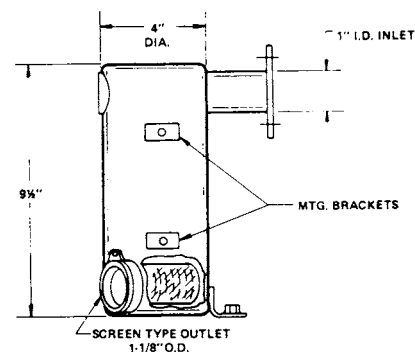
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MPP 1500E

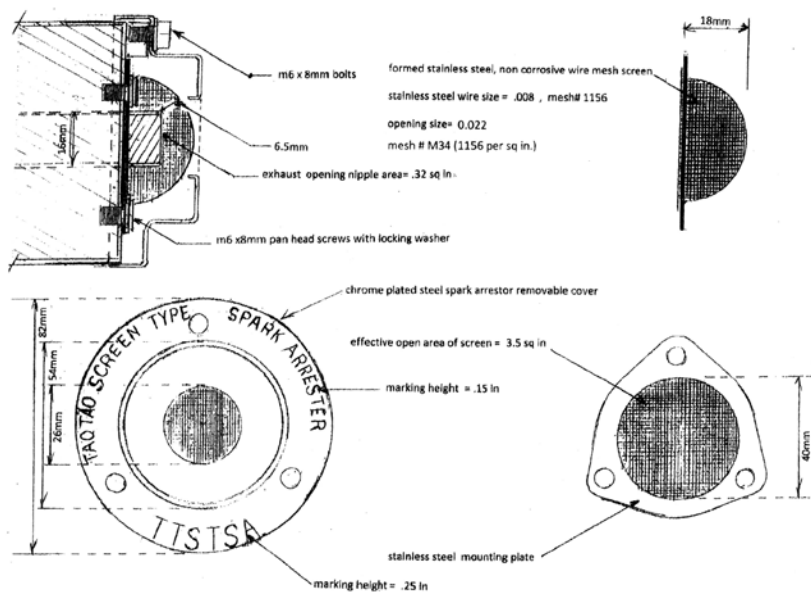


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MPP 3500E

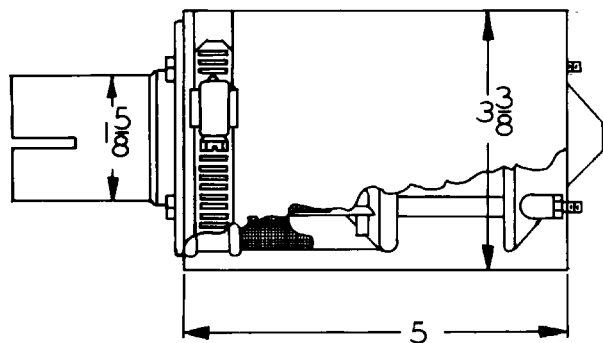
MOTOLABS



TTSTSA1

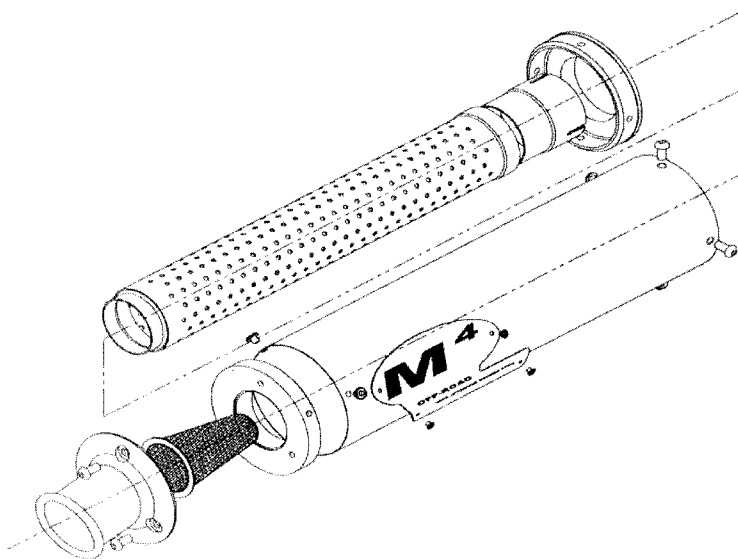
MURPHY • MUZZY

MURPHY



MM3S 2.5

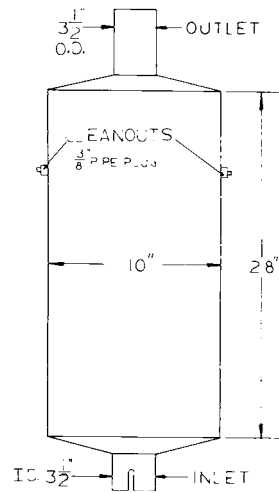
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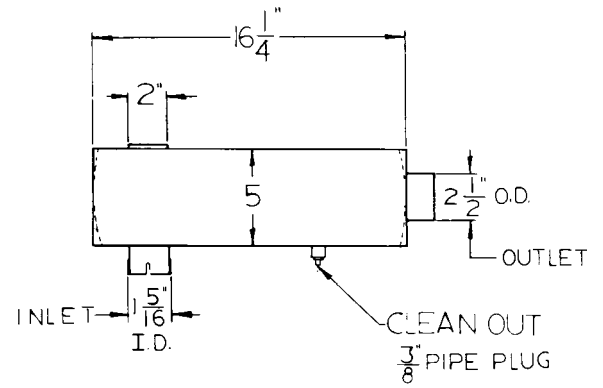
MUZZY'S PERFORMANCE PRODUCTS

NELSON

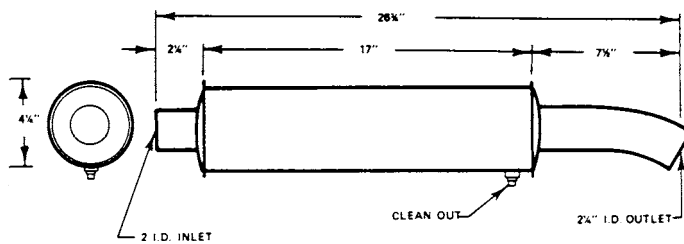
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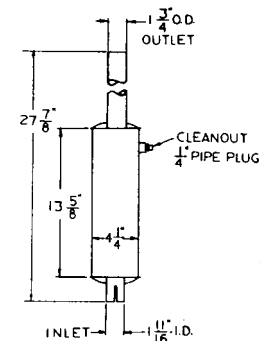
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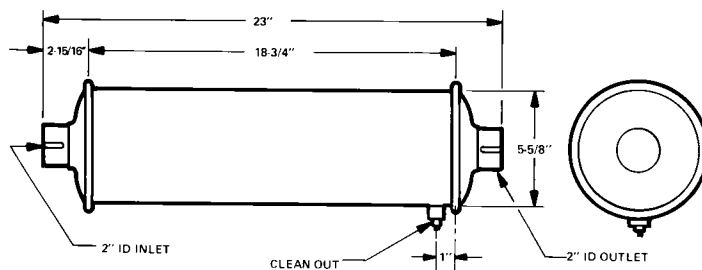
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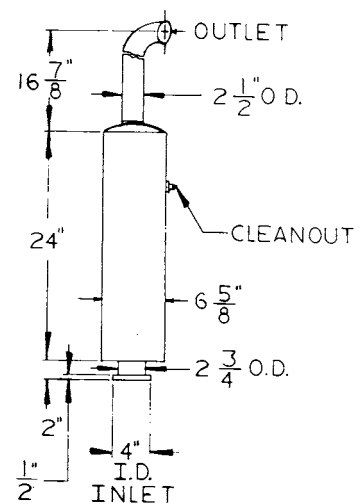
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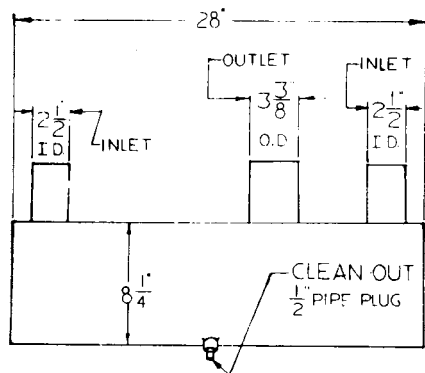
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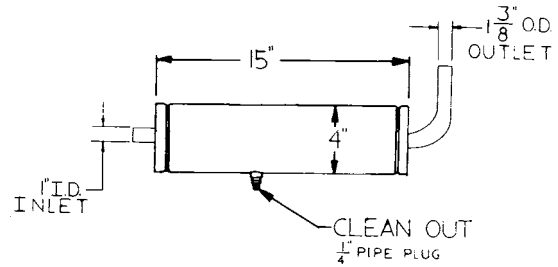
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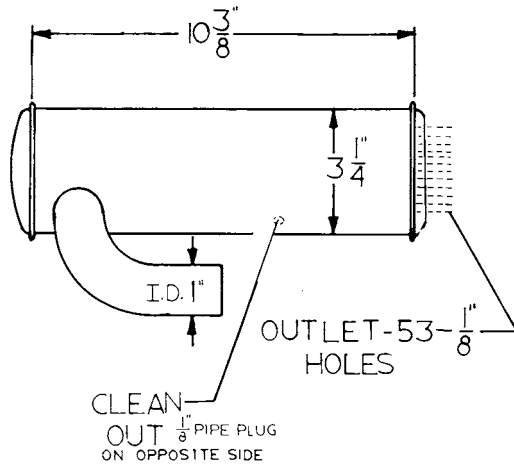
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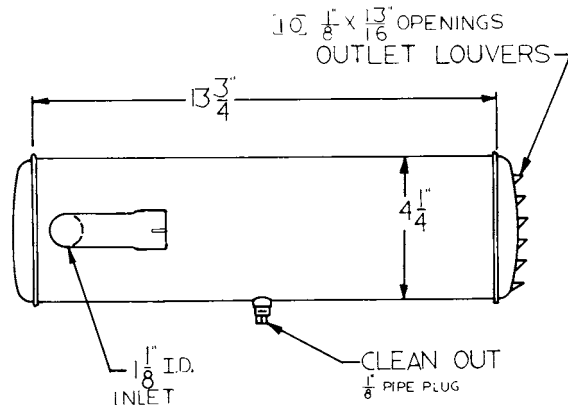
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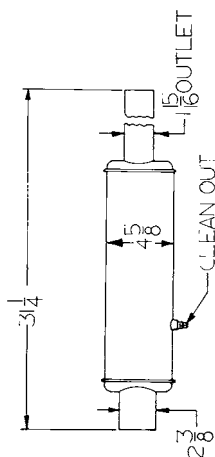
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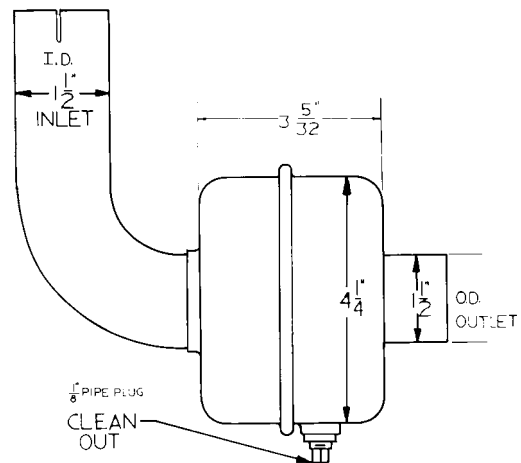
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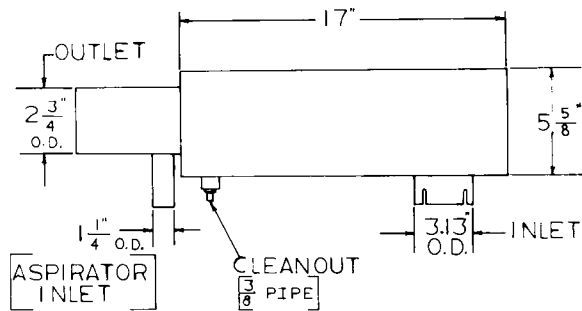
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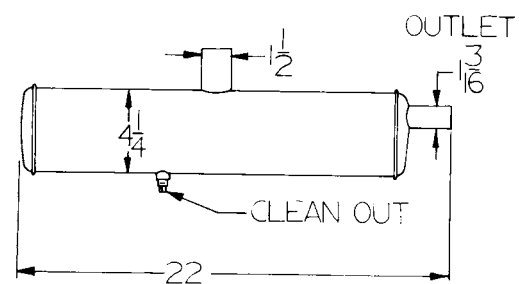
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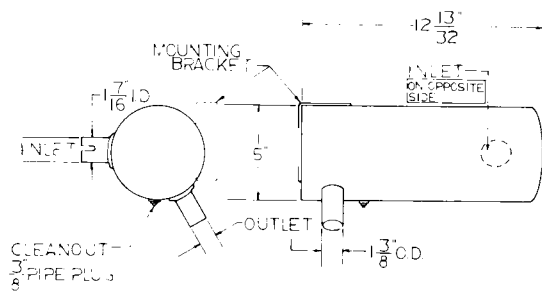
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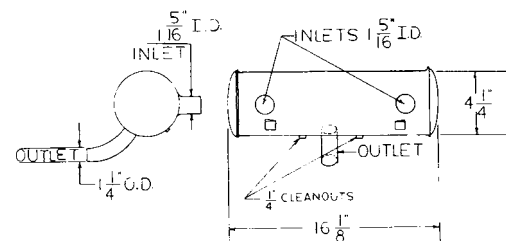
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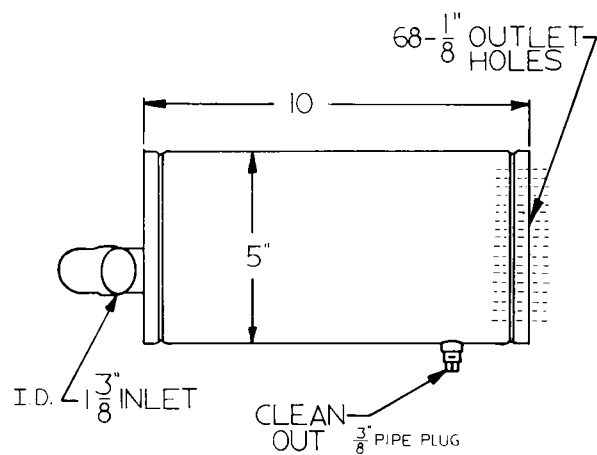
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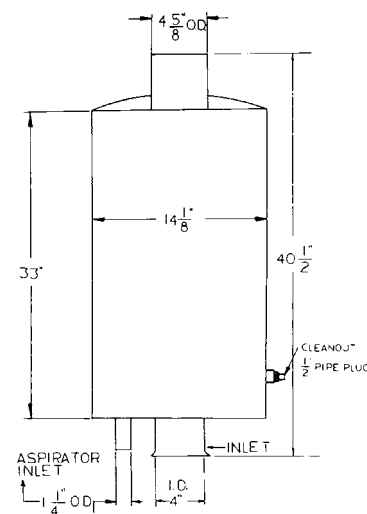
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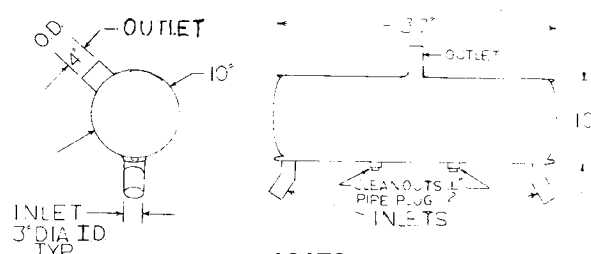
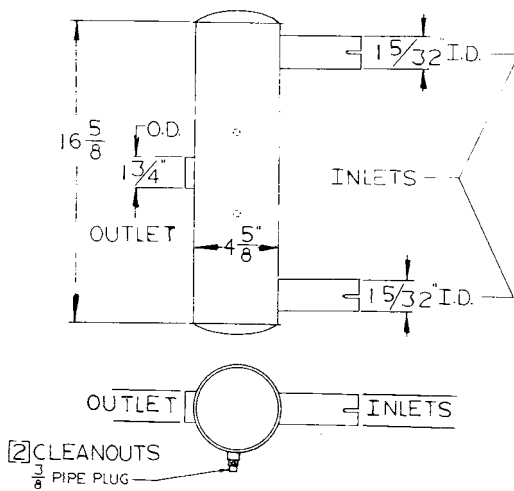
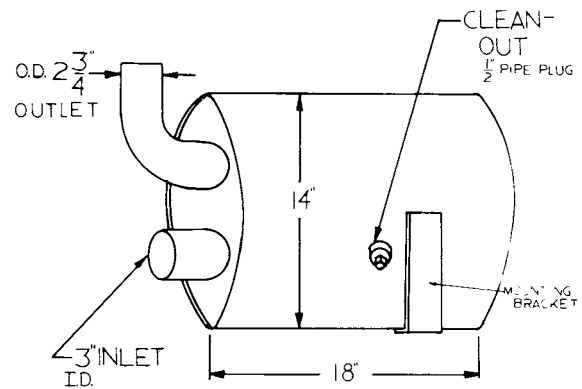
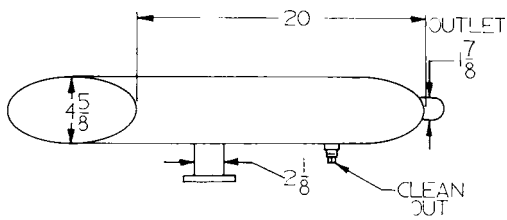
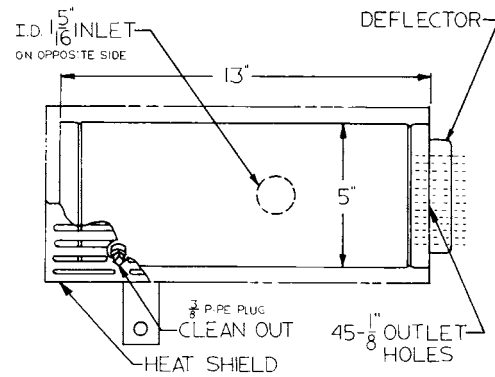
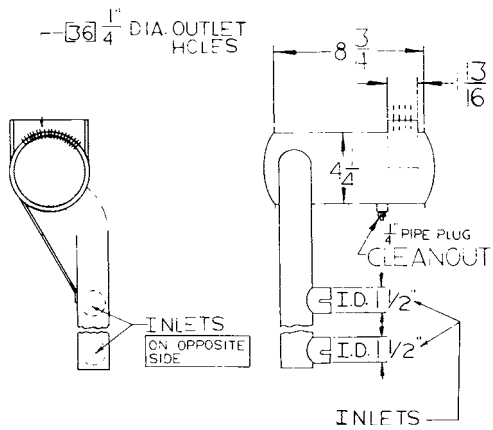
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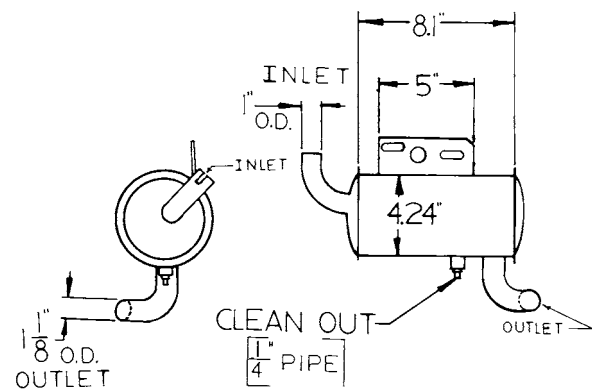
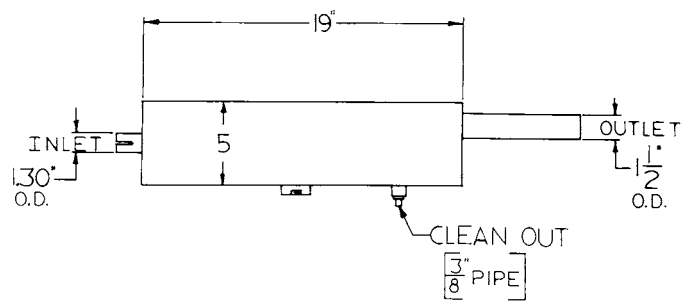
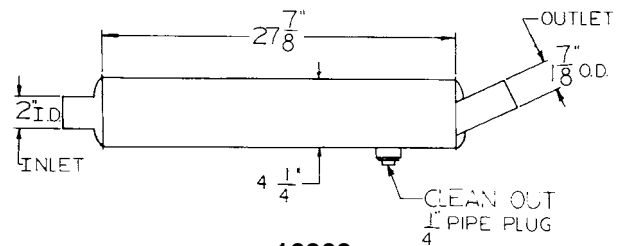
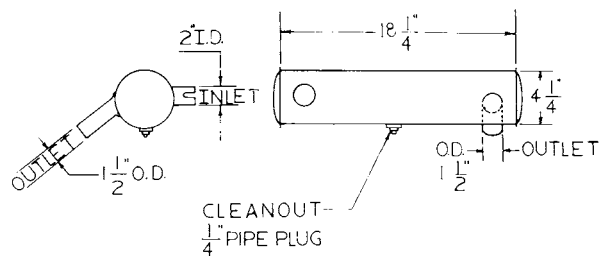
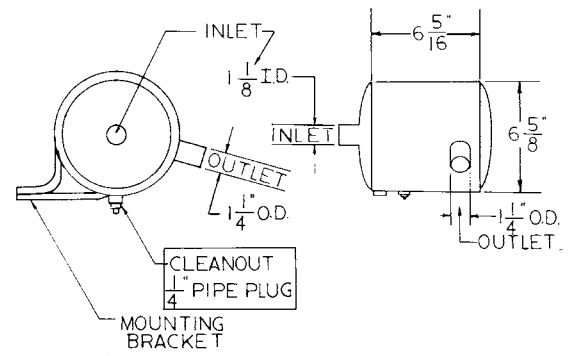
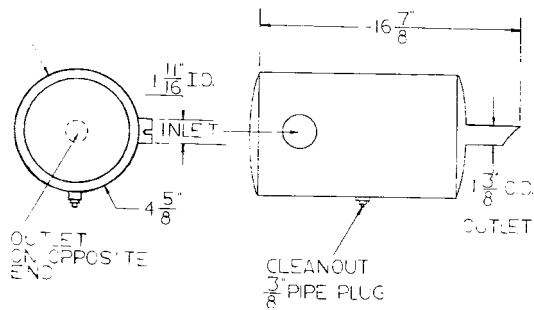
NELSON

NELSON



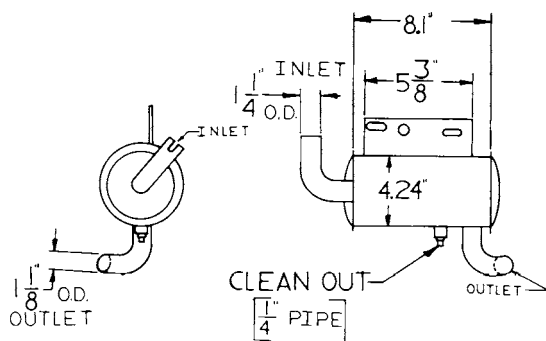
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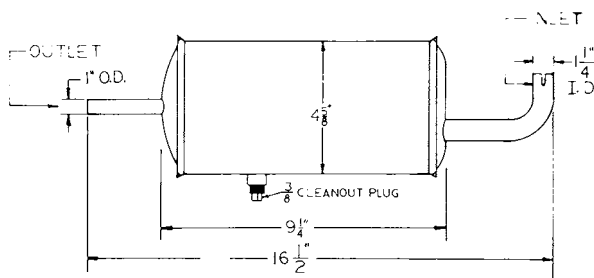


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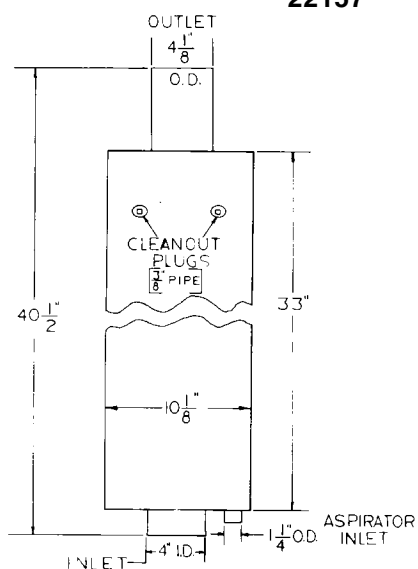
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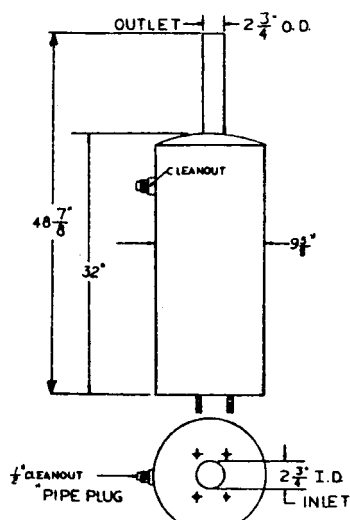
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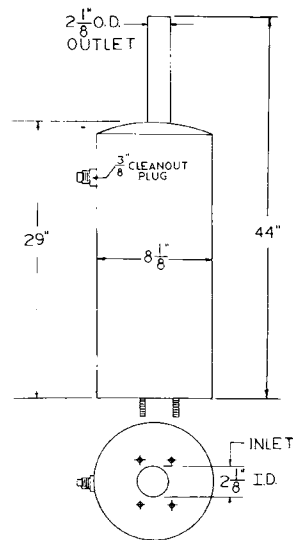
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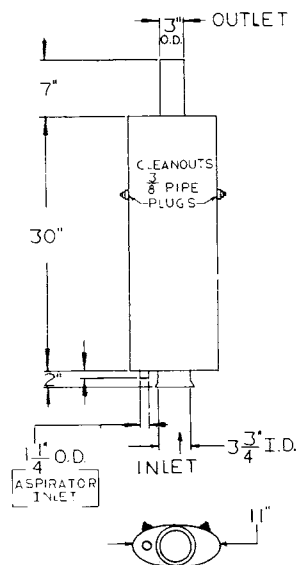
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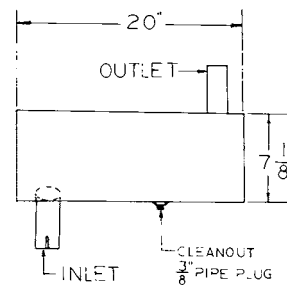
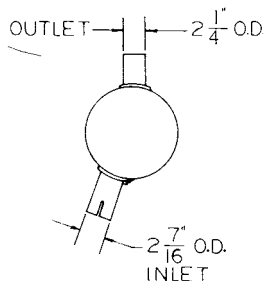
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16507A



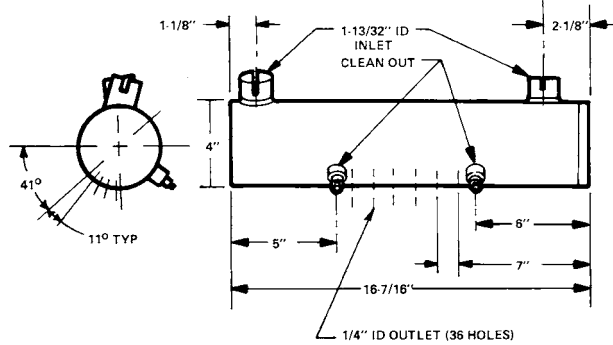
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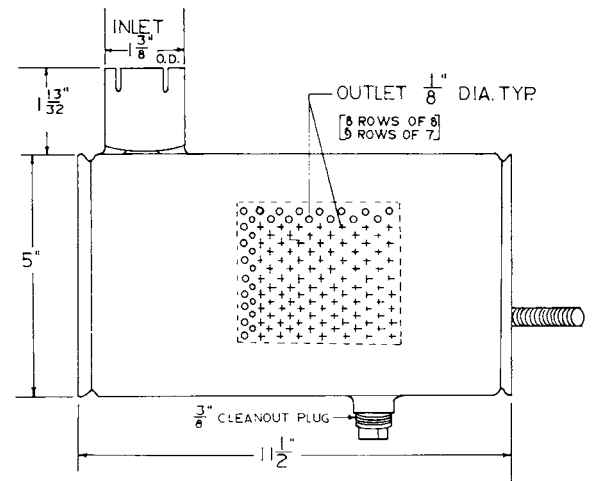
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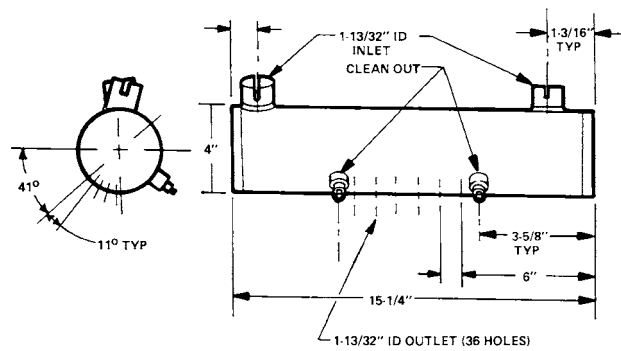
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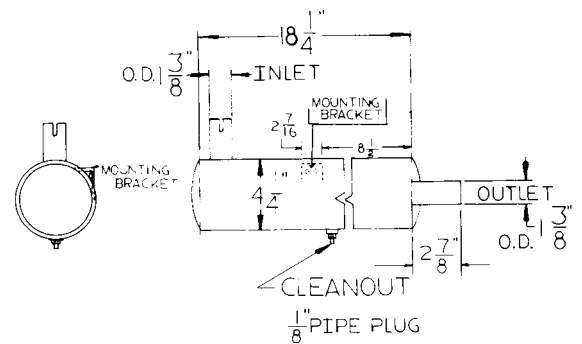
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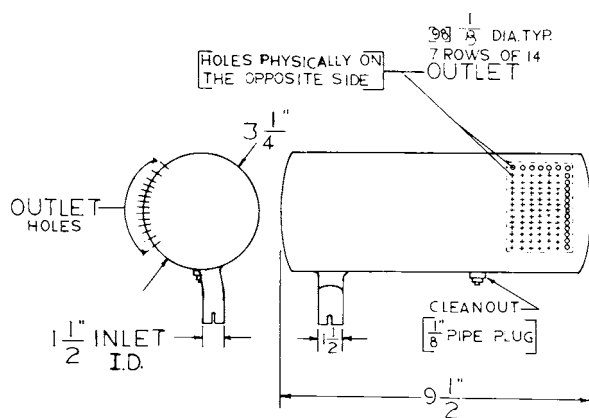
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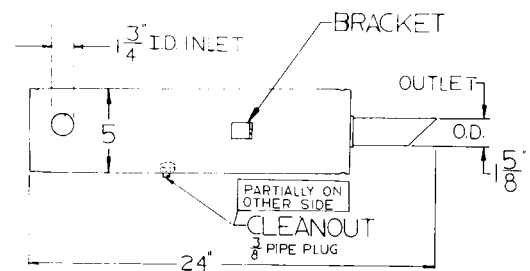
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16667



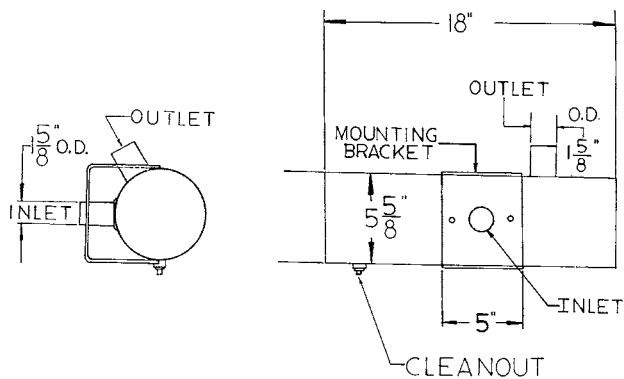
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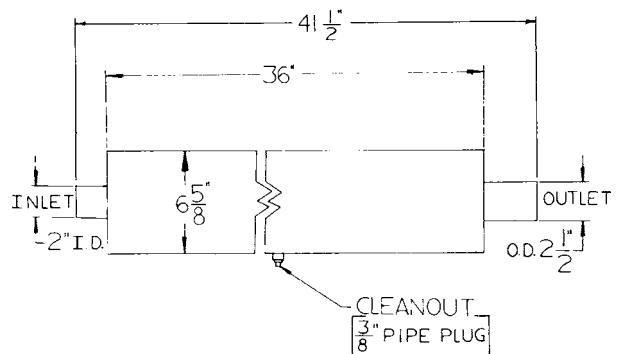
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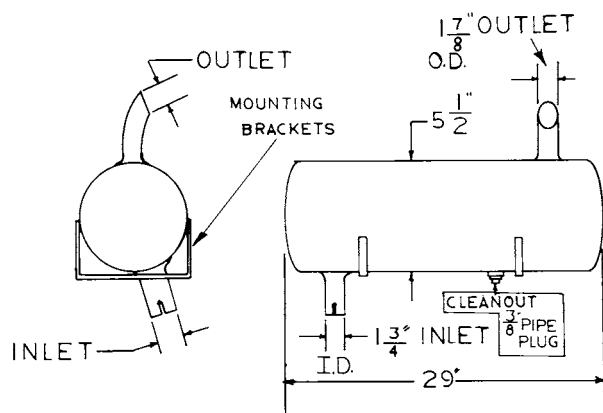
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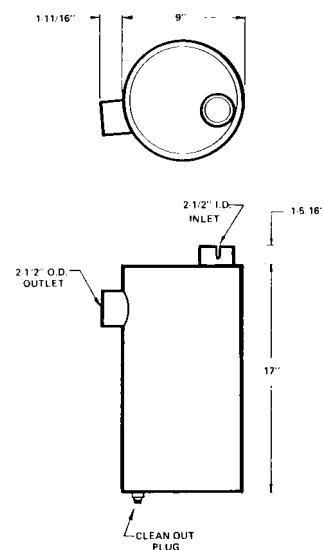
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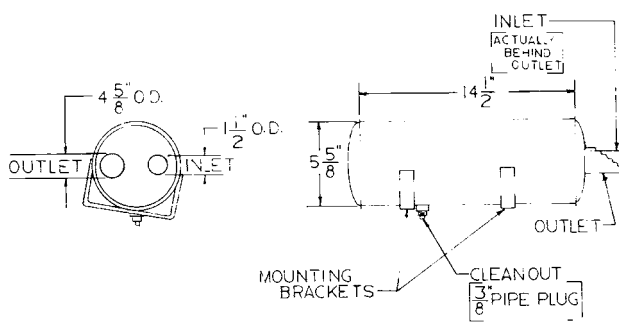
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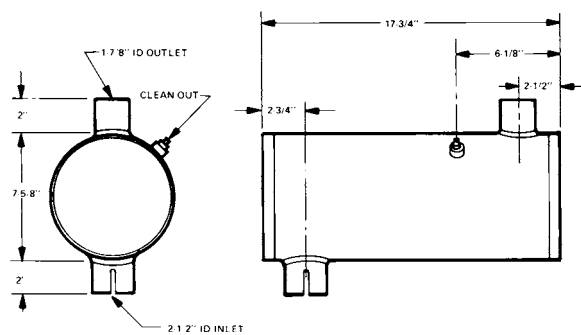
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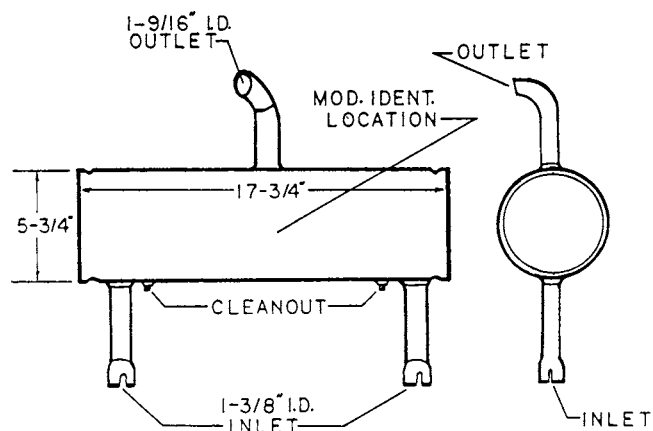
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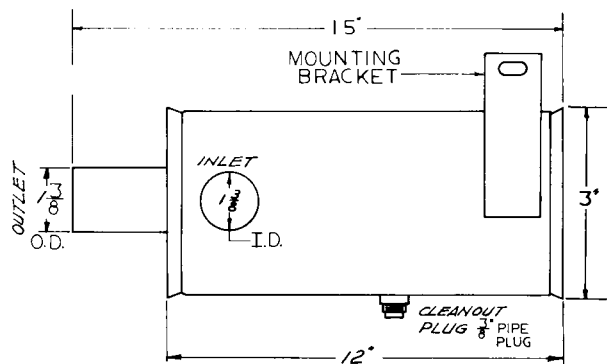
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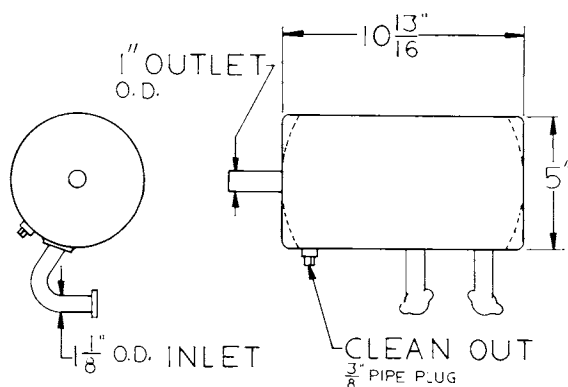
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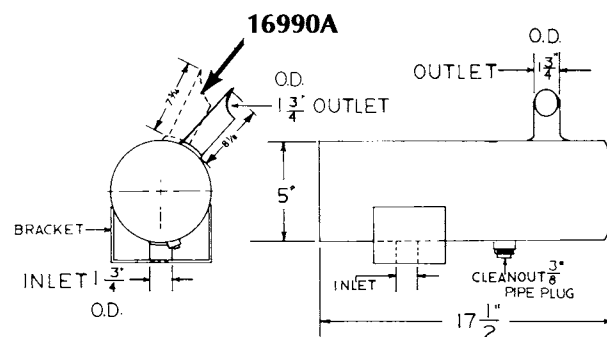
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16988

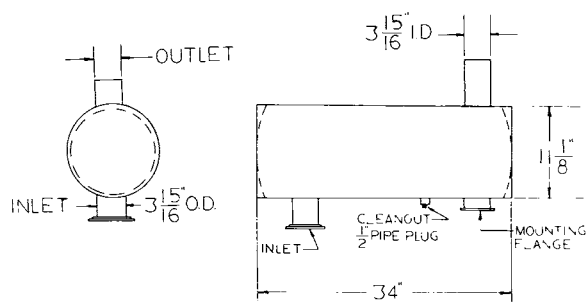


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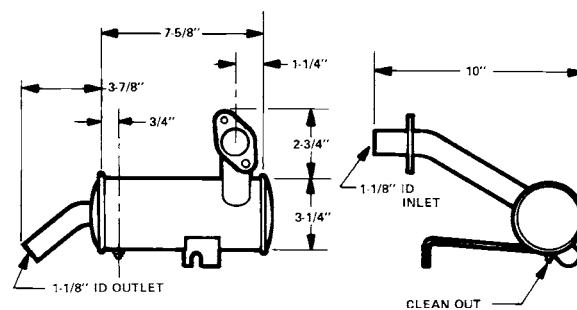


16990
16990A

Note: The difference between the 16990 and 16990A is the rotation angle, and length of outlet tube.



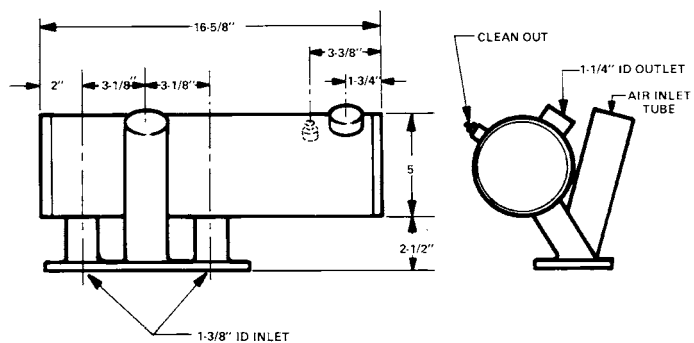
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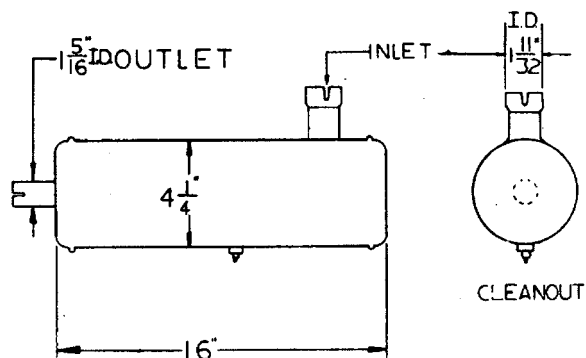
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NELSON

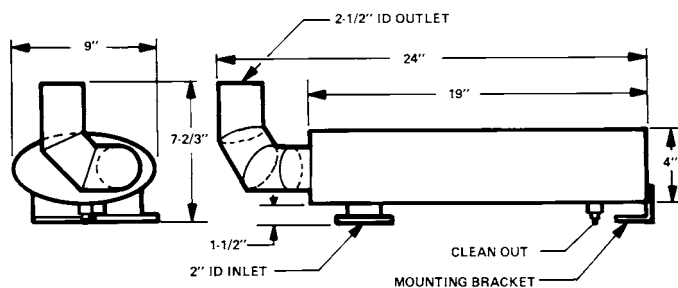
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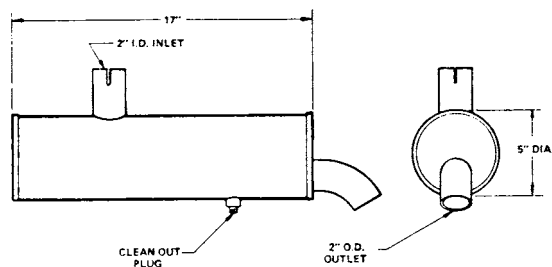
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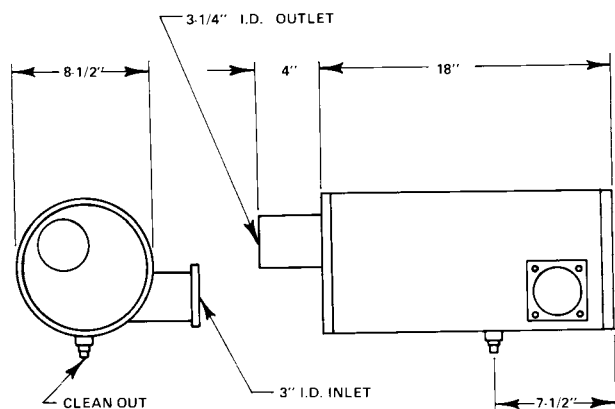
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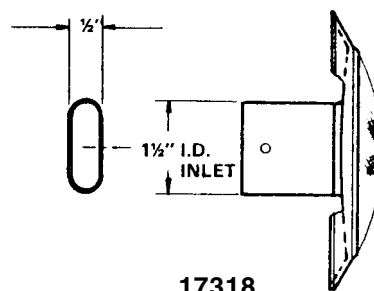
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17185



17254

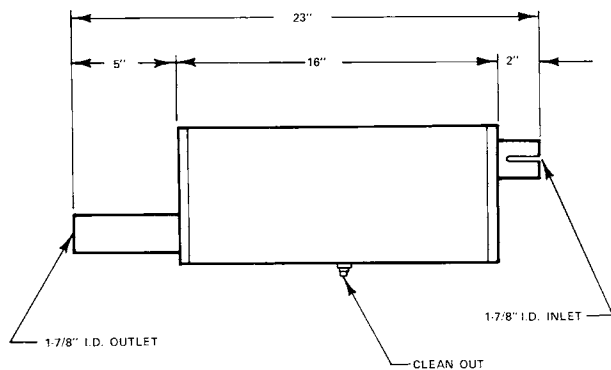


17318

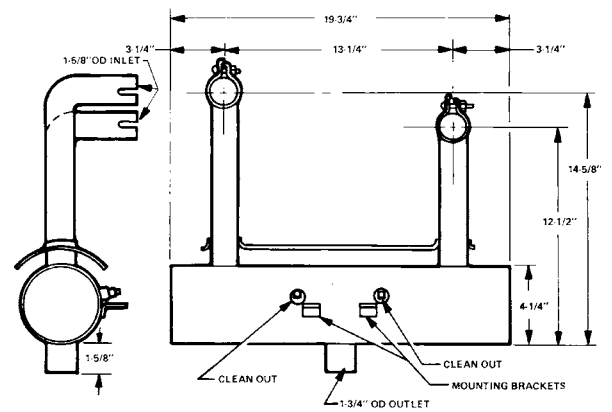
For Nelson 35347 screen assembly

NELSON

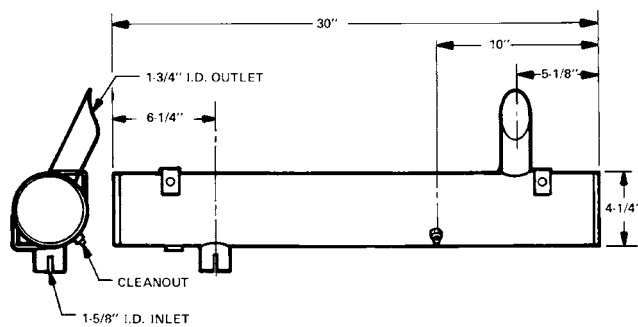
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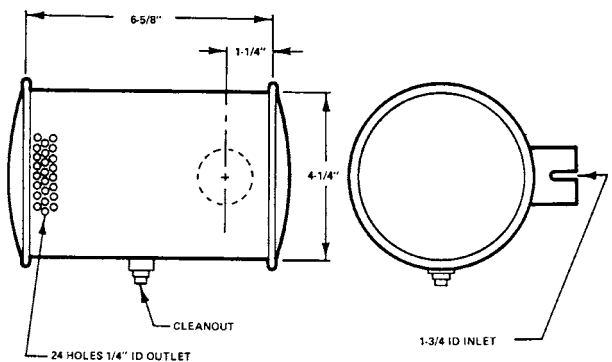
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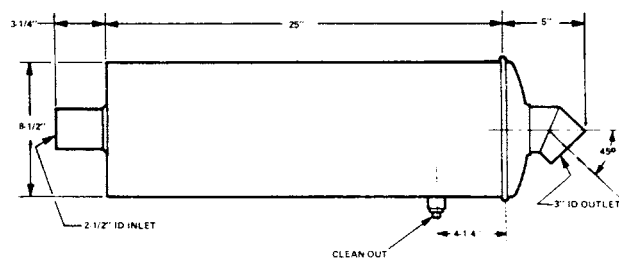
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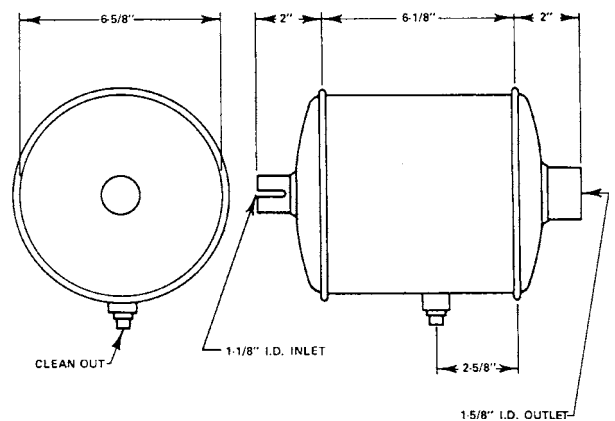
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17470



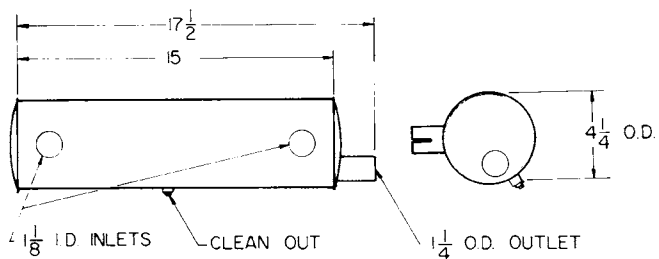
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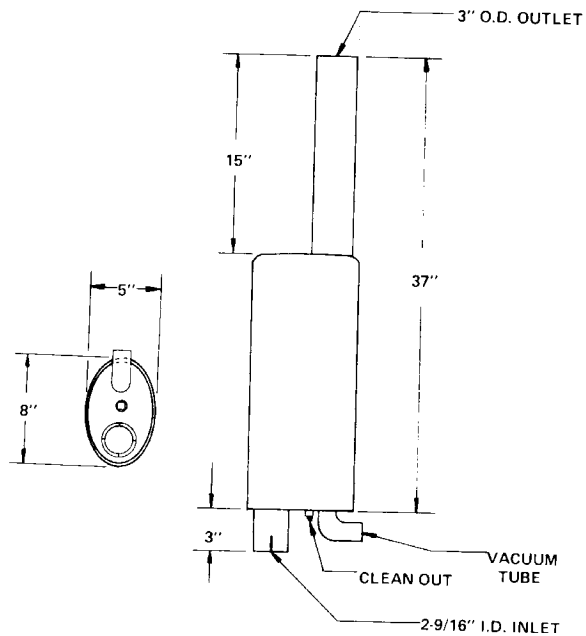
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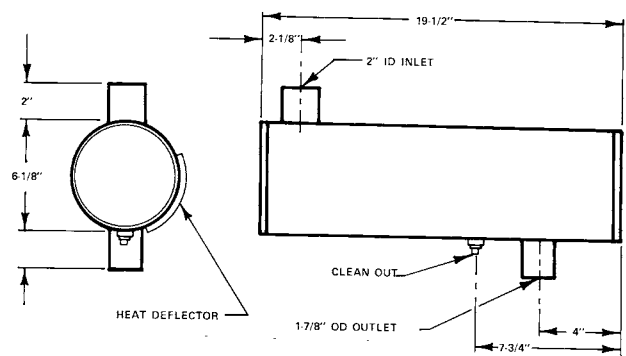
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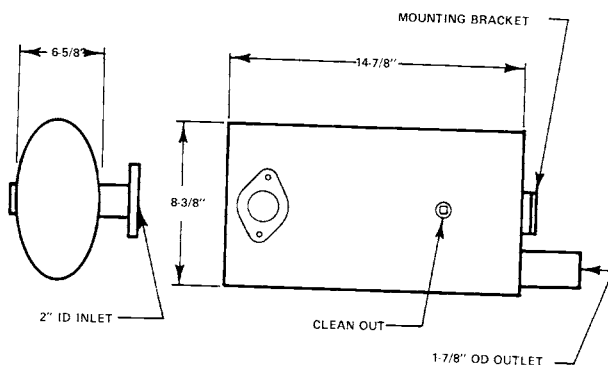
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17622C



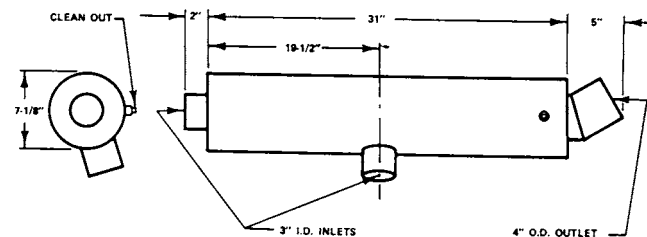
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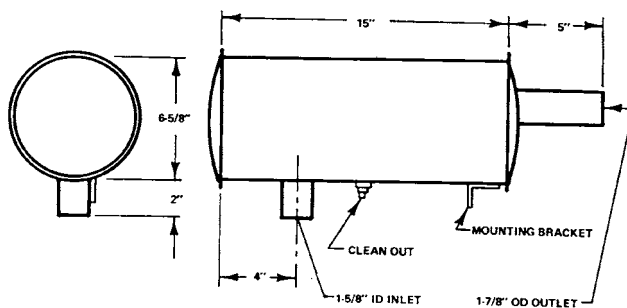
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17695



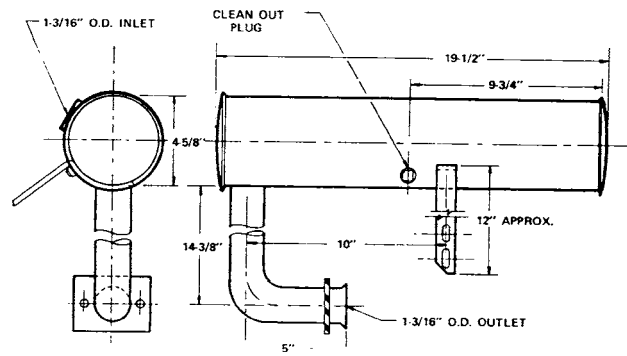
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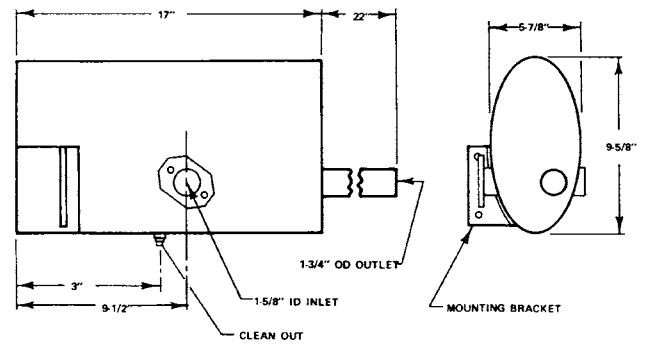
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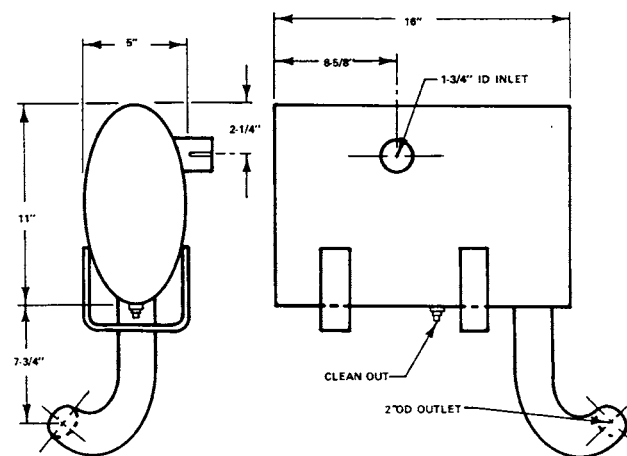
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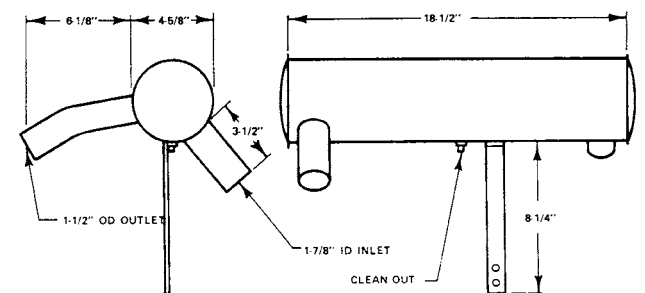
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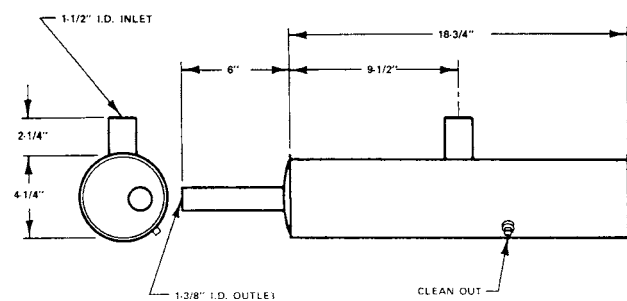
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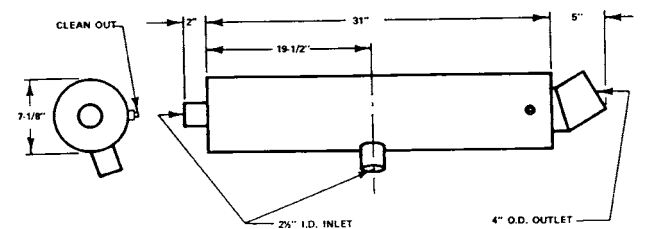
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17765



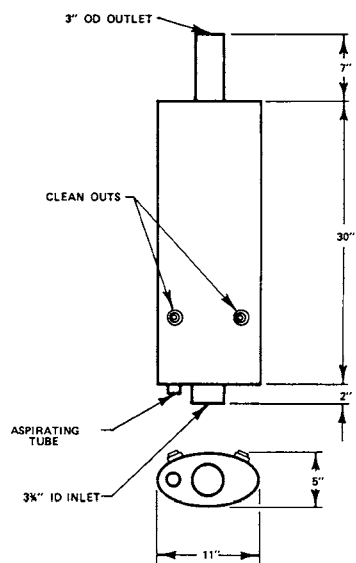
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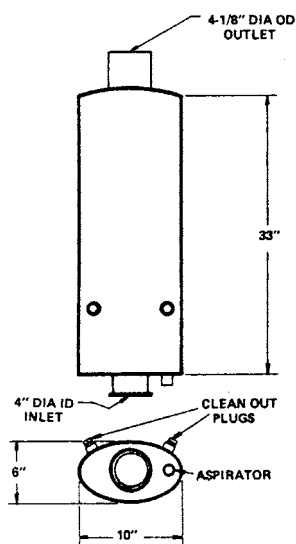
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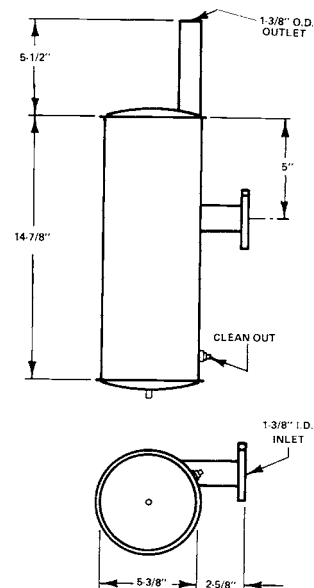
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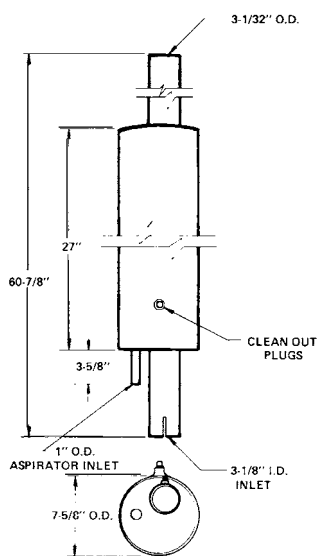
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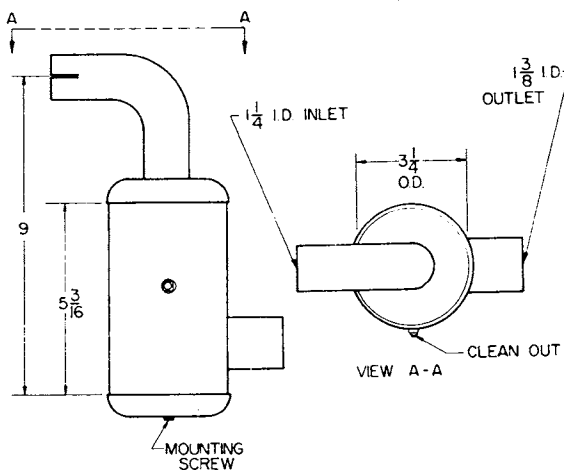
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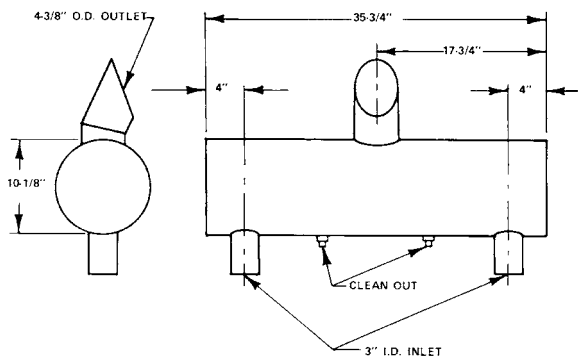
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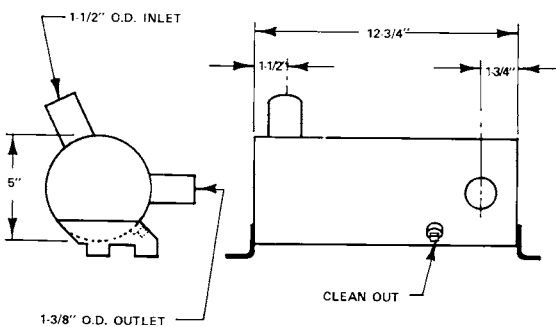
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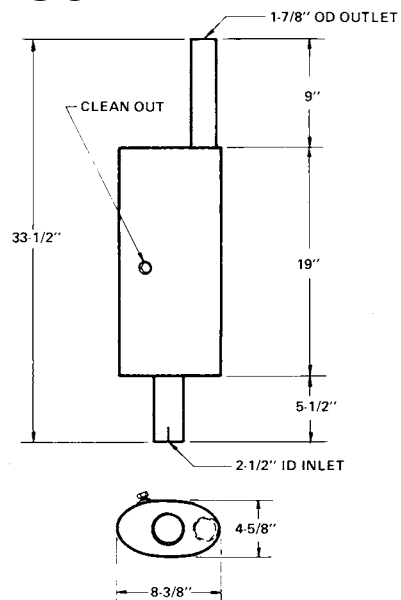
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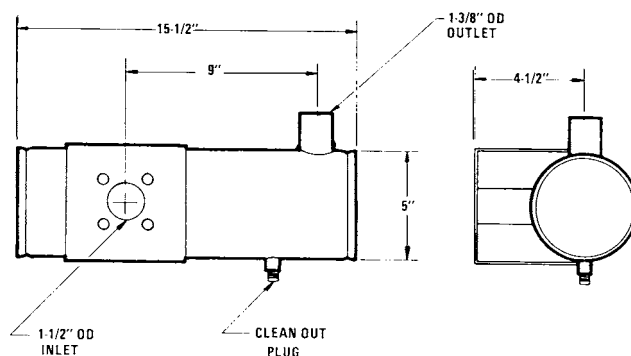
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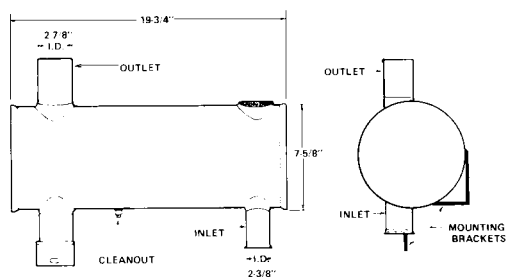
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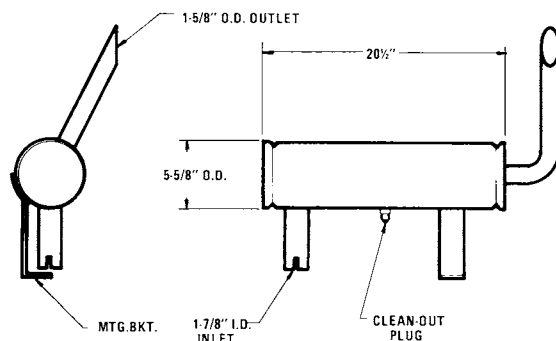
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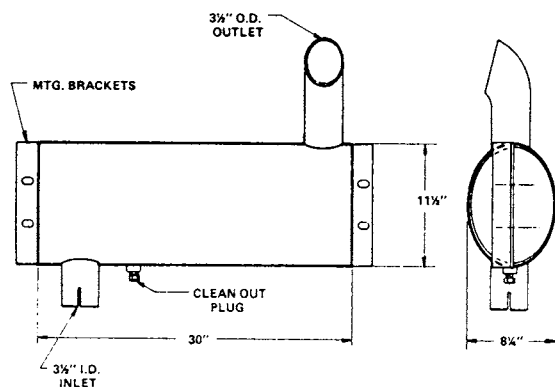
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18528A**



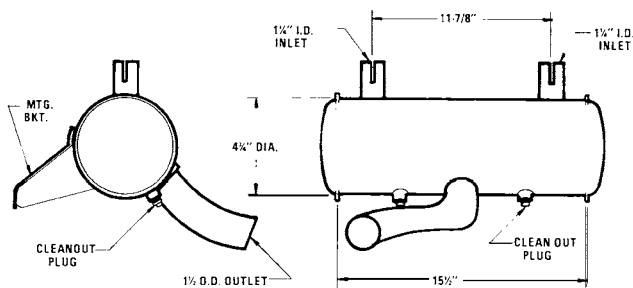
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18631



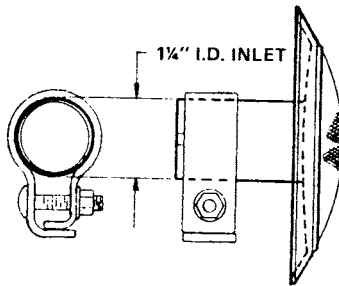
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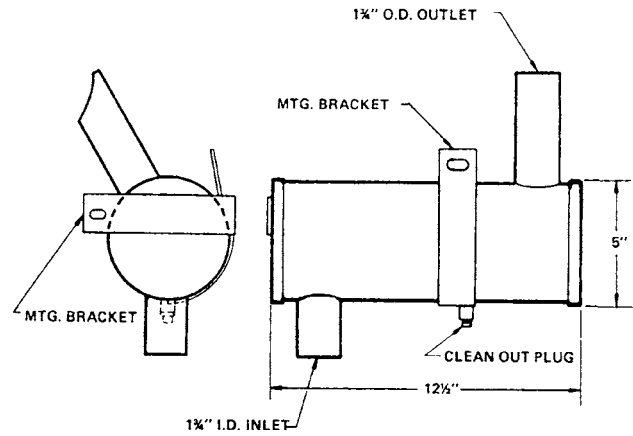
18731

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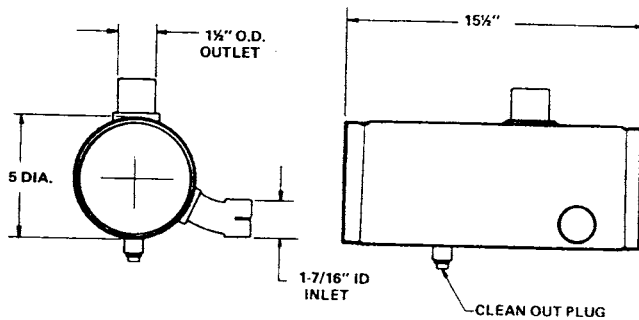
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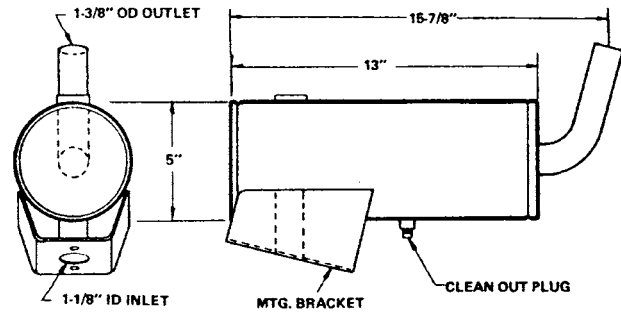
**ADAPTER
18753**



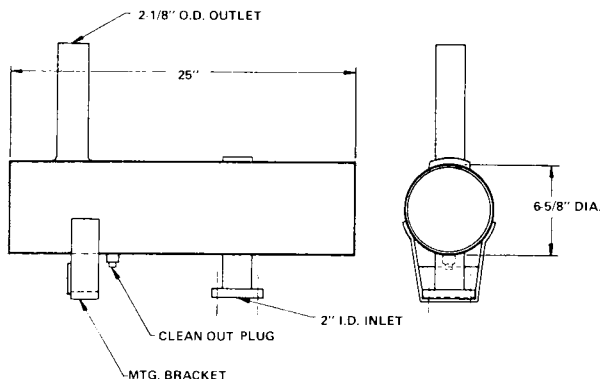
18798



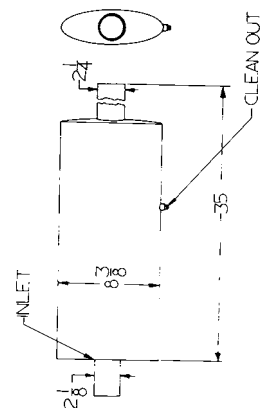
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18885



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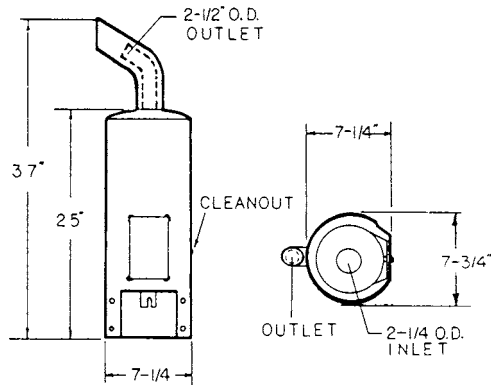


T-14222

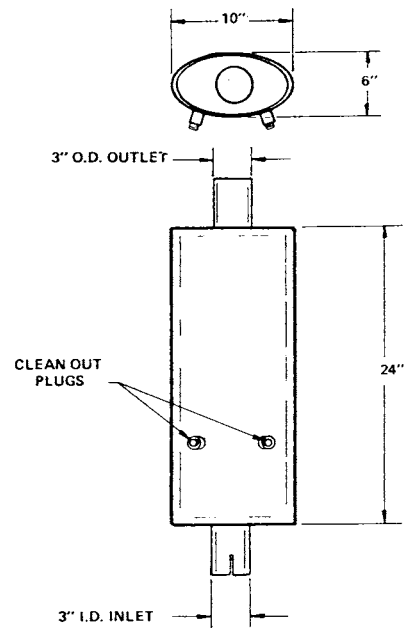
Nelson 19051 approved as T-14222
 Nelson 19052 approved as T-14222
 Nelson 19053 approved as T-14222
 Nelson 19062 approved as T-14222

NELSON

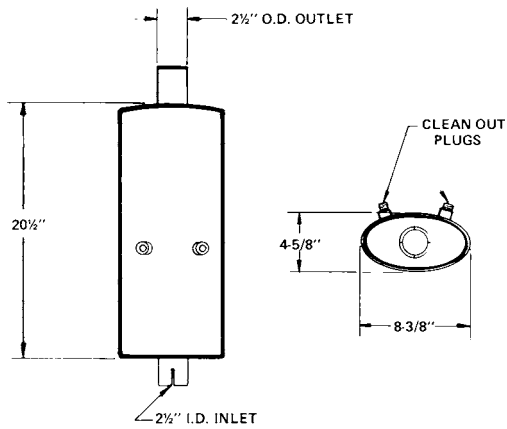
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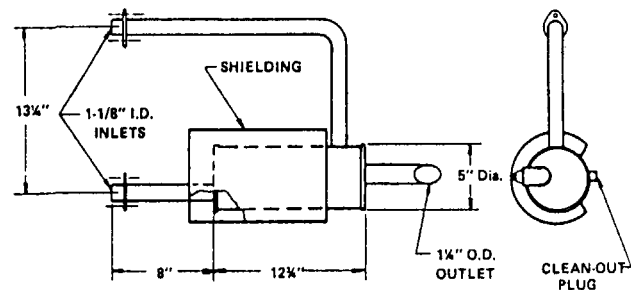
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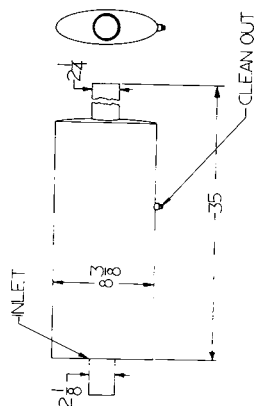
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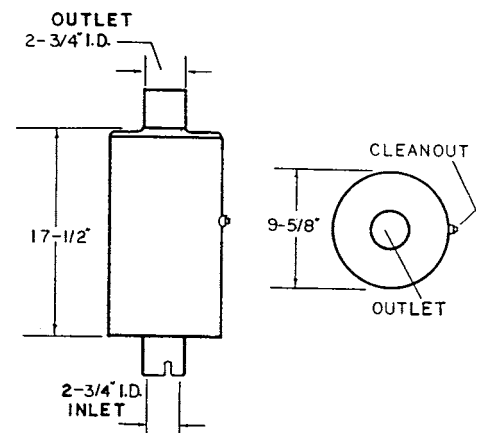
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19139



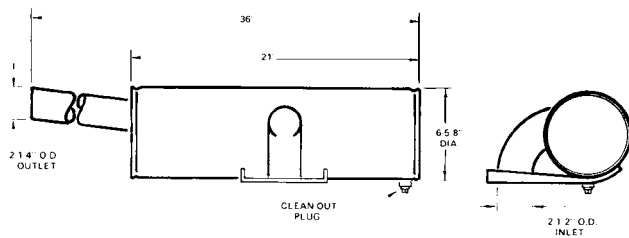
19269
T-14222



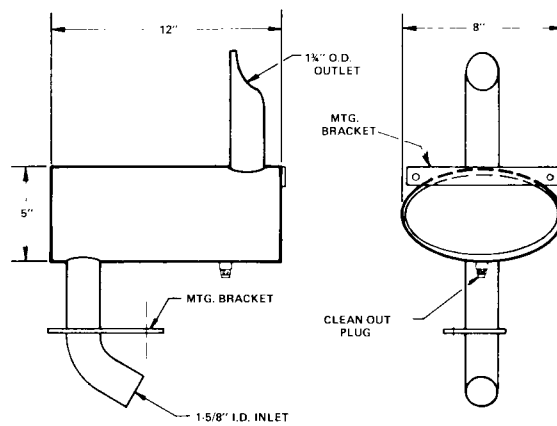
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T-14219

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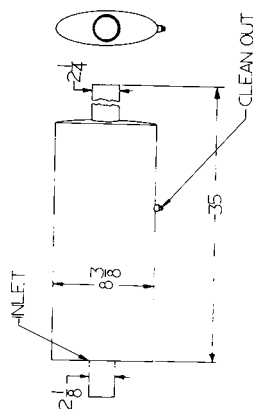
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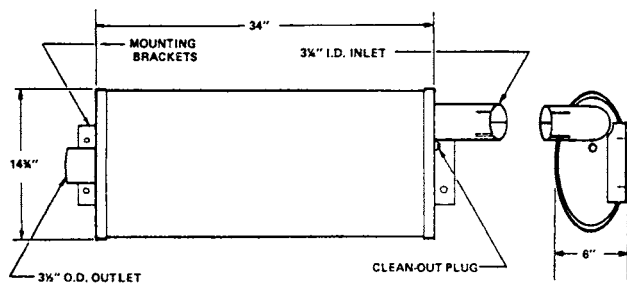
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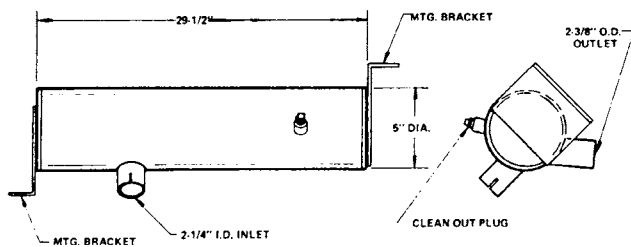
**19382
23094**



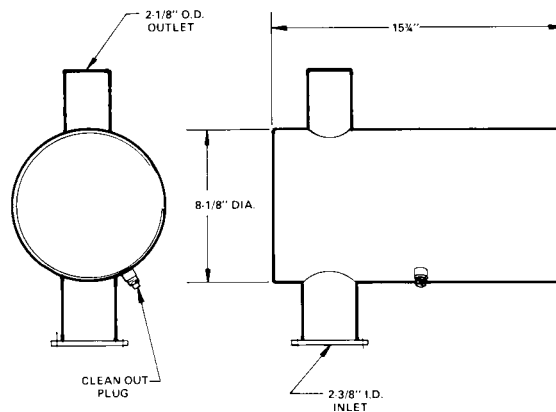
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T-14222**



19453



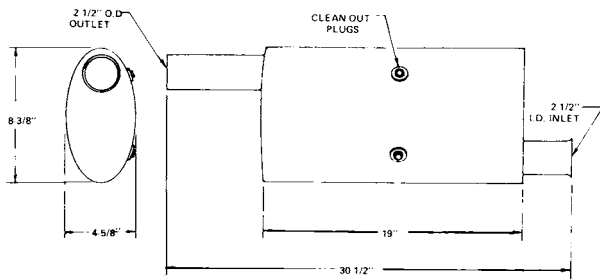
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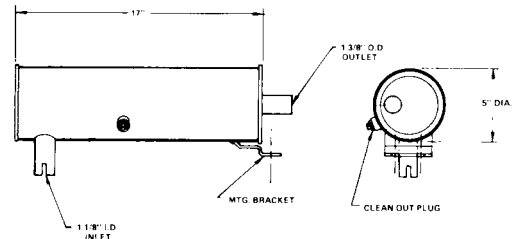
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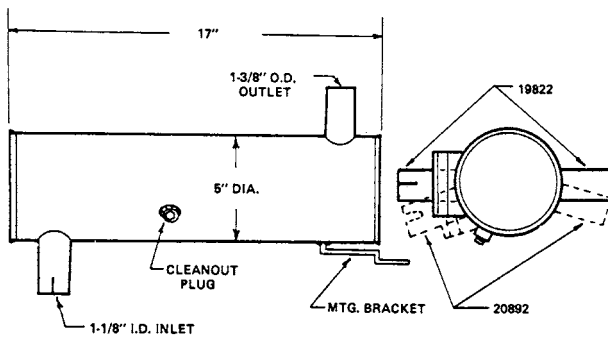
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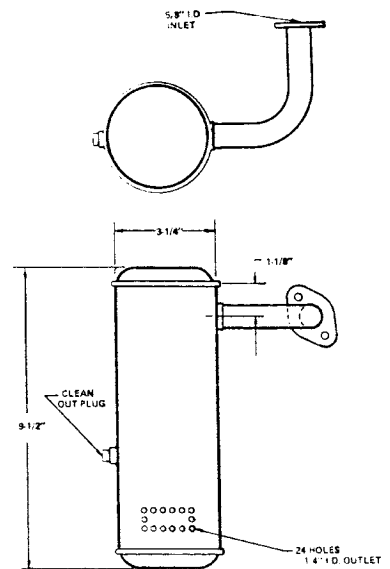
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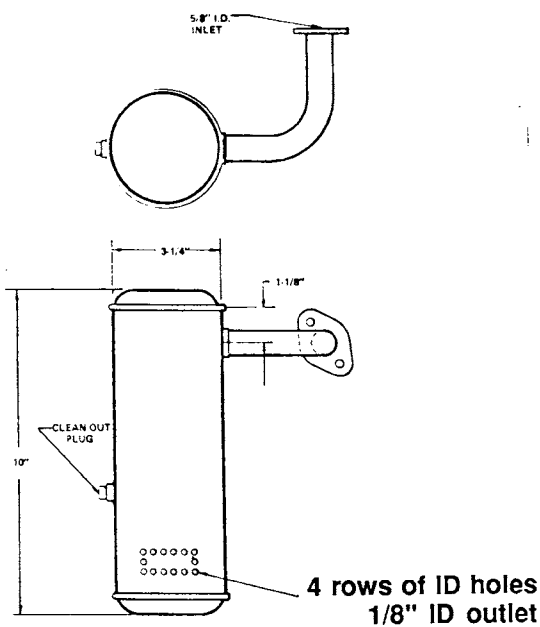
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20665
22904**



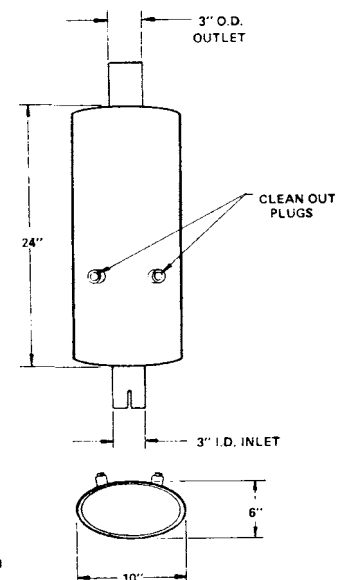
**19822
20892A
20892B
20666**



19825



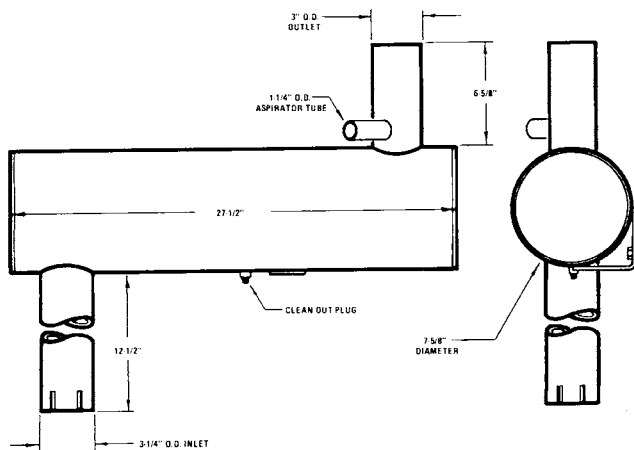
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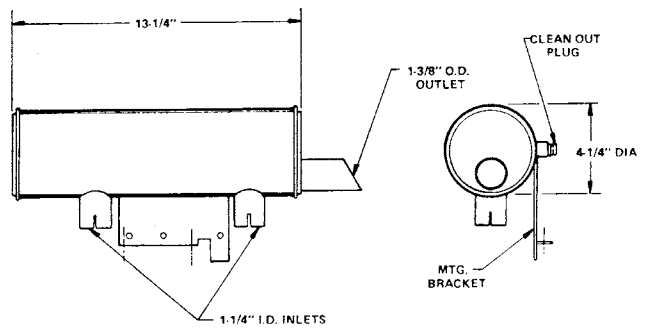
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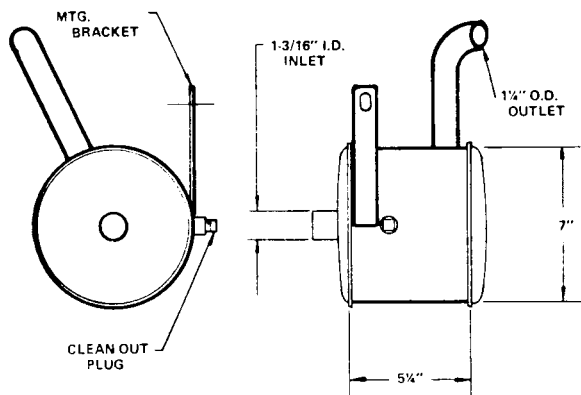
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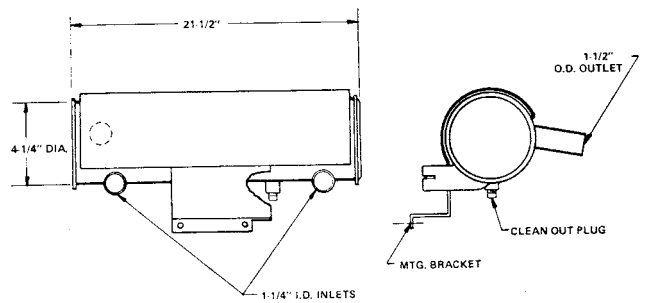
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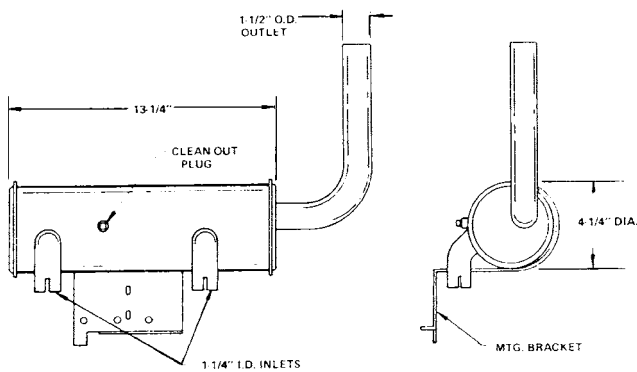
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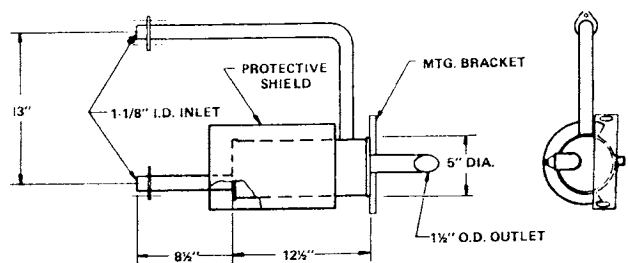
19973



19975



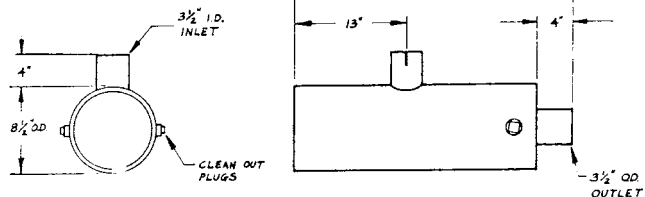
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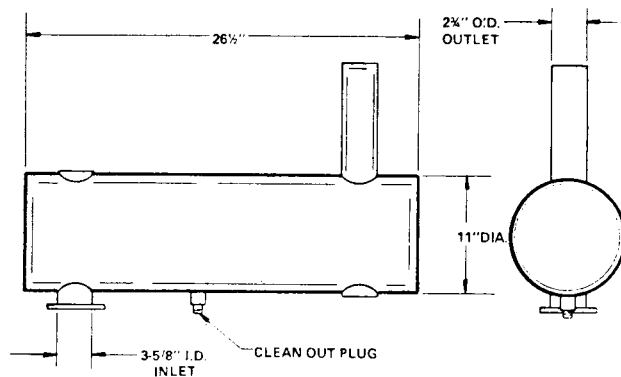
19994

NELSON

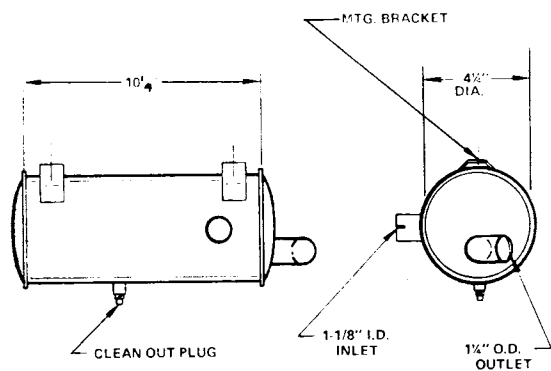
NELSON



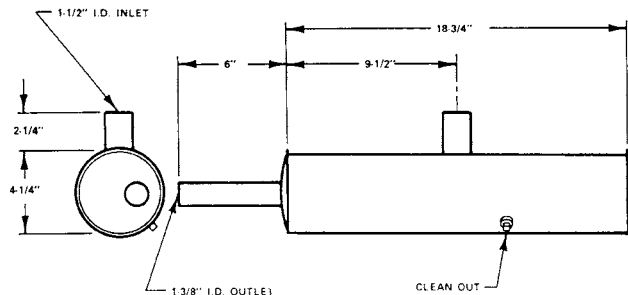
20069



20072

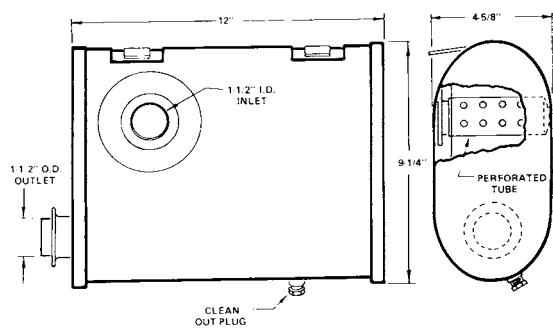


20147

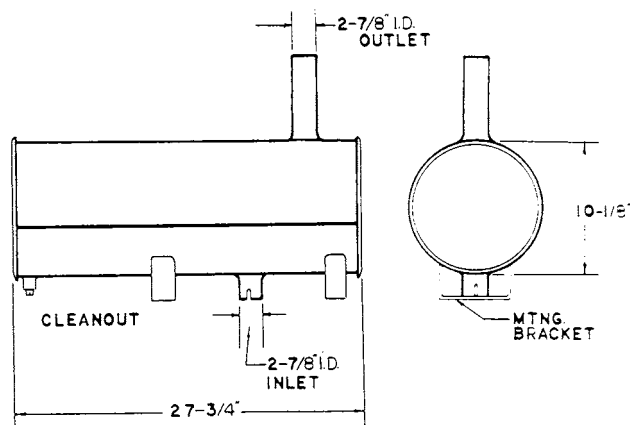


17898

Nelson 20343—same as 17898 except two clean out plugs
Nelson 20490 approved as Wacker WM80-58406



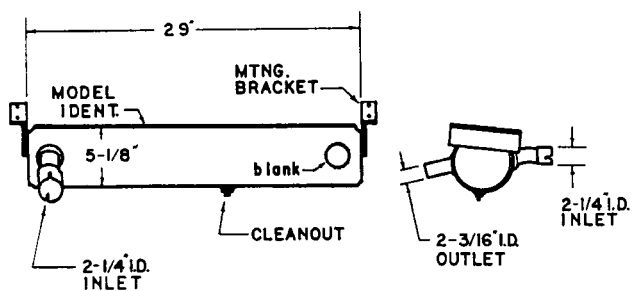
20513



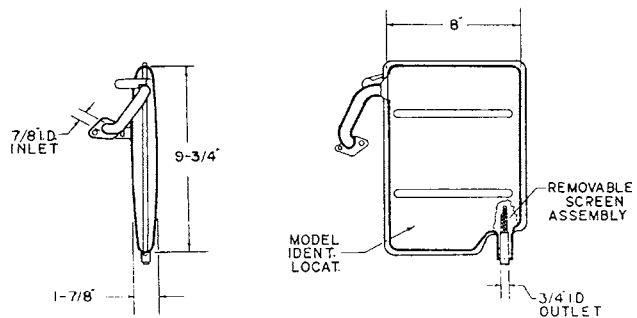
20519

NELSON

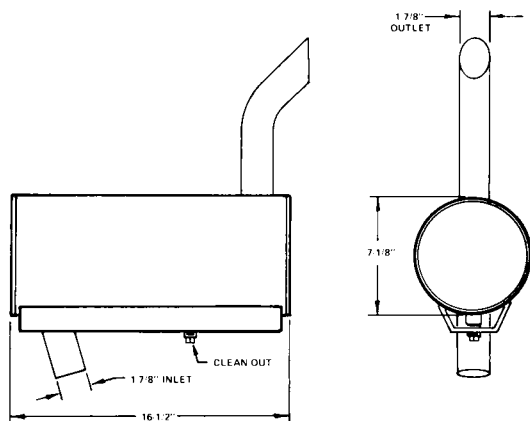
NELSON



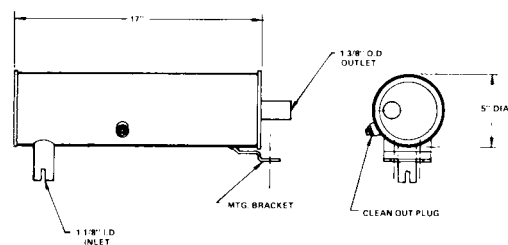
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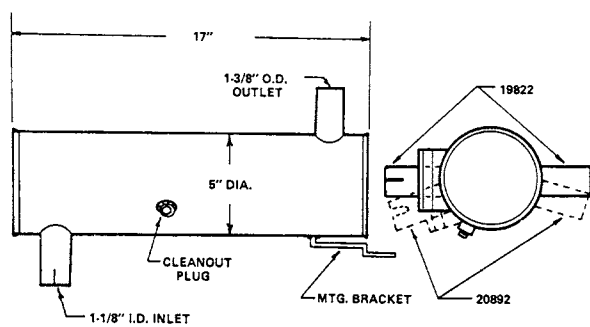
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23259A



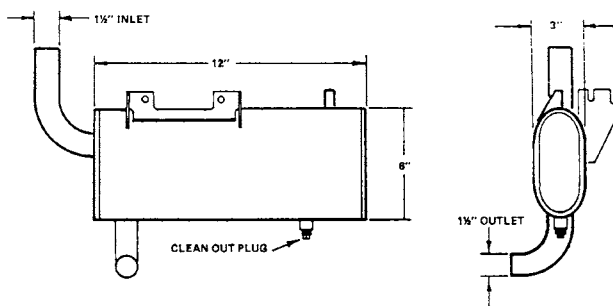
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22416



20665
19820



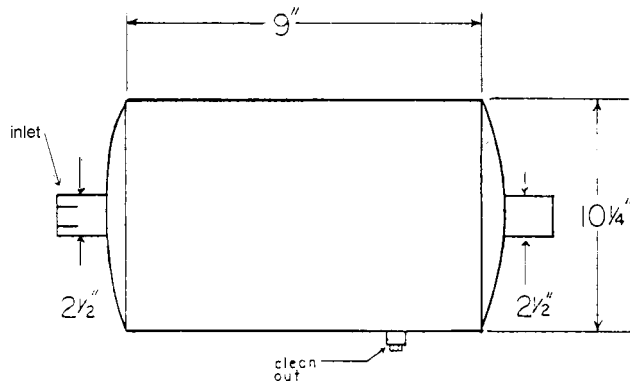
20666
19822
20892A
20892B



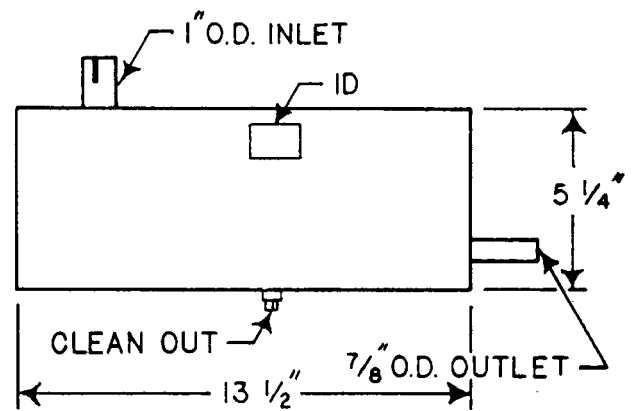
20687

NELSON

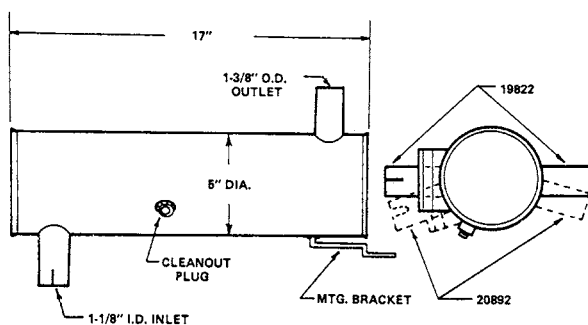
NELSON



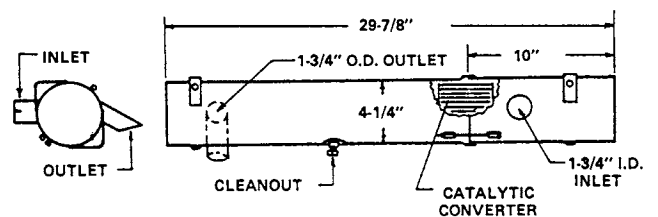
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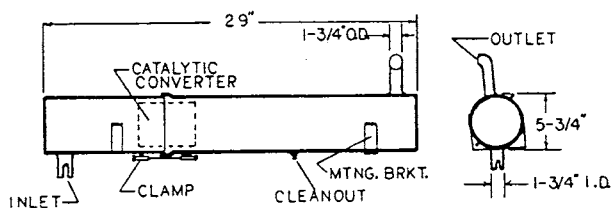
20788



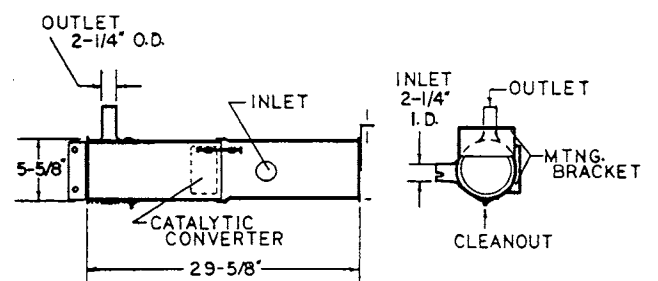
20892A
20892B
20666
19822



20952



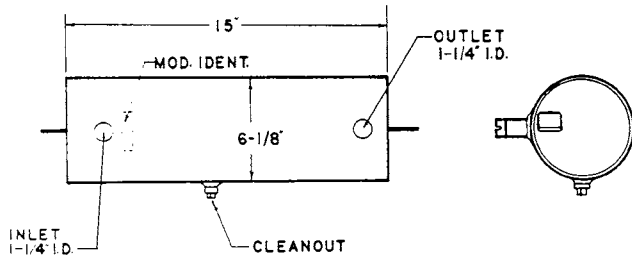
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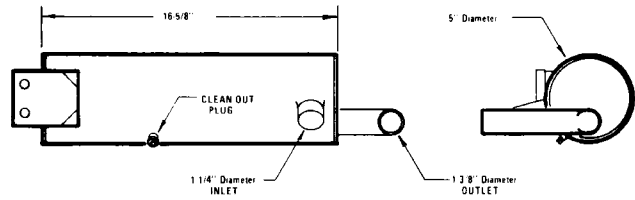
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NELSON

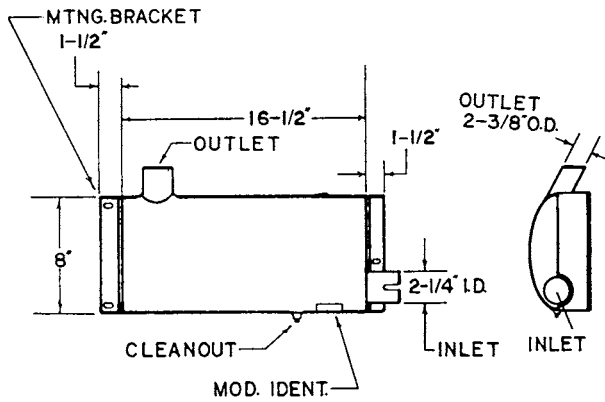
NELSON



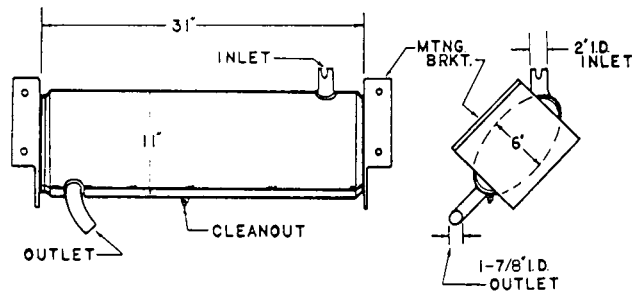
20965



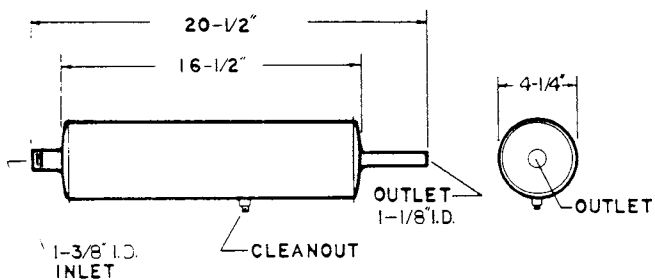
20990
20990B
23718



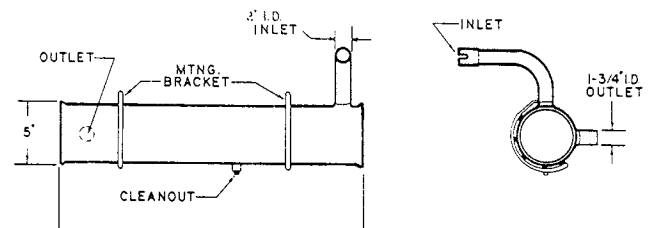
21140



21161



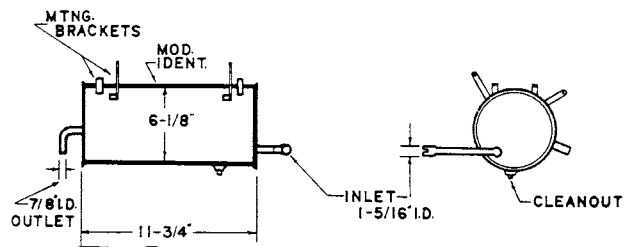
21279



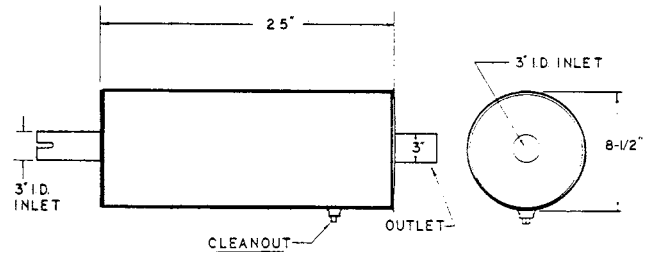
21341
23162

NELSON

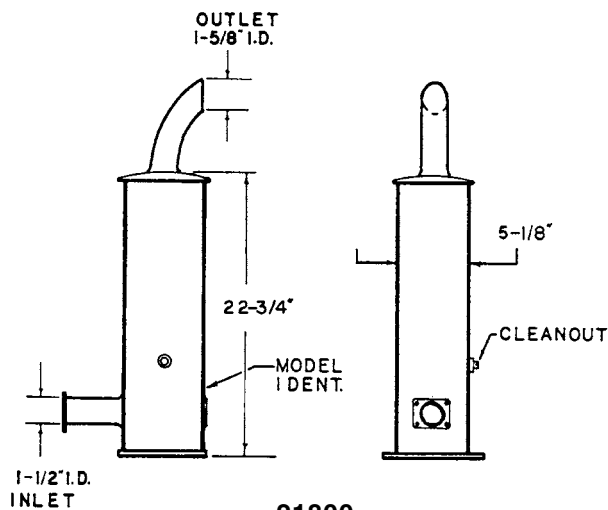
NELSON



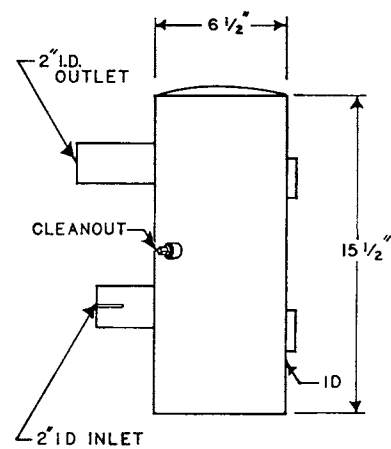
21721



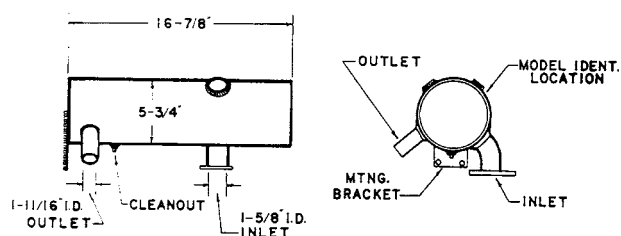
21758



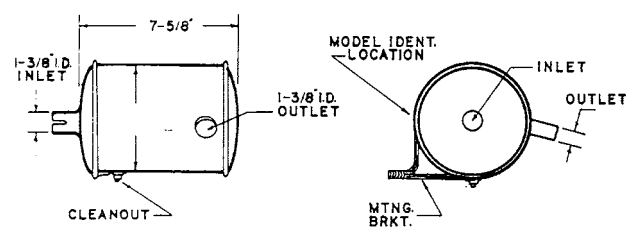
21800
21800A
21800C



21863



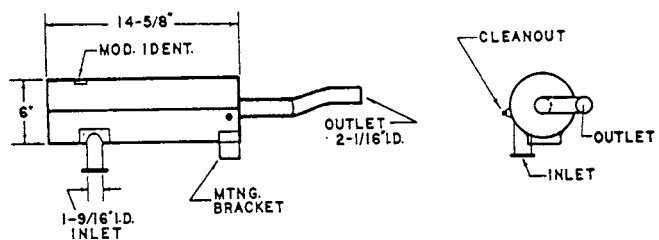
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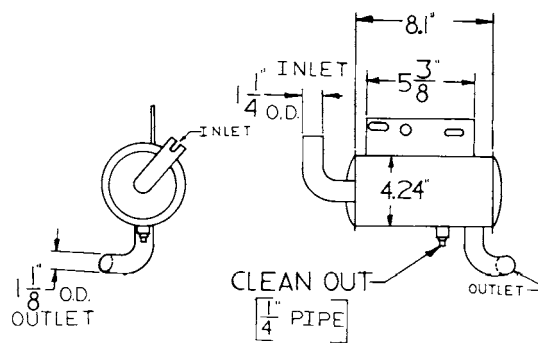
21928

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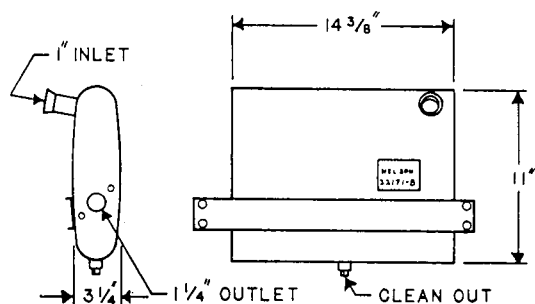
NELSON



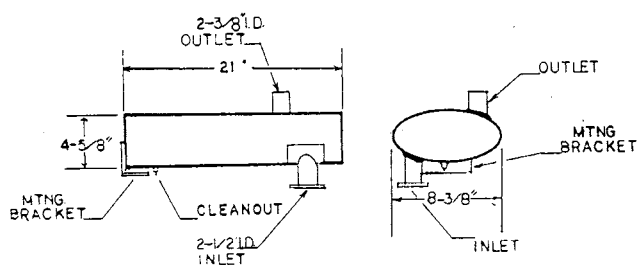
21950
21950B



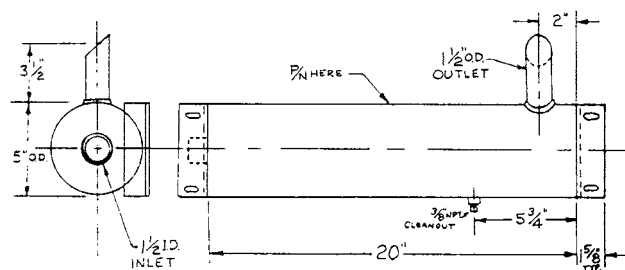
22157
16362



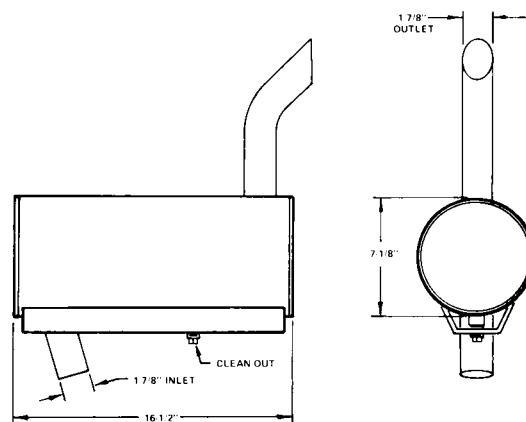
22171B



22255



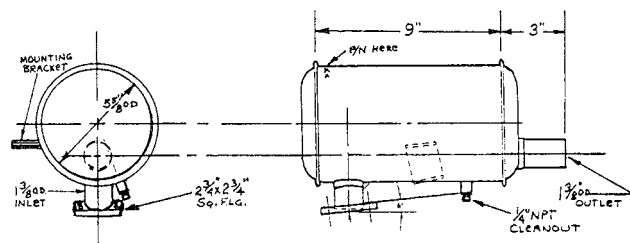
22389



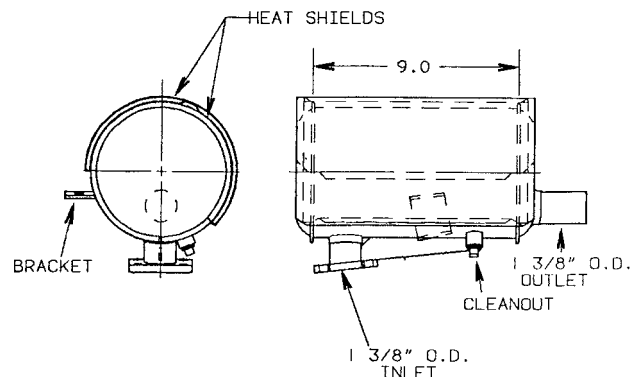
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20608

NELSON

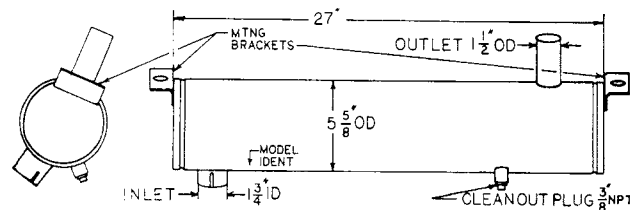
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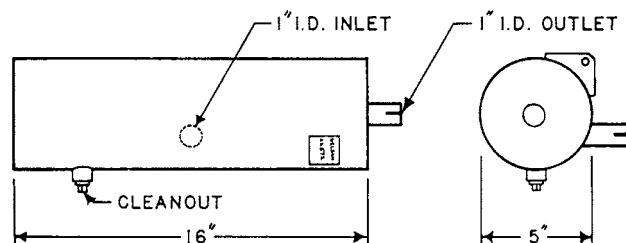
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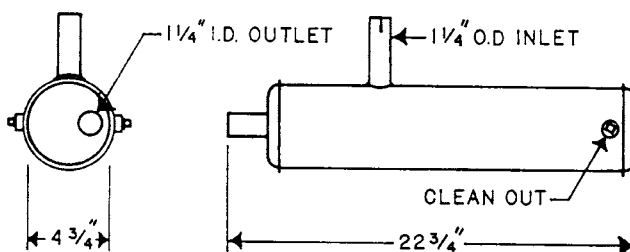
22506A



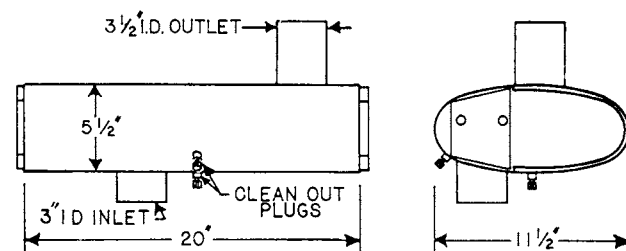
22627
24304



22671
22672



22755

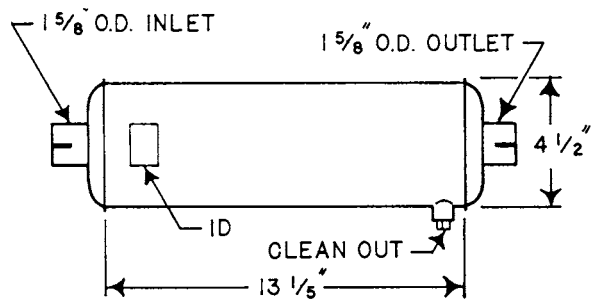


22807A

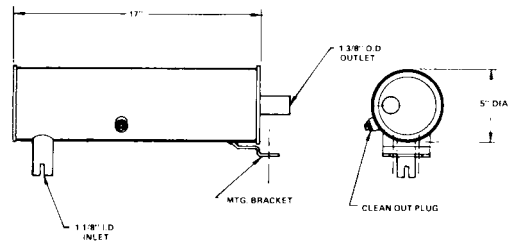
Nelson 22737—see Kohler 278224
 Nelson 22755—see Kohler 279724
 Nelson 22777—see Kohler 278223
 Nelson 22801A—see modified Nelson
 22171B

NELSON

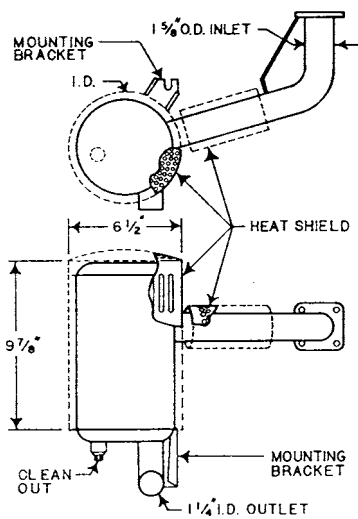
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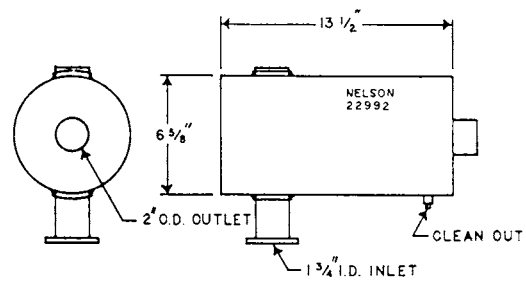
22823



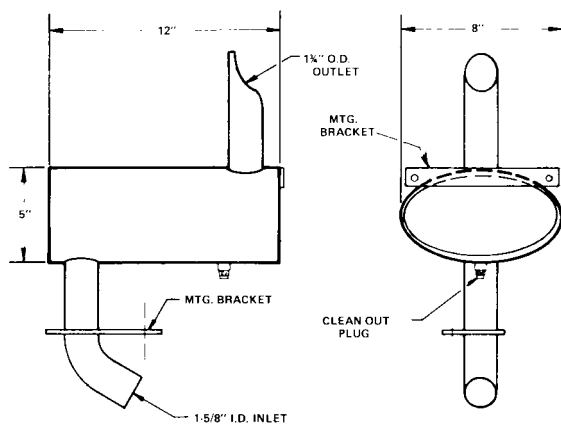
**22904
19820
20665**



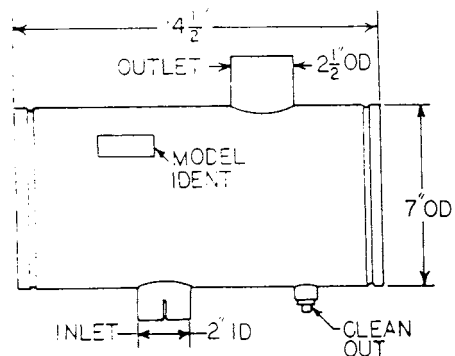
22917



**22992
22992A**



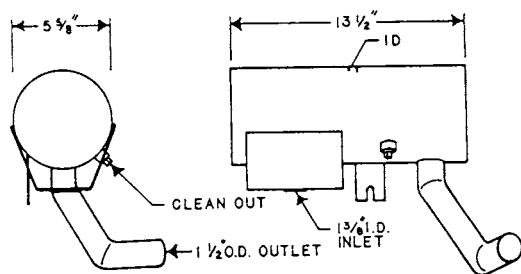
**23094
19382**



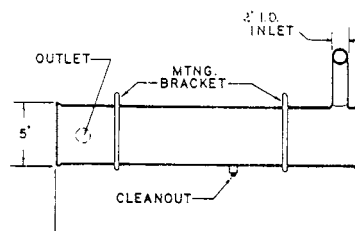
23096

NELSON

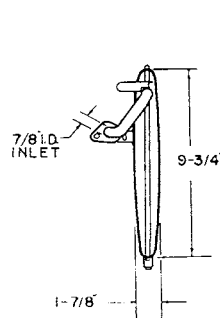
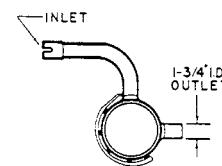
NELSON



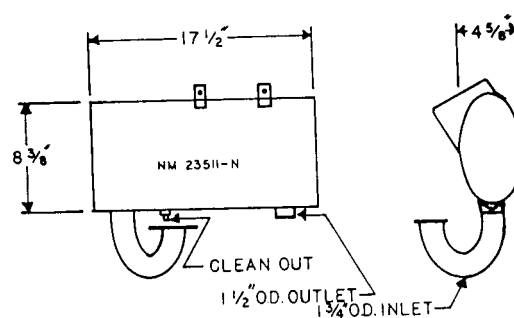
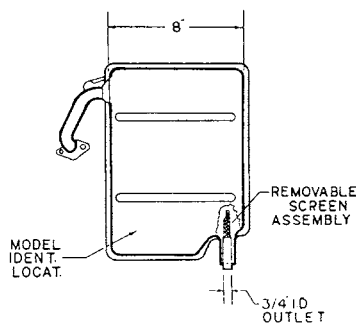
23137



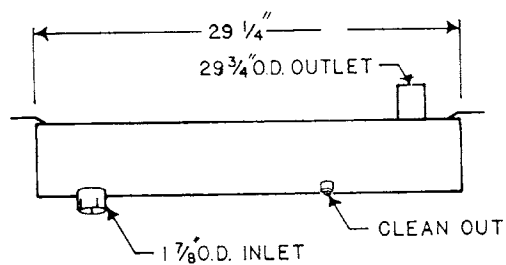
23162
21341



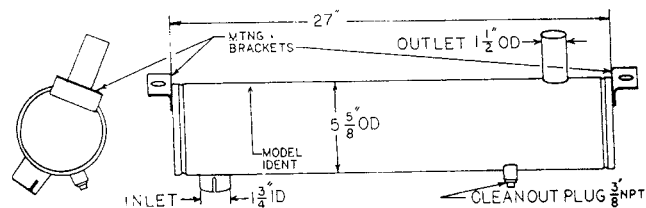
23259A
20578



23511A



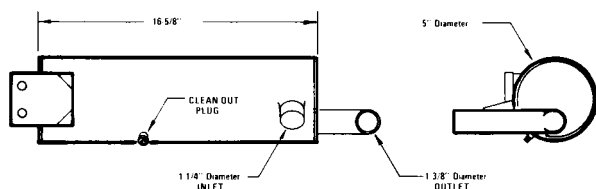
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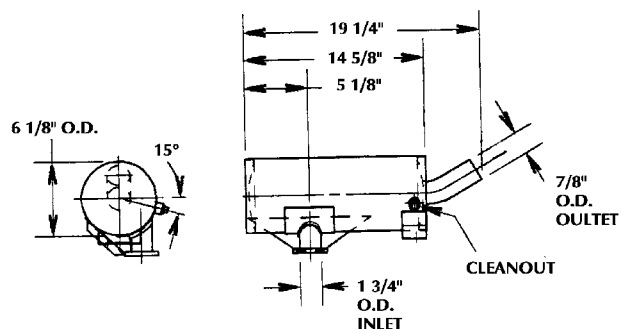
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NELSON

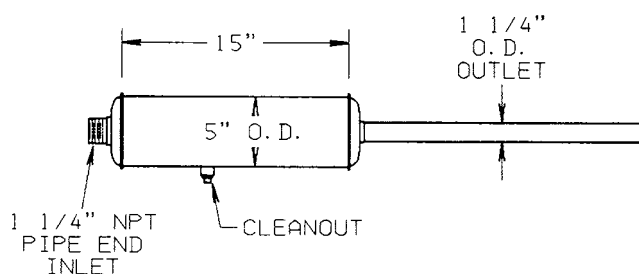
NELSON



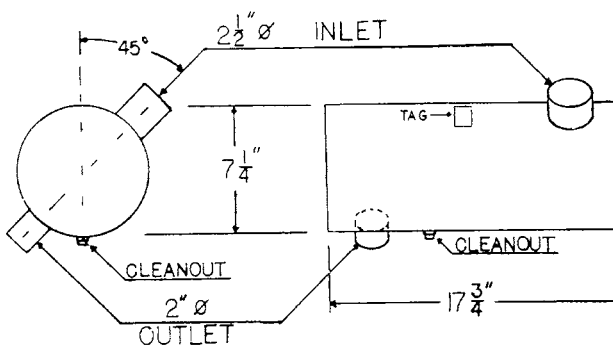
23718
20990
20990B



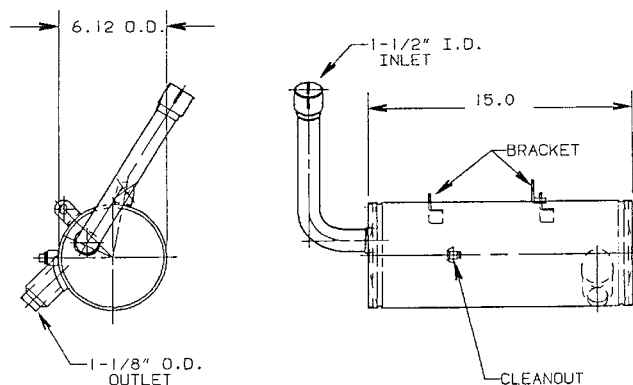
23746



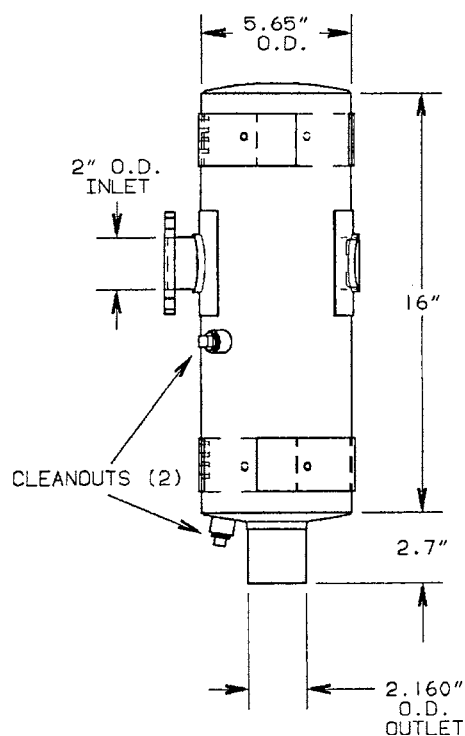
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23852



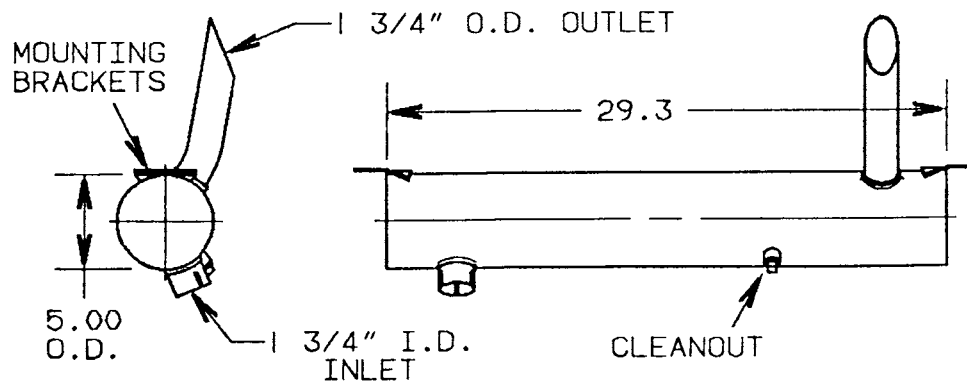
23860



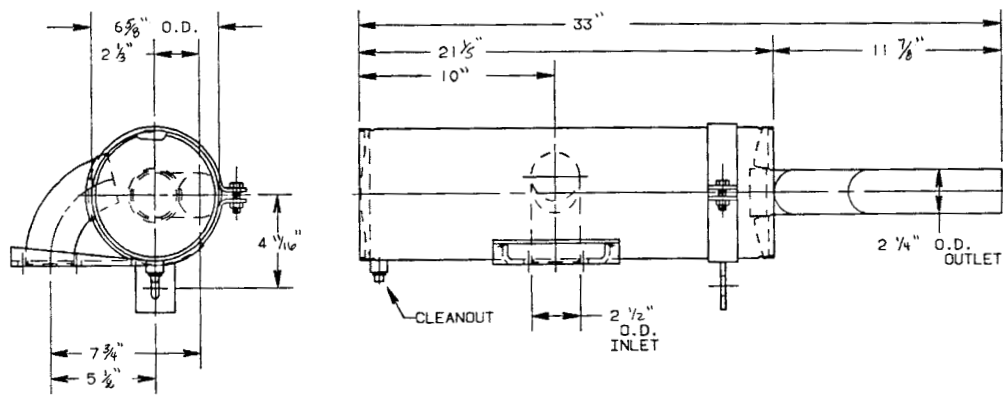
23893
INVERTED BODY

NELSON

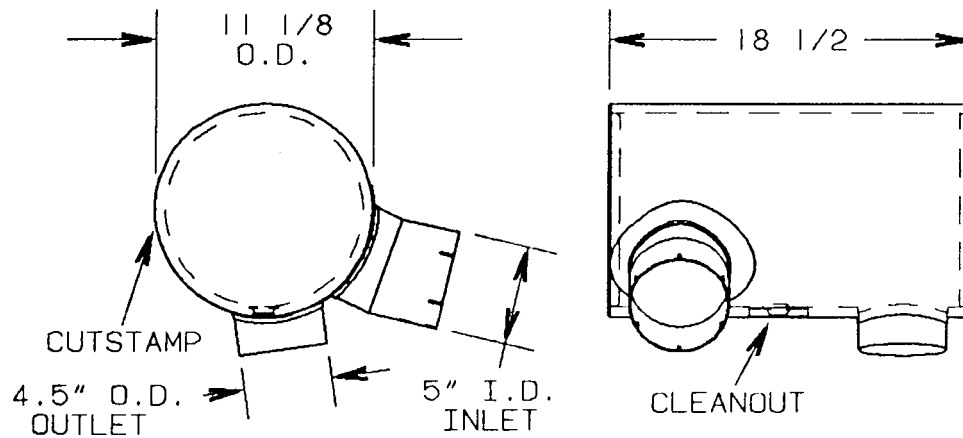
NELSON



24035



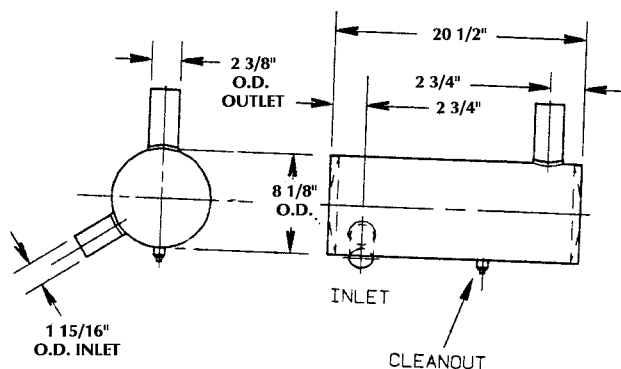
24083



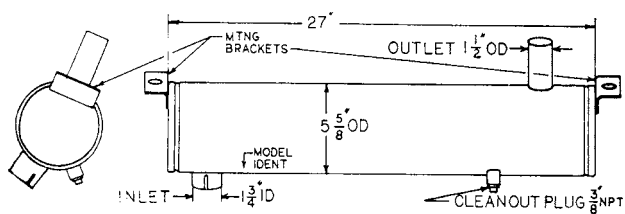
24148

NELSON

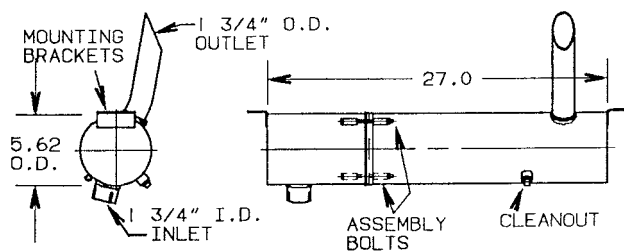
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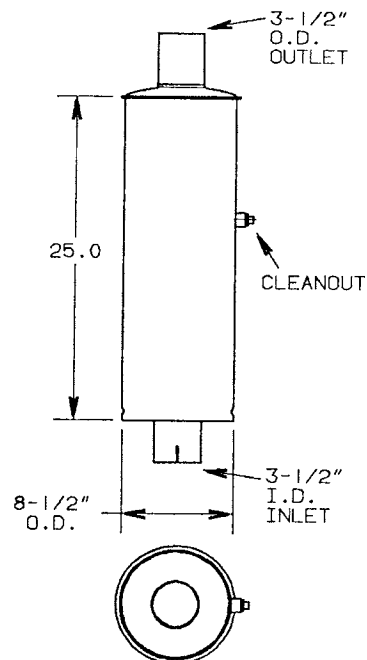
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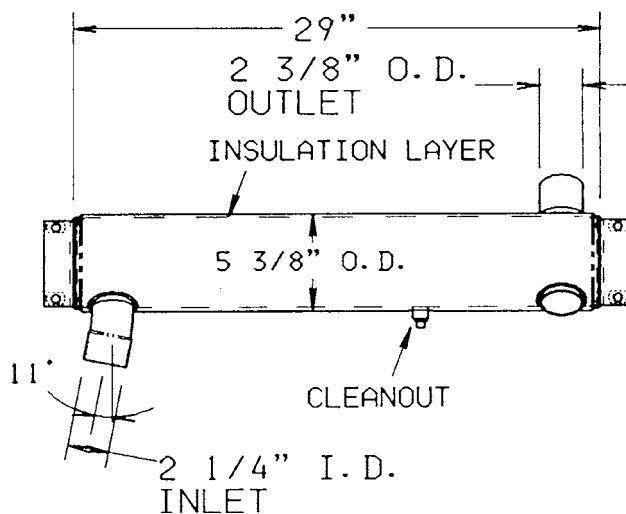
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22627



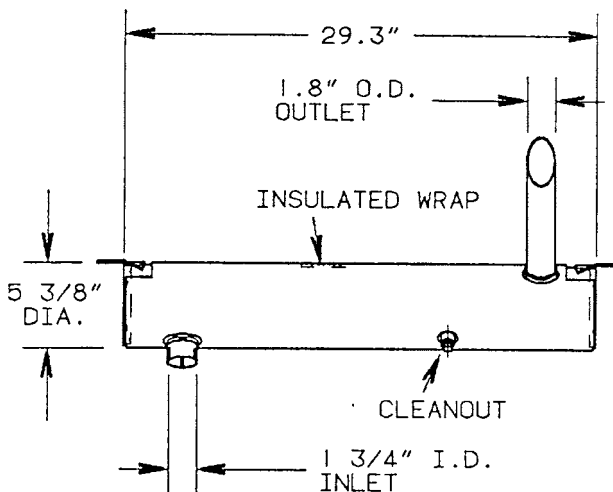
24379



24459



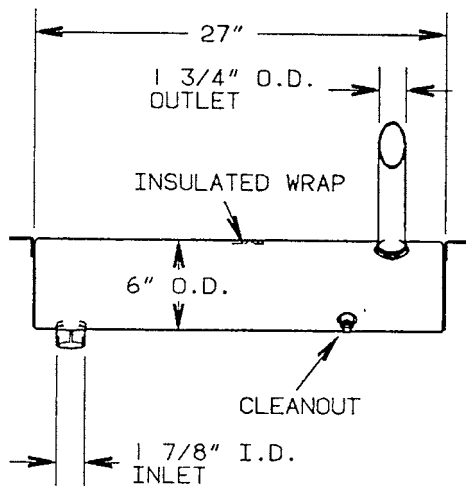
24707



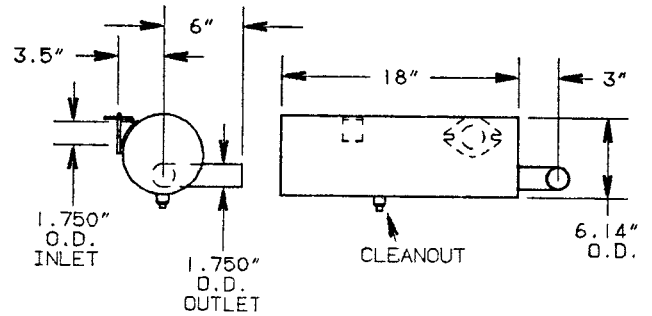
24710

NELSON

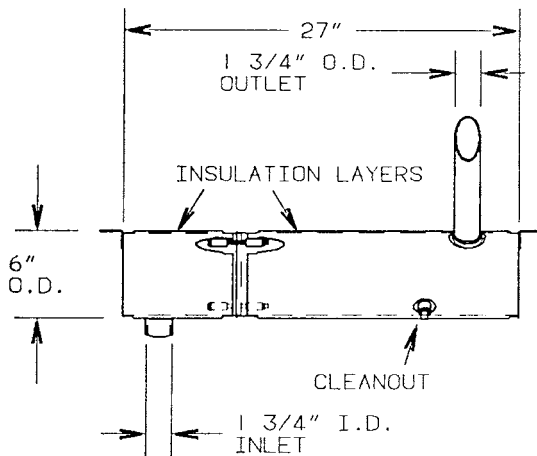
NELSON



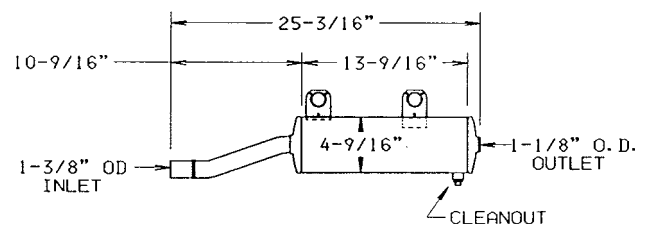
24711



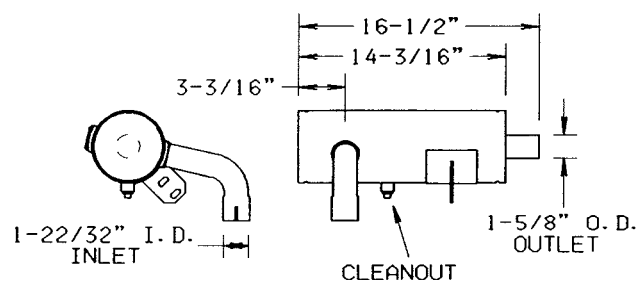
24745



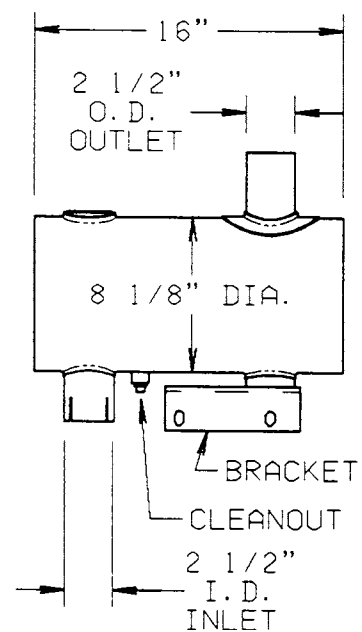
24752



24756N



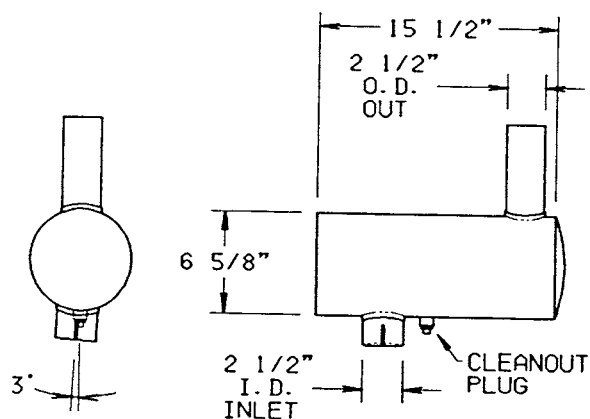
24800



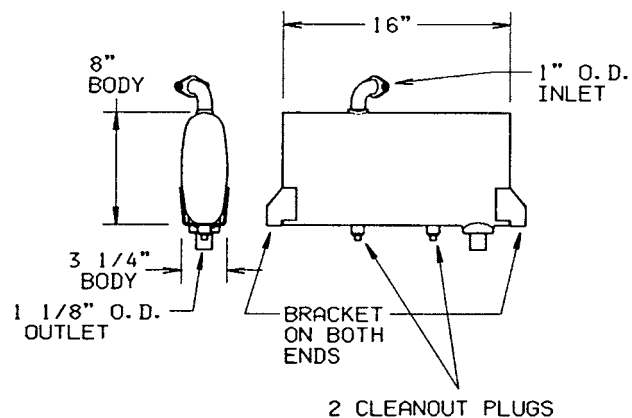
24839

NELSON

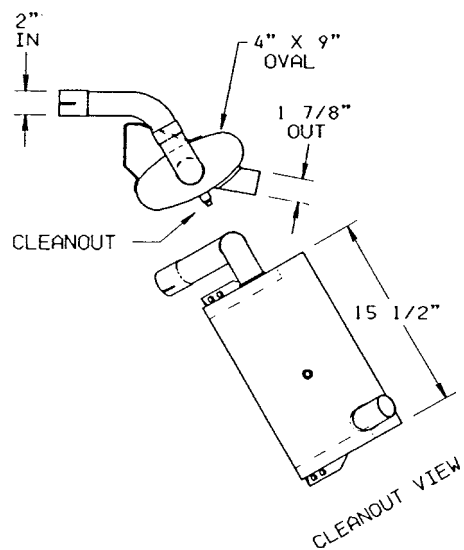
NELSON



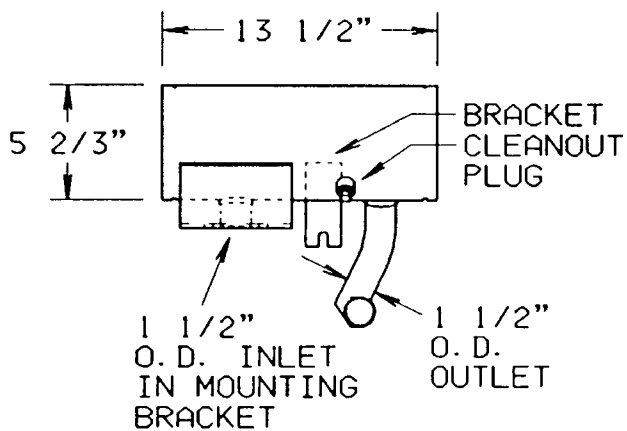
24842



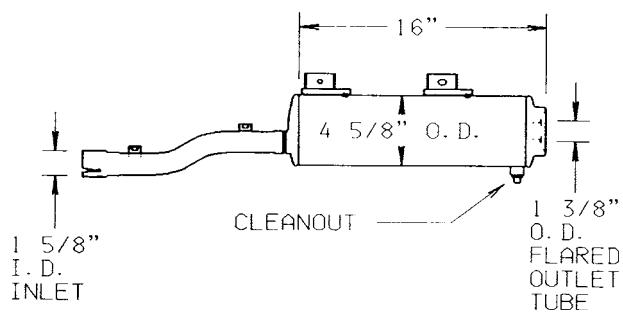
24866B



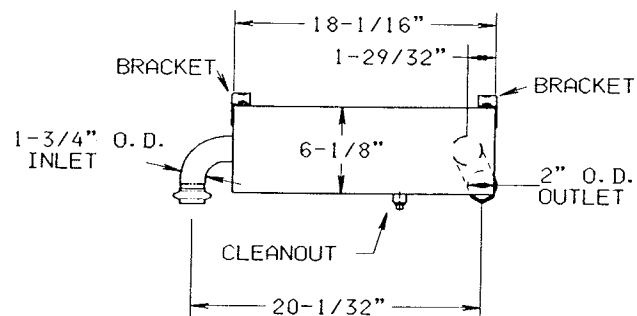
24931



24953



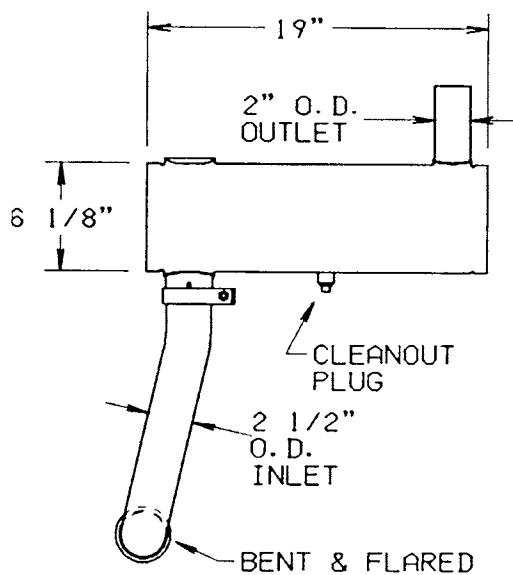
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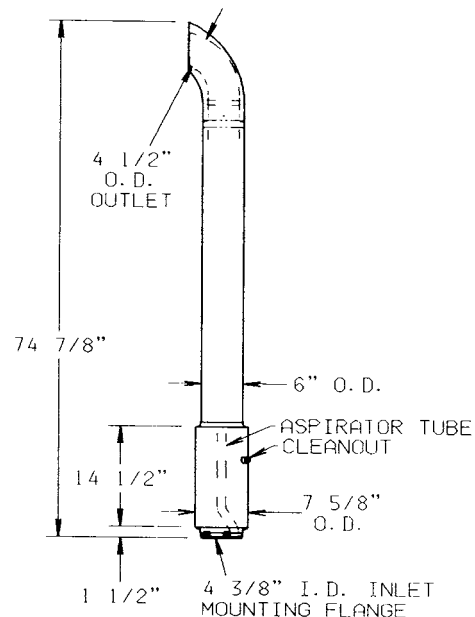
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NELSON

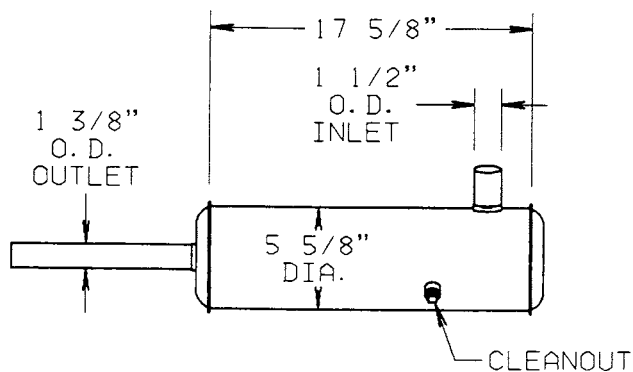
NELSON



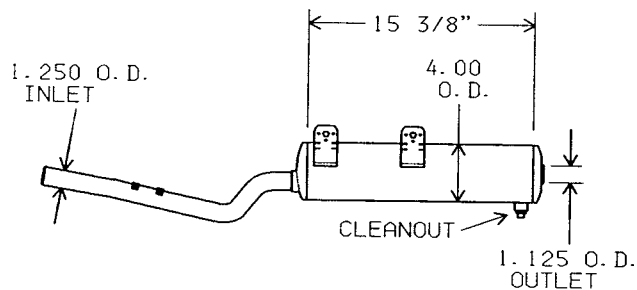
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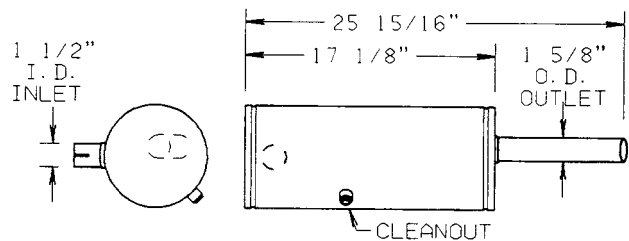
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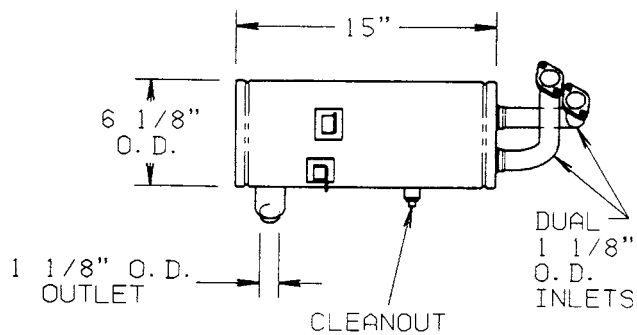
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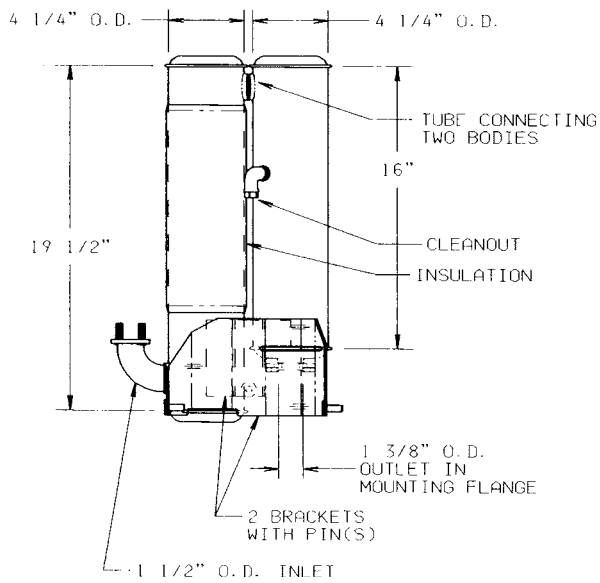
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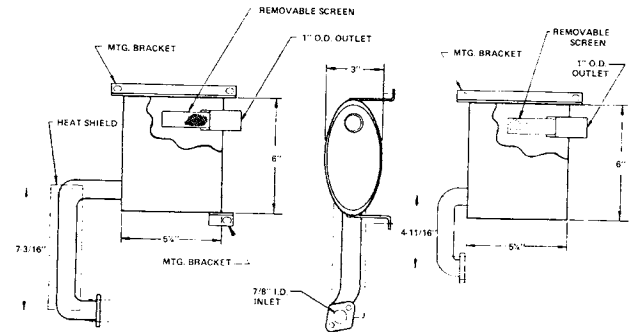
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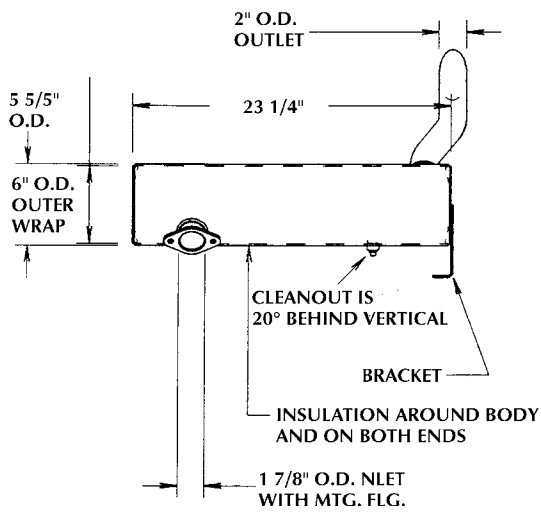
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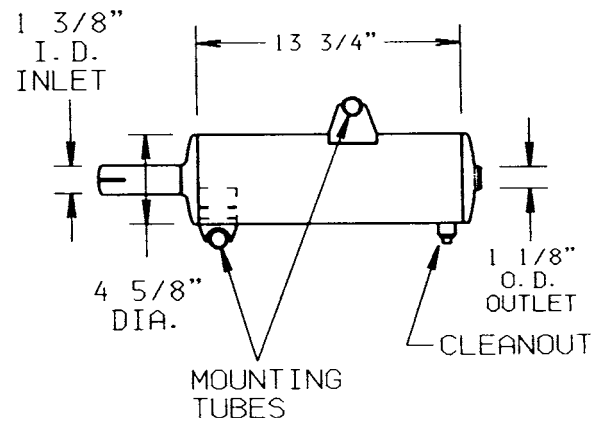
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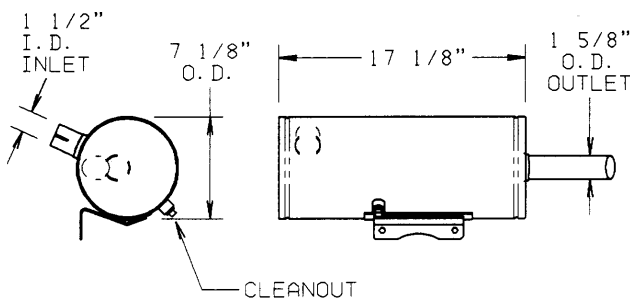
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SCREEN
ASSEMBLY**



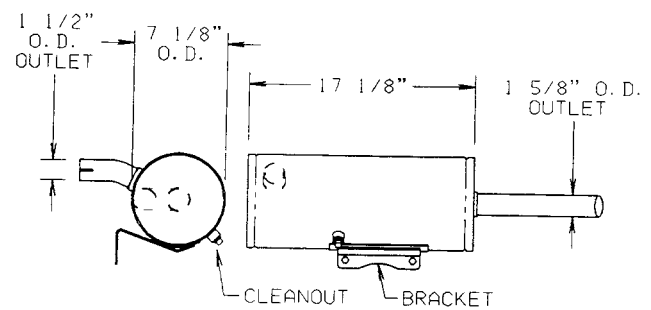
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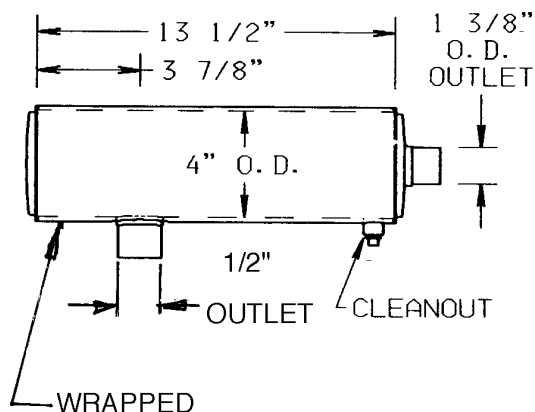
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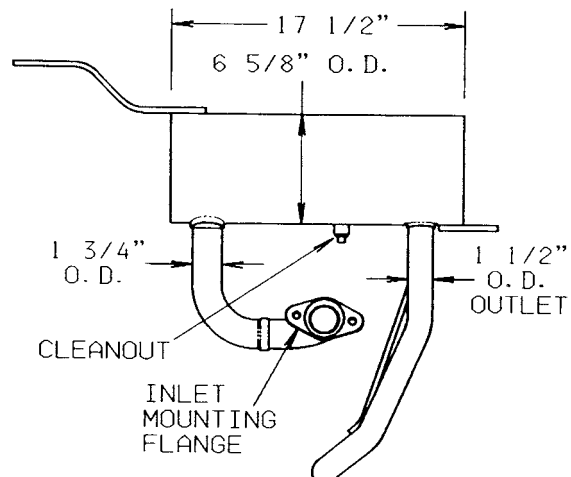
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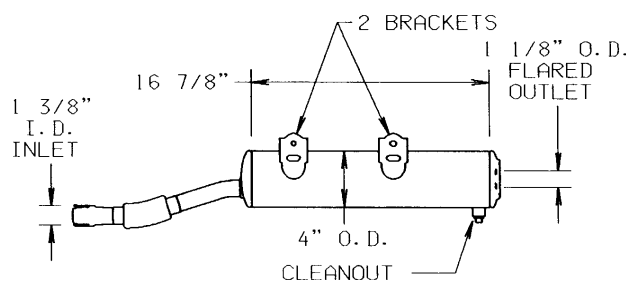
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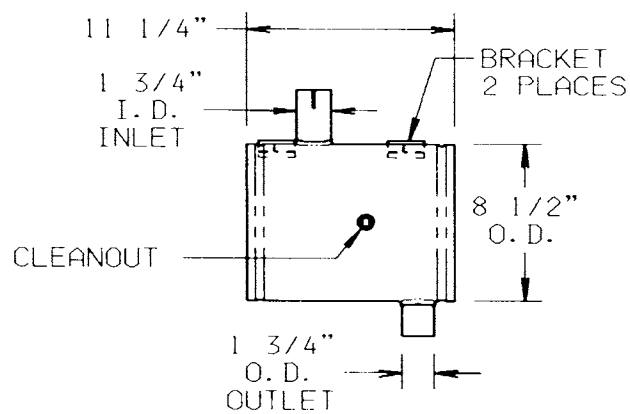
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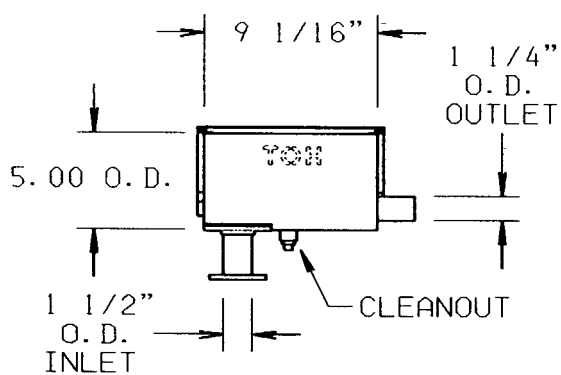
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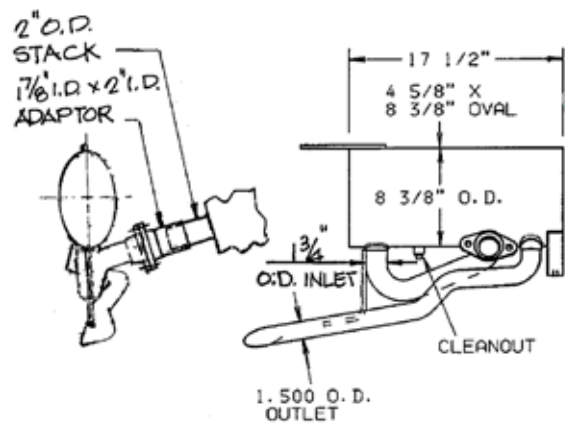
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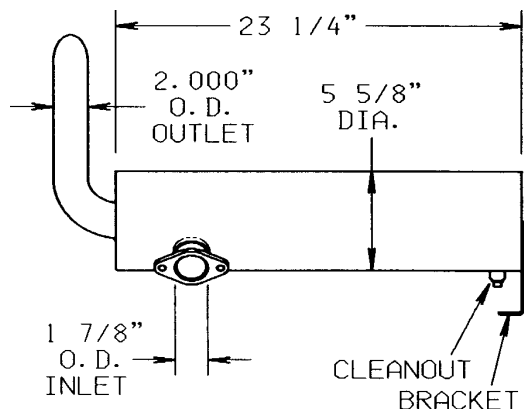
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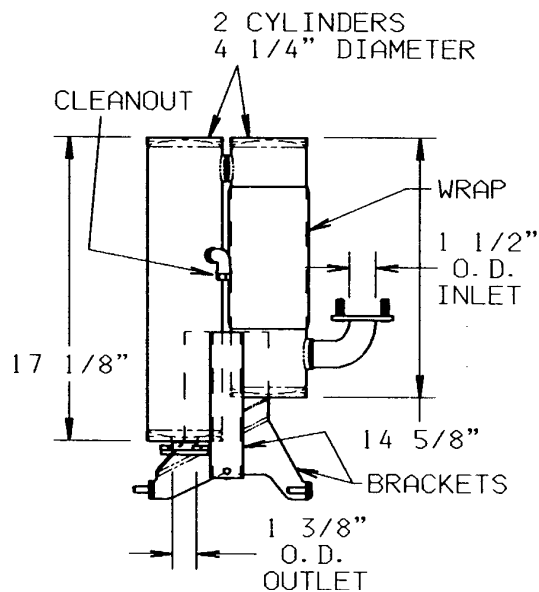
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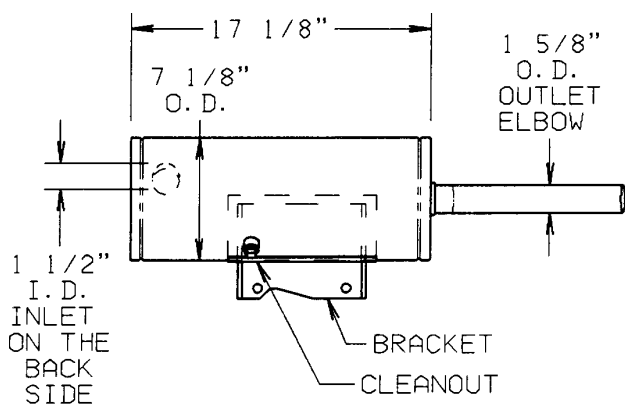
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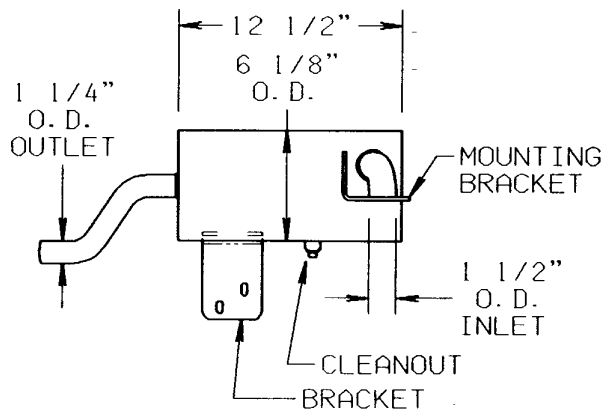
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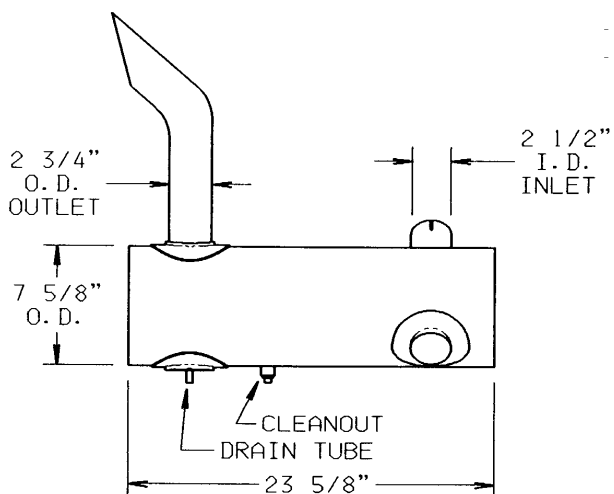
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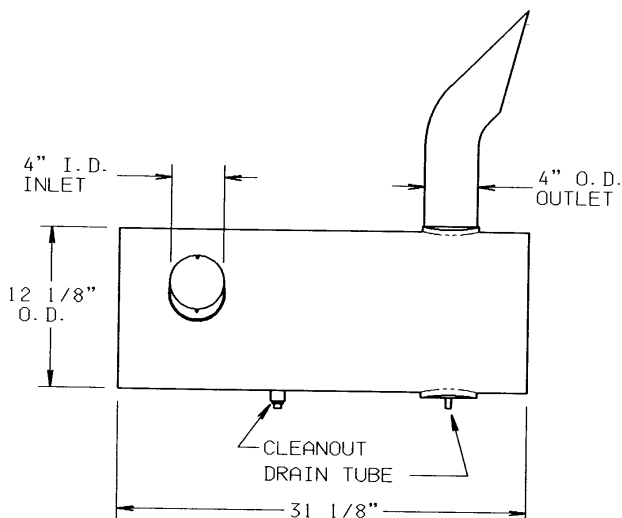
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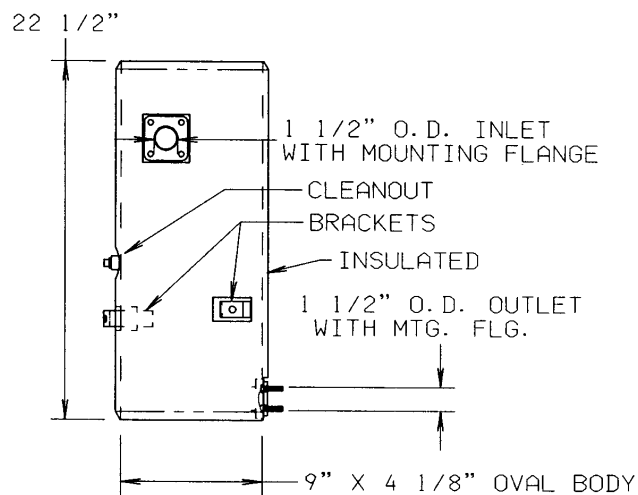
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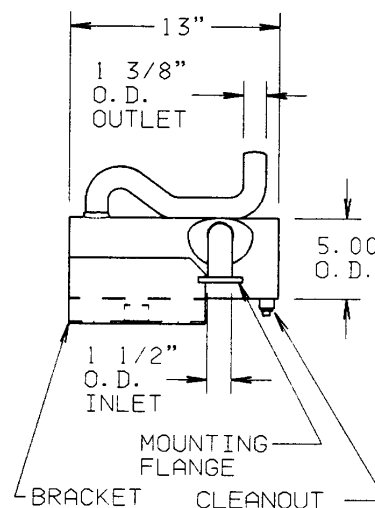
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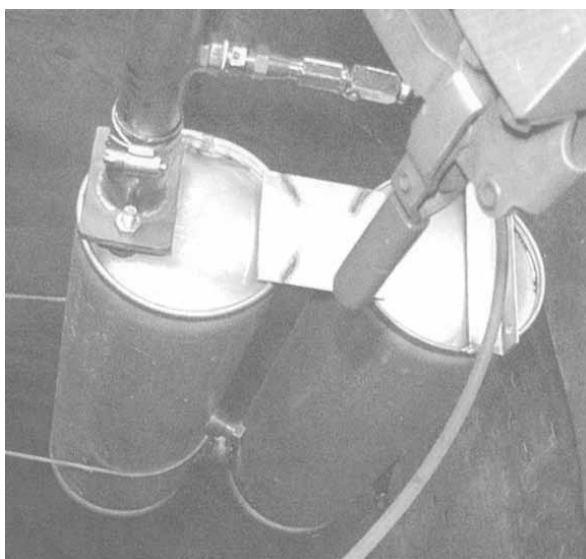
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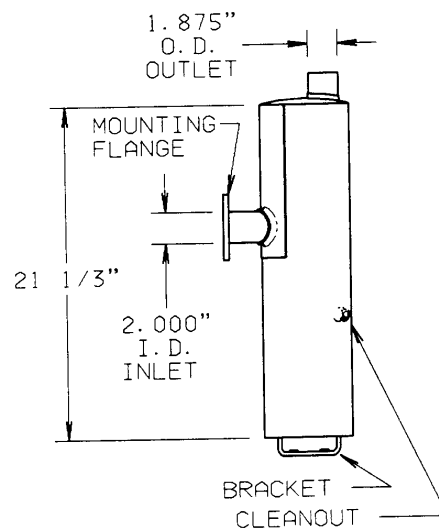
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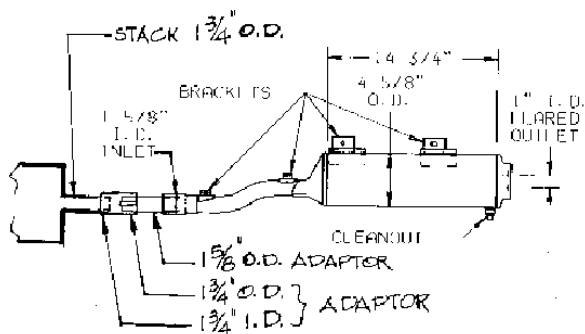
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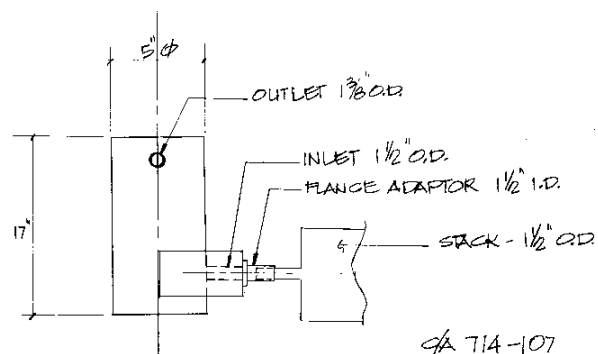
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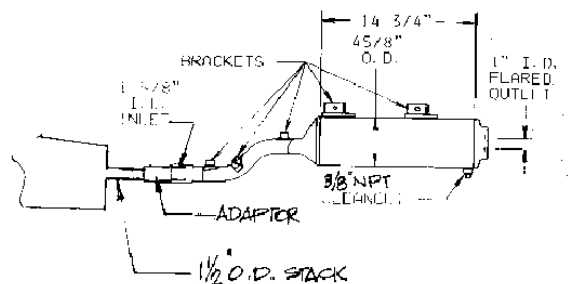
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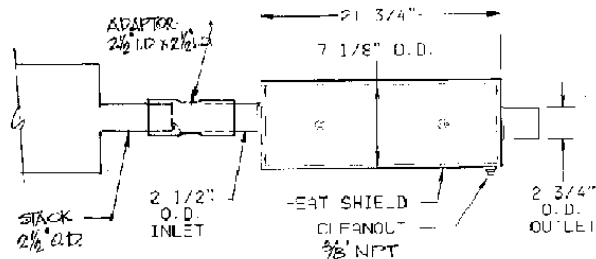
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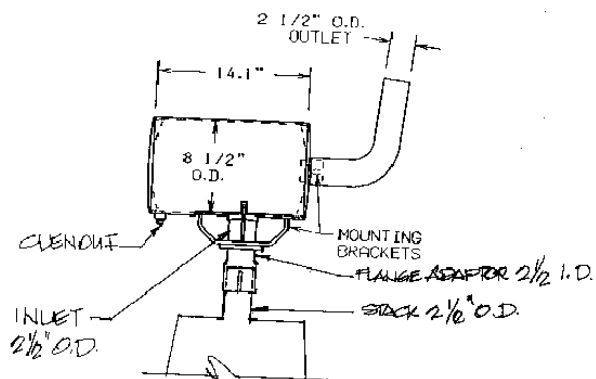
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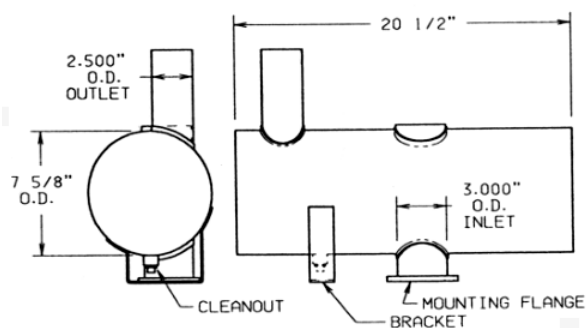


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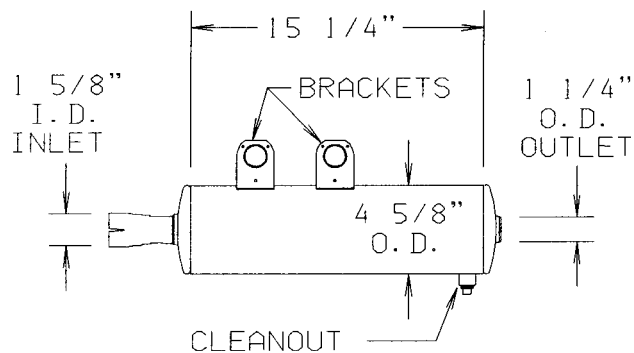


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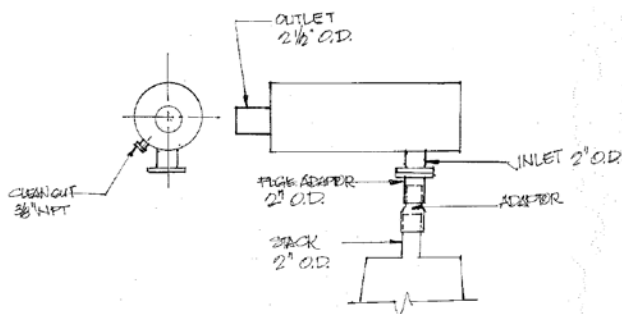
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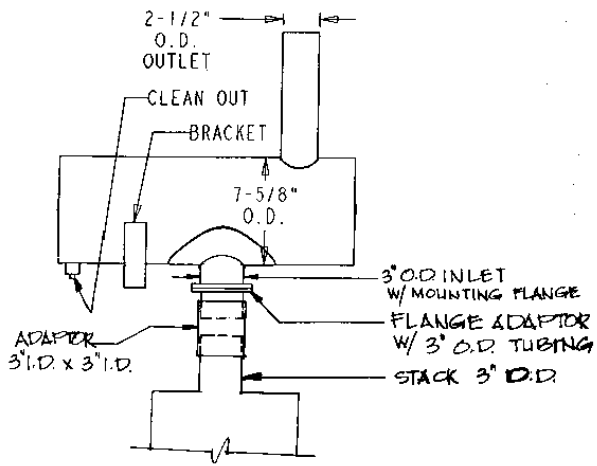
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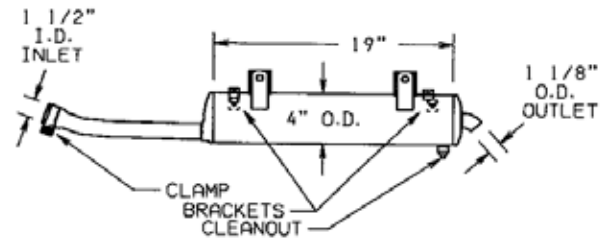
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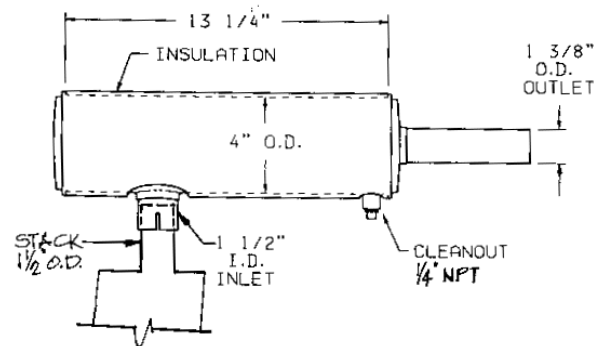
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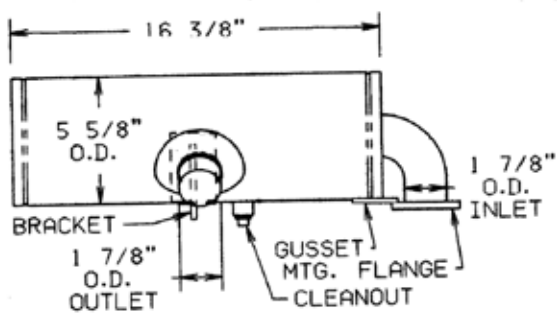
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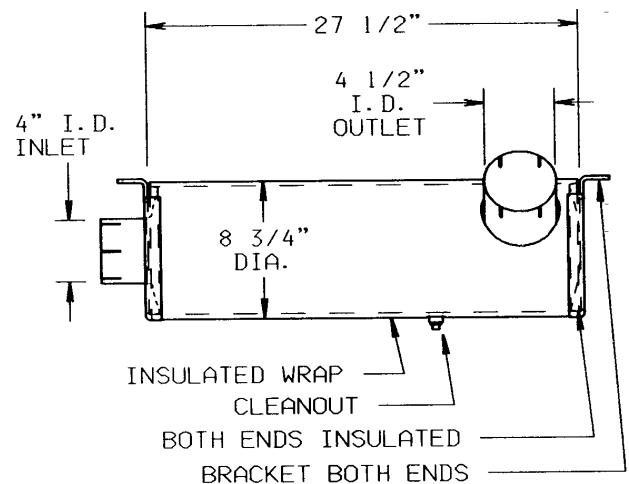
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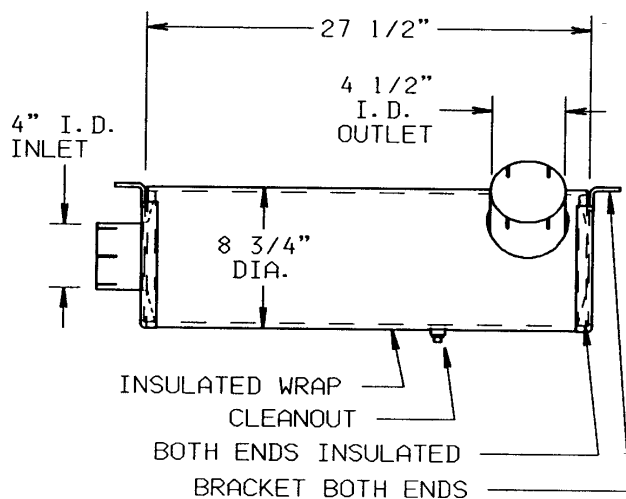
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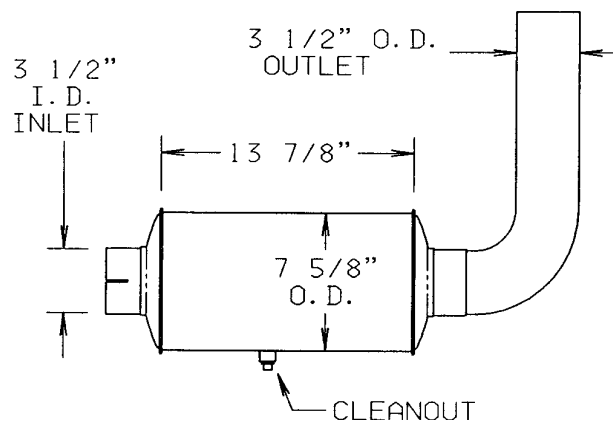
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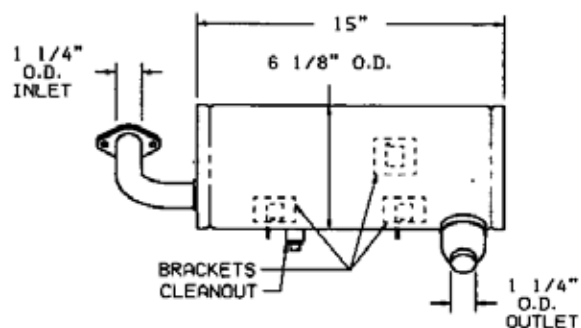
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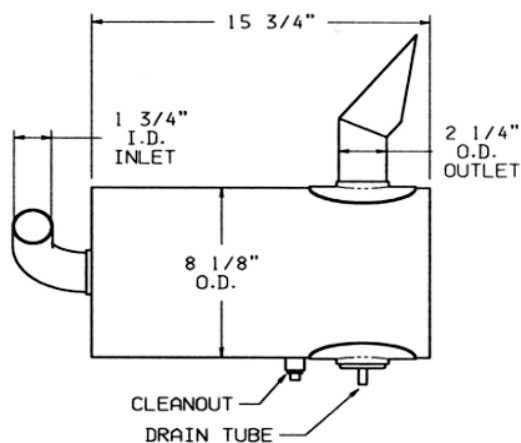
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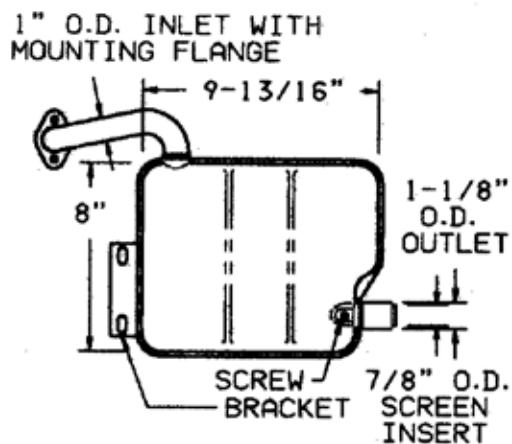
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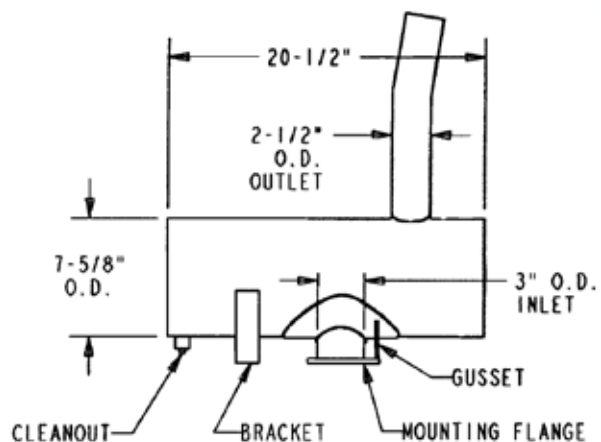
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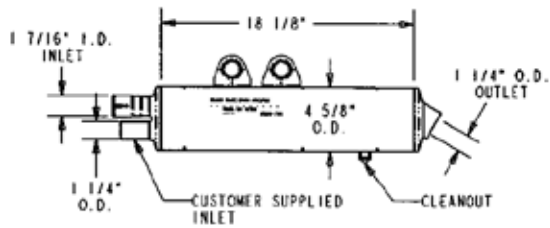
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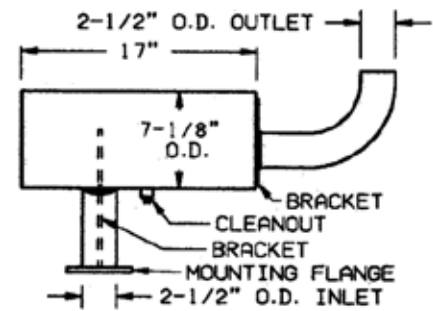
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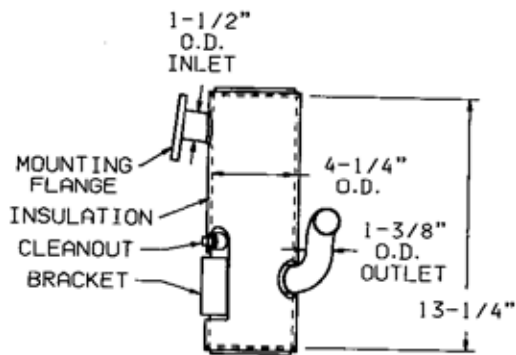
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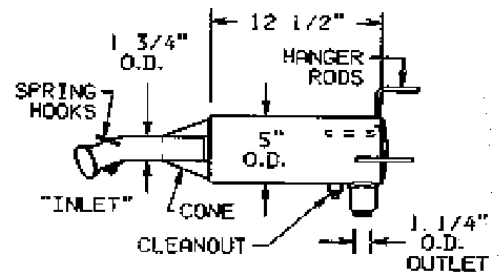
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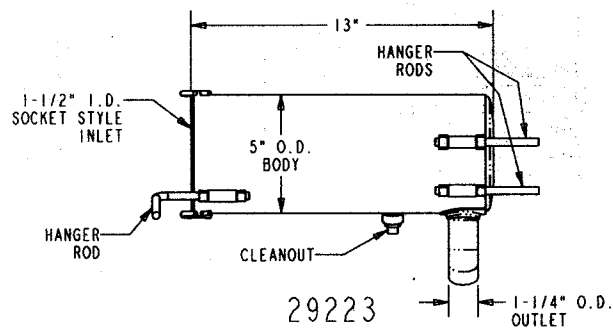
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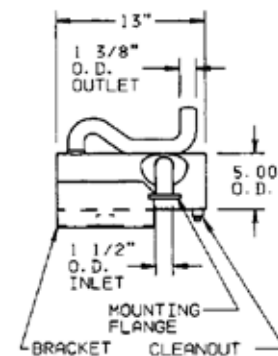
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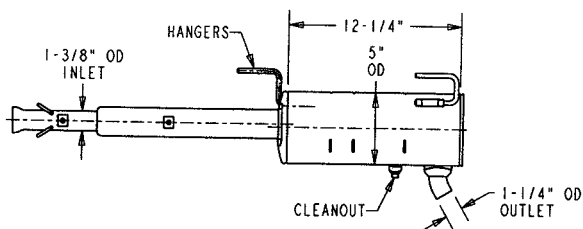
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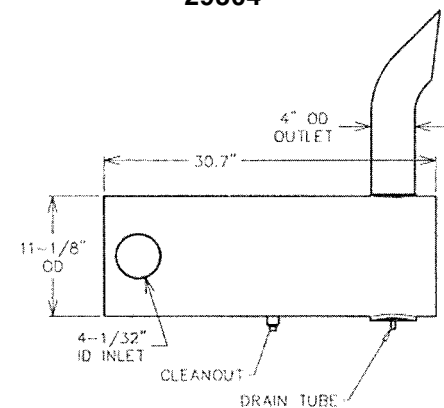
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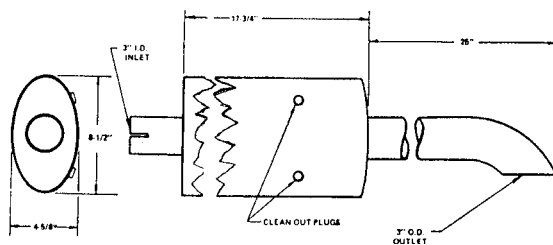
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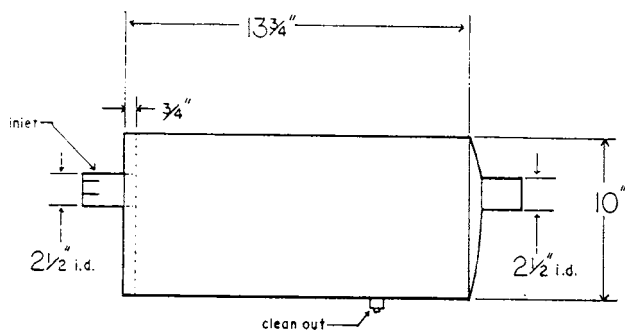
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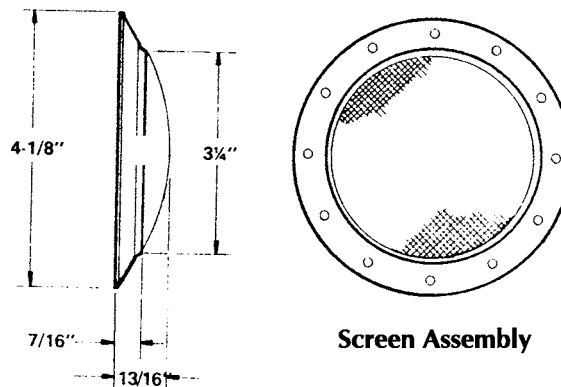
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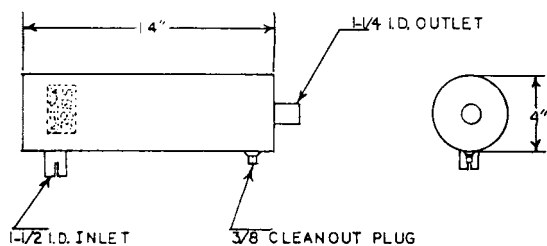
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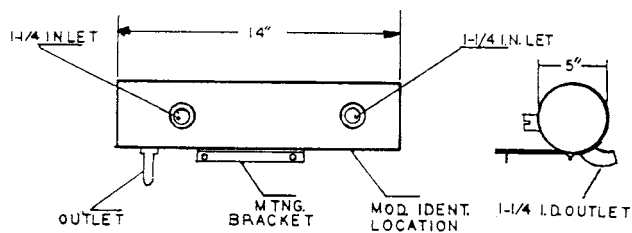
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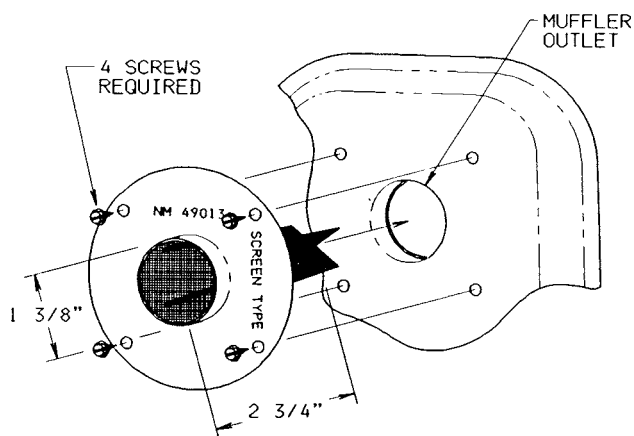
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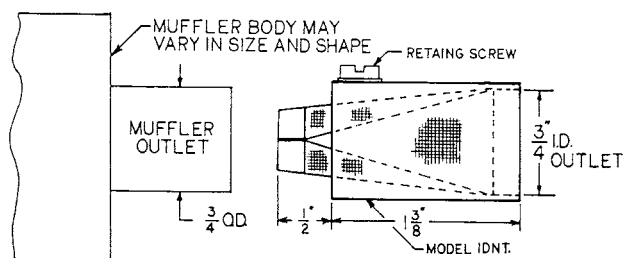
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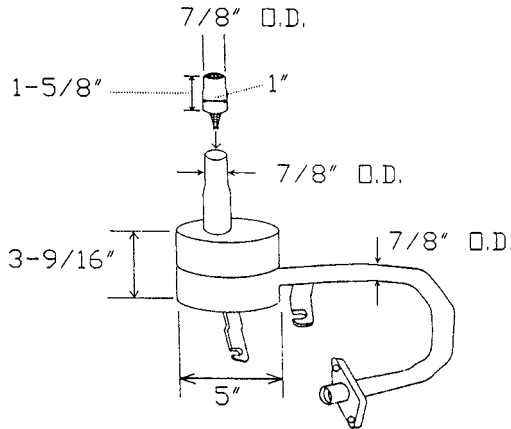
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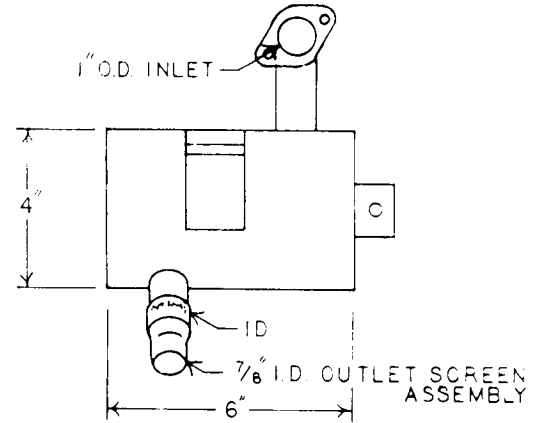
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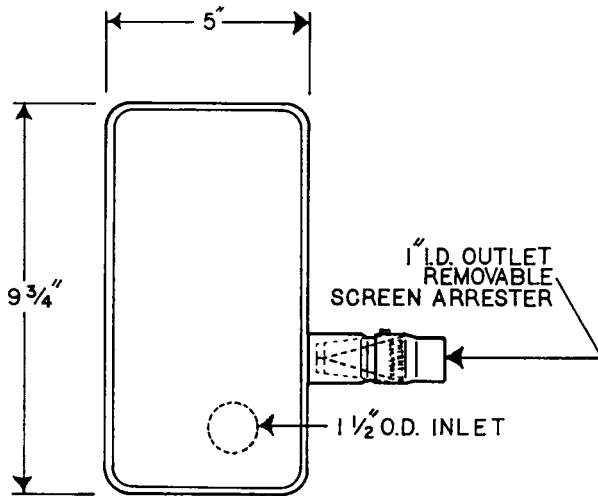
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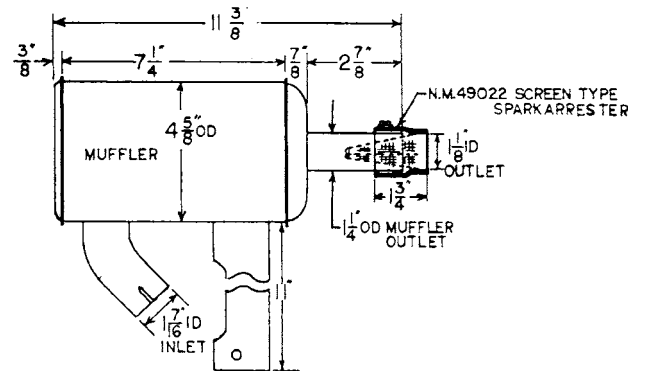
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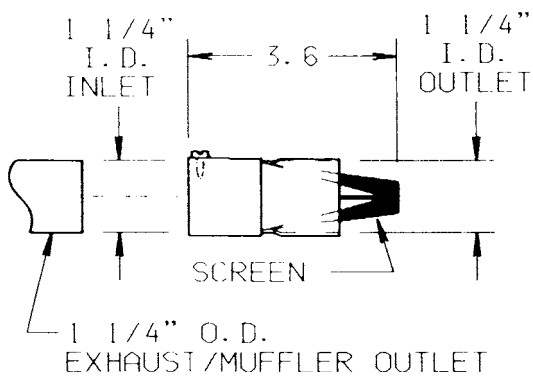
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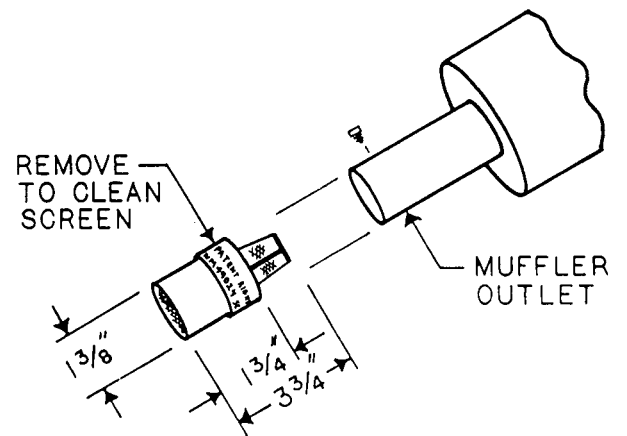
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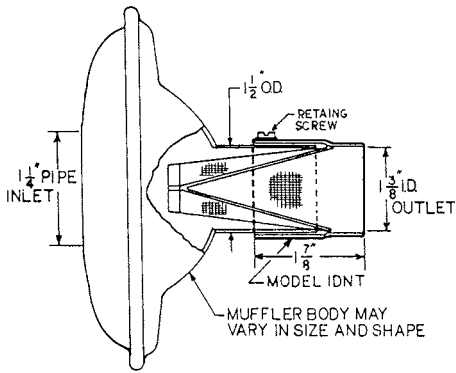
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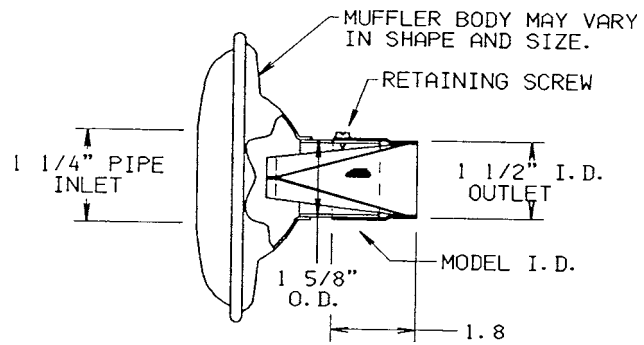
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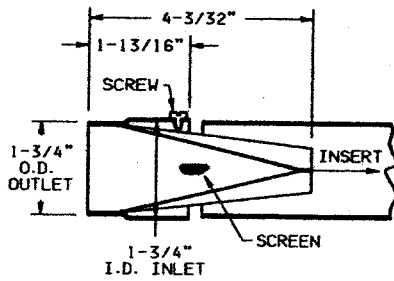
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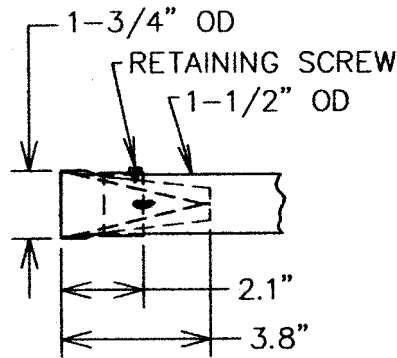
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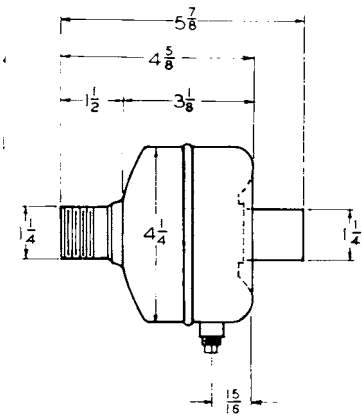
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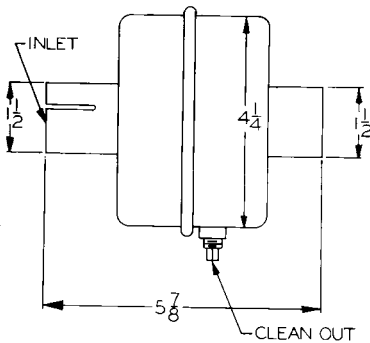
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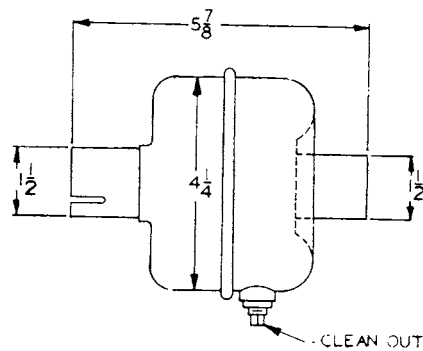
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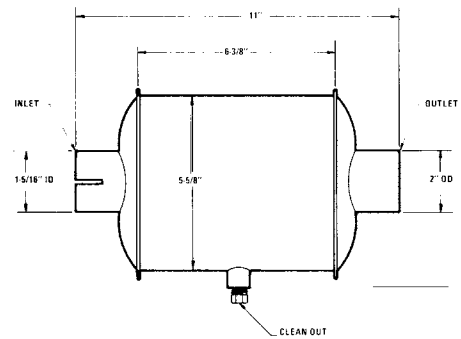
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T-9458



49114
T-14123



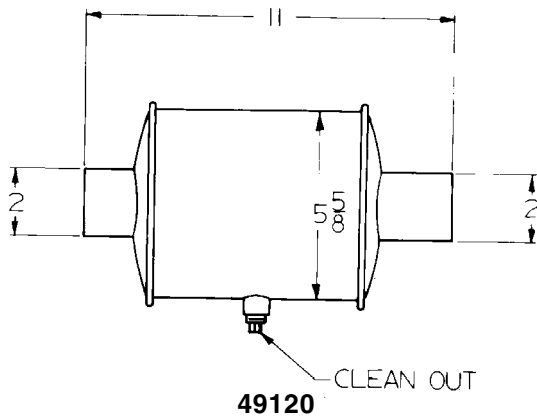
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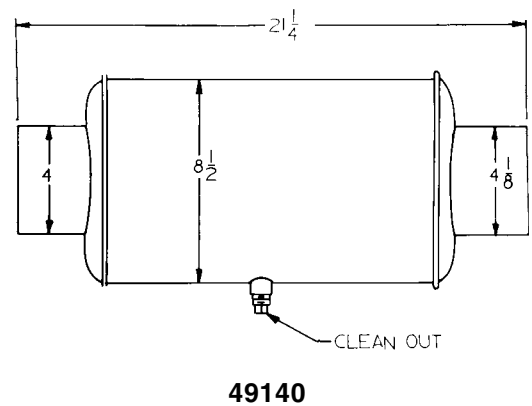
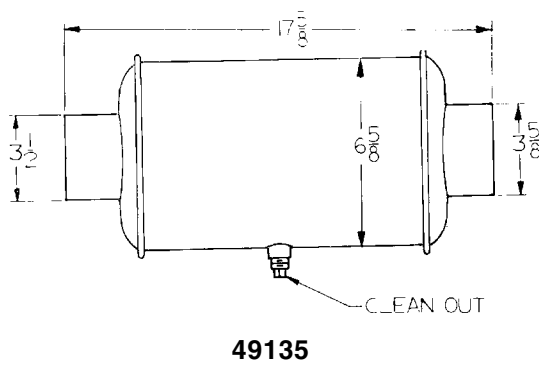
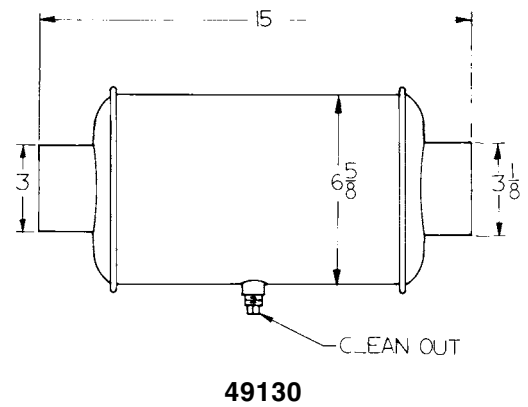
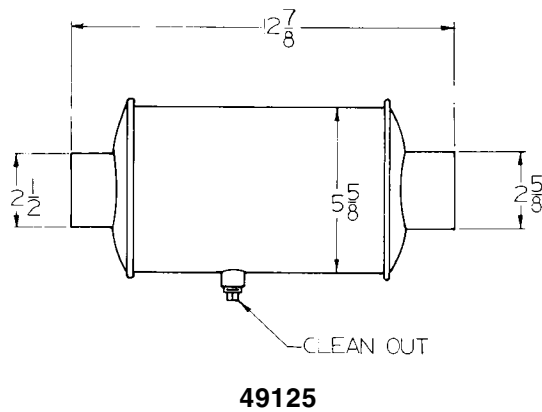
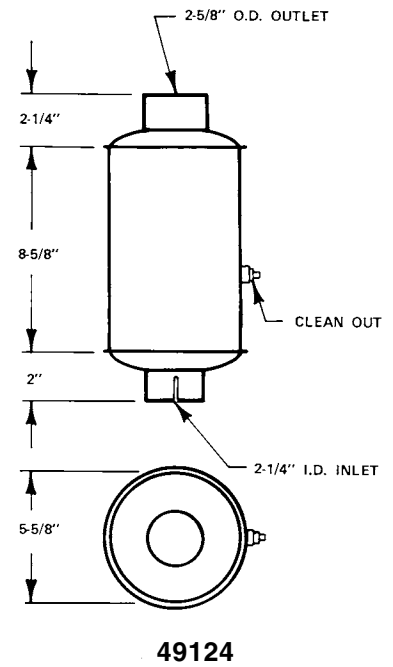
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NELSON

NELSON

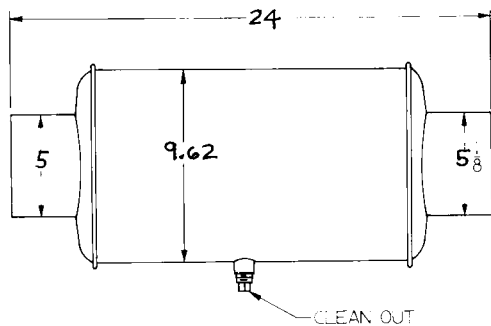


Nelson 49120F—see 49120
 Inlet may vary 2" I.D. to 2-1/4" I.D.
 Outlet may vary 2" O.D. to 2-1/4" I.D.

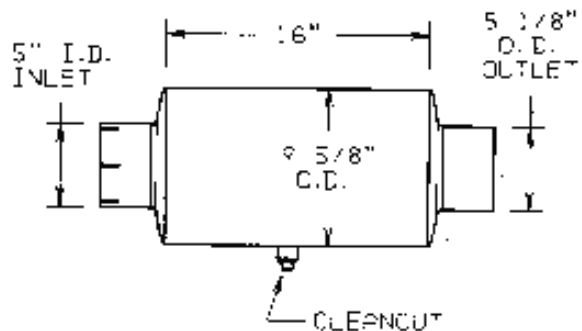


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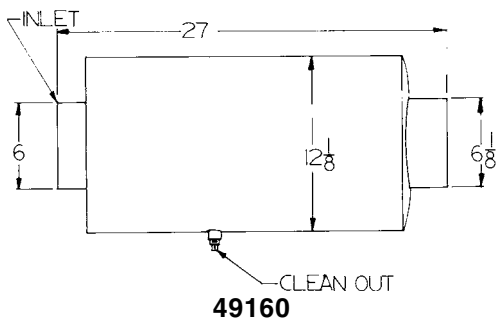
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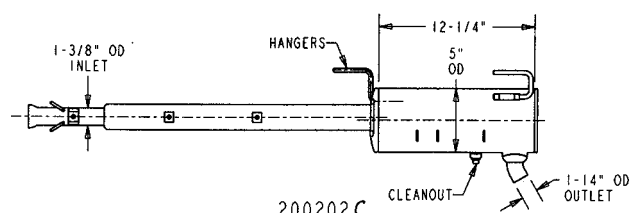
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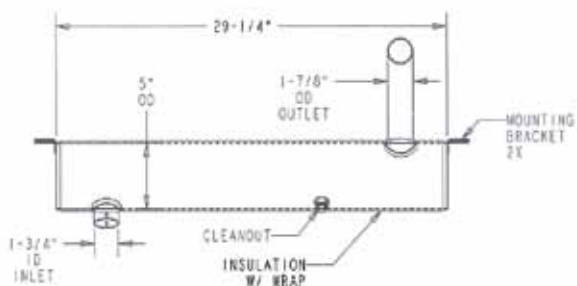
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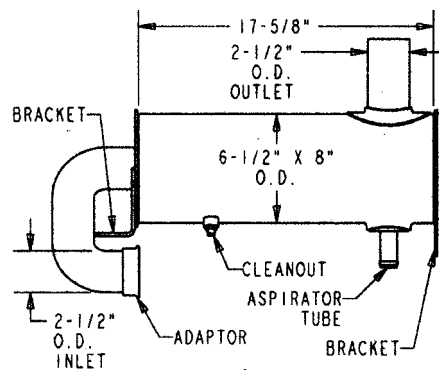
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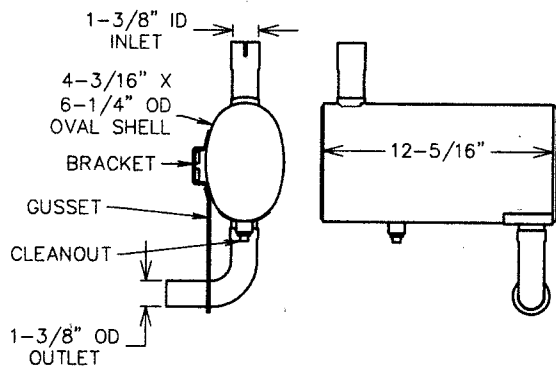
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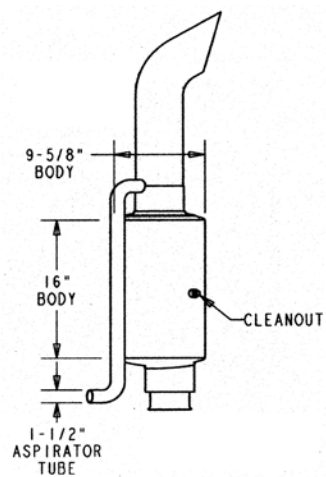
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201435



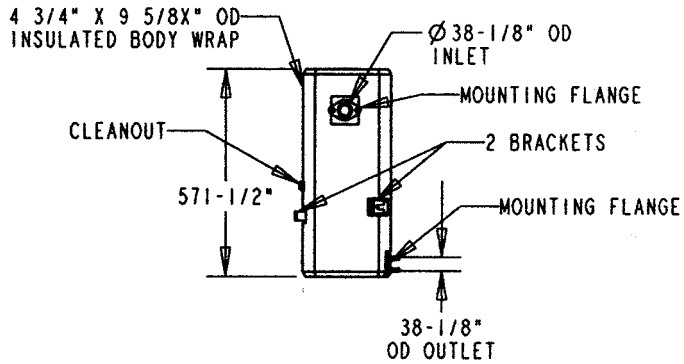
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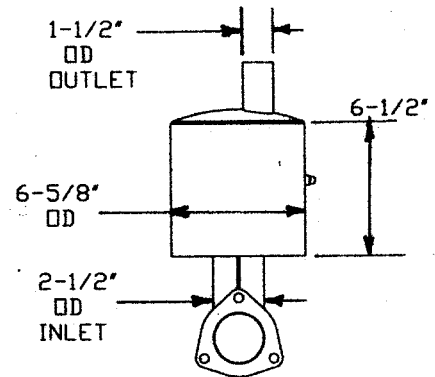
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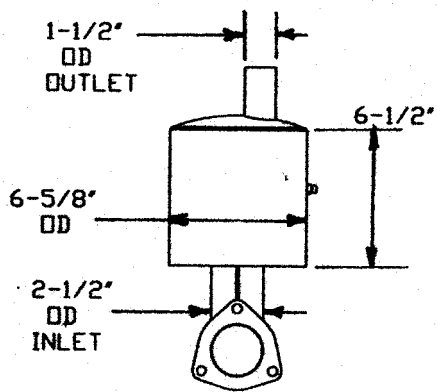
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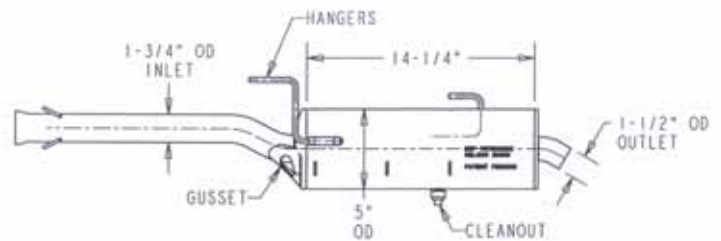
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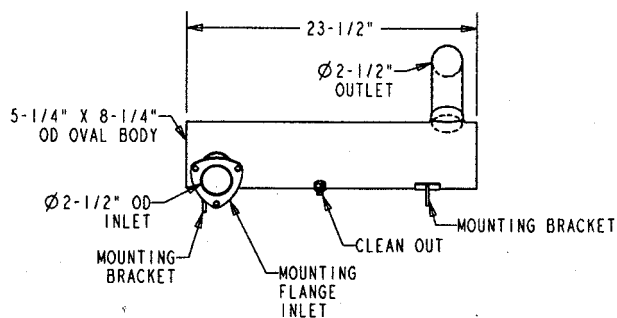
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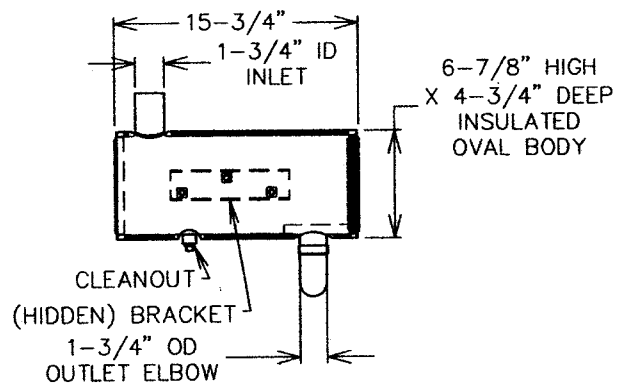
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201819



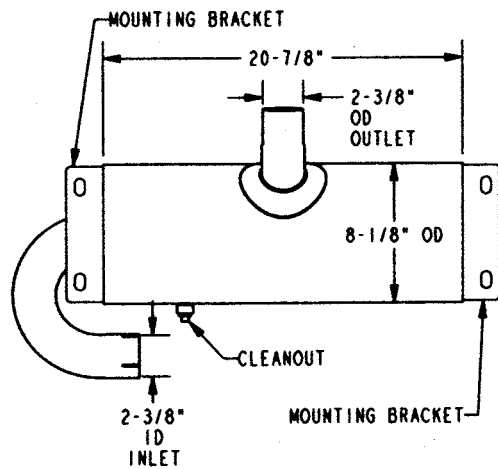
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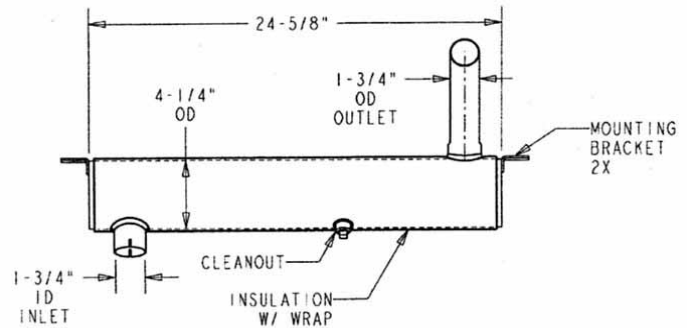
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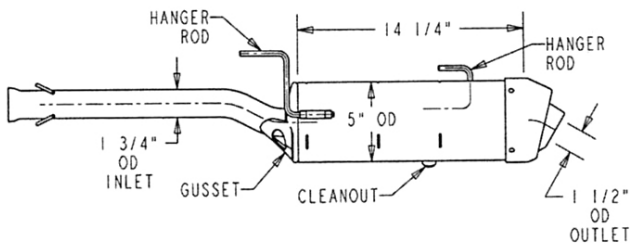
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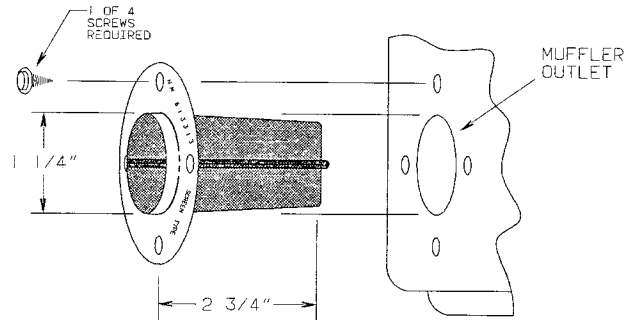
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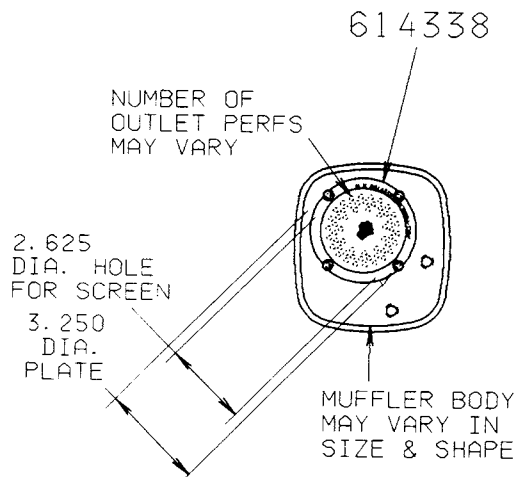
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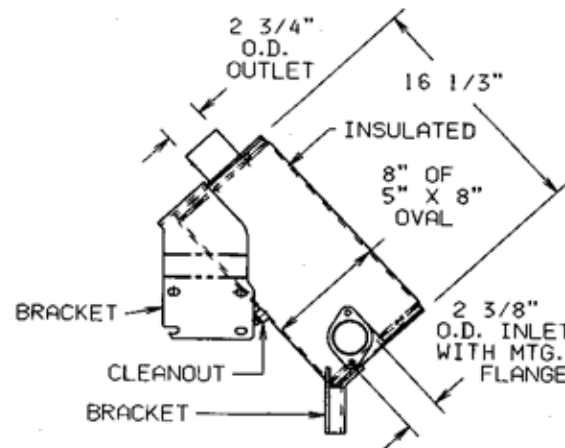
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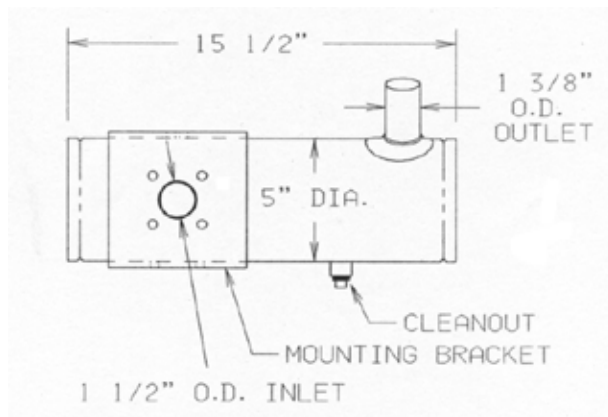
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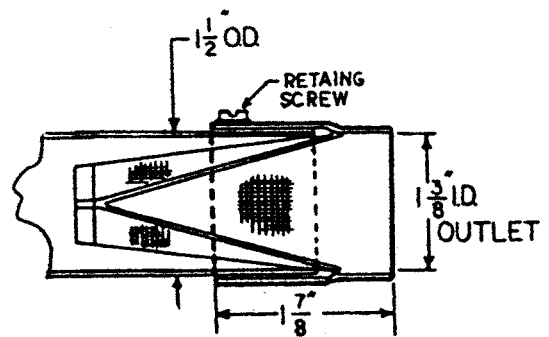
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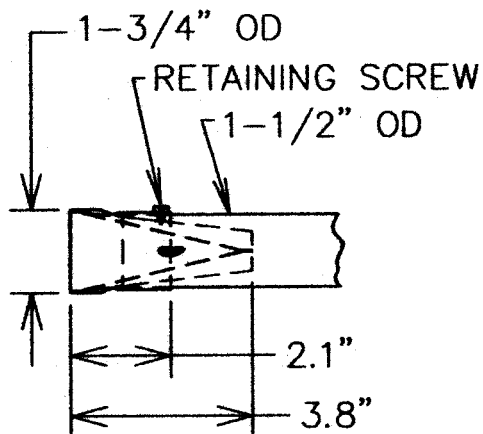
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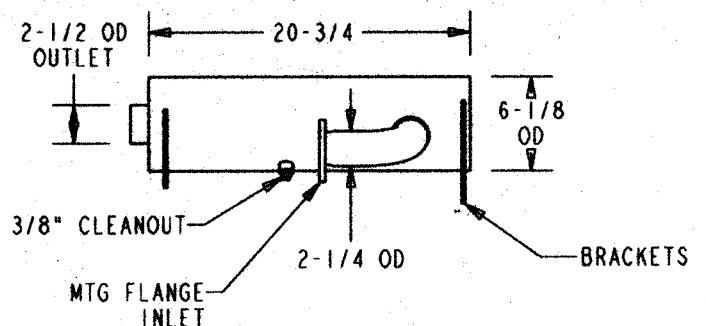
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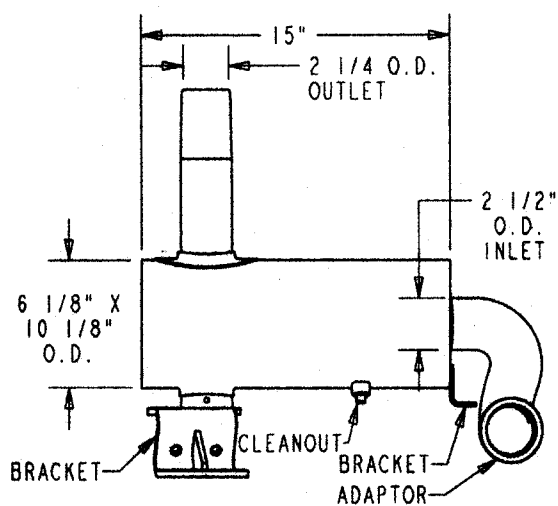
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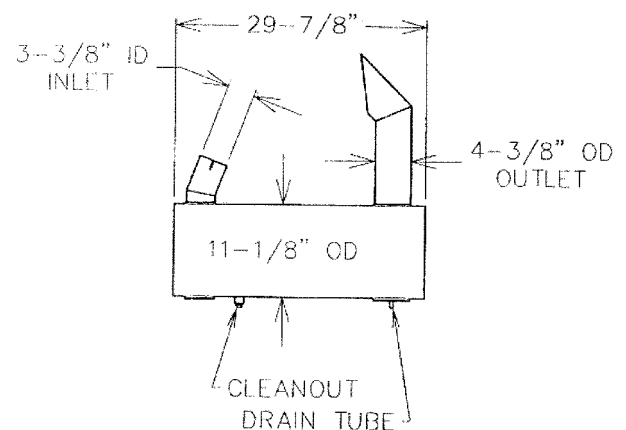
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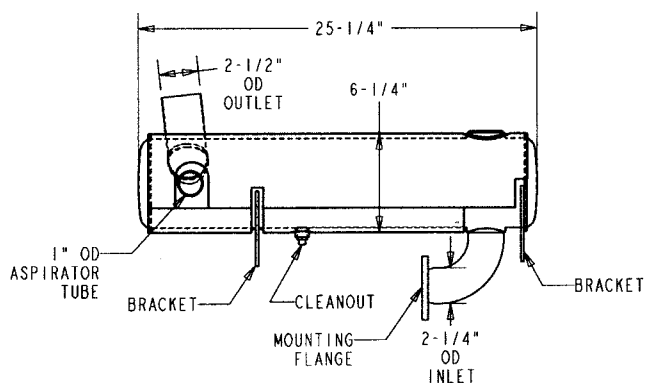
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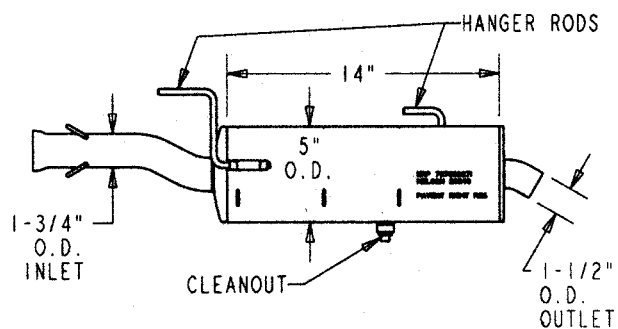
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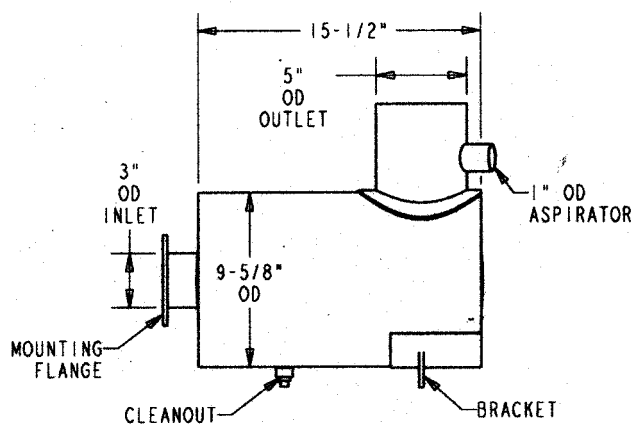
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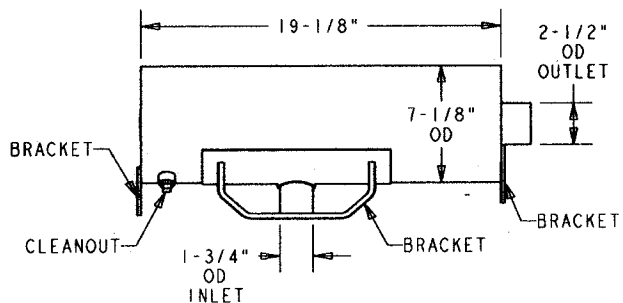
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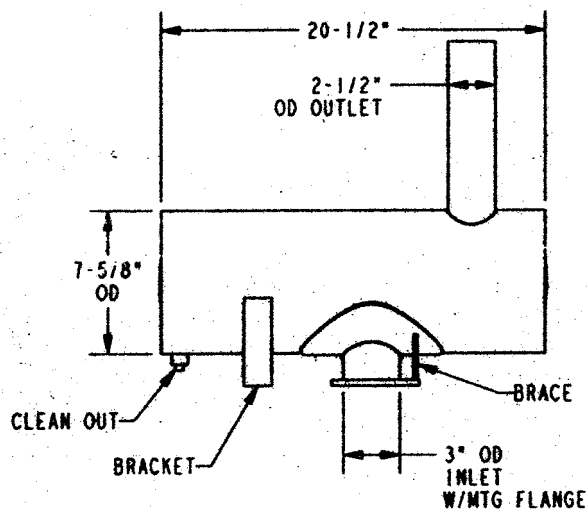
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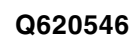
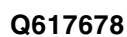
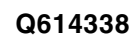
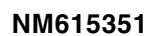


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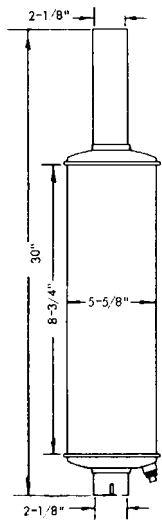
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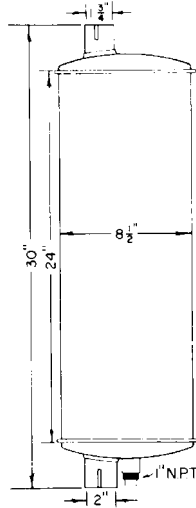


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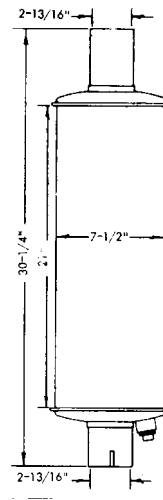
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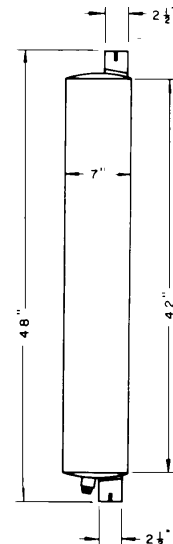
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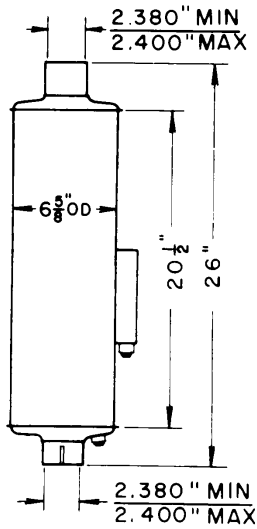
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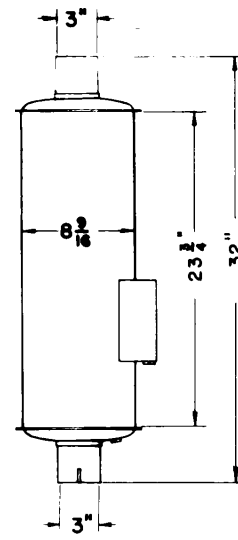
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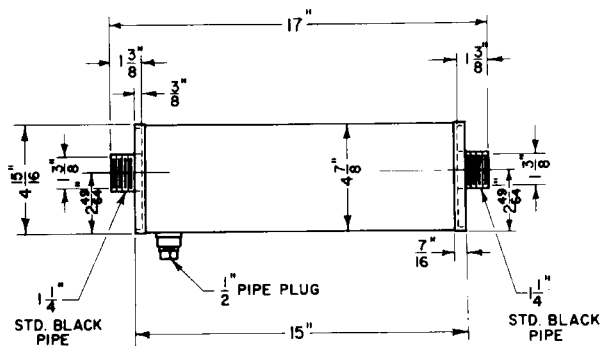
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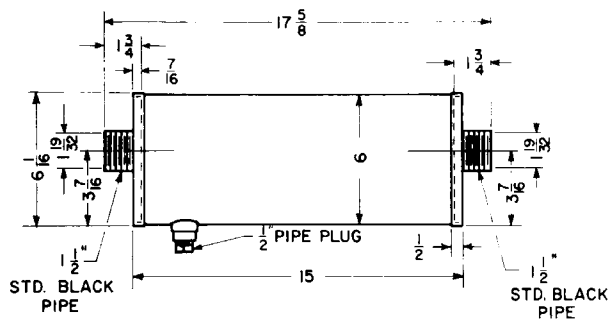
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T-8714



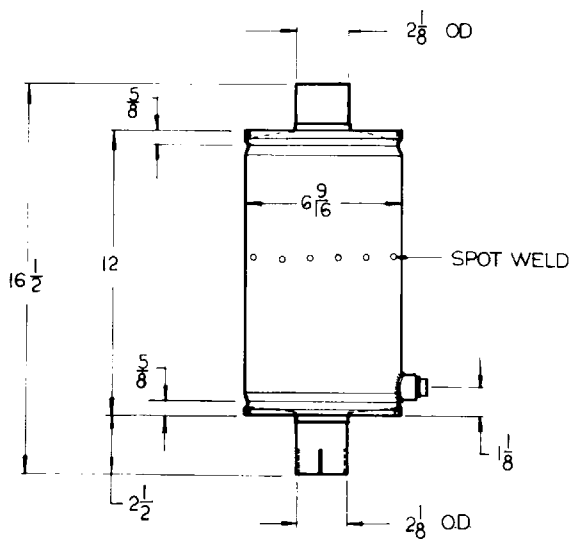
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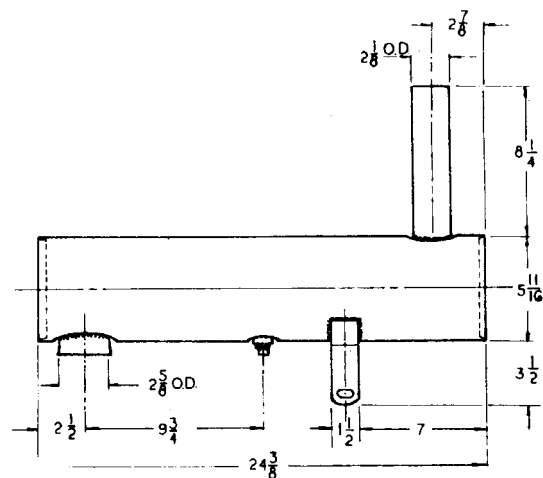
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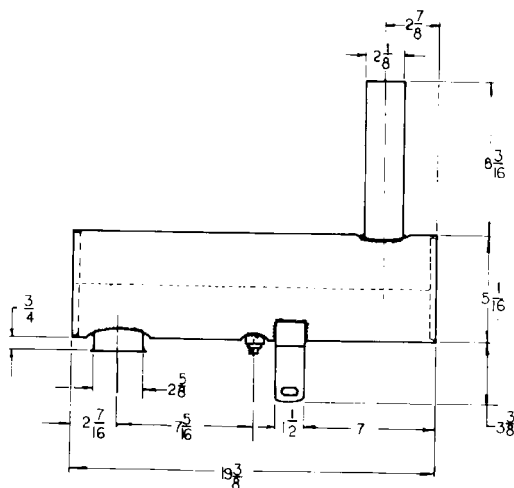
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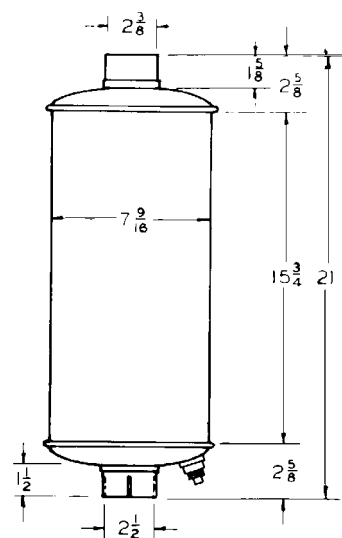
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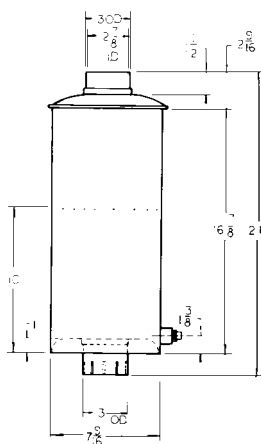
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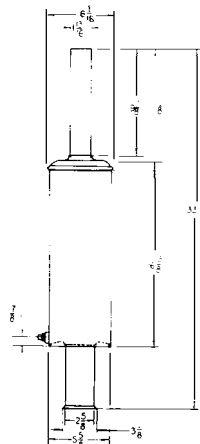
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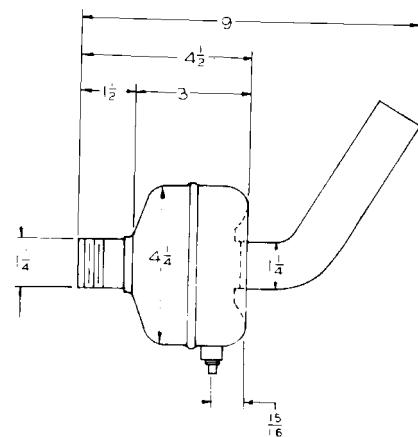
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T-9356



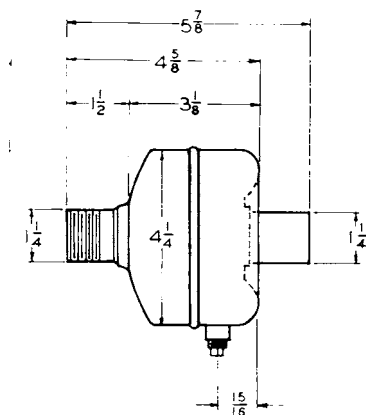
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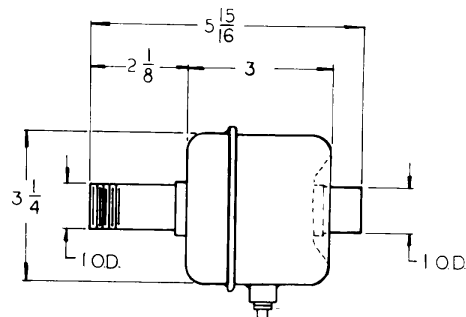
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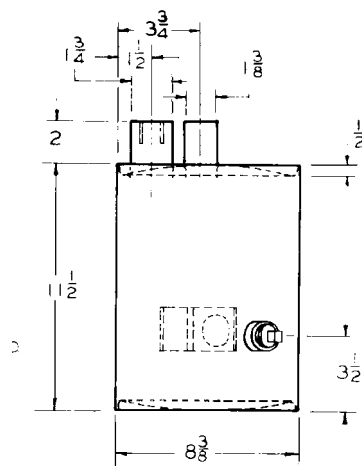
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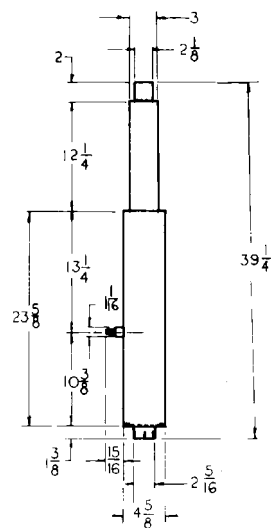
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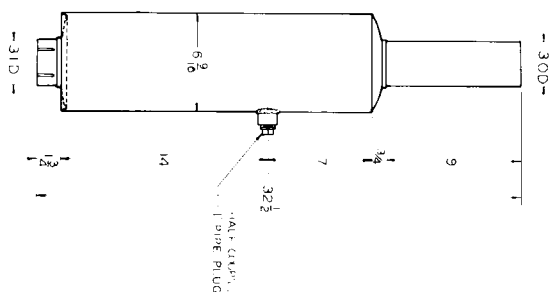
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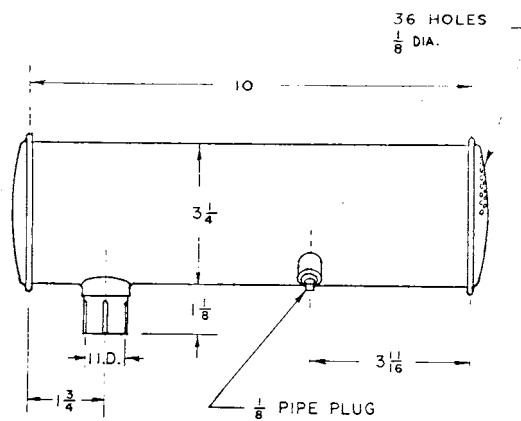
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T-9605

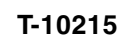
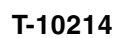
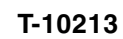
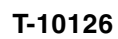
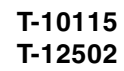


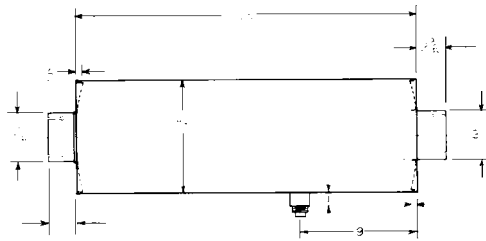
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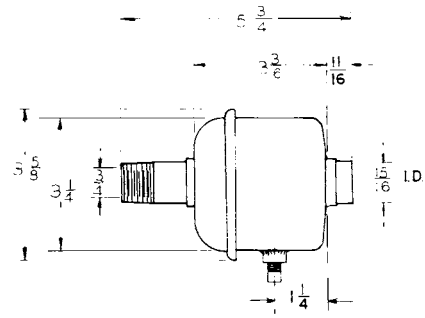
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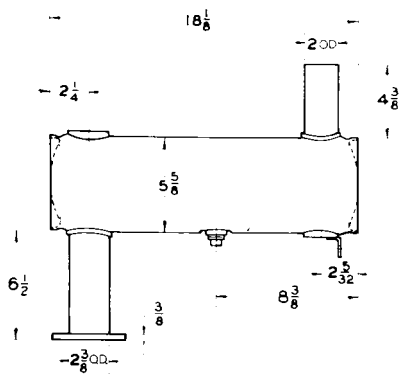




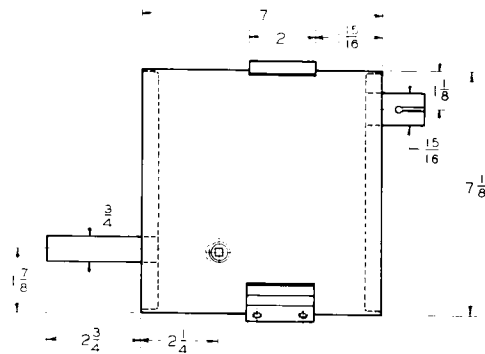
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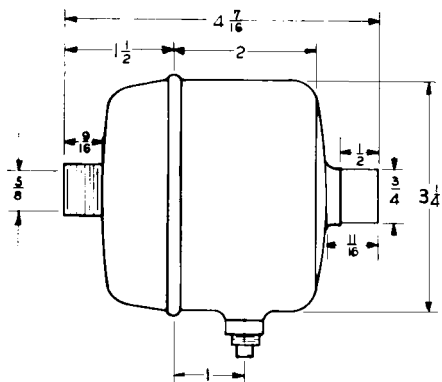
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T-13944**



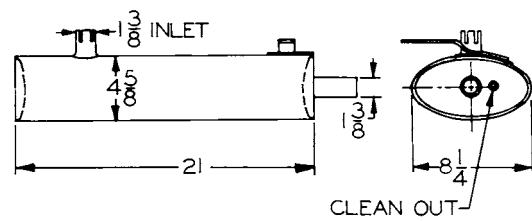
T-10374



T-10409



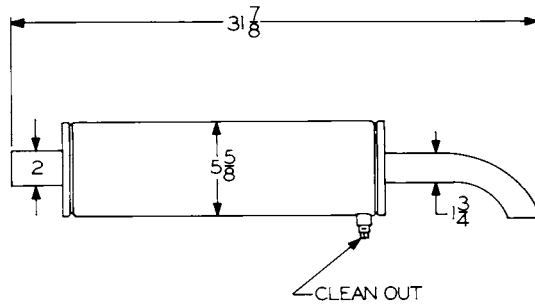
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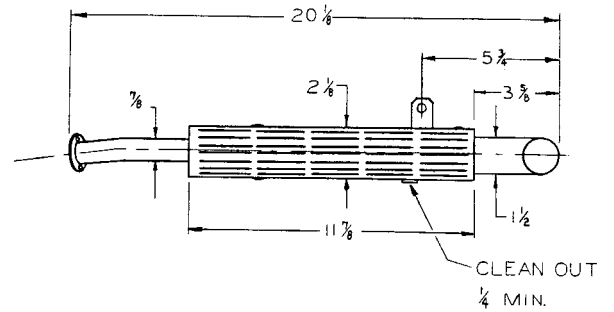
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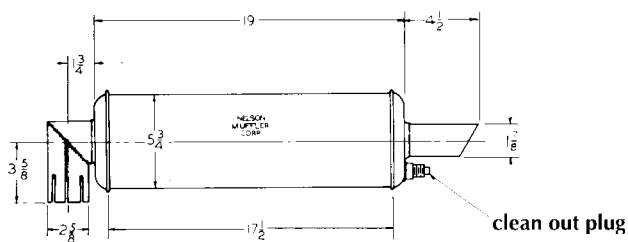
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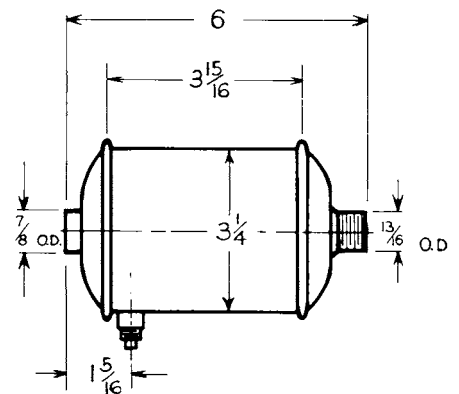
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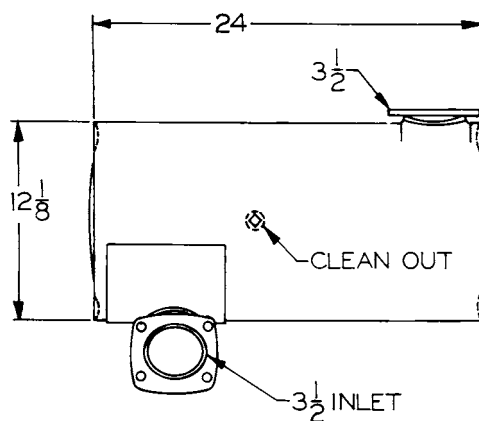
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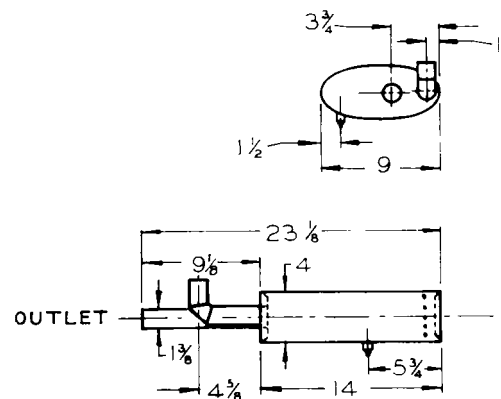
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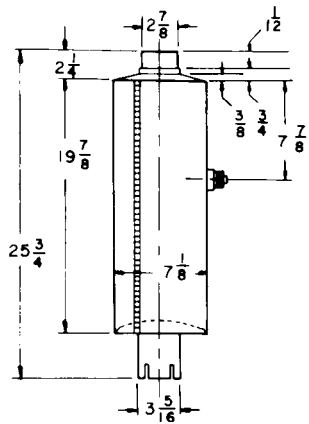
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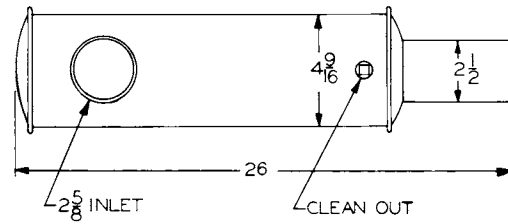
**T-10956
T-11842**



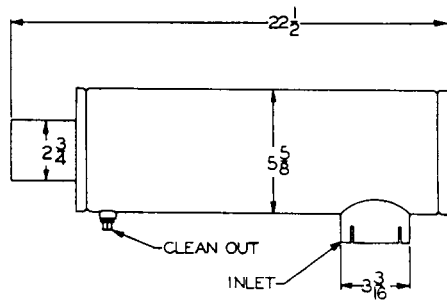
**T-11068C
T-11159**



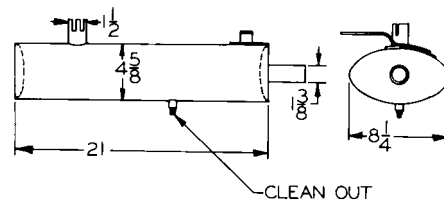
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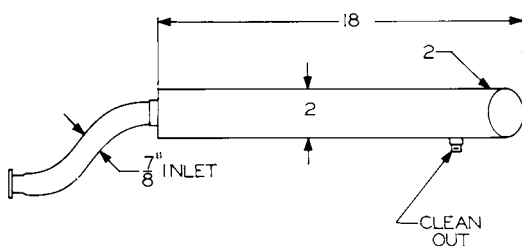
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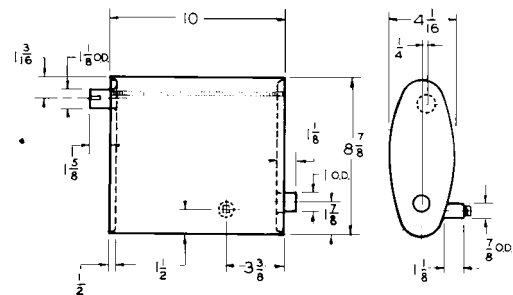
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T-11424



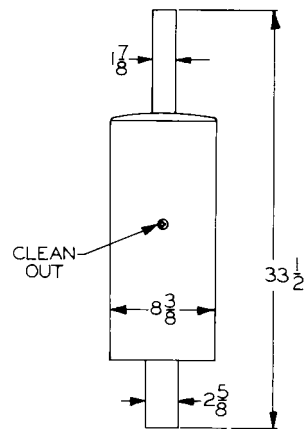
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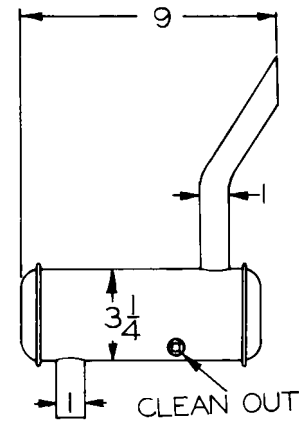
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NELSON

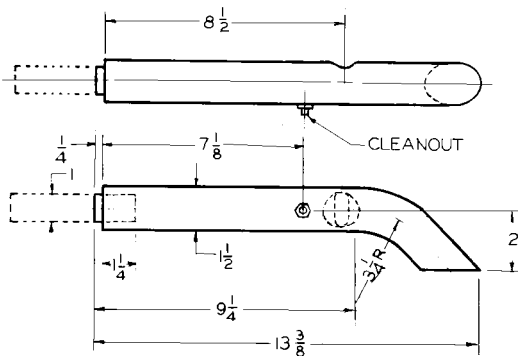
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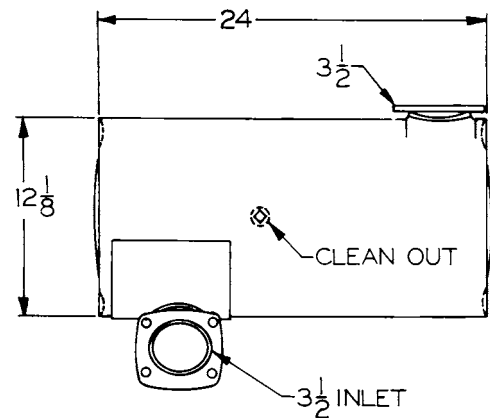
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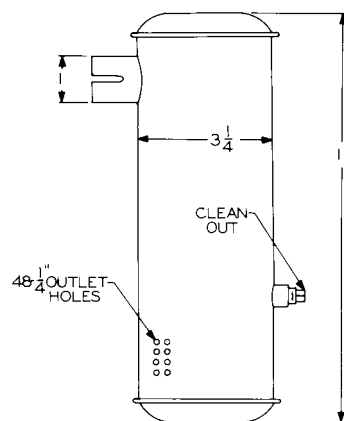
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(P•N NMC-T-11892)



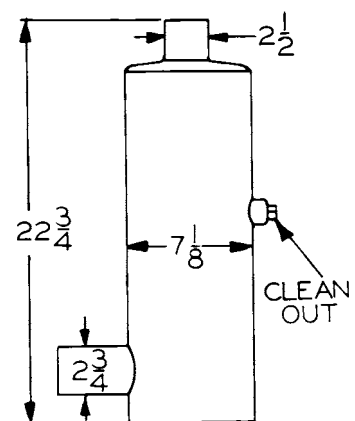
T-1173H



T-11842
T-10956



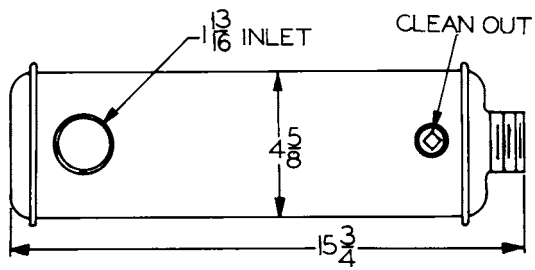
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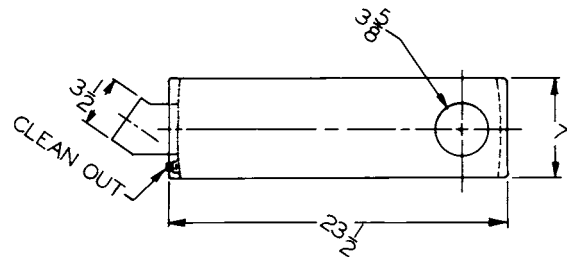
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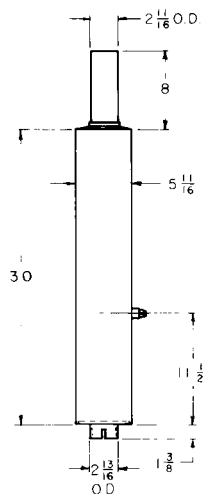
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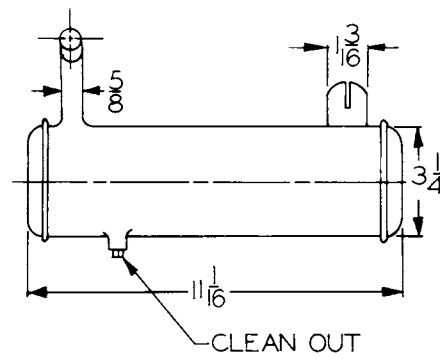
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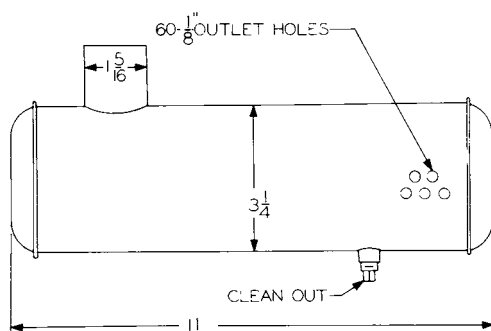
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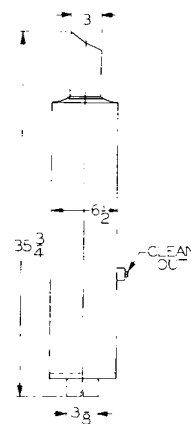
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T-10115



T-12760B



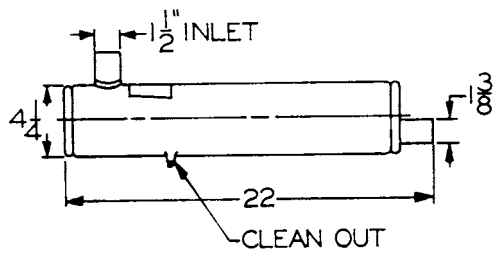
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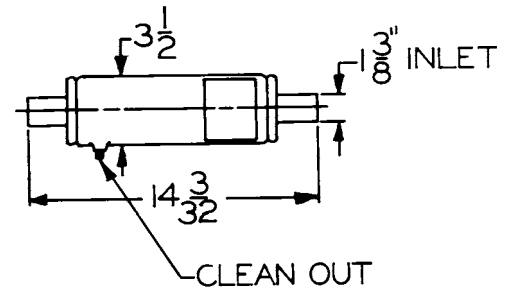
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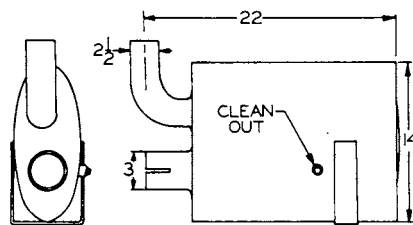
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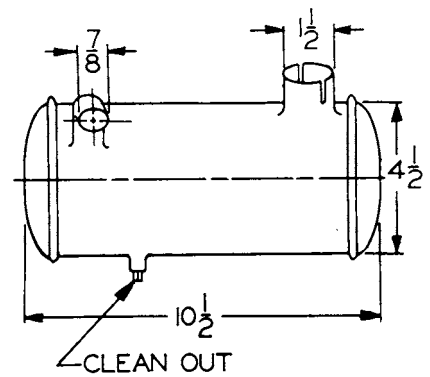
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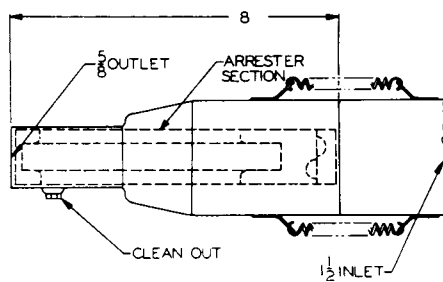
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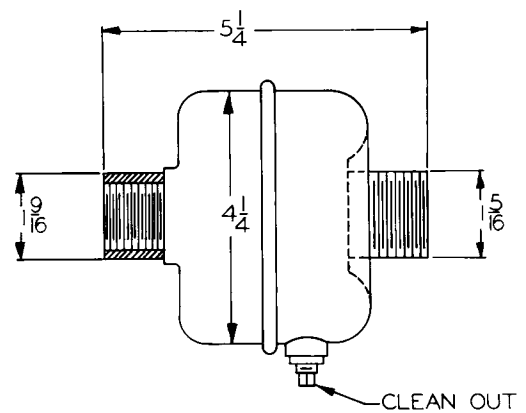
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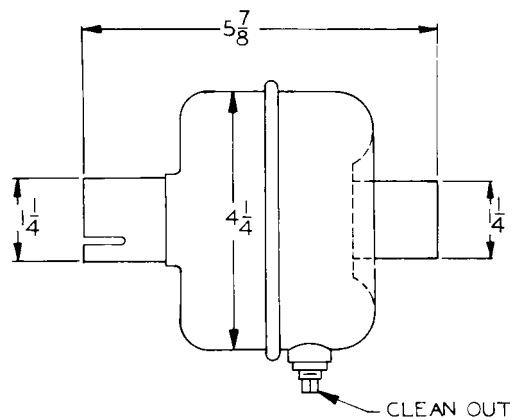
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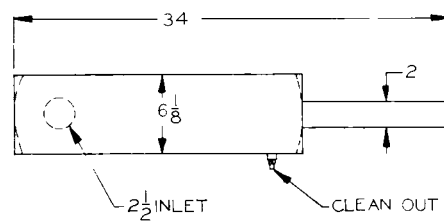
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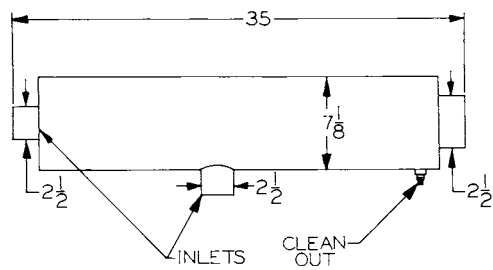
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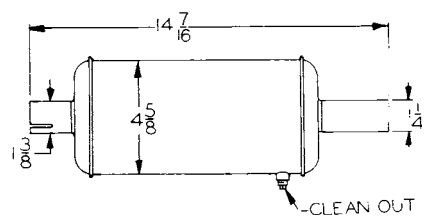
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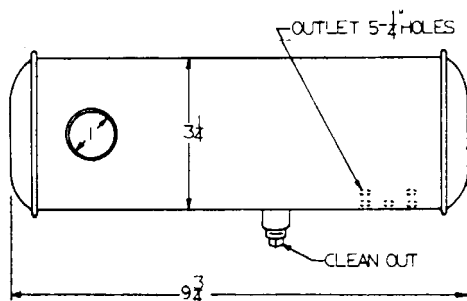
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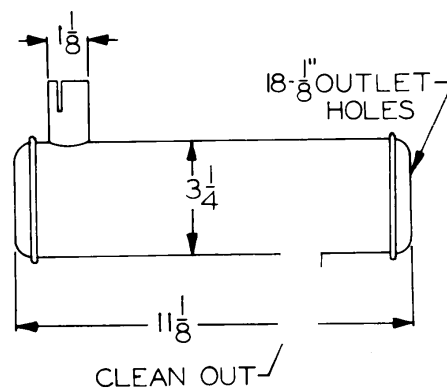
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T-13529



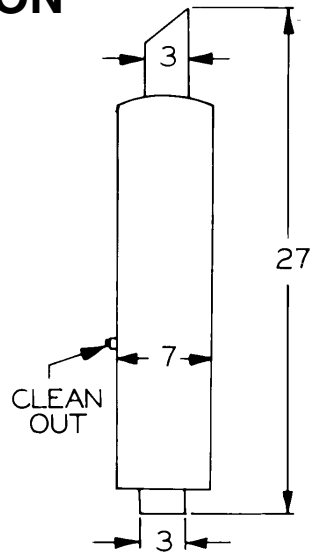
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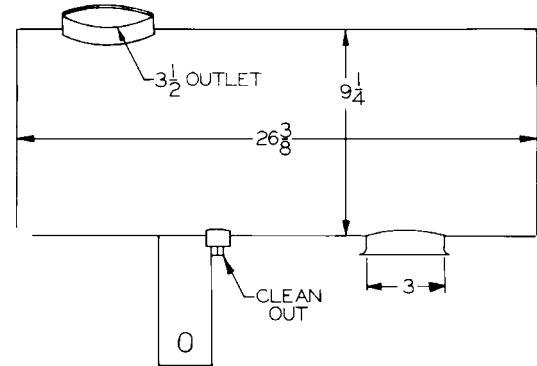
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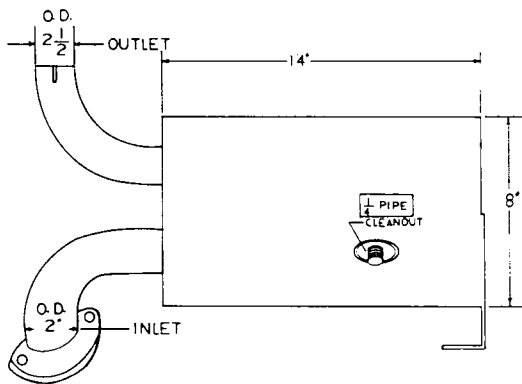
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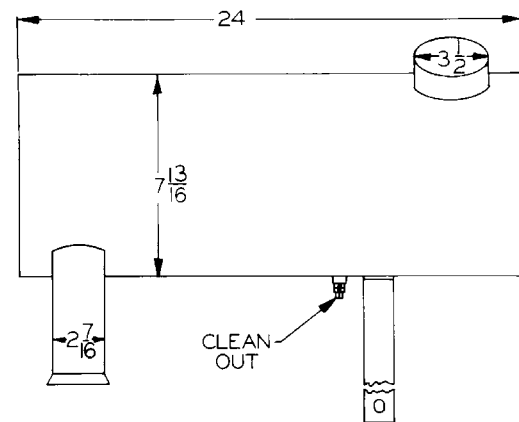
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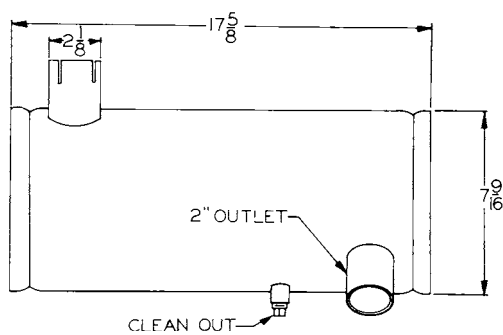
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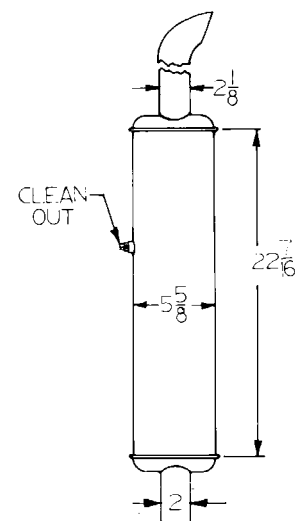
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T-13919



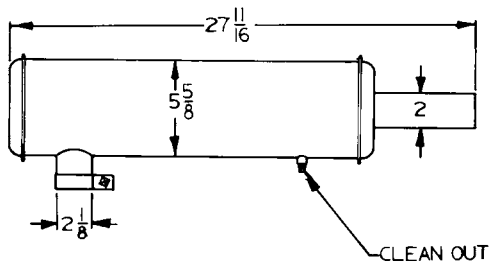
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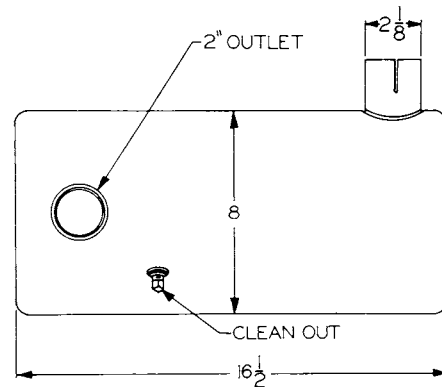
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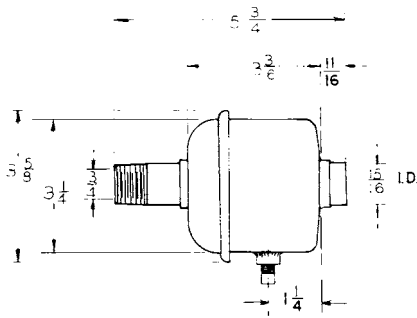
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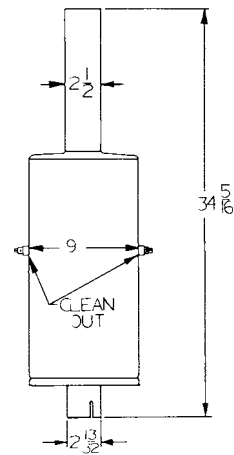
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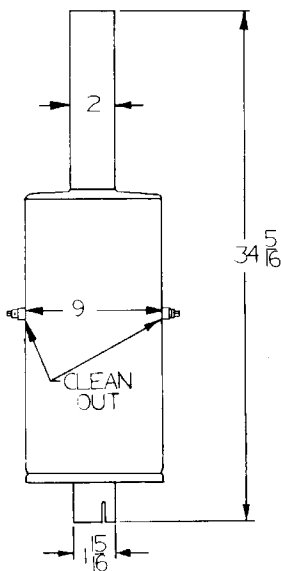
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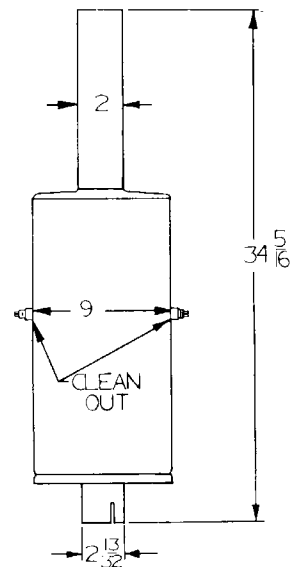
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T-10291**



T-13977



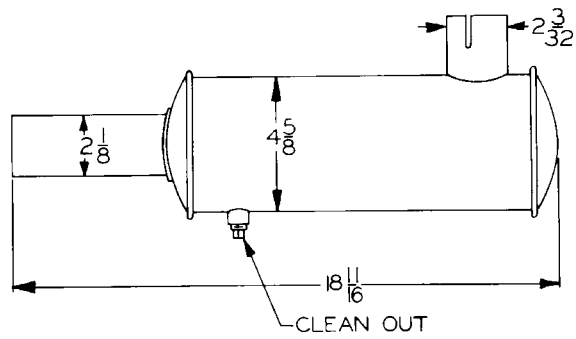
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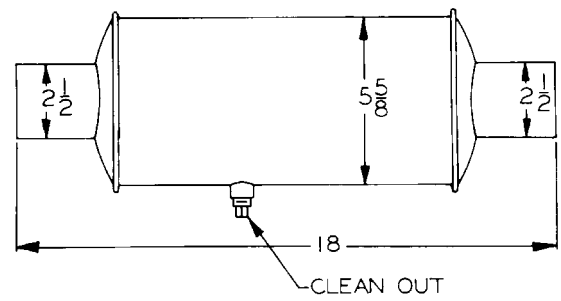
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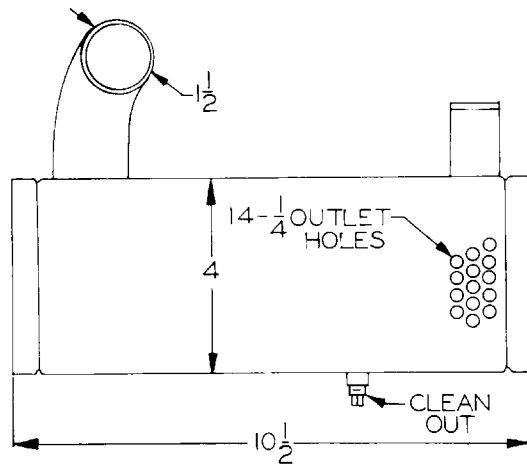
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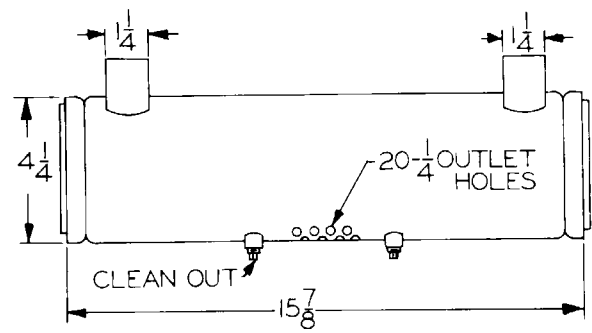
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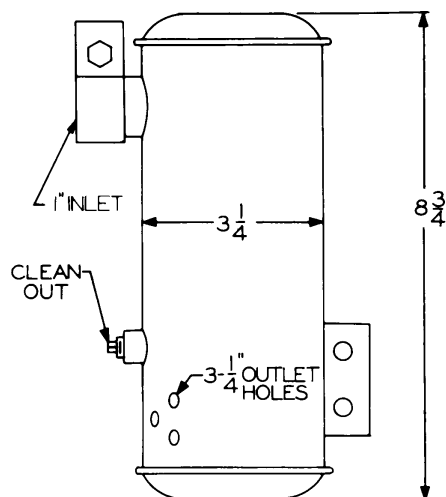
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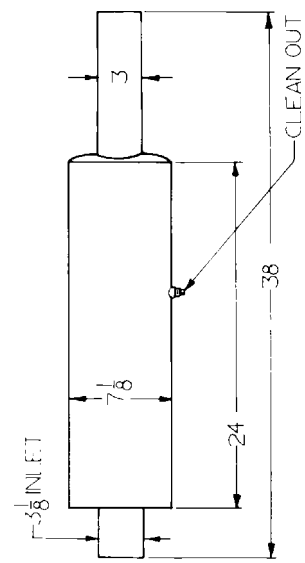
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T-14000



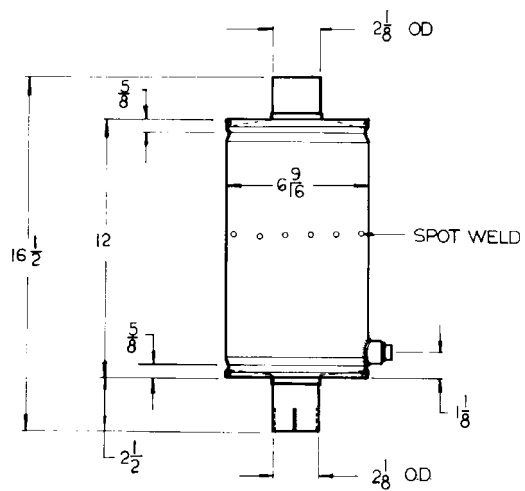
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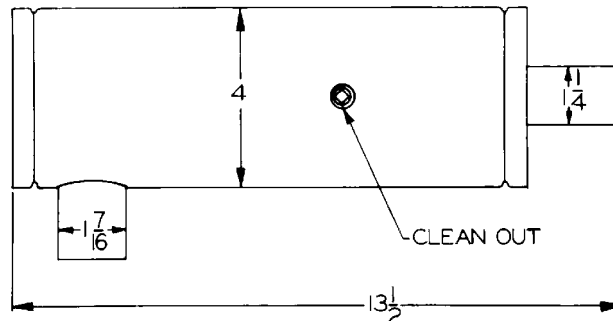
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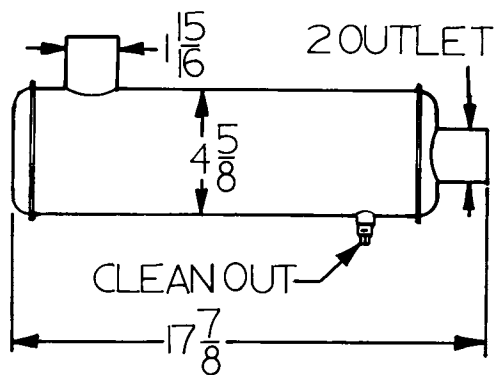
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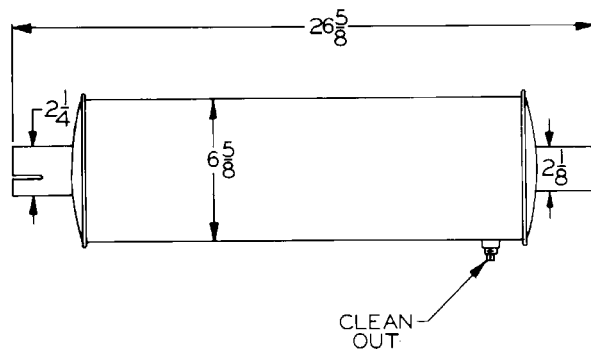
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T-9213**



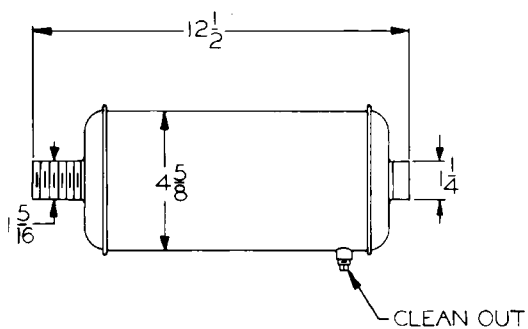
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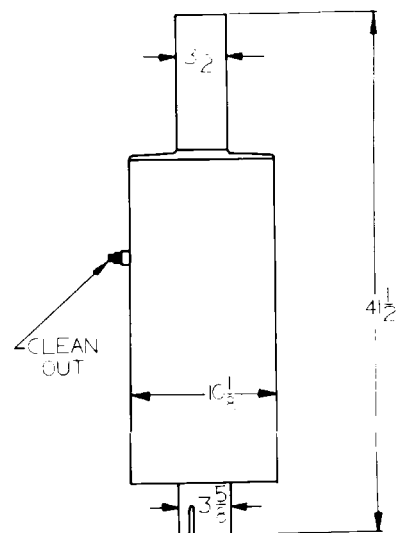
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T-14105



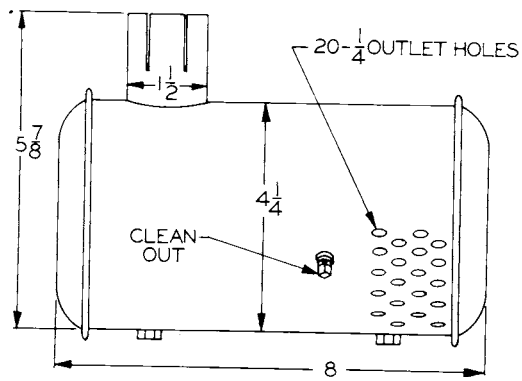
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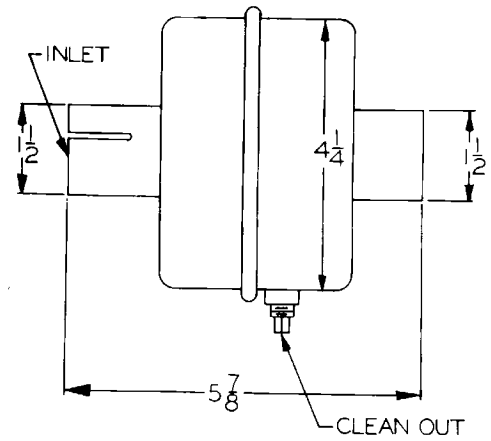
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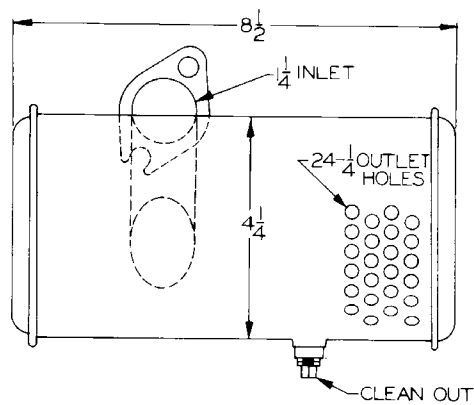
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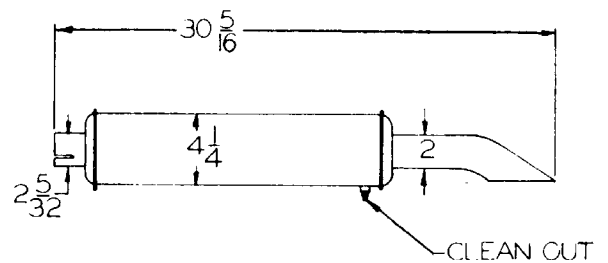
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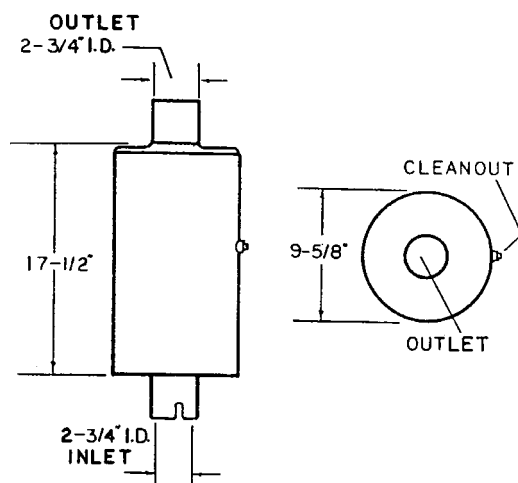
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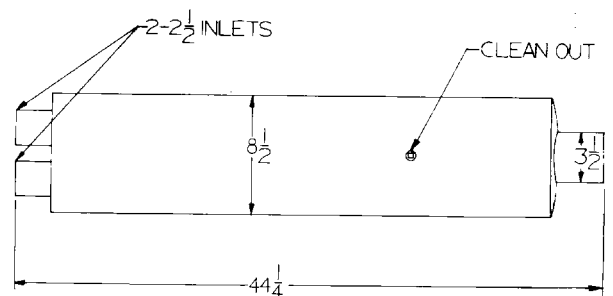
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T-14217



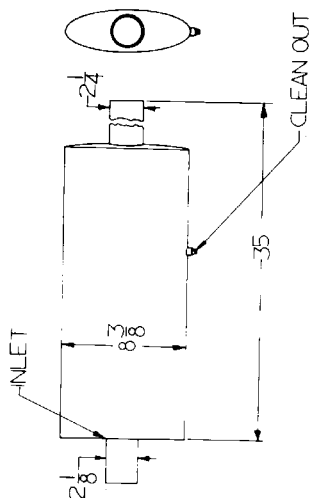
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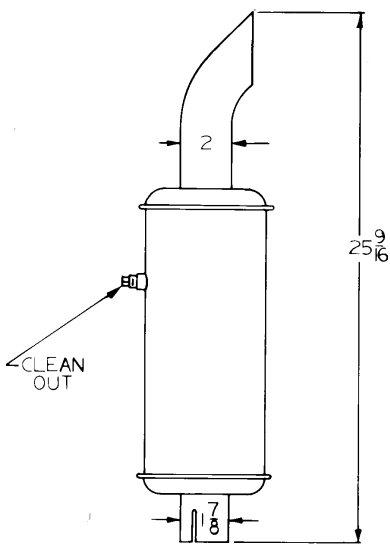
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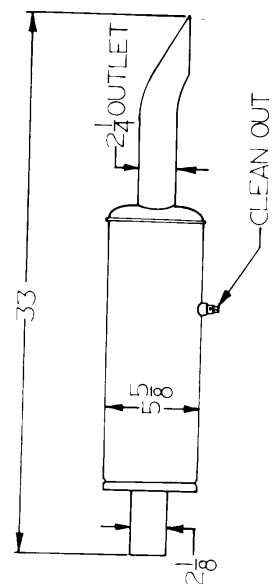
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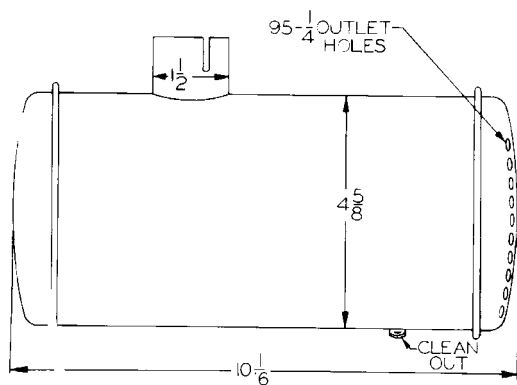
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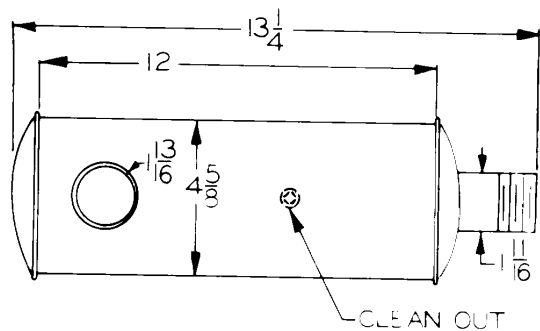
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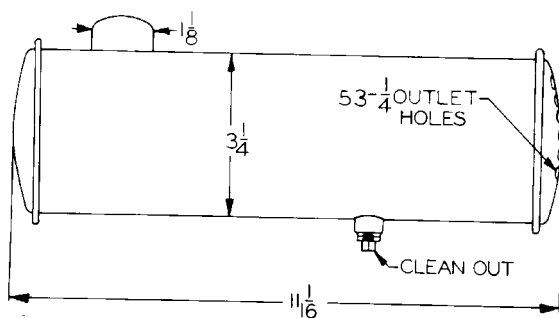
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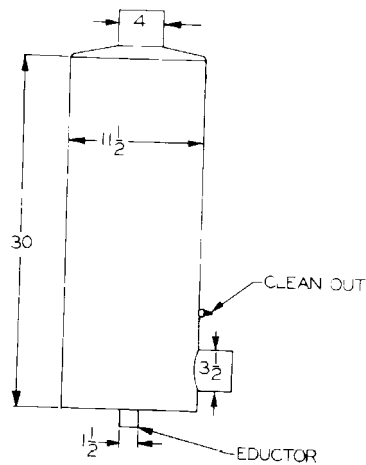
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T-14316



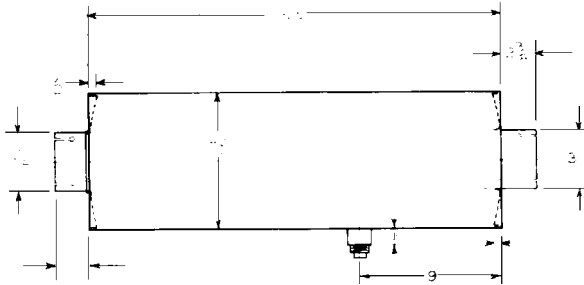
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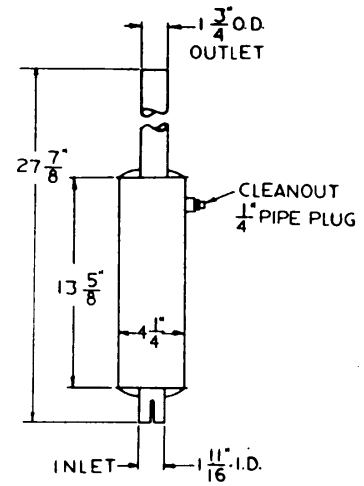
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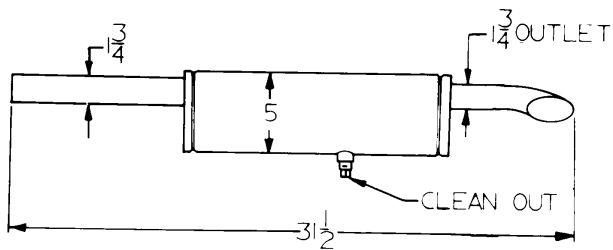
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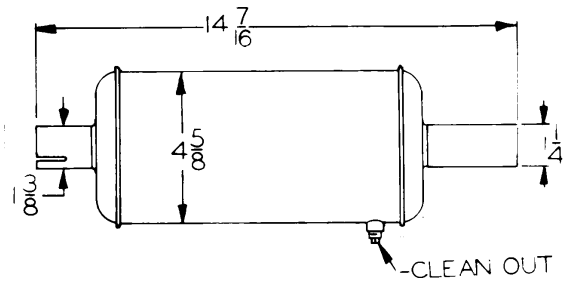
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T-10244**



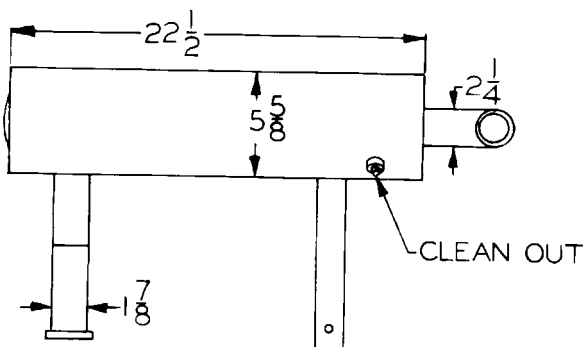
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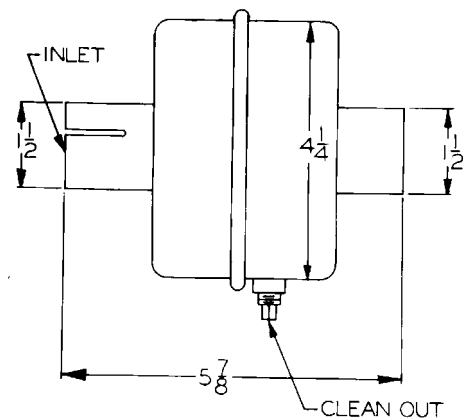
T-14403



**T-14406
T-13529**



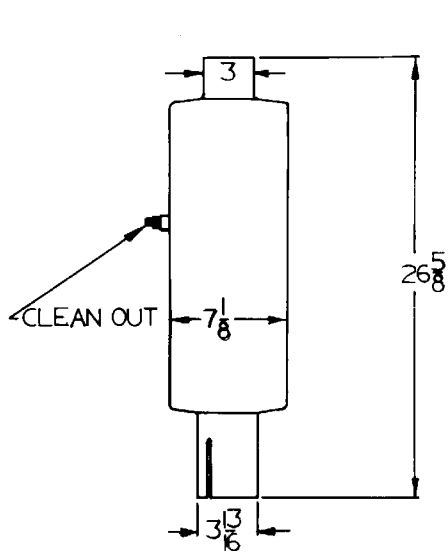
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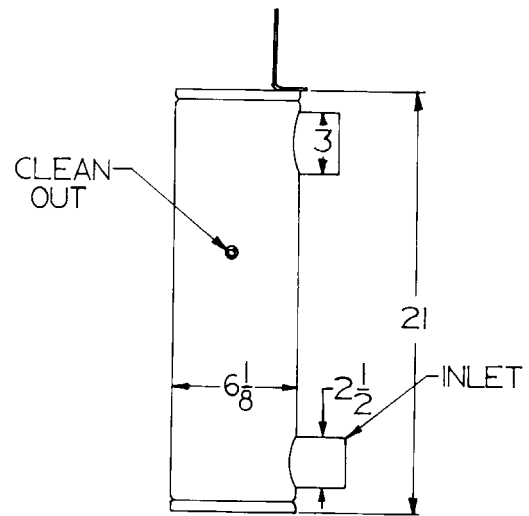
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T-14123**

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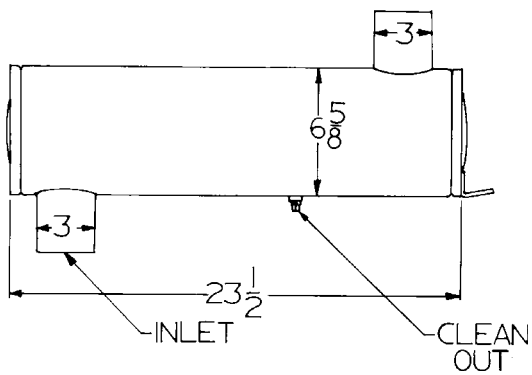
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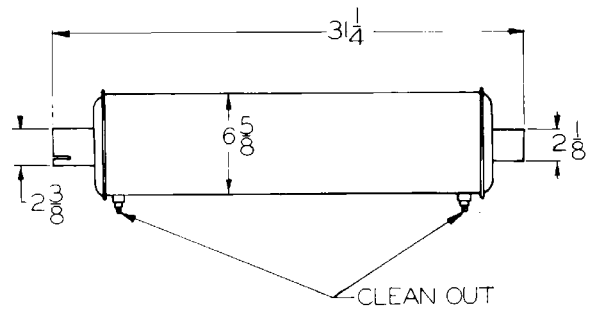
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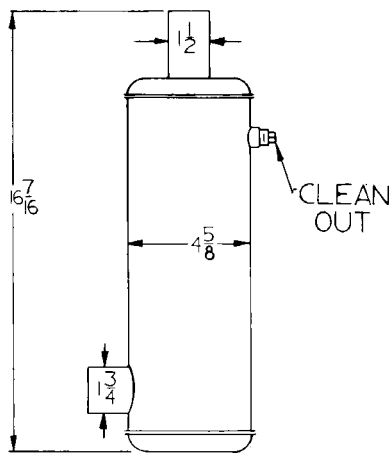
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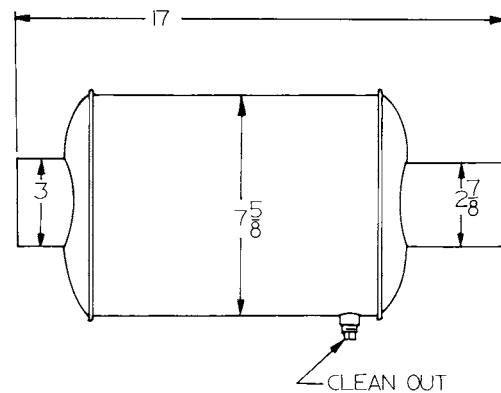
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T-14671



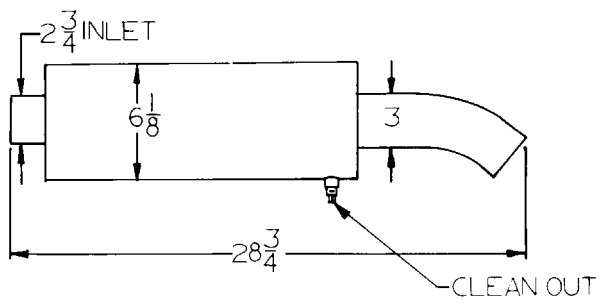
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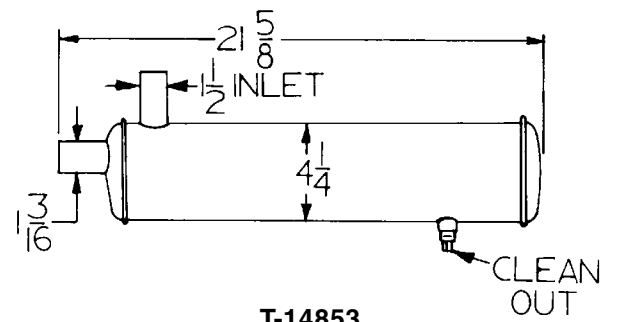
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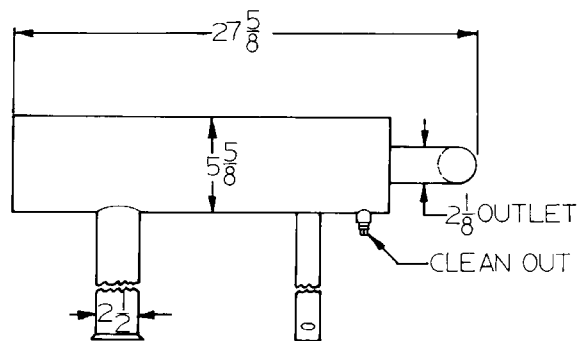
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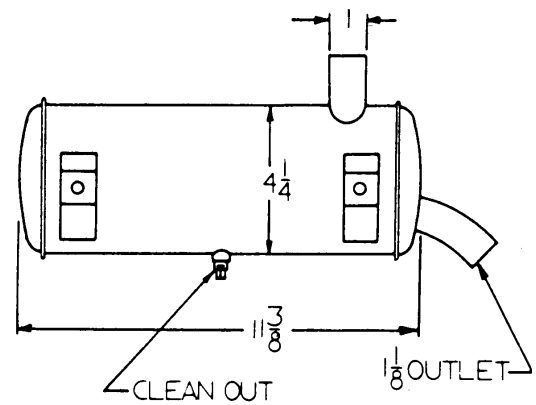
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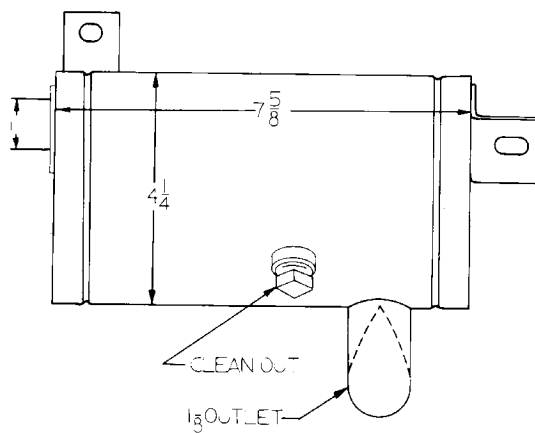
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ONAN 155-1485



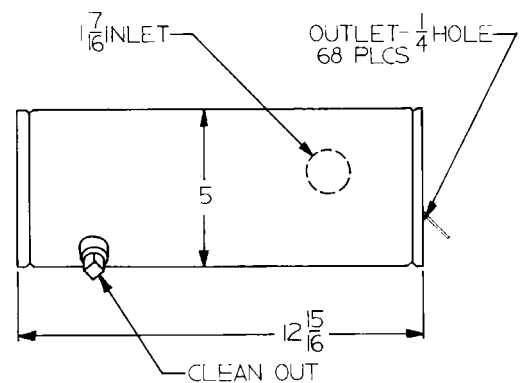
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T-15077



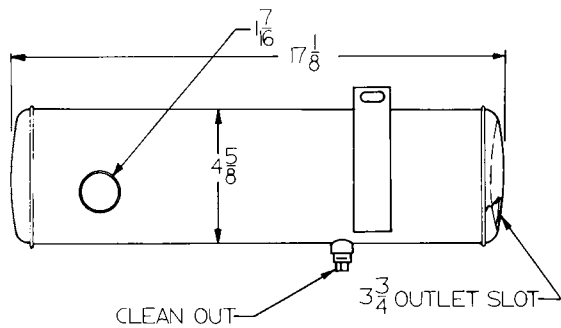
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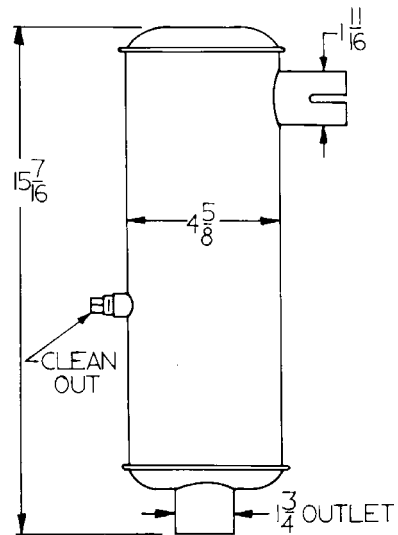
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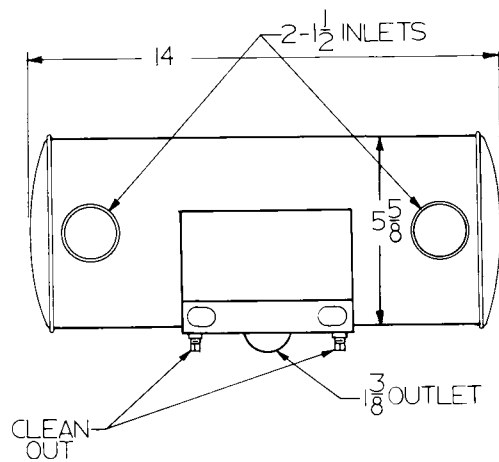
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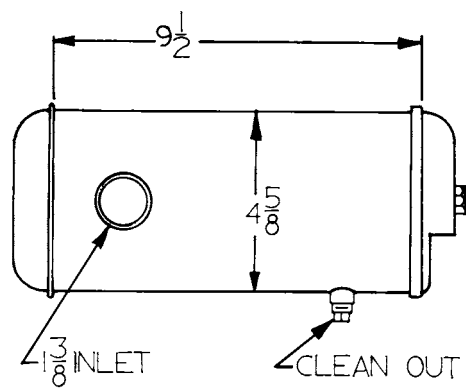
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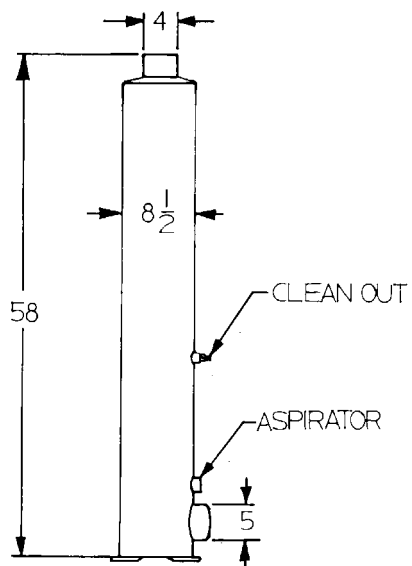
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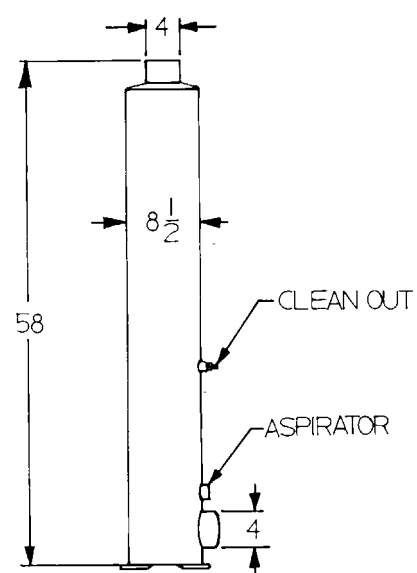
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T-15611



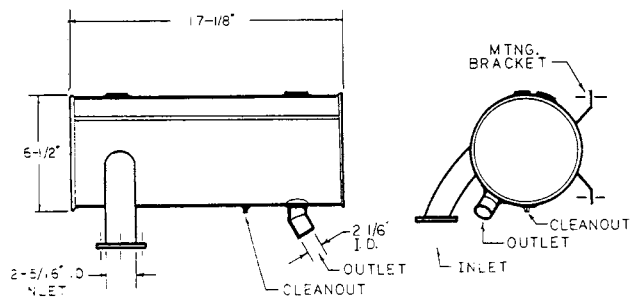
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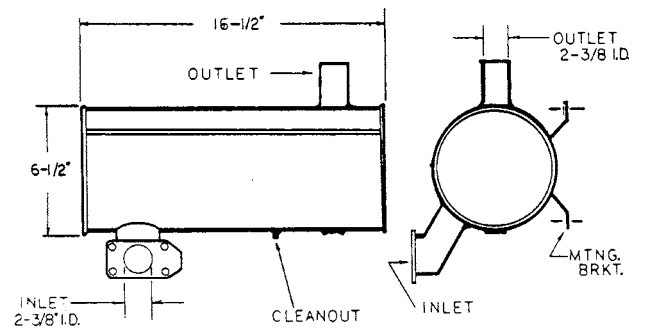
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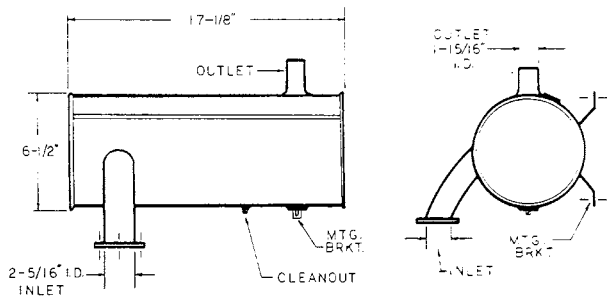
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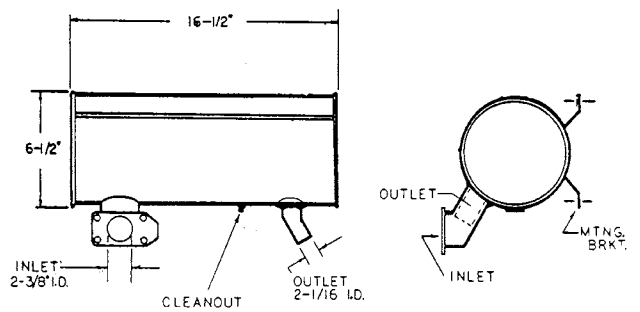
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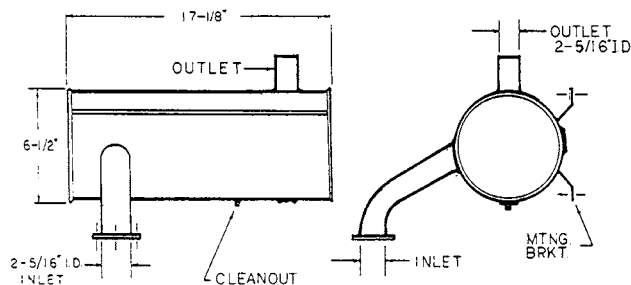
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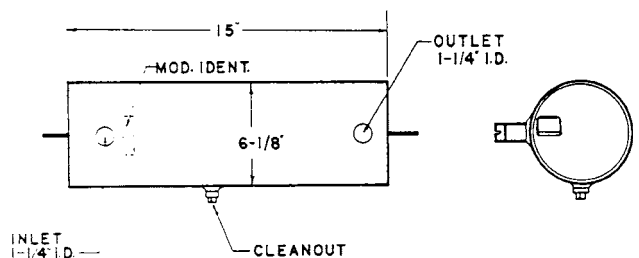
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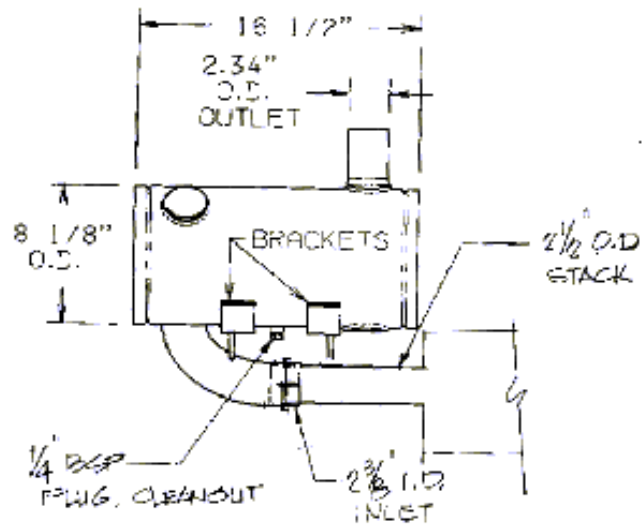
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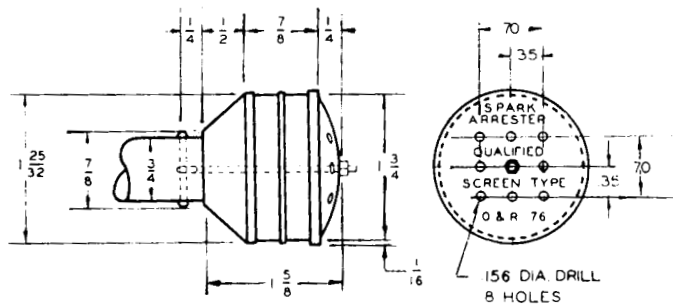
NELSON-BURGESS • O & R • ONAN

NELSON-BURGESS



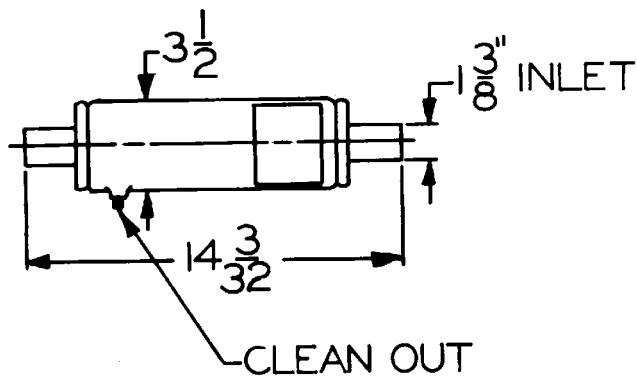
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O & R

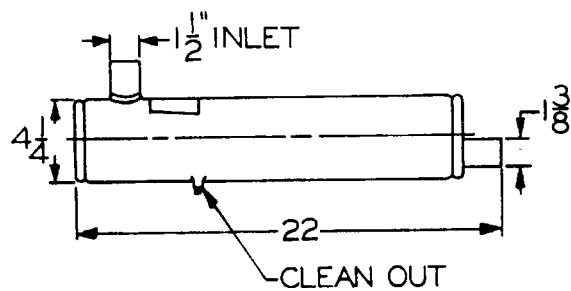


O&R 76

ONAN



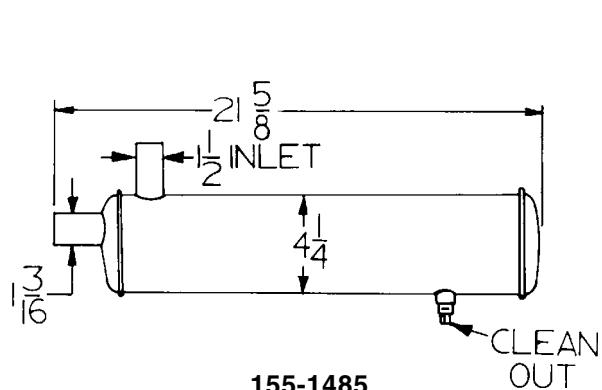
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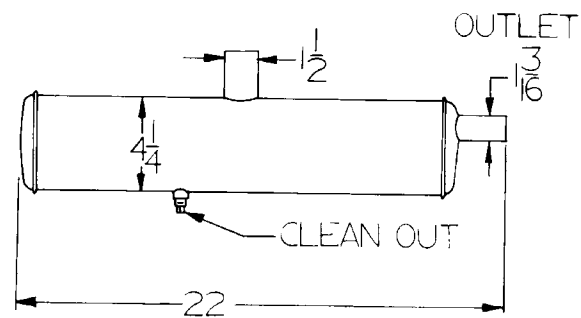
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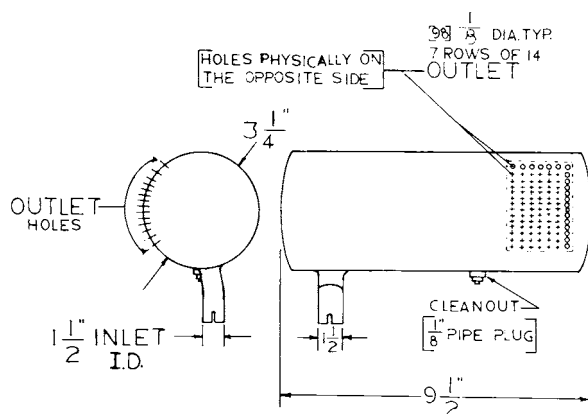
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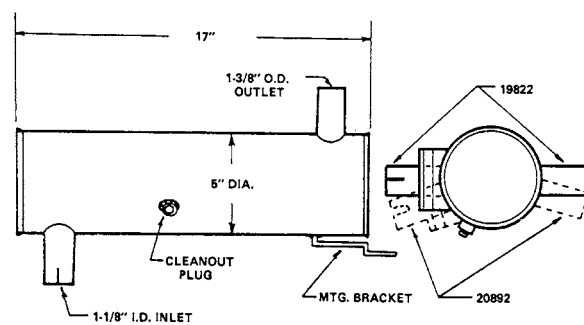
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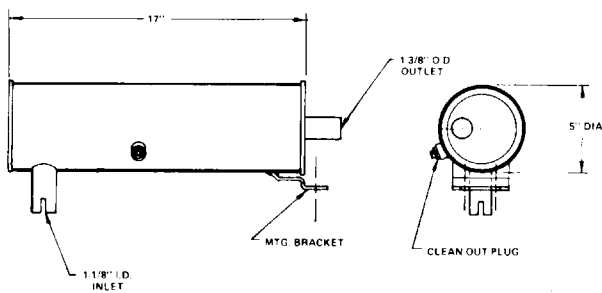
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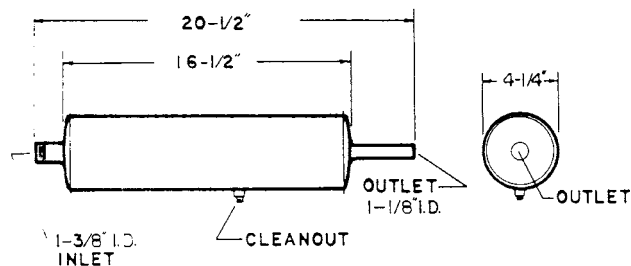
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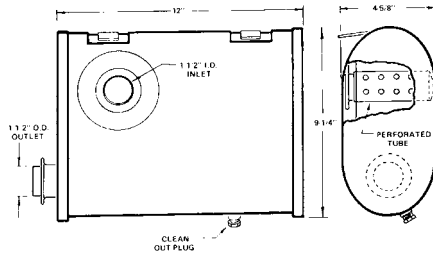
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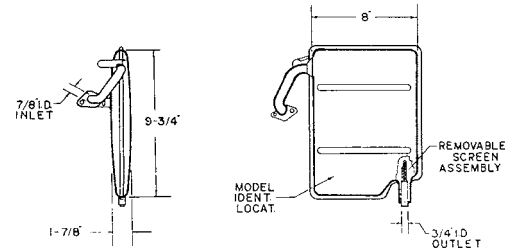
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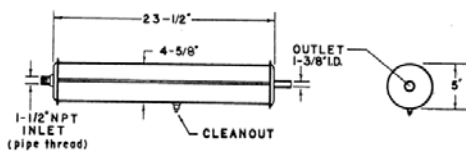
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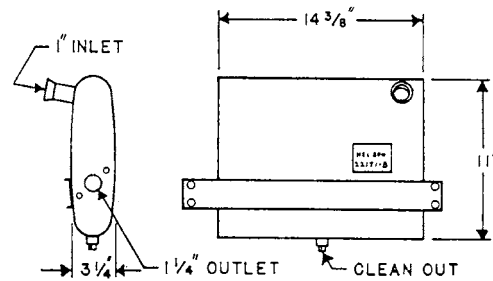
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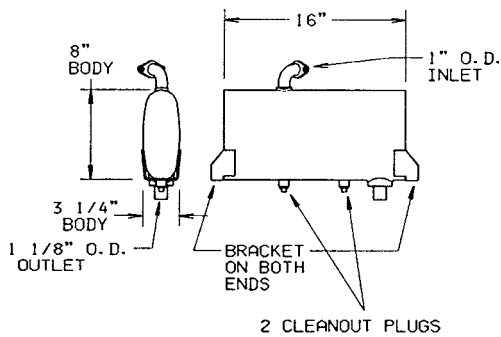
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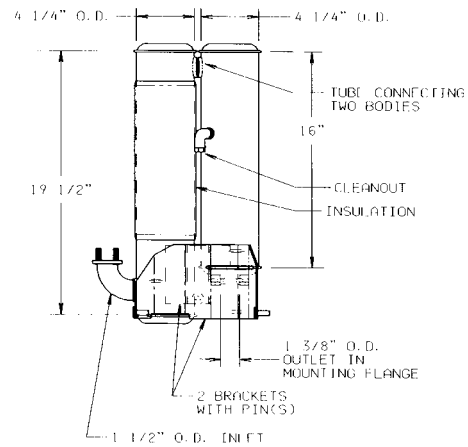
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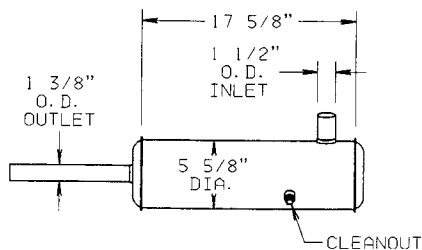
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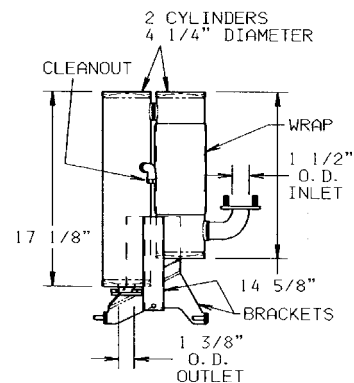
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155-2885
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155-2951
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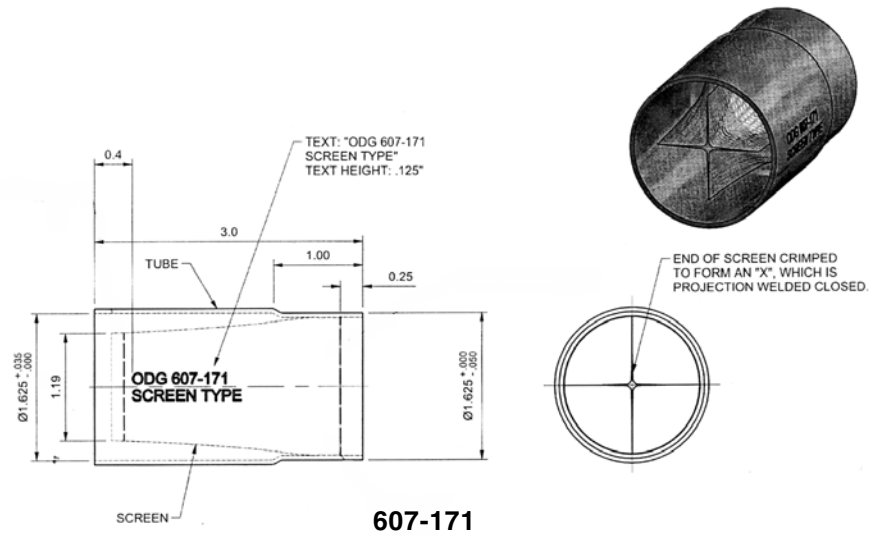


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NELSON 26503

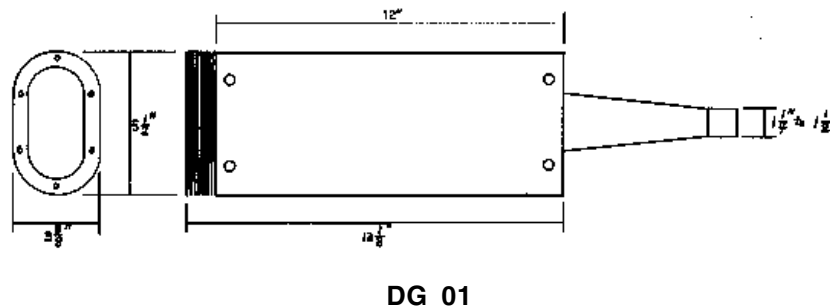
ONTARIO DRIVE & GEAR • PERFORMANCE SPECIALTIES •

PHILLIPS & TEMRO

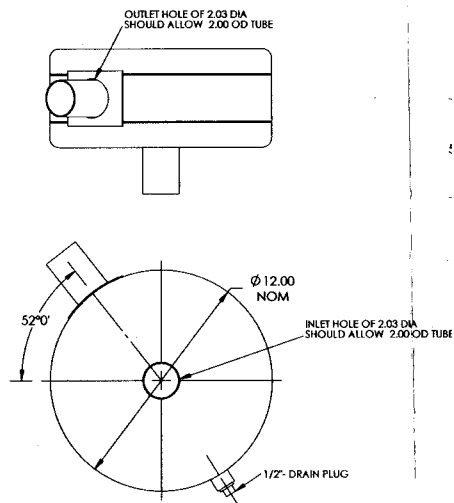
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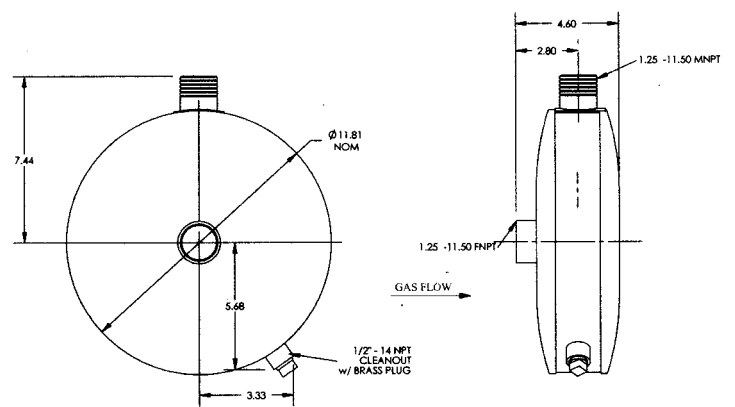
PERFORMANCE SPECIALTIES



PHILLIPS & TEMRO



MDSA-20

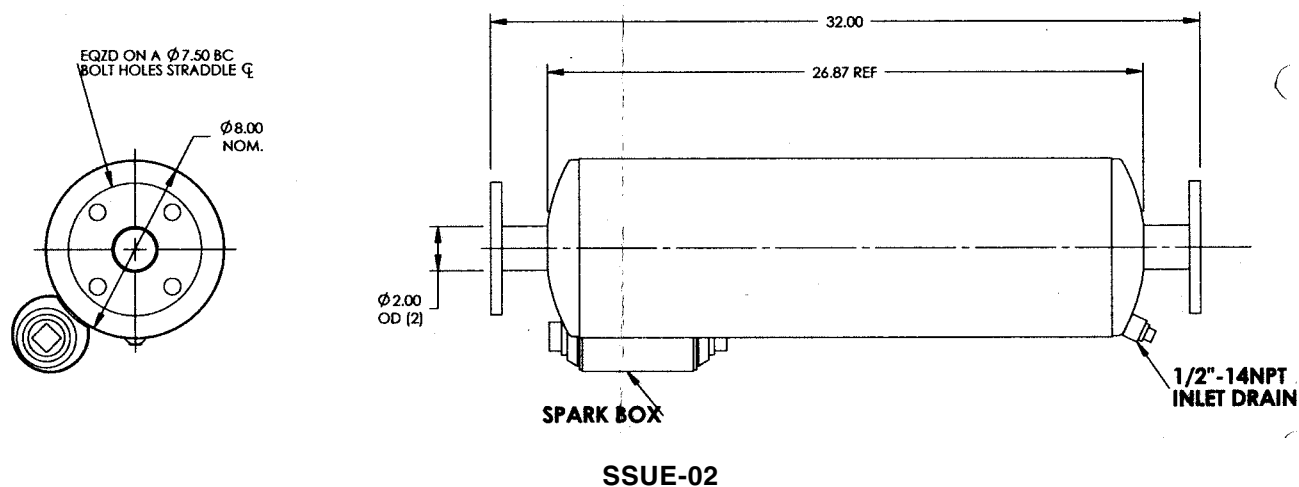


MDSA-125

USDA# MDSA-125

PHILLIPS & TEMRO•PKM•POLARIS

PHILLIPS & TEMRO

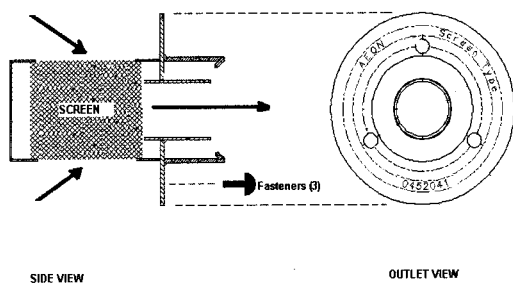


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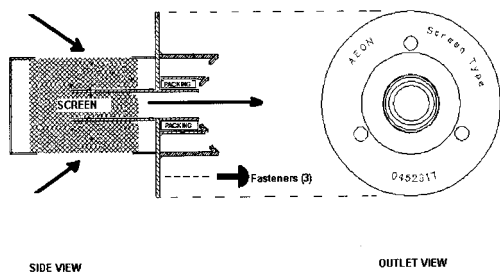
No diagrams available:

Refer to General Purpose Qualification Table
at end of section for rating.

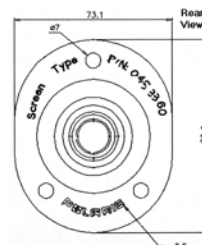
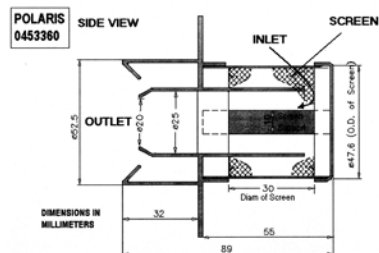
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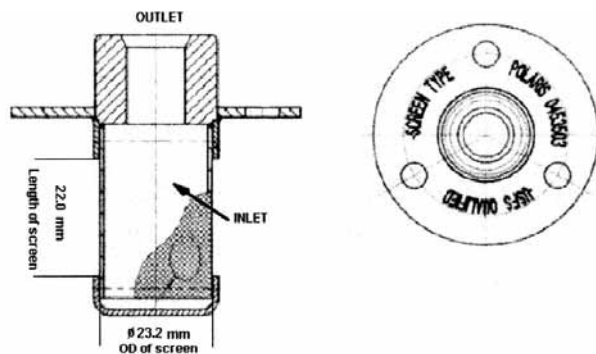
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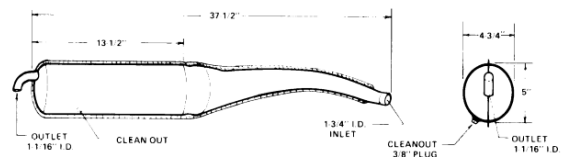
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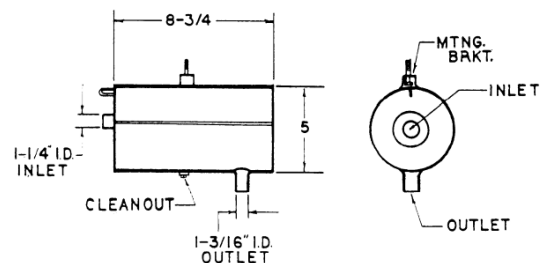
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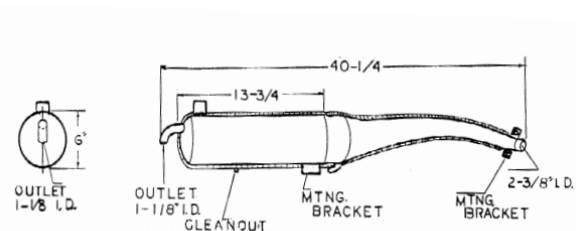
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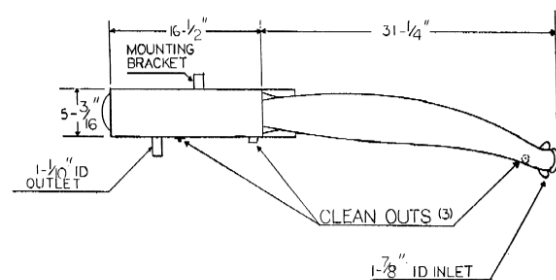
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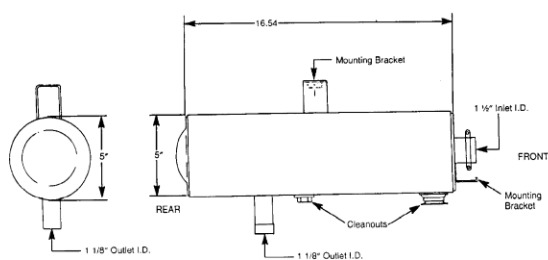
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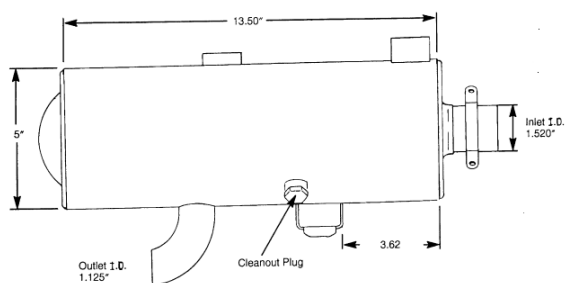
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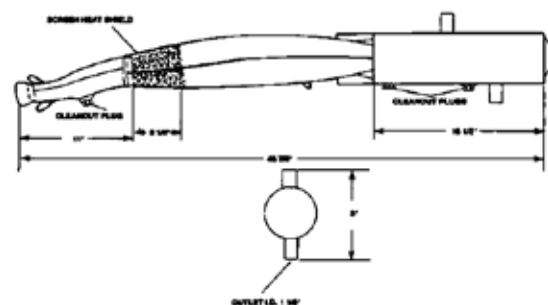
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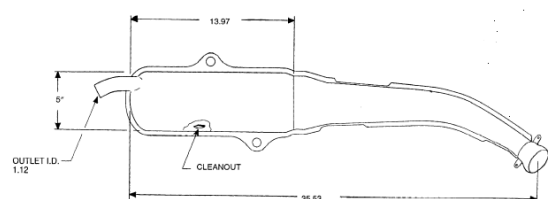
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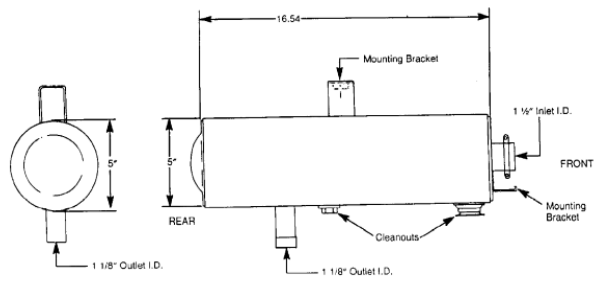
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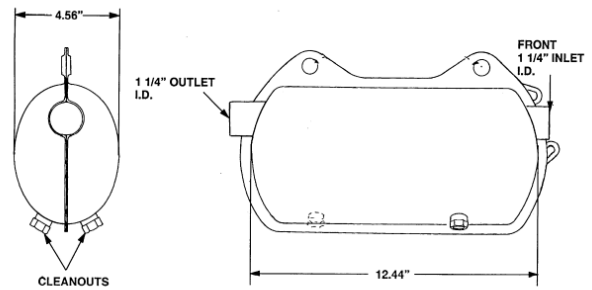
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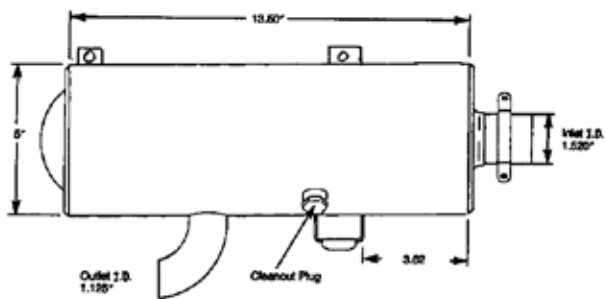
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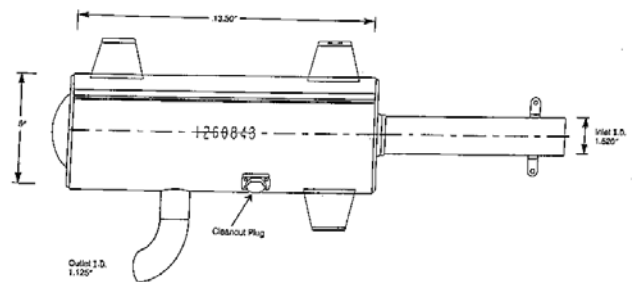
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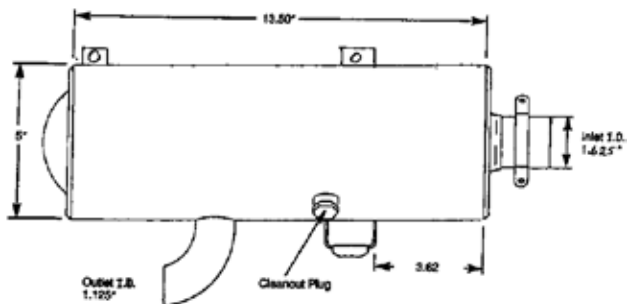
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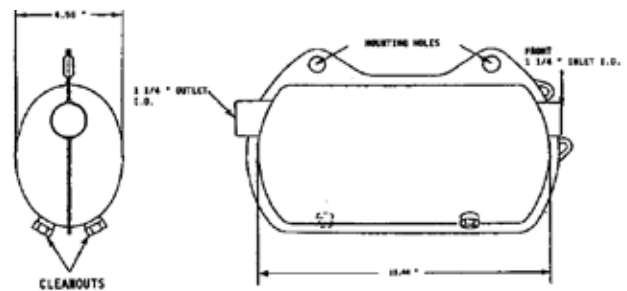
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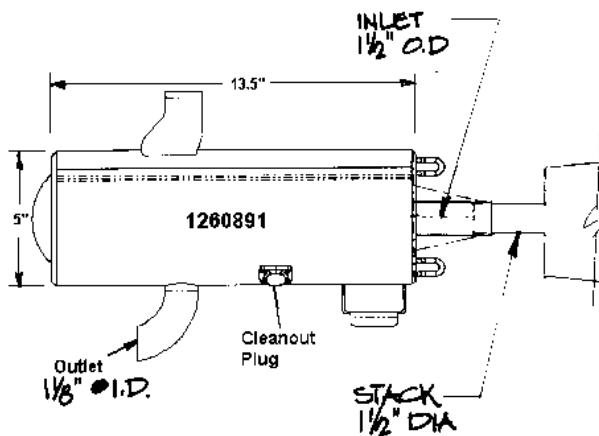
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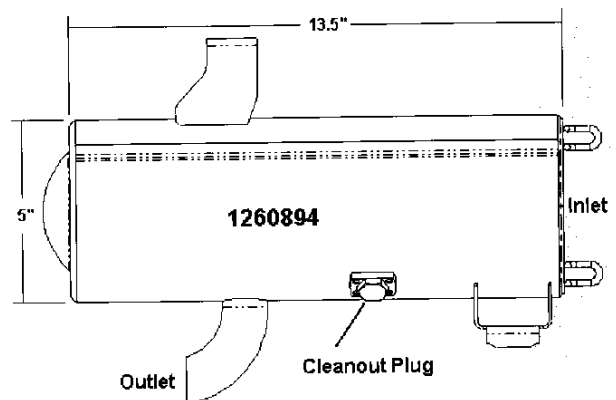
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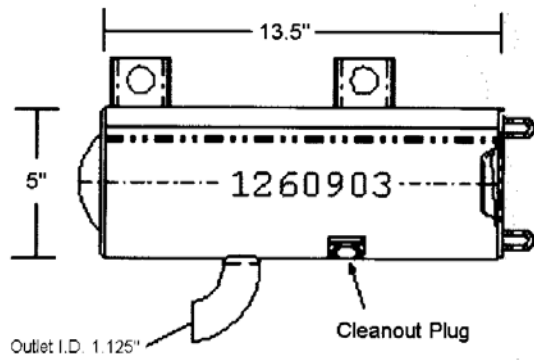
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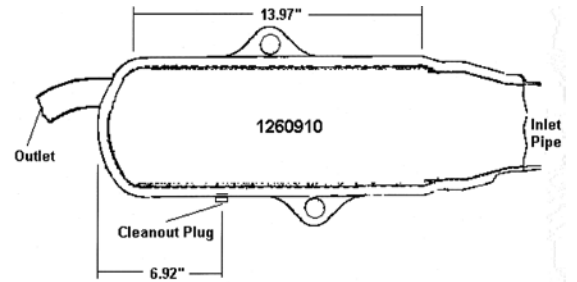
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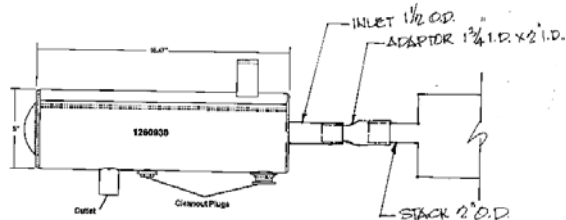
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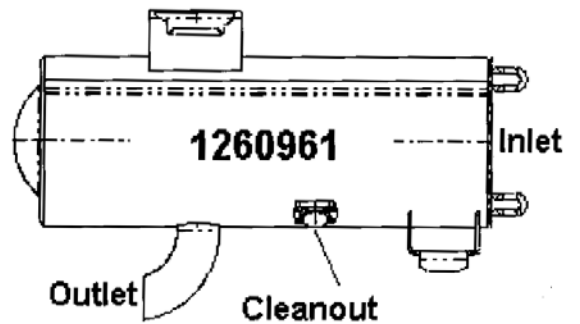
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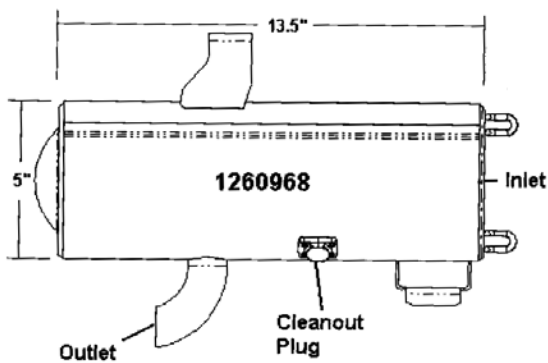
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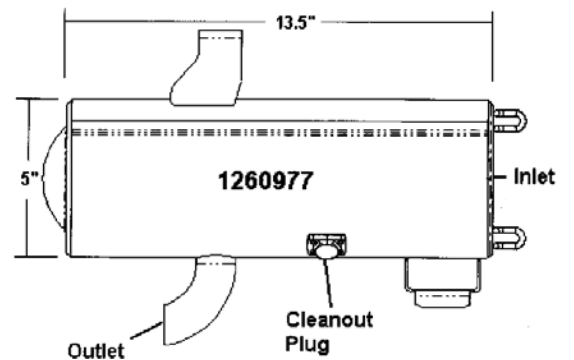
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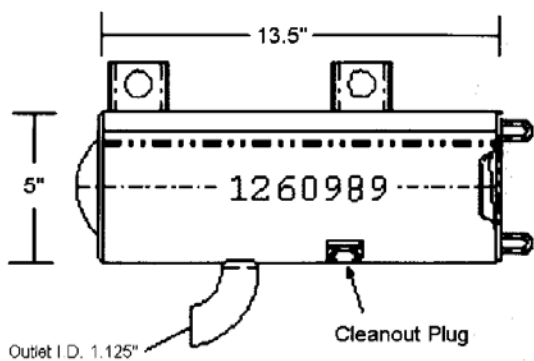
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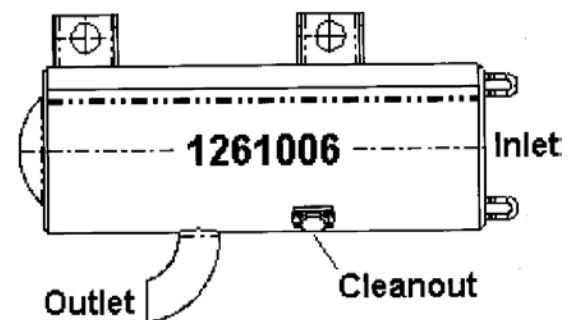
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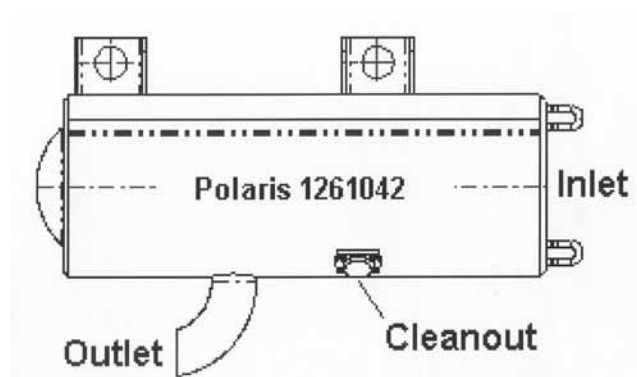
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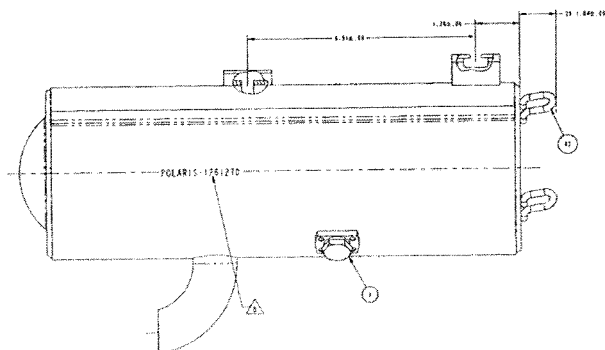
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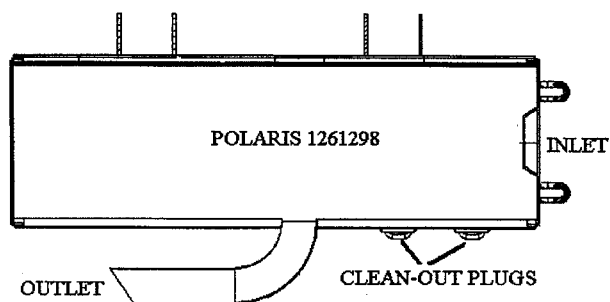
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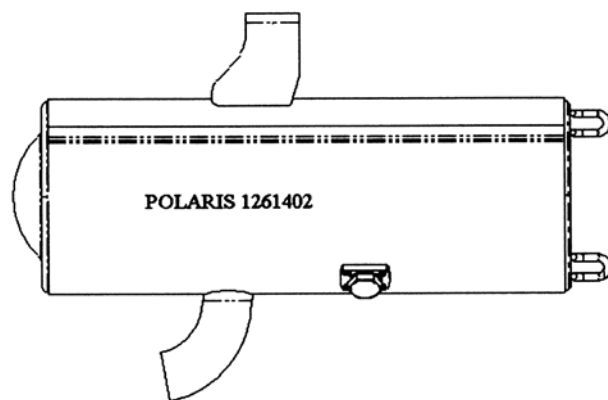
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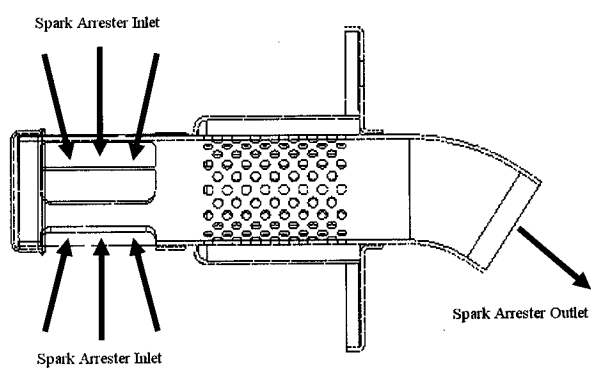
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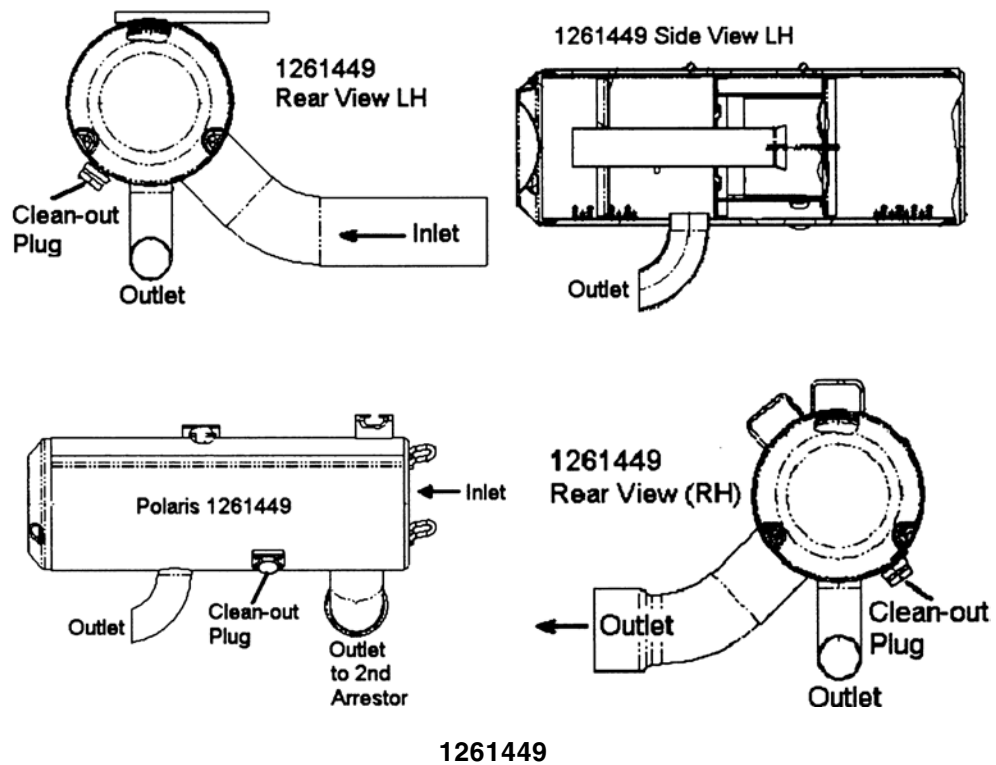
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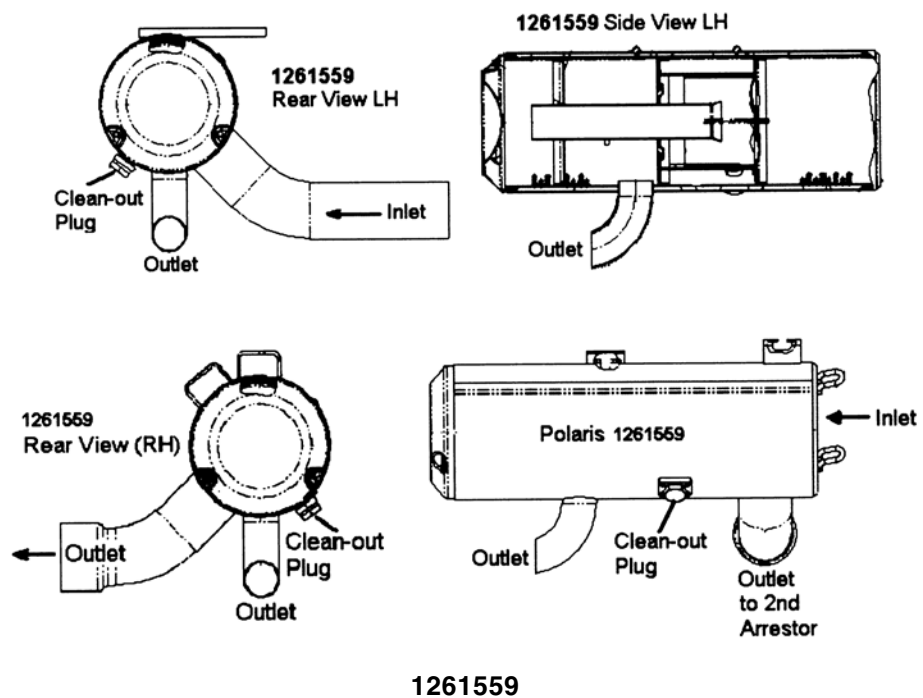
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POLARIS

POLARIS



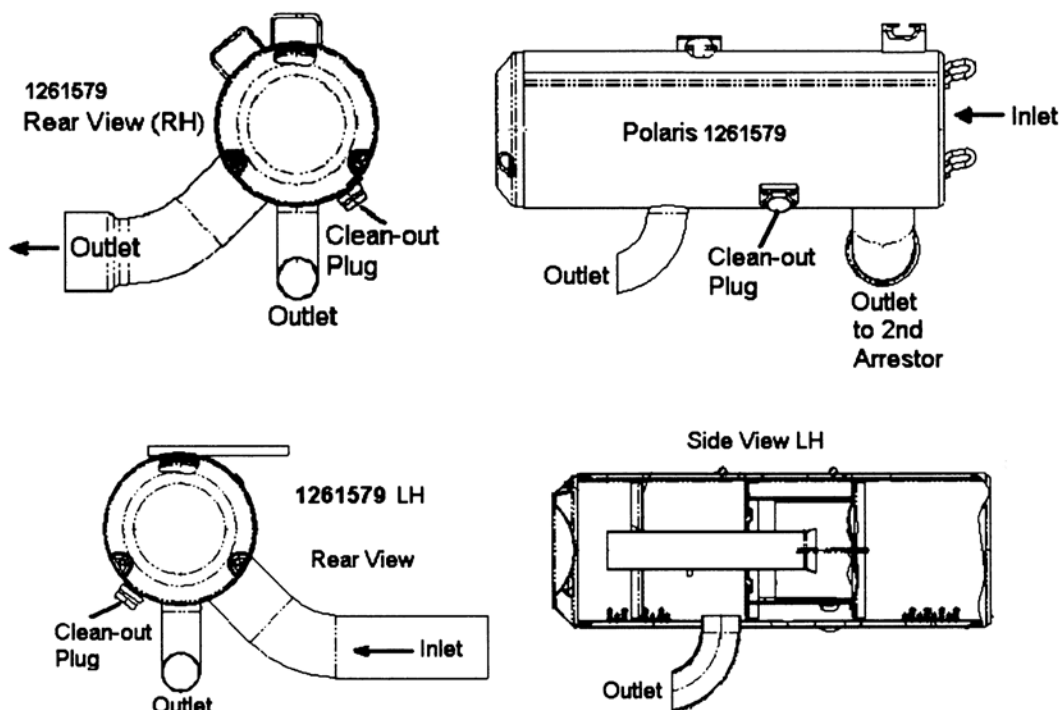
Note* dual spark arrestor system



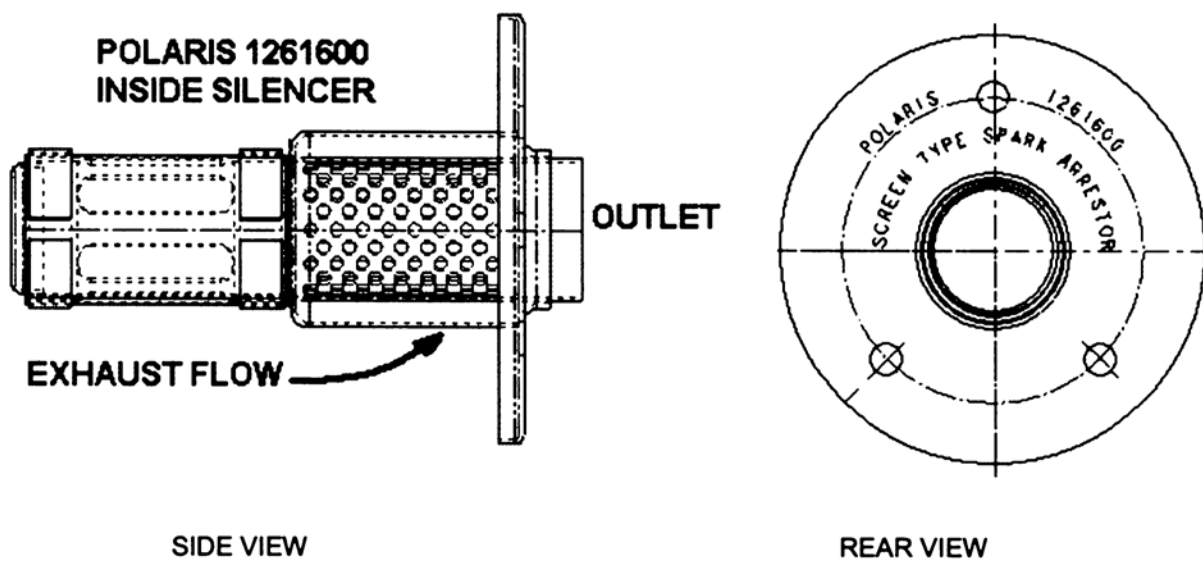
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POLARIS

Note* dual spark arrestor system



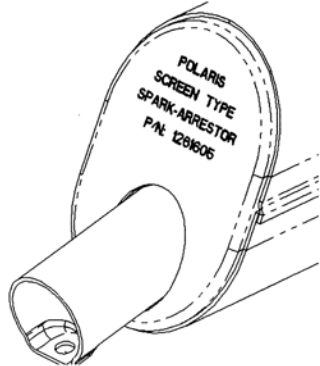
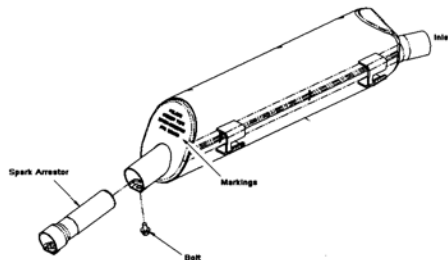
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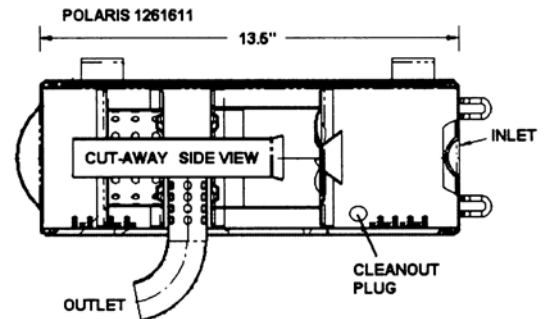
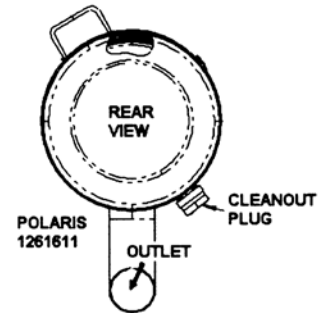
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POLARIS

POLARIS

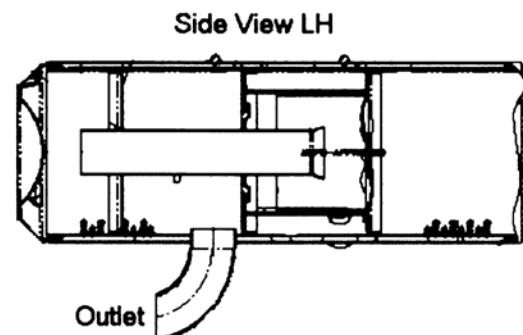
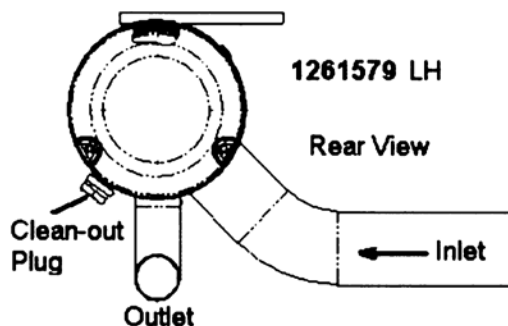
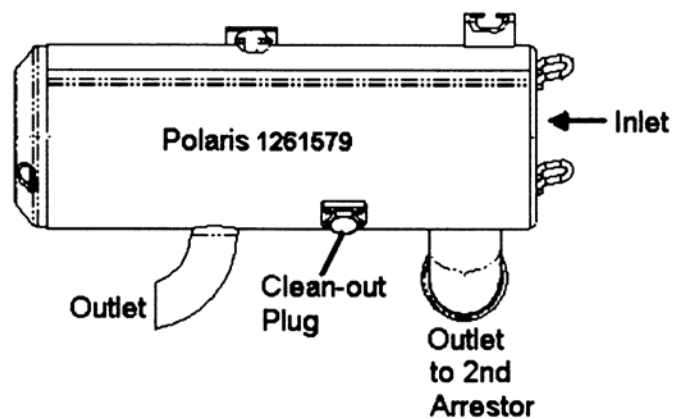
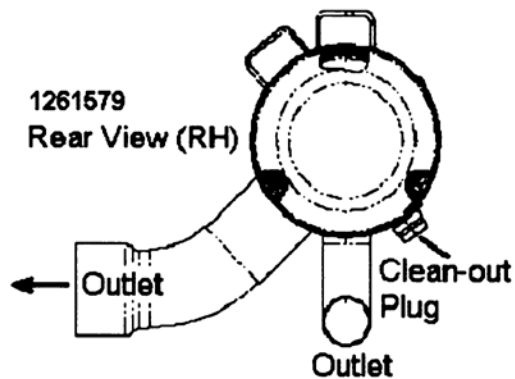


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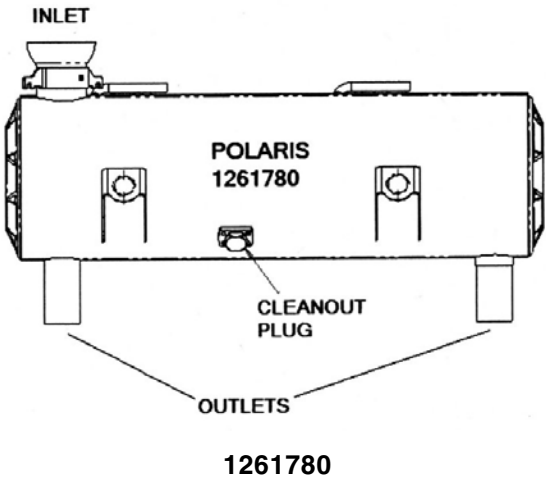
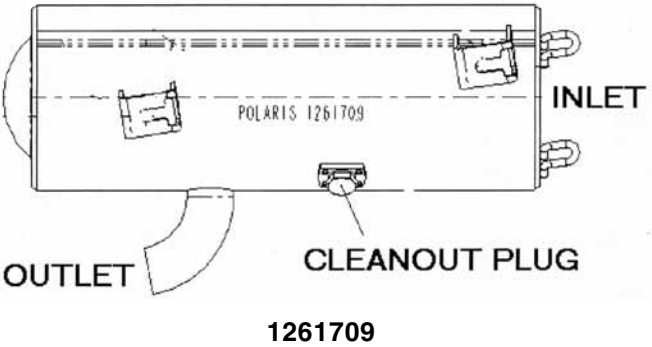
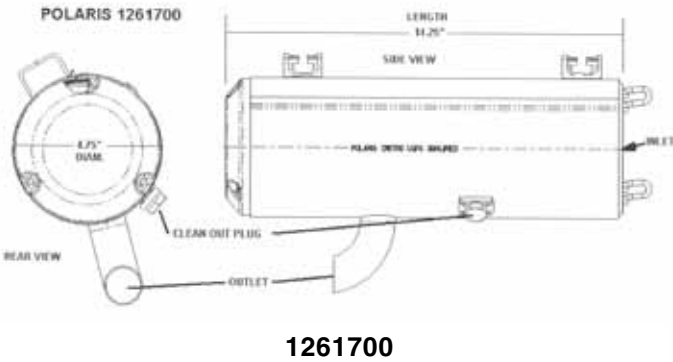
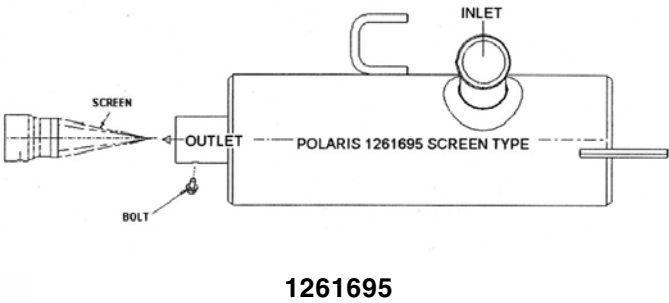
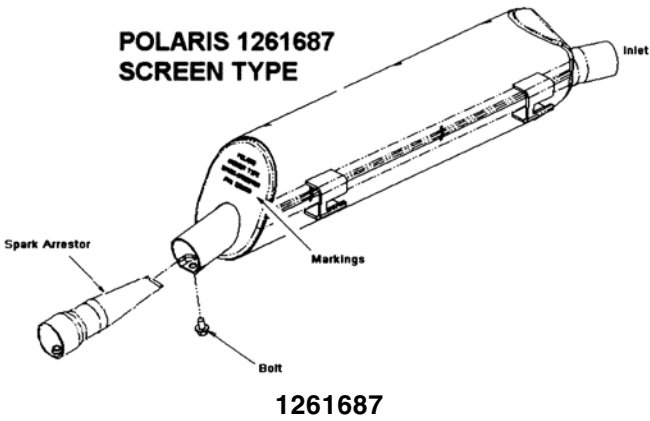
Note* dual spark arrester system



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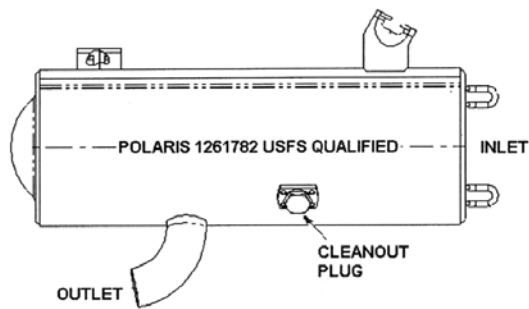
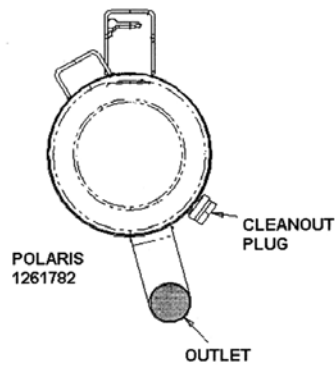
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POLARIS

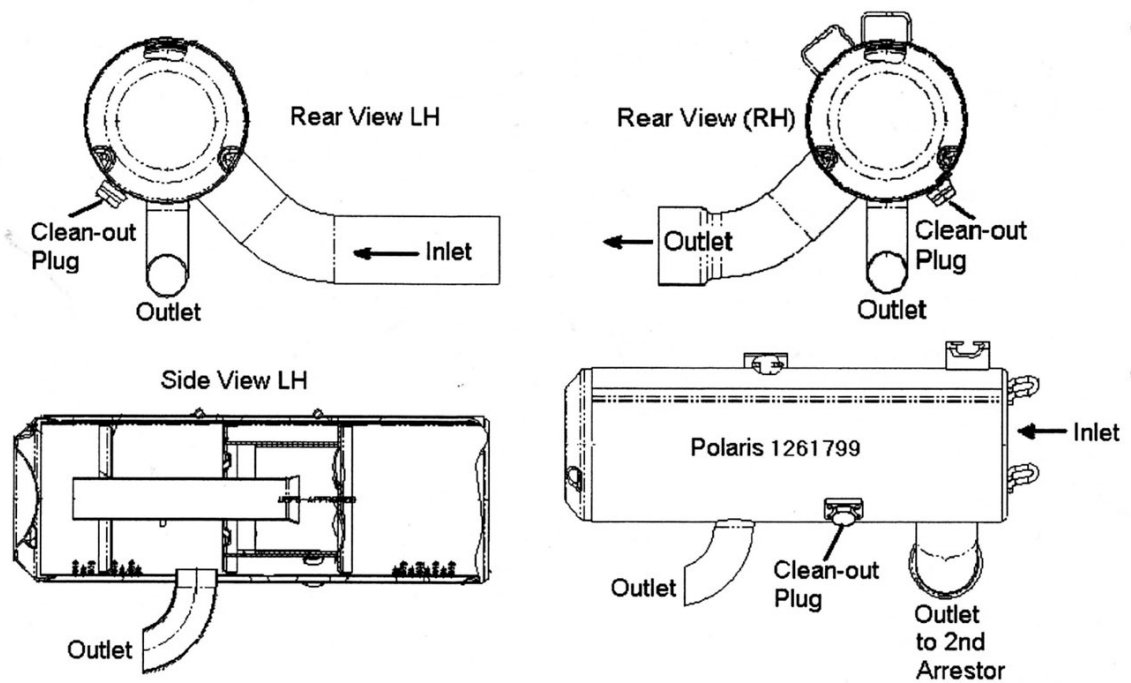


POLARIS

POLARIS



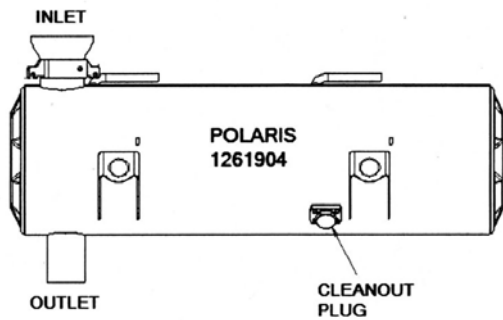
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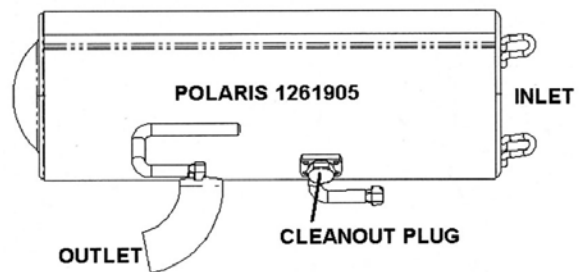
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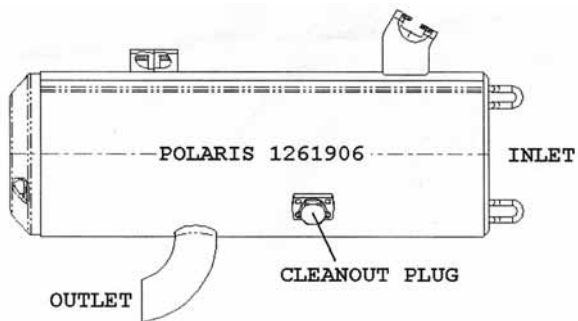
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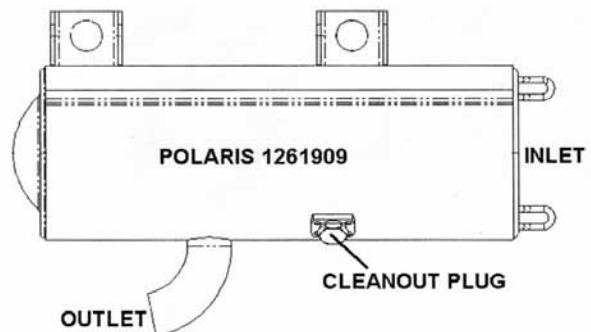
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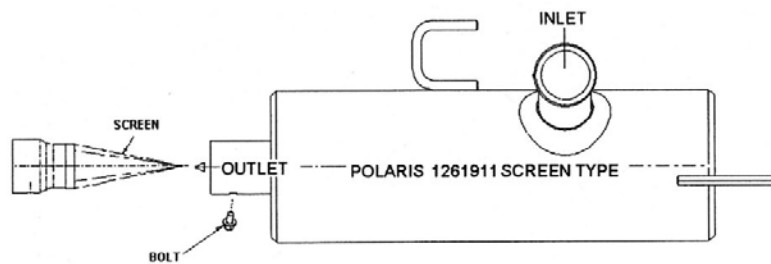
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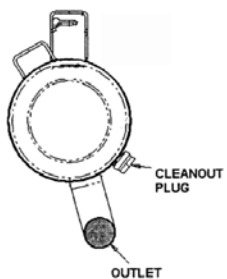
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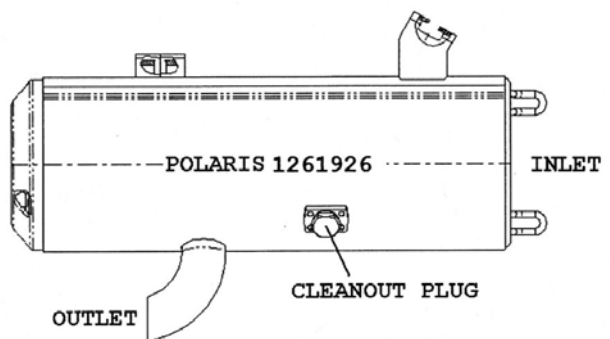
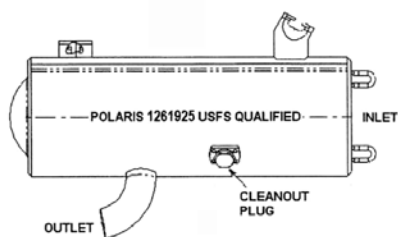
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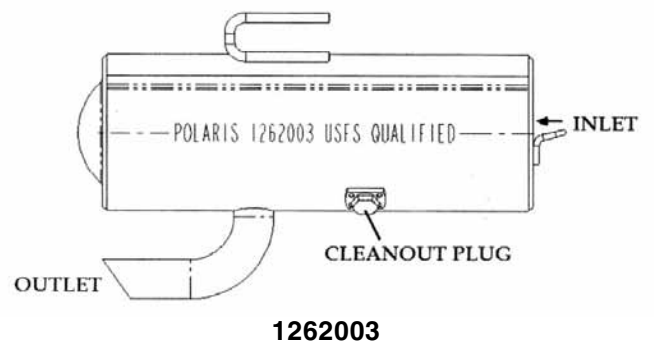
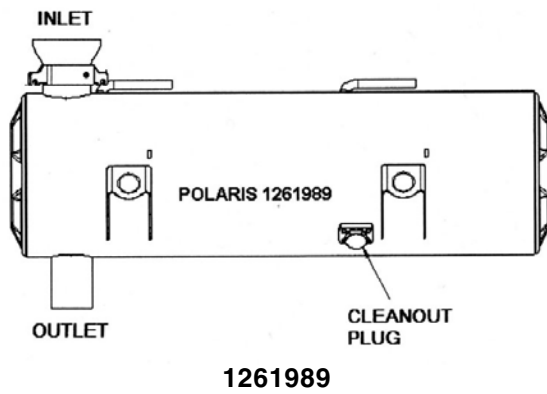
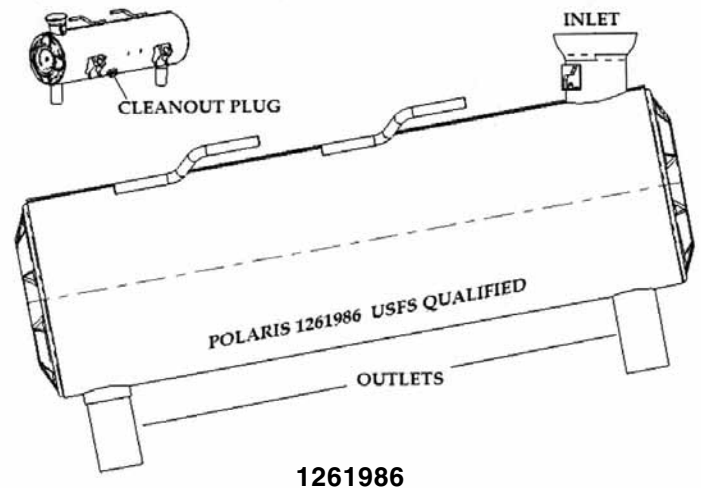
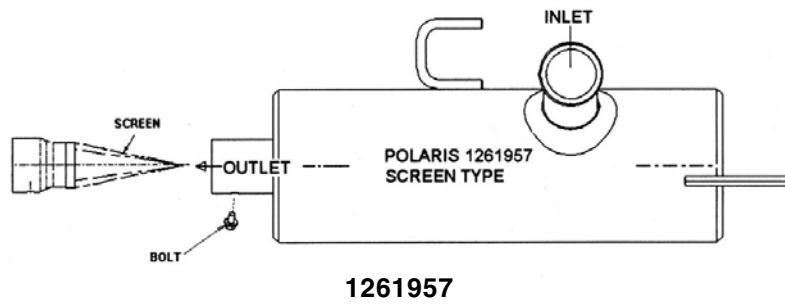
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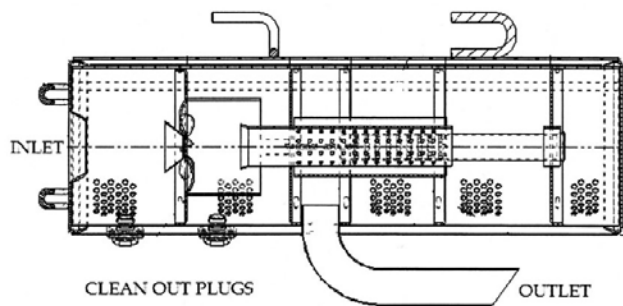
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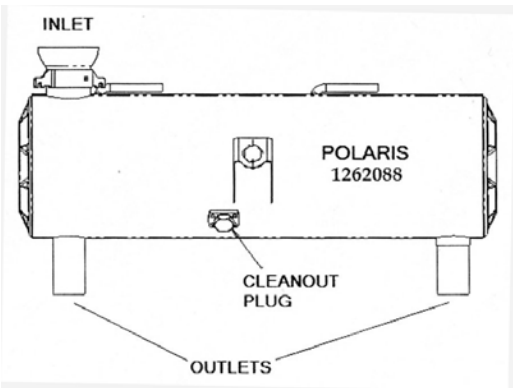


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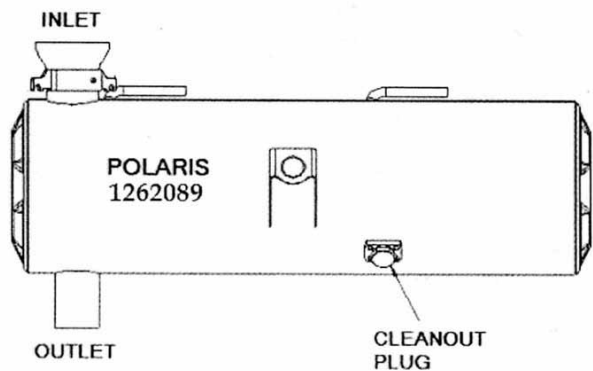
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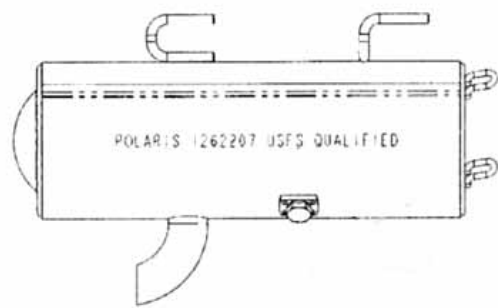
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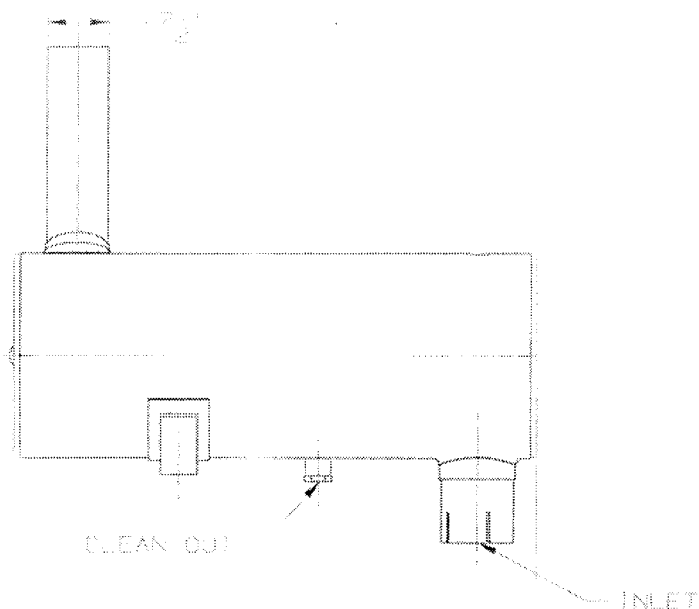
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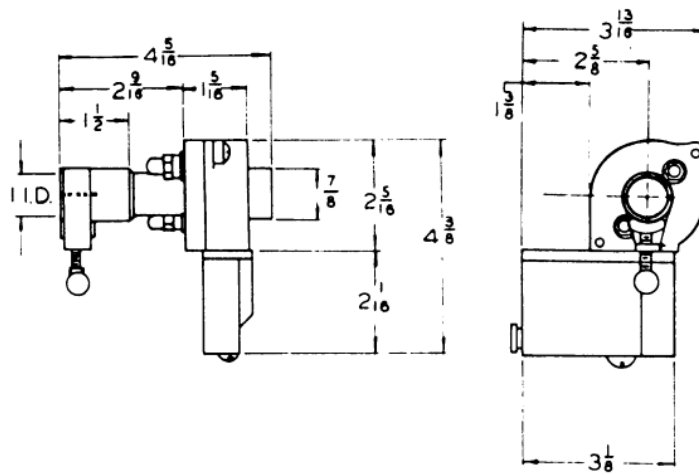
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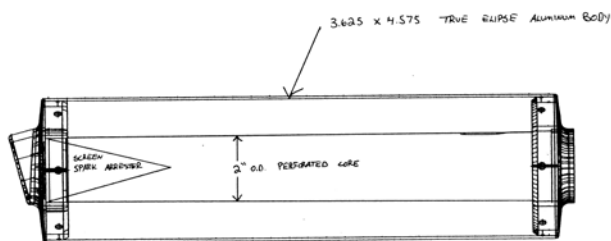
POWELL • PRO ALUMINUM

POWELL

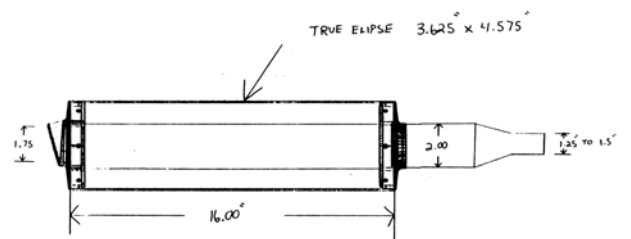


No. "F"

PRO ALUMINUM



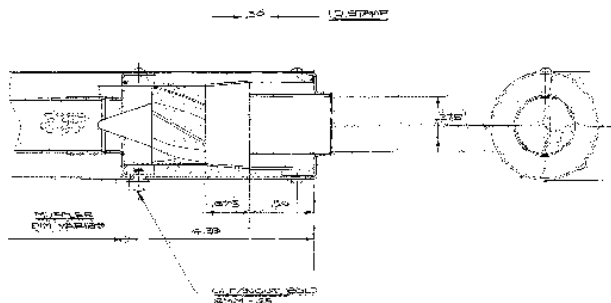
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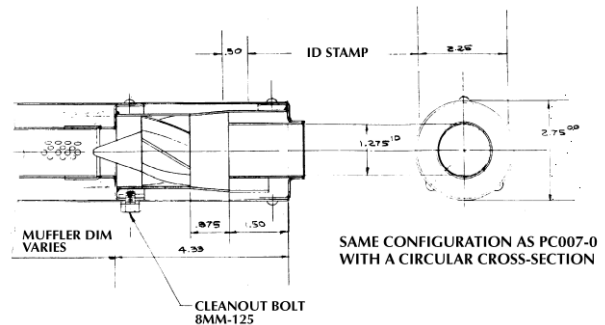
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PRO-CIRCUIT • PRO MOTO BILLET

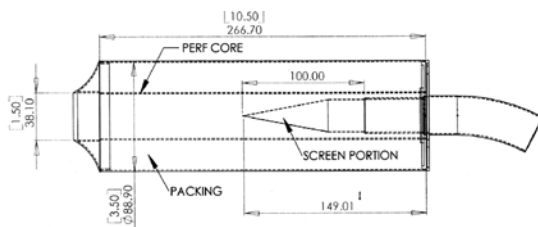
PRO-CIRCUIT



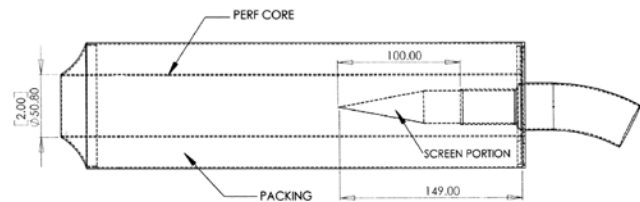
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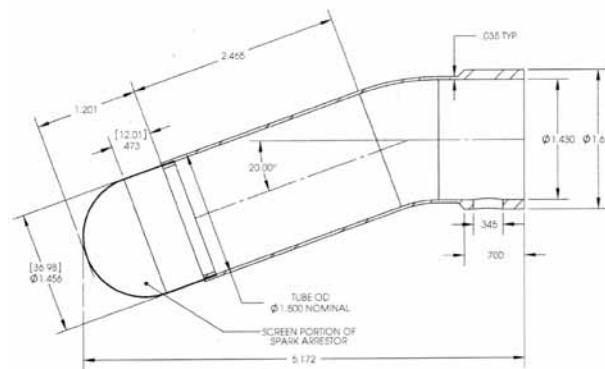
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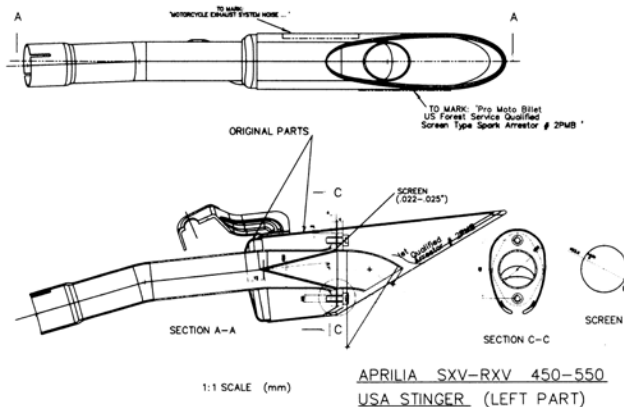


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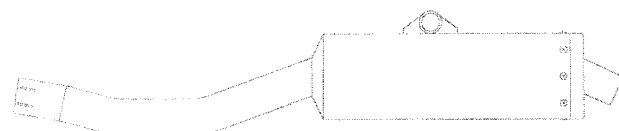


SA-01

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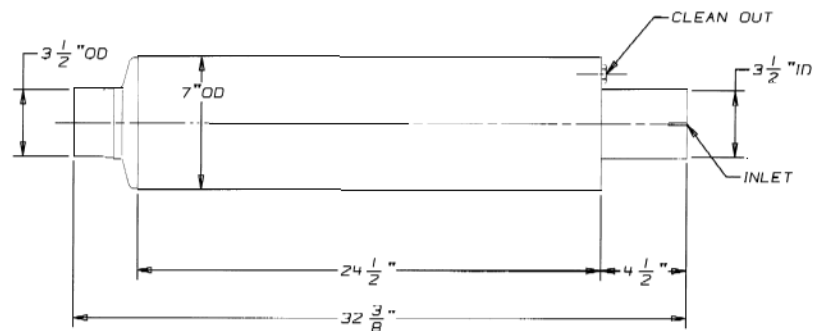


2PMB



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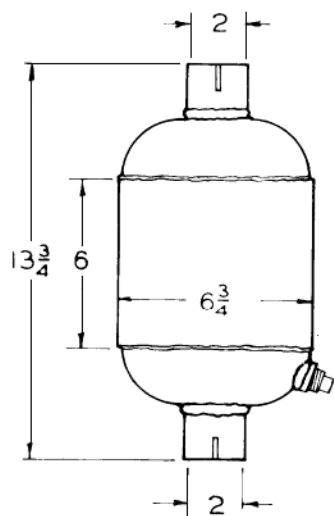
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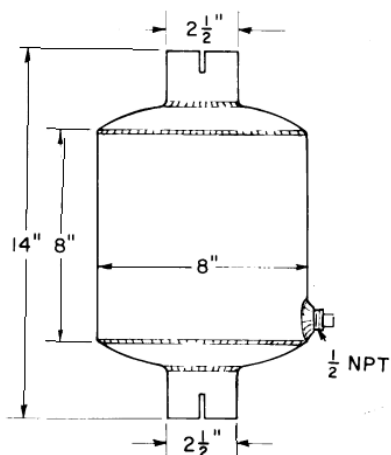
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RIKER

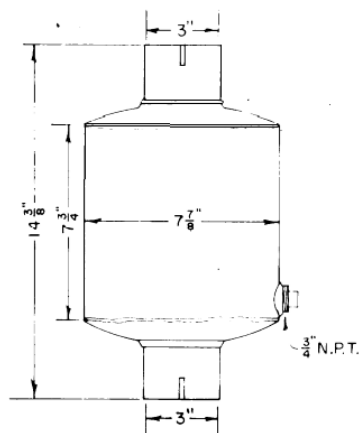
RIKER



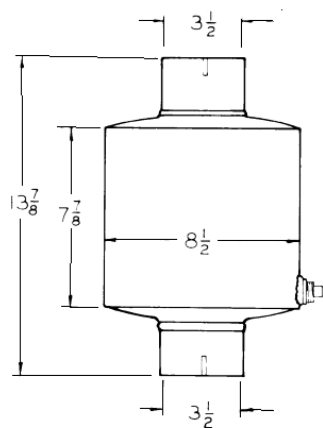
SA-200



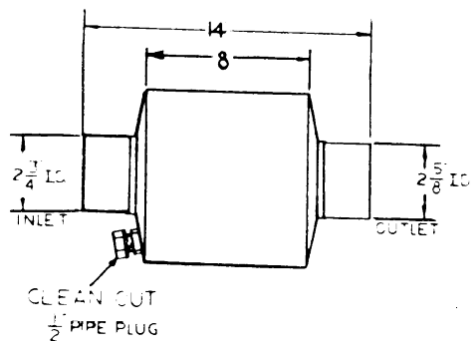
SA-250



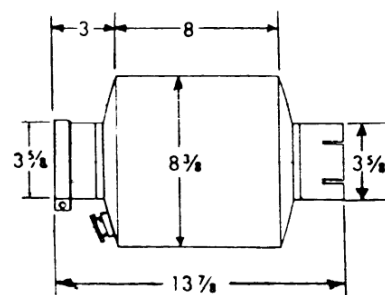
SA-300



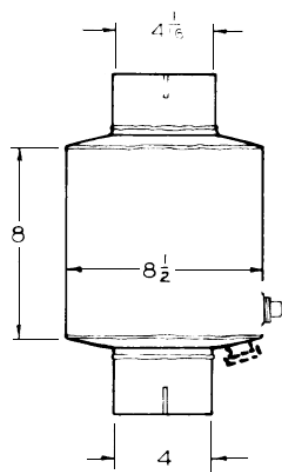
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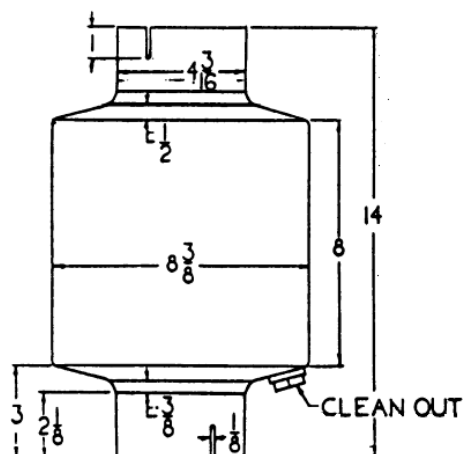
**SA-350-1
Mod SA-350**



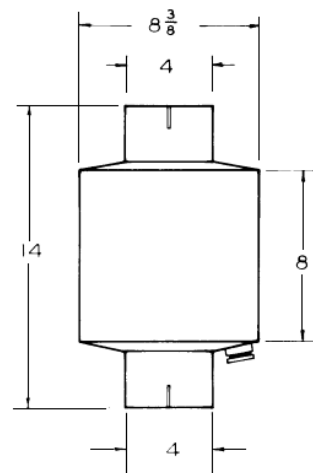
SA-353



SA-400



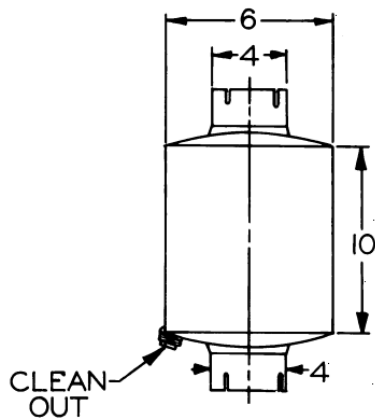
SA-400A



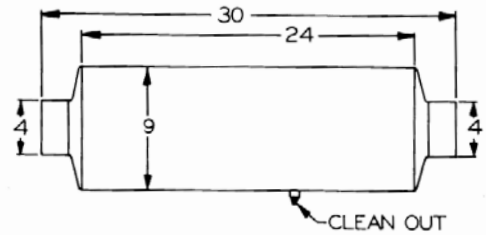
SA-401

RIKER • ROBIN AMERICA

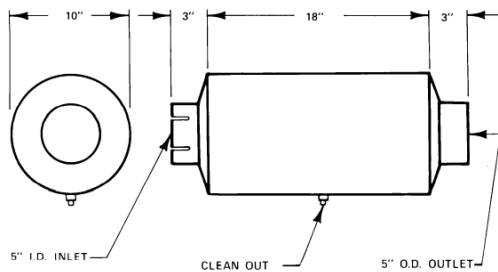
RIKER



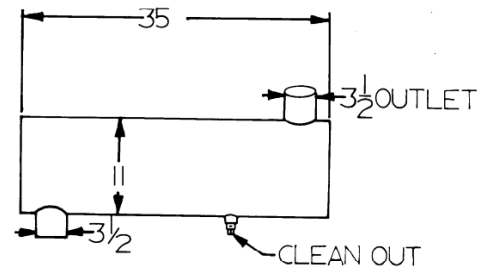
SA-408



SA-409
Modified SA-408

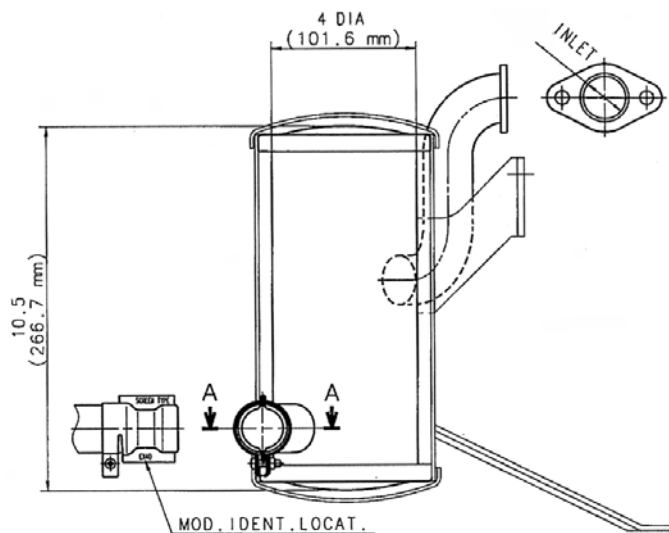


SA-500

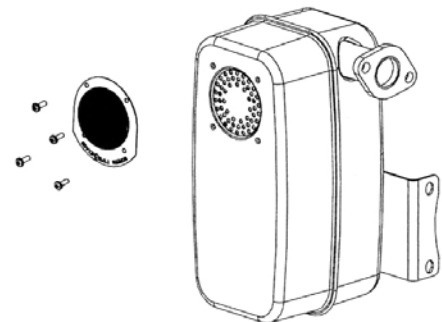


SA-6762
Modified SA-408

ROBIN AMERICA



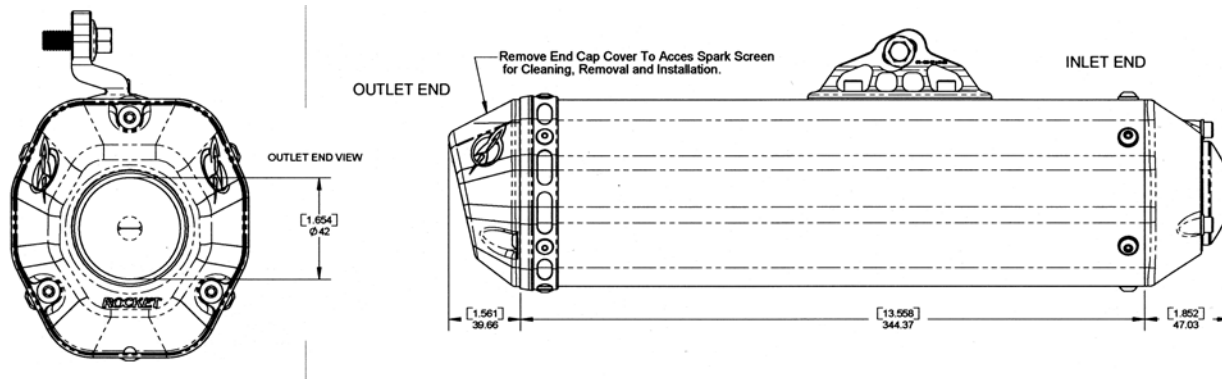
EX40



EX40B

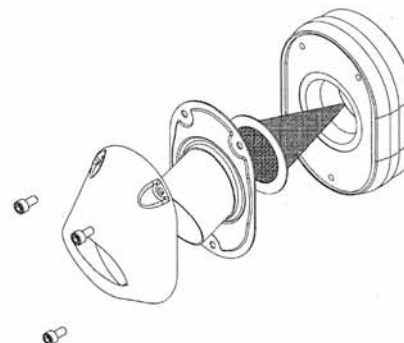
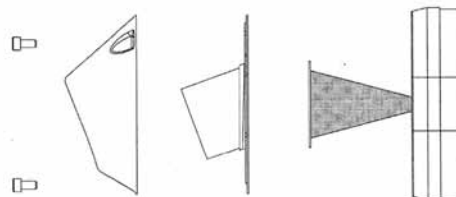
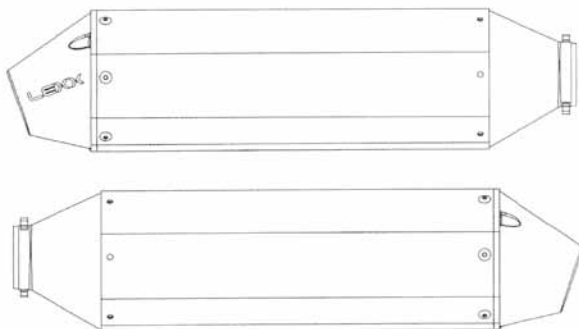
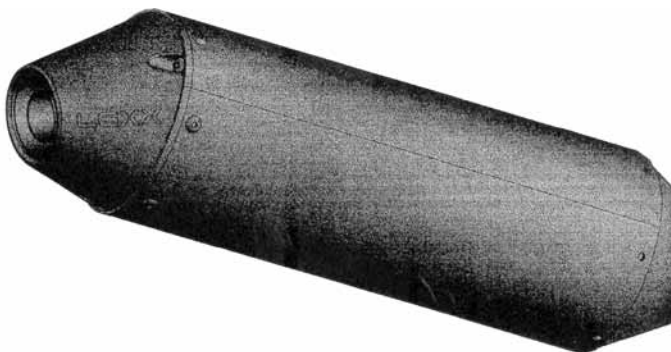
ROCKET EXHAUST • ROCKY MOUNTAIN ATV

ROCKET EXHAUST



Silencer 1

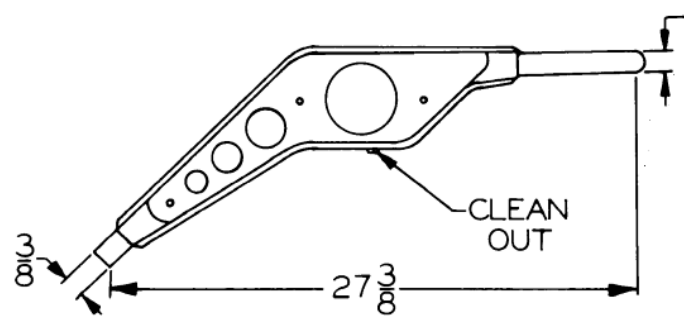
ROCKY MOUNTAIN ATV



LEXX 120-007A/B/C

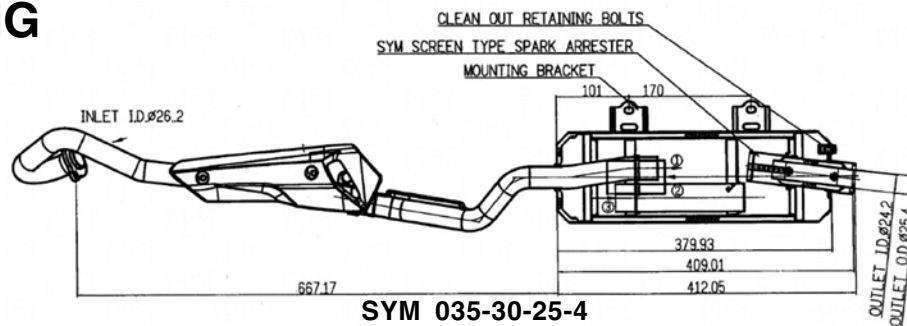
RUPP • SANYANG

RUPP

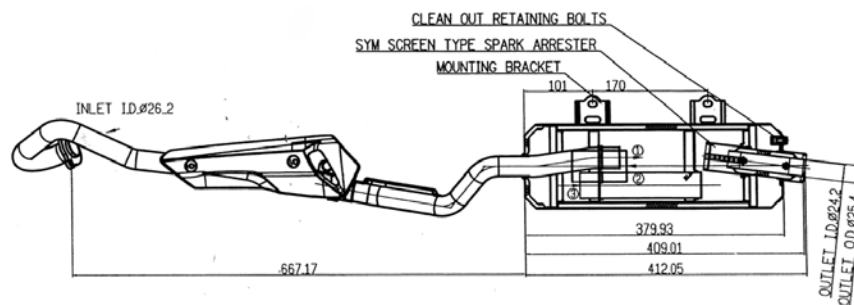


32004

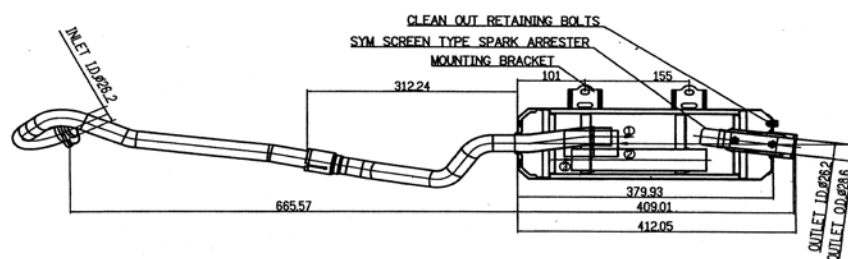
SANYANG



SYM 035-30-25-4



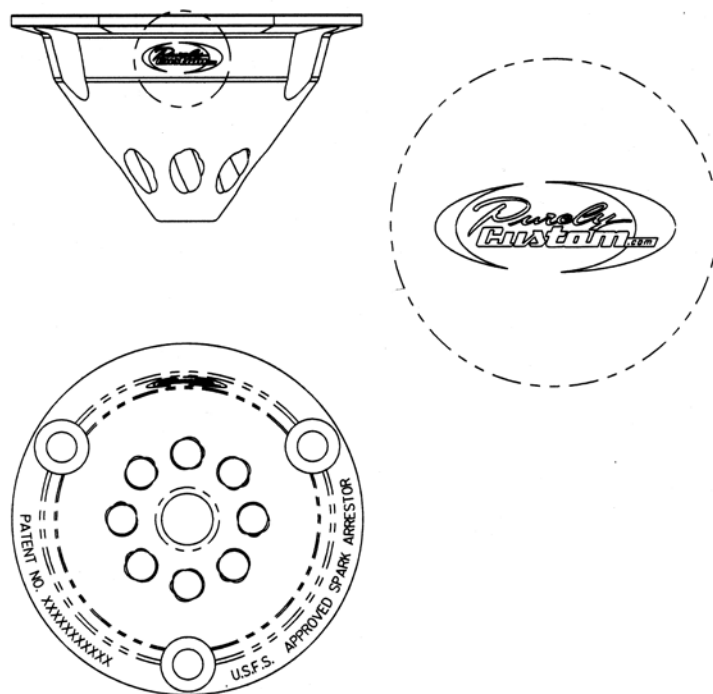
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SYM 035-30-28-6

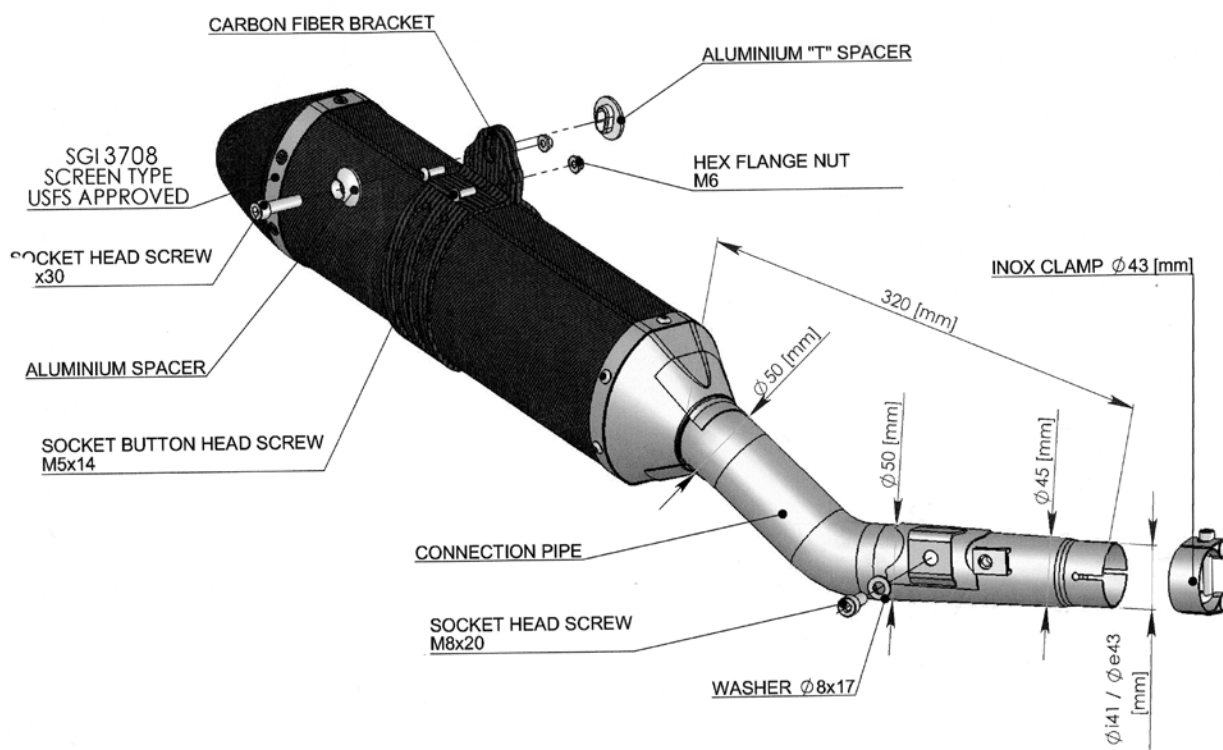
SEASTROM • SITO GRUPPO INDUSTRIALE (SGI)

SEASTROM



QP

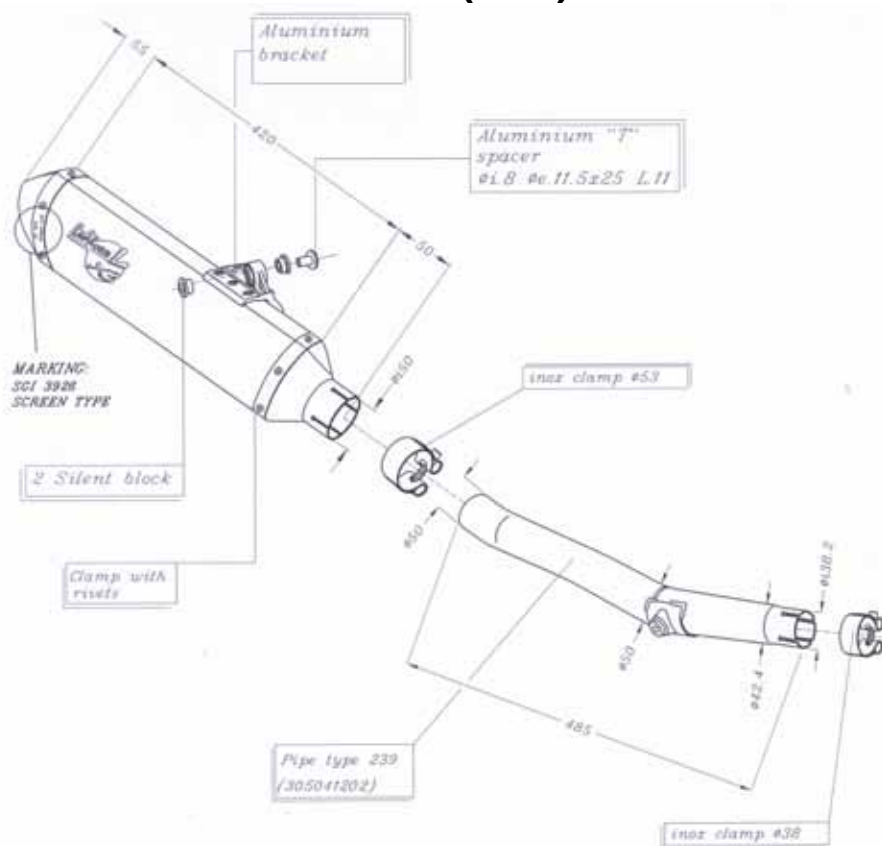
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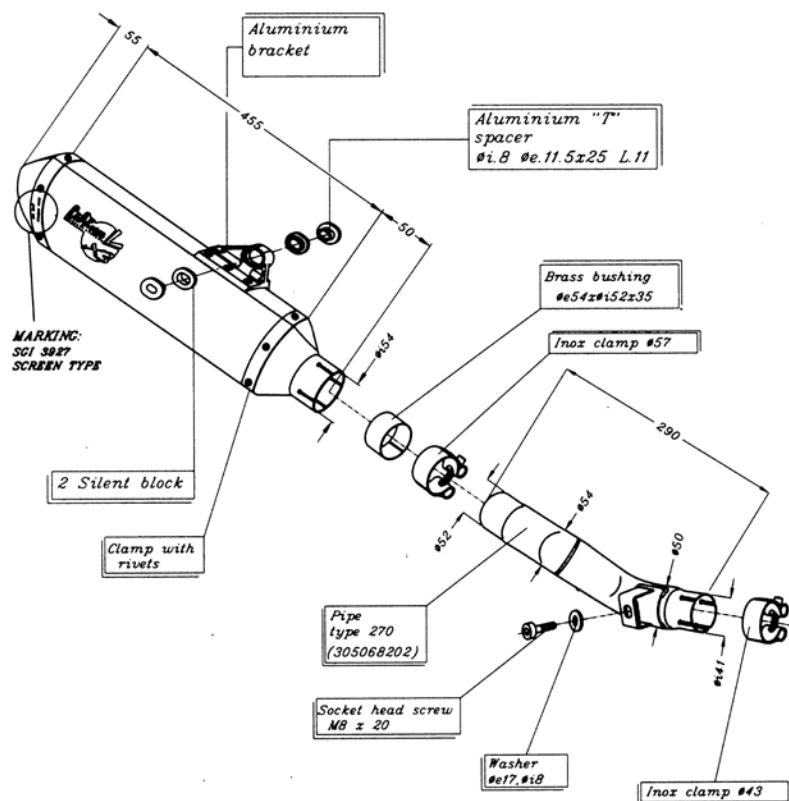
SGI 3708

SITO GRUPPO INDUSTRIALE (SGI)

SITO GRUPPO INDUSTRIALE (SGI)



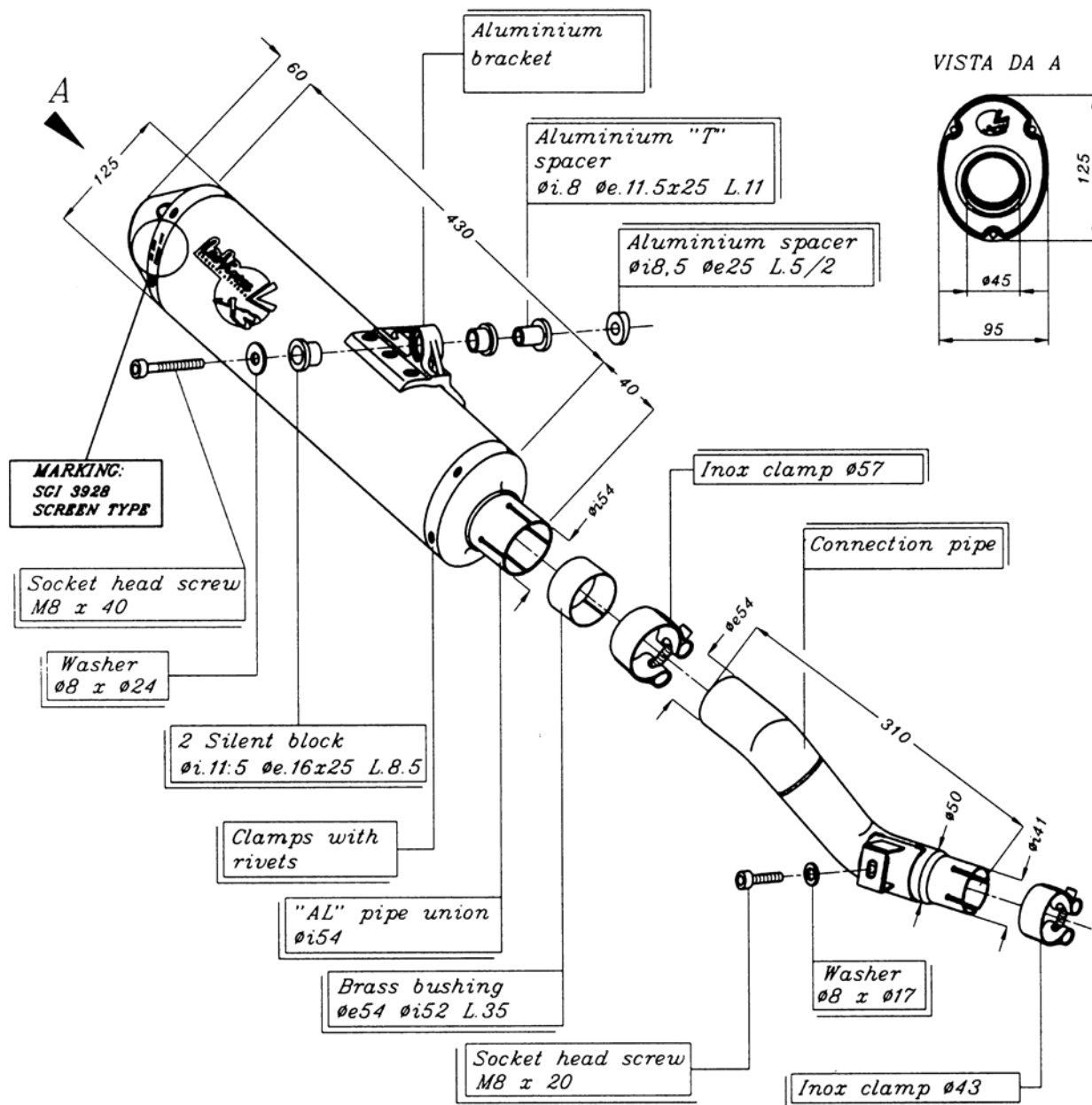
SGI 3926



SGI 3927

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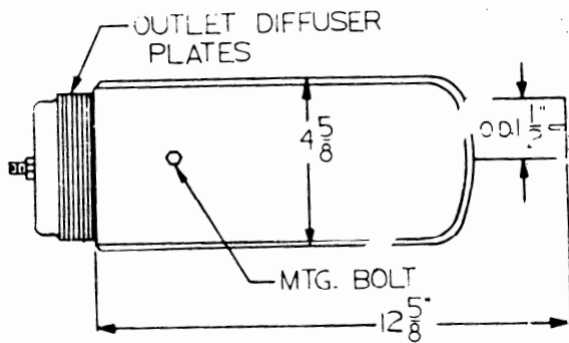
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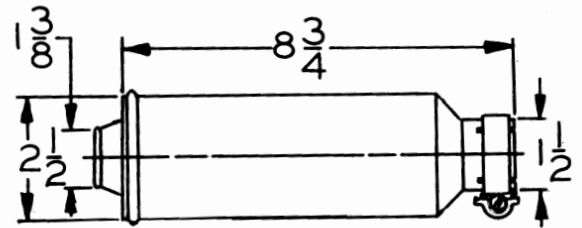
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SKYWAY • SKYWAY-COBRA

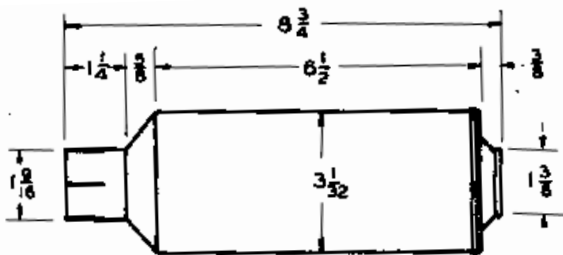
SKYWAY



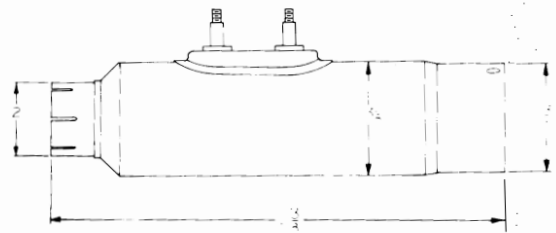
1000



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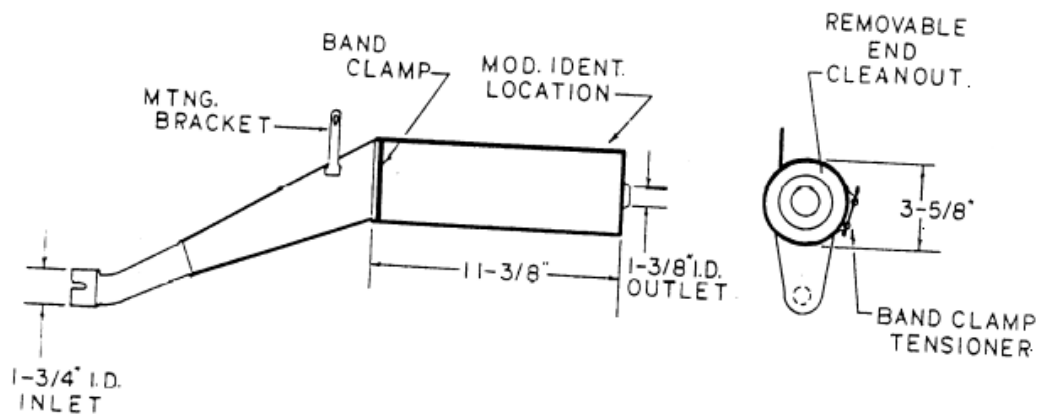


300



510

SKYWAY-COBRA



300-1

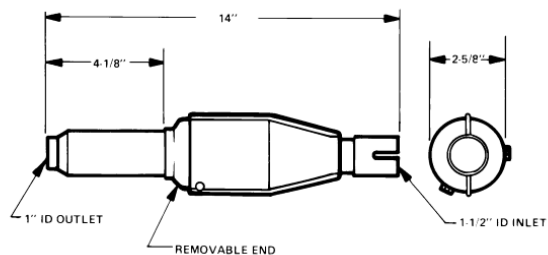
SOUNDMASTER • SPARESTER

SOUNDMASTER

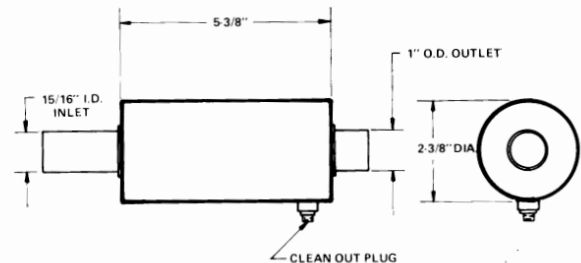
No diagrams available:

Refer to General Purpose Qualification Table
at end of section for rating.

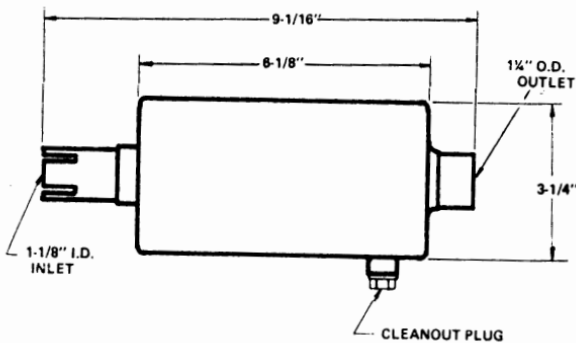
SPARESTER



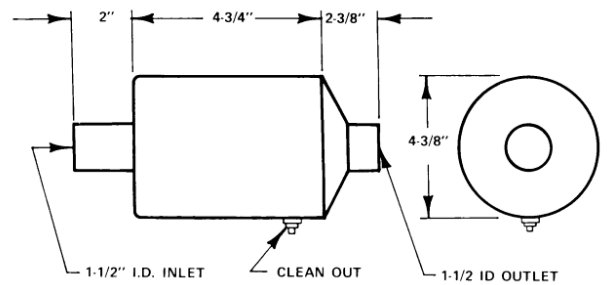
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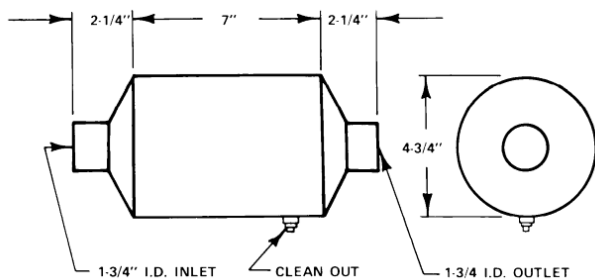
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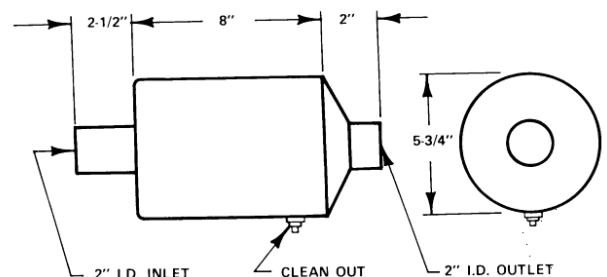
801



SA-100



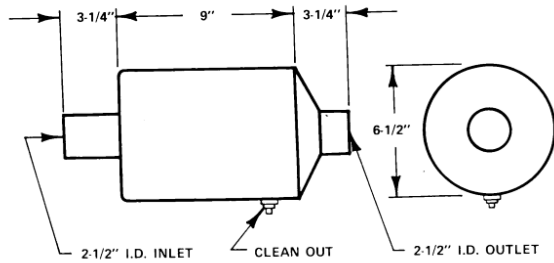
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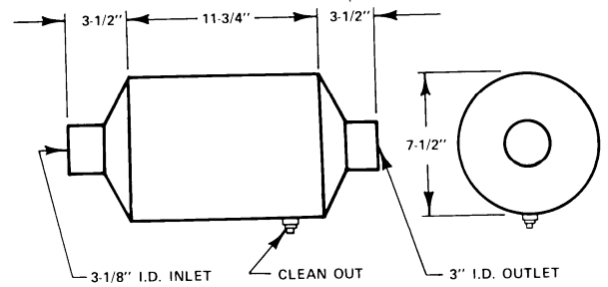
SA-140

SPARESTER • SPARKY

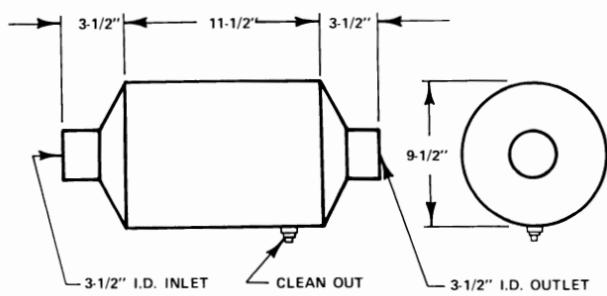
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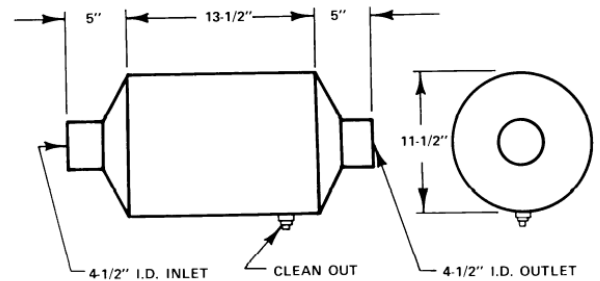
SA-160



SA-190

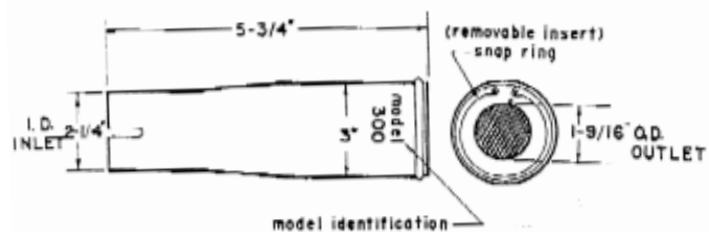


SA-240



SA-280

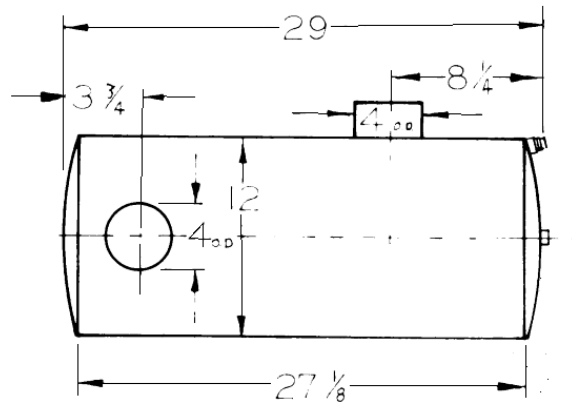
SPARKY



300 SPARKY

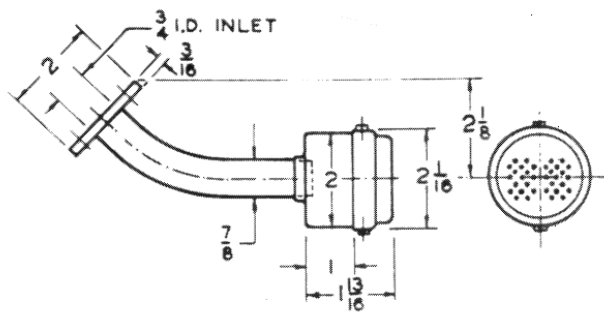
STEMCO • STRADER • SUMMIT INDUSTRIES

STEMCO

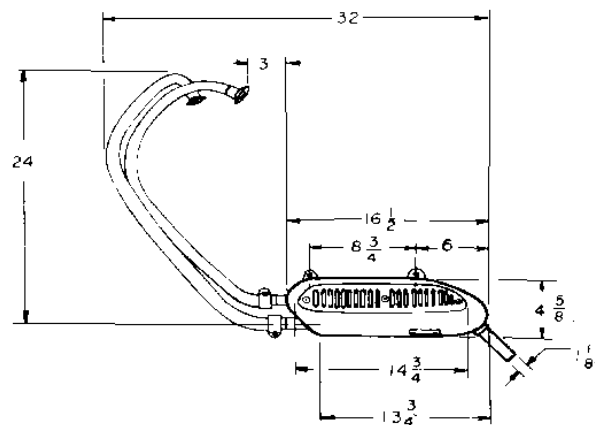


595M

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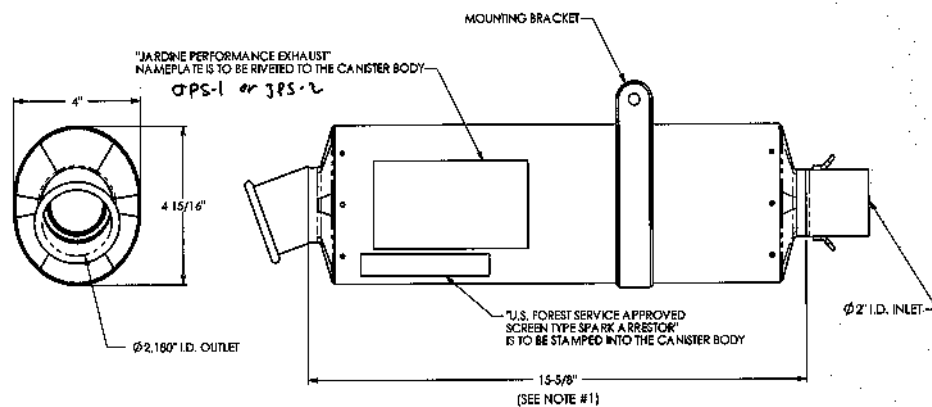


200



400

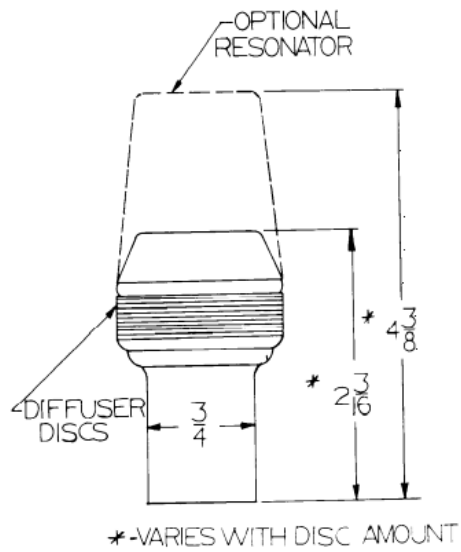
SUMMIT INDUSTRIES



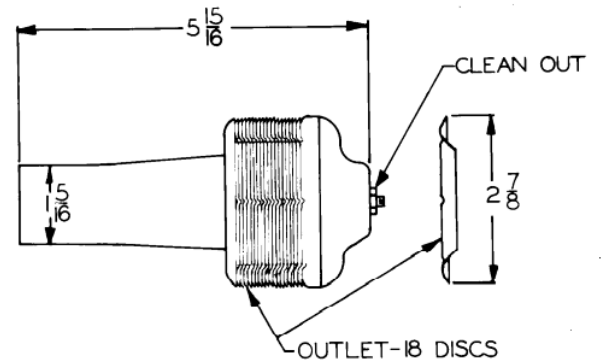
JPS-1
JPS-2

SUPERTRAPP • SUZUKI

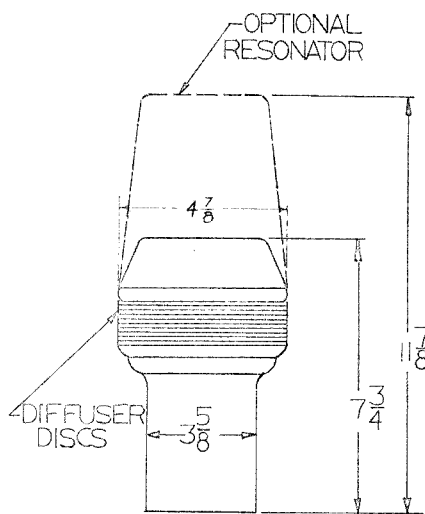
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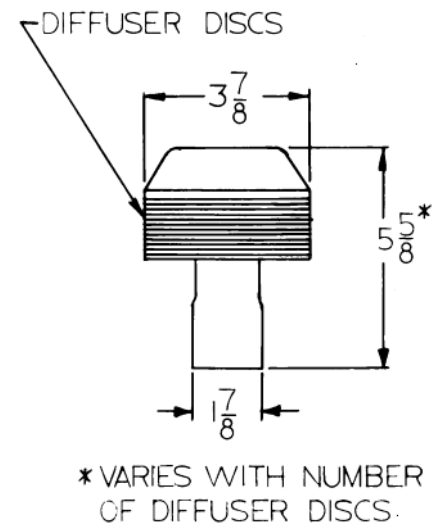
T-99



T-100

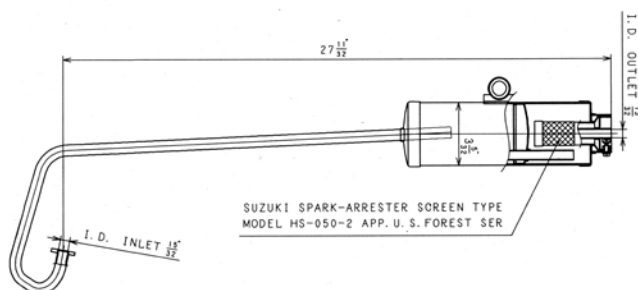


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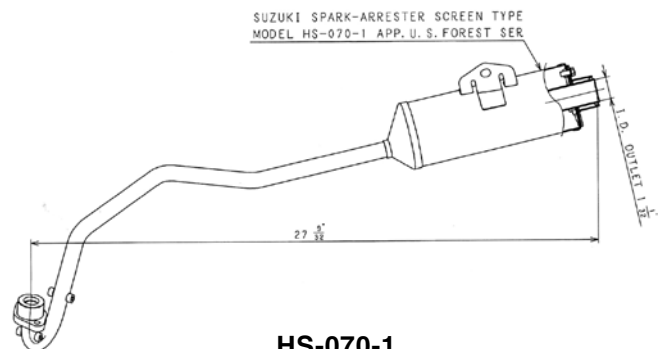


T-102

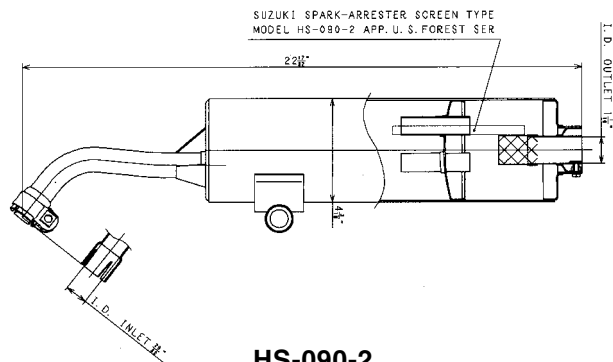
SUZUKI



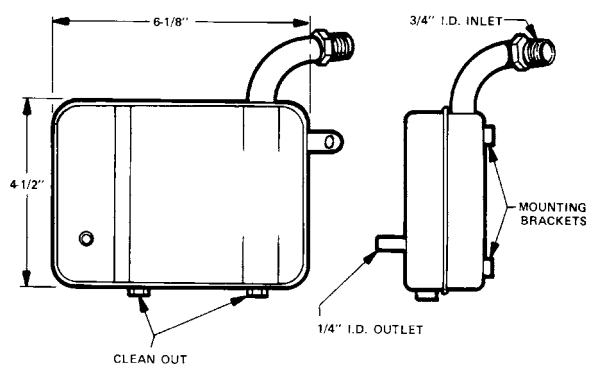
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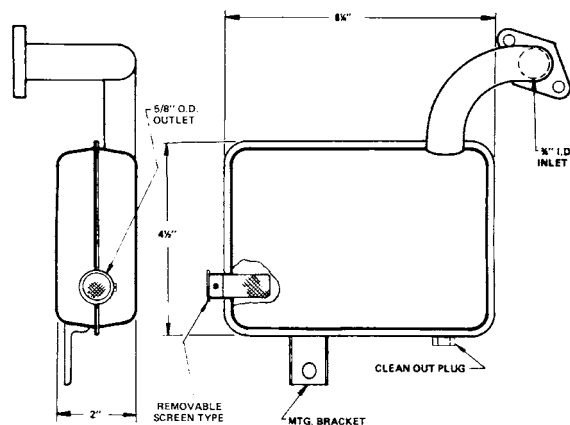
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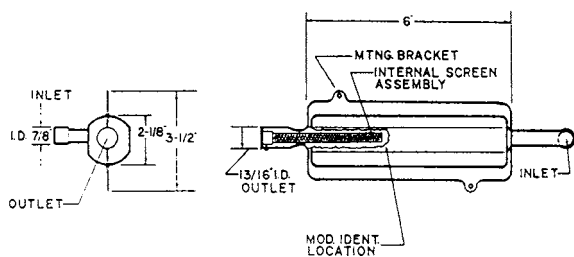
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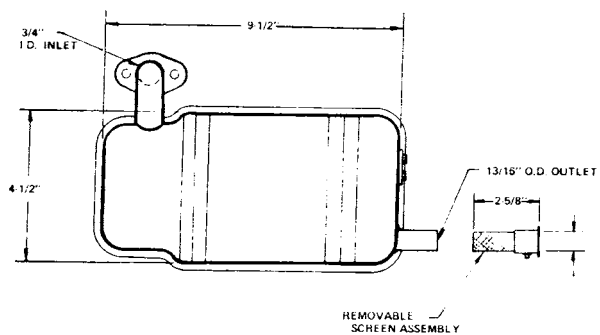
HS-1



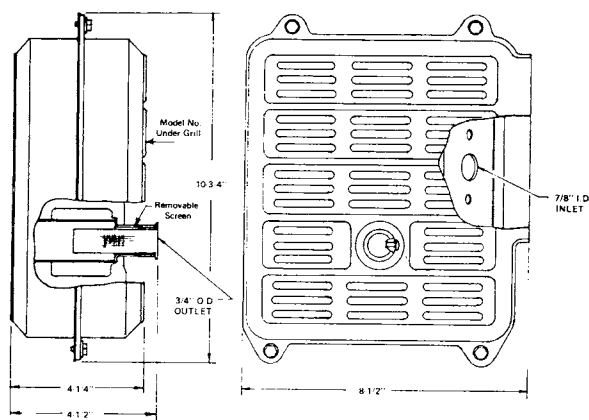
HS-2



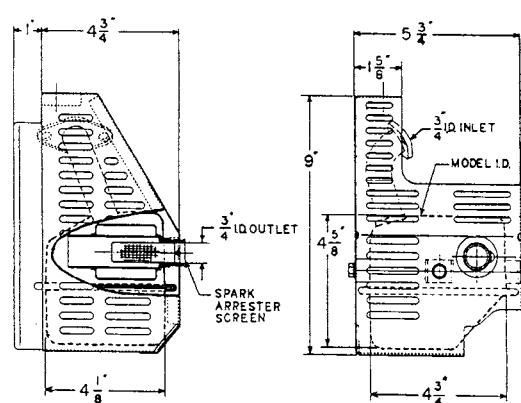
HS-3



HS-4



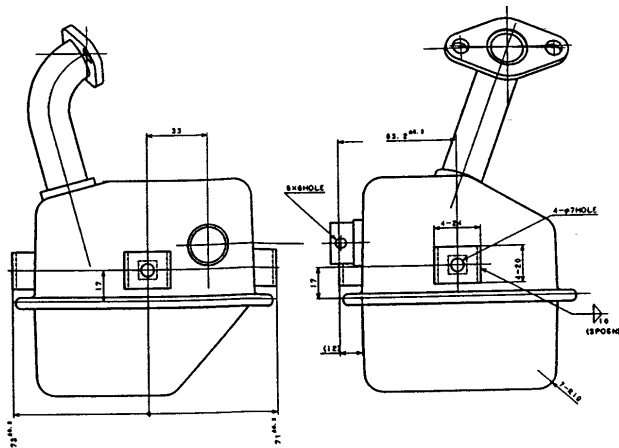
HS-5



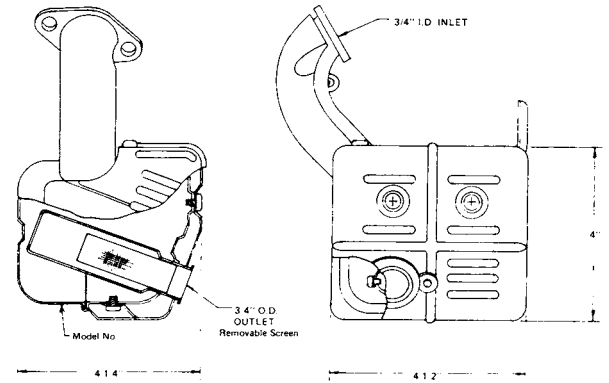
HS-5A

SUZUKI

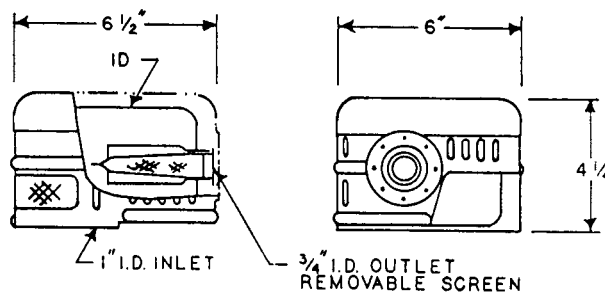
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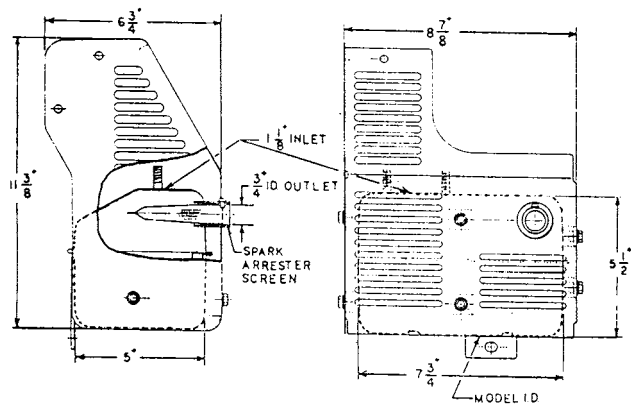
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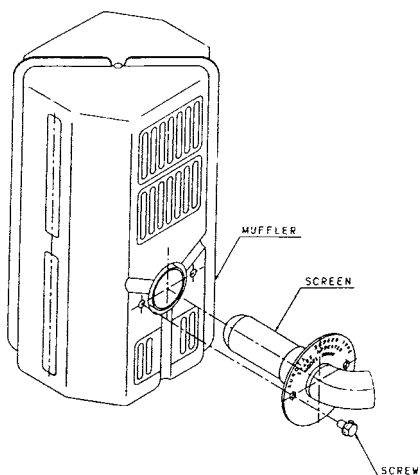
HS-6



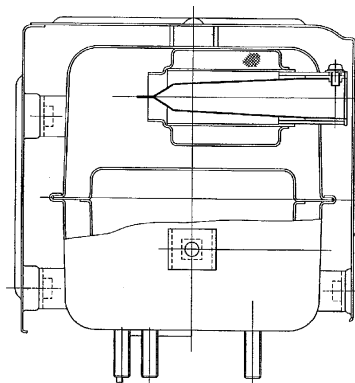
HS-7



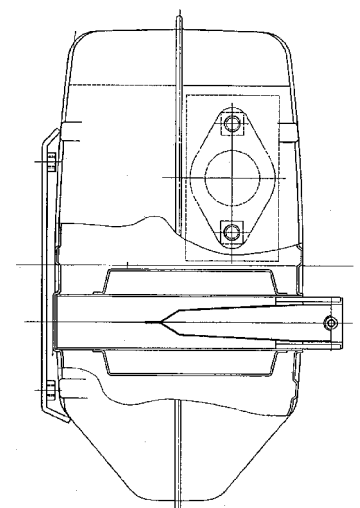
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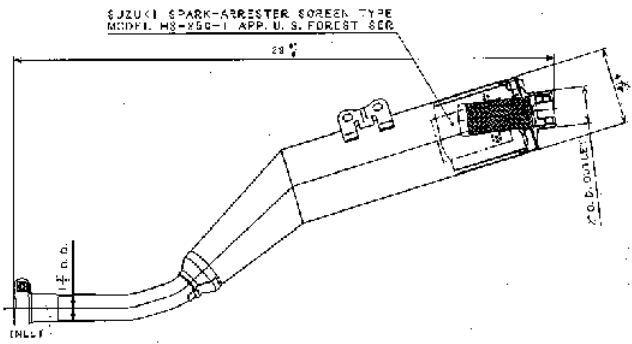
HS-8



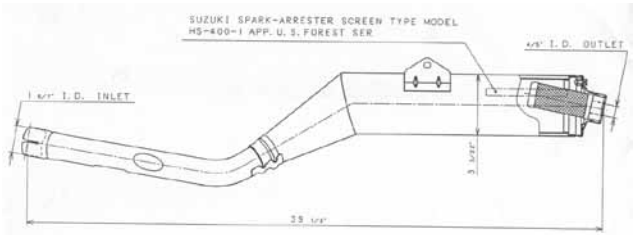
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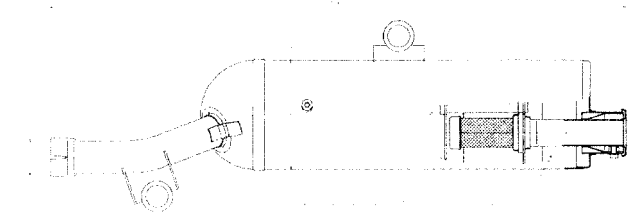
HS-10



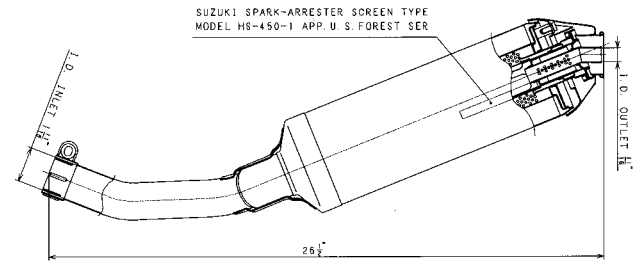
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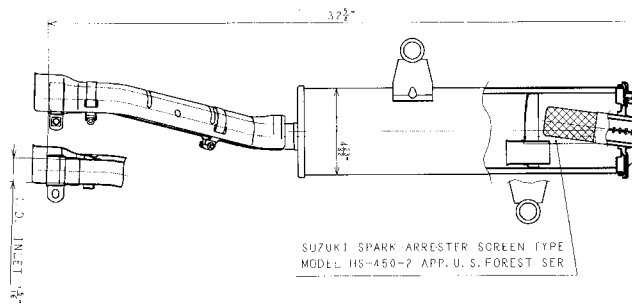
HS-400-1



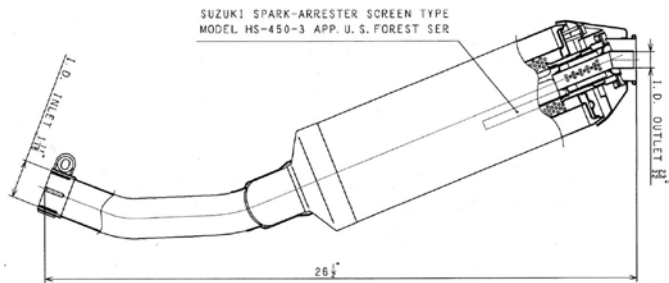
HS-400-4



HS-450-1



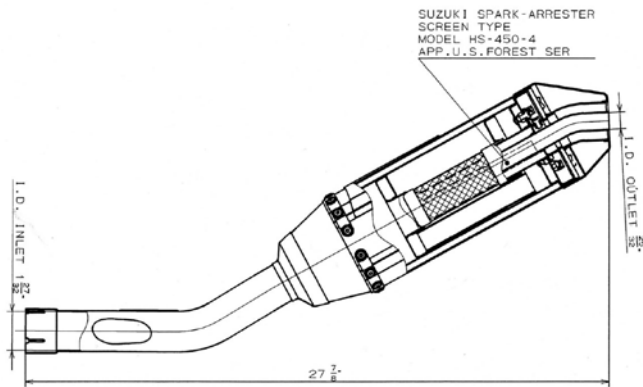
HS-450-2



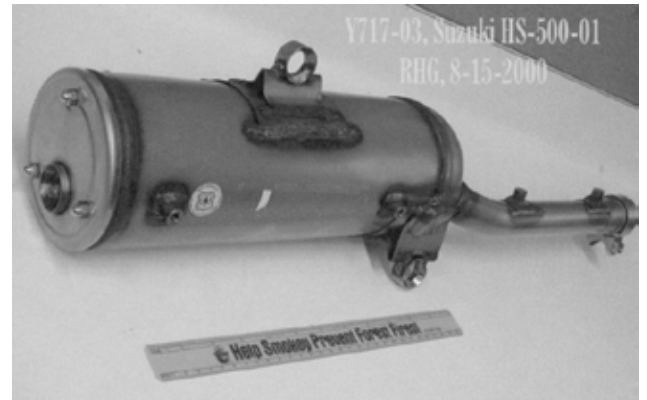
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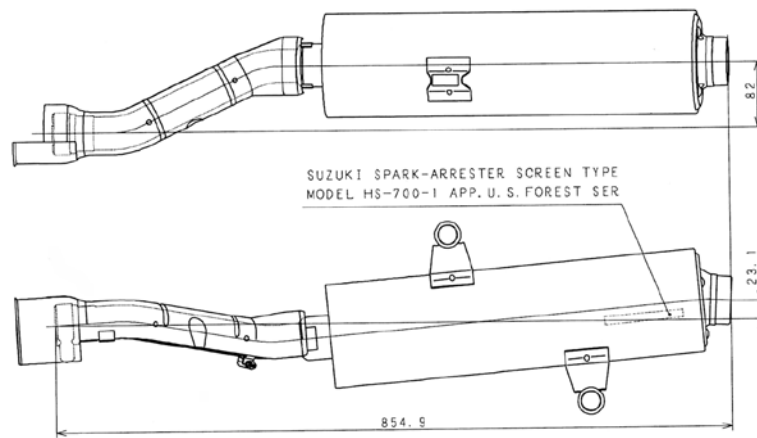
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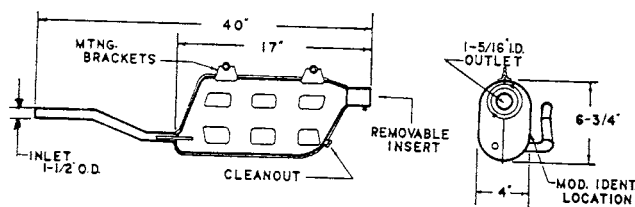
HS-700-1



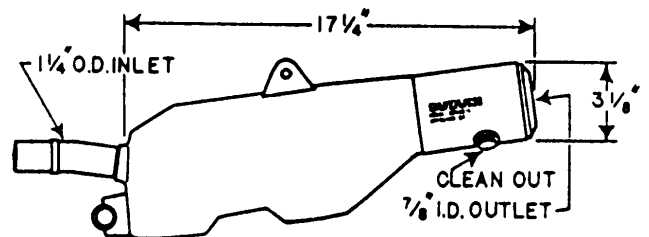
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HS-700-1



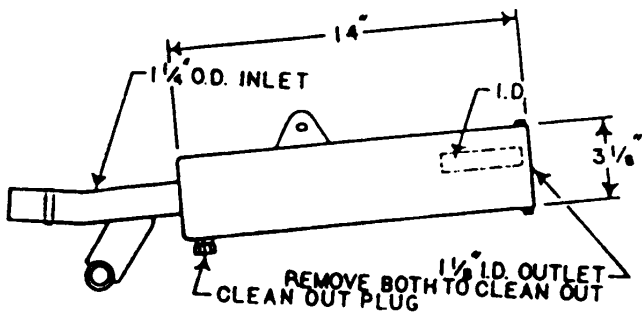
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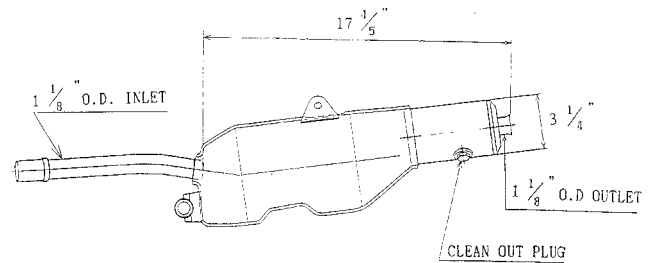
KS-450-1

SUZUKI • SUZUKI-KRIZMAN

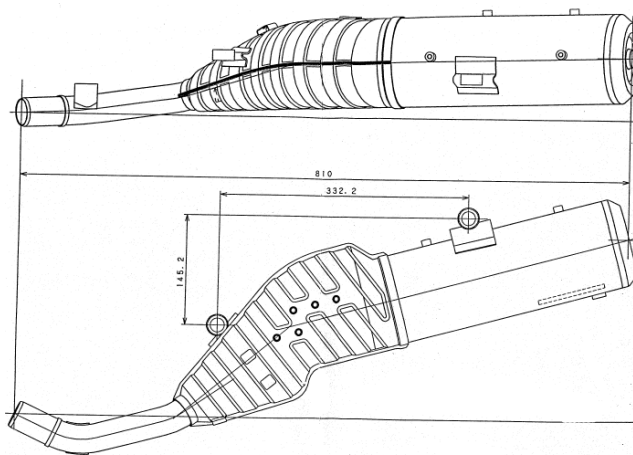
SUZUKI



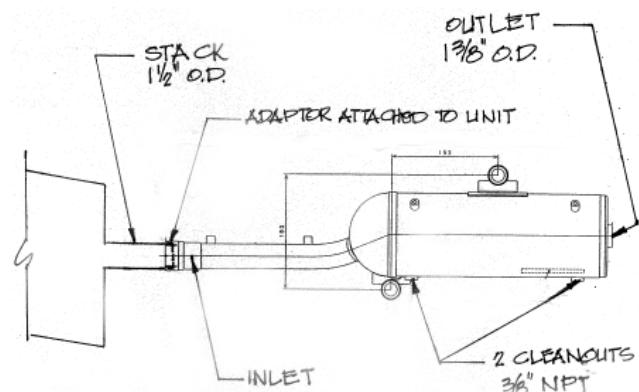
KS-450-2



KS-450-3

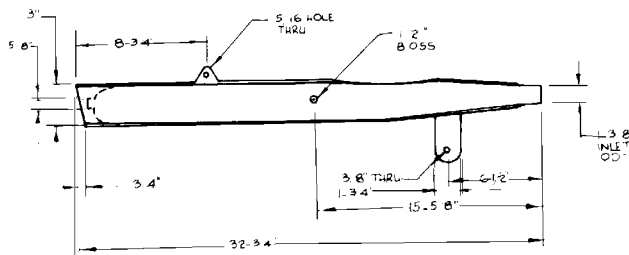


Sparester 21

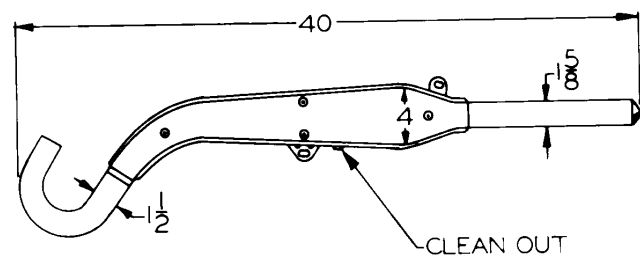


Sparester 23

SUZUKI-KRIZMAN



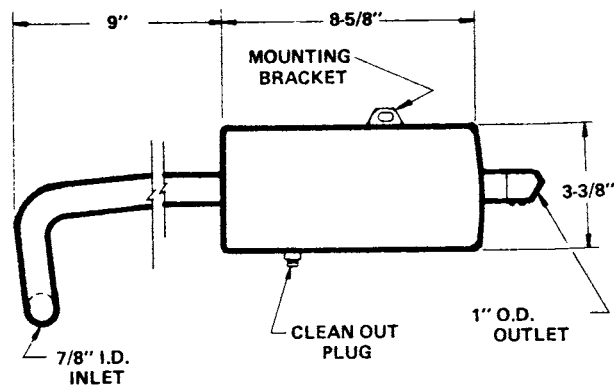
K-15



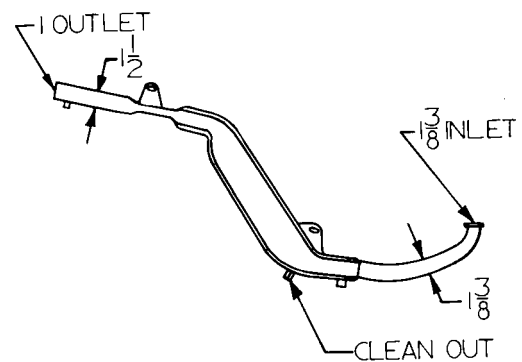
KS-250

SUZUKI-KRIZMAN

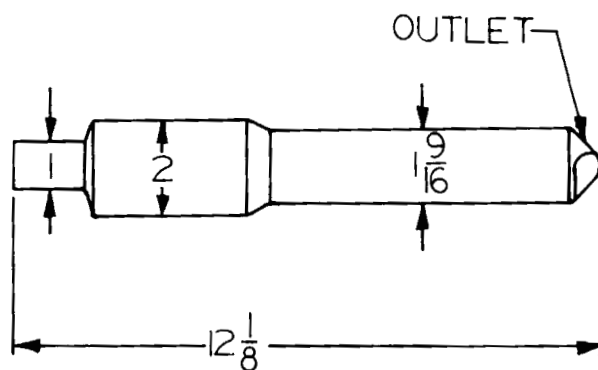
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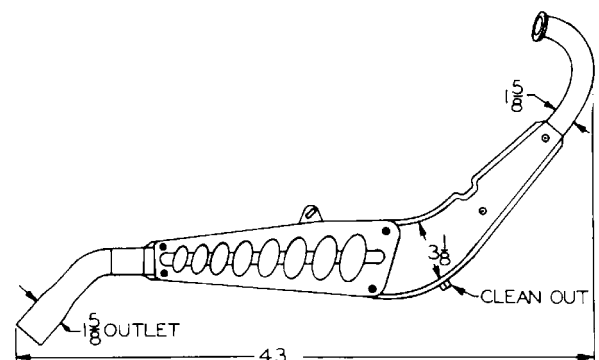
KS-250
(for ALT 50)



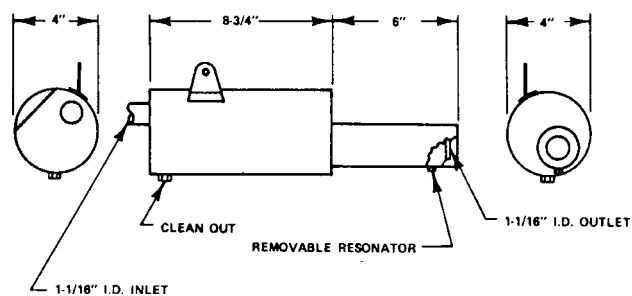
KS-250
(for TM 75)



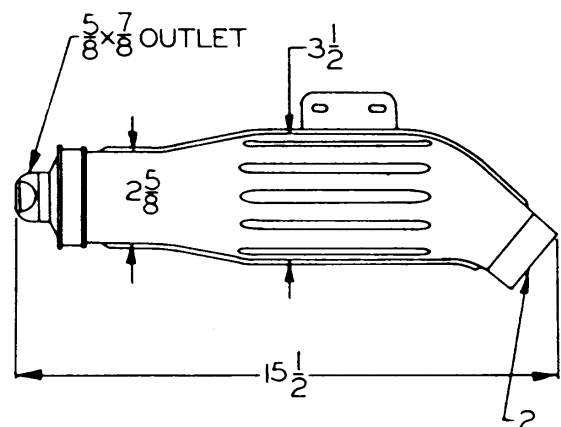
KS-250
(for TS 80)



KS-250M



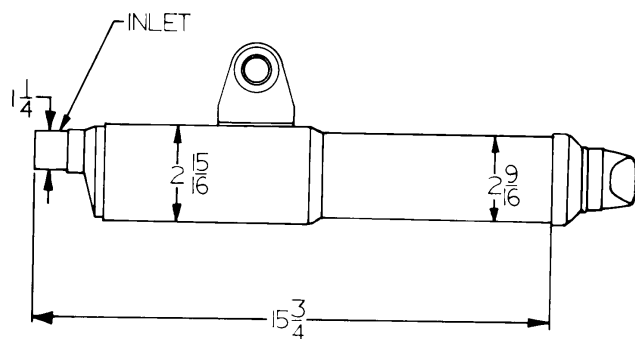
KS-350-3



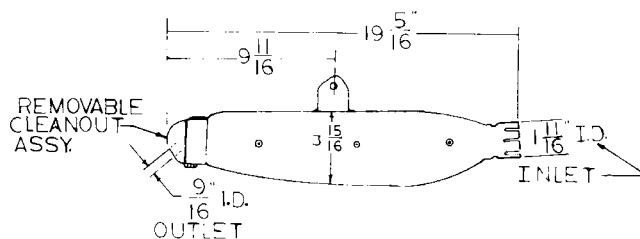
KS-400

SUZUKI-KRIZMAN • SUZUKI-SPARESTER

SUZUKI-KRIZMAN

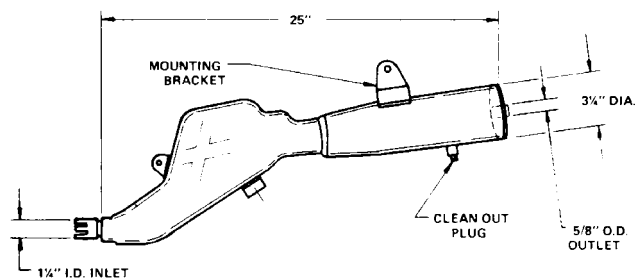


KS-400
(for P.E. 250)

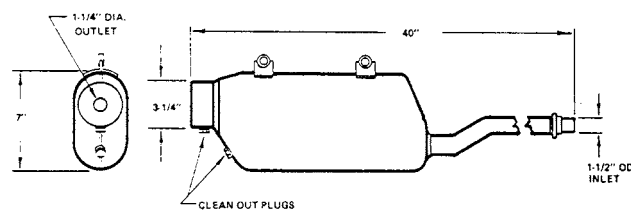


KS-400-1

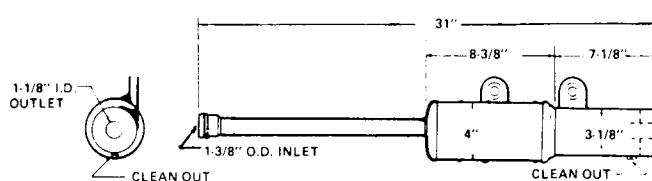
SUZUKI-SPARESTER



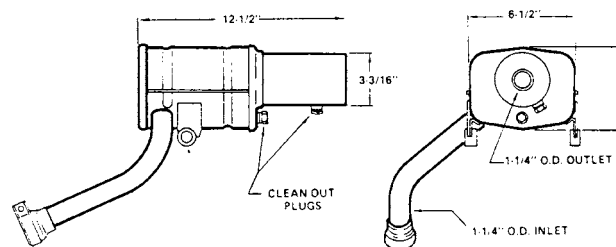
801
801 X0523X



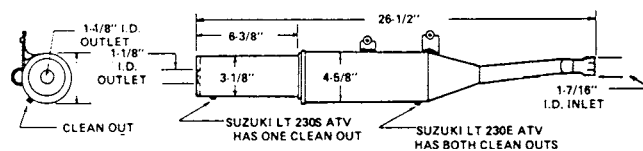
801 LT 500R



801 X19AOX



801 X19BOX

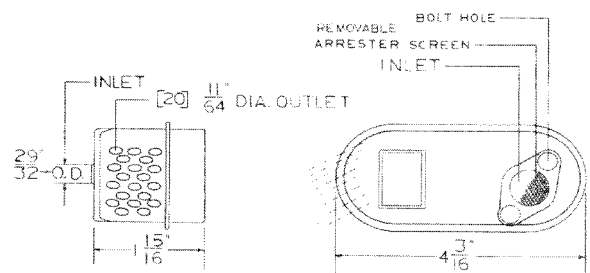


801 X22AOX

TAIWAN GOLDEN BEE



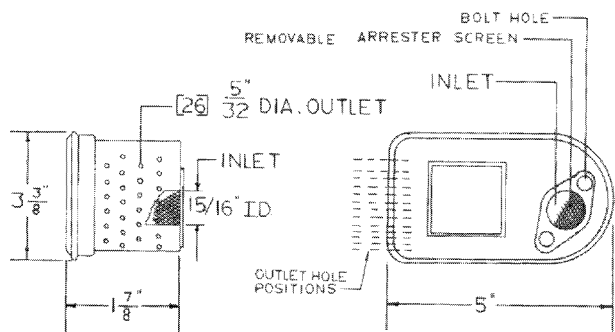
Technical drawing of a ship's hull cross-section. The drawing shows the hull profile with various dimensions labeled. Key dimensions include: W_1 (overall width), h (height), h_1 (height of the upper part), h_2 (height of the lower part), h_3 (height of the lower part), h_4 (height of the lower part), h_5 (height of the lower part), h_6 (height of the lower part), h_7 (height of the lower part), h_8 (height of the lower part), h_9 (height of the lower part), h_{10} (height of the lower part), h_{11} (height of the lower part), h_{12} (height of the lower part), h_{13} (height of the lower part), h_{14} (height of the lower part), h_{15} (height of the lower part), h_{16} (height of the lower part), h_{17} (height of the lower part), h_{18} (height of the lower part), h_{19} (height of the lower part), h_{20} (height of the lower part), h_{21} (height of the lower part), h_{22} (height of the lower part), h_{23} (height of the lower part), h_{24} (height of the lower part), h_{25} (height of the lower part), h_{26} (height of the lower part), h_{27} (height of the lower part), h_{28} (height of the lower part), h_{29} (height of the lower part), h_{30} (height of the lower part), h_{31} (height of the lower part), h_{32} (height of the lower part), h_{33} (height of the lower part), h_{34} (height of the lower part), h_{35} (height of the lower part), h_{36} (height of the lower part), h_{37} (height of the lower part), h_{38} (height of the lower part), h_{39} (height of the lower part), h_{40} (height of the lower part), h_{41} (height of the lower part), h_{42} (height of the lower part), h_{43} (height of the lower part), h_{44} (height of the lower part), h_{45} (height of the lower part), h_{46} (height of the lower part), h_{47} (height of the lower part), h_{48} (height of the lower part), h_{49} (height of the lower part), h_{50} (height of the lower part), h_{51} (height of the lower part), h_{52} (height of the lower part), h_{53} (height of the lower part), h_{54} (height of the lower part), h_{55} (height of the lower part), h_{56} (height of the lower part), h_{57} (height of the lower part), h_{58} (height of the lower part), h_{59} (height of the lower part), h_{60} (height of the lower part), h_{61} (height of the lower part), h_{62} (height of the lower part), h_{63} (height of the lower part), h_{64} (height of the lower part), h_{65} (height of the lower part), h_{66} (height of the lower part), h_{67} (height of the lower part), h_{68} (height of the lower part), h_{69} (height of the lower part), h_{70} (height of the lower part), h_{71} (height of the lower part), h_{72} (height of the lower part), h_{73} (height of the lower part), h_{74} (height of the lower part), h_{75} (height of the lower part), h_{76} (height of the lower part), h_{77} (height of the lower part), h_{78} (height of the lower part), h_{79} (height of the lower part), h_{80} (height of the lower part), h_{81} (height of the lower part), h_{82} (height of the lower part), h_{83} (height of the lower part), h_{84} (height of the lower part), h_{85} (height of the lower part), h_{86} (height of the lower part), h_{87} (height of the lower part), h_{88} (height of the lower part), h_{89} (height of the lower part), h_{90} (height of the lower part), h_{91} (height of the lower part), h_{92} (height of the lower part), h_{93} (height of the lower part), h_{94} (height of the lower part), h_{95} (height of the lower part), h_{96} (height of the lower part), h_{97} (height of the lower part), h_{98} (height of the lower part), h_{99} (height of the lower part), h_{100} (height of the lower part).



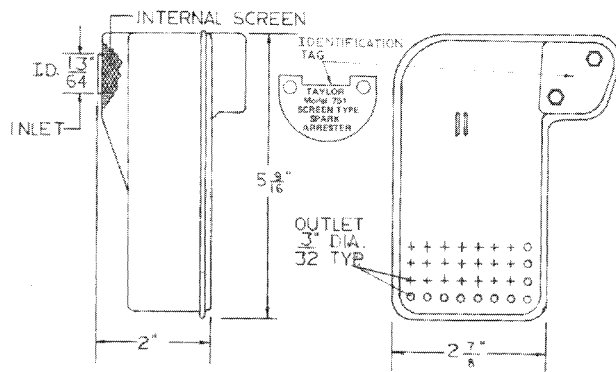
343

TAYLOR

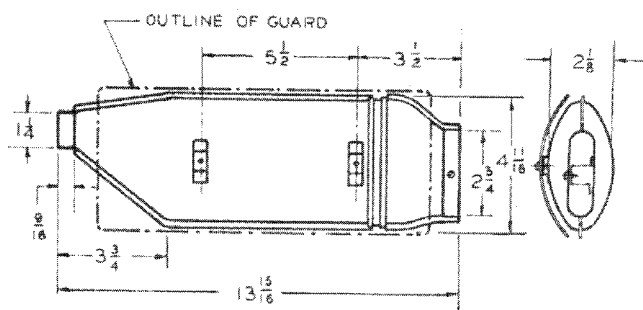
TAYLOR



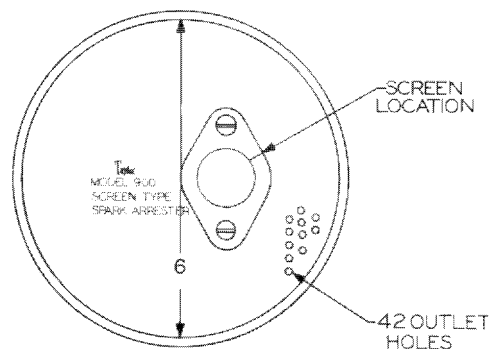
750A



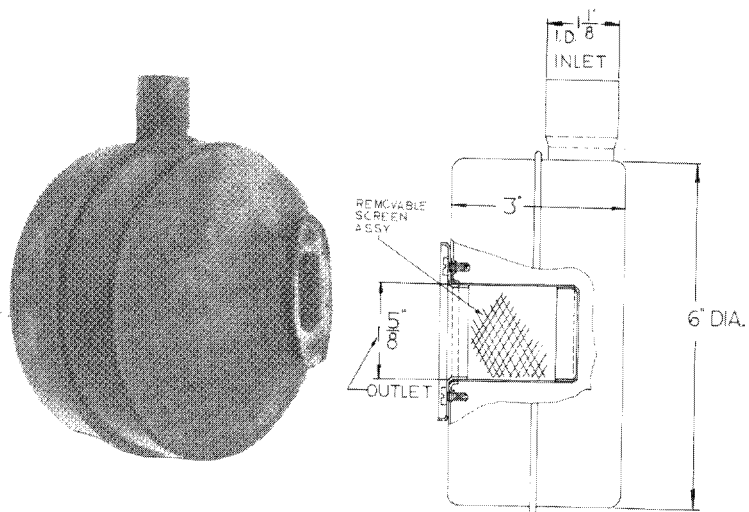
751



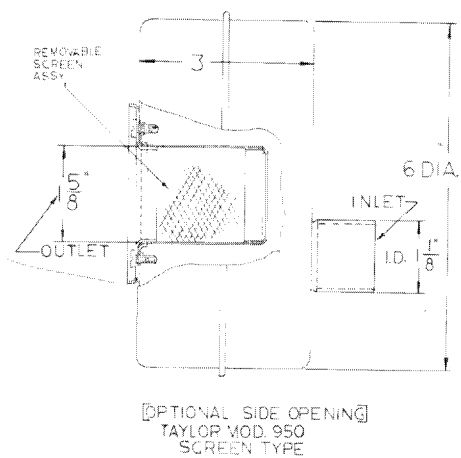
800



900



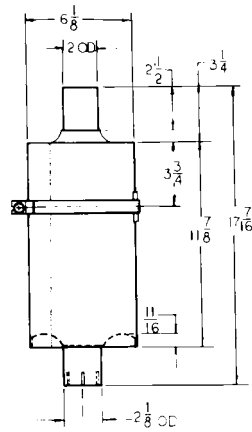
950



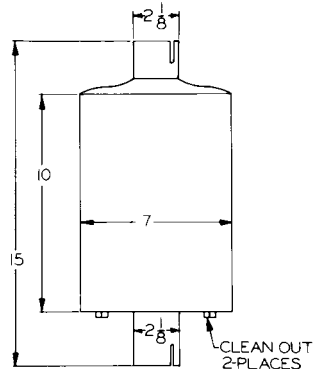
[OPTIONAL SIDE OPENING]
TAYLOR MOD. 950
SCREEN TYPE

TECK

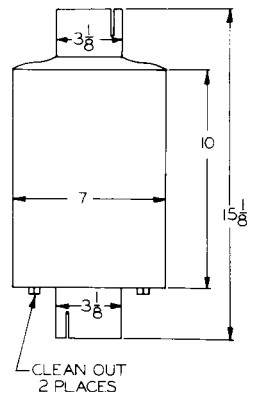
TECK



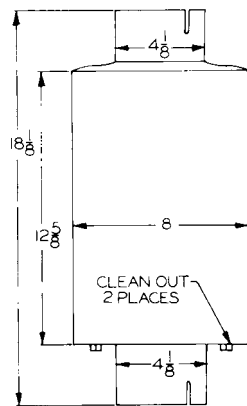
1-6250C



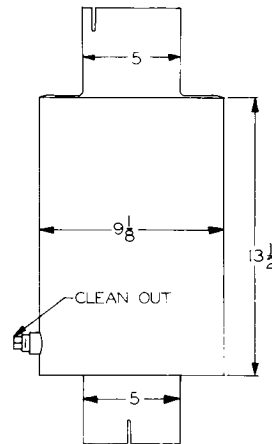
SS-860-2



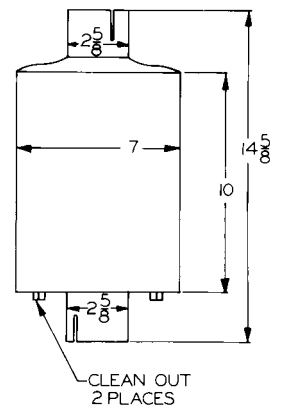
SS-860-3



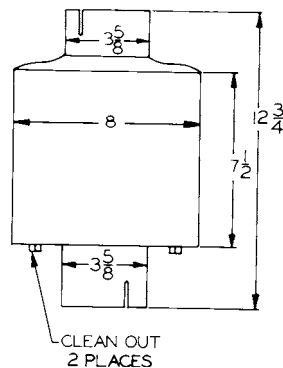
SS-860-4A



SS-860-5



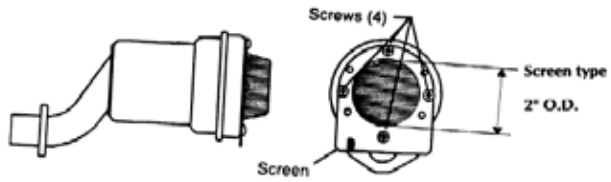
SS-860-25



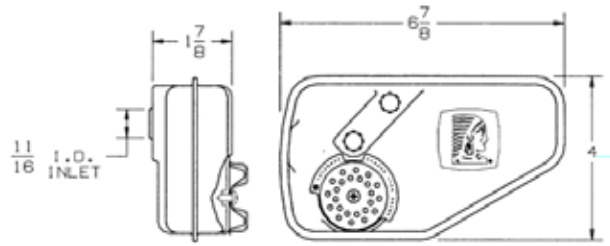
SS-860-35

TECUMSEH • TILLERY

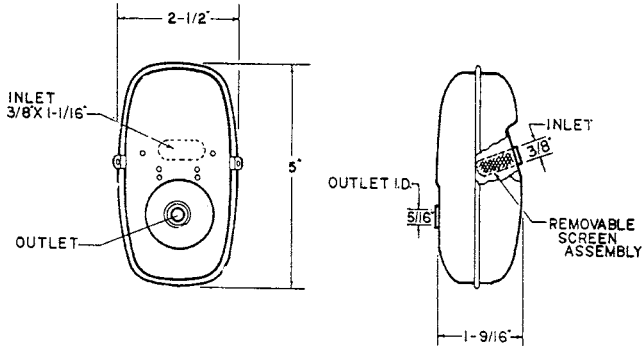
TECUMSEH



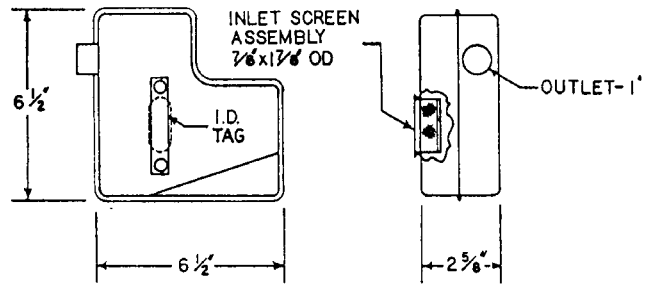
35352



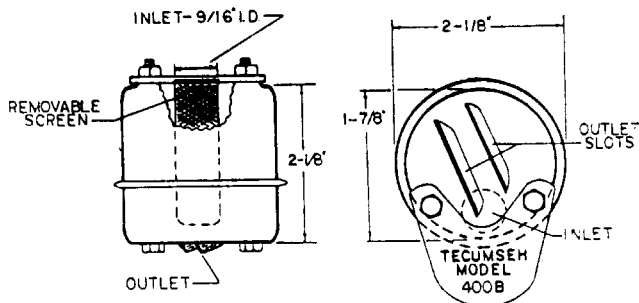
36085



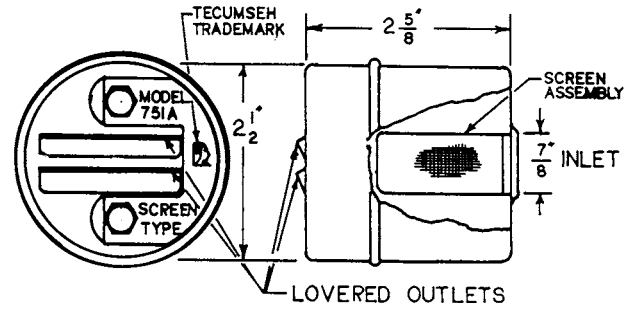
390301A



390309

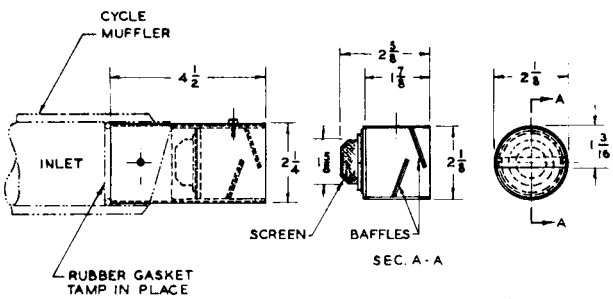


400B

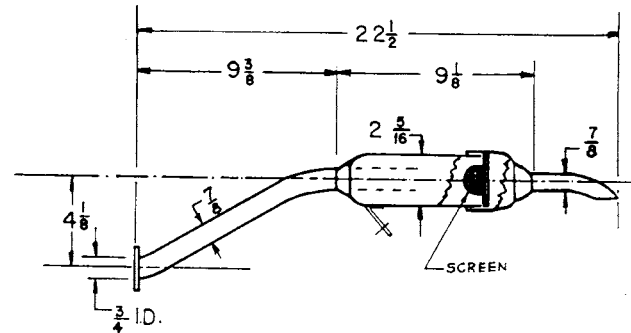


751A

TILLERY



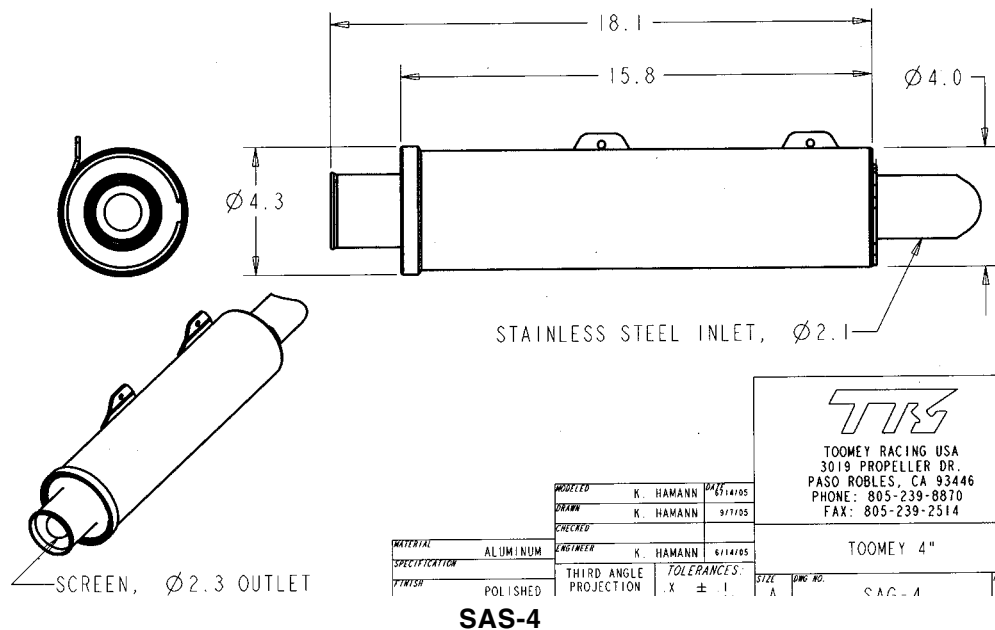
T-134
(SCREEN TYPE)



T-234
(SCREEN TYPE)

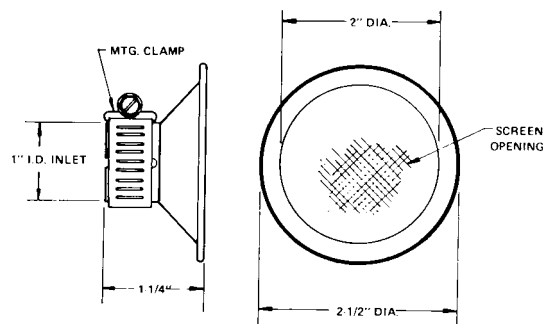
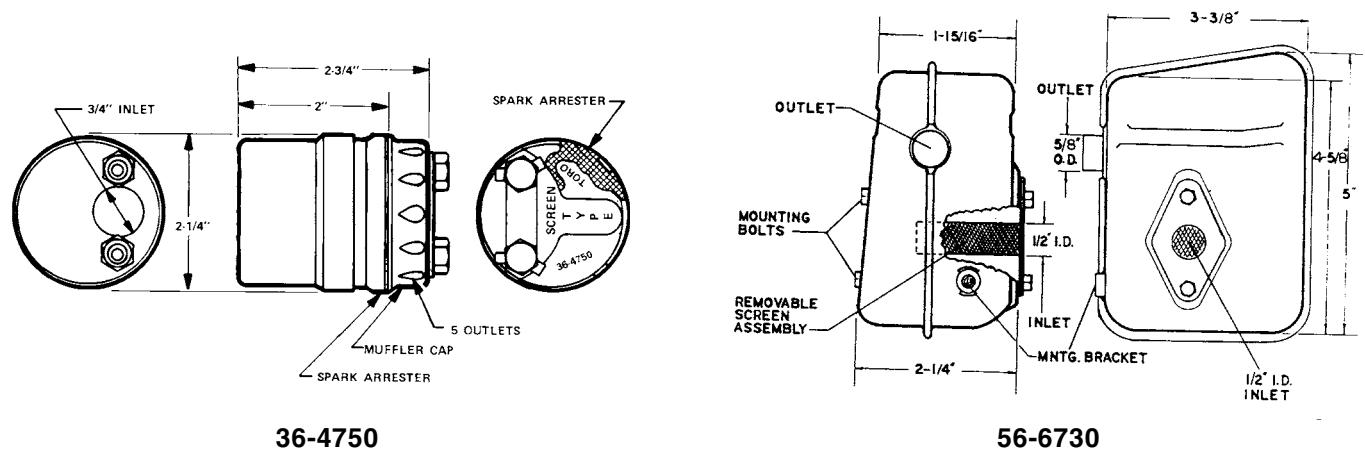
TOOMEY RACING • TORO

TOOMEY RACING



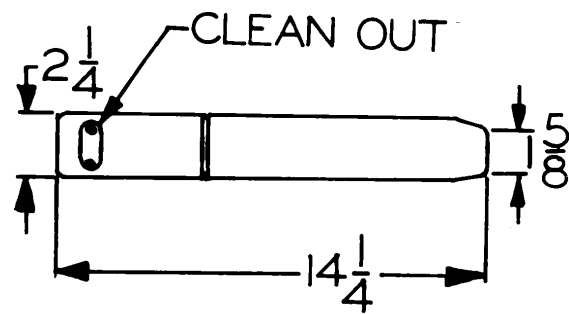
SAS-4

TORO

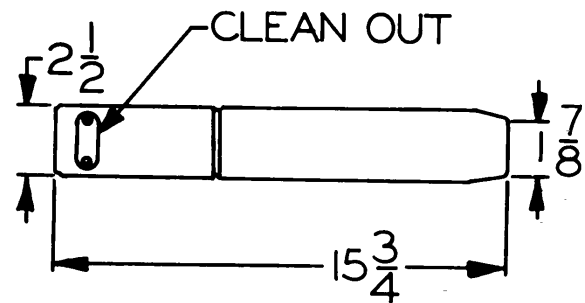


TORQUE • TWO BROTHERS RACING

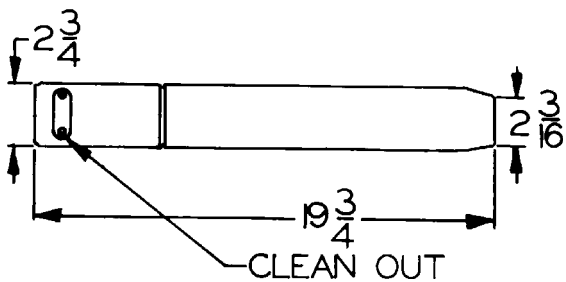
TORQUE



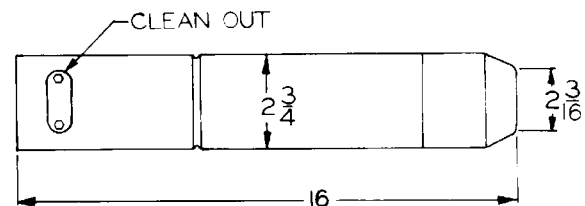
TQ-1000



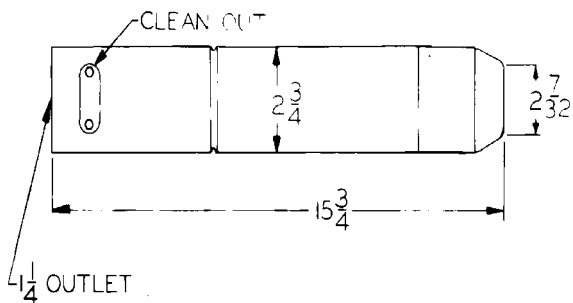
TQ-2000



TQ-3000

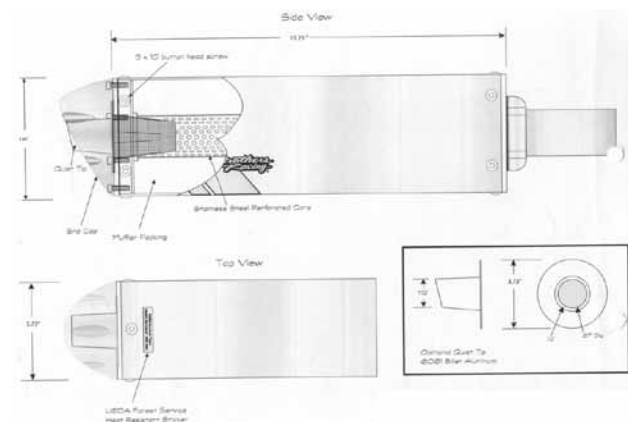


TQ-3000A

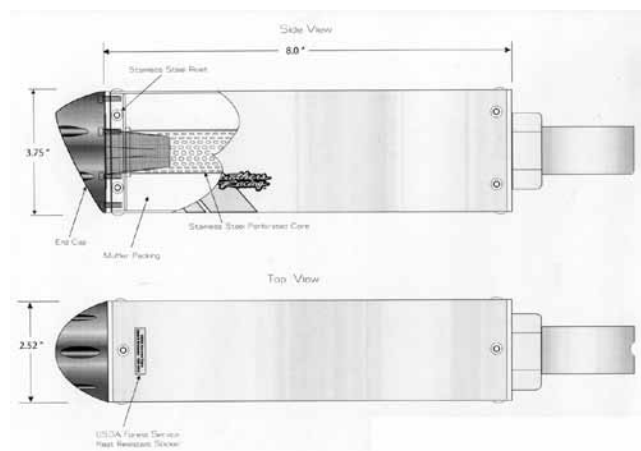


TQ-3000B

TWO BROTHERS RACING

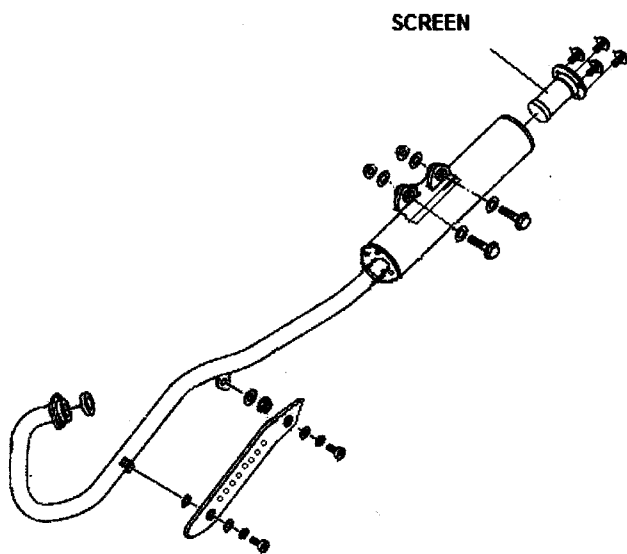


TBR001

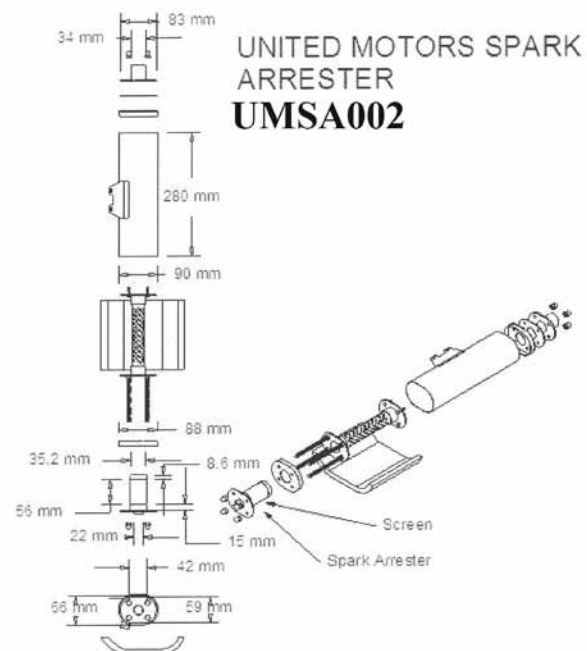


TBR002

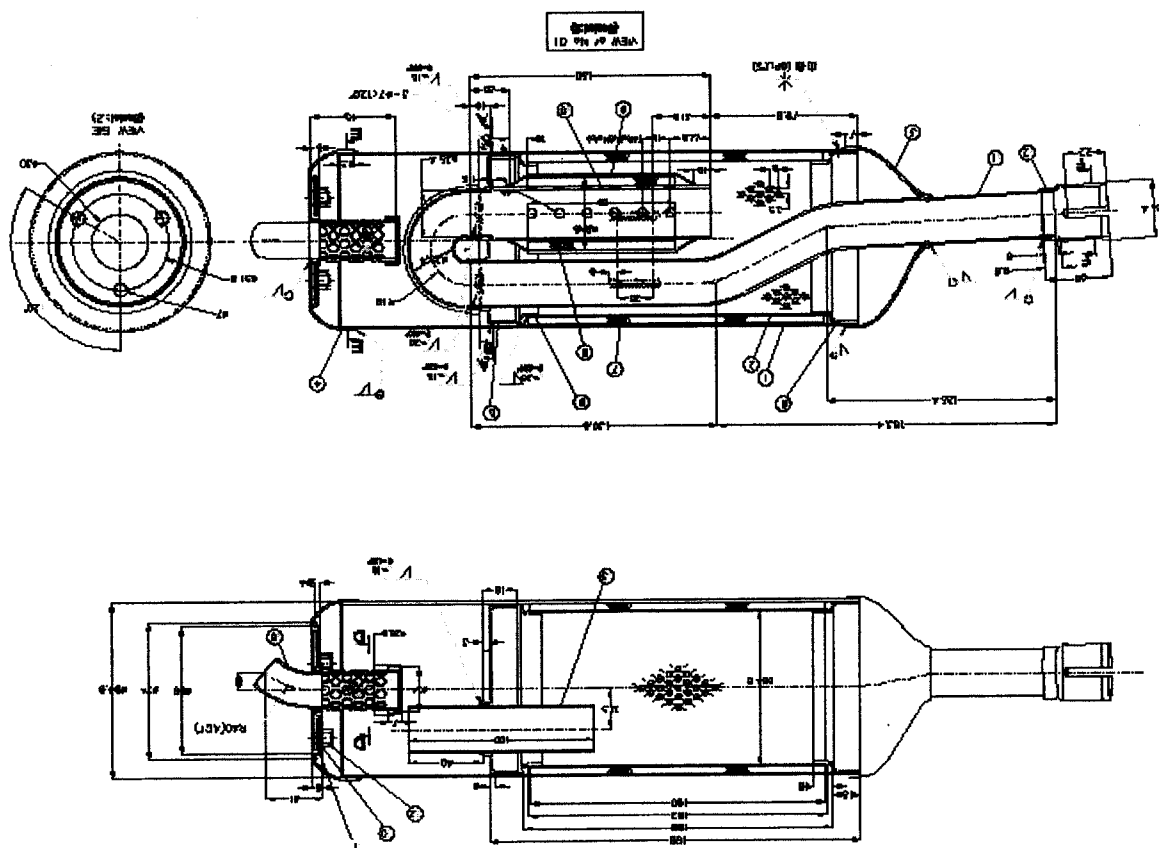
UNITED MOTORS OF AMERICA



UMSA001



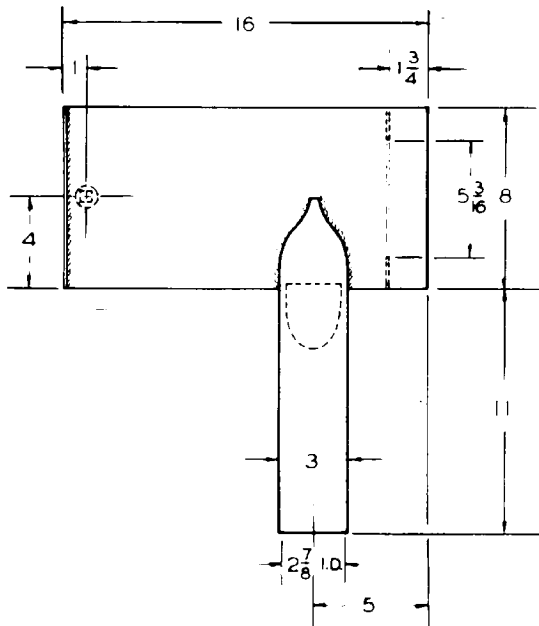
UMSA002



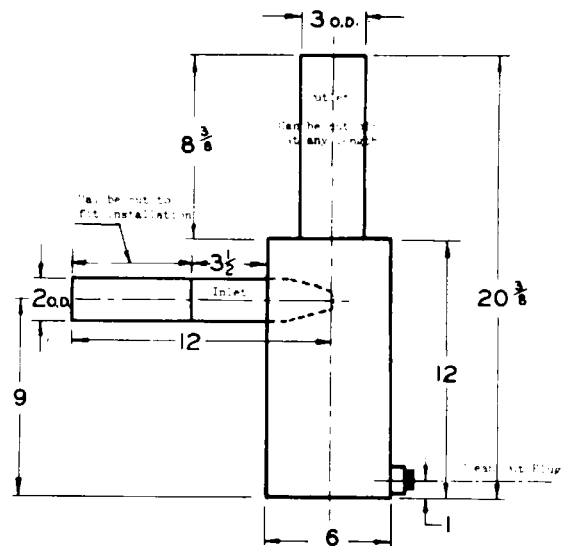
UMSA003

USDA FS • VANCE & HINES • WACKER

USDA FS

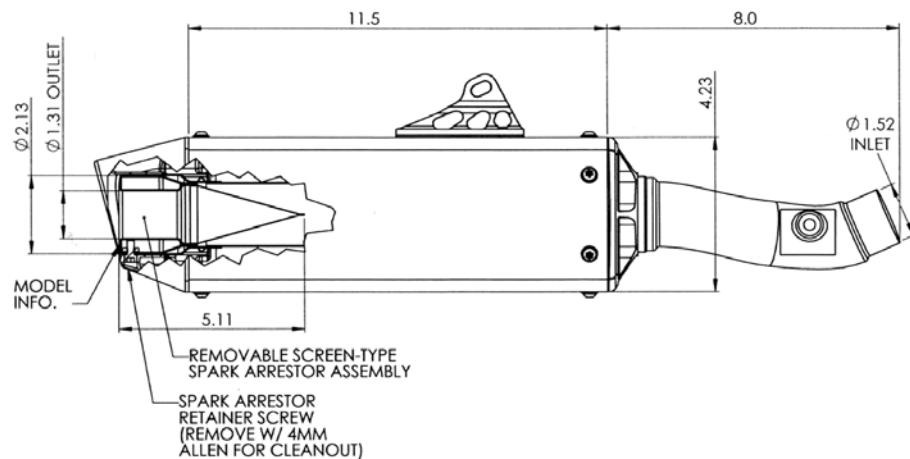


FS-3



FS-4

VANCE & HINES



SA-01

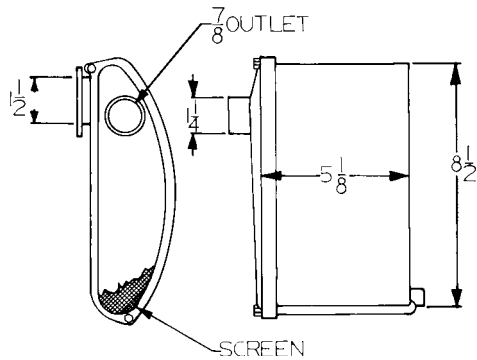
WACKER

No diagrams available:

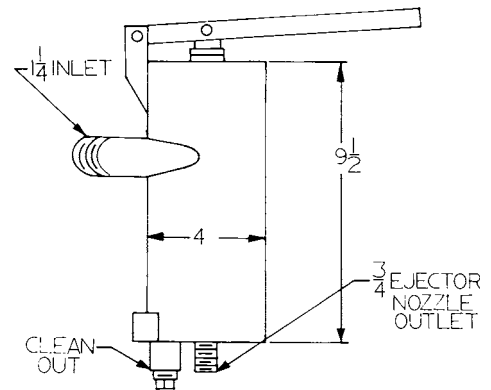
Refer to General Purpose Qualification Table
at end of section for rating.

WAJAX PACIFIC • WALKER • WASHINGTON

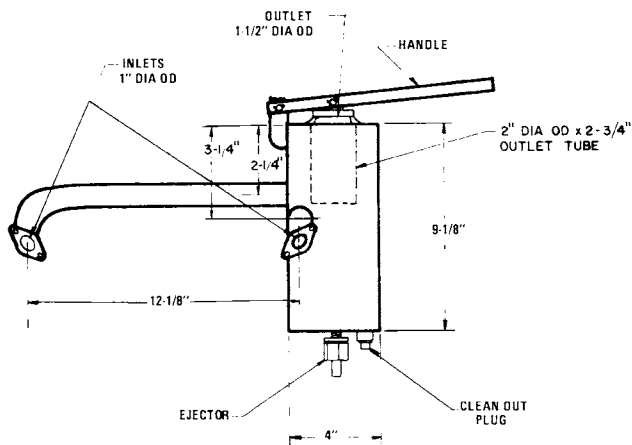
WAJAX PACIFIC



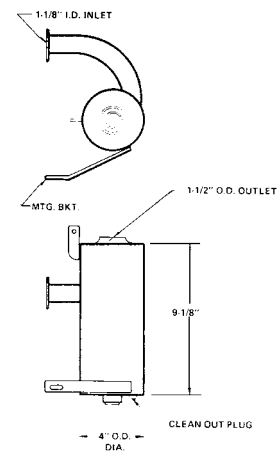
MODEL 2



D-4479



PB-1196



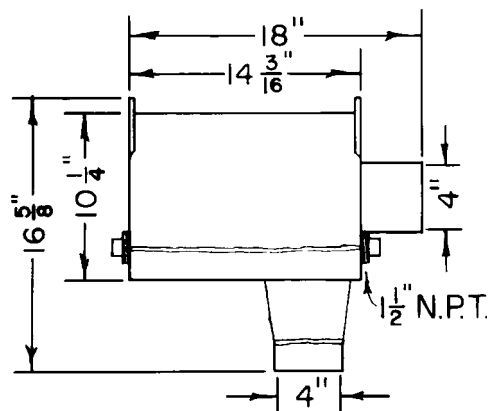
PC-1216

WALKER

No diagrams available:

Refer to General Purpose Qualification Table
at end of section for rating.

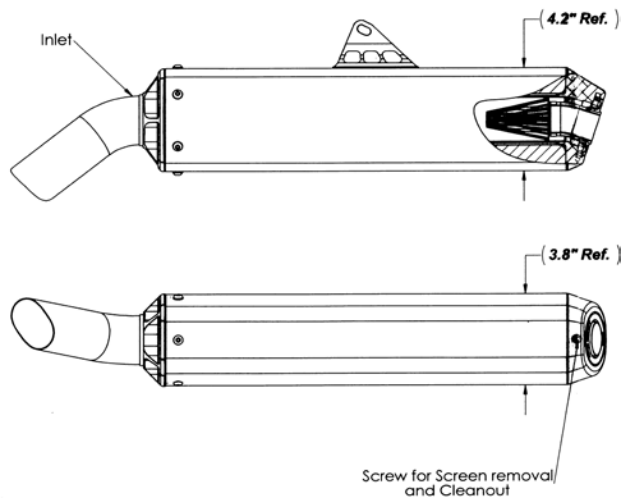
WASHINGTON



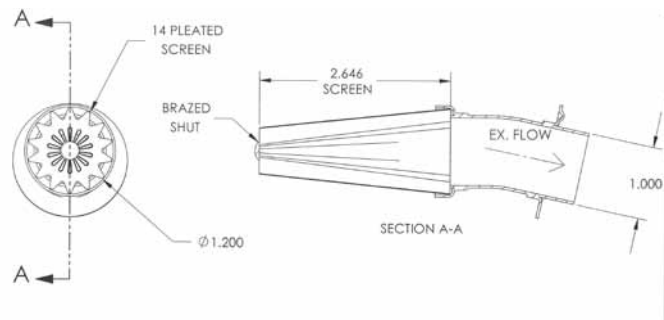
NO. 3

WHITE BROTHERS • WILDFIRE FIRE EQUIPMENT

WHITE BROTHERS

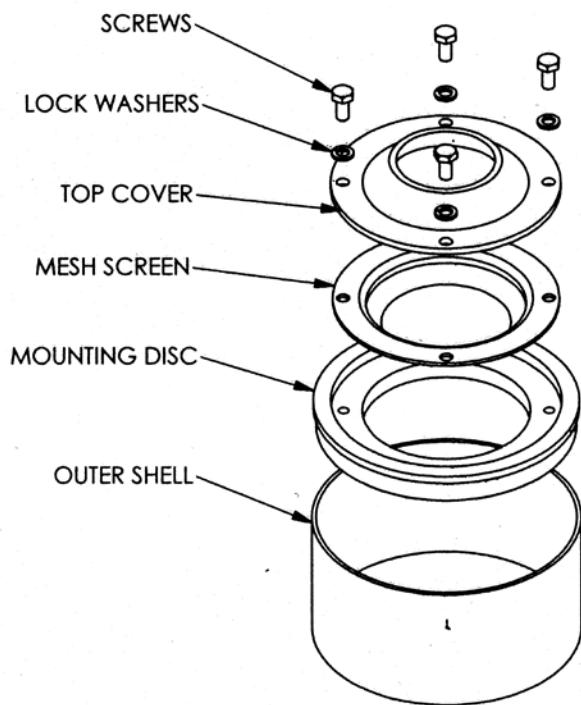


WB2004

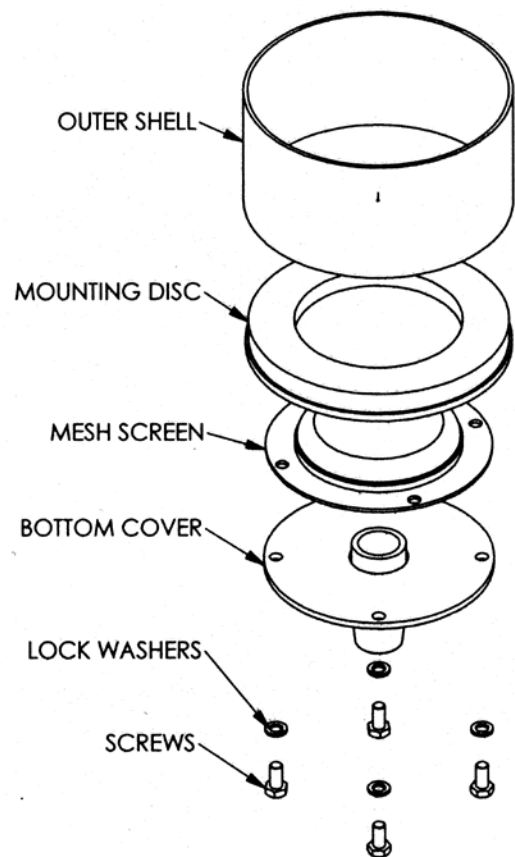


WB2006

WILDFIRE FIRE EQUIPMENT



EXPLODED DETAIL
TOP COVER ASSY



EXPLODED DETAIL
BOTTOM COVER ASSY

C-7590

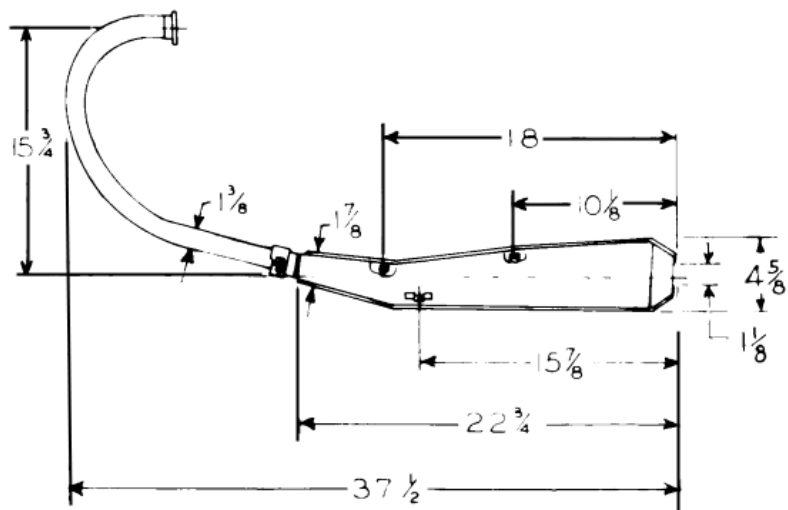
WILDFIRE PACIFIC • WINTEC • XDUCER

WILDFIRE PACIFIC

No diagrams available:

Refer to General Purpose Qualification Table
at end of section for rating.

WINTEC

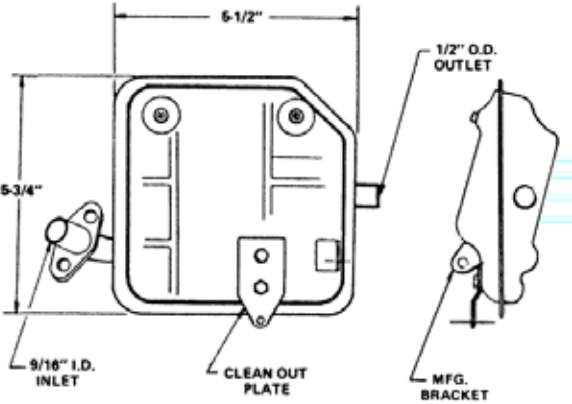


500

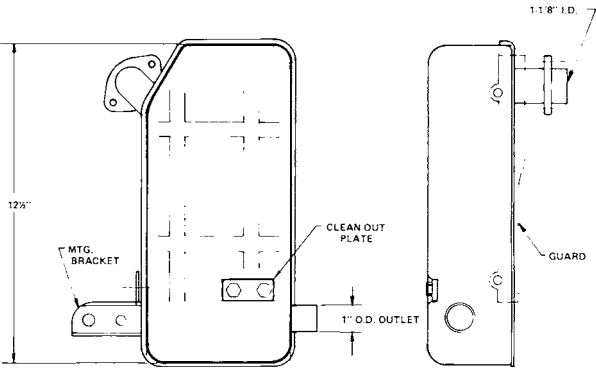
XDUCER

No diagrams available:

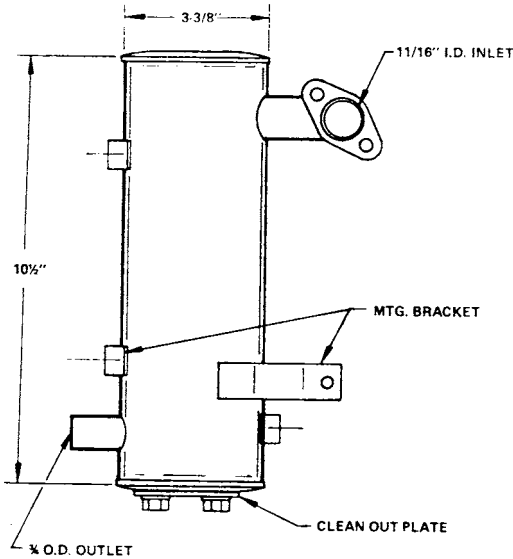
Refer to General Purpose Qualification Table
at end of section for rating.



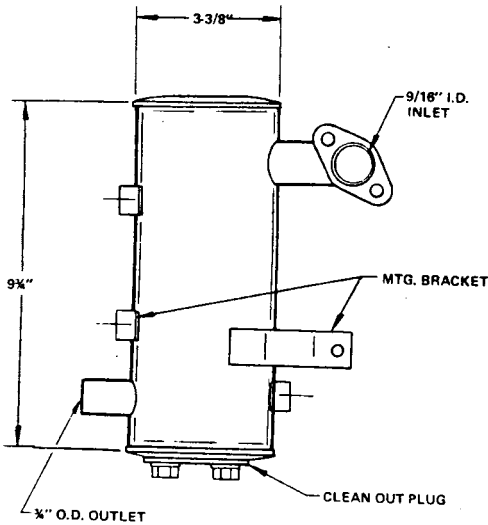
EG 106



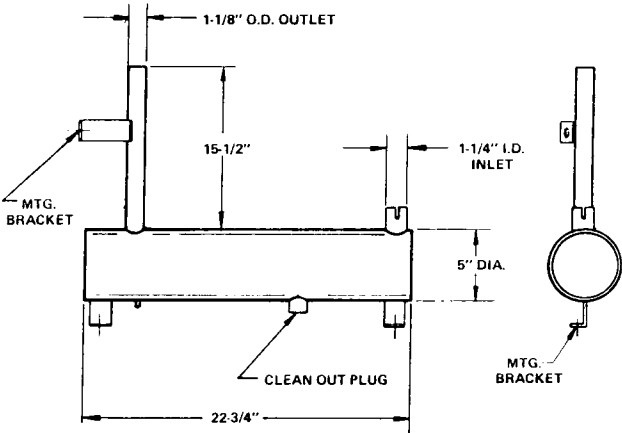
EG 107



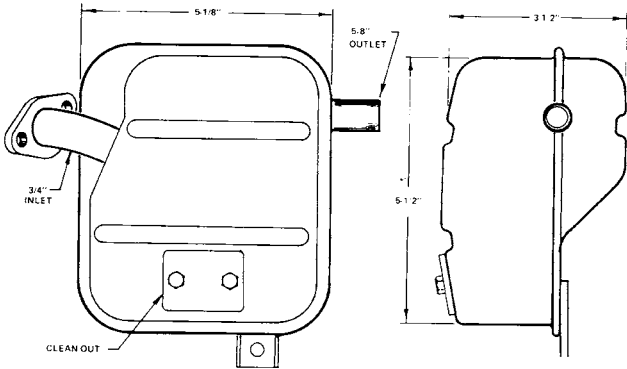
EG 108



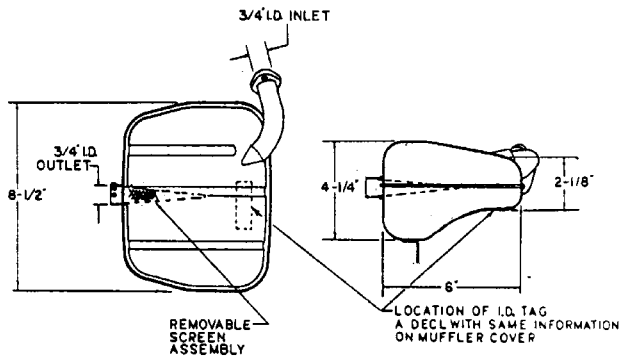
EG 109



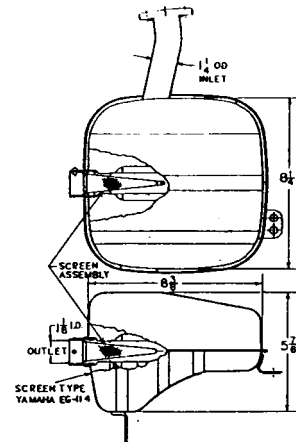
EG 110



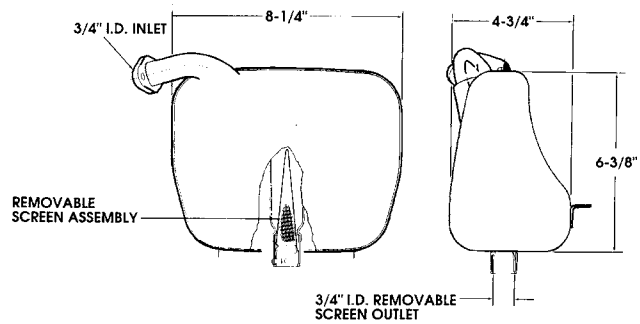
EG 111



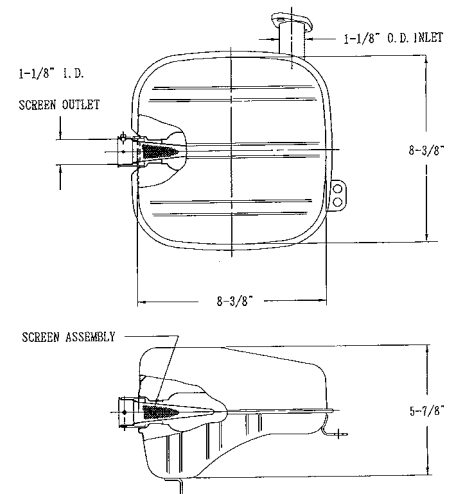
EG 113



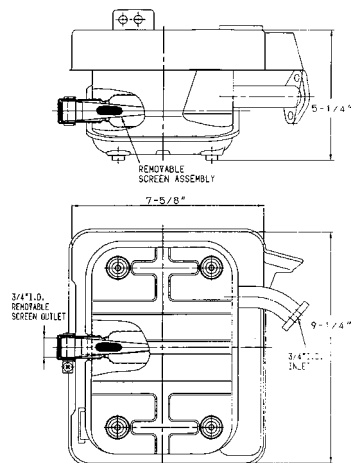
EG 114



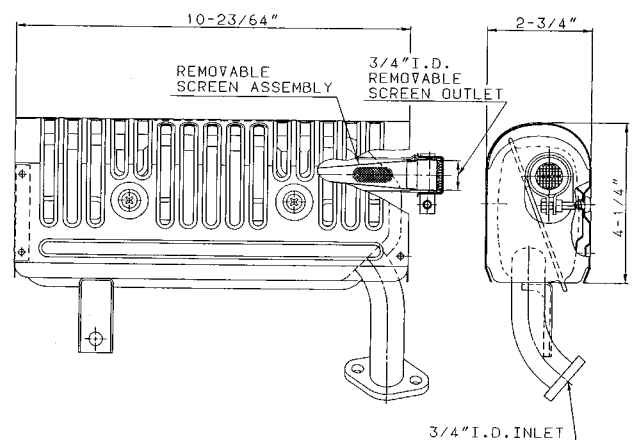
EG 116



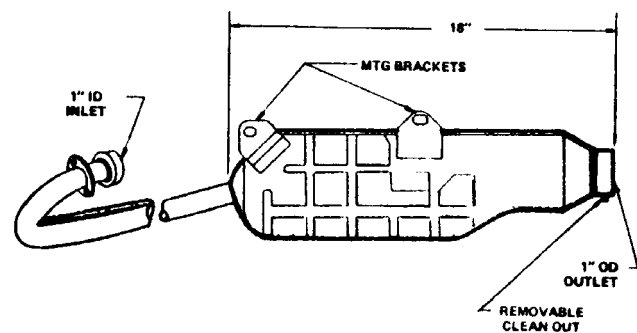
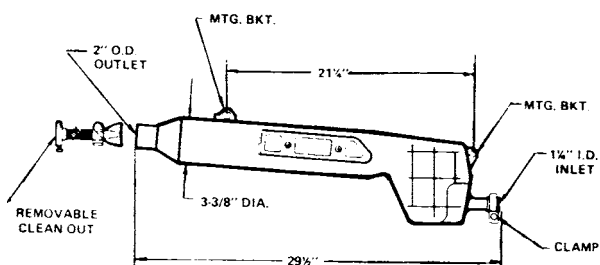
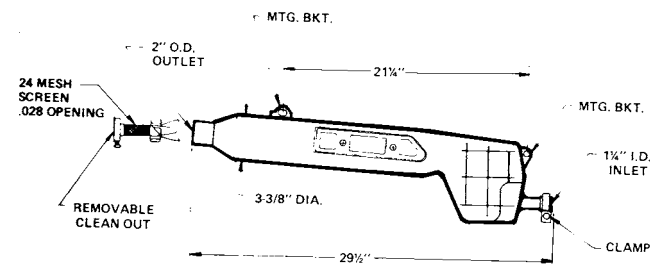
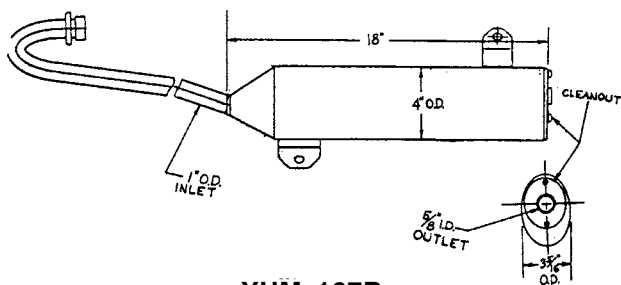
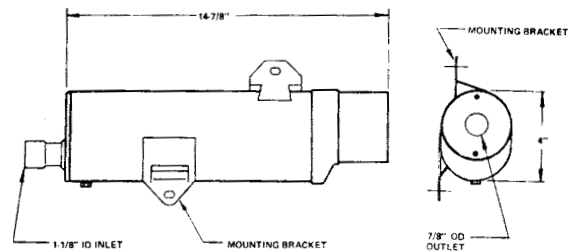
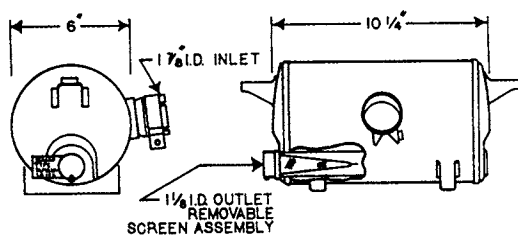
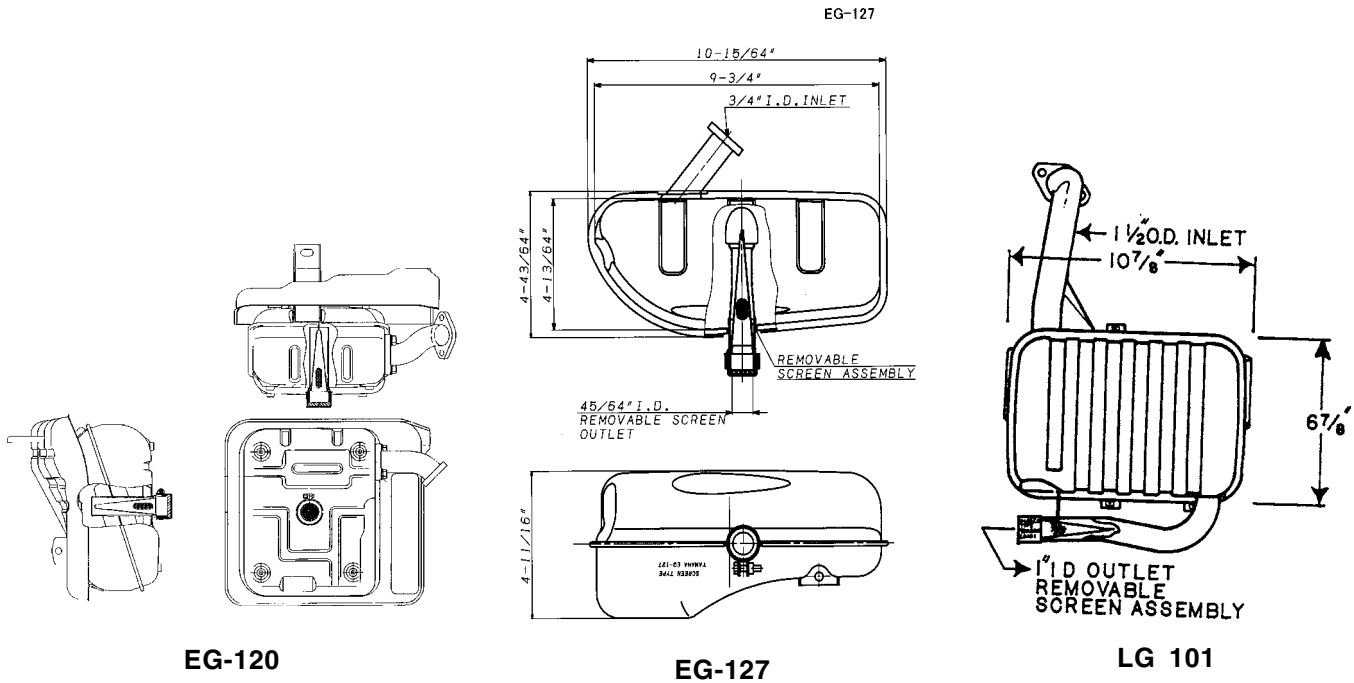
EG 117A



EG 118

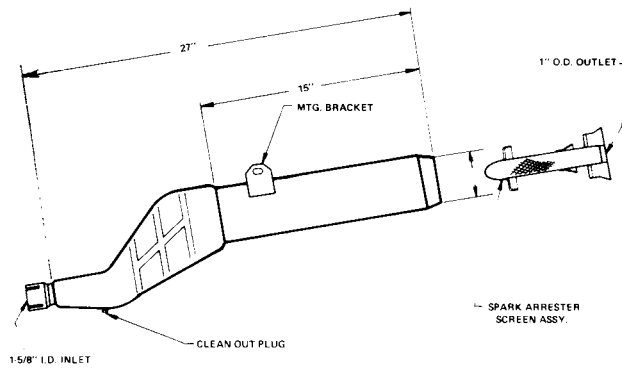


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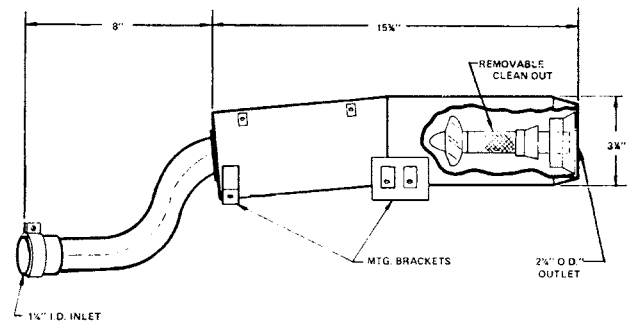


YAMAHA

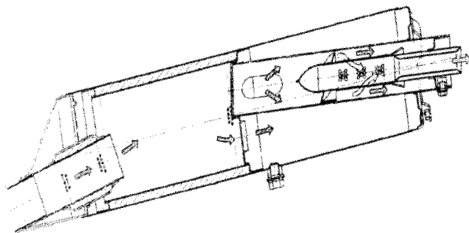
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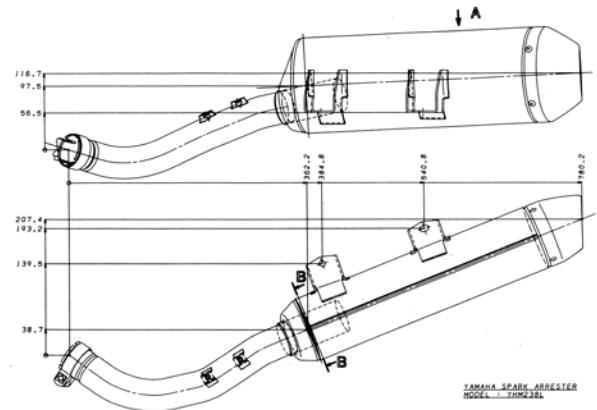
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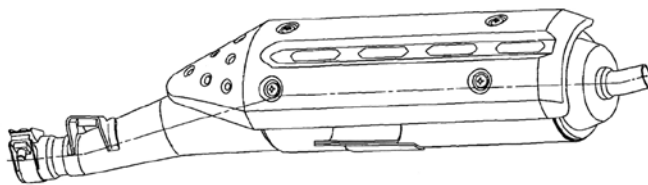
YHM 220A



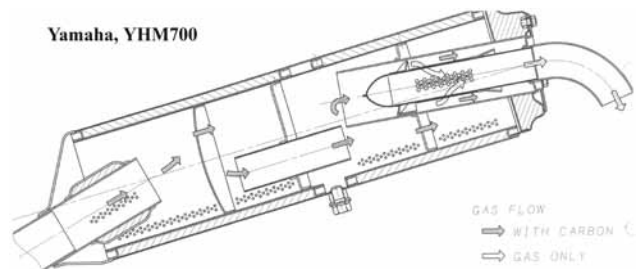
YHM 238J



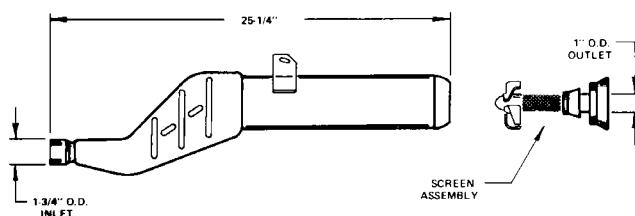
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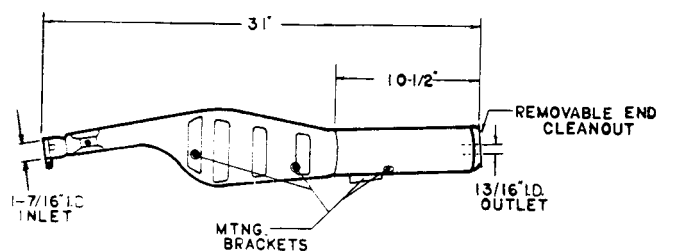
YHM 250



YHM 700



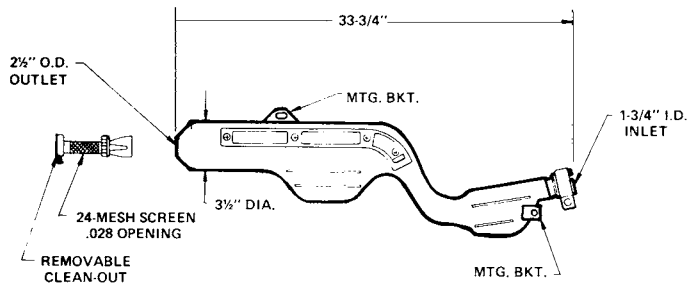
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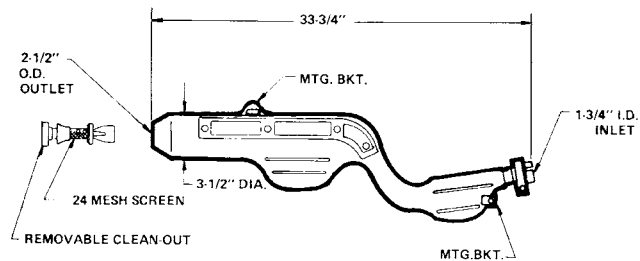
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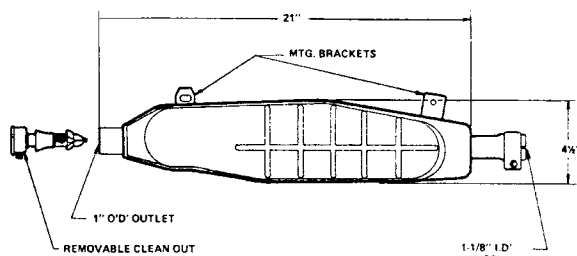
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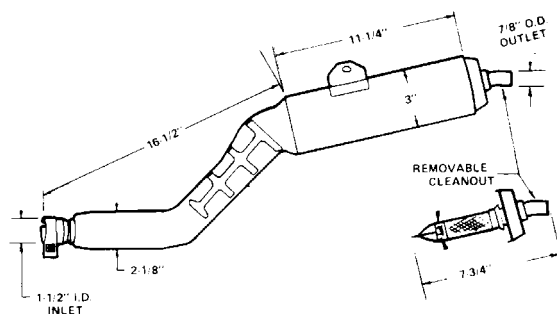
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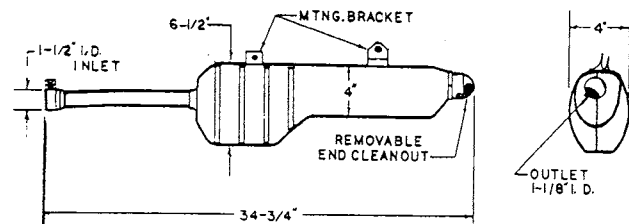
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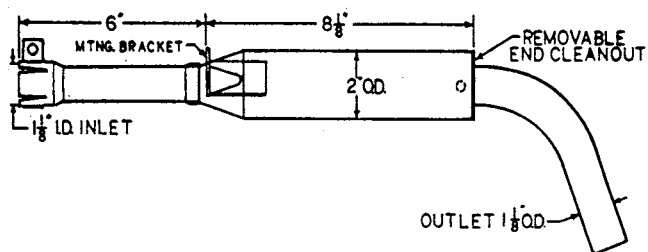
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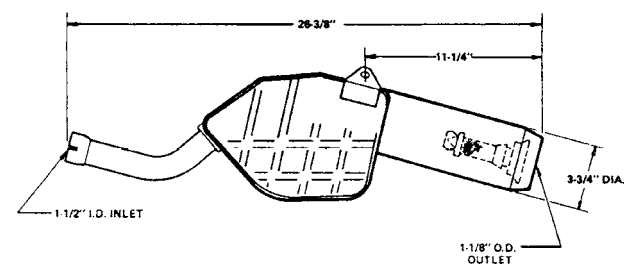
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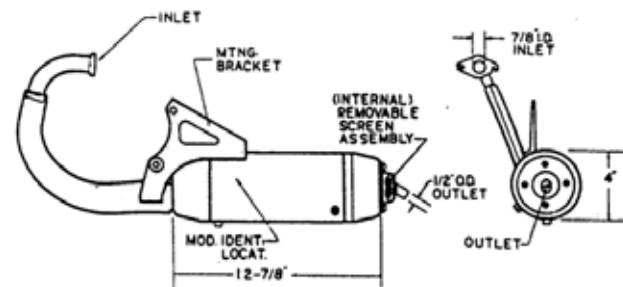
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YMH 238E



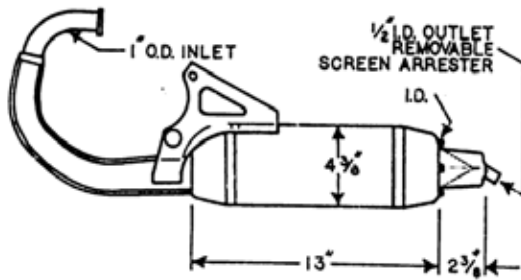
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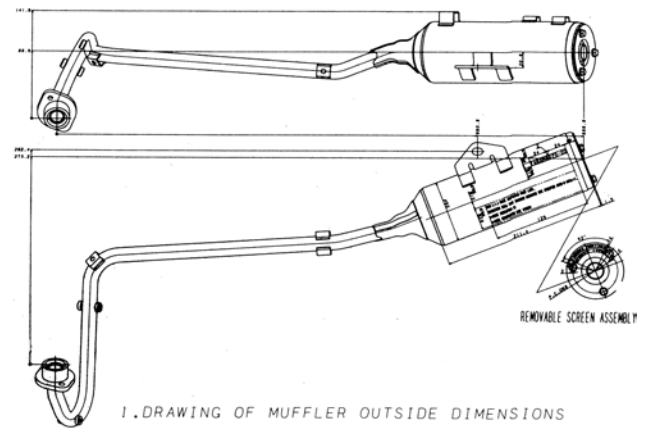
YMS 50

YAMAHA

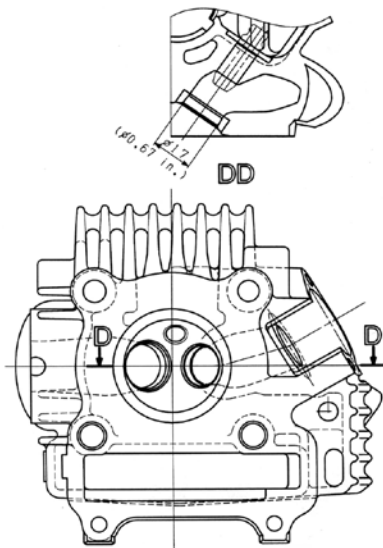
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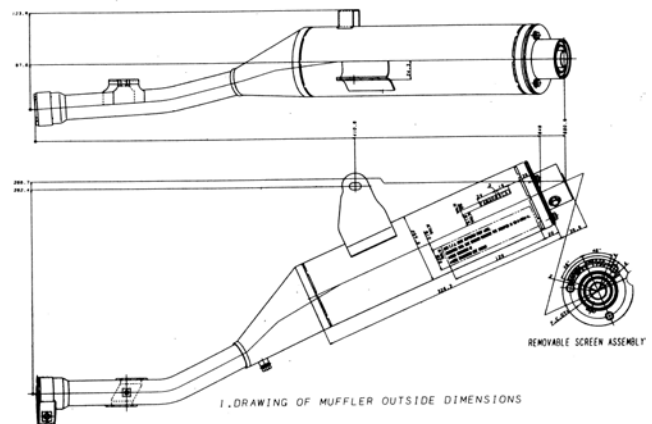
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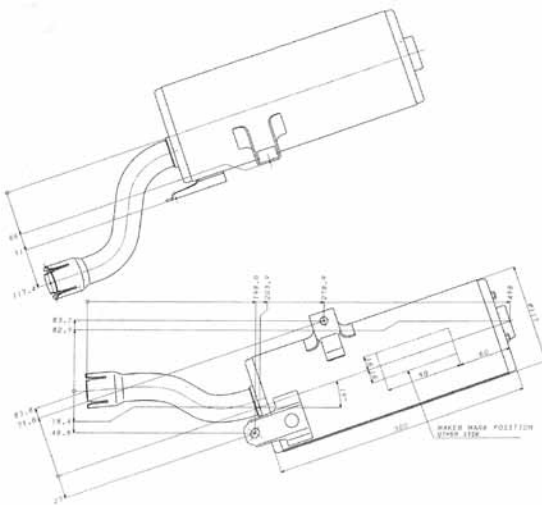
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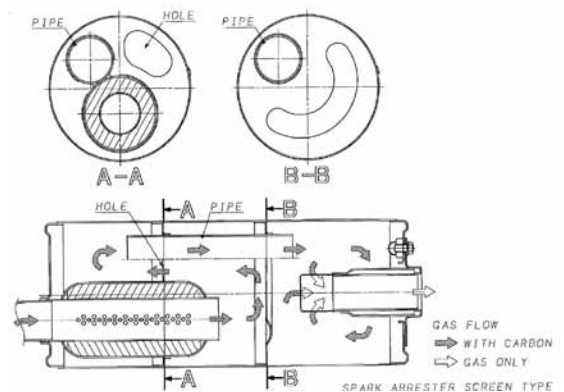
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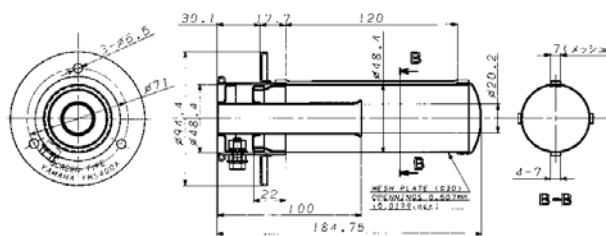
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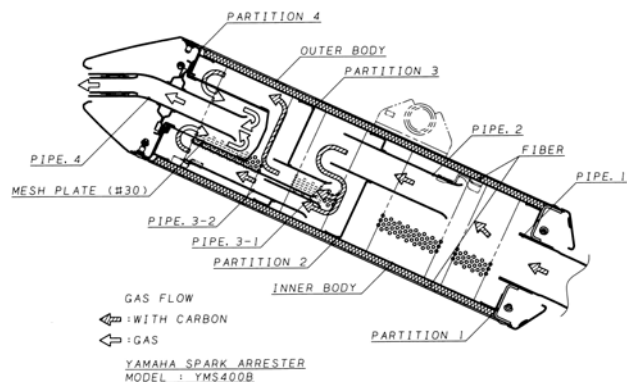
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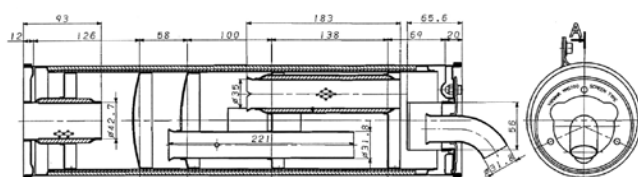
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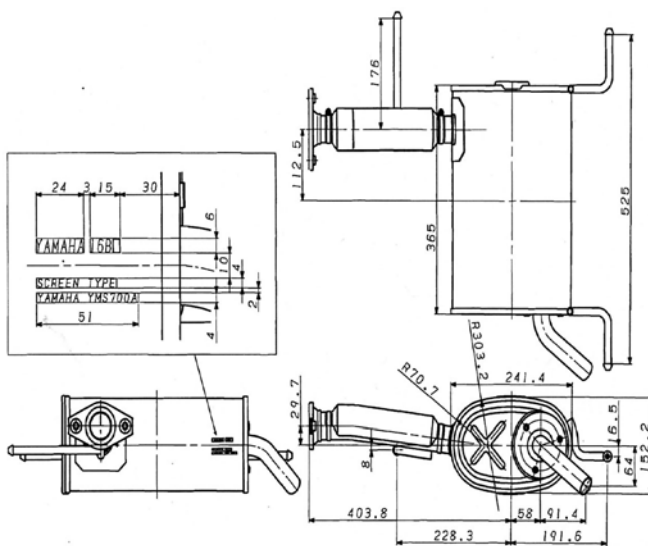
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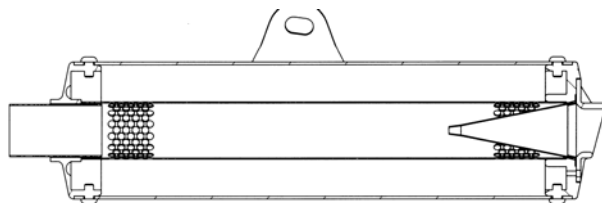
YMS 400B



YMS 700



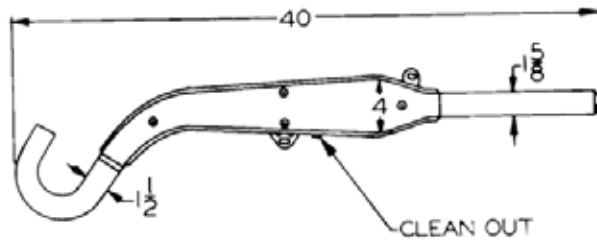
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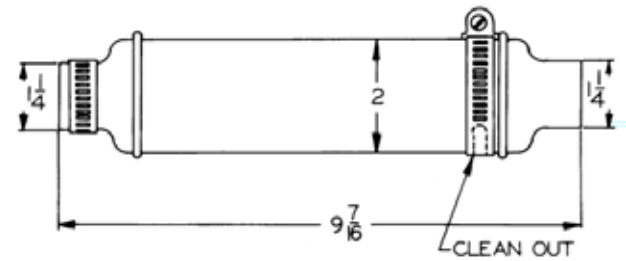
YMUS-10

YAMAHA-KRIZMAN

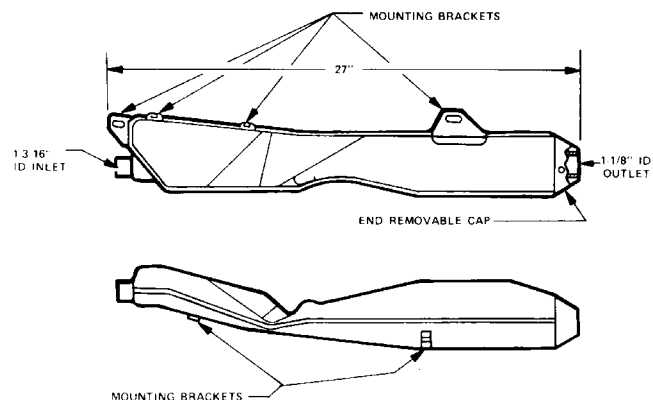
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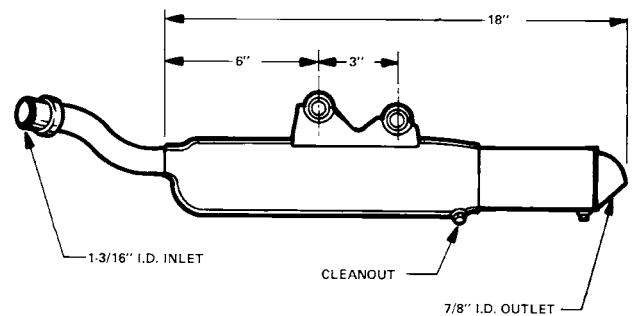
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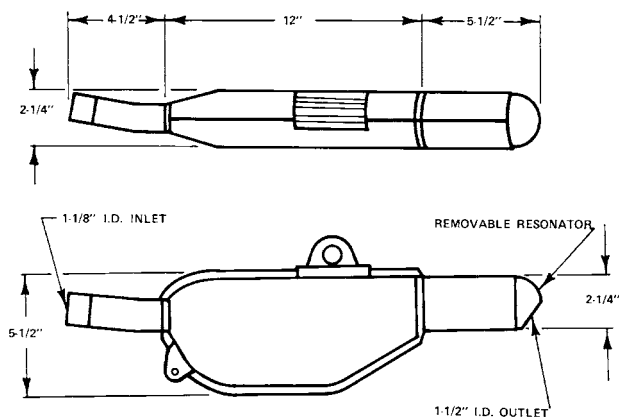
KS 350



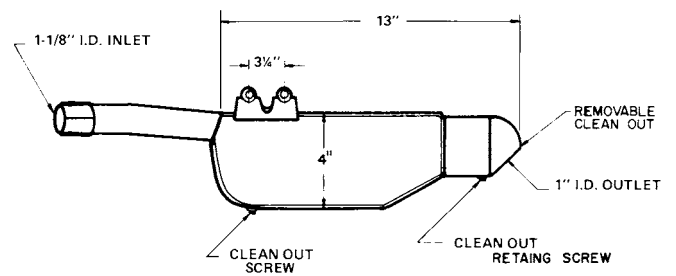
KS 375A



KS 375B



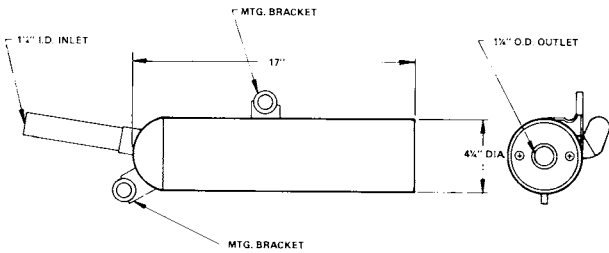
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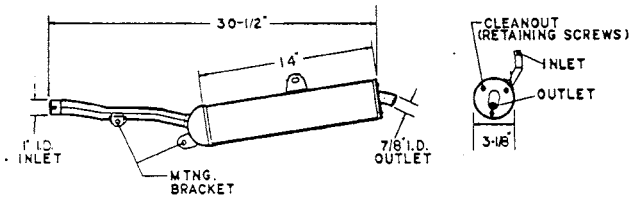
KS 375D

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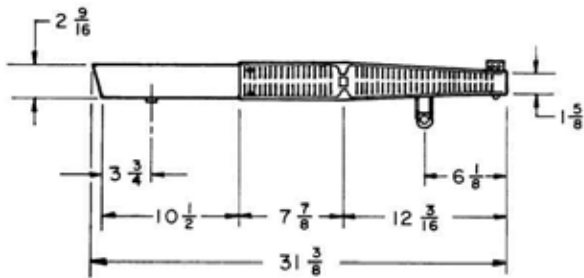
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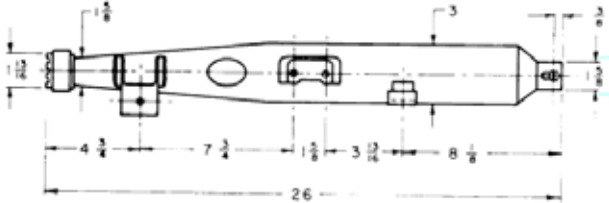
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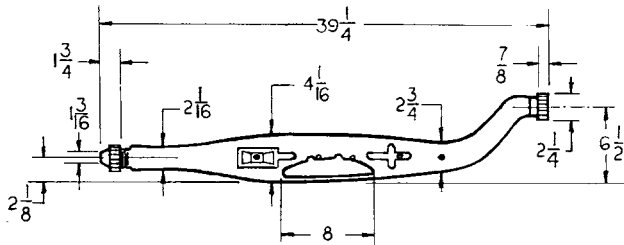
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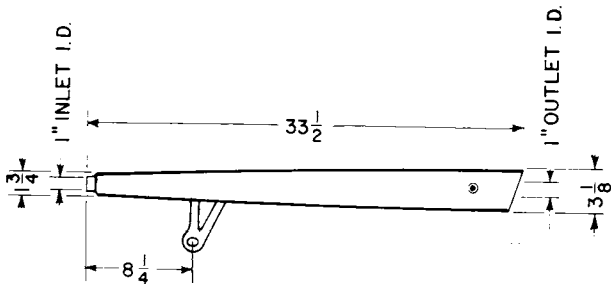
YS 80



YS 125



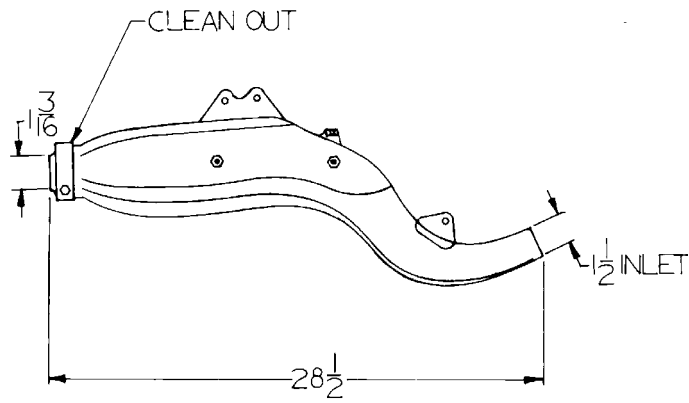
YS 250



YSU 80

YAMAHA-SKYWAY • YELLOW JACKET

YAMAHA-SKYWAY



**SERIES 300
MODEL 520**

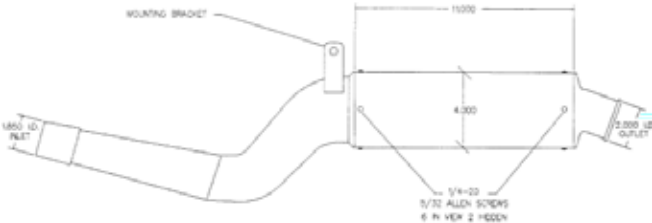
YELLOW JACKET

No diagrams available:

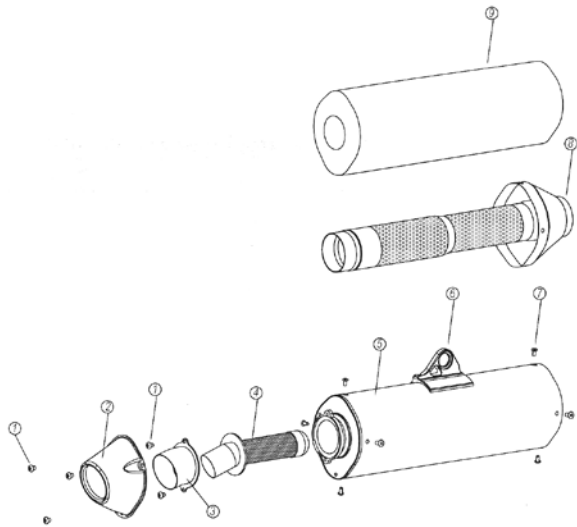
**Refer to General Purpose Qualification Table
at end of section for rating.**

YOSHIMURA • YUBA

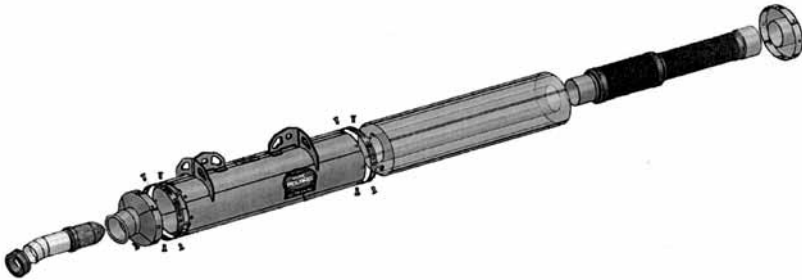
YOSHIMURA



YRD-1Q
YRD-2L

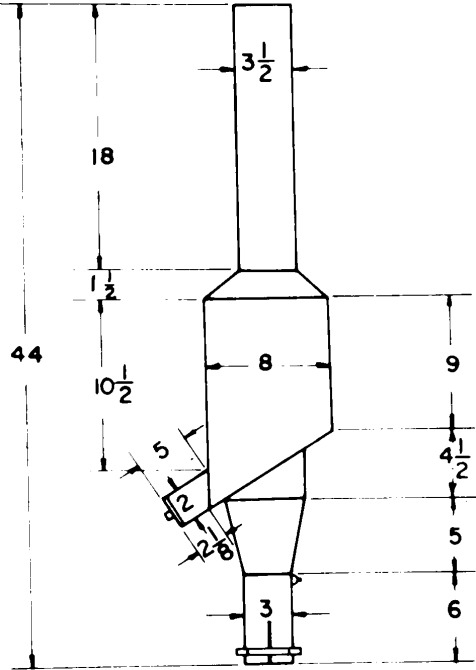


TEC-SD

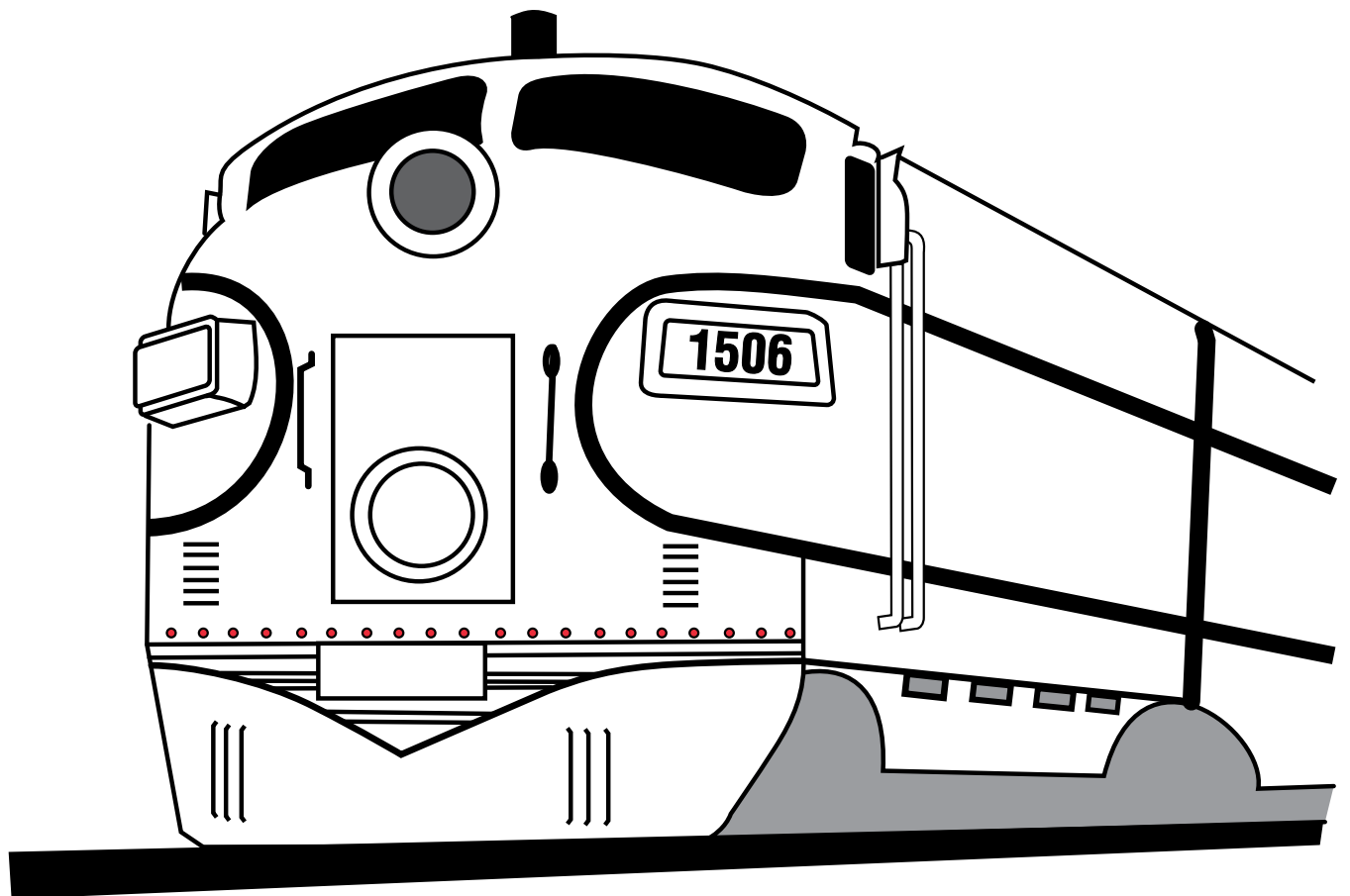


TEC-SD11

YUBA



LOCOMOTIVE-TYPE SPARK ARRESTERS



STANDARDS FOR LOCOMOTIVE-TYPE SPARK ARRESTERS

Locomotive-type spark arresters are tested in accordance with the latest revision of the Association of American Railroads (AAR) Recommended Practice RP-557, "Spark Arresters for Non-turbocharged Diesel Engines Used in Railroad Locomotives," Society of Automotive Engineers (SAE) Recommended Practice J342, "Spark Arrester Test Procedure For Large Size Engines," SAEJ997, "Spark Arrester Test Carbon," and Forest Service Standard 5100-1c, "Spark Arresters for Internal Combustion Engines."

These Standards and procedures establish the minimum performance and maintenance requirements for locomotive-type spark arresters.

EXTERNAL ARRESTERS are those designed to be installed on the locomotive exhaust stack or stacks. They may be inside or outside the engine compartment. SAE J350 or Forest Service Standard 5100-1c test procedures are used for this type arrester.

INTERNAL or MANIFOLD-TYPE ARRESTERS make use of the engine manifold and are installed below the locomotive profile. This type arrester is tested against SAE J342 or ARR Recommended Practice, RP-557.

LOCOMOTIVE-TYPE SPARK ARRESTER INSPECTION PROCEDURES

1. Look for the locomotive manufacturer's name on the locomotive frame below the cab.

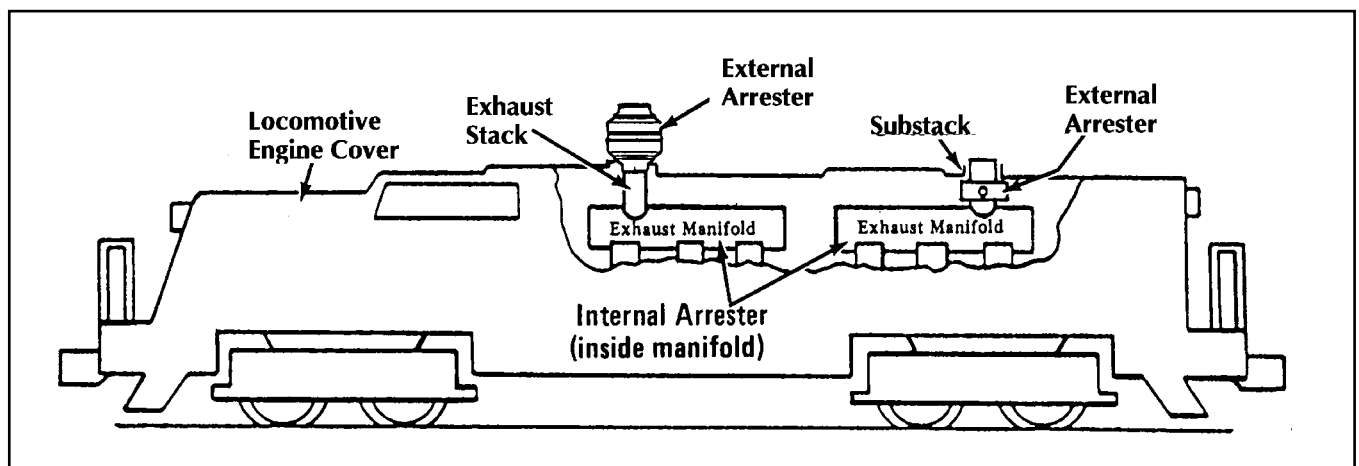
Note:

- Newer General Electric (GE) locomotives are all turbocharged.
- Electro-Motive Division (EMD) locomotives can be both turbo- and nonturbocharged, with and without a muffler.
- You will occasionally inspect an older locomotive of some other brand. The inspection procedures are similar. Determine if it is turbo- or nonturbocharged and if an arrester is needed or not.

2. If it has an arrester, look for the manufacturer's name and model number on the body of the arrester. They must be stamped on the metal body or on an attached metal plate. Internal arresters must be stamped in the metal body or on an attached metal plate affixed to the manifold.

3. If identification is established, then check the "Qualified and Rated" list.

4. If the arrester cannot be identified (i.e., tag missing), determine if the arrester is an internal arrester (manifold type), or an external arrester (generally mounted on the exhaust stack).



TYPICAL LOCOMOTIVE
Location of Internal and External Spark Arresters

5. Then turn to the locomotive identification section and check the illustrations for configuration of body type to identify make and model possibilities.

6. Check the “Qualified and Rated” pages to determine if it is qualified.

(Note: The two most often found are FARR and HAPCO.)

Inspection

1. Turbocharged Locomotives

- Inspect for carbon build-up on the eductor tubes and exhaust stack (*no arrester is required*).
- On muffler-equipped locomotives, you will have to remove or have the eductor removed for inspection.

(Note: The locomotive will have one exhaust stack.)

2. Nonturbocharged Locomotives

- Inspect for correct application of arrester.
- Arrester properly cleaned and maintained.
- Exhaust system in good order.

(Note: The locomotive can have up to four exhaust outlets and will require up to four spark arresters).

3. Steam Powered Locomotives

- Inspect for a screen over the entire exhaust stack that has been maintained in good order. Check your agency rules and regulations.

4. Tools needed for an inspection:

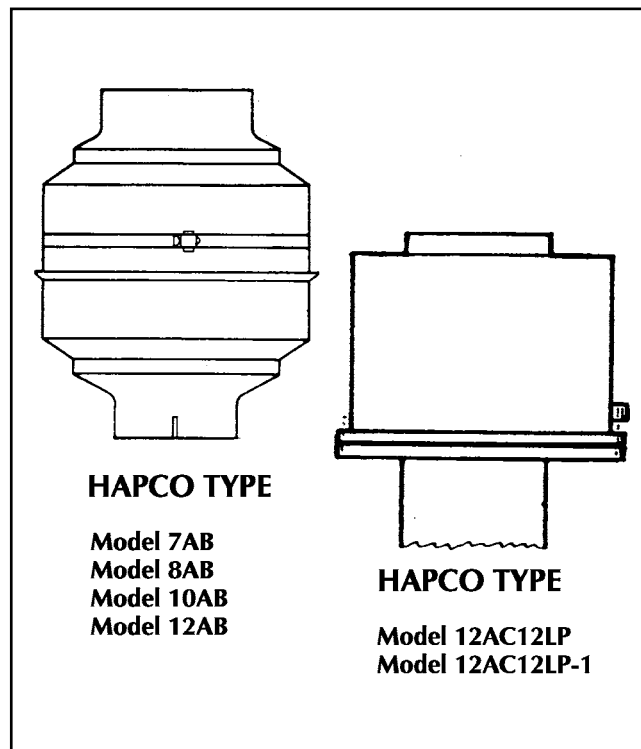
- Miscellaneous hand tools
- Coveralls
- Gloves
- Goggles
- Flashlight
- Mirror
- Carbon particle collection containers.

More detailed instructions are found in the NWCG publication “Railroad Inspection Handbook,” and the

NWCG video, “Spark Arresters and the Prevention of Wildland Fires.”

Identification Key

EXTERNAL SPARK ARRESTERS are fitted to the exhaust stack of a conventional locomotive exhaust manifold. They are identified by the manufacturers name and model number.



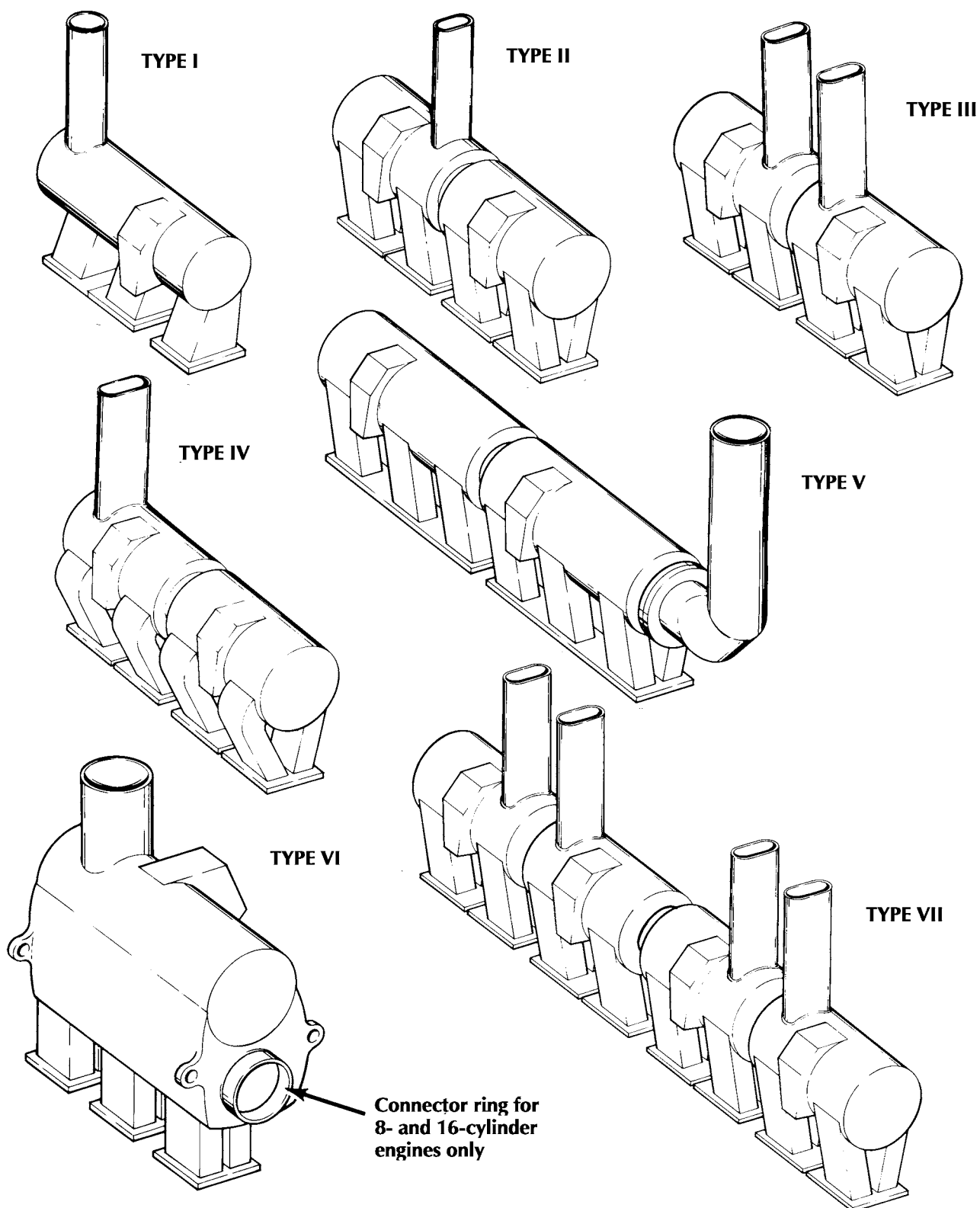
INTERNAL OR MANIFOLD-TYPE

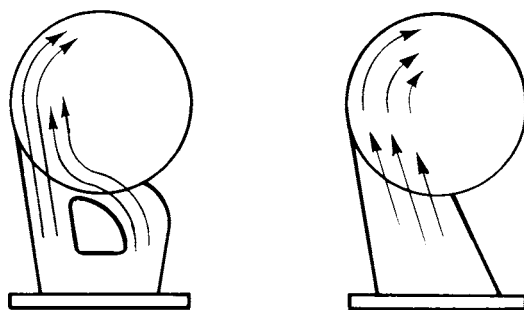
Spark arresters have seven basic body variations referred to as Types I through VII. Each of these body types may use one or more of four leg configurations referred to as A-swirl leg, B-bent leg, C-straight leg, or D-short straight leg. *See the following pages for illustrations.*

Qualified internal arresters may be redesigned manifolds or they may be originally designed as spark arrester manifolds. They can have any combination of body type and leg configuration as shown on the following pages and as listed on the individual qualification.

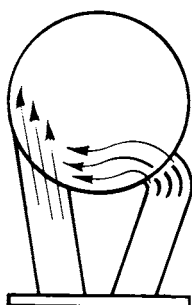
The appropriate model number will appear on the spark arrester name plate and correspond to drawing numbers on file at SDTDC.

LOCOMOTIVE SPARK ARRESTERS *Internal Spark Arresters—Body Types*

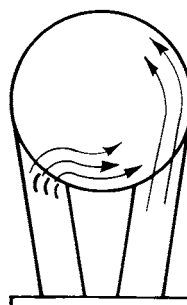




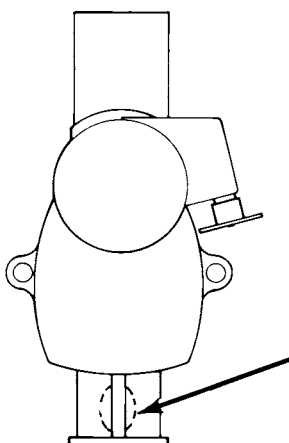
TYPE A SWIRL



TYPE B BENT



TYPE C STRAIGHT



TYPE D SHORT STRAIGHT

2012 QUALIFIED LIST—LOCOMOTIVE					
LINE	MFG	MODEL NUMBER	BODY TYPE	LEG TYPE	REMARKS
1	BUR	GN7	IV	C	Unit consists of two sections combined Two stacks near center For GP-7 only. Two units, One with exhaust stack and One without exhaust stack make a set. For GP-7, GP-9,GP-18,GP-28 & GP-38. Two units, One with exhaust stack and one without stack make a set.
2	BUR	GN8	IV	C	
3	EMD	EMD 32379	II	C	
4			(with stack)	(with stack)	
5	EMD	EMD 32379A	II	C	
6			(w/o stack)		~
7	EMD	EMD 32379AB	II	C	
8			(w/o stack)		
9	EMD	EMD 32379B	II	C	
10			(w/o stack)		For SD-7 & SD-9 with Dynamic brake. Two units, one with exhaust stack and one without stack make a set. ~
11	EMD	EMD 32379SDA	IV	C	
12			(w/o stack)		
13	EMD	EMD 32379SDAB	IV	C	
14			(w/o stack)		For GP-38, two units , one with exhaust stack and one without stack make a set. ~
15	EMD	EMD 44379	II	C	
16			(with stack)		
17	EMD	EMD 44379B	II	C	
18			(w/o stack)		Two sections form unit for half of 16 cylinder engine. Two stacks at opposite ends. ~
19	EMD	EMD 8426352	I	A	
20			(with stack)		
21	EMD	EMD 8426353	I		
22			(w/o stack)		Two sections form unit for half of 16 cylinder engine. Two stacks at opposite ends. Two sections form unit for half of 16 cylinder engine. Two stacks at opposite ends.
23	EMD	EMD 8426353	I	A	
24			(w/o stack)		
25	EMD	EMD 8426353	I	A	
26			(w/o stack)		~
27	EMD	EMD 8426353	I	A	
28			(w/o stack)		
29	EMD	EMD 8426353	I	A	
30			(w/o stack)		~
31	EMD	EMD 8426353	I	A	
32			(w/o stack)		
33	EMD	EMD 8426354	I	A	
34			(with stack)		

2012 QUALIFIED LIST—LOCOMOTIVE					
LINE	MFG	MODEL NUMBER	BODY TYPE	LEG TYPE	REMARKS
35	EMD	EMD 8426355	I	A	~
36			(with stack)		
37	EMD	EMD 8426356	I	A	Two sections form unit for half of 12 cylinder engine. Two
38			(with stack)		stacks at opposite ends.
39	EMD	EMD 8426356	I	A	~
40			(with stack)		
41	EMD	EMD 9093983	I	A	Two sections form unit for half of 16 cylinder engine. Two
42			(with stack)		stacks at opposite ends.
43	EMD	EMD 9093984	I	A	Two sections form unit for half of 16 cylinder engine. Two
44			(with stack)		stacks at opposite ends.
45	EMD	EMD 9093984	I	A	~
46			(with stack)		
47	EMD	EMD 9093985	I	A	Two sections form unit for half of 16 cylinder engine. Two
48			(with stack)		stacks at opposite ends.
49	EMD	EMD 9093986	I	A	Two sections form unit for half of 16 cylinder engine. Two
50			(with stack)		stacks at opposite ends.
51	EMD	EMD 9501801C	VI	D	For 16-645 engine-2 spark arrester unit** with 4 leg manifold
52					connector
53	EMD	EMD 9501801C	VI	D	For 8-645 engine-1 spark arrester unit** with two leg
54					manifold connector
55	EMD	EMD 9515814A	VI	D	For 12-645 engine-2 independent spark arrester unit**
56	EMD	EMD 9530989	VI	D	For 12-567A thru 12-567C engines- 2 independent spark
57					arrester units*
58	EMD	EMD 9530989	VI	D	For 6 -567A thru 6-567C engines-1 spark arrester units**.
59	EMD	EMD 9531223	VI	D	For 16-567A thru 16-567D engines - 2 spark arrester units**
60					with 4 leg manifold connector.
61	EMD	EMD 9531223	VI	D	For 8-567A thru 8-567C engines-1 spark arrester unit** with
62					two leg manifold connector.
63	FAR	C-37223***	I	C	Spark arrester has 6 legs
64	FAR	C-37247***	I	C	~
65	FAR	C-42317	II	A	May not be marked FAR #5
66	FAR	C-43888***	III	A	~
67	FAR	C-51994***	II	A	May not be marked FAR #5
68	FAR	C-58151	I	C	one round stack

2012 QUALIFIED LIST—LOCOMOTIVE					
LINE	MFG	MODEL NUMBER	BODY TYPE	LEG TYPE	REMARKS
69	FAR	C-70899	VII	C	Four oval stacks, manifolds are interconnected.
70	FAR	C-71088***	III & VII	C	Four oval stacks, one at each end and two adjacent stacks in the center, manifolds are interconnected.
71					
72	FAR	C-71372***	VII	C	Four oval stacks, manifolds are interconnected.
73	FAR	C-78327	VII	C	Same as C-70889 with side clean out spark traps.
74	FAR	C-95248***	I	C	Same as C-37223 except with a thicker base plate and side clean-out spark traps, with a removable cover for trap clean out.
75					
76	FAR	C-95248-C	I	C	Same as C-37223 except with a thicker base plate and side clean-out spark traps, with a removable cover for trap clean out.
77					
78	FAR	C-95248-C	I	C	Same as C-37223, with a heavy duty side clean out spark trap.
79	FAR	C-95248-D	I	C	Same as C-37223, with a heavy duty side clean out spark trap.
80	FAR	C-95248-E	I	C	Same as C-37223, with a increased capacity side clean-out trap and a thicker base.
81					
82	FAR	D-111513	III	C	Same as D-69642 with a increased capacity side clean-out trap, a thicker base plate and a removable cover for trap clean out.
83					
84	FAR	D-111513***	III	C	Same as D-69642 with a thicker base plate and removable cover for trap cleanout.
85					
86	FAR	D-111639	III	C	Same as D-69642 with a removable cover for trap cleanout and a reduced distance from the stack centerline to the manifold.
87					
88	FAR	D-111639***	III	C	Same as D-69642 with removable cover for trap clean out and a reduced distance from the stack centerline to the end of the manifold
89					
90					
91	FAR	D-116089	III	C	Same as D-69642 with removable cover for trap cleanout on opposite sides of the manifolds.
92					
93	FAR	D-116089***	III	C	Same as D-69642 with removable cover for trap cleanout on opposite sides of the manifolds.
94					
95	FAR	D-35001***	II	C	~
96	FAR	D-36781***	V	C	~
97	FAR	D-37458***	I	B	~
98	FAR	D-37819***	II	B and C	~
99	FAR	D-38040***	V	B and C	~
100	FAR	D-38100***	IV	C	~
101	FAR	D-38101***	IV	B and C	~
102	FAR	D-38370***	II	C	~

2012 QUALIFIED LIST—LOCOMOTIVE					
LINE	MFG	MODEL NUMBER	BODY TYPE	LEG TYPE	REMARKS
103	FAR	D-40791***	I	A	~
104	FAR	D-40841***	I	A	~
105	FAR	D-41275***	III	C	~
106	FAR	D-41431***	I	A	End view looks like bentleg (waterpipe opening
107	FAR	D-45312***	II	C	~
108	FAR	D-45313	IV	C	Side cleanout spark traps.
109	FAR	D-46091	II	C	Side cleanout spark traps.
110	FAR	D-46181	IV	C	Side cleanout spark traps.
111	FAR	D-46665***	II	A and C	~
112	FAR	D-47290***	II	C	~
113	FAR	D-47910	II	C	Side cleanout spark traps.
114	FAR	D-48747	II	A and C	Side cleanout spark traps.
115	FAR	D-49209***	I	C	~
116	FAR	D-50318***	II	C	~
117	FAR	D-50590	III	C	Side cleanout spark traps.
118	FAR	D-52151***	II	C	~
119	FAR	D-52179	IV	C	Side cleanout spark traps.
120	FAR	D-52190	II	C	Side cleanout spark traps.
121	FAR	D-52236***	V	C	Four oval stacks, manifolds are not interconnected.
122	FAR	D-52632	III	C	Side cleanout spark traps.
123	FAR	D-53043***	V	C	~
124	FAR	D-53104***	II	C	~
125	FAR	D-53347***	II	C	~
126	FAR	D-53355***	II	B	~
127	FAR	D-53415***	IV	C	p~
128	FAR	D-53934	II	C	Side cleanout spark traps.
129	FAR	D-54500	IV	C	Side or bottom clean out spark traps
130	FAR	D-54501	II	C	Side or bottom clean out spark traps
131	FAR	D-54502	II	C	Side or bottom clean out spark traps
132	FAR	D-54503	IV	C	Side or bottom clean out spark traps
133	FAR	D-54504	II	C	Side or bottom clean out spark traps
134	FAR	D-54505	IV	C	Side or bottom clean out spark traps
135	FAR	D-58438***	IV	C	One round stack
136	FAR	D-59286***	IV	C	One round stack, standard EMD manifold.

2012 QUALIFIED LIST—LOCOMOTIVE					
LINE	MFG	MODEL NUMBER	BODY TYPE	LEG TYPE	REMARKS
137	FAR	D-62777	II	C	One oval stack, quick opening side clean-out spark trap.
138	FAR	D-62778	IV	C	One oval stack, quick opening side clean-out spark trap.
139	FAR	D-65800***	IV	C	One round stack , manifolds connected by a flex joint connector.
140					
141	FAR	D-66531***	IV	B or C	One oval stack, quick opening side clean-out spark trap
142	FAR	D-66541***	IV	C	One oval stack.
143	FAR	D-69642***	III	C	Two oval stackslocated in the middle, manifolds are not interconnected.
144					
145	FAR	D-71303***	VII	C	Four oval stacks, manifolds are not interconnected.
146	FAR	D-7221***	VII	A	Four oval stacks, manifolds are not interconnected.
147	FAR	D-72222***	II	A	Two rectangular stacks, manifolds are interconnected.
148	FAR	D-72687***	IV	B and C	Same as D-38101 with flex joint in place of band clamp.
149	FAR	D-72698***	III	B and C	Four oval stacks, manifolds are not interconnected.
150	FAR	D-72704***	III	B and C	Four oval stacks, manifolds are not interconnected.
151	FAR	D-73358***	VII	C	Approved as D-71303
152	FAR	D-75318***	III	C	Approved as D-69642
153	FAR	D-78348	V	C	Same as D-530043 with a flex joint and bottom clean-out spark traps.
154					
155	FAR	D-96702	II	C	Same as D-52190 with a side clean-out spark trap a thicker mounting flange base plate and a removable cover for trap
156					cleanout.
157					
158	FAR	D-96702***	II	C	Same as D-52190 with a side clean-out spark trap a thicker mounting flange base plate and a removable cover for trap
159					cleanout
160					
161	FAR	D-99346 ***	III	C	Same as D-69642 with thicker base plate and a reduced
162					distance from centerline of the stack to the end of the
163					manifold.
164	FAR	D-99346***	III	C	Same as D-69642 with a thicker exfor increase thickness of
165					the base plate and a reduced distance from centerline of the
166					stack to the manifold is reduced to 2.89 inch.
167	HAR	HAPCO 10 AB*	External	N/A	Single inlet fits on exhaust stack.
168	HAR	HAPCO 12 AB*	External	N/A	Single inlet fits on exhaust stack.
169	HAR	HAPCO 12			
170		AC12LP*	External	N/A	Single inlet fits on a round or oval exhaust stack.

2012 QUALIFIED LIST—LOCOMOTIVE

LINE	MFG	MODEL NUMBER	BODY TYPE	LEG TYPE	REMARKS
171	HAR	HAPCO 12	External	N/A	Single inlet fits on a round or oval exhaust stack. Single inlet fits on exhaust stack. Single inlet fits on exhaust stack with horizontal or vertical application.
172		AC12LP-1*			
173	HAR	HAPCO 7 AB*			
173	HAR	HAPCO 7 AC 1*			
174			External	N/A	
175	HAR	HAPCO 8 AB*	External	N/A	Single inlet fits on exhaust stack.
176	PEN	C-466143-C	II	C	For EMD GP-9, RR class ERS 17.
177	SPR	PT1	III	B	For GP-9 (discontinued model)
178	SPR	PT11	I	B	For SD-9 (discontinued model)
179					
180					
181					

A description of the terms used in the Locomotive Spark Arrester Update table follows:

MFG Manufacturer

FAR Farr Company—Model 5 Locomotive Spark Arresters; Not all Farr Model 5 exhaust devices are qualified Locomotive Spark Arresters, only the Farr Model 5 model numbers listed on this qualified list.

Footnotes—

** = Harco series are external spark arresters designed to be installed on standard locomotive manifold stacks. The back pressure of an external arrester is additive to that of the manifold. Users of external arresters should measure maximum manifold leg backpressure with the arrester installed to make certain it does not exceed the 3 1/2 inches of mercury backpressure limit, specified by the AAR Recommended Practice RP-557, "Spark Arresters For Non-Turbocharged Diesel Engines in Railroad Locomotives."*

*** = Spark arrester has 6 legs.*

**** = All have bottom spark trap clean-outs.*

2012 LOCOMOTIVE-TYPE SPARK ARRESTERS MANUFACTURERS LIST

BUR = BURLINGTON NORTHERN, INC., Great Northern Railway

EMD = ELECTRO-MOTIVE DIVISION, General Motors

FAR = HARCO MANUFACTURING COMPANY

PEN = PENN CENTRAL TRANSPORTATION CO.

SPR = SOUTHERN PACIFIC RAILROAD

HELPFUL HINTS

REMEMBER: The **RULE OF THREE** applies to Locomotive arresters, as well as General Purpose arresters. An approved arrester must have all of the following:

1. A manufacturer brand name/trademark.
2. A spark arrester model number.
3. A cleanout.

SUGGESTIONS

- If it is a turbocharged locomotive, inspect the eductor tubes.
- If the locomotive is muffler equipped, the eductor must be removed for inspection.
- If not turbocharged, then it has to have a spark arrester. There are less than a dozen brands of locomotive spark arresters in common use.

CHECK LIST

1. Has the locomotive been *BLUE FLAGGED** for safety while you conduct the inspection?
2. Make sure everyone who could move the locomotive knows you are conducting an inspection.
3. Always face the locomotive when climbing on or off the equipment.
4. A witness is very helpful when encountering violations.
5. Use a piece of chalk to write the locomotive number on the stack for documentation when taking photographs.

*Association of American Railroads requirement.

HOW TO CONDUCT THE STATIONARY SOUND TEST

This is a summary of the SAE J1287 JUL98 stationary sound test procedure. Although stationary test measure primarily exhaust noise, this test has been designed to pass quiet vehicles (those which test below a specified limit) and fail those that exceed a certain sound level limit.

This procedure may be used to allow motorcycles and ATVs to enter an OHV park, as a prerequisite for entry into a competitive event, or to support enforcement actions for those vehicles subjectively observed as being too loud.

Sound Test Equipment

For convenience, attach a 20-inch string to the front of the sound level meter for the stationary sound test.

Do not use a stick or wire for this purpose as the sound level reading may be affected.

Allow the sound level meter to come to the same temperature as the surroundings.

Set sound level meter to the slow dynamic response and the A-weighting network (if equipped with this option).

Test Site

No one should be within 10 feet (3 meters) of the vehicle other than the rider, the sound meter operator, an assistant to hold the front of the vehicle (if needed) and one other person directly behind the sound meter operator (if needed).

The test area should be a flat, open surface free of large sound-reflecting surfaces within 16 feet (5 meters), such as parked vehicles, buildings, signs, and hillsides.

The surface should be free of loose soil, snow, or grass higher than 6 inches (150 millimeters).

The ambient sound level (including wind effects) at the site shall be at least 10dB lower than the sound level of the vehicles tested.

Always use a windscreen under windy conditions. The stationary test procedure should not be conducted if the wind speed is 20 mph (9m/s) or higher.

If it is necessary to test in higher winds, position the vehicle so the wind direction is parallel to the normal direction of travel of the vehicle.

Also, do not attempt sound level measurement when it is raining or snowing.

Measuring the Vehicle Sound

Make sure the engine is warmed up and the transmission is in neutral.

Have the rider sit on the motorcycle with both feet on the ground, or on the ATV with feet on the footrests, so that the vehicle is vertical and stationary.

Hold the sound meter:

1. At a 45-degree angle to the exhaust centerline (the normal line of travel).
2. Parallel to the ground.
3. 20 inches (0.5 meter) to the rear of the exhaust outlet.
4. At the same height as the exhaust outlet.

Determine the test rpm for the make, model, and year of vehicle from the tables in this manual.

If the test rpm (one-half the maximum rated rpm) is not available, please see alternatives for the test rpm below.

Set the vibrating reed tachometer to the test rpm, or attach an electric tachometer.

Have the rider or assistant hold the vibrating reed tachometer against any solid part of the vehicle, or have the rider or assistant read the meter of the electric tachometer.

Have the vehicle operator slowly increase the engine speed to the test rpm.

Have the vehicle operator or assistant signal when the correct rpm is held (e.g., by tapping his foot). Read the sound level meter when the correct rpm is held.

Test RPM

If the test rpm (one-half the maximum rated RPM) is not available on the tables that follow, the following options may be used:

1. One-half of the redline speed may be used, however the measure sound will be higher than the level using the test rpm and a 3 dB tolerance must be added to the sound level measured. For more information on using one-half of the redline speed, please refer to the "SAE Standard J1287, Appendix A, A.1 Enforcement Testing."
2. The closing rpm (according to the Federal Test Procedure) contained on the "Motorcycle Noise Emission Control Information" label may be used to determine one-half the maximum rated RPM. To determine one-half of the maximum rate RPM from the closing RPM value on the motorcycle label, use the appropriate formula below:

Engine Size	1/2 Maximum Rated RPM
0-175 cc	"Closing rpm" divided by 1.9
176-675 cc	"Closing rpm" divided by $[2.18 - (.0016 \times \text{engine size in cc})]$
Over 675 cc	"Closing rpm" divided by 1.1

RECOMMENDED SOUND LIMITS

The Motorcycle Industry Council, Inc. and the Specialty Vehicle Institute of America recommend the following maximum sound limit, based on the stationary sound test procedure (SAE J1287):

Motorcycles & ATVs	Maximum Sound Level
General Off-Highway	96 dB(A) with (SAE J1287)
Closed-Course Competition Events	The sound limits established by the organization sanctioning the event should be followed.

The 96 dB(A) limit is recommended as the maximum in areas where no sound level laws exist. Many states and localities, however, have ordinances mandating other sound level limits. Always check for the existence of local ordinances prior to riding in a new area.



1985-2005 Model Test RPM Data MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

ARTIC CAT ATVs																									
Engine Model		MODEL YEAR																							
Engine Size (cc)	ENGINE PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005			
TEST RPM																									
50	50 2x4																					2750	2750		
90	90 2x4 2 Stroke																			3500	3500	3500	3750		
250	90 2x4 4 Stroke																			3500	3500	3750	3750		
	250 2x4																4850	4850	3750	3750	3750	3750	3750		
250	250 4x4																								
300	300 2x4																	3750	3750	3750	3750	3750	3750		
300	300 4x4																	4650	4650	3500	3500				
	375A 2x4,4x4																	4650	4650	3500	3500	3500	3500		
375	375A 2x4,4x4																								
400	400 2x4																			3250					
400	400 4x4																			3500					
	400A 2x4																			3500	3500	3500			
400A	400A 2x4																					3250	3250		
	400A 4x4																					3250	3250		
400M	400M 2x4																					3500	3500		
	400M 4x4																				3500	3500	3500		
400M	400M 2x4																								
	400M 4x4																								
400M	400M 2x4																								
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400M	400M 2x4													</											

1985-2005 Model Test RPM Data

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1985-2005 Model Test RPM Data																										
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs																										
HONDA MOTORCYCLES													MODEL YEAR													
Engine	MODEL	ENGINE														TEST RPM										
Size		PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005			
(cc)																										
50	CRF50F	AE03E																				4250	4250			
	XR50R	AE03E																4250	4250	4250						
	Z50R	AB02E	3750	3750	3750	4250	4250			4250	4250	4250	4250	4250	4250	4250										
	ZB50	AB22E				4000																				
	70	CRF70F	DE02E																							
	CT70	DB01E																								
	XR70R	DE02E							4000	4000	4000	4000										4000	4000			
80	CR80R*/RB*	HE04E	7500	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	4000	4000	4000	4000	4000	4000	4000					
	CRF80F	HE01E													4000	4000	6250	6250	6250	6250	6250					
	XL80S	HD04E	3250																			5000	5000			
	XR80R	HE01E	5250	5250	5000	5000		5000	5000		5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000					
	85	CR85R*/RB*	HE07E																			6000	6000			
90	EZ90(CUB)	HE06E								3125	3125	3125	3125	3125												
100	CRF100F	HE03E																								
	XL100S	HD05E	4750										4500	4500												
	XR100	HE03E	4750										4500	4500	4500	4500	4500	4500	4500	4750	4750					
	XR100R	HE03E		4750	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500												
110	CT110	JD01E		3750																						
125	CR125R*	JE01E	5750	5750	5750	5500	5500	5500	5500	5500	5500	5500	5500	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750			
	XL125S	JD02E	4750																							
150	CRF150F	KE01E																								
200	XR200R	ME04E, ME05E		4250	4000	4000		4000	4000		4000	4000	4000	4000	4000	4000	4000	4000	4000	4000						
230	CRF230F	ME09E																			4000	4000	4000			
250	CR250R*	ME03E	4000	4250	4000	4250	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000			
	CRF250R*	ME01E																								
	CRF250X	ME11E																				5500	5500			
																						4500	4500			
	XR250L	MD22E							4000	4000	4000	4000	4000	3000												
	XR250R	49S ME06E		2000	2000	2000		2000	4000	4000	4000	4000	4000	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500			
	XR250R	CA ME06E														4000	4000	4000	4000	4000	4000	4000				
350	XL350R	ND03E	3750																							
	XR350R	NE01E	3750																							
400	FL400	TE16E						3000																		
	XR400R	NE03E																								
450	CRF450R*	PE05E													3500	3750	3750	3750	3750	3750	3750	3750	3750			
	CRF450X	PE06E																4500	4500	4500	4500		3750			
500	CR500R*	PE02E	3250	3250	3250	3000																				
600	XL600R	PD03E	3000	3000	3000																					
	XR600R	49S PE04E	3250	3250	3250	3125		3125	3250	3250	3250	3250		3250	3250	3250	3250	3250	3250							
	XR600R	CA PE04E														3000	3000	3000								
650	XR650L	RD06E									3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000			
	XR650R	RE01E																3250	3250	3250	3250	3250	3250			
* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles																										

* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles

1985-2005 Model Test RPM Data

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1985-2005 Model Test RPM Data
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

KAWASAKI MOTORCYCLES		MODEL YEAR																
Engine	MODEL	ENGINE																
Size		PREFIX																
(cc)		TEST RPM																
50	KDX50-A1-3	A102																
60	KX60-B1-4,B9-11,B17-19*	KX060BE	6000	6000	6000												2500	2500
	KX60-B6-8*	KX060BE															6000	
	KX60-B12-16*	KX60BE																
65	KX65-A1-A6*	KX065AE																
	KD80-M7-8	KD080ME	3250	3250														
	KD80-N1-2	AR080AE																
	KDX80-C1-3,C5	DX080BE	5000	5000														
	KX80-E3,G1-2*	KX080EE	6000	6000														
	KX80-L1-3,R1-75,T1-4*	KX080EE/RE																
	KX80-R6-7,W1-3*	KX80RE/WE																
85	KX85-A1-A5*	KX085AE																
100	KE100-B5,7,9-14	G5E,G5E1	3750															
	KE100-B15-19	G5E201/203																
	KE100-B20	G5E21																
	KX100-B5-7,C1-3*	KX100BE/CE																
	KX100-D1-5*	KX100CE																
110	KLX110-A1-4	LX110AE																
125	KLX125-A1,B1	F445																
	KX125-D1,E1-2*	KX125DE	5500	5500	5750													
	KX125-F1,G1,H1-2,J1-2*	KX125FE/JE																
	KX125-K1-5*	KX125KE		5750														
	KX125-L1-2*	KX125KE																
	KX125-L3,L4*	KX125LE																
	KX125-M1-3*	KX125ME																
200	KDX200-A3	DX200AE	3750															
	KDX200-C1-3	DX200CE																
	KDX200-E1-6	DX200EE	3500	3500														
	KDX200-H1-11	DX200HE																
220	KDX220-A4-12	DX220AE																
250	KDX250-D1-4	DX250DE/FE																
	KL250-D2-12	KL250DE	4500	4500	4250													
	KL250-D13-17	KL250DE																
	KL250-D18-22	KL250DE																
	KL250-G5-7 Super Sherpa	KL250GE																
	KLX250-D1-4	LX250DE																
	KX250-D1-2*	KX250DE	4200	4000														
	KX250-E1,F1,G1,H1-2,J1-2*	KX250EE																
	KX250-K1-5,L1-2*	KX250KE/LE																
	KX250-L3,L4*	KX250LE																
	KX250-M1-2* (2 Stroke)	KX250ME																
	KX250-N1-2* (4 Stroke)	KX250NE																
	KX250-R1*	KX250RE																

1985-2005 Model Test RPM Data

* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles



1985-2005 Model Test RPM Data Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

KAWASAKI ATVS																							
Engine Size	MODEL	ENGINE PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
(cc)																							
50	KSF50-A1	A110																			2500		
80	KSF80-A1	C113																			3500		
110	KL110-A2-3	LT110AE	4250	4250																			
	KL110-A1-2,B	LT110AE			4250	4250																	
160	KL160-A1	LT160AE	3750																				
185	KL185-A1-4	LF185AE	3500	3500	3500	3500																	
	KL185-A1-2	LF185AE		3500	3500																		
220	KL220-A1-8	LF220AE/BE					3500	3750	3750	3750	3750	3750	3750	3750									
	KL220-A9-15	LF220AE						3500	3750	3750	3750	3750	3750	3450	3450	3450	3450	3450	3750	3750			
250	KL250-C3	KZ250RE	3750																			3500	3500
	KL250-A1-3	LF250AE																			3500	3500	3500
	KSF250-A1-9,15-18	SF250AE			4000	4000	4000	4000	4000	4000	4000	4000	4000	3600	3600	3600	3600	3600	4000	4000	4000	4000	4000
	KSF250-A10-14	SF250AE												3600	3600	3600	3600	3600					
	KXT250-A2	XDT250CE	4250																				
	KXT250-B1-2	KX250DE		3750	3750																		
300	KEF300-A1-6	EF300AE											3500	3200	3200	3200	3200	3200					
	KEF300-B1, B2, B4	EF300AE																	3500	3500			3500
	KEF300-B3	EF300AE																			3250		
	KL300-A1-2,B1	LF300AE		3500	3500																		
	KL300-B2-7,C1-7	LF300AE						3250	3250	3250	3250	3250	3250	3000	3000	3000	3000	3000					
	KL300-B9-13,C8-12	LF300AE																	3250	3250	3250	3250	3250
	KL300-B14-18	LF300AE																	3250	3250	3250	3250	3250
	KL300-C13-17	LF300AE																					
	KVF300-A1-2,B1-2	VF300AE															3200	3200					
	KVF300-A3-4	VF300AE																	3500	3500			
360	KVF360-A1-3,B1-3,C1-3	VF360AE																			3500	3500	3500
400	KL400-B4,B6-7	LF400AE										3000	3500	6000		6000	6000						
	KVF400-A1-2,C1-2	VF400AE												6500	6500	6500	6500						
	KVF400-B1,D1-2	VF400AE													6500	6500	6500						
	KSF400-A1L	K428																			3500		
650	KVF650-A1-2,D1	VF650AE																			3250	3250	3250
	KVF650-B2,E1	VF650AE																			3250	3250	3250
700	KSV700-A1-2,B1-2	SV700AE																					
	KVF700-A1-2,B1,D1	VF700AE																			3250	3250	3250
750	KVF750-A1,B1	VF750AE																				3250	3250

1985-2005 Model Test RPM Data

[illegible]

1985-2005 Model Test RPM Data																								
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs																								
KTM MOTORCYCLES (cont)			MODEL YEAR																					
Engine Size (cc)	MODEL	ENGINE PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
			TEST RPM																					
500	GS	565	3250	2950																				
	MX/MXC*	565	3250	2950	4025	2950		2950	4450	4450														
	SX*	565								3250														
520/525	SX*,MXC*,EXC* Racing	590																	4600	4600	4600	4600	4600	
540	DXC*	565							4375	4375														
550	DXC*,E550 MXC*	565								3250	3250	3250	3250	3250										
600/620	EXC*/DXC*/MX/ MXC*	580				4000		4000	4000	4000	4000	4000												
	LC4 EXC*/RXC*/RXCe*	583										3625	3625	3625	3625	3625								
	SX*/TXC	583												3625	3625	3625								
625	625 SXC	584																			3450	3450		
640	LC4 DUAL	584															3450	3450						
	LC4,LC4 ADVENTURER	584															3450	3450	3450	3450			3450	
	LC4 Supermoto*	584																	3450	3450		3450	3450	
950	LC8 Adventure	600																			4750	4750	4750	
* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles																								

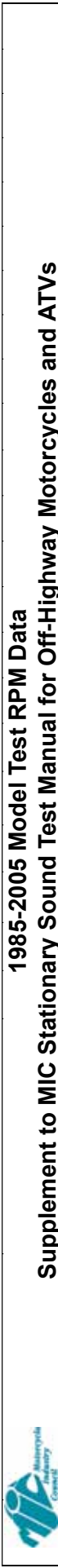
1985-2005 Model Test RPM Data																								
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs																								
POLARIS ATVS																								
Engine	MODEL	ENGINE	MODEL YEAR																					
Size	PREFIX		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
(cc)			TEST RPM																					
50	Predator 50/Scrambler 50	AR03-01																	3750	3750	3750	3000	3000	
90	Predator 90	AR07																			3750	3000	3000	
	Scrambler 90	AR07-01																	3750	3750	3750	3000	3000	
	Sportsman 90	AR07																	3750	3750	3750	3000	3000	
200	Phoenix 200	V39																					3750	
250	Cyclone																							
	Scrambler		3000	3000																				
	Trail Boss 250, 2X4 4X4	ALL			3000	3000		3000	3000	3000	3000	3000	3000	3000	3000	3000	3000							
	Trail Blazer	EC25PF 07/09/11																						
	Trail Blazer ES	EC25PFE09																	3000	3000				
	Trail Blazer	EC25PFE15																		3000	3000	3000	3000	
	Xplorer 4x4	EC25PFE15																		3000	3000	3000	3000	
300	2X4 300,4X4 300	EC28PFE01										2750	2750											
	Xplorer 300	EC28PFE01/02												2750	2750	2750	2750							
	Xpress 300	EC28PFE01/02												2750	2750	2750	2750							
325	Magnum 325	ES32PFE 01/04/05																	3000					
	Trail Boss 325	ES32PFE 01/04/05/09																	3000	3000	3000			
	Magnum 325 2X4, 4X4	ES32PFE08																	3000	3000	3000			
	Xpedition 325	ES32PFE03																	3000	3000				
330	ATP 330	ES32P10																					3375	
	Magnum 330 2X4,4X4	ES32P10																			3375	3375	3375	
	Trail Boss 330	ES32P10																			3375	3375	3375	
335	Sportsman 335	ES33PFE01/02																	3000	3000				
350	Trail Boss 2X4	EC35PL02						2900	2900	2900														
	Trail Boss 4X4	EC35PL02						2900	2900	2900	2900													
400	2X4 400L	EC38PLE01										2750	2750											
	4X4 400L	EC38PLE01										2750												
	Scrambler 4X4/400L	EC38PLE 03/05/07/09												2850	2850	2850	2850	2850						
	Scrambler 400 2X4,4X4	EC38PLE09																	3000	3000				
	Sport 400/400L	EC38PLE 03/05/07/09												2850	2850	2850	2850	2850						
	Sportsman 4X4/400L	EC38PLE 01/04/06												2750	2750	2750								
	Sportsman 400	EH42P05																	3000	3000	3000	3000	3000	
	Trail Blazer 400	EC38PLE																						
	Xplorer 4X4/400L/400	EC38PLE												2750	2750	2750	2750	2750	2750	2750				
	Xpress 400L	EC38PLE04/06													2750	2750								
425	Magnum 2X4	EH42PLE01/02											3000	3000	3000	3000								
	Magnum 4X4	EH42PLE01/02											3000	3000	3000	3000								
	Xpedition 425	EH42PLE04																	3000	3000	3000			

1985-2005 Model Test RPM Data																										
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs																										
POLARIS ATVS (continued)				MODEL YEAR																						
Engine	MODEL	ENGINE		TEST RPM																						
Size	PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005				
(cc)																										
500	ATP 500	EH50P20																								
	Diesel	DW46PLE01/02															2000	2000	2000				3250			
	Magnum 500/RMK	EH50P04/08															3000	3000	3000	3000	3000	3000	3000			
	Predator 500	ES50P01																								
	Scrambler 500	EM50PLE02/04												3250	3250	3250	3250						4000			
	Sportsman 500	EM50PLE 01/05/07/09											3000	3000	3000	3000										
	Scrambler 500 2x4	EH50PLE12																3250	3250							
	Scrambler 500 4x4	EH50P02/04																3150	3150	3150	3150	3150	3150			
	Sportsman 500 HO	EH50P13																3150	3150	3150	3150	3150	3150			
	Sportsman 6x6	EH50P10																3000	3000	3000	3000	3000	3000			
	Xplorer 500	EM50PLE07												3000												
600	Sportsman 600	EH59P11																			3000	3000	3000			
700	Sportsman 700	EH68P15																		3000	3000	3000	3000			
	Sportsman 700 EFI	EH68P21																			3000	3000	3000			
800	Sportsman 800 EFI	EH76																								

1985-2005 Model Test RPM Data

SUZUKI MOTORCYCLES		1980's																								1990's																								2000's																							
Engine Size	MODEL	ENGINE PREFIX				1985	1986	1987	1988	1989	1990	1991	1992	MODEL YEAR				1996	1997	1998	1999	2000	2001	2002	2003	2004	2005																																														
(cc)														TEST RPM																																																											
50	JR50	A102	3000	3000	3000	3000								3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500																																															
60	RM60*	KX060BE/CE																						5250	5250																																																
65	RM65*	KX65B																						6250	6250	6250																																															
80	DS80,JR80	C106,A102	3750	3750	3750	3750			3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750																																															
	RM80*	D101	6000	6000																																																																					
	RM80*	D104/E106			6250	6250			6000																																																																
	RM80*	D106								6000	6000	6000	6000	6000	6000	6000	6125	6125	6125	6125	6125	6125																																																			
85	RM85*, RM85L*	D107																					6000	6000	6000	6000																																															
100	RM100*	KX100CE																							5750																																																
	DR100	E403	4750	4750	4750	4750			4750	4750																																																															
110	DR-Z110	LX110A,LX110BE																						3500	3500																																																
125	DR125, DR125SE	F413, F417	4750	4750	4750	4750											4750	4750	4650																																																						
	DR-Z125, DR-Z125L	F445	4750	4750	4750	4750																		4000	4000	4000																																															
	RM125*	F108	5625	5625																																																																					
	RM125*	F113,F114,F134			5750	5750			5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750																																															
	SP125	F413	4750	4750	4750	4750																																																																			
200	DR200,DR200SE,SP200	H401/H402			4250	4250												4250	4250	4250	4250	4250	4250	4250	4250	4250																																															
250	DR250,SP250	J402,J401	4250																																																																						
	DR250,DR250SE	J419								4100	4100	4100	4100	4100																																																											
	DR-Z250	J428																																																																							
	RM250*	J102,J106,J110,J115,J119																4000	4000	4000	4000	4000	4000	4000	4000	4000																																															
	RMX250	J111							3250	3250	3250	3250																																																													
	RMX250	J112															3750	3750	3750	3750																																																					
	RM-Z250*	KXZ250NE																							5500	5500																																															
350	DR350	K404								4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000																																																					
	DR350SE	K404							4000	4000	4000	4000	4000	3800	3800	3800	3800	3800	3800	3800																																																					
400	DR-Z400,DRZ400E	K416/K417																																																																							
	DR-Z400S,DR-Z400E	K419																																																																							
650	DR650S,DR650SE	P403,P407,P409								3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250																																															
* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles																																																																									

* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles



 1985-2005 Model Test RPM Data
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

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1985-2005 Model Test RPM Data

[illegible]

1985-2005 Model Test RPM Data																								
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs																								
YAMAHA MOTORCYCLES (cont)																								
MODEL			MODEL YEAR																					
Engine Size (cc)	ENGINE PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005		
TEST RPM																								
350	BW350T/U																							
	TY350		2500		3250																			
	TT350		3500	3500																				
	XT350,XT350C		4250	3750																				
	XT350				3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	
400	WR400*														4500	4500	4500	4500						
	YZ400*														4500	4500	4500	4500						
426	WR426F																	4250	4250					
	YZ426*,YZ426F*																4500	4500	4500					
450	WR450F																				4500	4500	4500	
	YZ450F*																				4500	4500	4500	
490	YZ490*		3500	3500	3500	3500	3500																	
500	WR500Z*							3500	3500															
										3500	3500	3500												
600	TT600		3250	3250																				
	XT600		3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	
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1985-2005 Model Test RPM Data

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[illegible]397

2006-2009 Model Test RPM Data

HONDA MOTORCYCLES							HONDA ATVS				
Engine	Engine			Test RPM			Engine	Test RPM			
Size	Model	Prefix	Model Year	Size	Model	Prefix	Model Year				
(in cc)				(in cc)							
50	CRF50F	AE03E	4250	90	TRX90	TE18E	3750				
70	CRF70F	DE02E	4000	250	TRX250EX	TE27E	3500				
80	CRF80F	HE01E	5000		TRX250TM/TE	TE21E	3250				
85	CR85R/RB**	HE07E	6000	300	TRX300EX	TE19E	3500				
100	CRF100F	HE03E	4750	350	TRX350FE/FM	TE25E	3250				
125	CR125R*	JE01E	5750		TRX350TE/TM	TE24E	3250				
150	CRF150F	KE02E	4250	400	TRX400EX	TE23E	3500				
	CRF150R/RB*	KE03E	6250		TRX400FA/FGA	TE29E	3250				
230	CRF230F	ME09E	4000	420	TRX420FE/FM	TE35E	3000				
250	CR250R*	ME03E	4000		TRX420TM/TE	TE34E	3000				
	CRF250R*	ME10E	5500	450	TRX450R	TE32E	3750				
	CRF250X	ME11E	4500	500	TRX500FA/FGA	TE26E	3250				
450	CRF450R*	PE05E	4500		TRX500FE/FM/TM	TE31E	3000				
	CRF450X	PE06E	3750	680	TRX680FA/FGA	TE33E	3000				
650	XR650L	RD06E	3000								
	XR650R	RE01E	3250								
* Not certified to meet the federal EPA noise regulations for newly manufactured off-highway motorcycles.											

* Not certified to meet the federal EPA noise regulations for newly manufactured off-highway motorcycles.



2006-2009 Model Test RPM Data
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

KAWASAKI MOTORCYCLES										KAWASAKI ATVs				
Engine	Engine	Test RPM				Engine	Model	Engine	Model	Engine	Test RPM			
Size	Size	Model Year				Size	Prefix	Size	Prefix	Size	Model Year			
(in cc)	(in cc)	2006	2007	2008	2009	(in cc)		(in cc)		(in cc)	2006	2007	2008	2009
50	KDX50-A6	A102	2500			50	KSF50-A6	A110	2500					
65	KX65-A6,A7*	KX065AE	6250	6000			KSF50-B7	WA10				3750		
85	KX85-A6-7,KX85-B6-7*	KX085AE	6000	6000		80	KSF80-A6	C113	3500					
100	KX100-D6-7*	KX100CE	5750	5750		90	KSF90-A7	WA20				3750		
110	KLX110-A6-7	LX110AE	3500	3500		250	KLF250-A6-7	LF250AE	3500			3500		
125	KLX125-A6,B6	F445	4000			360	KVF360-A6-7	VF360AE	3500			3500		
	KX125-M6*	KX125ME	5750				KVF360-B6-7	VF360AE	3500			3500		
200	KDX200-H6	DX200HE	3500				KVF360-C6-7	VF360AE	3500			3500		
250	KX250-R6-7*	KX250RE	4500	4500		450	KFX450R-B8	SF450BE					3750	
	KX250-T6-7*	KX250TE	5750	5750		650	KVF650-D6-7		3250			3250		
300	KLX300-A6-7	LX300AE	3500	3500			KVF650-E6-7	VF650AE	3250			3250		
450	KX450-D6-7*	KX450DE	4250	4250			KVF650-F6-7	VF650AE	3750			3750		
							KVF650-G6-7	VF650AE	3750			3750		
							KVF650-H7	VF650AE	3750			3750		
* Not certified to meet federal EPA noise regulations for newly manufactured off-highway motorcycles.										700	KSV700-A6-7	SV700AE	3250	
											KSV700-B6-7	SV700AE	3250	
											KSV700-C6	SV700AE	3250	
											KVF700-A6	VF700AE	3250	
											KVF700-D6	VF700AE	3250	
										750	KVF750-A6-7	VF750AE	3250	
											KVF750-B6-7	VF750AE	3250	
											KVF750-C6-7	VF750AE	3250	



2006-2009 Model Test RPM Data

Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

POLARIS ATVs										
Engine Size	Model	Engine Prefix	Test RPM							
(in cc)			Model Year							
			2006	2007	2008	2009				
50	Predator 50-2 Strk	AR03-01	3000							
	Predator 50-4 Strk	RF3KA05		3750						
	Scrambler 50-2 Strk	AR03-01	3000							
90	Outlaw 90 -4 Strk	RF3KA09		4000						
	Predator 90-2 Strk	AR07	3000							
	Sportsman 90-2 Strk	AR07	3000							
	Sportsman 90-4 Strk	RF3KA09		4000						
200	Phoenix 200	V39	3750	3750						
	Sawtooth 200	V39	3750	3750						
250	Trail Blazer	EC25PFE15	3000							
300	Hawkeye 300	ES30P	3375	3375						
330	Magnum 330 2X4	ES32P10	3375							
	Magnum 330 4X4	ES32P10	3375							
	Trail Boss 330	ES32P10	3375	3375						
450	Sportsman 450	EH46P	3250	3250						
500	ATP 500	EH50P20	3250							
	Predator 500	ES50P01	4000	4000						
	Outlaw 500	ES50P04	4000	4000						
	Scrambler 500 4x4	EH50P04	3150	3150						
	Sportsman 500 HO	EH50P13	3150							
	Sportsman 500 EFI	EH50P21	3250	3250						
	Sportsman X2 500 EFI	EH50P21	3250	3250						
	Sportsman 6x6 (utility vehicle)	EH50P10	3000	3000						
525	Outlaw 525	ES051KLE		4000						
700	Sportsman 700 EFI	EH68P	3000	3000						
800	Sportsman 800 EFI	EH76P	3000	3000						
	Sportsman X2 800 EFI	EH76P	3000	3000						

KTM MOTORCYCLES										
Engine Size	Model	Engine Prefix	Test RPM							
(in cc)			Model Year							
			2006	2007	2008	2009				
50	50 Jr/Sr Adventure*	450	4800	4800						
	50 SX Pro Junior*	450	5100	5100						
	50 SX Pro Senior*	451	5100	5100						
65	65 SX*	460	4750	4750						
85/105	85 SX*, 105 SX	490	4725	4725						
125	125 SX*	503	5600	5600						
144	144 SX*	515	5200	5200						
200	200 EXC*	523	4000	4000						
250	250 SX*	546	3750	3750						
	SX-F*	770	5200	5200						
	XC-F*, XC-F-W*	770	4800							
	XC*, XC-W*	548	3750	3750						
300	300 EXC*	547	3550	3550						
	XC*, XC-W*	556	3550	3550						
400	400 EXC Racing*	595	4625							
	400 XC-W*	595	4625	4625						
450	450 EXC Racing*, SX*, XC Racing*, XC*, XC-W*	595	4625	4625						
	450 SMR*, SMC*	595	4625	4625						
	450 EXC	595	3400							
505	505 SX*	592	4600							
525	525 EXC	590	3380							
	EXC* Racing, SX*, XC Racing*, SMC*	590	4600	4600						
560	560 SMR*	590	4600	4600						
625	625 SMC*	584	3450							
640	LC4 Adventure	584	3450							
	LC4 Supermoto	584	3450							
950	Adventure, Adventure S, Supermoto, Super Enduro	600	4750	4750						
990	Adventure, Adventure S, Super Duke	600		4750						

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2006-2009 Model Test RPM Data
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs

SUZUKI MOTORCYCLES												SUZUKI ATVs											
Engine Size			Test RPM				Engine			Engine		Test RPM											
(in cc)	Model		2006	2007	2008	2009	Prefix		Model		Prefix	2006	2007	2008	2009								
50	JR50		2500				A102		LT50, LT-A50		A110	2500											
65	RM65*		6250				KX65B		LT-Z50 QuadSport Z50		AZ413	2550	2550										
									LT80 QuadSport 80		C-113	3500											
85	RM85*, RM85L		6000	6000			D107		LT-Z90 QuadSport Z90		D402		3500										
110	DR-Z110		3500				LX110A, LX110BE		LT-F250 Ozark, LT-Z250 QuadSport		J434, J437	3500	3500										
125	DR-Z125, DR-Z125L		4000	4000			F445		LT-A400/F Eiger		K420, K421	3250	3250										
	RM125*		5750	5750			F134		LT-F400/F Eiger		K422, K423	3500	3500										
200	DR200SE		4250	4250			H402		LTZ400 QuadSport 400		K428	3500	3500										
250	DR-Z250		4000	4000			J428		LT-R450 QuadRacer R450		L402	3750	3750										
	RM250*		4000	4000			J119		LT-A 450X KingQuad 450		L403		3250										
	RM-Z250*		5500	5500			KX250NE		LT-F500F Vinson		M411	3250	3250										
400	DRZ400/E		4000	4000			K417, K419		LT-A500F Vinson		M409	3000	3000										
	DRZ400S/E		3750	3750			K419		LT-A700Z King Quad		P413	3000	3000										
450	RM-Z450*		4500	4500			L401		LT-V700F Twin Peaks		VF700AE	3250											
650	DR650SE		3250	3250			P409																
N/A - Not yet available																							
* Not certified to meet the federal EPA noise regulations for newly manufactured off-highway motorcycles.																							

2006-2009 Model Test RPM Data													
Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles and ATVs													
YAMAHA MOTORCYCLES													
Engine Size (in cc)	Model	Engine Prefix	Test RPM Model Year										
			2006	2007	2008	2009							
50	PW50	3PT	3750	3750									
	TTR50E	A305E	4250	4250									
80	PW80	3RV	3750										
85	YZ85*	B118E	6000	6000									
90	TTR90/E	B305E	3500	3500									
125	TTR125/E/L/LWE	E349E	4000	4000									
	TTR125LW	E309E		4000									
	YZ125*	E118E,E120E	5750	5750									
200	TW200	3AW	3500	3500									
225	XT225	4BE	4000	4000									
	TTR225	G331E	3750										
230	TTR230	G341E		3750									
250	TTR250	G307E	3750										
	WR250F	G348E,G356E	5250	5250									
	YZ250*	G111E	4250	4250									
	YZ250F*	G342E,G357E	5250	5250									
450	WR450F	J321E,J326E	4500	4500									
	YZ450F*	J324E	4500	4500									

YAMAHA ATVs													
Engine Size (in cc)	Model	Engine Prefix	Test RPM Model Year										
			2006	2007	2008	2009							
50	YFM50	A303E	4000	4000									
80	YFM80	B302E, B304E	3750	3750									
125	YFM125A	E365E	3500	3500									
200	YFS200	G109E	3500										
250	YFM250	G302E,G334E	3500	3500									
350	YFM350FX	H306E	3500										
	YFZ350	3GG	3750										
	YFM350FWA	H315E	3250	3250									
	YFM350A	H316E	3250	3250									
	YFM350	H318E	3500	3500									
400	YFM400FWAN	J320E	3500	3500									
	YFM400FWN	H310E	3500	3500									
450	YFM450FWAN	J310E	3125	3125									
	YFZ450	J323E,J325E	3750	3750									
	YXR450F Rhino (utility vehicle)	J322E	3000	3000									
660	YFM660FWA	M302E,M303E	3125	3125									
	YXR660F Rhino (utility vehicle)	M305E	3000	3000									
700	YFM700R	M308E	3125	3125									

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