

United States
Department of Agriculture

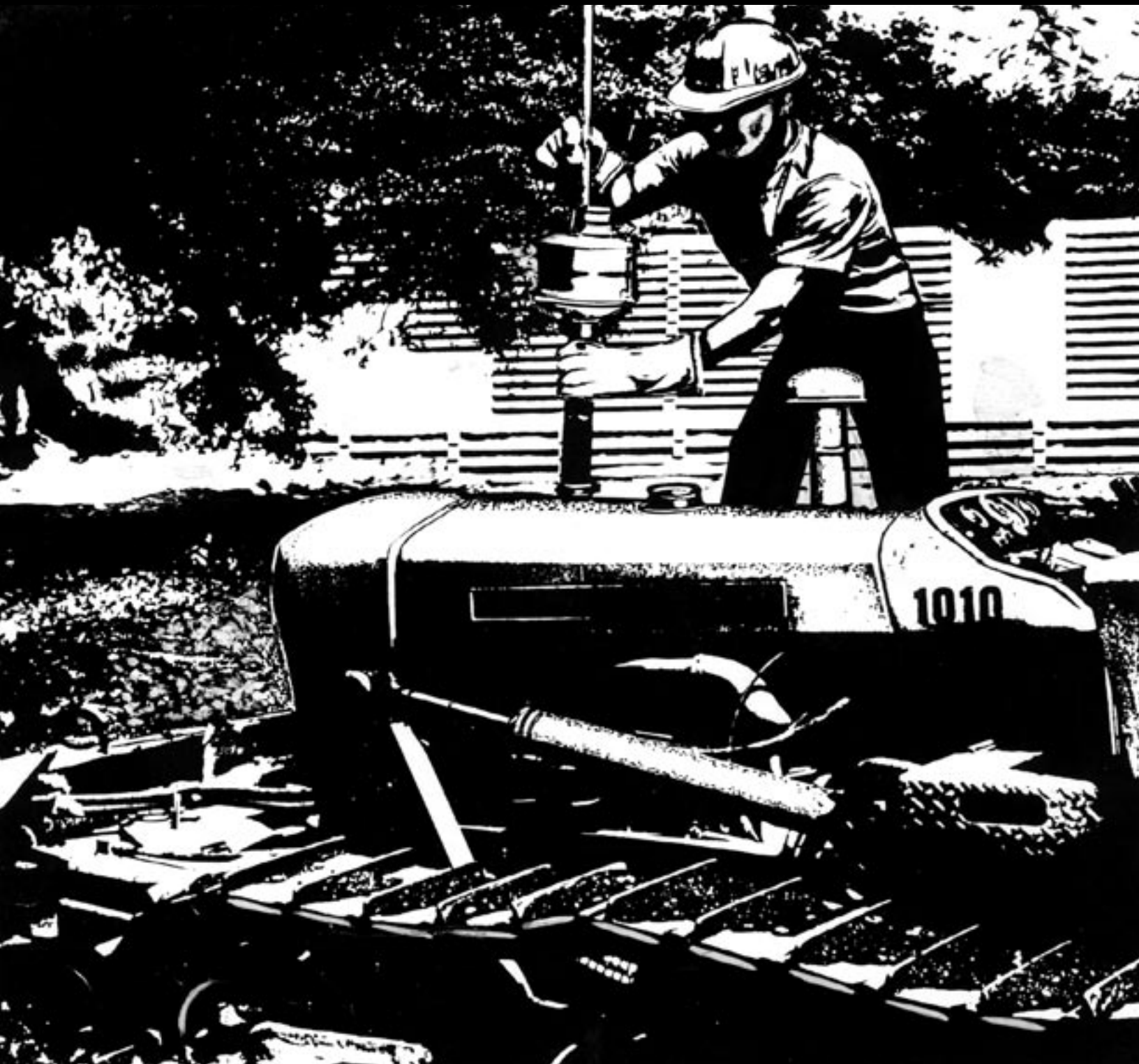
Forest Service

National Technology &
Development Program

5100—Fire Management
April 2007
0751 1801—SDTDC



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



The Spark Arrester Guide was previously printed as two publications.

In 2007, the Spark Arrester Guide is printed as three publications.

Volume 1: **General Purpose and Locomotive (GP&L) arresters**

Volume 2: **Multiposition Small Engine (MSE) arresters**

Volume 3: **Off-Highway Vehicle (OHV) arresters**

The Spark Arrester Guide can be accessed on the Web site at:

<http://www.fs.fed.us/t-d/programs/fire/> (Username: t-d, Password: t-d)

Electronic files of this publication may be requested by mail or FAX

U.S. Forest Service – San Dimas Technology & Development Center

ATTN: Robin Schnepf

444 East Bonita Avenue

San Dimas, CA 91773

FAX: 909-592-2309

When you receive your publication, please discard the August 2004 edition

****NEW: Volumes 1 and 3 now include the MIC Sound Test Data****

WE WANT YOUR FEEDBACK....

ON THE DISTRIBUTION OF THE NEXT PUBLICATION OF THE SPARK ARRESTER GUIDE, Volume 1

We are moving towards distributing less paper, and will be distributing future versions electronically on a cd. Let us know what your needs are:

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_____ *I would just like a cd with Volume 1 as a pdf file.*

_____ *I would like the cd as well as the printed version.*

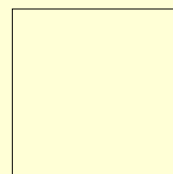
Your Name _____

Agency _____

Address _____

Telephone _____

E-mail Address _____



U.S. FOREST SERVICE

National Technology & Development Center
444 East Bonita Avenue
San Dimas, CA 91773-3198

Attn: Spark Arrester Project Leader

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



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

April 2007

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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
Ruth Paz—Mechanical Engineer
Rebecca Gregory—Project Assistant
Janie Ybarra—Visual Information Specialist

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.

The SAG was previously printed as two publications. In 2007, the SAG is printed in three volumes. This SAG covers *General Purpose and Locomotive (GP&L)* arresters, and the other two SAG's cover *Multiposition Small Engine (MSE) and Off-Highway Vehicle (OHV)* spark arresters. A portion of this volume is duplicated and distinguished as the spark arrester guide for off-highway vehicles.

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

The SAG publications and updates can also be found on the Web site:

<http://www.fs.fed.us/t-d/programs/fire/>
(Username: t-d, Password: t-d)

and the internal Forest Service Web site:

<http://fsweb/programs/fire/spark/sag-index.html>

When you receive your publication, discard the previous edition.

UPDATES TO THE SAG

For quick reference, updates should be inserted in the publication for the appropriate type arrester. These newly qualified arresters will be included with illustrations when the Guides are reprinted. (*See section that follows.*)

REPRINT INFORMATION

SDTDC will determine when adequate information has been compiled to require a reprinting of each publication. The Center will notify the Regional and State offices when a reprinting is available. It is anticipated that a reprinting of all three volumes will be required every other year.

SDTDC will include the following criteria in their reprint decision:

1. Determination of usable life of the SAG.
2. Volume and complexity of questions received from field users. Major users will be contacted periodically for feedback.
3. Number of SAG updates which have been issued.

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.

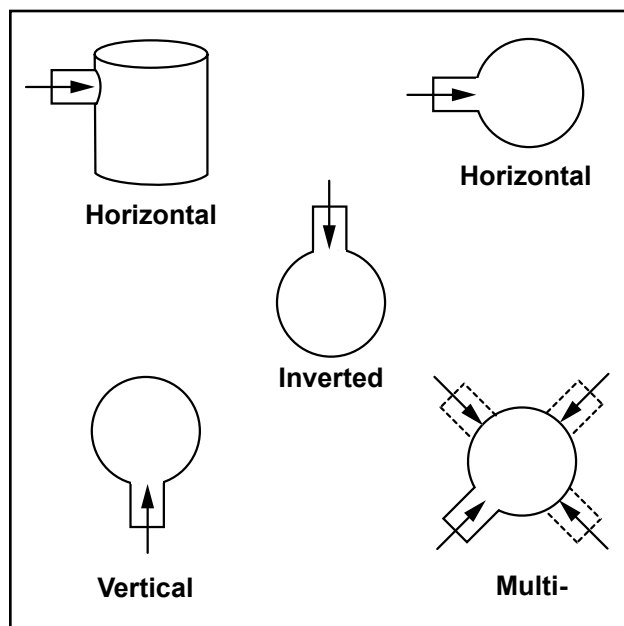
Screen-Type Spark Arresters as defined by USDA Forest Service Standard 5100-1c fall into a special category. They are intended for use on small engine applications. All exhaust products must pass through the screen, which has openings of 0.023-inch or less. The effective exhaust area of the screen (*total 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.

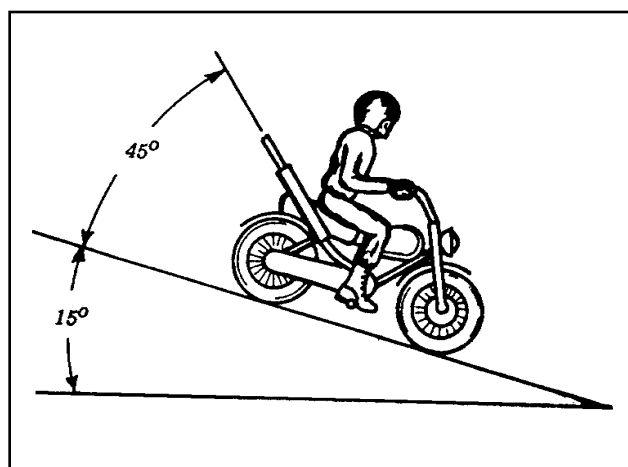
Application Positions—Four general positions are considered—vertical, horizontal, inverted, and multiposition. The application is determined by the attitude of the inlet pipe irrespective of the main body position or direction of outlet.

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 USDA 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 four-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 two-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.

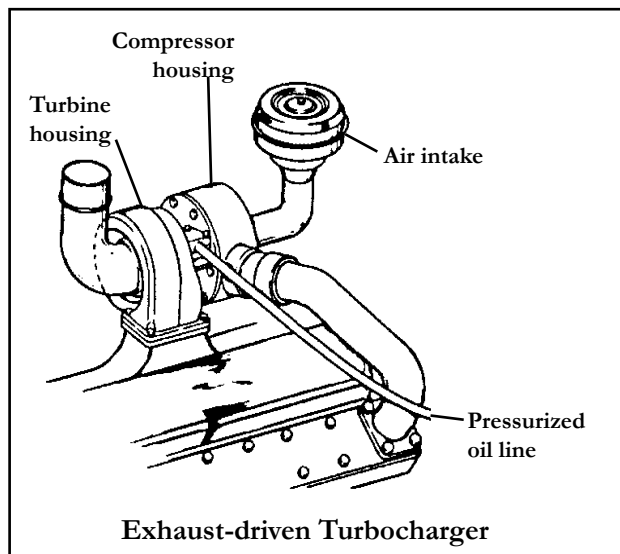
Marking and Labeling—Each arrester shall be permanently marked with the manufacturer’s model number designation and a trademark or other identification of manufacturer. Where an inverted installation is possible, the inlet or outlet shall also be marked. In addition to the above markings, screen-type 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 “on-highway” 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.



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.

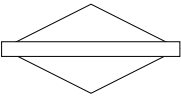
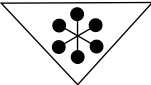
GENERAL PURPOSE SPARK ARRESTER INSPECTION PROCEDURES

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
GENERAC	 
HER CHEE	HC
MAREMONT	
McCULLOCH	
NELSON	NM
SOUNDMASTER/WALKER	
TECUMSEH (formerly TAYLOR)	

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS

ACERBIS PLASTICA, USA
9402 Wheatlands Ct., Suite A
Santee, CA 92071

ADVANCED CAR SPECIALTIES (ACS)
Advanced Car Specialties, Ltd.
114 Railside Road
Toronto, Ontario, Canada
416-445-9610

AIR-MAZE
Air-Maze Division, Rockwell Standard Corp.
25000 Miles Road
Cleveland, OH 44120

AKRAPOVIC
Akrapovic d.o.o.
Malo Hudo 8a
1295 Ivancna Gorica
EUROPE/SLOVANIA
011-386-1-78-78-404

AL BAKERS XR'S ONLY
6944 Santa Fe Ave.
Hesperia, CA 92345
760-244-2626

ALBA ACTION SPORTS
Marks Performance Products
18011 Westlawn St.
Hesperia, CA 92345
760-948-1346

AMERICAN HONDA MOTOR
1919 Torrance blvd.
Torrane, CA 90501-2746
800-400-2823
310-783-2000
310-393-4840

AMERICAN JD GROUP
American JD Group Co., Ltd.
240 Cortland Ave.
Lombard, IL 60148
630-953-0806

AP PARTS
AP Parts Company
1801 Spielbusch Ave.
Toledo, OH 43694

ARCTIC CAT
601 Brooks Avenue South
Thief River Falls, MN 56701
218-671-9799

ARROW SPECIAL PARTS
Via Citernese 128/130
06016 San Giustino, Italy

BBR
BBR MOTORSPORTS, INC.
1028 4th Street SW, A
Auburn, WA 98001
888-668-6227

BERKELEY
Sta-Rite Industries
293 Wright Street
Delavan, WI 53115
800-472-0884

BIG GUN
BIG GUN EXHAUST SYSTEMS, INC.
10611 Pullman Ct.
Rancho cucamonga, CA 91730
800-870-4461

BOMBARDIER-KRIZMAN
Bombardier Limited
Valcourt, Quebec
Canada J0E 2L0
514-861-9481

BRIGGS & STRATTON
Briggs & Stratton Corp.
P. O. Box 702
Wauwatosa, WI 53222
414-256-1160

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS

BUB

BUB Enterprises, Inc.
180 Spring Hill Dr.
Grass Valley, CA 95945
530-477-7490

BURGESS-MANNING

Burgess-Manning, Inc., Silencing Division
227 Thorn Ave.,
Orchard Park, NY 14127
716-662-6540

CAL TUBE

California Tube Products, Inc.
7040 Lankersheim Blvd.,
N. Hollywood, CA 91605

CARMICHAEL HONDA

Rancourt, Inc.
7829 Fair Oaks blvd.
Carmichael, CA 95608
916-944-1318

CATERPILLAR

1000 NE Adams Street
Peoria, IL 61629
309-675-1000

CHAMPION POWER EQUIPMENT

10006 Santa Fe Springs Rd.
Santa Fe Springs, CA 90670
562-236-9422

CHONGQING LONCIN

ChongQing Loncin General Purpose Engine Co.
c/o Black & Decker
701 E. Joppa Rd.
Baltimore, MD 21286
410-716-2808

CEDCO

Hale Fire Pump Co.
700 Spring Mill Ave.
Conshohocken, PA 19428
610-825-6300

CLARK

Clark Equipment Co. of Canada Ltd.
Talbot St., St. Thomas, Ontario,
Canada N5P 1H2

COLEMAN POWERMATE

4970 Airport Road
P.O. Box 6001
Kearney, NE 68848
308-237-2181

CONE

DbA Silencing, Ltd.
33 East 7th Ave.
Vancouver 10, BC, Canada

COOP

Coop Engineering Inc.
12930 Lakeland Rd.,
Santa Fe Springs, CA 90670
562-944-0171

CRD ABSOLUTE

B.P. 1001
11 850 Carcoassonne
Cedex 9 France
33 (0)4 68 11 47 47

CYCLE GEAR, INC.

303 43rd Street
Richmond, CA 94805
800-292-5343

DAISHIN INDUSTRIES, LTD.

1520-1, Funatsuke,
Yoroshio, Yoro-Gun
GIF, Japan
81-584-36-0501

DAVIS ENGINEERING CO.

(c/o Lanco Engine, Inc.)
12915 Weber Way, P.O. Box 136,
Hawthorne, CA 90252

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS

DG PERFORMANCE SPECIALTIES, INC.

1371 N. Miller St.
Anaheim, CA 92806
714-630-9088

DMC

Advantage Performance Distributing, Inc.
930 Columbia Ave.
Riverside, CA 92507
951-300-2250

DONALDSON

Donaldson Co., Inc.
P.O. Box 1299, 1400 West 94th Street
Minneapolis, MN 55440-1299
952-887-3734

DUBACH RACING DEVELOPMENT

c/o MTA
2000 Fifth St.
Norco, CA 92860
877-382-2241

EAGLE CARRIAGE & MACHINE, INC.

2104 26th St.
La Grande, OR 97850
541-963-4646

EASTERN TOOLS & EQUIPMENT, INC.

1040 Rockefeller Ave.
Ontario, CA 91761
909-390-8989

ECHO

Echo Incorporated
400 Oakwood Road
Lake Zurich, IL 60047-1564
847-540-8400

EE

Enduro Engineering
6081 S. Martin Luther King Blve.
Lansing, MI 48911
517-393-2421

EES

Engineering Exhaust Systems, Inc., /B.T.
2750 S. 163rd St.
New Berlin, WI 53151
262-780-1900

E-TON America

E-TON American LLC
109 Southwest Drive
Spartanburg, SC 29303
800-582-1858

FARR

FARR ASPIRATOR

Farr Co.
P.O. Box 92187
Airport Station
Los Angeles, CA 90009

FMF

FMF Racing, Inc.
18033 S Santa Fe Ave.
Rancho Dominguez, CA 90221
310-631-4363

FMF/Tru-Tec

27930 Tyler #402
Canyon Country, CA 91351
310-631-4363

FOUR STROKE WORKS

15454 El Centro Road
Hesperia, CA 92345
760-948-0325

FUJI

Fuji Heavy Industries/Robin America, Inc.
940 Lively Boulevard
Wood Dale, IL 60191
630-350-8200

GENERAC

Generac Power Systems, Inc.
757 North Newcomb Road
Whitewater, WI 53190
262-473-5514

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS

GENERAC PORTABLE PRODUCTS

Generac Portable Products
1007 S 12th Street
Watertown, WI 53094
920-261-8462

GILL

Erickson Products Co.,
Koch Road
Corte Madera, CA 94925

GILSON

Gilson Brothers Co.
P.O. Box 152
Plymouth, WI 53073

GORMAN-RUPP

Gorman-Rupp Co.
P.O. Box 1217
Mansfield, OH 44901
419-755-1011

HALE

Hale Fire Pump Co.
700 Spring Mill Ave.,
Conshohocken, PA 19248
610-825-6300

HAPCO (HARCO)

Harco Manufacturing Co.
7700 S.W. 69th Avenue
Portland, OR 97233
503-244-7571

HARLEY-DAVIDSON-KRIZMAN

Harley-Davidson Co., Inc.
3700 W. Juneau Avenue
Milwaukee, WI 53201
414-343-4056

HER CHEE INDUSTRIAL CO.

No. 2 Yi-Kung 2 Rd. Yi-Chu Ind. Area,
Yi-Chu Hsiang, Chia- Yi Hsien
Taiwan, R.O.C.

HMF

HMF Engineering, Inc.
8219 Clinton Rd.
Brooklyn, OH 44144

HODAKA

HODAKA-KRIZMAN

Pacific Basin Trading Co.
Athena, OR 97813

HONDA

HONDA-KRIZMAN

HONDA-NELSON

American Honda Motor Co., Inc.
1919 Torrance Blvd.,
Torrance, CA 90501-2746
800-400-2823
310-783-2000
310-393-4840

HOOKER

Hooker Industries, Inc.
1024 West Brooks St.
Ontario, CA 91762

HORSTMAN-KRIZMAN

Horstman Manufacturing Co., Inc.
730 E. Huntington Drive,
Monrovia, CA 91016

HUSQVARNA

HUSQVARNA-KRIZMAN

Cagiva North America
700 W. 190th St.
Gardena, CA 90248

HUTCHINS FREFIO

MCM Manufacturing Co.
601 S. East Street
Anaheim, CA 92805

IHC

J.I. Case
7 S. 600 County Line Rd.,
Hindsdale, IL 60521

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS

IMS

International Merchandising Service
1928 W. Malvern Ave.
Fullerton, CA 92833

J&R KRIZMAN

Magnum Engineering
21215 Road 252
Lindsay, CA 93247

J.G. MINTER & SONS, INC.

1950 Compton Ave., Suite 115
Corona, CA 92881
951-734-3603

JOHN DEERE

John Deere Industrial Equipment Co.
61 Inverness Drive
E. Englewood, CO 80112

JOKER MACHINE

4668 Mission blvd.
Montclair, CA 91763
909-613-0028

KAWASAKI

KAWASAKI-KRIZMAN

Kawasaki Motor Corps., USA
9950 Jeronimo Road
Irvine, CA 92618-2084
949-770-0400

K.C.F.D.

Kern County Fire Dept.
1025 Golden State Hwy.,
Bakersfield, CA 93301
661-391-7000

KEEN PERCEPTION INDUSTRIES, INC.

8986 N.W. 105th Way
Medley, FL 33178

KERKER-KRIZMAN

3910 Seaport Blvd.
West Sacramento, CA 95691

KITTELL

Kittell, E.M. Products, Inc.
11975 Portland Avenue
S. Burnsville, MN 55337

KOHLER

Kohler Co.—Generator Division
N7650 County Road
Sheboygan, WI 53083
920-565-4261

KRIZMAN

KRIZMAN-MAICO

KSI-WIS-KRISMAN

KESCO Krizman Engineering & Sales Co.
23134 Round Valley Rd.,
Lindsay, CA 93247

KTM SPORT MOTORCYCLE USA, INC.

930 Fesler Street
El Cajon, CA 92020-1808

KUBOTA TRACTOR CORP.

3401 Del Amo Blvd.,
Torrance, CA 90509-2992

KYMCO

Kwang Yang Motor Co., Inc.
c/o Murphy & Harrison
1275 N. Indian Hill Blvd.
Claremont, CA 91711
909-626-7442

LIGNE RACING/CRD ABSOLUTE

Ligne Racing, Inc.
279 West Meadow
Lowell, IN 46356
888-963-1212

LTE RACING

Looney Tuned Exhaust
850 Laughlin Way
Redwood Valley, CA 95470
707-485-7438

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS**LRD**

LRD Performance Specialty
9525 SW Commerce Cr.
Wilsonville, OR 97070
503-885-9200

M4

M4 Products, LLC.
2520 Merrel Rd.
Dallas, TX 75229

MAGNUM-KRIZMAN/ Magnum Racing

Magnum Engineering
21215 Road 252
Lindsay, CA 93247
559-568-1075

MAREMONT

Maremont Corp.
250 E. Kehoe
Carol Stream, IL 60188

MAXIM

Riley-Beard, Inc.
Maxim Silencer Division
P.O. Box 31115
Shreveport, LA 71130

McCULLOCH

McCulloch Corporate Office
800-521-8559

MURPHY MUFFLER

Murphy Muffler Co., Inc.
9508 Rush
S. El Monte, CA 91733
323-723-3636

MUZZY'S PERFORMANCE PRODUCTS

62910 Peerless CT
Bend, OR 97701
541-385-0706

NELSON

Nelson Division
1801 Highway 51/138
P.O. Box 428,
Stroughton, WI 53589
608-873-4200

NELSON-BURGESS

Nelson-Burgess Ltd.,
Hinckley Leicestershire,
LE 10 2LN, England

O&R

O&R Engines, Inc.
3340 Emery Street,
Los Angeles, CA 90023

ONAN

Onan Division
1400 73rd North East
Minneapolis, MN 55432
763-574-5000

PERFORMANCE INDUSTRIES GROUP

Via Vittorio Emanuele,
25 S. omobono
Bergamo, Italia 24038

PERFORMANCE SPECIALTIES

POB 3146
Gardnerville, NC 89410
775-265-7523

PHILLIPS & TEMRO INDUSTRIES

5380 Cottonwood Lane
Prior Lake, MN 55372
952-440-9200

PKM

Ralph Electric Plants, Inc.
836 Broadway
Chula Vista, CA 90210

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS**POLARIS**

Polaris Industries
301 5th Ave. SW
Roseau, MN 56751
218-463-2312

POWELL

Powell Brothers
3180 Carlin Ave.
Lynwood, CA 90262

PRO ALUMINUM

Pro Aluminum, Inc.
1230 La Loma Circle
Anaheim, CA 92806
800-718-2586

PRO-CIRCUIT

2771 Wardlow Road
Corona, CA 92882
951-738-8050

PRO MOTO BILLET

1103 North Shamrock St.
Boise, ID 83713
208-377-8747

PRO-TEC

41376 Pear Street
Murieta, CA 92562
951-698-8988

RIKER

Riker Manufacturing
4901 Stickney Ave.
Toledo, OH 43612
419-729-1626

ROCKET EXHAUST

Rocket Exhaust LLC.
c/o Murphy & Harrison, Inc.
1275 N. Indian Hill Blvd.
Claremont, CA 91711
909-626-7442

RUEY SHENG INDUSTRIAL CO., INC.

#31 Kai Lung Street, Pate
Taoyuan Hsien, Taiwan

RUPP

Rupp Industries, Inc.
P.O. Box 1217
Mansfield, OH 44903
419-755-1011

SANYANG

Sanyang Industry Co. Ltd.
c/o Murphy & Harrison, Inc.
1275 N. Indian Hill Blvd.
Claremont, CA 91711
909-626-7442

SCORPION EXHAUST

Scorpion Exhaust Ltd.
Unit 3, High Holborn Road
Ripley Derbyshire DE5 3NW
England

SEASTROM

Seastrom Manufacturing Co., Inc.
456 Seastrom Street
Twin Falls, Idaho 83301
208-737-4300

SGI

SITO Gruppo Industriale s.p.a.
SITO USA LLC

LeoVince USA
1360 South 49th Street
Richmond, CA 94804
510-232-4141

SKYWAY

Skyway Recreational Products
4451 Caterpillar Rd.,
Redding, CA 96001
530-243-5151

SKYWAY-COBRA

Cobra Engineering
23801 E. La Palma Avenue
Yorba Linda, CA 92887
714-692-8180

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS**SOUNDMASTER**

DeKoven Manufacturing Co.
1201 Michigan Blvd.
Racine, WI 53402

SPARESTER

Hoei Industries, Inc.
9-10, 2-Chrome, Nishikamata Ota-Ku,
Tokyo 144,JAPAN

SPARKY

Cobra Engineering
23801 E. La Palma Avenue
Yorba Linda, CA 92887 714-692-8180

STEMCO

Stemco Manufacturing Co.
300 Industrial Way
Longview, TX 75601
903-758-9981

STRADER

Little Giant Engineering Inc.
6919 Deering Ave.,
Canoga Park, CA 91303

STROKER

Stroker Inc.
1114 G Avenue, #2
Hesperia, CA 92345

**SUMMIT INDUSTRIES- JARDINE
PERFORMANCE**

c/o Murphy & Harrison, Inc.
1275 N. Indian Hill Blvd.
Claremont, CA 91711
909-626-7442

SUPERTRAPP

Supertrapp Industries,
Dreison International
4540 W. 160th Street
Cleveland, OH 44135
216-265-8400

SUZUKI**SUZUKI-KRIZMAN****SUZUKI-SPARESTER**

American Suzuki Motor Corp.
3251 E. Imperial Hwy.,
Brea, CA 92821
714-996-7040

TAGA CORP. AND JAPAN DESIGN

2287 Business Way
Riverside, CA 92501

TAYLOR**TECUMSEH**

Tecumseh Products Co.
P.O. Box 700, 1604 Michigan Ave.
New Holstein, WI 53061-0700
920-898-5711

TECK

Teck Industries Div.,
Central Ohio Products Co.
2733 Johnson Rd.
Columbus, OH 43219

TILLERY

Resources Conservation Equipment Co.
3776 Catalina Str.
Los Alamitos, CA 90720

TOOMEY RACING

Toomey Racing USA, Inc.
3019 Propeller Dr.
Paso Robles, CA 93446
805-239-8870

TORO

The Toro Company
8111 Lyndale Ave.
S. Minneapolis, MN 55420
952-888-8801

TORQUE

Torque Products,
Ocelot Engineering, Inc.
555 S. "H" Street
San Bernardino, CA 92410
909-884-0484

SPARK ARRESTER BRAND NAME•MANUFACTURER•ADDRESS**TWO BROTHERS RACING**

Two Brothers Racing
401 South Grand Avenue
Santa Ana, CA 92705
714-550-6070

UNITED MOTORS OF AMERICA

United Motors of America
8801 NW 23 Street
Doral, FL 33172
305-594-2258

USDA

USDA Forest Service
San Dimas Technology & Development Ctr.
444 E Bonita Ave
San Dimas, CA 91773
909-599-1267

WACKER

Wacker Corp
3808 West Elm
Milwaukee, WI 53209

WAJAX-PACIFIC

Wajax-Pacific
19308 68th Avenue S
Kent, WA 98032
800-426-5207

WALKER

Walker Manufacturing Co.
1201 Michigan Blvd.
Racine, WI 83402

WASHINGTON IRON WORKS

Washington Iron Works
555 Technical Drive
Oak Harbor, WA 98277
360-679-4868

WHITE BROTHERS

24845 Corbit Place
Yorba Linda, CA 92887
714-692-3404

WILDFIRE

Wildfire Equipment
1100 Norman St., Suite 200
Lachine, QC, Canada H8S1A6
514-637-5572

WILD FIRE PACIFIC, INC.

6250 South 196th
Kent, WA 98032-1167

WINTEC

Fun 'n Fast, Inc.
18143 Napa Street
Northridge, CA 91324

XDUCER

Supertrapp Industries
Dreison International
4540 W. 160th Street
Cleveland, OH 44135
216-265-8400

YAMAHA, YAMAHA-KRIZMAN, YAMAHA-SKYWAY

Yamaha Motor Co., USA
P.O. Box 6555
6555 Katella Avenue
Cypress, CA 90630-5101
714-761-7300

YELLOW JACKET

Yellow Jacket Mfg., Inc.
706 Cass St.
P.O. Box 357
Griswold, IA 51535
712-778-4492

YOSHIMURA

Yoshimura Research and Development
5420 Daniels St., Suite A
Chino, CA 91710
909-364-1896

YUBA

Ford Motor Co., Tractor Operations
2500 E. Maple Road
Birmingham, MI 48008

2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER

	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1	Acerbis 035MFS2	Horizontal	74	99	Retaining screws loosen easily
2	Acerbis 035MFS5	Horizontal	60	99	~
3	Acerbis 035MFS6	Horizontal	64	99	~
4	ACSD 150818303	Horizontal	35		~
5	ACSD 150818305	Horizontal	59		~
6	Advanced Car Specialties 29513	Multiple	154		Marked as “ACS Screen Type RSA20100”
7	Advanced Car Specialties 29514	Multiple	154		Marked as “ACS Screen Type RSA20125” For 34 HP or smaller 4 stroke engine
8					
9	Advanced Car Specialties 29520	Multiple	154		Marked as “ACS Screen Type RSA20137” For 34 HP or smaller 4 stroke engine
10					
11	Advanced Car Specialties 29550	Multiple	154		Marked as “ACS Screen Type RSA20150” For 34 HP or smaller 4 stroke engine
12					
13	Advanced Car Specialties RSA20100	Multiple	154		Marked as “ACS Screen Type RSA20100”
14	Advanced Car Specialties RSA20100A	Multiple	154	100	Marked as “ACS RSA20100A Screen Type”
15	Advanced Car Specialties RSA20112	Multiple	74	100	Marked as “ACS RSA20112 Screen Type”
16	Advanced Car Specialties RSA20125	Multiple	74	100	See RSA20112
17	Advanced Car Specialties RSA20125	Multiple	154		Marked as “ACS Screen Type RSA20125” For 34 HP or smaller 4 stroke engine
18					
19	Advanced Car Specialties RSA20125A	Multiple	74	101	See RSA20112
20	Advanced Car Specialties RSA20137	Horizontal	75		~
21	Advanced Car Specialties RSA20137	Multiple	154		Marked as “ACS Screen Type RSA20137” For 34 HP or smaller 4 stroke engine
22					
23	Advanced Car Specialties RSA20138	Multiple	109	101	Marked as “ACS RSA20138 Screen Type”
24	Advanced Car Specialties RSA20150	Multiple	115		Screen type; for 26 hp Kohler 4-stroke engine; N.M. Q617409
25					SCREEN TYPE
26	Advanced Car Specialties RSA20150	Multiple	154		Marked as “ACS Screen Type RSA20150” For 34 HP or smaller 4 stroke engine
27					
28	Advanced Car Specialties RSA20150A	Multiple	109	101	See RSA20138
29	Advanced Car Specialties RSA20150A-1	Multiple	112	102	Screen Type
30	Advanced Car Specialties RSA20175	Multiple	217	102	Marked as “ACS RSA20175 Screen Type”
31	Advanced Car Specialties RSA20175-3	Multiple	238	103	Marked as “RSA20175-3; SCREEN TYPE; ACS LIMITED ”
32	Advanced Car Specialties RSA20200	Multiple	261	103	Marked as “ACS RSA20200 Screen Type” 55 HP Yanmar 2400
33	Air-Maze 10FA	Vertical	1270	104	Horizontal test # 387C Flows above 1270 -not acceptable
34	Air-Maze 146FA	Horizontal	1335	104	Flow at 0 psi back pressure. Unit not rated at 1 psi.

*~: no diagram; image temporarily unavailable

2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
35	Air-Maze 4FA	Vertical	625	104	Horizontal test #387C/Not recommended for flow above 300 ~
36	Air-Maze C1903510	Vertical	640	104	
37	Air-Maze C1903510	Horizontal	679	104	
38	Air-Maze C190353	Horizontal	120	104	
39	Air-Maze C190353	Vertical	140	104	
40	Air-Maze C190354	Vertical	118	104	~
41	Air-Maze C190354	Horizontal	126	104	
42	Air-Maze C190355	Horizontal	217	104	
43	Air-Maze C190355	Vertical	220	104	
44	Air-Maze C190356	Vertical	238	104	
45	Air-Maze C190356	Horizontal	302	104	~
46	Air-Maze C190357	Vertical	333	104	
47	Air-Maze C190358	Horizontal	332	104	
48	Air-Maze C190358	Vertical	333	104	
49	Air-Maze C190359	Vertical	640	104	
50	Akrapovic SA-001	Multiple	222	105	Screen Type
51	Akrapovic SA-002	Multiple	222	105	Screen Type
52	Akrapovic SA-003	Multiple	222	106	Screen Type
53	Akrapovic SA-004	Multiple	222	106	Screen Type
54	Akrapovic SA-005	Multiple	222	106	Screen Type
55	Akrapovic SA-006	Multiple	222	106	Screen Type
56	Akrapovic SA-009	Multiple	222		Screen Type
57	Akrapovic SA-010	Multiple	222	107	Use also in various engines; qualifies for 50 hp or more
58	Akrapovic SA-011	Multiple	222	107	Screen Type- see SA-003
59	Akrapovic SA-012	Multiple	222	108	Screen Type- see SA-003
60	Al Baker's XR's Only Competition Exhaust 29738	Multiple	215		Screen type and disc type; 12 disc minimum
61	Al Baker's XR's Only Competition Exhaust	Multiple	215		Screen type and disc type; 12 disc minimum
62	Alba Action Sports SA01	Multiple	199		Screen type
63	American JD Group Co. JDSA6.5	Multiple	30	108	Screen Type
64	AN Krizman KS6500	Horizontal	99	109	~
65	Answer (J&R) AP-500D	Horizontal	91	178	See Husqvarna-Krizman KS-500D
66	Answer (J&R) AP-650	Horizontal	186		See J&R Krizman KS-650
67	Answer (J&R) AP-6500 Angle	Horizontal	71		Angled Body
68	Answer (J&R) AP-6504	Horizontal	60	110	Modified KS-650-A

*~: no diagram; image temporarily unavailable

2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
69	Answer (J&R) AP-650A	Horizontal	63	180	See J&R Krizman KS-650A
70	Answer (J&R) AP-650C	Horizontal	63	109	Approved as J&R Krizman
71	Answer (J&R) AP-650C	Horizontal	97	109	With insert; Required on all AP-650 C
72	Answer (J&R) AP-650C Angle	Horizontal	63		Angled body w/insert; band clamp may be replaced with screws
73	Answer (J&R) AP-650C Angle	Horizontal	83		Angled Body with insert
74	Answer (J&R) AP-650D	Horizontal	67	179	Straight muffler; modified AP-650-O
75	Answer (J&R) AP-650M	Horizontal	156	109	Straight muffler; modified AP-650-O
76	Answer (J&R) AP-650M	Horizontal	156		Modified AP650 O & M
77	Answer (J&R) AP-650M Angle	Horizontal	131	110	Angled muffler; modified AP-650-O
78	Answer (J&R) AP-650O	Horizontal	63	179	See Answer AP-650-C; KS-650C in an oval muffler.
79	Answer (J&R) AP-650O	Horizontal	74	179	See J&R Krizman KS-650-0
80	Answer (J&R) SA-Pro2	Horizontal	74	179	Same as J&R 650-0 Krizman may have an outlet stinger angled down
81					
82	AP Parts 83931893	Horizontal	273	127	See Donaldson FCM06-0037
83	AP Parts 83931893	Vertical	296	127	See Donaldson FCM06-0037
84	AP Parts 83931908	Horizontal	427	127	See Donaldson FCM06-5030
85	AP Parts 83931908	Vertical	436	127	See Donaldson FCM06-5030
86	AP Parts 83931910	Horizontal	597		See Donaldson FCM07-0068
87	AP Parts 83931910	Vertical	644		See Donaldson FCM07-0068
88	AP Parts 83931921	Horizontal	842	128	See Donaldson FCM07-0069
89	AP Parts 83931921	Vertical	881	128	See Donaldson FCM07-0069
90	AP Parts 83931933	Horizontal	1177	128	See Donaldson FCM08-0024
91	AP Parts 83931933	Vertical	1200	128	See Donaldson FCM08-0024
92	AP Parts 83933880	Horizontal	1630	128	See Donaldson FCM09-0091
93	AP Parts 83933880	Vertical	1670	128	See Donaldson FCM09-0091
94	AP Parts 83933892	Horizontal	2480	128	See Donaldson FCM10-0016
95	AP Parts 83933892	Vertical	2660	128	See Donaldson FCM10-0016
96	Arctic Cat 0512-219	Multiple	198	110	Used on mufflers 0512-222; 0512-255; 0512-235; 0512-191; and 0512-268
97					
98	Arctic Cat 0512-222				
99	Arctic Cat 0512-305	Multiple	204	111	Used on mufflers 0512-222; 0512-255; 0512-235; 0512-191; and 0512-268
100					
101	Arctic Cat 0512-306	Multiple	204	111	Used on mufflers 0512-222; 0512-255; 0512-235; 0512-191; and 0512-268
102					

*~: no diagram; image temporarily unavailable

2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
103	ArcticCat HC18321145	Multiple	28		Screen Type
104	Arrow Special Parts 5205007	Multiple	168		Screen Type
105	Arrow Special Parts 29833	Multiple	168		Screen Type
106	BBR Motorsports 340-SA	Multiple	226	111	Screen type used on Honda XR 600 or Suzuki DRZ400 or smaller motorcycles.
107					
108	BBR Motorsports 49028	Multiple	226		Screen type used on Honda XR 600 or Suzuki DRZ400 or smaller motorcycles.
109					
110	Berkeley F70-01MC	Horizontal	65	117	Primer-arrester/Main body of arrester vertical but not inverted.
111	Berkeley F70-02MC	Horizontal	144	117	Primer-arrester/Main body of arrester vertical but not inverted.
112	Big Gun 1261079	Multiple	191		Dome-shaped screen
113	Big Gun 1261082	Multiple	191		Cone-shaped screen
114	Big Gun 1261215	Multiple	191		For 4 stroke 650 cc (41 HP) or smaller engine. See White Brothers #2001
115					
116	Big Gun BG2001	Multiple	191	112	Dome-shaped screen
117	Big Gun WB2001	Multiple	191	112	For 4 stroke 650 cc (41 HP) or smaller engine. See White Brothers #2001
118					
119	Big Gun BG2002	Multiple	191		Cone-shaped screen
120	Bombardier 1980	Horizontal	62	113	22 mm resonator
121	Bombardier 1980	Horizontal	66	113	28 mm resonator
122	Bombardier 707-600-066	Multiple	186	113	
123	Bombardier CA-952	Horizontal	66	113	26 mm resonator
124	Bombardier CA-952	Horizontal	100	113	30 mm resonator
125	Bombardier CA-9521	Horizontal	72	113	~
126	Bombardier-Krizman CA-950	Horizontal	186	113	~
127	Bombardier-Krizman CA-953	Horizontal	114	113	30 mm resonator
128	Bombardier-Krizman KS-250	Horizontal	17	113	~
129	Briggs & Stratton 391911	Multiple	25	114	Screen; 4-cycle; 4 hp or smaller
130	Briggs & Stratton 391912	Multiple	25	114	Screen; 4-cycle; 4 hp or smaller
131	Briggs & Stratton 391913	Multiple	50	114	Screen; 4-cycle; 8 hp or smaller
132	Briggs & Stratton 391915	Horizontal	69	269	See Nelson T-14106
133	Briggs & Stratton 392154	Multiple	81	114	Screen; 4-cycle; 16 hp or smaller
134	Briggs & Stratton 396800	Multiple	25	114	Screen; 4-cycle; 4 hp or smaller/Outlet deflector is not permanently attached. (See 391911 or 391912)
135					
136	Briggs & Stratton 494486	Multiple	29	115	Screen; 4-cycle; 5.5 hp or less

*~: no diagram; image temporarily unavailable

2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
137	Briggs & Stratton	698236	Multiple	31		Logo imprinted on arrester
138	Briggs & Stratton	802502	Multiple	41	115	Screen; 4-cycle; 4 hp or smaller
139	Briggs & Stratton	392154A	Multiple	99		Screen; 4-cycle; 16 hp or smaller; replacement for B&S 391254
140	Briggs & Stratton	816268	Multiple	31	115	~
141	BUB Enterprises	# 2005	Multiple	231	116	Screen Type
142	BUB Enterprises	0I812	Multiple	179		~
143	BUB Enterprises	G2187	Multiple	179	116	~
144	Burgess-Manning	SAT4	Horizontal	790	116	~
145	Burgess-Manning	SAT4	Vertical	795	116	~
146	Burgess-Manning	SDMC4	Horizontal	965	116	~
147	Burgess-Manning	SDMC4	Vertical	1069	116	~
148	Burgess-Manning	SDMCLP4	Horizontal	1070		~
149	Burgess-Manning	SDMCLP4	Vertical	1332		~
150	CalTube	12853	Multiple	74	117	Screen; 4-cycle 14.1hp or smaller
151	Carmichael Honda	1261223	Multiple	151		Screen type
152	Carmichael Honda	CHM0302	Multiple	151		Screen type
153	Caterpillar	3B5498	Vertical	380	117	Replaced 2F62229
154	Caterpillar	3B7942	Horizontal	597		See Donaldson FCM07-0068
155	Caterpillar	3B7942	Vertical	640		See Donaldson FCM07-0068
156	Caterpillar	3B7964	Vertical	680	117	~
157	Caterpillar	8N70741	Horizontal	498		See Donaldson FMM 12-0303
158	CEDCO	Primer Arrester No. 1	Horizontal	65	117	Primer-arrester. Main body of arrester vertical but not inverted.
159	CEDCO	Primer Arrester No. 2	Horizontal	144	117	Primer-arrester. Main body of arrester vertical but not inverted.
160	Champion Power Equip.	Model 88	Multiple	51	118	
161	ChongQing Loncin	113100-101	Multiple	32	118	Screen Type
162	ChongQing Loncin	113100-113	Multiple	44	119	Screen Type
163	ChongQing Loncin	113100-126	Multiple	64	119	Screen Type
164	ChongQing Loncin	213100-248	Multiple	64	120	Screen Type
165	Clark	6547049	Horizontal	180	265	~
166	Clark	6551409	Vertical	205	272	~
167	Clark	6552340	Vertical	209	274	~
168	Clark	CA C2000	Horizontal	1584	120	~
169	Coleman Powermate	49822	Horizontal	23	121	See EES 89011-9
170	Coleman Powermate	62002	Horizontal	23	121	See EES 89011-9

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
171	Coleman Powermate 04402	Multiple	62	121	Screen Type
172	Coleman Powermate 38984	Multiple	59	122	Screen Type
173	Coleman Powermate 62065	Multiple	51	122	Screen Type
174	Cone 390	Vertical	275		~
175	Cone 1100	Vertical	310	123	Pulverizer type spark arrester
176	Cone 1500	Vertical	350		~
177	Cone 10D	Vertical	295	123	~
178	Cone 12D	Vertical	432	123	~
179	Cone 8D	Vertical	182	123	~
180	Coop 400A	Horizontal	53	123	~
181	Coop 500A	Horizontal	78	123	~
182	Coop 500A for LT 125	Horizontal	90	123	~
183	Coop 500B	Horizontal	103	123	~
184	CRD Absolute LR7803	Multiple	176		Screen type
185	Cycle Gear No. 1	Multiple	225	124	Screen; 4-cycle; 35 HP
186	Daishin Industries SA17102	Multiple	21	124	Screen Type
187	Davis DL260	Horizontal	140	124	~
188	DG Performance Specialties DG-01	Horizontal	417		Disc type for 660 cc or smaller engine.
189	DG Performance Specialties DG-03	Multiple	150	125	Screen Type
190	DG Performance Specialties DG-04	Multiple	150	125	Screen Type
191	DG Performance Specialties, Inc., DG-05	Multiple	150	125	See also DG-03
192	DG Performance Specialties, Inc., DG-RCM-2	Multiple	150	125	See also DG-03
193	Discojet See SUPERTRAPP	~	~		See SUPERTRAPP
194	DMC (Advantage Performance Distributing)				
195	1261223	Multiple	351		Screen type; for 700 cc or smaller motorcycle.
196	DMC (Advantage Performance Distributing)				
197	DMC 2K	Multiple	187	126	12- 18 disc
198	DMC (Advantage Performance Distributing)				
199	DMC A1	Multiple	351		Screen type; for 700 cc or smaller motorcycle.
200	DMC (Advantage Performance Distributing)				
201	DMC A2	Multiple	251	126	Screen type; for 500 cc or smaller motorcycle.
202	DMC (Advantage Performance Distributing)				
203	DMC B1	Multiple	251	126	Screen Type
204	Domestic 1751087232	Inverted	32	127	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
205	Donaldson 238H	Horizontal	192		See also M050244
206	Donaldson 27021	Horizontal	192		See also M050238
207	Donaldson 28416	Horizontal	282		~
208	Donaldson 28440	Horizontal	192		See also M050238
209	Donaldson 28610	Horizontal	572		Qualified
210	Donaldson 28619	Horizontal	190		~
211	Donaldson 28878	Horizontal	228		~
212	Donaldson 29059	Horizontal	177		Vertical inlet
213	Donaldson 29203	Vertical inlet	215		~
214	Donaldson 181590A1	Vertical	699		~
215	Donaldson 197297A1	Vertical	532	132	~
216	Donaldson 252996A1	Horizontal	1111		Outlet Vertical; inlet modified for horizontal mounting.
217	Donaldson 254334A1	Horizontal	557		~
218	Donaldson 280811A1	Horizontal	395	132	~
219	Donaldson 299455A3	Vertical	293		~
220	Donaldson 373393A1	Horizontal	282	132	~
221	Donaldson 403438A1	Vertical inlet	177	132	Change in external mounting bracket. See Donaldson 142-8811
222	Donaldson 403438A1	Horizontal	853	132	~
223	Donaldson 416717A1	Horizontal	1302		Tested @ 4 psi back pressure
224	Donaldson 412194	Vertical	192		Horizontal body; vertical inlet
225	Donaldson 1723507	Horizontal	215		Inverted inlet
226	Donaldson 1723507	Vertical inlet	215		~
227	Donaldson 1723507	Horizontal	228	131	See also M050235
228	Donaldson 1922614	Vertical inlet	177	132	~
229	Donaldson 5205007	Horizontal	853		~
230	Donaldson 8602052	Horizontal	416		Retest (Resubmitted)
231	Donaldson 18300152	Horizontal	675		~
232	Donaldson 87106699	Horizontal	651		Vertical inlet
233	Donaldson 87106701	Horizontal	725		Vertical inlet
234	Donaldson 87302273	Horizontal	982	132	~
235	Donaldson 87430157	Horizontal	1454		~
236	Donaldson 87430159	Horizontal	1454		~
237	Donaldson 87443197	Vertical Inlet &			
238		Horizontal Body	1601	132	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
239	Donaldson	707600200	Horizontal	1025		~
240	Donaldson	00-12-300EP	Horizontal	215		Inverted inlet
241	Donaldson	142-8811	Vertical inlet	177	131	~
242	Donaldson	142-8845	Vertical inlet	177	131	See also 142-8811
243	Donaldson	166-1242	Horizontal	675		~
244	Donaldson	172-3507	Horizontal	215	131	Inverted inlet
245	Donaldson	187-8246 (M085403)	Horizontal	238		Vertical inlet
246	Donaldson	192-2614	Vertical inlet	177	131	Change in external mounting bracket. See Donaldson 142-8811
247	Donaldson	202-9716	Horizontal	177		Vertical inlet
248	Donaldson	217-8513 (M070470)	Horizontal	190		~
249	Donaldson	217-8513 (M070470)	Horizontal	572		Qualified
250	Donaldson	227-9405 (M085422)	Horizontal	238	131	Vertical inlet; See Donaldson 187-8246 (M085403)
251	Donaldson	230-3731	Horizontal	177	127	See also Donaldson 142-8811
252	Donaldson	A184241	Vertical	259		~
253	Donaldson	BG2001	Horizontal	572		Qualified
254	Donaldson	BG2002	Horizontal	165		~
255	Donaldson	C5602	Horizontal	190		Brackets are L-shaped. Internal tube is 6.12” long
256	Donaldson	C6580	Horizontal	190		Side-in; side-out tubes; & internal tube is 6.12” long
257	Donaldson	CAT1953725	Horizontal	1025		~
258	Donaldson	FCM045123	Horizontal	131	127	~
259	Donaldson	FCM045123	Vertical	146	127	~
260	Donaldson	FCM045214	Horizontal	131	127	~
261	Donaldson	FCM045214	Vertical	146	127	See Donaldson FCM04-5123
262	Donaldson	FCM045220	Horizontal	131		See Donaldson FCM04-5123
263	Donaldson	FCM045220	Vertical	146		See Donaldson FCM04-5123
264	Donaldson	FCM060037	Horizontal	273	127	~
265	Donaldson	FCM060037	Vertical	296	127	~
266	Donaldson	FCM060038	Vertical	120	127	~
267	Donaldson	FCM060038	Horizontal	126	127	~
268	Donaldson	FCM065030	Horizontal	427	127	~
269	Donaldson	FCM065030	Vertical	436	127	~
270	Donaldson	FCM070068	Horizontal	597		~
271	Donaldson	FCM070068	Vertical	644		~
272	Donaldson	FCM070069	Horizontal	842	128	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
273	Donaldson FCM070069	Vertical	881	128	Flow amended from 1000 to 881 3/67 ~ Modified FCM07-0068 Modified FCM07-0068 Modified FCM07-0068
274	Donaldson FCM070118	Horizontal	597	128	
275	Donaldson FCM070118	Vertical	644	128	
276	Donaldson FCM070122	Horizontal	597		
277	Donaldson FCM070122	Vertical	644		
278	Donaldson FCM070126	Horizontal	597		Model class FCM07-0068
279	Donaldson FCM070126	Vertical	644		Model class FCM07-0068
280	Donaldson FCM070139	Horizontal	597		Model class FCM07-0068
281	Donaldson FCM070139	Vertical	644		Model class FCM07-0068
282	Donaldson FCM0702491	Vertical	638		Modified FCM07-0068
283	Donaldson FCM070304	Horizontal	731	128	~
284	Donaldson FCM070304	Vertical	821	128	~
285	Donaldson FCM070305	Vertical	1023	128	~
286	Donaldson FCM080024	Horizontal	1177	128	~
287	Donaldson FCM080024	Vertical	1200	128	~
288	Donaldson FCM090091	Horizontal	1630	128	~
289	Donaldson FCM090091	Vertical	1670	128	~
290	Donaldson FCM091009	Horizontal	1630		See Donaldson FCM09-0091
291	Donaldson FCM091009	Vertical	1670		See Donaldson FCM09-0091
292	Donaldson FCM100016	Horizontal	2480	128	~
293	Donaldson FCM100016	Vertical	2660	128	~
294	Donaldson FMM032515	Vertical	27	128	~
295	Donaldson FMM050073	Vertical	66		~
296	Donaldson FMM050132	Vertical	146		~
297	Donaldson FMM060175	Vertical	207		~
298	Donaldson FMM065106	Vertical	213		~
299	Donaldson FMM090510	Horizontal	510		~
300	Donaldson FMM090638	Vertical	221		~
301	Donaldson FMM090843	Vertical	1423	129	~
302	Donaldson FMM120303	Horizontal	498	129	See Caterpillar 8N7074-1
303	Donaldson M050235	Horizontal	228		~
304	Donaldson M050238	Vertical	192		Horizontal body; vertical inlet
305	Donaldson M050242	Horizontal	192	129	See also M050244
306	Donaldson M050242	Vertical	192	129	See also M050238

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
307	Donaldson M050243	Horizontal	192		See also M050238
308	Donaldson M050244	Horizontal	228		See also M050235
309	Donaldson M050249	Horizontal	190		~
310	Donaldson M050253rev4	Horizontal	190		Side-in; side-out tubes; & internal tube is 6.12 long
311	Donaldson M050256	Horizontal	192		See also M050238
312	Donaldson M050257	Horizontal	192		See also M050244
313	Donaldson M050258	Horizontal	192		See also M050238
314	Donaldson M050260	Horizontal	165		~
315	Donaldson M050267rev0	Horizontal	190		Brackets are L-shaped. Internal tube is 6.12 long
316	Donaldson M050268	Horizontal	190	130	Tailpipe is longer with 1" and at end is cut square from model
317					M050253
318	Donaldson M050272	Horizontal	192		See also M050238
319	Donaldson M050273	Horizontal	192		See also M050238
320	Donaldson M050276	Horizontal	192	130	See also Donaldson M050272
321	Donaldson M065154	Horizontal	311	130	~
322	Donaldson M070285	Vertical	512	131	~
323	Donaldson M070378	Vertical	293	131	~
324	Donaldson M090955	Horizontal	212		~
325	Donaldson SAU015068	Vertical	120		See Donaldson FCM06-0038
326	Donaldson SAU015068	Horizontal	126		See Donaldson FCM06-0038
327	Donaldson SAU020170	Horizontal	273		See Donaldson FCM06-0037
328	Donaldson SAU020170	Vertical	296		See Donaldson FCM06-0037
329	Donaldson SAU025113	Horizontal	427		See Donaldson FCM06-5030
330	Donaldson SAU025113	Vertical	436		See Donaldson FCM06-5030
331	Donaldson SAU030196	Horizontal	597		See Donaldson FCM07-0068
332	Donaldson SAU030196	Vertical	644		See Donaldson FCM07-0068
333	Donaldson SAU035126	Horizontal	842		See Donaldson FCM07-0069
334	Donaldson SAU035126	Vertical	881		See Donaldson FCM07-0069
335	Donaldson SAU040369	Horizontal	1177		See Donaldson FCM08-0024
336	Donaldson SAU040369	Vertical	1200		See Donaldson FCM08-0024
337	Donaldson SAU050366	Horizontal	1630		See Donaldson FCM09-0091
338	Donaldson SAU050366	Vertical	1670		See Donaldson FCM09-0091
339	Donaldson SAU060467	Horizontal	2480		See Donaldson FCM10-0016
340	Donaldson SAU060467	Vertical	2660		See Donaldson FCM10-0016

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
341	Dubach Racing DRD 2003	Multiple	298		Screen Type
342	Eagle Carriage & Machine H2O1	Vertical	97		Requires water to trap and cool exhaust Water level must be above the temperature sensor.
343					
344	Eastern Tools & Equipment TG1200	Multiple	19	133	Screen Type
345	Eastern Tools & Equipment TG3000	Multiple	30	133	Screen Type
346	Echo11620	Multiple	42	134	Screen; 2-cycle; 4.1 hp or smaller
347	Enduro Engineering # EE 2004	Multiple	184	135	~
348	Engineered Exhaust Systems 16009	Multiple	110	134	Screen; 4-cycle; 25 hp or smaller
349	Engineered Exhaust Systems 53371	Multiple	24		Screen; 2-cycle; 2 hp
350	Engineered Exhaust Systems 56378	Multiple	24		~
351	Engineered Exhaust Systems 92675	Horizontal	41	134	Screen type; 4-cycle; 35 hp or smaller
352	Engineered Exhaust Systems 890911	Multiple	20	134	Screen; 4-cycle; 3 hp or smaller
353	Engineered Exhaust Systems 92675A	Horizontal	41	134	Screen type; 4-cycle; 35 hp or smaller
354	E-TON B00	Multiple	54		~
355	E-TON JI-EE A29	Multiple	104	135	Screen Type
357	E-TON V30ET on V30	Multiple	58	135	~
358	Farr 20B	Vertical	435		Not qualified above 435
359	Farr 30B	Vertical	605		~
360	Farr 40B	Vertical	1060		~
361	Farr 50B	Vertical	1730		~
362	Farr Aspirator B166471	Vertical	625	136	~
363	Farr Aspirator B17345	Vertical	560	136	~
364	Farr Aspirator B18854	Vertical	615	136	~
365	Farr Aspirator C15626	Vertical	221		~
366	Farr Aspirator C16085	Vertical	221	136	~
367	Farr Aspirator C22001	Vertical	270	136	~
368	Fleetguard 14110	Vertical	435	202	See Nelson 14110
369	Fleetguard 14113	Vertical	182	202	See Nelson 14113
370	Fleetguard 14217	Horizontal	186	202	See Nelson 14217
371	Fleetguard 14390	Vertical	111	202	See Nelson 14390
372	Fleetguard 14572	Horizontal	167	202	See Nelson 14572
373	Fleetguard 15514	Inverted	615	203	See Nelson 15514
374	Fleetguard 15567	Inverted	35	203	See Nelson 15567
375					

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
376	Fleetguard 15730	Horizontal	35	203	See Nelson 15730
377	Fleetguard 15731	Horizontal	42	203	See Nelson 15731
378	Fleetguard 15818	Vertical	112	203	See Nelson 15818
379	Fleetguard 15870	Inverted	99	203	See Nelson 15870
380	Fleetguard 15876	Vertical	348	204	See Nelson 15876
381	Fleetguard 15893	Inverted	42	204	See Nelson 15893
382	Fleetguard 15934	Horizontal	95	204	See Nelson 15934
383	Fleetguard 15935	Horizontal	71	204	See Nelson 15935
384	Fleetguard 15982	Horizontal	63	204	See Nelson 15982
385	Fleetguard 16001	Vertical	750	204	See Nelson 16001
386	Fleetguard 16006	Horizontal	112	205	See Nelson 16006
387	Fleetguard 16011	Horizontal	50	205	See Nelson 16011
388	Fleetguard 16025	Vertical	196	205	See Nelson 16025
389	Fleetguard 16068	Horizontal	325	205	See Nelson 16068
390	Fleetguard 16152	Horizontal	148	205	See Nelson 16152
391	Fleetguard 16170	Vertical	588	205	See Nelson 16170
392	Fleetguard 16297	Horizontal	71	206	See Nelson 16297
393	Fleetguard 16300	Horizontal	81	206	See Nelson 16300
394	Fleetguard 16301	Horizontal	59	206	See Nelson 16301
395	Fleetguard 16302	Horizontal	150	206	See Nelson 16302
396	Fleetguard 16304	Horizontal	62	206	See Nelson 16304
397	Fleetguard 16361	Inverted	43	206	See Nelson 16361
398	Fleetguard 16362	Inverted	46	207	See Nelson 16362
399	Fleetguard 16460	Inverted	61	207	See Nelson 16460
400	Fleetguard 16504	Vertical	640	207	See Nelson 16504
401	Fleetguard 16538	Vertical	282	207	See Nelson 16538
402	Fleetguard 16547	Vertical	194	208	See Nelson 16547
403	Fleetguard 16572	Horizontal	108	208	See Nelson 16572
404	Fleetguard 16619	Inverted	105	208	See Nelson 16619
405	Fleetguard 16628	Horizontal	105	208	See Nelson 16628
406	Fleetguard 16667	Inverted	35	208	See Nelson 16667
407	Fleetguard 16752	Vertical	75	208	See Nelson 16752
408	Fleetguard 16825	Horizontal	79	208	See Nelson 16825
409	Fleetguard 16828	Horizontal	87	209	See Nelson 16828

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
410	Fleetguard 16868	Horizontal	206	209	See Nelson 16868
411	Fleetguard 16888	Vertical	140	209	See Nelson 16888
412	Fleetguard 16909	Inverted	243	209	See Nelson 16909
413	Fleetguard 16932	Horizontal	160	209	See Nelson 16932
414	Fleetguard 16956	Horizontal	108	209	See Nelson 16956
415	Fleetguard 16986	Vertical	102	210	See Nelson 16986
416	Fleetguard 16988	Horizontal	116	210	See Nelson 16988
417	Fleetguard 16989	Horizontal	54	210	See Nelson 16989
418	Fleetguard 16990	Vertical	100	210	See Nelson 16990
419	Fleetguard 17005	Vertical	558	210	See Nelson 17005
420	Fleetguard 17043	Horizontal	68	210	See Nelson 17043
421	Fleetguard 17088	Horizontal	57	211	See Nelson 17088
422	Fleetguard 17112	Inverted	31	211	See Nelson 17112
423	Fleetguard 17123	Vertical	192	211	See Nelson 17123
424	Fleetguard 17185	Inverted	170	211	See Nelson 17185
425	Fleetguard 17254	Horizontal	386	211	See Nelson 17254
426	Fleetguard 17318	Multiple	81	211	See Nelson 17318
427	Fleetguard 17334	Horizontal	122	212	See Nelson 17334
428	Fleetguard 17371	Vertical	131	212	See Nelson 17371
429	Fleetguard 17410	Horizontal	95	212	See Nelson 17410
430	Fleetguard 17470	Horizontal	65	212	See Nelson 17470
431	Fleetguard 17480	Horizontal	420	212	See Nelson 17480
432	Fleetguard 17533	Horizontal	69	212	See Nelson 17533
433	Fleetguard 17622	Horizontal	89	213	See Nelson 17622
434	Fleetguard 17657	Vertical	226	213	See Nelson 17657
435	Fleetguard 17674	Inverted	150	213	See Nelson 17674
436	Fleetguard 17695	Vertical	143	213	See Nelson 17695
437	Fleetguard 17701	Horizontal	1044	213	See Nelson 17701
438	Fleetguard 17746	Vertical	107	213	See Nelson 17746
439	Fleetguard 17747	Horizontal	89	214	See Nelson 17747
440	Fleetguard 17749	Horizontal	97	214	See Nelson 17749
441	Fleetguard 17750	Horizontal	141	214	See Nelson 17750
442	Fleetguard 17765	Vertical	81	214	See Nelson 17765
443	Fleetguard 17898	Horizontal	46	214	See Nelson 17898

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
444	Fleetguard 17899	Horizontal	754	214	See Nelson 17899
445	Fleetguard 17973	Vertical	357	215	See Nelson 17973
446	Fleetguard 17974	Vertical	454	215	See Nelson 17974
447	Fleetguard 17998	Vertical	78	215	See Nelson 17998
448	Fleetguard 18012	Horizontal	94		See Nelson 18012
449	Fleetguard 18018	Vertical	455	215	See Nelson 18018
450	Fleetguard 18031	Inverted	110	215	See Nelson 18031
451	Fleetguard 18090	Horizontal	700	215	See Nelson 18090
452	Fleetguard 18289	Inverted	75	215	See Nelson 18289
453	Fleetguard 18433	Vertical	165	216	See Nelson 18433
454	Fleetguard 18493	Horizontal	94		See Nelson 18493
455	Fleetguard 18528	Horizontal	74	216	See Nelson 18528
456	Fleetguard 18613	Vertical	196	216	See Nelson 18613
457	Fleetguard 18631	Vertical	83	216	See Nelson 18613
458	Fleetguard 18642	Horizontal	576	216	See Nelson 18642
459	Fleetguard 18731	Horizontal	90	216	See Nelson 18731
460	Fleetguard 18753	Multiple	81	217	See Nelson 18753
461	Fleetguard 18798	Vertical	77	217	See Nelson 18798
462	Fleetguard 18875	Horizontal	77	217	See Nelson 18875
463	Fleetguard 18885	Vertical	50	217	See Nelson 18885
464	Fleetguard 19005	Vertical	213	217	See Nelson 19005
465	Fleetguard 19051	Vertical	225	217	See Nelson 190051
466	Fleetguard 19052	Vertical	225	217	See Nelson 19052
467	Fleetguard 19053	Vertical	225	217	See Nelson 19053
468	Fleetguard 19062	Horizontal	576	217	See Nelson 19062
469	Fleetguard 19068	Vertical	133	218	See Nelson 19068
470	Fleetguard 19125	Vertical	350	218	See Nelson 19125
471	Fleetguard 19126	Vertical	238	218	See Nelson 19126
472	Fleetguard 19139	Vertical	93	218	See Nelson 19139
473	Fleetguard 19269	Vertical	225	218	See Nelson 19269
474	Fleetguard 19273	Vertical	300	218	See Nelson 19273
475	Fleetguard 19341	Horizontal	193	219	See Nelson 19341
476	Fleetguard 19382	Vertical	124	219	See Nelson 19382
470	Fleetguard 19383	Vertical	225	219	See Nelson 19383

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
471	Fleetguard 19453	Inverted	505	219	See Nelson 19453
472	Fleetguard 19578	Horizontal	198	219	See Nelson 19578
473	Fleetguard 19705	Vertical	213	219	See Nelson 19705
474	Fleetguard 19773	Vertical	243	220	See Nelson 19773
475	Fleetguard 19820	Horizontal	36	220	See Nelson 19820
476	Fleetguard 19822	Horizontal	38	220	See Nelson 19822
477	Fleetguard 19825	Horizontal	18	220	See Nelson 19825
478	Fleetguard 19826	Horizontal	28	220	See Nelson 19826
479	Fleetguard 19830	Vertical	345	220	See Nelson 19830
480	Fleetguard 19853	Vertical	405	221	See Nelson 19853
481	Fleetguard 19941	Horizontal	94	221	See Nelson 19941
482	Fleetguard 19973	Horizontal	45	221	See Nelson 19973
483	Fleetguard 19975	Horizontal	95	221	See Nelson 19975
484	Fleetguard 19976	Horizontal	125	221	See Nelson 19976
485	Fleetguard 19994	Vertical	94	221	See Nelson 19994
486	Fleetguard 20069	Horizontal	470	222	See Nelson 20069
487	Fleetguard 20072	Vertical	392	222	See Nelson 20072
488	Fleetguard 20147	Horizontal	78	222	See Nelson 20147
489	Fleetguard 20343	Horizontal	46	222	See Nelson 20343
490	Fleetguard 20490	Horizontal	23		See Nelson 20490
491	Fleetguard 20513	Horizontal	66	222	See Nelson 20513
492	Fleetguard 20519	Vertical	460	222	See Nelson 20519
493	Fleetguard 20539	Horizontal	207	223	See Nelson 20539
494	Fleetguard 20578	Multiple	30	223	See Nelson 20578
495	Fleetguard 20608	Vertical	160	223	See Nelson 20608
496	Fleetguard 20665	Horizontal	36	220	See Nelson 20665
497	Fleetguard 20666	Horizontal	38	220	See Nelson 20666
498	Fleetguard 20687	Horizontal	33	223	See Nelson 20687
499	Fleetguard 20710	Vertical	252	224	See Nelson 20710
500	Fleetguard 20710	Horizontal	268	224	See Nelson 20710
501	Fleetguard 20788	Inverted	27	224	See Nelson 20788
502	Fleetguard 20952	Horizontal	111	224	See Nelson 20952
503	Fleetguard 20953	Vertical	166	224	See Nelson 20953
504	Fleetguard 20954	Horizontal	257	224	See Nelson 20954

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
505	Fleetguard 20965	Horizontal	108	225	See Nelson 20965
506	Fleetguard 20990	Horizontal	64	225	See Nelson 20990
507	Fleetguard 21079	Horizontal	40		See Nelson 21079
508	Fleetguard 21140	Horizontal	267	225	See Nelson 21140
509	Fleetguard 21161	Inverted	154	225	See Nelson 21161
510	Fleetguard 21278	Inverted	40		See Nelson 21278
511	Fleetguard 21279	Horizontal	49		See Nelson 21279
512	Fleetguard 21315	Horizontal	900		See Nelson 21315
513	Fleetguard 21341	Inverted	106	225	See Nelson 21341
514	Fleetguard 21422	Horizontal	40		See Nelson 21422
515	Fleetguard 21423	Inverted	44		See Nelson 21423
516	Fleetguard 21517	Vertical	245		See Nelson 21517
517	Fleetguard 21549	Horizontal	57		See Nelson 21549
518	Fleetguard 21616	Vertical	107		See Nelson 21616
519	Fleetguard 21645	Horizontal	40		See Nelson 21645
520	Fleetguard 21709	Horizontal	82		See Nelson 21709
521	Fleetguard 21721	Horizontal	36	226	See Nelson 21721
522	Fleetguard 21758	Horizontal	571	226	See Nelson 21758
523	Fleetguard 21800	Horizontal	128	226	See Nelson 21800
524	Fleetguard 21863	Vertical	255	226	See Nelson 21863
525	Fleetguard 21884	Vertical	178	226	See Nelson 21884
526	Fleetguard 21928	Horizontal	82	226	See Nelson 21928
527	Fleetguard 21950	Vertical	188	227	See Nelson 21950
528	Fleetguard 22157	Inverted	46	207	See Nelson 22157
529	Fleetguard 22255	Vertical	250	227	See Nelson 22255
530	Fleetguard 22389	Horizontal	67	227	See Nelson 22389
531	Fleetguard 22416	Vertical	160	227	See Nelson 22416
532	Fleetguard 22506	Vertical	62	228	See Nelson 22506
533	Fleetguard 22627	Vertical	111	228	See Nelson 22627
534	Fleetguard 22671	Horizontal	84	228	See Nelson 22671
535	Fleetguard 22672	Horizontal	84	228	See Nelson 22672
536	Fleetguard 22737	Horizontal	44		See Nelson 22737
537	Fleetguard 22755	Horizontal	43	228	See Nelson 22755
538	Fleetguard 22777	Horizontal	40		See Nelson 22777

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
539	Fleetguard 22823	Horizontal	71	229	See Nelson 22823
540	Fleetguard 22836	Horizontal	36		See Nelson 22836
541	Fleetguard 22904	Inverted	36	220	See Nelson 22904
542	Fleetguard 22917	Horizontal	55	229	See Nelson 22917
543	Fleetguard 22992	Vertical	183	229	See Nelson 22992
544	Fleetguard 23069	Horizontal	28		See Nelson 23069
545	Fleetguard 23094	Vertical	124	219	See Nelson 23094
546	Fleetguard 23096	Vertical	206	229	See Nelson 23096
547	Fleetguard 23137	Vertical	64	229	See Nelson 23137
548	Fleetguard 23162	Inverted	106	230	See Nelson 23162
549	Fleetguard 23483	Horizontal	31		See Nelson 23483
550	Fleetguard 23643	Vertical	112	230	See Nelson 23643
551	Fleetguard 23697	Vertical	127	230	See Nelson 23697
552	Fleetguard 23718	Horizontal	64	225	See Nelson 23718
553	Fleetguard 23726	Horizontal	85		See Nelson 23726
554	Fleetguard 23727	Vertical	92		See Nelson 23727
555	Fleetguard 23746	Vertical	152	231	See Nelson 23746
556	Fleetguard 23843	Horizontal	32	231	See Nelson 23843
557	Fleetguard 23852	45° from inverted	148	231	See Nelson 23852
558	Fleetguard 23860	Horizontal	33	231	See Nelson 23860
559	Fleetguard 23893	Horizontal	228	231	See Nelson 23893
560	Fleetguard 24035	Vertical	159	232	See Nelson 24035
561	Fleetguard 24083	Vertical	223	232	See Nelson 24083
562	Fleetguard 24148	Horizontal	1027	232	See Nelson 24148
563	Fleetguard 24180	Horizontal	281	233	See Nelson 24180
564	Fleetguard 24304	Vertical	131	233	See Nelson 24304
565	Fleetguard 24379	Vertical	168	233	See Nelson 24379
566	Fleetguard 24459	Vertical	895	233	See Nelson 24459
567	Fleetguard 24707	Vertical	177	233	See Nelson 24707
568	Fleetguard 24710	Vertical	159	233	See Nelson 24710
569	Fleetguard 24711	Vertical	131	234	See Nelson 24711
570	Fleetguard 24745	Horizontal	121	234	See Nelson 24745
571	Fleetguard 24752	Vertical	168	234	See Nelson 24752
572	Fleetguard 24800	Vertical	117	234	See Nelson 24800

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
573	Fleetguard 24839	Vertical	242	234	See Nelson 24839
574	Fleetguard 24842	Vertical	280	235	See Nelson 24842
575	Fleetguard 24931	Horizontal	92	235	See Nelson 24931
576	Fleetguard 24953	Vertical	69	235	See Nelson 24953
577	Fleetguard 25007	Horizontal	52	235	See Nelson 25007
578	Fleetguard 25012	Vertical	135	235	See Nelson 25012
579	Fleetguard 25026	Vertical	231	236	See Nelson 25026
580	Fleetguard 25133	Vertical	894	236	See Nelson 25133
581	Fleetguard 25191	Inverted	38	236	See Nelson 25191
582	Fleetguard 25237	Horizontal	71	236	See Nelson 25237
583	Fleetguard 25640	Vertical	43	237	See Nelson 25640
584	Fleetguard 25766	Multiple	48	237	See Nelson 25766
585	Fleetguard 25771	Horizontal	160	237	See Nelson 25771
586	Fleetguard 25986	Horizontal	84	237	See Nelson 25986
587	Fleetguard 26147	Horizontal	113	237	See Nelson 26147
588	Fleetguard 26252	Vertical	234		See Nelson 26252
589	Fleetguard 26281	Horizontal	83		See Nelson 26281
590	Fleetguard 26294	Horizontal	80	238	See Nelson 26294
591	Fleetguard 26296	Horizontal	75	238	See Nelson 26296
592	Fleetguard 26359	Horizontal	101	238	See Nelson 26359
593	Fleetguard 26438	Horizontal	66	238	See Nelson 26438
594	Fleetguard 26454	Horizontal	88	238	See Nelson 26454
595	Fleetguard 26465	Horizontal	177	239	See Nelson 26465
596	Fleetguard 26503	Horizontal	46	239	See Nelson 26503
597	Fleetguard 26617	Horizontal	113	239	See Nelson 26617
598	Fleetguard 26710	Horizontal	66	239	See Nelson 26710
599	Fleetguard 26749	Horizontal	69	239	See Nelson 26749
600	Fleetguard 26875	Horizontal	435	239	See Nelson 26875
601	Fleetguard 26876	Horizontal	1056	239	See Nelson 26876
602	Fleetguard 26897	Horizontal	63	240	See Nelson 26897
603	Fleetguard 27137	Horizontal	32	240	See Nelson 27137
604	Fleetguard 27173	Horizontal	234	240	See Nelson 27173
605	Fleetguard 27174	Horizontal	67	240	See Nelson 27174
606	Fleetguard 27196	Horizontal	79.4		See Nelson 27196

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
607	Fleetguard 27222	Horizontal	73	241	See Nelson 27222
608	Fleetguard 27258	Horizontal	72		See Nelson 27258
609	Fleetguard 27453	Horizontal	258	241	See Nelson 27453
610	Fleetguard 27475	Horizontal	218	241	See Nelson 27475
611	Fleetguard 27522	Horizontal	89	241	See Nelson 27522
612	Fleetguard 27692	Horizontal	254	242	See Nelson 27593
613	Fleetguard 27780	Horizontal	72	242	See Nelson 27780
614	Fleetguard 27890	Horizontal	67	242	See Nelson 27890
615	Fleetguard 27901	Horizontal	103	242	See Nelson 27901
616	Fleetguard 27906	Multiple	101	242	See Nelson 27906
617	Fleetguard 28151	Horizontal	75		See Nelson 28151
618	Fleetguard 28186	Horizontal	130	243	See Nelson 28186
619	Fleetguard 28457	Multiple	200	243	See Nelson 28457
620	Fleetguard 28472	Horizontal	75	244	See Nelson 28472
621	Fleetguard 28602	Horizontal	66		See Nelson 28602
622	Fleetguard 29223	Horizontal	79	244	See Nelson 29223
623	Fleetguard 29309	Horizontal	260	244	See Nelson 29309
624	Fleetguard 29726	Horizontal	622		See Nelson 29726
625	Fleetguard 29798	Horizontal	155		See Nelson 29798
626	Fleetguard 30134	Vertical	298	245	See Nelson 30134
627	Fleetguard 30670	Vertical	352	245	See Nelson 30670
628	Fleetguard 35347	Multiple	81	245	See Nelson 35347
629	Fleetguard 38195	Vertical	104	245	See Nelson 38195
630	Fleetguard 38196	Horizontal	111	245	See Nelson 38196
631	Fleetguard 49013	Multiple	118	245	See Nelson 49013
632	Fleetguard 49017	Multiple	48	245	See Nelson 49017
633	Fleetguard 49019	Multiple	48	245	See Nelson 49019
634	Fleetguard 49020	Multiple	54	246	See Nelson 49020
635	Fleetguard 49021	Multiple	67	246	See Nelson 49021
636	Fleetguard 49022	Multiple	89	246	See Nelson 49022
637	Fleetguard 49024	Multiple	109	246	See Nelson 49024
638	Fleetguard 49025	Multiple	130	246	See Nelson 49025
639	Fleetguard 49026	Multiple	222	247	See Nelson 49026
640	Fleetguard 49110	Horizontal	50		See Nelson 49110

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
641	Fleetguard 49114	Horizontal	99	247	See Nelson 49114
642	Fleetguard 49115	Vertical	24	247	See Nelson 49115
643	Fleetguard 49119	Horizontal	237	247	See Nelson 49119
644	Fleetguard 49120	Vertical	255	248	See Nelson 49120
645	Fleetguard 49124	Vertical	302	248	See Nelson 49124
646	Fleetguard 49125	Vertical	344	248	See Nelson 49125
647	Fleetguard 49130	Horizontal	655	248	See Nelson 49130
648	Fleetguard 49135	Vertical	830	248	See Nelson 49135
649	Fleetguard 49140	Vertical	760	248	See Nelson 49140
650	Fleetguard 49150	Horizontal	1275	249	See Nelson 49150
651	Fleetguard 49160	Horizontal	2020	249	See Nelson 49160
652	Fleetguard 200188	Horizontal	60		See Nelson 200188
653	Fleetguard 200192	Horizontal	273		See Nelson 200192
654	Fleetguard 200202	Horizontal	53		See Nelson 200202
655	Fleetguard 200202C	Horizontal	85	249	See Nelson 200202C
656	Fleetguard 200266	Horizontal	114		See Nelson 200266
657	Fleetguard 200395	Horizontal	144		See Nelson 200395
658	Fleetguard 200396	Horizontal	58		See Nelson 200396
659	Fleetguard 200761	Horizontal	86		See Nelson 200761
660	Fleetguard 200775	Horizontal	211		See Nelson 200775
661	Fleetguard 200873	Horizontal	304		See Nelson 200873
662	Fleetguard 201042	Horizontal	168		See Nelson 201042
663	Fleetguard 201072	Horizontal	153	249	See Nelson 201072
664	Fleetguard 201073	Horizontal	718		See Nelson 201073
665	Fleetguard 201327	Horizontal	49		See Nelson 201327
666	Fleetguard 201435	Horizontal	365	249	See Nelson 201435
667	Fleetguard 201487	Horizontal	167		See Nelson 201487
668	Fleetguard 201588	Horizontal	120	250	See Nelson 201588
669	Fleetguard 201775	Vertical	1033	250	See Nelson 201775
670	Fleetguard 201789	Inverted	70	250	See Nelson 201789
671	Fleetguard 201816	Vertical	172	250	See Nelson 201816
672	Fleetguard 201817	Vertical	172	250	See Nelson 201817
673	Fleetguard 201819	Horizontal	113	250	See Nelson 201819
674	Fleetguard 201899	Horizontal	260	251	See Nelson 201899

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
675	Fleetguard 201950	Horizontal	67		See Nelson 201950
676	Fleetguard 201952	Horizontal	155	251	See Nelson 201952
677	Fleetguard 201969	Horizontal	86		See Nelson 201969
678	Fleetguard 202287	Horizontal	259	251	See Nelson 202287
679	Fleetguard 412157	Horizontal	48		See Nelson 412157
680	Fleetguard 613313	Multiple	60	251	See Nelson 613313
681	Fleetguard 614338	Multiple	87	251	See Nelson 614338
682	Fleetguard 1661242	Horizontal	48		See Nelson 1661242
683	Fleetguard 1723507	Horizontal	325		See Nelson 1723507
684	Fleetguard 1922614	Vertical	166		See Nelson 1922614
685	Fleetguard 2029716	Horizontal	25		See Nelson 2029716
686	Fleetguard 15064A	Vertical	244	202	See Nelson 15064A
687	Fleetguard 1553314	Horizontal	82		See Nelson 1553314
688	Fleetguard 16506A	Vertical	258	207	See Nelson 16506A
689	Fleetguard 16507A	Vertical	440	207	See Nelson 16507A
690	Fleetguard 16990A	Vertical	100	210	See Nelson 16990A
691	Fleetguard 17622C	Horizontal	89	213	See Nelson 17622C
692	Fleetguard 18528A	Horizontal	70	216	See Nelson 18528A
693	Fleetguard 20578B	Multiple	30		See Nelson 20578B
694	Fleetguard 20892A	Horizontal	48	220	See Nelson 20892A
695	Fleetguard 20892B	Horizontal	48	220	See Nelson 20892B
696	Fleetguard 20990B	Horizontal	64	225	See Nelson 20990B
697	Fleetguard 21423B	Horizontal	44		See Nelson 21423B
698	Fleetguard 2178513 (M070470)	Multiple	109		See Nelson 2178513
699	Fleetguard 21800A	Horizontal	128	226	See Nelson 21800A
700	Fleetguard 21800C	Horizontal	128	226	See Nelson 21800C
701	Fleetguard 21950B	Vertical	188	227	See Nelson 21950B
702	Fleetguard 22171B	Horizontal	54	227	See Nelson 22171B
703	Fleetguard 22506A	Vertical	62	228	See Nelson 22506A
704	Fleetguard 22801A	Horizontal	54		See Nelson 22801A
705	Fleetguard 22807A	Vertical	405	228	See Nelson 22807A
706	Fleetguard 22992A	Horizontal	205	229	See Nelson 22993A
707	Fleetguard 23259A	Multiple	30	229	See Nelson 23259A
708	Fleetguard 23511A	Vertical	87	230	See Nelson 23511A

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
709	Fleetguard 23516A	Multiple	30		See Nelson 23516A
710	Fleetguard 24108A	Multiple	30		See Nelson 24108A
711	Fleetguard 24756N	Horizontal	49	234	See Nelson 24756N
712	Fleetguard 24866B	Inverted	25	235	See Nelson 24866B
713	Fleetguard 25239A	Horizontal	118	236	See Nelson 25239A
714	Fleetguard 25602A	Horizontal	36	236	See Nelson 25602A
715	Fleetguard 25868N	Horizontal	47	237	See Nelson 25868N
716	Fleetguard 26054A	Horizontal	48		See Nelson 26054A
717	Fleetguard 26201A	Horizontal	105	238	See Nelson 26201A
718	Fleetguard 26710N	Horizontal	77		See Nelson 26710N
719	Fleetguard 27021	Horizontal	71		See Nelson 27021
720	Fleetguard 27196A	Horizontal	63	240	See Nelson 27196A
721	Fleetguard 27404A	Horizontal	484	241	See Nelson 27404A
722	Fleetguard 27453A	Horizontal	234	241	See Nelson 27453A
723	Fleetguard 27543A	Horizontal	262	241	See Nelson 27543A
724	Fleetguard 28057N	Horizontal	737	242	See Nelson 28057N
725	Fleetguard 28061N	Horizontal	560	243	See Nelson 28061N
726	Fleetguard 28070N	Horizontal	608	243	See Nelson 28070N
727	Fleetguard 28416	Multiple	30		See Nelson 28416
728	Fleetguard 28440	Horizontal	114		See Nelson 28440
729	Fleetguard 28478A	Horizontal	41	244	See Nelson 28478A
730	Fleetguard 28479A	Horizontal	33	244	See Nelson 28479A
731	Fleetguard 28610	Horizontal	31		See Nelson 28610
732	Fleetguard 28619	Horizontal	69		See Nelson 28619
733	Fleetguard 28664	Multiple	222		See Nelson 28664
734	Fleetguard 28878	Horizontal	48		See Nelson 28878
735	Fleetguard 29058A	Horizontal	76		See Nelson 29058A
736	Fleetguard 29059	Horizontal	32		See Nelson 29059
737	Fleetguard 29222	Horizontal	34		See Nelson 29222
738	Fleetguard 29304	Horizontal	71		See Nelson 27021
739	Fleetguard 29385	Horizontal	236		Vertical inlet
740	Fleetguard 29397	Horizontal	48		Insulated wrap around
741	Fleetguard 29465	Horizontal	123		See Nelson 29465
742	Fleetguard 29466	Vertical	118		See Nelson 29466

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
743	Fleetguard 29513	Horizontal	75		See Nelson 29513
744	Fleetguard 29514	Horizontal	114		See Nelson 29514
745	Fleetguard 29520	Horizontal	53		See Nelson 29520
746	Fleetguard 29520D	Horizontal	85		See Nelson 29520D
747	Fleetguard 29550	Horizontal	123		See Nelson 29550
748	Fleetguard 29738	Vertical	118		See Nelson 29738
749	Fleetguard 29833	Multiple	188		See Nelson 29833
750	Fleetguard 340SA	Multiple	167		See Nelson 340SA
751	Fleetguard 373393A1	Horizontal	53		See Nelson 373393A1
752	Fleetguard 49022G	Multiple	95	246	See Nelson 49022G
753	Fleetguard 49024	Multiple	131		See Nelson 49024
754	Fleetguard 49025	Multiple	300		See Nelson 49025
755	Fleetguard 49028	Multiple	300		See Nelson 49028
756	Fleetguard 49115C	Vertical &			
757		Horizontal	124	247	See Nelson 49115C
758	Fleetguard 49120F	Vertical	255		See Nelson 49120F
759	Fleetguard 49150U	Horizontal &			
760		Vertical	1275	249	See Nelson 49150U
761	Fleetguard C4423	Vertical	213		See Nelson C4423
762	Fleetguard FGD 200378	Horizontal	314	252	See Nelson NM 200378
763	Fleetguard FGD 200865	Horizontal	591	252	See Nelson NM 200865
764	Fleetguard FGD 201063	Horizontal	200	253	See Nelson NM 201063
765	Fleetguard FGD 201140	Horizontal	113	253	See Nelson NM 201140
766	Fleetguard FGD 201200	Horizontal	555	253	See Nelson NM 201200
767	Fleetguard FGD 201215	Horizontal	236	253	See Nelson NM 201215
768	Fleetguard FGD 201237	Horizontal	248	253	See Nelson NM 201237
769	Fleetguard FGD 201305	Horizontal	266	254	See Nelson NM 201305
770	Fleetguard FGD 28533	Horizontal	325	251	See Nelson NM 28533
771	Fleetguard FGD 28563	Horizontal	48		See Nelson NM 28563
772	Fleetguard FGD 28653	Horizontal	48		See Nelson NM 28653
773	Fleetguard FGD 28878	Horizontal	48	252	See Nelson NM 28878
774	Fleetguard FGD 28888A	Horizontal	50		See Nelson NM 28888A
775	Fleetguard FGD 29385	Multiple	28		See Nelson NM 29385
776	Fleetguard FGD 29725	Horizontal	66		See Nelson NM 29725

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
777	Fleetguard FGD 49025	Horizontal	151	252	See Nelson NM 49025
778	Fleetguard FGD 49028	Multiple	185		See Nelson NM 49028
779	Fleetguard FGD 49030	Multiple	130	252	See Nelson NM 49030
780	Fleetguard FGD 615351	Multiple	125	254	See Nelson NM 615351
781	Fleetguard FGD Q617678	Multiple	46		See Nelson NM Q617678
782	Fleetguard Q613817	Horizontal	69		See Nelson Q613817
783	Fleetguard Q614338	Multiple	101	254	See Nelson Q614338
784	Fleetguard Q617409	Multiple	30		See Nelson Q617409
785	Fleetguard Q617419	Multiple	222		See Nelson Q617419
786	Fleetguard Q620546	Multiple	109		See Nelson Q620546
787	Fleetguard RSA20100	Horizontal	114		See Nelson RSA20100
788	Fleetguard RSA20125	Horizontal	32		See Nelson RSA20125
789	Fleetguard S3000	Multiple	115		See Nelson S3000
790	Fleetguard SA-001	Multiple	109		See Nelson SA-001
791	Fleetguard SX1	Multiple	28		See Nelson SX1
792	Fleetguard T10093	Horizontal	20	258	See Nelson T10093
793	Fleetguard T10115	Vertical	227	258	See Nelson T10115
794	Fleetguard T10126	Vertical	122	258	See Nelson T10126
795	Fleetguard T10213	Horizontal	213	258	See Nelson T10213
796	Fleetguard T10214	Horizontal	348	258	See Nelson T10214
797	Fleetguard T10215	Horizontal	394	258	See Nelson T10215
798	Fleetguard T10244	Horizontal	520	259	See Nelson T10244
799	Fleetguard T10291	Horizontal	33	259	See Nelson T10291
800	Fleetguard T10374	Vertical	176	259	See Nelson T10374
801	Fleetguard T10409	Horizontal	21	259	See Nelson T10409
802	Fleetguard T10705	Horizontal	24	259	See Nelson T10705
803	Fleetguard T10792	Horizontal	67	259	See Nelson T10792
804	Fleetguard T10860	Horizontal	100	260	See Nelson T10860
805	Fleetguard T10895	Horizontal	18	260	See Nelson T10895
806	Fleetguard T10897	Vertical	112	260	See Nelson T10897
807	Fleetguard T10898	Horizontal	20	260	See Nelson T10898
808	Fleetguard T10956	Inverted	808	260	See Nelson T10956
809	Fleetguard T10968	Vertical	148		See Nelson T10968
810	Fleetguard T11068C	Inverted	47	260	See Nelson T11068C

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
811	Fleetguard T11145	Vertical	382	261	See Nelson T11145
812	Fleetguard T11159	Inverted	24		See Nelson T11159
813	Fleetguard T11336	Horizontal	239	261	See Nelson T11336
814	Fleetguard T11337	Vertical	308	261	See Nelson T11337
815	Fleetguard T11424	Inverted	63	261	See Nelson T11424
816	Fleetguard T11601C	Horizontal	26	261	See Nelson T11601C
817	Fleetguard T11606	Horizontal	43	261	See Nelson T11606
818	Fleetguard T11668	Vertical	164	262	See Nelson T11668
819	Fleetguard T11708	Vertical	31	262	See Nelson T11708
820	Fleetguard T11730H	Horizontal	13	262	See Nelson T11730H
821	Fleetguard T11842	Inverted	808	262	See Nelson T11842
822	Fleetguard T11915	Horizontal	30	262	See Nelson T11915
823	Fleetguard T11927	Horizontal	324	262	See Nelson T11927
824	Fleetguard T11976	Vertical	125	263	See Nelson T11976
825	Fleetguard T12499	Horizontal	505	258	See Nelson T12499
826	Fleetguard T12502	Vertical	227	258	See Nelson T12502
827	Fleetguard T12760B	Inverted	21	263	See Nelson T12760B
828	Fleetguard T12761	Inverted	38	263	See Nelson T12761
829	Fleetguard T12818	Vertical	305	263	See Nelson T12818
830	Fleetguard T12825F	Inverted	28	264	See Nelson T12825F
831	Fleetguard T12863	Horizontal	92	264	See Nelson T12863
832	Fleetguard T13109	Horizontal	210	264	See Nelson T13109
833	Fleetguard T13265	Inverted	23	264	See Nelson T13265
834	Fleetguard T13300	Horizontal	11	264	See Nelson T13300
835	Fleetguard T13304	Horizontal	50	264	See Nelson T13304
836	Fleetguard T13376	Horizontal	50	265	See Nelson T13376
837	Fleetguard T13473	Horizontal	180	265	See Nelson T13473
838	Fleetguard T13502	Horizontal	640	265	See Nelson T13502
839	Fleetguard T13529	Horizontal	69	265	See Nelson T13529
840	Fleetguard T13559	Horizontal	17	265	See Nelson T13559
841	Fleetguard T13572	Inverted	18	265	See Nelson T13572
842	Fleetguard T13651	Vertical	485	266	See Nelson T13651
843	Fleetguard T13716	Vertical	425	266	See Nelson T13716
844	Fleetguard T13846	Vertical	176	266	See Nelson T13846

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
845	Fleetguard T13919	Vertical	216	266	See Nelson T13919
846	Fleetguard T13933	Inverted	93	266	See Nelson T13933
847	Fleetguard T13934	Vertical	206	266	See Nelson T13934
848	Fleetguard T13935	Vertical	219	267	See Nelson T13935
849	Fleetguard T13940	Inverted	125	267	See Nelson T13940
850	Fleetguard T13944	Horizontal	33	267	See Nelson T13944
851	Fleetguard T13977	Vertical	205	267	See Nelson T13977
852	Fleetguard T13978	Vertical	166	267	See Nelson T13978
853	Fleetguard T13979	Vertical	166	267	See Nelson T13979
854	Fleetguard T13994	Inverted	213	259	See Nelson T13994
855	Fleetguard T13995	Vertical	382	268	See Nelson T13995
856	Fleetguard T13999	Inverted	30	268	See Nelson T13999
857	Fleetguard T14000	Inverted	42	268	See Nelson T14000
858	Fleetguard T14002	Horizontal	11	268	See Nelson T14002
859	Fleetguard T14005	Vertical	380	268	See Nelson T14005
860	Fleetguard T14066	Vertical	204	264	See Nelson T14066
861	Fleetguard T14090	Horizontal	59	269	See Nelson T14090
862	Fleetguard T14099	Inverted	178	269	See Nelson T14099
863	Fleetguard T14105	Horizontal	169	269	See Nelson T14105
864	Fleetguard T14106	Horizontal	69	269	See Nelson T14106
865	Fleetguard T14110B	Vertical	421	269	See Nelson T14110B
866	Fleetguard T14116	Horizontal	51	270	See Nelson T14116
867	Fleetguard T14123	Horizontal	99	270	See Nelson T14123
868	Fleetguard T14125	Inverted	50	270	See Nelson T14125
869	Fleetguard T14214	Horizontal	153		See Nelson T14214
870	Fleetguard T14217	Horizontal	183	270	See Nelson T14217
871	Fleetguard T14219	Vertical	300	270	See Nelson T14219
872	Fleetguard T14220	Vertical	683	270	See Nelson T14220
873	Fleetguard T14222	Vertical	225	271	See Nelson T14222
874	Fleetguard T14223	Horizontal	150	271	See Nelson T14223
875	Fleetguard T14224	Vertical	170	271	See Nelson T14224
876	Fleetguard T14315	Inverted	68	271	See Nelson T14315
877	Fleetguard T14316	Horizontal	74	271	See Nelson T14316
878	Fleetguard T14321	Inverted	25	271	See Nelson T14321

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
879	Fleetguard T14327	Vertical	505		See Nelson T14327
880	Fleetguard T14334	Horizontal	543	271	See Nelson T14334
881	Fleetguard T14382	Horizontal	520	272	See Nelson T14382
882	Fleetguard T14390	Vertical	111	272	See Nelson T14390
883	Fleetguard T14402	Horizontal	147		See Nelson T14402
884	Fleetguard T14403	Horizontal	155	272	See Nelson T14403
885	Fleetguard T14406	Horizontal	69	272	See Nelson T14406
886	Fleetguard T14415	Vertical	205	272	See Nelson T14415
887	Fleetguard T14425	Horizontal	99	272	See Nelson T14425
888	Fleetguard T14529	Vertical	275	273	See Nelson T14529
889	Fleetguard T14630	Horizontal	240	273	See Nelson T14630
890	Fleetguard T14631	Vertical	315	273	See Nelson T14631
891	Fleetguard T14671	Horizontal	147	273	See Nelson T14671
892	Fleetguard T14688	Horizontal	75	273	See Nelson T14688
893	Fleetguard T14754	Horizontal	261	273	See Nelson T14754
894	Fleetguard T14816	Horizontal	210	274	See Nelson T14816
895	Fleetguard T14853	Inverted	69	274	See Nelson T14853
896	Fleetguard T14907	Vertical	209	274	See Nelson T14907
897	Fleetguard T15077	Inverted	47	274	See Nelson T15077
898	Fleetguard T15078	Horizontal	48	274	See Nelson T15078
899	Fleetguard T15079	Horizontal	57	274	See Nelson T15079
900	Fleetguard T15080	Horizontal	67	275	See Nelson T15080
901	Fleetguard T15215	Horizontal	136	275	See Nelson T15215
902	Fleetguard T15341	Horizontal	92	275	See Nelson T15341
903	Fleetguard T15611	Horizontal	65	275	See Nelson T15611
904	Fleetguard T15688	Horizontal	513	275	See Nelson T15688
905	Fleetguard T15689	Horizontal	618	275	See Nelson T15689
906	Fleetguard T401	Multiple	300		See Nelson T401
907	Fleetguard T6277	Vertical	154	255	See Nelson T6277
908	Fleetguard T7033	Vertical	250	255	See Nelson T7033
909	Fleetguard T7359	Vertical	245	255	See Nelson T7359
910	Fleetguard T7515	Vertical	335	255	See Nelson T7515
911	Fleetguard T8680	Vertical	262	255	See Nelson T8680
912	Fleetguard T8714	Horizontal	417	255	See Nelson T8714

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
913	Fleetguard T9098	Horizontal	141	255	See Nelson T9098
914	Fleetguard T9099	Horizontal	194	255	See Nelson T9099
915	Fleetguard T9213	Vertical	204	256	See Nelson T9213
916	Fleetguard T9219	Vertical	164	256	See Nelson T9219
917	Fleetguard T9220	Vertical	170	256	See Nelson T9220
918	Fleetguard T9304	Vertical	438	256	See Nelson T9304
919	Fleetguard T9356	Vertical	450	256	See Nelson T9356
920	Fleetguard T9370	Vertical	198	256	See Nelson T9370
921	Fleetguard T9457	Horizontal	50	256	See Nelson T9457
922	Fleetguard T9458	Horizontal	50	257	See Nelson T9458
923	Fleetguard T9460	Horizontal	37	257	See Nelson T9460
924	Fleetguard T9489	Inverted	76	257	See Nelson T9489
925	Fleetguard T9605	Vertical	146	257	See Nelson T9605
926	Fleetguard T9932	Horizontal	415	257	See Nelson T9932
927	Fleetguard T9995	Vertical	31	257	See Nelson T9995
928	Fleetguard TC4 C400	Horizontal	66		See Nelson TC4 C400
929	Fleetguard TC4-5000	Horizontal	31		See Nelson TC4-5000
930	Fleetguard YMS660	Horizontal	75		See Nelson YMS660
931	Fleetguard YMS660A	Horizontal	114		See Nelson YMS660A
932	Fleetguard 201819	Horizontal	113		See Nelson (Fleetguard-Nelson) 201819
933	Fleetguard 201899	Horizontal	260		See Nelson (Fleetguard-Nelson) 201899
934	Fleetguard 201969	Horizontal	86		See Nelson 201969
935	Fleetguard 202287	Horizontal	259		See Nelson (Fleetguard-Nelson) 202287
936	Fleetguard 29520D and 200202C	Horizontal	85		See Nelson (Fleetguard-Nelson) 29520D and 200202C
937	Fleetguard NM 200378	Horizontal	314	252	See Nelson NM 200378
938	Fleetguard NM 201063	Horizontal	200	253	See Nelson NM 201063
939	Fleetguard NM 201073	Horizontal	718		See Nelson NM 201073
940	Fleetguard NM 201140	Horizontal	113	253	See Nelson NM 201140
941	Fleetguard NM 201200	Horizontal	555	253	See Nelson NM 201200
942	Fleetguard NM 201215	Vertical	236	253	See Nelson NM 201215
943	Fleetguard NM 201237	Vertical	248	253	See Nelson NM 201237
944	Fleetguard NM 201305	Horizontal	266	254	See Nelson NM 201305
945	Fleetguard NM 49025	Horizontal	151		See Nelson NM 49025
946	Fleetguard NM 49030	Multi	130		See Nelson NM 49030

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
947	Fleetguard NM 49030	Horizontal	169		See Nelson NM 49030
948	Fleetguard Q620546	Multiple	109	254	See Nelson (Fleetguard-Nelson) Q620546
949	Fleetguard-Burgess 20965	Horizontal	108	276	See Nelson-Burgess 20965
950	Fleetguard-Burgess 39616	Horizontal	323	277	See Nelson-Burgess 39616
951	Fleetguard-Burgess 17AE07	Vertical	213	276	See Nelson-Burgess 17AE07
952	Fleetguard-Burgess 17AE08	Vertical	227	276	See Nelson-Burgess 17AE08
953	Fleetguard-Burgess 17AE10	Vertical	219	276	See Nelson-Burgess 17AE10
954	Fleetguard-Burgess 17AE12	Vertical	226	276	See Nelson-Burgess 17AE12
955	Fleetguard-Burgess 17AE14	Vertical	258	276	See Nelson-Burgess 17AE14
956	FMFISDE Model 1000	Horizontal	186	137	~
957	FMFS3000	Multiple	299	137	Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650; Honda XR600; Honda XR400
958					
959	FMFS4000	Multiple	299		Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650; Honda XR600; Honda XR400. See FMF S3000
960					
961	FMFTDS-1	Horizontal	123	137	~
962	FMFTDS-2	Horizontal	123	137	~
963	FMFTru-Tec TDS-1	Horizontal	123		~
964	FMFTru-Tec TDS-2	Horizontal	123		~
965	FMF Racing 29222	Multiple	299		Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650; Honda XR600; Honda XR400
966					
967	FMF Racing 29304	Horizontal	95		~
968	FMF Racing CHM0302	Horizontal	124		~
969	FMF Racing DG01	Multiple	299		Used on Yamaha YZ400F; Suzuki DR400Z; Honda XR650; Honda XR600; Honda XR400. See FMF S3000
970					
971	FMF Racing S-2000	Multiple	178	137	~
972	FMF Racing S4000	Multiple	28		Screen type; marked as NM 293852
973	FMF Racing TC4-5000	Horizontal	124		~
974	FMF Racing TC4-C400	Horizontal	95	137	~
975	FMF Racing TC4-C400	Multiple	167	137	~
976	FMF Racing TDS-3	Horizontal	123	137	New cleanout and endcap
977	Forester 12x330	Vertical	1350	138	4 inch inlet
978	Four Stroke Works FourStrokeWorks	Multiple	516		Screen type spark arrester; see Stroker SX1
979	Fuji DY41	Multiple	63	138	Screen; 4-cycle; 8.5 hp or smaller
980	Fuji EG123	Multiple	28		Screen Type

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
981	Fuji EG124	Multiple	21	139	Screen type
982	Fuji EG125	Multiple	35		Screen type
983	Fuji EH09	Multiple	13		Screen Type
984	Fuji EH17	Multiple	29		Screen - 4 Cycle - 6 HP
985	Fuji EH25	Horizontal	41		Screen - 4-cycle - 8.5 hp or smaller
986	Fuji EH25	Multiple	41	138 139 139	Screen - 4-cycle - 8.5 hp or smaller
987	Fuji EH34	Horizontal	51		Screen - 4-cycle - 11.0 hp or smaller
988	Fuji EH41	Multiple	61		Screen Type
989	Fuji EH43	Multiple	1057		Screen - 4-cycle - 13 hp or smaller
990	Fuji EX13 (small)	Multiple	21		Screen type
991	Fuji EX13 (large)	Multiple	32	139	Screen Type
992	Fuji EX17 (small)	Multiple	28	139,140	Screen Type
993	Fuji EX21 (large)	Multiple	35	139,140	Screen type
994	Fuji EX21 (small)	Multiple	32	139,140	Screen Type
995	Fuji EX27 (Fuji)	Multiple	40	140	Screen Type
996	Fuji EY20	Horizontal	29	138	Screen - 4-cycle - 6.0 hp or smaller
997	Fuji EY20	Multiple	30	138	Screen - 4-cycle - 5 hp or smaller
998	Fuji EY20-STD	Multiple	31	138	Screen - 4-cycle - 5 hp or smaller
999	Fuji EY20V	Multiple	27	138	Screen - 4-cycle - 3.5 hp or smaller
1000	Fuji EY28	Multiple	41		Screen - 4-cycle - 5.5 hp or smaller
1001	Fuji EY35	Horizontal	58	139	Screen - 4-cycle - 10 hp or smaller
1002	Fuji EY40W	Horizontal	58	139	Screen - 4-cycle - 10 hp or smaller
1003	Fuji RGO-051	Multiple	12	140	Screen - 4-cycle - 1.2 hp or smaller
1004	Fuji RGO-120	Horizontal	22	140	Screen - 4-cycle - 3.3 hp or smaller
1005	Fuji Heavy Industries EX17 (large)	Multiple	40		Screen Type - 265 cc - 7.7 HP
1006	Generac 30699	Inverted	47		~
1007	Generac 31145	Inverted	24		~
1008	Generac 33232	Horizontal	43		See Nelson T-11606
1009	Generac 37924	Horizontal	50		NMC T-13304 approved as NMC T-9458
1010	Generac 37936	Inverted	21		~
1011	Generac 38560	Inverted	33		~
1012	Generac 39081	Inverted	18		~
1013	Generac 39247	Horizontal	50		NMC T-13304 approved as NMC T-9458
1014	Generac 43951	Inverted	68		~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1015	Generac 43952	Horizontal	74		~
1016	Generac 43953	Inverted	25		~
1017	Generac 72082	Multiple	22		Screen; 4-cycle; 3 hp or smaller
1018	Generac 72083	Multiple	32	141	Screen; 4-cycle; 5 hp or smaller
1019	Generac 72084	Multiple	48		Screen; 4-cycle; 8 hp or smaller
1020	Generac 72279	Multiple	48	142	Screen; 4-cycle; 8 hp or smaller
1021	Generac 72281	Multiple	22	141	Screen; 4-cycle; 3 hp or smaller
1022	Generac 75788	Multiple	22	142	Screen; 4-cycle; 3 hp or smaller
1023	Generac 83083	Multiple	30	142	Screen; 4-cycle; 6 hp or smaller
1024	Generac 83083	Multiple	54	142	Screen; 4-cycle; 13 hp or smaller
1025	Generac 89680	Multiple	36	142	Screen; 4-cycle; 7.8 hp or smaller
1026	Generac A7433	Multiple	63	141	~
1027	Generac C4289	Multiple	62	141	See C4423
1028	Generac C4423	Multiple	62	141	Engine ID# GH-410
1029	Generac C5602	Horizontal	30		See also Nelson 17112
1030	Generac EG126	Horizontal	30		See also Nelson 17112
1031	Generac EX17	Multiple	33		C6580 embossed on heat shield; 83083 embossed on screen housing
1032	Generac EX27	Multiple	33		C6580 embossed on heat shield; 83083 embossed on screen housing
1033	Generac EX27	Multiple	166		Screen type; 992 cc; 30 HP
1034	Generac OD5133	Multiple	166		Screen type; 992 cc; 30 HP
1035	Generac C6580	Multiple	33		C6580 embossed on heat shield; 83083 embossed on screen housing
1036	Generac Portable Products HC18321145	Horizontal	12		For 4 stroke 80 CC Mitsubishi engine
1037	Generac Portable Products SA-001	Horizontal	12		For 4 stroke 80 CC Mitsubishi engine
1038	Generac Power Systems HM HN8 A	Multiple	62		Engine ID # GH-410
1039	Generac Power Systems HS1251	Multiple	62		See C4423
1040	Gill 3C	Vertical	85	143	~
1041	Gill 3CIP	Horizontal	85	143	~
1042	Gill 3CModbyFS	Vertical	103	143	~
1043	Gill 4CIP	Horizontal	79	143	~
1044	Gill 5C20A	Inverted	185	143	~
1045	Gill 5C20A	Vertical &			
1045		Horizontal	240		~
1047	Gill 5C20B	Vertical &			
1048		Horizontal	257	143	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1049	Gill 5C23B	Vertical	255	143	~
1050	Gill 5C23B	Horizontal	355	143	~
1051	Gill 5C26B	Vertical	315	144	Discontinued
1052	Gill 5CV20	Vertical	268	144	~
1053	Gill 5CV23	Vertical	300	144	~
1054	Gill 5CV24	Vertical	300		~
1055	Gill 6C2030	Vertical &			
1056		Horizontal	527		12 inch inlet
1057	Gill 6C24	Vertical	540		Discontinued; 9 inch inlet
1058	Gill 6C24	Horizontal	601	144	12 inch inlet
1059	Gill 6C24	Vertical	615	144	12 inch inlet
1060	Gill 6C24	Inverted	680	144	12 inch inlet
1061	Gill 6C26	Horizontal	628		~
1062	Gill 6C26	Vertical	655		~
1063	Gill 6C30	Vertical &			
1064		Horizontal	625	144	~
1065	Gill 6C30	Inverted	665		~
1066	Gill 6C34	Vertical	660	144	~
1067	Gill 6C34	Horizontal	685	144	~
1068	Gill 6C34	Inverted	808	144	~
1069	Gill 6CV24	Vertical	720	144	~
1070	Gill 6CV26	Vertical	650	145	~
1071	Gill 6CV30	Vertical	600	145	~
1072	Gill 6CV34	Vertical	625	145	~
1073	Gill 8C40	Horizontal &			
1074		Inverted	1170	145	~
1075	Gill 8CV34	Vertical	800		~
1076	Gill 8CV40	Vertical	1285		~
1077	Gill 8CV50	Vertical	1405	145	~
1078	Gill 8CV60	Vertical	1466	145	~
1079	Gill GSF200	Vertical	355	145	~
1080	Gill GSF300	Vertical	675	145	Discontinued
1081	Gill GSF400	Vertical	1050	145	Discontinued
1082	Gill GSH200	Horizontal	340	145	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1083	Gill GSH300	Horizontal	730	146	Discontinued
1084	Gill GSO300	Vertical	1030	146	Discontinued
1085	Gilson 36742	Multiple	81		Screen; 4-cycle; 16 hp or smaller
1086	Gorman-Rupp 46211018	Multiple	84	147	Screen; 2-cycle; 10 hp or smaller
1087	Hale 108023002	Multiple	80	147	Screen; 4-cycle; 16 hp or smaller
1088	Hale 108023006	Multiple	80	147	Screen; 4-cycle; 16 hp or smaller. Is a modified 108-0230-02 for use on one cylinder of an engine. Elbow added/inlet.
1089					May be used on a round or oval stack
1090	Hapco 12AC12LP	Vertical	7000	148	~
1091	Hapco 1AA	Vertical	96	148	~
1092	Hapco 1AA SAM 13-18	Vertical	94	148	~
1093	Hapco 1AA XH	Horizontal	76	148	~
1094	Hapco 2AA	Vertical	167	148	~
1095	Hapco 2AA H	Horizontal	112	148	~
1096	Hapco 2AA SAM 24-112	Vertical	110	148	~
1097	Hapco 3AA	Vertical	205	149	~
1098	Hapco 3AA SAM 36-2	Vertical	174	149	~
1099	Hapco 3AA XH	Horizontal	258	149	Not qualified above 258
1100	Hapco 3H	Horizontal	200	149	Discontinued
1101	Hapco 4AA	Vertical	395	149	Discontinued
1102	Hapco 4AA H	Horizontal	417	149	~
1103	Hapco 4AA SAM 48-3	Vertical	317	149	~
1104	Hapco 4AA Step Design Top	Vertical	485		~
1105	Hapco 5AA	Vertical	705	149	~
1106	Hapco 5AA Altered 5A	Vertical	680	149	~
1107	Hapco 5AA H	Horizontal	620	150	~
1108	Hapco 5AA H SAM 59-3	Horizontal	527	150	~
1109	Hapco 5AA SAM 59-3	Vertical	466	150	~
1110	Hapco 5AA Step Design Top	Vertical	660		~
1111	Hapco 6A	Vertical	900	150	Discontinued
1112	Hapco 6AA	Vertical	717	150	4 inch outlet
1113	Hapco 6AA SAM 69-4	Vertical	678	150	~
1114	Hapco 6AAH	Horizontal	848	150	~
1115	Hapco 6AB	Vertical	1168	150	5 inch outlet
1116	Hapco 6H	Vertical	900	150	Discontinued

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1117	Hapco 7A	Vertical	1410	151	Discontinued
1118	Hapco 7AB	Vertical	1555	151	~
1119	Hapco 7AC	Vertical	1210	151	Modified 7AB
1120	Hapco 7AC1	Vertical	1801	151	~
1121	Hapco 7AC1	Horizontal	1944	151	~
1122	Hapco 7H	Vertical	1410	151	Discontinued
1123	Hapco 8AB	Vertical	2930	151	~
1124	Hapco SAM 712	Vertical	1555	151	7AB w/muffler section added
1125	Hapco SASR 36-H 3AAXH	Horizontal	172	151	3AAXH w/muffler section added
1126	Hapco SASR 48	Vertical	200	152	~
1127	Hapco SASR 48-H	Horizontal	252	152	~
1128	Hapco SASR 559	Vertical	880	152	~
1129	Hapco SASR 59	Vertical	393	152	Inlet may be offset 2 inches
1130	Hapco SASR 69-H	Horizontal	454	152	6AAH w/muffler section added
1131	Harley-Davidson 6523475P	Horizontal	24	153	~
1132	Harley-Davidson 6524175P	Horizontal	24	153	~
1133	Harley-Davidson 6546375P	Horizontal	24	153	~
1134	Harley-Davidson-Krizman HD1	Horizontal	24		~
1135	Harley-Davidson-Krizman HD2	Horizontal	24		~
1136	Harley-Davidson-Krizman HD3	Horizontal	24		~
1137	Harley-Davidson-Krizman KS400	Horizontal	49		~
1138	Her Chee 18300-152	Multiple	29		Used on Bombardier
1139	Her Chee 18300-169	Multiple	77	153	Screen Type
1140	Her Chee 18300-197	Multiple	47	153	Screen Type
1141	Her Chee HS2502	Multiple	29		Used on Bombardier
1142	Her Chee HS4002	Multiple	28		Screen type
1143	Her Chee 18321-145	Multiple	28		Screen type
1144	HMF Engineering HMF1	Multiple	263		Screen type; for 700 cc or smaller
1145	Hodaka Ace 90D	Horizontal	26	154	Not qualified above 26
1146	Hodaka-Krizman Ace 100	Horizontal	24	154	~
1147	Honda 72	Horizontal	25	154	Not qualified above 25
1148	Honda 113	Horizontal	6	154	~
1149	Honda 175	Horizontal	18	155	~
1150	Honda 200	Horizontal	14	155	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1151	Honda 405	Horizontal	21	155	~
1152	Honda 408	Horizontal	32	155	~
1153	Honda 503	Horizontal	47	155	~
1154	Honda 1063	Horizontal	12	155	~
1155	Honda 405A	Horizontal	21	155	~
1156	Honda E300	Horizontal	10	156	Not qualified above 10
1157	Honda E400	Horizontal	25	156	~
1158	Honda E600	Horizontal	14	156	~
1159	Honda HM GCF A1	Horizontal	25	156	Screen; 4-cycle; 4.72 hp
1160	Honda HM HN1 A1	Multiple	117	156	~
1161	Honda HM HN2 A1	Multiple	136	156	Screen type
1162	Honda HM HN6 A2	Multiple	67	156	Screen Type
1163	Honda HM HN8 A2	Multiple	170	157	Screen Type
1164	Honda HM HP0 A1	Multiple	119	157	~
1165	Honda HM HP1 A1	Multiple	141		Screen Type
1166	Honda HM HP1 A2	Multiple	141	157	Screen Type
1167	Honda HM HP2 A1	Horizontal	77	158	~
1168	Honda HM KCE A1	Horizontal	74	158	Screen type; 4-cycle; 22.4 hp or smaller
1169	Honda HM KCY A1	Multiple	116	158	~
1170	Honda HM KCY A2	Multiple	125	158	Screen; 4 Cycle; 34.6 hp
1171	Honda HM KN4 A1	Multiple	39		Used on XR100R & XR80R
1172	Honda HM KSC A1	Multiple	94	159	Screen type
1173	Honda HM KV6 A1	Horizontal	51	159	Modified Honda Krizman 508
1174	Honda HM MEY A1	Multiple	141	159	~
1175	Honda HM MY6 A1	Horizontal	55		~
1176	Honda HS-400-3	Multiple	68		Screen type; used on TRX250EX
1177	Honda HS-400-3	Multiple	163		Screen type; 36 HP or smaller engine
1178	Honda HS-500-2	Multiple	75		Screen type; 19 HP or smaller engine
1179	Honda KPS A1	Multiple	75		Screen type; 19 HP or smaller engine; See also Y784-07
1180	Honda NLZ	Multiple	160		Screen Type
1181	Honda S-350	Multiple	22	159	Screen; 4-cycle; 3.5 hp or smaller
1182	Honda S-351	Multiple	22	159	Screen; 4-cycle; 3.2 hp or smaller
1183	Honda S-352	Multiple	62	159	Screen; 4-cycle; 10 hp or smaller
1184	Honda S-353	Multiple	65	159	Screen; 4-cycle; 11 hp or smaller

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1185	Honda S-354	Multiple	30	160	Screen; 4-cycle; 5.5 hp or smaller
1186	Honda S-355	Multiple	9	161	Screen; 4-cycle; 1.3 hp or smaller
1187	Honda S-356	Multiple	30	161	Screen; 4-cycle; 5 hp or smaller
1188	Honda S-356A	Multiple	30	161	Screen; 4-cycle; 5 hp or smaller
1189	Honda S-357	Multiple	62	161	Screen; 4-cycle; 11 hp or smaller
1190	Honda S-358	Multiple	15	162	Screen; 4-cycle; 2.2 hp or smaller
1191	Honda S-359	Multiple	25	163	Screen; 4-cycle; 5.5 hp or smaller
1192	Honda S-359	Multiple	30	163	Screen; 4-cycle; 10 hp or smaller
1193	Honda S-360	Multiple	62	163	Screen; 4-cycle; 12 hp or smaller
1194	Honda S-361	Multiple	54	163	Screen; 4-cycle; 14 hp or smaller
1195	Honda S-361	Multiple	96	163	Screen; 4-cycle; 18 hp or smaller
1196	Honda S-361A	Multiple	54	163	Screen; 4-cycle; 13 hp or smaller
1197	Honda S-361A	Multiple	59	163	Screen; 4 cycle; 13 hp (new Muffler)
1198	Honda S-362	Multiple	25	163	Screen; 4-cycle; 5.5 hp or smaller
1199	Honda S-363	Multiple	25	164	Screen; 4-cycle; 5.5 hp or smaller
1200	Honda S-364	Multiple	41	164	Screen; 4-cycle; 9 hp or smaller
1201	Honda S-365	Multiple	51	164	Screen; 4-cycle; 11 hp or smaller
1202	Honda S-365	Multiple	59	164	Screen; 4-cycle; 13 hp (increased hp)
1203	Honda S-365A	Multiple	59	164	Screen; 4-cycle; 13 hp or smaller
1204	Honda S-366	Multiple	51	165	Screen; 4-cycle; 11 hp or smaller
1205	Honda S-366A	Multiple	59	165	Screen; 4-cycle; 13 hp or smaller
1206	Honda S-366B	Multiple	110	165	Screen in each exhaust port; 4cly; 22 hp
1207	Honda S-367	Multiple	13	165	Screen; 2-cycle; 0.9 hp or smaller
1208	Honda S-368	Multiple	62	165	Screen; 4-cycle; 9 hp or smaller
1209	Honda S-415	Multiple	30	165	Screen type
1210	Honda S-416	Multiple	9.2		~
1211	Honda S-417	Multiple	24	166	Screen; 4-cycle; 4.1 hp
1212	Honda S-418	Multiple	15	166	~
1213	Honda S-420	Multiple	7	167	Screen type
1214	Honda S-422	Multiple	66	167	Screen Type
1215	Honda HM HN6 A1	Multiple	68		Screen type; used on TRX250EX
1216	Honda HM HN8 A1	Multiple	163		Screen type; 36 HP or smaller engine
1217	Honda HM MBN A1	Multiple	177		Screen type; Honda XR650R
1218	Honda-Fleetguard 23066	Horizontal	64		See Honda-Nelson 23066

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1219	Honda-Fleetguard 23930	Horizontal	65		See Honda-Nelson 23930
1220	Honda-Fleetguard 24075	Horizontal	52		See Honda-Nelson 24075
1221	Honda-Fleetguard 26296	Horizontal	75		See Honda-Nelson 26296
1222	Honda-Fleetguard 29203	Horizontal	75		See Honda-Nelson 29203
1223	Honda-Fleetguard 29625	Horizontal	59		See Honda-Nelson 29625
1224	Honda-Fleetguard 29824	Multiple	188		See Honda-Nelson 29824
1225	Honda-Fleetguard 200986	Horizontal	75		See Honda-Nelson 200986
1226	Honda-Fleetguard 201950	Horizontal	67		See Honda-Nelson 201950
1227	Honda-Fleetguard 202702	Horizontal	75		See Honda-Nelson 202702
1228	Honda-Fleetguard HS-500-2	Horizontal	75		See Honda-Nelson HS-500-2
1229	Honda-Krizman 103	Horizontal	18	168	~
1230	Honda-Krizman 104	Horizontal	27	168	Not qualified above 27
1231	Honda-Krizman 105	Horizontal	27	168	~
1232	Honda-Krizman 106	Horizontal	12	168	~
1233	Honda-Krizman 107	Horizontal	27	168	~
1234	Honda-Krizman 108	Horizontal	16	168	~
1235	Honda-Krizman 109	Horizontal	42	169	~
1236	Honda-Krizman 111	Horizontal	27	169	~
1237	Honda-Krizman 112	Horizontal	18	169	~
1238	Honda-Krizman 115	Horizontal	19	169	~
1239	Honda-Krizman 116	Horizontal	15	169	~
1240	Honda-Krizman 203	Horizontal	27	170	~
1241	Honda-Krizman 204	Horizontal	27	170	~
1242	Honda-Krizman 205	Horizontal	27	170	~
1243	Honda-Krizman 206	Horizontal	27	170	~
1244	Honda-Krizman 207	Horizontal	20	170	~
1245	Honda-Krizman 209	Horizontal	27	170	~
1246	Honda-Krizman 210	Horizontal	35	171	~
1247	Honda-Krizman 300	Horizontal	27	171	~
1248	Honda-Krizman 301	Horizontal	22	171	~
1249	Honda-Krizman 302	Horizontal	27		~
1250	Honda-Krizman 303	Horizontal	31	171	~
1251	Honda-Krizman 304	Horizontal	46	171	~
1252	Honda-Krizman 305	Horizontal	33	172	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1253	Honda-Krizman 306	Horizontal	38	172	~
1254	Honda-Krizman 400	Horizontal	42	172	~
1255	Honda-Krizman 401	Horizontal	42	172	~
1256	Honda-Krizman 402	Horizontal	33	172	~
1257	Honda-Krizman 404	Horizontal	42	172	~
1258	Honda-Krizman 406	Horizontal	48	173	~
1259	Honda-Krizman 407	Horizontal	80	173	~
1260	Honda-Krizman 409	Horizontal	69	173	~
1261	Honda-Krizman 410	Horizontal	70	173	~
1262	Honda-Krizman 411	Horizontal	86	173	~
1263	Honda-Krizman 412	Horizontal	87	174	~
1264	Honda-Krizman 413	Horizontal	66	174	~
1265	Honda-Krizman 500	Horizontal	42	174	With or without heat shield
1266	Honda-Krizman 501	Horizontal	78	174	~
1267	Honda-Krizman 502	Horizontal	36	174	~
1268	Honda-Krizman 504	Horizontal	85	174	~
1269	Honda-Krizman 505	Horizontal	46	175	~
1270	Honda-Krizman 506	Horizontal	111	175	~
1271	Honda-Krizman 507	Horizontal	58	175	~
1272	Honda-Krizman 508	Horizontal	60	175	With diffuser
1273	Honda-Krizman 508	Horizontal	79	175	508 installed in a new muffler
1274	Honda-Krizman 508	Horizontal	97	175	With curved outlet
1275	Honda-Krizman 508	Horizontal	97	175	508 in a muffler shell
1276	Honda-Krizman 508	Horizontal	102	175	~
1277	Honda-Krizman 508	Horizontal	153	175	Diffuser fixing screws must be in place
1278	Honda-Krizman 509	Horizontal	53	175	~
1279	Honda-Krizman 600	Horizontal	26	175	~
1280	Honda-Krizman 601	Horizontal	48	175	~
1281	Honda-Krizman 700	Horizontal	52	175	~
1282	Honda-Krizman 701	Horizontal	25	176	With diffuser
1283	Honda-Krizman 701	Horizontal	281	176	Diffuser fixing screws must be in place
1284	Honda-Krizman 409A	Horizontal	71		Modified 409
1285	Honda-Nelson 23066	Horizontal	64		~
1286	Honda-Nelson 23930	Horizontal	65		Modified Honda Nelson 23066

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1287	Honda-Nelson 24075	Horizontal	52	176	~
1288	Honda-Nelson 26296	Horizontal	75		~
1289	Honda-Nelson 29203	Horizontal	75		See Honda-Nelson 26296
1290	Honda-Nelson 29625	Horizontal	59		~
1291	Honda-Nelson 29824	Multiple	188		~
1292	Honda-Nelson 200986	Horizontal	75	176	See Honda-Nelson 26296
1293	Honda-Nelson 201950	Horizontal	67	176	~
1294	Honda-Nelson 202702	Horizontal	75	176	See Honda-Nelson 26296
1295	Honda-Nelson HS-500-2	Horizontal	75		See Honda-Nelson 26296
1296	Hooker 26281	Multiple	230	177	Screen; 2-cycle; 44 hp or smaller
1297	Hooker 26282	Multiple	192	177	Screen; 2-cycle; 30 hp or smaller
1298	Hooker 26283	Multiple	114	177	Screen; 2-cycle; 15.6 hp or smaller
1299	Horstman-Krizman HE	Horizontal	27	177	Types A through E provide various inlet dimensions and shapes.
1300	Husqvarna F15-1041	Horizontal	94	178	~
1301	Husqvarna-Krizman KS 500D	Horizontal	91	178	~
1302	Hutchins-Freflo No. 1	Horizontal	135	178	~
1303	IHC 1275835C1	Vertical	405		See Nelson 19853
1304	IHC 561217C92	Vertical	485		~
1305	IHC 563507C91	Vertical	380		~
1306	IHC 677817R91	Vertical	176		~
1307	IHC 70769C1	Vertical	305		~
1308	IHC 829176C91	Inverted	178		~
1309	IHC 829640C91	Inverted	213		~
1310	International Merchandising Service (IMS) GG	Horizontal	26	179	~
1311	J & R Answer (see "Answer (J&R)")	~	~		~
1312	J & R Krizman KS 350	Horizontal	58	179	~
1313	J & R Krizman KS 500 A	Horizontal	104	179	~
1314	J & R Krizman KS 500 C	Horizontal	86	179	~
1315	J & R Krizman KS 650	Horizontal	186	179	~
1316	J & R Krizman KS 650 A	Horizontal	63	180	~
1317	J & R Krizman KS 650 C	Horizontal	63		KS-650A in an oval muffler
1318	J & R Krizman KS 650 V	Vertical	180	180	~
1319	J & R Krizman KS 650-0	Horizontal	74	179	~
1320	J & R Krizman KS 800	Horizontal	122	180	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1321	J.G. Minter & Sons M2000	Multiple	44	180	Screen Type
1322	John Deere AH75693	Horizontal	213		~
1323	John Deere AH75694	Horizontal	348		~
1324	John Deere AH75695	Horizontal	394		~
1325	John Deere AH80388	Vertical	382		~
1326	John Deere AH84965	Horizontal	505		~
1327	John Deere AH87289	Horizontal	324		~
1328	John Deere AT32701	Vertical	148		~
1329	John Deere AT33686	Horizontal	148		~
1330	Joker Machine JM1121	Multiple	151	181	~
1331	K.C.F.D. 1	Horizontal	65		See CEDCO Primer-Arrester No. 1
1332	Kawasaki 3951	Multiple	20	182	Screen; 4-cycle; 3.2 hp or smaller
1333	Kawasaki 3951	Horizontal	32	182	~
1334	Kawasaki 3952	Horizontal	32	182	Screen; 4-cycle; 7.5 hp or smaller
1335	Kawasaki 3964	Multiple	46	182	Screen; 4-cycle; 7.5 hp or smaller
1336	Kawasaki 3965	Multiple	46	182	~
1337	Kawasaki 3966	Multiple	46	182	~
1338	Kawasaki 18077-2110	Multiple	22		~
1339	Kawasaki 18077-7004	Multiple	25		Screen Type
1340	Kawasaki 3952A	Multiple	20		Screen; 4-cycle; 7.5 hp or smaller
1341	Kawasaki DX 200	Horizontal	32	182	~
1342	Kawasaki DX 250D	Horizontal	79	182	Angled muffler; arrester horizontal
1343	Kawasaki FA 130D	Multiple	20	183	Screen; 4-cycle; 2.6 hp or smaller
1344	Kawasaki FA 210D	Multiple	30	183	Screen; 4-cycle; 4.5 hp or smaller
1345	Kawasaki FA 76D	Multiple	12	182	Screen; 4-cycle; 1.4 hp or smaller
1346	Kawasaki FE 170D	Multiple	29		Screen type
1347	Kawasaki FE 290D	Multiple	43	183	Screen; 4-cycle; 9 hp or smaller
1348	Kawasaki FG 200D	Multiple	49	183	Screen; 4-cycle; 6.8 hp or smaller
1349	Kawasaki FG 300D	Multiple	49	183	Screen; 4-cycle; 6.8 hp or smaller
1350	Kawasaki JPS1	Multiple	33		For the KLX-110 motorcycle
1351	Kawasaki K LX250D	Horizontal	17	186	~
1352	Kawasaki KD 080N2	Horizontal	21	183	~
1353	Kawasaki KF 150	Multiple	88	184	Screen; 4-cycle; 14 hp or smaller
1354	Kawasaki KG 4000	Multiple	51	184	Screen; 4-cycle; 8.2 hp or smaller

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1355	Kawasaki KG 5000	Multiple	60	184	Screen; 4-cycle; 10 hp or smaller
1356	Kawasaki KG 550	Horizontal	22		~
1357	Kawasaki KHI AF400	Horizontal	58	184	~
1358	Kawasaki KHI DX200H	Horizontal	62	184	~
1359	Kawasaki KHI KL250	Horizontal	42		~
1360	Kawasaki KHI LF400	Horizontal	38		Removable outlet tube; 2 cleanout plugs
1361	Kawasaki KHI LX110 (Kawasaki)	Multiple	33		For the KLX-110 motorcycle
1362	Kawasaki KHI LX250H	Horizontal	39	185	~
1363	Kawasaki KHI LX650	Horizontal	19	185	~
1364	Kawasaki KHI LX650C	Horizontal	62	185	~
1365	Kawasaki KHI VF750	Horizontal	90	186	~
1366	Kawasaki KL 250G	10° Horizontal	46		~
1367	Kawasaki X171	Multiple	12	186	Screen; 4-cycle; 1.7 hp or smaller
1368	Kawasaki X171A	Multiple	12	187	Screen; 4-cycle; 1.7 hp or smaller
1369	Kawasaki LX450A	Multiple	141	185	Screen Type
1370	Kawasaki SF450	Multiple	141	186	Screen Type
1371	Kawasaki-Krizman DX 200	Horizontal	78		~
1372	Kawasaki-Krizman DX 250	Horizontal	73	187	~
1373	Kawasaki-Krizman KD 400	Horizontal	42	187	~
1374	Kawasaki-Krizman KG 250	Horizontal	18	188	~
1375	Kawasaki-Krizman KG 250A	Horizontal	23	188	~
1376	Kawasaki-Krizman KG 250C	Horizontal	91	188	~
1377	Kawasaki-Krizman KHI KE250B	Horizontal	45	188	~
1378	Kawasaki-Krizman KHI KL6	Horizontal	70		~
1379	Kawasaki-Krizman KS250	Horizontal	27	188	See Suzuki-Krizman KS-250
1380	Kawasaki-Krizman KS-350-KHI-DX080A	Horizontal	46	188	~
1381	Kawasaki-Krizman KS-350-KHI-DX080C	Horizontal	34	189	~
1382	Kawasaki-Krizman KS-350-KHI-DX080C1	Horizontal	23	189	~
1383	Kawasaki-Krizman KS-500-KDX175	Horizontal	49	189	~
1384	Kawasaki-Krizman KS-500-KHI-DX200A	Horizontal	64	189	~
1385	Kawasaki-Krizman KS-500-KHI-DX200C	Horizontal	61	189	~
1386	Kawasaki-Krizman KS-500-KHI-KL600	Horizontal	28	189	~
1387	Kawasaki-Krizman KS-500-KHI-KL65	Horizontal	60	189	~
1388	Kawasaki-Krizman KS-500-KHI-KSF250	Horizontal	38	189	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1389	Kawasaki-Krizman	KS-500-KHI-LF110	Horizontal	27	190	~
1390	Kawasaki-Krizman	KS-500-KHI-LF220	Horizontal	44	190	~
1391	Kawasaki-Krizman	KS-500-KHI-LF300C	Horizontal	44	190	~
1392	Kawasaki-Krizman	KS-500-KHI-LT110A	Horizontal	27	190	~
1394	Kawasaki-Krizman	KS-500-KHI-LT160	Horizontal	27	190	See KHI LT110A
1395	Kawasaki-Krizman	KS-500-KHI-LT200A	Horizontal	48	190	See DX200A
1396	Kawasaki-Krizman	KS-500-KHI-LT250A	Horizontal	50	190	~
1397	Kawasaki-Krizman	KS-500-KHI-XT250	Horizontal	70	190	~
1398	Kawasaki-Krizman	KS-500-KHI-XT250B2	Horizontal	65	190	~
1399	Kawasaki-Krizman	YS 80	Horizontal	24	190	~
1400	Keen Perceptions Industries	AA06-800-00 YXL	Multiple	50		Uses a double screen
1401	Keen Perceptions Industries	JPS2	Multiple	50		Uses a double screen
1402	Kerker-Krizman	KS650K	Horizontal	187	191	~
1403	Kittell	1010HT	Vertical	500	193	~
1404	Kittell	3510SA114	Horizontal	60	193	~
1405	Kittell	S112A	Vertical	146	191	~
1406	Kittell	S212A	Vertical	370	191	~
1407	Kittell	S2A	Vertical	150	191	~
1408	Kittell	S3	Vertical	415	191	~
1409	Kittell	S3A	Vertical	468	192	~
1420	Kittell	S4	Vertical	935	192	~
1421	Kittell	S4A	Vertical	1008	192	~
1422	Kittell	S5	Vertical	1100	192	~
1423	Kittell	S5A	Vertical	1150	192	Not qualified above 1;150
1424	Kittell	ST112	Vertical	136		~
1425	Kittell	ST2	Vertical	211	192	~
1426	Kittell	ST212	Vertical	406	192	~
1427	Kittell	ST3	Vertical	497	192	~
1428	Kittell	ST312	Vertical	616	192	~
1429	Kittell	ST4	Vertical	960	193	~
1430	Kittell	ST5	Vertical	1312	193	~
1431	Kohler	228173	Inverted	27		See Nelson 20788
1432	Kohler	228218	Multiple	30	193	Screen; 4-cycle; 4 hp or smaller
1433	Kohler	239724	Horizontal	43	193	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1434	Kohler 278189	Horizontal	40	194	Modified Kohler 278223
1435	Kohler 278218	Horizontal	40	194	~
1436	Kohler 278223	Inverted	40	194	~
1437	Kohler 278224	Inverted	44	194	~
1437	Kohler 278232	Horizontal	40	194	Modified Kohler 278223
1439	Kohler 278402	Horizontal	44	194	Modified Kohler 278224; Body/arrester Horizontal
1440	Kohler 278403	Horizontal	44	194	Modified Kohler 278224; Body/arrester Horizontal
1441	Kohler 278416	Horizontal	40	194	Modified Kohler 278224; Body/arrester Horizontal
1442	Krizman 115H34B	Horizontal	21	195	Not qualified above 21 Models that lack the letter B are not qualified
1443	Krizman KS650A	Horizontal	63	195	See J&R Krizman KS-650A
1444	Krizman TH100 or TH100M	Horizontal	22	195	~
1445	Krizman VH1	Horizontal	92	195	~
1446	Krizman VH11	Horizontal	186	195	~
1447	Krizman-Maico KS5002502850501	Horizontal			~
1448	KSI-WIS-Krizman KS650K	Horizontal	69		Modified Krizman KS-650-0
1449	KTM K-300	Horizontal	65	195	~
1450	KTM K-620	Horizontal	83	195	See KTM K-300
1451	KTM VBK 950 Adv	Horizontal	315		CAT Type; sealed unit
1452	Kubota 8501A	Horizontal	83	196	~
1452	Kubota 8502C	Multiple	20	196	Screen; 4-cycle; 3.4 hp or smaller
1454	Kubota 8503C	Multiple	21	196	Screen; 4-cycle; 5.2 hp or smaller
1455	Kubota 8504C	Multiple	32	196	Screen; 4-cycle; 7.4 hp or smaller
1456	Kubota 8505B	Multiple	43	196	Screen; 4-cycle; 4.0 hp or smaller
1457	Kubota 8906A	Multiple	30	196	Screen; 4-cycle; 7.87 hp or smaller
1458	Kubota 8907A	Multiple	59	197	Screen; 4-cycle; 6.08 hp or smaller
1459	Kubota 8908A	Multiple	37	197	Screen; 4-cycle; 8.9 hp or smaller
1460	Kubota 8909A	Multiple	49	197	Screen; 4-cycle; 6.6 hp or smaller
1461	Kubota 8910A	Multiple	41		Screen; 4-cycle; 1.15 hp or smaller
1462	Kubota 9001B	Multiple	13	197	Screen; 4-cycle; 8.9 hp or smaller
1463	Kubota K 7561-8311	Horizontal	119		~
1464	Kubota TUV01A	Multiple	130	197	Screen Type
1465	KYMCO LBA7	Multiple	68	197	~
1466	KYMCO LBD3	Multiple	26	198	~
1467	KYMCO LBD4	Multiple	27	198	Also identified as PWA6

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
1468	KYMCO LDB5	Multiple	167		~
1469	KYMCO LLB1	Multiple	54	198	~
1470	KYMCO PWA6	Multiple	27	198	Also identified as LBD4
1471	Ligne Racing / CRD Absolute LR #7803	Multiple	176		Screen type
1472	Ligne Racing / CRD Absolute Performance 2	Multiple	176		Screen Type
1473	Looney Tuned Exhaust LT4-2004	Multiple	199		Screen Type
1474	LRDPro4Series	Multiple	179	198	~
1475	M4 Products OFF-ROAD	Multiple	424		Screen type used on Honda CRF450R & 250R; KTM 450 & 250; Yamaha YZF250; 426; and 450; Suzuki DRZ400. Honda ATV 400EX; Suzuki ATV LTZ400; and Yamaha 600 Raptor ATV.
1476					
1477					
1478	Magnum Racing KS-250-1 for LTA50	Horizontal	354		~
1479	Magnum Racing KS800M2	Horizontal	354		~
1480	Magnum-Krizman KHI LX110	Horizontal	63		See J& R Krizman KS 650A
1481	Magnum-Krizman KS650A	Horizontal	60	199	See J&R Krizman 650A
1482	Magnum-Krizman KS650M	Horizontal	90		~
1483	Magnum-Krizman KS650A	Horizontal	63		See J&R Krizman KS 650A
1484	Maremont 4305	Horizontal	63		~
1485	Maremont 4305	Vertical	273		~
1486	Maremont 4306	Horizontal	296		~
1487	Maremont 4306	Vertical	436		~
1488	Maremont 4307	Horizontal	597		~
1489	Maremont 4307	Vertical	644		~
1490	Maremont 4308	Horizontal	842		~
1491	Maremont 4308	Vertical	881		~
1492	Maremont 4604	Horizontal	1177		~
1493	Maremont 4604	Vertical	1200		~
1494	Maremont 4605	Horizontal	1630		~
1495	Maremont 4605	Vertical	1670		~
1496	Maxim 2MSA1	Horizontal	218	200	~
1497	McCulloch MPP 1500E	Multiple	21	200	Screen; 4-cycle; 2.7 hp or smaller
1498	McCulloch MPP 2300E	Multiple	30	200	Screen; 4-cycle; 5.5 hp or smaller
1499	McCulloch MPP 3500E	Multiple	42	200	Screen; 4-cycle; 5.5 hp or smaller
1500	McCulloch MPP 600E or 800E	Multiple	12	200	Screen; 4-cycle; 1.4 hp or smaller
1501	Murphy Muffler MM3S25	Multiple	240	201	Screen; 2-cycle; 29.4 hp or smaller

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1502	Muzzys Performance Products	KS650A	Multiple	207	200	18" long; 4" Aluminum body; external inlet tube
1503	Muzzys Performance Products	KS800M2	Multiple	207	200	14" long; 3" Aluminum body; external inlet tube
1504	Muzzys Performance Products	M050243	Multiple	207	200	14" long; 3" Aluminum body; internal inlet tube
1505	Muzzys Performance Products	M065154	Horizontal	311	200	~
1506	Muzzys Performance Products	MZ0010	Multiple	207	200	14" long; 4" Aluminum body; external inlet tube
1507	Muzzys Performance Products	MZ0011	Multiple	207	200	16" long; 4" Aluminum body; external inlet tube
1508	Muzzys Performance Products	MZ0012	Multiple	207	200	18" long; 4" Aluminum body; external inlet tube
1509	Muzzys Performance Products	MZ0012	Multiple	207	200	16" long; 3" Aluminum body; internal inlet tube
1510	Muzzys Performance Products	MZ0013	Multiple	207	200	14" long; 3" Aluminum body; external inlet tube
1511	Muzzys Performance Products	MZ0013	Multiple	207	200	14" long; 4" Aluminum body; internal inlet tube
1512	Muzzys Performance Products	MZ0014	Multiple	207	200	16" long; 3" Aluminum body; external inlet tube
1513	Muzzys Performance Products	MZ0015	Multiple	207	200	18" long; 3" Aluminum body; external inlet tube
1514	Muzzys Performance Products	MZ0016	Multiple	207	200	14" long; 3" Aluminum body; internal inlet tube
1515	Muzzys Performance Products	MZ0016	Multiple	207	200	16" long; 4" Aluminum body; internal inlet tube
1516	Muzzys Performance Products	MZ0017	Multiple	207	200	16" long; 3" Aluminum body; internal inlet tube
1517	Muzzys Performance Products	MZ0017	Multiple	207	200	14" long; Oval Titanium body; internal inlet tube
1518	Muzzys Performance Products	MZ0018	Multiple	207	200	18" long; 3" Aluminum body; internal inlet tube
1519	Muzzys Performance Products	MZ0019	Multiple	207	200	14" long; 4" Aluminum body; internal inlet tube
1520	Muzzys Performance Products	MZ0019	Multiple	207	200	18" long; Oval Titanium body; internal inlet tube
1521	Muzzys Performance Products	MZ0020	Multiple	207	200	16" long; 4" Aluminum body; intern inlet tube
1522	Muzzys Performance Products	MZ0020	Multiple	207	200	14" long; Oval Titanium body; external inlet tube
1523	Muzzys Performance Products	MZ0021	Multiple	207	200	18" long; 4" Aluminum body; internal inlet tube
1524	Muzzys Performance Products	MZ0022	Multiple	207	200	14" long; Oval Titanium body; internal inlet tube
1525	Muzzys Performance Products	MZ0022	Multiple	207	200	14" long; 4" Aluminum body; external inlet tube
1526	Muzzys Performance Products	MZ0023	Multiple	207	200	16" long; Oval Titanium body; internal inlet tube
1527	Muzzys Performance Products	MZ0024	Multiple	207	200	18" long; Oval Titanium body; internal inlet tube
1528	Muzzys Performance Products	MZ0024	Multiple	207	200	16" long; 4" Aluminum body; external inlet tube
1529	Muzzys Performance Products	MZ0025	Multiple	207	200	14" long; Oval Titanium body; external inlet tube
1530	Muzzys Performance Products	MZ0025	Multiple	207	200	16" long; 3" Aluminum body; external inlet tube
1531	Muzzys Performance Products	MZ0026	Multiple	207	200	16" long; Oval Titanium body; external inlet tube
1532	Muzzys Performance Products	MZ0027	Multiple	207	200	18" long; Oval Titanium body; external inlet tube
1533	Muzzys Performance Products	NM 28533	Multiple	207	200	16" long; Oval Titanium body; internal inlet tube
1534	Muzzys Performance Products	NM 28533	Multiple	207	200	18" long; 4" Aluminum body; internal inlet tube
1535	Muzzys Performance Products	NM 29725	Multiple	207	200	18" long; 3" Aluminum body; external inlet tube

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1536	Muzzys Performance Products	NM 49028	Multiple	207	201	18" long; 3" Aluminum body; internal inlet tube
1537	Muzzys Performance Products	OD5133	Multiple	207	201	16" long; Oval Titanium body; external inlet tube
1538	Muzzys Performance Products	PC2100	Multiple	207	201	18" long; Oval Titanium body; external inlet tube
1539	Nelson	14110	Vertical	435	202	~
1540	Nelson	14113	Vertical	182	202	Body Horizontal
1541	Nelson	14217	Horizontal	186	202	~
1542	Nelson	14390	Vertical	111	202	~
1543	Nelson	14572	Horizontal	167	202	~
1544	Nelson	15514	Inverted	615	203	Two inlets; One outlet
1545	Nelson	15567	Inverted	35	203	~
1546	Nelson	15730	Horizontal	35	203	Modified T-14321
1547	Nelson	15731	Horizontal	42	203	~
1548	Nelson	15818	Vertical	112	203	~
1549	Nelson	15870	Inverted	99	203	Modified T-14123
1550	Nelson	15876	Vertical	348	204	~
1551	Nelson	15893	Inverted	42	204	See Onan 155-1520
1552	Nelson	15934	Horizontal	95	204	Body Horizontal
1553	Nelson	15935	Horizontal	71	204	Two inlets; One outlet. Body Horizontal
1554	Nelson	15982	Horizontal	63	204	Body Horizontal
1555	Nelson	16001	Vertical	750	204	~
1556	Nelson	16006	Horizontal	112	205	~
1557	Nelson	16011	Horizontal	50	205	~
1558	Nelson	16025	Vertical	196	205	Body Horizontal
1559	Nelson	16068	Horizontal	325	205	~
1560	Nelson	16152	Horizontal	148	205	Two inlets; One outlet. Body Horizontal
1561	Nelson	16170	Vertical	588	205	Two inlets; One outlet. Body Horizontal
1562	Nelson	16297	Horizontal	71	206	Body Horizontal
1563	Nelson	16300	Horizontal	81	206	Body Horizontal
1564	Nelson	16301	Horizontal	59	206	Body Horizontal
1565	Nelson	16302	Horizontal	150	206	~
1566	Nelson	16304	Horizontal	62	206	~
1567	Nelson	16361	Inverted	43	206	~
1568	Nelson	16362	Inverted	46	207	~
1569	Nelson	16460	Inverted	61	207	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1570	Nelson	16504	Vertical	640	207	~
1571	Nelson	16538	Vertical	282	207	~
1572	Nelson	16547	Vertical	194	207	Body Horizontal
1573	Nelson	16572	Horizontal	108	208	Two inlets; One outlet
1574	Nelson	16619	Inverted	105	208	Body Horizontal
1575	Nelson	16628	Horizontal	105	208	Two inlets; 36 outlet holes/Body Horizontal
1576	Nelson	16667	Inverted	35	208	Body Horizontal
1577	Nelson	16752	Vertical	75	208	Body Horizontal
1578	Nelson	16825	Horizontal	79	208	Body Horizontal
1579	Nelson	16828	Horizontal	87	209	Body Horizontal
1580	Nelson	16868	Horizontal	206	209	~
1581	Nelson	16888	Vertical	140	209	Body Horizontal
1582	Nelson	16909	Inverted	243	209	~
1583	Nelson	16932	Horizontal	160	209	Body Horizontal
1584	Nelson	16956	Horizontal	108	209	Body Horizontal
1585	Nelson	16986	Vertical	102	210	2 vertical inlets; 1 outlet/Body Horizontal
1586	Nelson	16988	Horizontal	116	210	Body Horizontal
1587	Nelson	16989	Horizontal	54	210	Not qualified above 54
1588	Nelson	16990	Vertical	100	210	Body Horizontal
1589	Nelson	17005	Vertical	558	210	Body Horizontal
1590	Nelson	17043	Horizontal	68	210	Body Horizontal
1591	Nelson	17088	Horizontal	57	211	Body Horizontal
1592	Nelson	17112	Inverted	31	211	~
1593	Nelson	17123	Vertical	192	211	Body Horizontal
1594	Nelson	17185	Inverted	170	211	Body Horizontal
1595	Nelson	17254	Horizontal	386	211	Body Horizontal
1596	Nelson	17318	Multiple	81	211	Adapter for Nelson 35347 screen assembly
1597	Nelson	17334	Horizontal	122	212	~
1598	Nelson	17371	Vertical	131	212	Two inlets; One outlet
1599	Nelson	17410	Horizontal	95	212	Inlet may be smaller
1600	Nelson	17470	Horizontal	65	212	Body Horizontal
1601	Nelson	17480	Horizontal	420	212	~
1602	Nelson	17533	Horizontal	69	212	~
1603	Nelson	17622	Horizontal	89	213	Two inlets; One outlet. Body Horizontal

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1604	Nelson	17657	Vertical	226	213	~
1605	Nelson	17674	Inverted	150	213	Body Horizontal
1606	Nelson	17695	Vertical	143	213	Body Horizontal
1607	Nelson	17701	Horizontal	1044	213	Two inlets; One outlet. Body Horizontal
1608	Nelson	17746	Vertical	107	213	Body Horizontal
1609	Nelson	17747	Horizontal	89	214	Body Horizontal
1610	Nelson	17749	Horizontal	97	214	Body Horizontal
1611	Nelson	17750	Horizontal	141	214	Body Horizontal
1612	Nelson	17765	Vertical	81	214	Body Horizontal
1613	Nelson	17898	Horizontal	46	214	~
1614	Nelson	17899	Horizontal	754	214	Two inlets; One outlet. Body Horizontal
1615	Nelson	17973	Vertical	357	215	~
1616	Nelson	17974	Vertical	454	215	~
1617	Nelson	17998	Vertical	78	215	Body Horizontal
1618	Nelson	18012	Horizontal	94		See 17410 for drawing & photo/Body Horizontal
1619	Nelson	18018	Vertical	455	215	May have side or bottom clean out plug
1620	Nelson	18031	Inverted	110	215	Body Horizontal
1621	Nelson	18090	Horizontal	700	215	Two inlets; One outlet. Body Horizontal
1622	Nelson	18289	Inverted	75	215	Body Horizontal
1623	Nelson	18433	Vertical	165	216	~
1624	Nelson	18493	Horizontal	94		See Nelson 17410 for drawing & photo
1625	Nelson	18528	Horizontal	74	216	Body Horizontal
1626	Nelson	18613	Vertical	196	216	Body Horizontal
1627	Nelson	18631	Vertical	83	216	Body Horizontal
1628	Nelson	18642	Horizontal	576	216	Outlet length may vary. Body Horizontal
1629	Nelson	18731	Horizontal	90	216	Two inlets; One outlet. Body Horizontal
1630	Nelson	18753	Multiple	81	217	Adapter for Nelson 35347 screen assembly
1631	Nelson	18798	Vertical	77	217	~
1632	Nelson	18875	Horizontal	77	217	~
1633	Nelson	18885	Vertical	50	217	Body Horizontal
1634	Nelson	19005	Vertical	213	217	~
1635	Nelson	19051	Vertical	225	217	Approved as T-14222
1636	Nelson	19052	Vertical	225	217	Approved as T-14222
1637	Nelson	19053	Vertical	225	217	Approved as T-14222

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1638	Nelson	19062	Horizontal	576	217	Approved as T-18642
1639	Nelson	19068	Vertical	133	218	~
1640	Nelson	19125	Vertical	350	218	~
1641	Nelson	19126	Vertical	238	218	~
1642	Nelson	19139	Vertical	93	218	Two inlets; One outlet
1643	Nelson	19269	Vertical	225	218	Approved as 19053
1644	Nelson	19273	Vertical	300	218	Approved as T-14219
1645	Nelson	19341	Horizontal	193	219	Body Horizontal
1646	Nelson	19382	Vertical	124	219	Body Horizontal
1647	Nelson	19383	Vertical	225	219	Approved as 19052; See Nelson T-14222
1648	Nelson	19453	Inverted	505	219	~
1649	Nelson	19578	Horizontal	198	219	~
1650	Nelson	19705	Vertical	213	219	Body Horizontal
1651	Nelson	19773	Vertical	243	220	~
1652	Nelson	19820	Horizontal	36	220	Also identified as ONAN 155-2048
1653	Nelson	19822	Horizontal	38	220	Also identified as ONAN 155-2047
1654	Nelson	19825	Horizontal	18	220	Body vertical
1655	Nelson	19826	Horizontal	28	220	Body vertical
1656	Nelson	19830	Vertical	345	220	Not qualified above 345
1657	Nelson	19853	Vertical	405	221	Also identified as IHC1275825C; Body Horizontal
1658	Nelson	19941	Horizontal	94	221	Two inlets; One outlet. Body Horizontal
1659	Nelson	19973	Horizontal	45	221	Body Horizontal
1660	Nelson	19975	Horizontal	95	221	Two inlets; One outlet
1661	Nelson	19976	Horizontal	125	221	Two inlets; One outlet. Body Horizontal
1662	Nelson	19994	Vertical	94	221	Two inlets; One outlet
1663	Nelson	20069	Horizontal	470	222	Body Horizontal
1664	Nelson	20072	Vertical	392	222	Body Horizontal
1665	Nelson	20147	Horizontal	78	222	Body Horizontal
1666	Nelson	20343	Horizontal	46	222	Same as 17898 except two cleanout plugs
1667	Nelson	20490	Horizontal	23		Approved as Wacker WM80-58406
1668	Nelson	20513	Horizontal	66	222	Also identified as ONAN 155-2098
1669	Nelson	20519	Vertical	460	222	Body Horizontal
1670	Nelson	20539	Horizontal	207	223	Body Horizontal
1671	Nelson	20578	Multiple	30	223	Screen; 4-cycle; 4 hp or smaller

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1672	Nelson	20608	Vertical	160	223	Body Horizontal
1673	Nelson	20665	Horizontal	36	220	Approved as 19820
1674	Nelson	20666	Horizontal	38	220	Approved as 19822
1675	Nelson	20687	Horizontal	33	223	Not qualified above 32.5 Body Horiz
1676	Nelson	20710	Vertical	252	224	~
1677	Nelson	20710	Horizontal	268	224	~
1678	Nelson	20788	Inverted	27	224	See Kohler 228173
1679	Nelson	20952	Horizontal	111	224	Unit equipped with catalytic converter;/Body Horizontal
1680	Nelson	20953	Vertical	166	224	Body Horizontal
1681	Nelson	20954	Horizontal	257	224	Body Horizontal
1682	Nelson	20965	Horizontal	108	225	Distance between inlet and outlet maybe 10.2 or 12 inches.
1683	Nelson	20990	Horizontal	64	225	Body Horizontal
1684	Nelson	21079	Horizontal	40		Modified Kohler 278223; Body Horizontal
1685	Nelson	21140	Horizontal	267	225	Body Horizontal
1686	Nelson	21161	Inverted	154	225	Body Horizontal
1687	Nelson	21278	Inverted	40		See Kohler 278223; Body Horizontal
1688	Nelson	21279	Horizontal	49		Also identified as ONAN 155-2065
1689	Nelson	21315	Horizontal	900		Body and outlet vertical
1690	Nelson	21341	Inverted	106	225	~
1691	Nelson	21422	Horizontal	40		See Kohler 278218; Body Horizontal
1692	Nelson	21423	Inverted	44		See Kohler 278224; Body Horizontal
1693	Nelson	21517	Vertical	245		~
1694	Nelson	21549	Horizontal	57		~
1695	Nelson	21616	Vertical	107		Body Horizontal
1696	Nelson	21645	Horizontal	40		Modified Kohler 278223; Body Horizontal
1697	Nelson	21709	Horizontal	82		~
1698	Nelson	21721	Horizontal	36	226	~
1699	Nelson	21758	Horizontal	571	226	~
1700	Nelson	21800	Horizontal	128	226	Horizontal inlet & body; Vertical outlet
1701	Nelson	21863	Vertical	255	226	Horizontal inlet & outlet
1702	Nelson	21884	Vertical	178	226	Body Horizontal
1703	Nelson	21928	Horizontal	82	226	Body Horizontal
1704	Nelson	21950	Vertical	188	227	Body Horizontal
1705	Nelson	22157	Inverted	46	207	Modified Nelson 16362. Body Horizontal

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1706	Nelson	22255	Vertical	250	227	Outlet vertical; Body Horizontal
1707	Nelson	22389	Horizontal	67	227	Body Horizontal
1708	Nelson	22416	Vertical	160	227	Modified Nelson 20608
1709	Nelson	22506	Vertical	62	228	Body Horizontal
1710	Nelson	22627	Vertical	111	228	Body Horizontal
1711	Nelson	22671	Horizontal	84	228	Modified Nelson 22672
1712	Nelson	22672	Horizontal	84	228	Horizontal inlet; body & outlet
1713	Nelson	22737	Horizontal	44	228	See Kohler 278224; Body of arrester Horizontal
1714	Nelson	22755	Horizontal	43		See Kohler 239724
1715	Nelson	22777	Horizontal	40		See Kohler 278223; Body of arrester Horizontal
1716	Nelson	22823	Horizontal	71	229	~
1717	Nelson	22836	Horizontal	36	220	Modified Nelson 21721
1718	Nelson	22904	Inverted	36		Modified Nelson 19820
1719	Nelson	22917	Horizontal	55		~
1720	Nelson	22992	Vertical	183	229	Body and outlet Horizontal
1721	Nelson	23069	Horizontal	28	219	Modified Nelson 19826
1722	Nelson	23094	Vertical	124		Modified Nelson 19382; Body/Arrester Horizontal
1723	Nelson	23096	Vertical	206		~
1724	Nelson	23137	Vertical	64	229	Body Horizontal; outlet down
1725	Nelson	23162	Inverted	106	230	Modified N-21341 diff. support bracket
1726	Nelson	23483	Horizontal	31	230	Modified Nelson 21721
1727	Nelson	23643	Vertical	112		Vertical; body horizontal
1728	Nelson	23697	Vertical	127		Body Horizontal
1729	Nelson	23718	Horizontal	64	225	Modified Nelson 20990
1730	Nelson	23726	Horizontal	85		Two horizontal inlets; one outlet
1731	Nelson	23727	Vertical	92	231	Modified Nelson 38195-A
1732	Nelson	23746	Vertical	152		~
1733	Nelson	23843	Horizontal	32		~
1734	Nelson	23852	45° from inverted	148	231	Cleanout plug 45 deg. from outlet
1735	Nelson	23860	Horizontal	33	231	~
1736	Nelson	23893	Horizontal	228	231	Body Inverted
1737	Nelson	23893	Horizontal	228	231	Body Vertical
1738	Nelson	24035	Vertical	159	232	~
1739	Nelson	24083	Vertical	223	232	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1740	Nelson	24148	Horizontal	1027	232	~
1741	Nelson	24180	Horizontal	281	233	~
1742	Nelson	24304	Vertical	131	233	~
1743	Nelson	24379	Vertical	168	233	Qualified with or without the catalytic converter can in place
1744	Nelson	24459	Vertical	895	233	~
1745	Nelson	24707	Vertical	177	233	~
1746	Nelson	24710	Vertical	159	233	Body horizontal
1747	Nelson	24711	Vertical	131	234	Body horizontal
1748	Nelson	24745	Horizontal	121	234	~
1749	Nelson	24752	Vertical	168	234	Body horizontal; qualified with or without the catalytic converter
1750						can in place.
1751	Nelson	24800	Vertical	117	234	~
1752	Nelson	24839	Vertical	242	234	~
1753	Nelson	24842	Vertical	280	235	Body horizontal
1754	Nelson	24931	Horizontal	92	235	~
1755	Nelson	24953	Vertical	69	235	~
1756	Nelson	25007	Horizontal	52	235	~
1757	Nelson	25012	Vertical	135	235	~
1758	Nelson	25026	Vertical	231	236	~
1759	Nelson	25133	Vertical	894	236	~
1760	Nelson	25191	Inverted	38	236	~
1761	Nelson	25237	Horizontal	71	236	~
1762	Nelson	25640	Vertical	43	237	~
1763	Nelson	25766	Multiple	48	237	Screen; 4-cycle; 8 hp or smaller
1764	Nelson	25771	Horizontal	160	237	Inlet 49° off vertical
1765	Nelson	25986	Horizontal	84	237	~
1766	Nelson	26147	Horizontal	113	237	~
1767	Nelson	26252	Vertical	234		~
1768	Nelson	26281	Horizontal	83		~
1769	Nelson	26294	Horizontal	80	238	~
1770	Nelson	26296	Horizontal	75	238	~
1771	Nelson	26359	Horizontal	101	238	~
1772	Nelson	26438	Horizontal	66	238	~
1773	Nelson	26454	Horizontal	88	238	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1774	Nelson	26465	Horizontal	177	239	~
1775	Nelson	26503	Horizontal	46	239	~
1776	Nelson	26617	Horizontal	113	239	~
1777	Nelson	26710	Horizontal	66		~
1778	Nelson	26749	Horizontal	69	239	~
1779	Nelson	26875	Horizontal	435	239	~
1780	Nelson	26876	Horizontal	1056	239	~
1781	Nelson	26897	Horizontal	63	240	See Onan 155-3151
1782	Nelson	27137	Horizontal	32	240	~
1783	Nelson	27173	Horizontal	234	240	~
1784	Nelson	27174	Horizontal	67	240	~
1785	Nelson	27196	Horizontal	79.4		~
1786	Nelson	27222	Horizontal	73	241	~
1787	Nelson	27258	Horizontal	72		~
1788	Nelson	27453	Horizontal	258	241	Vertical inlet
1789	Nelson	27475	Horizontal	218	241	Vertical inlet
1790	Nelson	27522	Horizontal	89	241	~
1791	Nelson	27692	Horizontal	254	242	Vertical inlet
1792	Nelson	27780	Horizontal	72	242	~
1793	Nelson	27890	Horizontal	67	242	~
1794	Nelson	27901	Horizontal	103	242	~
1795	Nelson	27906	Multiple	101	242	Used on GX670 & GXU670
1796	Nelson	27906	Horizontal	166		Vertical inlet
1797	Nelson	28151	Horizontal	75	243	~
1798	Nelson	28186	Horizontal	130	243	~
1799	Nelson	28457	Multiple	200	243	Used on Continental TM20 gasoline engine
1800	Nelson	28457	Vertical	213	243	~
1801	Nelson	28472	Horizontal	75	244	~
1802	Nelson	28472	Horizontal	82		~
1803	Nelson	28602	Horizontal	66		For reference see Nelson 26710
1804	Nelson	29223	Horizontal	79	244	~
1805	Nelson	29309	Horizontal	260		~
1806	Nelson	29726	Horizontal	622	244	~
1807	Nelson	29798	Horizontal	155		~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1808	Nelson	30134	Vertical	298	245	~
1809	Nelson	30670	Vertical	352	245	~
1810	Nelson	35347	Multiple	81	245	Screen; 4-cycle; 23 hp for use on Nelson 16184; 16348; 17605;
1811						17814; 18672 and 21146 mufflers.
1812	Nelson	38195	Vertical	104	245	Outlet horizontal. Body horizontal
1813	Nelson	38196	Horizontal	111	245	2 inlets; body horizontal; outlet inverted
1814	Nelson	49013	Multiple	118	245	Screen; 4-cycle; 20 hp or smaller
1815	Nelson	49017	Multiple	48	245	Screen; 4-cycle; 8hp 19.44 cu. in. or smaller
1816	Nelson	49019	Multiple	48	245	Screen; 4-cycle; 8hp 19.44 cu. in. or smaller
1817	Nelson	49020	Multiple	54	246	Screen; 4-cycle; 10hp or smaller
1818	Nelson	49021	Multiple	67	246	Screen; 4-cycle; 12.5 hp or smaller
1819	Nelson	49022	Multiple	89	246	Screen; 4-cycle; 18hp or smaller
1820	Nelson	49024	Multiple	109	246	For 26 HP; Kohler CH26 and Tecumseh OV691EP engines
1821	Nelson	49024	Multiple	118	246	Screen; 4-cycle; 20 hp or smaller
1822	Nelson	49025	Multiple	130	246	Used on diesel and gasoline engine
1823	Nelson	49025	Multiple	222	246	Screen; 4-cycle; 35 hp or smaller
1824	Nelson	49025	Multiple	300	246	Screen type used on Kubota V2403-MA and Kubota D902-E-UV
1825	Nelson	49026	Multiple	222	247	Screen; 4-cycle; 35 hp or smaller
1826	Nelson	49028	Multiple	300	247	Screen type used on Kubota V2403-MA and Kubota D902-E-UV
1827	Nelson	49110	Horizontal	50	247	Approved as T-9458
1828	Nelson	49110	Vertical	75		Approved as T-9458
1829	Nelson	49114	Horizontal	99	247	~
1830	Nelson	49114	Vertical	105	247	Approved as T-14123
1831	Nelson	49115	Vertical	123	247	~
1832	Nelson	49115	Horizontal	124	247	~
1833	Nelson	49119	Horizontal	237	247	~
1834	Nelson	49119	Vertical	240	247	~
1835	Nelson	49120	Vertical	255	248	~
1836	Nelson	49120	Horizontal	260	248	~
1837	Nelson	49124	Vertical	302	248	~
1838	Nelson	49125	Vertical	344	248	~
1839	Nelson	49125	Horizontal	347	248	~
1840	Nelson	49130	Horizontal	655	248	~
1841	Nelson	49130	Vertical	663	248	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1842	Nelson	49135	Vertical	830	248	~
1843	Nelson	49135	Horizontal	950	248	~
1844	Nelson	49140	Vertical	760	248	~
1845	Nelson	49140	Horizontal	920	248	~
1846	Nelson	49150	Horizontal	1275	249	~
1847	Nelson	49150	Vertical	1275	249	~
1848	Nelson	49160	Horizontal	2020	249	~
1849	Nelson	49160	Vertical	2040	249	~
1850	Nelson	200188	Horizontal	60		~
1851	Nelson	200192	Horizontal	273		~
1852	Nelson	200202	Horizontal	53	249	~
1853	Nelson	200202C	Horizontal	85		See Nelson 29520D
1854	Nelson	200266	Horizontal	114		~
1855	Nelson	200395	Horizontal	144		~
1856	Nelson	200396	Horizontal	58		~
1857	Nelson	200761	Horizontal	86	249	~
1858	Nelson	200775	Horizontal	211		Inverted inlet
1859	Nelson	200873	Horizontal	304		~
1860	Nelson	201042	Horizontal	168		~
1861	Nelson	201072	Horizontal	153		~
1862	Nelson	201073	Horizontal	718	249	~
1863	Nelson	201327	Horizontal	49		~
1864	Nelson	201435	Horizontal	365		~
1865	Nelson	201487	Horizontal	167		Two configurations of outlet tube
1866	Nelson	201588	Horizontal	120		Inverted inlet
1867	Nelson	201775	Vertical	1033	250	~
1868	Nelson	201789	Inverted	70	250	Horizontal inlet
1869	Nelson	201816	Vertical	172	250	Vertical inlet
1870	Nelson	201817	Vertical	172	250	Vertical inlet
1871	Nelson	201950	Horizontal	67		~
1872	Nelson	201952	Horizontal	155	251	~
1873	Nelson	412157	Horizontal	48		~
1874	Nelson	613313	Multiple	60	251	Screen; 4-cycle; 12.5 hp or smaller
1875	Nelson	614338	Multiple	87	251	Screen; 4-cycle; 20 hp

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1876	Nelson	1661242	Horizontal	48		~
1877	Nelson	1723507	Horizontal	325		~
1878	Nelson	1922614	Vertical	166		Vertical inlet; horizontal body
1879	Nelson	2029716	Horizontal	25		~
1880	Nelson	15064A	Vertical	244	202	~
1881	Nelson	1553314	Horizontal	82		~
1882	Nelson	16506A	Vertical	258	207	~
1883	Nelson	16507A	Vertical	440	207	~
1884	Nelson	16990A	Vertical	100	210	Same as 16990 except for outlet rotational angle length. Body
1885						Horizontal
1886	Nelson	17622C	Horizontal	89	213	Modified Nelson 17622
1887	Nelson	18528A	Horizontal	70	216	Body Horizontal
1888	Nelson	20578B	Multiple	30		Screen; 4-cycle; 4 hp or smaller
1889	Nelson	20892A	Horizontal	48	220	Same as 19822 except for inlet and outlet rotational angle length/
1890						Body Horizontal
1891	Nelson	20892B	Horizontal	48	220	Star plug closure cleanout
1892	Nelson	20990B	Horizontal	64	225	Modified Nelson 20990
1893	Nelson	21423B	Horizontal	44		See Kohler 278224:Body of arrester Horizontal
1894	Nelson	2178513 (M070470)	Multiple	109		For 26 HP; Kohler CH26 engine
1895	Nelson	21800A	Horizontal	128	226	Modified Nelson 21800. Body Horizontal
1896	Nelson	21800C	Horizontal	128	226	Modified Nelson 21800. Body Horizontal
1897	Nelson	21950B	Vertical	188	227	Modified Nelson 21950
1898	Nelson	22171B	Horizontal	54	227	See Onan 155-2416
1899	Nelson	22506A	Vertical	62	228	Body Horizontal
1900	Nelson	22801A	Horizontal	54		Modified Nelson 22171-B
1901	Nelson	22807A	Vertical	405	228	~
1902	Nelson	22992A	Horizontal	205	229	Vertical inlet
1903	Nelson	23259A	Multiple	30	223	Screen; 4-cycle; 4 hp or smaller; Onan 155-2514
1904	Nelson	23511A	Vertical	87	230	Body horizontal; inlet inverted
1905	Nelson	23516A	Multiple	30		Screen; 4-cycle; 4hp or smaller; see Nelson 20578
1906	Nelson	24108A	Multiple	30		Screen; 4-cycle; 4.0 hp or smaller
1907	Nelson	24756N	Horizontal	49	234	~
1908	Nelson	24866B	Inverted	25	235	Body horizontal
1909	Nelson	25239A	Horizontal	118	236	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1910	Nelson	25602A	Horizontal	36	236	~
1911	Nelson	25868N	Horizontal	47	237	~
1912	Nelson	26054A	Horizontal	48		~
1913	Nelson	26201A	Horizontal	105	238	~
1914	Nelson	26710N	Horizontal	77		~
1915	Nelson	27021	Horizontal	71		Modified external bracket
1916	Nelson	27021	Horizontal	71		~
1917	Nelson	27196A	Horizontal	63	240	~
1918	Nelson	27404A	Horizontal	484	241	~
1919	Nelson	27453A	Horizontal	234	241	Vertical inlet
1920	Nelson	27543A	Horizontal	262	241	~
1921	Nelson	27906	Horizontal	166		Vertical inlet
1922	Nelson	28057N	Horizontal	737	242	~
1923	Nelson	28061N	Horizontal	560	243	~
1924	Nelson	28070N	Horizontal	608	243	~
1925	Nelson	28416	Multiple	30		4 Hp; 4 stroke cycle diesel. See also Nelson 20578
1926	Nelson	28440	Horizontal	114		~
1927	Nelson	28457	Vertical	212.8		~
1928	Nelson	28472	Horizontal	82		~
1929	Nelson	28478A	Horizontal	260	244	~
1930	Nelson	28478A	Horizontal	260	244	Vertical inlet
1931	Nelson	28479A	Horizontal	236	244	Vertical inlet
1932	Nelson	28610	Horizontal	31		~
1933	Nelson	28619	Horizontal	69		~
1934	Nelson	28664 (large)	Multiple	222		Screen type; for Teledyne Wisconsin Motor Model W4-1770;
1935						N.M. Q617419 SCREEN TYPE
1936	Nelson	28664 (small)	Horizontal	25		~
1937	Nelson	28878	Horizontal	48		Insulated wrap around
1938	Nelson	29058A	Horizontal	76		~
1939	Nelson	29059	Horizontal	32		Inverted inlet
1940	Nelson	29222	Horizontal	71		Modified external bracket
1941	Nelson	29222	Horizontal	79		~
1942	Nelson	29304	Horizontal	71		See Nelson 27021
1943	Nelson	29385	Horizontal	236		Vertical inlet

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1944	Nelson	29385	Multiple	28		Screen type, marked as NM 293852
1945	Nelson	29397 (large)	Horizontal	48		Insulated wrap around
1946	Nelson	29397 (small)	Horizontal	41		~
1947	Nelson	29465 (large)	Horizontal	123		~
1948	Nelson	29465 (small)	Horizontal	33		~
1949	Nelson	29466 (large)	Vertical	118		~
1950	Nelson	29466 (small)	Horizontal	30		~
1951	Nelson	29513	Horizontal	75		~
1952	Nelson	29514	Horizontal	114		~
1953	Nelson	29520	Horizontal	53		~
1954	Nelson	29550	Horizontal	123		~
1955	Nelson	29738	Vertical	118		~
1956	Nelson	29833	Multiple	188		~
1957	Nelson	340SA	Multiple	167		~
1958	Nelson	373393A1	Horizontal	53		~
1959	Nelson	49022G	Multiple	95	246	Reverse screen cone
1960	Nelson	49024 (large)	Multiple	131		For 26 HP; Kohler CH26 and Tecumseh OV691EP engines and for 20.9 HP; Kubota 1105-E-D16
1961						~
1962	Nelson	49024 (small)	Horizontal	79		~
1963	Nelson	49028	Multiple	300		Screen type used on Kubota V2403-MA and Kubota D902-E-UV
1964						
1965	Nelson	49115C	Vertical &		247	49115 with 1 inch pipe inlet; curved outlet
1966			Horizontal	124		Inlet may vary 2 inch I.D. to 2.15 inch I.D.
1967	Nelson	49120F	Vertical	255		Outlet may vary 2 inch I.D. to 2.15 inch I.D. See Nelson U-49120
1968	Nelson	49120F	Horizontal	260		
1969	Nelson	49150U	Horizontal &			
1970			Vertical	1275		See also Nelson 49150
1971	Nelson	49150U	Vertical	1275	249	See also Nelson 49150
1972	Nelson	C4423	Vertical	213		~
1973	Nelson	NM 200378	Horizontal	314	252	~
1974	Nelson	NM 200865	Horizontal	591	252	~
1975	Nelson	NM 201063	Horizontal	200	253	~
1976	Nelson	NM 201140	Horizontal	113	253	~
1977	Nelson	NM 201200	Horizontal	555	253	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
1978	Nelson	NM 201215	Horizontal	236	253	Vertical inlet
1979	Nelson	NM 201237	Horizontal	248	253	Vertical inlet
1980	Nelson	NM 201305	Horizontal	266	254	~
1981	Nelson	NM 28533	Horizontal	325	251	~
1982	Nelson	NM 28563	Horizontal	48		~
1983	Nelson	NM 28653	Horizontal	48		~
1984	Nelson	NM 28878	Horizontal	48	252	~
1985	Nelson	NM 28888A	Horizontal	50		~
1986	Nelson	NM 29385	Multiple	28		Screen type; marked as NM 293852
1987	Nelson	NM 29725	Horizontal	66		~
1988	Nelson	NM 49025	Horizontal	151	252	~
1989	Nelson	NM 49028	Multiple	185		Used on Continental TMD27 diesel engine
1990	Nelson	NM 49028	Multiple	200		Used on Continental TM20 gasoline engine
1991	Nelson	NM 49030	Multiple	130	252	~
1992	Nelson	NM 49030	Horizontal	169	252	~
1993	Nelson	NM 615351	Multiple	125	254	~
1994	Nelson	NM Q617678	Multiple	46		~
1995	Nelson	Q613817	Horizontal	69		~
1996	Nelson	Q613817	Multiple	109		Screen type
1997	Nelson	Q614338	Multiple	101		Used on GX670 & GXU670
1998	Nelson	Q614338	Multiple	163	254	Screen type; 36 HP or smaller engine
1999	Nelson	Q617409	Multiple	30		4 hp; 4 stroke cycle diesel. See also Nelson 20578
2000	Nelson	Q617409	Multiple	115		Screen type; for 26 hp Kohler 4-stroke engine N.M. Q617409
2001						SCREEN TYPE
2002	Nelson	Q617409	Horizontal	236		Vertical inlet
2003	Nelson	Q617419	Multiple	222		Screen type; for Teledyne Wisconsin Motor Model W4-1770 N.M. Q617419 SCREEN TYPE
2004						
2005	Nelson	Q617419	Horizontal	325		~
2006	Nelson	RSA20100	Horizontal	114		~
2007	Nelson	RSA20125	Horizontal	32		Inverted inlet
2008	Nelson	RSA20125	Multiple	185		Used on Continental TMD27 diesel engine
2009	Nelson	S3000	Multiple	115		Screen type; for 26 hp Kohler 4-stroke engine; N.M. Q617409
2010						SCREEN TYPE
2011	Nelson	SA-001 (large)	Multiple	109		Screen type

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2012	Nelson	SA-001 (small)	Horizontal	71		See Nelson 27021
2013	Nelson	SX1	Multiple	28		Screen type; marked as NM 293852
2014	Nelson	T10093	Horizontal	20	258	Not qualified above 20
2015	Nelson	T10115	Vertical	227	258	~
2016	Nelson	T10115	Horizontal	232	258	~
2017	Nelson	T10126	Vertical	122	258	~
2018	Nelson	T10213	Horizontal	213	258	Body Horizontal
2019	Nelson	T10214	Horizontal	348	258	Body Horizontal
2020	Nelson	T10215	Horizontal	394	258	Body Horizontal
2021	Nelson	T10244	Horizontal	520	259	~
2022	Nelson	T10291	Horizontal	33	259	~
2023	Nelson	T10374	Vertical	176	259	Body Horizontal
2024	Nelson	T10409	Horizontal	21	259	~
2025	Nelson	T10705	Horizontal	24	259	~
2026	Nelson	T10792	Horizontal	67	259	Body Horizontal
2027	Nelson	T10860	Horizontal	100	260	~
2028	Nelson	T10895	Horizontal	18	260	~
2029	Nelson	T10897	Vertical	112	260	Body Horizontal
2030	Nelson	T10898	Horizontal	20	260	~
2031	Nelson	T10956	Inverted	808	260	~
2032	Nelson	T10968	Vertical	148		Body Horizontal
2033	Nelson	T11068C	Inverted	47	260	Body Horizontal
2034	Nelson	T11145	Vertical	382	261	~
2035	Nelson	T11159	Inverted	24		~
2036	Nelson	T11336	Horizontal	239	261	Body Horizontal
2037	Nelson	T11337	Vertical	308	261	Body Horizontal
2038	Nelson	T11424	Inverted	63	261	Body Horizontal
2039	Nelson	T11601C	Horizontal	26	261	~
2040	Nelson	T11606	Horizontal	43	261	See Generac 33232
2041	Nelson	T11668	Vertical	164	262	~
2042	Nelson	T11708	Vertical	31	262	P/N NMC-T-11892; Body horizontal
2043	Nelson	T11730H	Horizontal	13	262	~
2044	Nelson	T11842	Inverted	808	262	Same as T-10956
2045	Nelson	T11915	Horizontal	30	262	Body vertical

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2046	Nelson	T11927	Horizontal	324	262	~
2047	Nelson	T11976	Vertical	125	263	~
2048	Nelson	T12499	Horizontal	505	263	Body Horizontal
2049	Nelson	T12502	Vertical	227	258	Approved as T-10115
2050	Nelson	T12502	Horizontal	232	258	Approved as T-10115
2051	Nelson	T12760B	Inverted	21	263	Body Horizontal
2052	Nelson	T12761	Inverted	38	263	Body Horizontal
2053	Nelson	T12818	Vertical	305	263	~
2054	Nelson	T12825F	Inverted	28	264	Centerline or offset outlet tube; one or two; clean out plugs. Body
2055						Horizontal
2056	Nelson	T12863	Horizontal	92	264	~
2057	Nelson	T13109	Horizontal	210	264	~
2058	Nelson	T13265	Inverted	23	264	~
2059	Nelson	T13300	Horizontal	11	264	~
2060	Nelson	T13304	Horizontal	50	264	Approved as T-9458
2061	Nelson	T13376	Horizontal	50	265	Approved as T-9458
2062	Nelson	T13473	Horizontal	180	265	Body Horizontal
2063	Nelson	T13502	Horizontal	640	265	Two horizontal inlets. Body Horizontal
2064	Nelson	T13529	Horizontal	69	265	~
2065	Nelson	T13559	Horizontal	17	265	Body Horizontal
2066	Nelson	T13572	Inverted	18	265	Body Horizontal
2067	Nelson	T13651	Vertical	485	266	~
2068	Nelson	T13716	Vertical	425	266	Body Horizontal
2069	Nelson	T13846	Vertical	176	266	Body Horizontal
2070	Nelson	T13919	Vertical	216	266	Body Horizontal
2071	Nelson	T13933	Inverted	93	266	Body Horizontal
2072	Nelson	T13934	Vertical	206	266	~
2073	Nelson	T13935	Vertical	219	267	New Holland No.285187; Body Horizontal
2074	Nelson	T13940	Inverted	125	267	Body Horizontal
2075	Nelson	T13944	Horizontal	33	267	Approved as T-10291
2076	Nelson	T13977	Vertical	205	267	~
2077	Nelson	T13978	Vertical	166	267	~
2078	Nelson	T13979	Vertical	166	267	~
2079	Nelson	T13994	Inverted	213	259	Body Horizontal

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2080	Nelson	T13995	Vertical	382	268	~
2081	Nelson	T13995	Horizontal	388	268	~
2082	Nelson	T13999	Inverted	30	268	Body Horizontal
2083	Nelson	T14000	Inverted	42	268	Two inlets. Body Horizontal
2084	Nelson	T14002	Horizontal	11	268	Body vertical
2085	Nelson	T14005	Vertical	380	268	~
2086	Nelson	T14066	Vertical	204	269	Approved as T-9213
2087	Nelson	T14066	Horizontal	208	269	Approved as T-9213
2088	Nelson	T14090	Horizontal	59	269	Body Horizontal
2089	Nelson	T14099	Inverted	178	269	Body Horizontal
2090	Nelson	T14105	Horizontal	169	269	~
2091	Nelson	T14106	Horizontal	69	269	Approved as T-1352
2092	Nelson	T14110B	Vertical	421	269	~
2093	Nelson	T14116	Horizontal	51	270	Body Horizontal
2094	Nelson	T14123	Horizontal	99	270	Body Horizontal
2095	Nelson	T14125	Inverted	50	270	Body Horizontal
2096	Nelson	T14214	Horizontal	153		~
2097	Nelson	T14217	Horizontal	183	270	~
2098	Nelson	T14219	Vertical	300	270	~
2099	Nelson	T14220	Vertical	683	270	Two inlets; one outlet
2100	Nelson	T14222	Vertical	225	217	~
2101	Nelson	T14223	Horizontal	150	271	~
2102	Nelson	T14223	Vertical	160	271	~
2103	Nelson	T14224	Vertical	170	271	~
2104	Nelson	T14315	Inverted	68	271	Body Horizontal
2105	Nelson	T14316	Horizontal	74	271	Body Horizontal
2106	Nelson	T14321	Inverted	25	271	Body Horizontal
2107	Nelson	T14327	Vertical	505		Approved as T-12499
2108	Nelson	T14334	Horizontal	543	271	Body Vertical
2109	Nelson	T14334	Vertical	561	271	With eductor tube; Body Horizontal
2110	Nelson	T14382	Horizontal	520	272	Approved as T-10244
2111	Nelson	T14390	Vertical	111	272	~
2112	Nelson	T14402	Horizontal	147		~
2113	Nelson	T14403	Horizontal	155	272	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2114	Nelson	T14406	Horizontal	69	272	Approved as T-13529
2115	Nelson	T14415	Vertical	205	272	Body Horizontal
2116	Nelson	T14425	Horizontal	99	272	Approved as T-14123
2117	Nelson	T14529	Vertical	275	273	~
2118	Nelson	T14630	Horizontal	240	273	Body Horizontal
2119	Nelson	T14631	Vertical	315	273	Body Horizontal
2120	Nelson	T14671	Horizontal	147	273	~
2121	Nelson	T14688	Horizontal	75	273	Body Vertical
2122	Nelson	T14754	Horizontal	261	273	~
2123	Nelson	T14816	Horizontal	210	274	~
2124	Nelson	T14853	Inverted	69	274	See ONAN 155-1485
2125	Nelson	T14907	Vertical	209	274	Body Horizontal
2126	Nelson	T15077	Inverted	47	274	~
2127	Nelson	T15078	Horizontal	48	274	Body Horizontal
2128	Nelson	T15079	Horizontal	57	274	Body Horizontal
2129	Nelson	T15080	Horizontal	67	275	Body Horizontal
2130	Nelson	T15215	Horizontal	136	275	~
2131	Nelson	T15341	Horizontal	92	275	Two inlets; One outlet. Body Horizontal
2132	Nelson	T15611	Horizontal	65	275	Body Horizontal
2133	Nelson	T15688	Horizontal	513	275	Body Vertical
2134	Nelson	T15689	Horizontal	618	275	Body Vertical
2135	Nelson	T401	Multiple	300		~
2136	Nelson	T6277	Vertical	154	255	~
2137	Nelson	T7033	Vertical	250	255	~
2138	Nelson	T7359	Vertical	245	255	~
2139	Nelson	T7515	Vertical	335	255	~
2140	Nelson	T8680	Vertical	262	255	~
2141	Nelson	T8714	Horizontal	417	255	~
2142	Nelson	T8714	Vertical	429	255	~
2143	Nelson	T9098	Horizontal	141	255	Not qualified above 141
2144	Nelson	T9099	Horizontal	194	255	~
2145	Nelson	T9099	Vertical	196	255	~
2146	Nelson	T9213	Vertical	204	256	~
2147	Nelson	T9213	Horizontal	208	256	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2148	Nelson T9219	Vertical	164	256	Body Horizontal
2149	Nelson T9220	Vertical	170	256	Body Horizontal
2150	Nelson T9304	Vertical	438	256	~
2151	Nelson T9356	Vertical	450	256	~
2152	Nelson T9356	Horizontal	474	256	~
2153	Nelson T9370	Vertical	198	256	~
2154	Nelson T9457	Horizontal	50	256	~
2155	Nelson T9458	Horizontal	50	257	~
2156	Nelson T9460	Horizontal	37	257	~
2157	Nelson T9489	Inverted	76	257	~
2158	Nelson T9605	Vertical	146	257	See John Deere AT-33686
2159	Nelson T9605	Horizontal	148	257	See John Deere AT-33686
2160	Nelson T9932	Horizontal	415	257	~
2161	Nelson T9932	Vertical	426	257	~
2162	Nelson T9995	Vertical	31	257	Body Horizontal
2163	Nelson TC4 C400	Horizontal	66		~
2164	Nelson TC4-5000	Horizontal	31		~
2165	Nelson YMS660	Horizontal	75		~
2166	Nelson YMS660A	Horizontal	114		~
2167	Nelson 201969	Horizontal	86		~
2168	Nelson NM 201073	Horizontal	718		~
2169	Nelson Q620546	Multiple	109		Screen Type
2170	Nelson 201819	Horizontal	113		See Nelson 201140
2171	Nelson 201899	Horizontal	260		~
2172	Nelson 202287	Horizontal	259		~
2173	Nelson 29520D and 200202C	Horizontal	85		Quick Test
2174	Nelson-Burgess 20965	Horizontal	108	276	Horizontal inlet & outlet
2175	Nelson-Burgess 39616	Horizontal	323	277	~
2176	Nelson-Burgess 17AE07	Vertical	213	276	Also identified as 10420A
2177	Nelson-Burgess 17AE08	Vertical	227	276	Also identified as 10250A
2178	Nelson-Burgess 17AE10	Vertical	219	276	Also identified as 10255A
2179	Nelson-Burgess 17AE12	Vertical	226	276	Also identified as 10415A
2180	Nelson-Burgess 17AE14	Vertical	258	276	Also identified as 10421A
2181	O & R 76	Multiple	16	277	Screen; 2-cycle 1 hp or smaller

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2182	Onan	1551254	Horizontal	92		See Nelson T-12863
2183	Onan	1551258	Inverted	28		See Nelson T-12825F
2184	Onan	1551485	Inverted	69	278	See Nelson T-14853
2185	Onan	1551520	Inverted	42	278	See Nelson 15893
2186	Onan	1551698	Vertical	75	278	See Nelson 16752
2187	Onan	1552047	Horizontal	38	278	See Nelson 19822
2188	Onan	1552048	Horizontal	36	278	See Nelson 19820
2189	Onan	1552065	Horizontal	49	278	See Nelson 21279
2190	Onan	1552085	Horizontal	36		See Nelson 20665
2191	Onan	1552086	Horizontal	38		See Nelson 20666
2192	Onan	1552098	Horizontal	66	279	See Nelson 20513
2193	Onan	1552186	Multiple	30	279	Screen; 4-cycle; 4 hp or smaller; Nelson 20578
2194	Onan	1552262	Horizontal	82	279	See Nelson 21709
2195	Onan	1552416	Horizontal	54	279	~
2196	Onan	1552514	Multiple	30		Screen; 4-cycle; 4hp or smaller; Nelson 23295A
2197	Onan	1552783	Inverted	25	279	Body horizontal
2198	Onan	1552885	Vertical	43	279	See Nelson 25640
2199	Onan	1552951	Horizontal	71	280	See Nelson 25191
2200	Onan	1553110	Horizontal	46	280	~
2201	Onan	1553151	Horizontal	63		See Nelson 26897
2202	Onan	AA0680000YXL	Multiple	30		4 hp; 4 stroke cycle diesel. See also Nelson 20578
2203	Onan	1553314	Multiple	30		4 hp; 4 stroke cycle diesel. See also Nelson 20578
2204	Pacific Pumper SEE WAJAX-PACIFIC			~		
2205	Performance Industries Group P.I.G. 1		Multiple	200		Screen type
2206	Performance Specialties 29385		Horizontal	417		Disc type for 660 cc or smaller engine.
2207	Phillips & Temro	MDSA-125	Horizontal inlet	136	280	~
2208	Phillips & Temro	SSUE-02	Horizontal	254	281	See comments
2209	Phillips & Temro	SSUE-02	Vertical	270	281	See comments
2210	Phillips & Temro	MDSA-20	Vertical Inlet	243		~
2211	PKM	II	Special purpose	38		For use on 7 hp; 4-cycle engine-driven generator only
2212	Polaris	0452041	Multiple	66	281	Screen type
2213	Polaris	0452317	Multiple	66	281	Screen type
2214	Polaris	0453360	Multiple	50	282	Screen Type
2215	Polaris	1206702	Horizontal	44	282	Modified Polaris 1260588

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2216	Polaris	1260741	Horizontal	75	282	See Polaris 1260535
2217	Polaris	1260510	Horizontal	41		~
2218	Polaris	1260520	Horizontal	65	282	~
2219	Polaris	1260535	Horizontal	75	282	~
2220	Polaris	1260544	Horizontal	75	282	Modified Polaris 1260535
2221	Polaris	1260576	Horizontal	75	282	Modified Polaris 1260535
2222	Polaris	1260588	Horizontal	44	282	~
2223	Polaris	1260616	Horizontal	44		Modified Polaris 1260588
2224	Polaris	1260629	Horizontal	61	283	~
2225	Polaris	1260702	Horizontal	44		Modified Polaris 1260588
2226	Polaris	1260715	Horizontal	55	282	~
2227	Polaris	1260741	Horizontal	75		See Polaris 1260535
2228	Polaris	1260742	Horizontal	61	283	See Polaris 1260629
2229	Polaris	1260745	Horizontal	85	283	~
2230	Polaris	1260807	Horizontal	55	283	~
2231	Polaris	1260843	Horizontal	55	283	~
2232	Polaris	1260869	Horizontal	73	283	~
2233	Polaris	1260884	Horizontal	100	283	~
2234	Polaris	1260891	Horizontal	73	283	~
2235	Polaris	1260894	Horizontal	73	283	See Polaris 1260891
2236	Polaris	1260903	Horizontal	73	284	See Polaris 1260869
2237	Polaris	1260903	Horizontal	74	284	See Polaris 1260869
2238	Polaris	1260910	Horizontal	75	284	See Polaris 1260535
2239	Polaris	1260930	Horizontal	73	284	~
2240	Polaris	1260961	Horizontal	73	284	Also see 1260977
2241	Polaris	1260968	Horizontal	73	284	~
2242	Polaris	1260977	Horizontal	73	284	~
2243	Polaris	1260989	Horizontal	55	284	See also 1260715
2244	Polaris	1261006	Horizontal	74	284	~
2245	Polaris	1261022	Horizontal	75		~
2246	Polaris	1261042	Horizontal	55	285	See Polaris 1260715
2247	Polaris	1261079	Horizontal	55		See Polaris 1260715
2248	Polaris	1261082	Horizontal	55		See Polaris 1260715
2249	Polaris	1261182	Horizontal	73		See Polaris 1260891

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2250	Polaris 1261215	Horizontal	73		Also see 1260977
2251	Polaris 1261223	Horizontal	55		See Polaris 1260715
2252	Polaris 1261298	Horizontal	104	285	~
2253	Polaris 1261402	Horizontal	73	285	See Polaris 1260891
2254	Polaris 1261413	Multiple	190	285	Screen type
2255	Polaris 1261449	Horizontal	160	286	~
2256	Polaris 1261559	Horizontal	160	286	See also Polaris 1261449 (Previously qualified)
2257	Polaris 1261579	Horizontal	160	287	See also Polaris 1261449 (Previously qualified)
2258	Polaris 1261600	Multiple	190	287	Screen type
2259	Polaris 1261605	Multiple	75	288	Screen Type
2260	Polaris 1261611	Horizontal	87	288	~
2261	Polaris 1261687	Multiple	75	289	Screen Type
2262	Polaris 1261700	Horizontal	97	289	~
2263	Polaris 12605355	Horizontal	75		Modified Polaris 1260535
2264	Polaris C4289	Horizontal	55		See Polaris 1260715
2265	Polaris C6580	Horizontal	55		See Polaris 1260715
2266	Polaris DMC A1	Horizontal	55		See Polaris 1260715
2267	Polaris EG-122	Horizontal	73		Also see 1260977
2268	Powell No. F	Horizontal	27	290	~
2269	Pro Aluminum PA-21	Horizontal	193	291	See Pro Aluminum; PY-01
2270	Pro Aluminum PY-01	Multiple	193	291	Screen Type
2271	Pro Circuit EX13	Multiple	298		Screen type; For Honda XR50; XR70; XR80; XR100; XR250; XR400; EX400; XR650; Yamaha TTR125; YZ426; Suzuki DRZ400
2272					
2273					
2274	Pro Circuit PC00700	Horizontal	89		~
2275	Pro Circuit PC0070S	Horizontal	90	291	See Pro-Circuit PC-007-R
2276	Pro Circuit PC007R	Horizontal	89	291	~
2277	Pro Circuit PC2100	Multiple	298		Screen type; For Honda XR50; XR70; XR80; XR100; XR250; XR400; EX400; XR650; Yamaha TTR125; YZ426; Suzuki DRZ400
2278					
2279					
2280	Pro Moto Billet # 4PMB	Horizontal	190	291	Screen Type; previously Pro Moto Billet # T401
2281	Pro Moto Billet #2 PMB	Horizontal	265	291	Screen Type
2282	Pro Moto Billet EX21	Multiple	198		Screen type; used on Yamaha YZ 426 F
2283	Pro Moto Billet T401	Multiple	198		Screen type; used on Yamaha YZ 426 F

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2284	Pro-Tec PT700	Multiple	207		Screen type for Yamaha YFM 660 RNC or smaller motorcycle
2285	PROTECH 6917292	Horizontal	394	292	~
2286	Reliable M070285	Vertical	512	292	~
2287	Riker SA200	Horizontal	208	293	~
2288	Riker SA200	Vertical	208	293	~
2289	Riker SA2009	Horizontal	273		See Donaldson FCM0600037
2290	Riker SA2009	Vertical	296		see Donaldson FCM0600037
2291	Riker SA2059	Horizontal	427		See Donaldson FCM065030
2292	Riker SA2059	Vertical	436		See Donaldson FCM065030
2293	Riker SA250	Vertical	345	293	~
2294	Riker SA250	Horizontal	369	293	~
2295	Riker SA300	Vertical &			
2296		Horizontal	400	293	~
2297	Riker SA3009	Horizontal	597		see Donaldson FCM070068
2298	Riker SA3009	Vertical	644		See Donaldson FCM070068
2299	Riker SA350	Vertical	545	293	~
2300	Riker SA350	Horizontal	587	293	~
2301	Riker SA3501	Vertical	381	293	Modified SA-350
2302	Riker SA3509	Horizontal	842		See Donaldson FCM070069
2303	Riker SA3509	Vertical	881		See Donaldson FCM070069
2304	Riker SA353	Horizontal	517	293	~
2305	Riker SA400	Vertical	585	293	~
2306	Riker SA4009	Horizontal	1177		See Donaldson FCM080024
2307	Riker SA4009	Vertical	1200		See Donaldson FCM080024
2308	Riker SA400A	Horizontal	582	293	~
2309	Riker SA400A	Vertical	600	293	~
2310	Riker SA401	Vertical	680	293	~
2311	Riker SA401	Horizontal	723	293	~
2312	Riker SA408	Horizontal	860	294	~
2313	Riker SA408	Vertical	900	294	~
2314	Riker SA409	Horizontal	809	294	Modified SA-408
2315	Riker SA500	Vertical	979	294	~
2316	Riker SA500	Horizontal	989	294	~
2317	Riker SA5009	Horizontal	1630		See Donaldson FCM090091

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2318	Riker SA5009	Vertical	1670		See Donaldson FCM090091
2319	Riker SA6009	Horizontal	2480		See Donaldson FCM100016
2320	Riker SA6009	Vertical	2660		See Donaldson FCM100016
2321	Riker SA6762	Vertical	550	294	Modified SA-408 in muffler shell.
2322	Rocket Exhaust Silencer 1	Multiple	337	294	Screen Type
2323	Ruey Sheng HS-0501	Multiple	77		Used on Bombardier
2324	Ruey Sheng 707-600-200	Multiple	77		Used on Bombardier
2325	Rupp 32004	Horizontal	24	295	~
2326	Sanyang 035-30-28.6	Multiple	73	295	Screen Type
2327	Seastrom QP Series	Multiple	198	296	~
2328	SITO Gruppo Industriale s.p.a. SGI 3708	Multiple	160	296	~
2329	SITO Gruppo Industriale s.p.a. SGI 3926	Multiple	109	297	~
2330	SITO Gruppo Industriale s.p.a. SGI 3927	Multiple	159	297	~
2331	SITO Gruppo Industriale s.p.a. SGI 3928	Multiple	162	298	~
2332	Skyway 1000	Horizontal	40	299	~
2333	Skyway 2500	Horizontal	74	299	~
2334	Skyway 300 Series	Horizontal	107	299	~
2335	Skyway 510 Series 300	Horizontal	60	299	Body length may vary from 8.5 to 16.5 inches
2336	Skyway-Cobra 3001	Horizontal	161	299	Motorcycle
2337	Skyway-Cobra 300 SC	Horizontal	176		Modified Skyway-Cobra 300 add-on w/angled body
2338	Soundmaster 21578	Horizontal	273		~
2339	Soundmaster 21578	Vertical	296		~
2340	Soundmaster 21579	Horizontal	427		~
2341	Soundmaster 21579	Vertical	436		~
2342	Soundmaster 21580	Horizontal	597		~
2343	Soundmaster 21580	Vertical	644		~
2344	Soundmaster 21581	Horizontal	842		~
2345	Soundmaster 21581	Vertical	881		~
2346	Soundmaster 21582	Horizontal	1177		~
2347	Soundmaster 21582	Vertical	1200		~
2348	Soundmaster 21584	Horizontal	1630		~
2349	Soundmaster 21584	Vertical	1670		~
2350	Soundmaster 21585	Inverted	28		See Nelson T-12825F
2351	Soundmaster 22005	Horizontal	2020		~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2352	Soundmaster 22005	Vertical	2040		~
2353	Soundmaster 35807	Horizontal	123		~
2354	Soundmaster 35807	Vertical	124		~
2355	Sparester 601	Horizontal	53	300	~
2356	Sparester 602	Inverted	47	300	~
2357	Sparester 801	Horizontal	97	300	~
2358	Sparester SA100	Horizontal	147	300	~
2359	Sparester SA120	Horizontal	233	300	~
2360	Sparester SA140	Horizontal	285	300	~
2361	Sparester SA160	Horizontal	350	300	~
2362	Sparester SA190	Horizontal	541	300	~
2363	Sparester SA240	Horizontal	669	300	~
2364	Sparester SA280	Horizontal	995	300	~
2365	Sparky 300 Sparky	Horizontal	176	300	~
2366	Stemco 2621059	Horizontal	273		See Donaldson FCM06-0037
2367	Stemco 2621059	Vertical	296		See Donaldson FCM06-0037
2368	Stemco 2621060	Horizontal	427		See Donaldson FCM06-5030
2369	Stemco 2621060	Vertical	436		See Donaldson FCM06-5030
2370	Stemco 2621061	Horizontal	597		See Donaldson FCM07-0068
2371	Stemco 2621061	Vertical	644		See Donaldson FCM07-0068
2372	Stemco 2621062	Horizontal	842		See Donaldson FCM07-0069
2373	Stemco 2621062	Vertical	881		See Donaldson FCM07-0069
2374	Stemco 2621063	Horizontal	1177		See Donaldson FCM08-0024
2375	Stemco 2621063	Vertical	1200		See Donaldson FCM08-0024
2376	Stemco 2621064	Horizontal	1630		See Donaldson FCM09-0091
2377	Stemco 2621064	Vertical	1670		See Donaldson FCM09-0091
2378	Stemco 2622020	Horizontal	260		See Nelson U-49120
2379	Stemco 2622025	Horizontal	347		See Nelson U-49125
2380	Stemco 2622030	Vertical	633		See Nelson U-49130
2381	Stemco 2622035	Vertical	830		See Nelson 49135
2382	Stemco 2622035	Horizontal	950		See Nelson 49135
2383	Stemco 2622040	Horizontal	920		See Nelson 49140
2384	Stemco 2622050	Horizontal	1275		See Nelson 49150
2385	Stemco 2622050	Vertical	1275		See Nelson 49150

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2386	Stemco 595M	Inverted	675	302	See Stemco 595M
2387	Strader 200	Horizontal	29	302	~
2388	Strader 400	Horizontal	46	302	Not qualified above 46 cu ft/min
2389	Stroker HS-2501	Multiple	516		Screen Type
2390	Stroker SX1	Multiple	516		Screen Type
2391	Summit Industries – JardinePerformance HS-4001	Multiple	141		Cleanout plug; 5/32 button head socket cap screw must be in place.
2392	Summit Industries – JardinePerformance HS-4003	Multiple	141		Cleanout plug; 5/32 button head socket cap screw must be in place.
2394	Summit Industries – JardinePerformance JPS1	Multiple	141	302	Cleanout plug; 5/32 button head socket cap screw must be in place.
2395	Summit Industries – JardinePerformance JPS2	Multiple	141	302	Cleanout plug; 5/32 button head socket cap screw must be in place.
2396	Supertrapp T100	Multiple	243	303	~
2397	Supertrapp T101	Multiple	170	303	~
2398	Supertrapp T102	Multiple	64	303	~
2399	Supertrapp T99	Multiple	31	303	~
2400	Suzuki 29833	Multiple	93		Screen type
2401	Suzuki HS-050	Multiple	36		Screen type
2402	Suzuki HS-050-1	Multiple	63		Used on engines: JR80
2403	Suzuki HS-050-1	Multiple	175		Used on engines: LT-F500F and LT-A500F
2404	Suzuki HS-050-2	Multiple	11	304	Screen Type
2405	Suzuki HS-090-2	Multiple	31	304	Screen Type
2406	Suzuki HS-1	Horizontal	5	304	~
2407	Suzuki HS-10	Multiple	68	305	Screen; 4-cycle; 14 hp or less
2408	Suzuki HS-11	Multiple	15		Screen; 4-cycle; 14 hp or less
2409	Suzuki HS-125-1	Multiple	42		Screen type; used on Suzuki DR-Z125; DR-Z125L; Kawasaki
2420					KLX125A; KLX125B
2421	Suzuki HS-2	Multiple	13	304	Screen; 4-cycle; 1.6 hp or less
2422	Suzuki HS-250-1	Multiple	109	306	Used on DR-Z250
2423	Suzuki HS-250-2	Multiple	93		Screen type
2424	Suzuki HS-250-3	Multiple	72		~
2425	Suzuki HS-3	Multiple	51	304	Screen; 4-cycle; 7.8 hp or less
2426	Suzuki HS-4	Multiple	22	304	Screen; 2-cycle; 1.8 hp or less
2427	Suzuki HS-400-1	Multiple	180	306	Screen type
2428	Suzuki HS-400-2	Multiple	134		Used on LT-F400; LT-F400F; LT-A400; LT-A400F
2429	Suzuki HS-400-3	Multiple	150		Screen type
2430	Suzuki HS-400-4	Multiple	134	306	Screen type; LT-F400; LT-F400F; LT-A400; LT-A400F

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER						
	MANUFACTURER AND MODEL		APPL POS	FLOW	PAGE	REMARKS
2431	Suzuki	HS-400-5	Multiple	150		~
2432	Suzuki	HS-410-1	Multiple	134		Used on LT-F400; LT-F400F; LT-A400; LT-A400F
2433	Suzuki	HS-410-1	Multiple	180		Screen type
2434	Suzuki	HS-450-1	Multiple	179	306	Screen Type
2435	Suzuki	HS-450-2	Multiple	147	306	Screen Type
2436	Suzuki	HS-5	Multiple	25	304	Screen; 4-cycle; 4.2 hp or less
2437	Suzuki	HS-500-1	Multiple	159		Used on LT-A500F
2437	Suzuki	HS-500-1	Multiple	175	306	Used on engines: LT-F500F and LT-A500F
2439	Suzuki	HS-500-2	Multiple	159		Used on LT-A500F; LT-F500F
2440	Suzuki	HS-500-2	Multiple	159		Used on LT-A500F
2441	Suzuki	HS-500-3	Multiple	161		~
2442	Suzuki	HS-5A	Multiple	25	304	Screen; 4-cycle; 3.8 hp or smaller
2443	Suzuki	HS-5AB	Multiple	30	305	Screen; 4-cycle; 6.0 hp
2444	Suzuki	HS-6	Multiple	25	305	Screen; 4-cycle; 4.2 hp or less
2445	Suzuki	HS-7	Multiple	41	305	Screen; 4-cycle; 9.0 hp or smaller
2446	Suzuki	HS-700-1	Multiple	203	306	~
2447	Suzuki	HS-7A	Multiple	41	305	Screen; 4-cycle; 9.0 hp or smaller
2448	Suzuki	HS-7B	Multiple	44		Screen; 4-cycle; 9.0 hp
2449	Suzuki	HS-8	Multiple	22	305	Screen; 2-cycle; 1.8 hp hp or smaller
2450	Suzuki	HS-9	Multiple	68	305	Screen; 4-cycle; 14 hp or less
2451	Suzuki	KPS A1	Multiple	42		Screen type; used on Suzuki DR-Z125; DR-Z125L; Kawasaki
2452						KLX125A; KLX125B
2452	Suzuki	KS-250-1 for LTA50	Horizontal	17		See Suzuki-Krizman KS-250 (for ALT50)
2454	Suzuki	KS-250-1 for LTA50	Multiple	150		Screen type
2455	Suzuki	KS-450	Horizontal	82	307	~
2456	Suzuki	KS-450-1	Horizontal	42	307	~
2457	Suzuki	KS-450-2	Horizontal	83	307	~
2458	Suzuki	KS-450-3	Horizontal	48	307	~
2459	Suzuki	M050235	Multiple	159		Used on LT-A500F; LT-F500F
2460	Suzuki	M050238	Multiple	180		Screen type
2461	Suzuki	M050242	multiple	180		qualified
2462	Suzuki	M050243	Multiple	175		Used on engines: LT-F500F and LT-A500F
2463	Suzuki	M050244	Multiple	63		Used on engines: JR80
2464	Suzuki	M050249 (large)	Multiple	109		Used on DR-Z250

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2465	Suzuki M050249 (small)	Horizontal	17		See Suzuki-Krizman KS-250 (for ALT50)
2466	Suzuki M050253rev4	Multiple	150		Screen type
2467	Suzuki Sparester 2-1	Horizontal	72	307	Qualified
2468	Suzuki Sparester 2-2	Horizontal	73		~
2469	Suzuki Sparester 2-3	Horizontal	69	307	~
2470	Suzuki-Krizman K-15	Horizontal	20	307	~
2471	Suzuki-Krizman KS-250	Horizontal	26	307	For SE 1500 & SE 2500
2472	Suzuki-Krizman KS-250	Horizontal	27	307	Additional cross reference 345/419
2473	Suzuki-Krizman KS-250 for Alt50	Horizontal	17	308	~
2474	Suzuki-Krizman KS-250 for TM75	Horizontal	20	308	~
2475	Suzuki-Krizman KS-250 for TS80	Horizontal	23	308	~
2476	Suzuki-Krizman KS-250M	Horizontal	25	308	TM 75&TC 100K Motorcycle cycle muffler
2477	Suzuki-Krizman KS-350-3	Horizontal	39	308	~
2478	Suzuki-Krizman KS-350-3 for LT185	Horizontal	30		For LT 185
2479	Suzuki-Krizman KS-350-3 for LT250	Horizontal	30		For LT 250
2480	Suzuki-Krizman KS-351	Horizontal	50		~
2481	Suzuki-Krizman KS-400	Horizontal	84	308	~
2482	Suzuki-Krizman KS-400 for PE250	Horizontal	39	308	~
2483	Suzuki-Krizman KS-400-1	Horizontal	47	308	Modified KS-400
2484	Suzuki-Sparester 850	Horizontal	57		~
2485	Suzuki-Sparester 8011	Horizontal	61		~
2486	Suzuki-Sparester 8501	Horizontal	49		~
2487	Suzuki-Sparester 801 LT 500R	Horizontal	73	310	~
2488	Suzuki-Sparester 801 X0 523X	Horizontal	46	310	~
2489	Suzuki-Sparester 801 X0 523X	Horizontal	97	310	~
2490	Suzuki-Sparester 801 X1 9AOX	Horizontal	97	310	Suzuki LT250RATV
2491	Suzuki-Sparester 801 X1 9BOX	Horizontal	53	310	~
2492	Suzuki-Sparester 801 X2 2AOX	Horizontal	97	310	On Suzuki LT120SATV; one clean out plug;
2493					On Suzuki LT230EATV; two clean out
2494					plugs.
2495	Suzuki-Sparester DR400	Horizontal	87		~
2496	Suzuki-Sparester LT80	Horizontal	25		~
2497	Suzuki-Sparester PE175	Horizontal	87		~
2498	Suzuki-Sparester PE250	Horizontal	87		~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2499	Suzuki-Sparester PE400	Horizontal	87		~
2500	Suzuki-Sparester Sparester 1	Horizontal	81		~
2501	Suzuki-Sparester Sparester 1-1	Horizontal	61		~
2502	Suzuki-Sparester Sparester 1-2	Horizontal	42		~
2503	Suzuki-Sparester Sparester 1-3	Horizontal	42		Enlarged inlet bell
2504	Suzuki-Sparester Sparester 2-1	Horizontal	72		~
2505	Suzuki-Sparester Sparester 2-3	Horizontal	69		~
2506	Suzuki-Sparester X02COX	Horizontal	33		~
2507	Taga Corporation & Japan Design BM301 #36	Horizontal	370		Muffler body must be labeled screen type
2508	Taylor 100	Multiple	26	311	Screen; 4-cycle; 4 hp or less
2509	Taylor 200	Multiple	46	311	Screen; 4-cycle; 8 hp or less
2510	Taylor 300	Multiple	46	311	Screen; 4-cycle; 7 hp or less
2511	Taylor 400	Multiple	26	311	Screen; 4-cycle; 4 hp or less
2512	Taylor 750	Multiple	30	311	Screen; 4-cycle; 10 hp or less
2513	Taylor 751	Multiple	61	312	Screen; 4-cycle; 10 hp or less
2514	Taylor 800	Multiple	46	312	Screen; 4-cycle; 8 hp or less
2515	Taylor 800	Multiple	64	312	Screen; 2-cycle; 5.5 hp or less
2516	Taylor 900	Multiple	57	312	Screen; 4-cycle; 10 hp or less
2517	Taylor 950	Multiple	50	312	Screen; 4-cycle; 10 hp or less
2518	Taylor 400A	Multiple	26	311	Screen; 4-cycle; 4 hp or less
2519	Taylor 750A	Multiple	46	312	Screen; 4-cycle; 8 hp or less
2520	Teck 16250C	Vertical	259	313	~
2521	Teck SS8602	Horizontal	181	313	~
2522	Teck SS8602	Vertical	204		~
2523	Teck SS86025	Horizontal	205		~
2524	Teck SS86025	Vertical	208	313	~
2525	Teck SS8603	Vertical	238	313	~
2526	Teck SS8603	Horizontal	245		~
2527	Teck SS86035	Horizontal	372	313	~
2528	Teck SS86035	Vertical	377		~
2529	Teck SS8604A	Horizontal	383	313	~
2530	Teck SS8604A	Vertical	386		~
2531	Teck SS8605	Vertical	532	313	~
2532	TECSA TEC-SA	Horizontal	55		See Polaris 1260715

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2533	Tecumseh 35352	Multiple	54	314	Screen; 4-cycle; 13 hp or smaller
2534	Tecumseh 35352	Multiple	70	314	Screen; 4-cycle; 12 hp or less
2535	Tecumseh 36085	Multiple	31	314	Screen; 4-cycle; 5 hp or smaller
2536	Tecumseh 36411	Multiple	110		Screen; 4-cycle; 2.5 hp or smaller
2537	Tecumseh 390309	Multiple	42	314	Screen; 2-cycle; 4 hp or smaller
2538	Tecumseh 390301A	Multiple	16	314	Screen; 2-cycle; 2 hp or smaller
2539	Tecumseh 400B	Multiple	26	314	Screen; 4-cycle; 4 hp or less
2540	Tecumseh 751A	Multiple	26	314	Screen; 4-cycle; 5 hp or smaller
2541	Tillery T134	Multiple	45	314	Screen; 2-cycle; 6.5 hp or less
2542	Tillery T234	Multiple	26	314	Screen; 4-cycle; 4 hp or less
2543	Toomey Racing SAS-4	Multiple	203	315	Screen Type
2544	Toro 364750	Multiple	19	315	Screen; 4-cycle; 2.27 hp or less
2545	Toro 566730	Multiple	21	315	Screen; 4-cycle; 3.7 hp or less
2546	Toro 810200	Multiple	31	315	Screen; 2-cycle; 3.5 hp or less
2547	Torque TQ1000	Horizontal	24	316	~
2548	Torque TQ2000	Horizontal	34	316	~
2549	Torque TQ3000	Horizontal	43	316	~
2550	Torque TQ3000A	Horizontal	42	316	~
2551	Torque TQ3000B	Horizontal	46	316	~
2552	Two Brothers Racing TBR-001	Multiple	314	316	Screen Type
2553	Two Brothers Racing TBR-002	Multiple	60	316	Screen Type
2554	United Motors of America UMSA001	Multiple	53	317	Screen Type
2555	United Motors of America UMSA002	Multiple	66	317	~
2556	United Motors of America UMSA003	Multiple	26	317	Also used for ATV Earthlanders 70 & 90 Moontrax 70 & 90
2557	USDA FS3	Vertical	530		Prototype
2558	USDA FS3	Horizontal	614		Prototype
2559	USDA FS3	Horizontal	622		Prototype
2560	USDA FS4	Horizontal	164	318	Prototype
2561	Wacker WM8058406	Horizontal	23	318	~
2562	Wajax-Pacific PB1196	Horizontal	69	319	Primer-arrester
2563	Wajax-Pacific PC1216	Horizontal	56	319	Primer-arrester
2564	Wajax-Pacific Pumper D4479	Horizontal	57	318	Primer-arrester. Also called Pacific; Pumper or Wajax.
2565	Wajax-Pacific Pumper Model 2	Multiple	103	318	Screen; 2-cycle; 8.5 hp or less. Also called Pacific Pumper or Wajax
2566	Walker 21578	Horizontal	273		~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2567	Walker 21578	Vertical	296		~
2568	Walker 21579	Horizontal	427		~
2569	Walker 21579	Vertical	436		~
2570	Walker 21580	Horizontal	597		~
2571	Walker 21580	Vertical	644		~
2572	Walker 21581	Horizontal	842		~
2573	Walker 21581	Vertical	881		~
2574	Walker 21582	Horizontal	1177		~
2575	Walker 21582	Vertical	1200		~
2576	Walker 21584	Horizontal	1275		~
2577	Walker 21584	Vertical	1630		~
2578	Walker 21585	Inverted	28		See Nelson T-12825F
2579	Walker 22005	Horizontal	2020		~
2580	Walker 22005	Vertical	2040		~
2581	Walker 35807	Horizontal	123		~
2582	Walker 35807	Vertical	124		~
2583	Washington Iron Works No. 3	Vertical	615	319	Discontinued
2584	White Brothers Eseries 2000	Horizontal	300		Muffler body must be labeled screen type
2585	White Brothers Eseries 2000	Horizontal	300		Disc type; closed endcap disc must be in place
2586	White Brothers Screen 2001	Multiple	191		Screen type
2587	White Brothers WB 2004	Multiple	207	320	Screen type; pleated screen
2588	White Brothers WB2004	Multiple	207	320	“E2” name plates replace w/ “Pure Polaris”
2589	White Brothers WB2006	Multiple	207	320	See also WB2004
2590	White Brothers/Pure Polaris M050260	Multiple	300		Disc type; closed end cap disc must be in place; E-Series
2591	White Brothers/Pure Polaris Model 2000	Multiple	300		Disc type; closed end cap disc must be in place; E-Series
2592	White Brothers/Pure Polaris WB 2001	Horizontal	17		See Suzuki-Krizman KS-250 (for ALT50)
2593	Wildfire Fire Equipment C-7590	Horizontal	94	320	~
2594	Wildfire Fire Equipment C-7590	Multiple	94	320	Screen type; 2 screens
2595	Wildfire Pacific 00-12-300EP	Vertical	65		Carbon trap needs periodic cleaning
2596	Wildfire Pacific M050267rev0	Vertical	65		Carbon traps needs periodic cleaning
2597	Wintec 500	Horizontal	71	321	~
2598	Xducer SeeSUPERTRAPP	~			See SUPERTRAPP
2599	Xdusor II	Horizontal	155		Modified Xdusor X-100
2600	Xdusor X100	Horizontal	102		~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2601	Yamaha	Multiple	150		Screen type
2602	Yamaha 2000	Horizontal	52		See Yamaha 238F; cleanout same as Yamaha Y238A
2603	Yamaha 238H	Horizontal	52		See Yamaha 238F; cleanout same as Yamaha Y238A
2604	Yamaha EG-100A	Horizontal	33		~
2605	Yamaha EG-100B	Horizontal	26		~
2606	Yamaha EG-102A	Horizontal	46		Not qualified for use above rated flow
2607	Yamaha EG-102B	Horizontal	45		Not qualified for use above rated flow
2608	Yamaha EG-103A	Vertical	27		~
2609	Yamaha EG-103B	Vertical	27		~
2610	Yamaha EG-104A	Vertical	22		Not qualified for use above rated flow
2611	Yamaha EG-104B	Vertical	20		~
2612	Yamaha EG-105A	Inverted	19		Not qualified for use above rated flow
2613	Yamaha EG-106	Horizontal	13	322	~
2614	Yamaha EG-107	Horizontal	44	322	~
2615	Yamaha EG-108	Horizontal	29	322	~
2616	Yamaha EG-109	Horizontal	25	322	~
2617	Yamaha EG-110	Inverted	72	322	~
2618	Yamaha EG-111	Horizontal	15	322	~
2619	Yamaha EG-113	Multiple	26	323	Screen; 4-cycle; 5 hp or smaller
2620	Yamaha EG-114	Multiple	54	323	Screen; 4-cycle; 11 hp or smaller
2621	Yamaha EG-116	Multiple	25	323	Screen; 4-cycle; 5 hp or smaller
2622	Yamaha EG-117A	Multiple	37	323	Screen; 4-cycle; 6.6 hp or smaller
2623	Yamaha EG-118	Multiple	26	323	Screen type; 4-stroke; 4.5 hp or smaller
2624	Yamaha EG-119	Multiple	26	323	Screen type; 4-stroke; 4.5 hp or smaller
2625	Yamaha EG-120	Multiple	54	324	Screen type
2626	Yamaha EG-122	Multiple	38		Screen type
2627	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.
2628					
2629	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.
2630					
2631	Yamaha EG-125	Multiple	13		Used on EF1000iS Generator; Screen Type
2632	Yamaha EG-126	Multiple	29		Used on EF3000iSE Generator
2633	Yamaha EG-127	Multiple	29	324	For Engine 7CF2
2634	Yamaha LG-101	Multiple	60	324	Screen; 4-cycle; 12 hp or smaller

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2635	Yamaha LG-102	Multiple	87	324	Screen; 4-cycle; 18 hp or smaller
2636	Yamaha MZ0010	Multiple	26		Used on EF2800i Generator; projected point (dimple) must be fit into the hole on the muffler tail for proper installation.
2637					
2638	Yamaha MZ0011	Multiple	38		Used on EF4000 Generator; projected point (dimple) must be fit into the hole on the muffler tail for proper installation.
2639					
2640	Yamaha MZ0014	Multiple	110		Screen Type
2641	Yamaha MZ0015	Multiple	13		Used on EF1000iS Generator; Screen Type
2642	Yamaha MZ0018	Multiple	29		Used on EF3000iSE Generator
2643	Yamaha MZ0021	Multiple	248		Used on Yamaha YFM660R Raptor 4 wheel ATV; YZ400F; YZ426F
2644					
2645	Yamaha MZ0023	Multiple	38		Screen type
2646	Yamaha MZ0026	Multiple	173		Used on ATV YFM660FWA
2647	Yamaha MZ0027	Multiple	173		Used on ATV YFM660FWA
2648	Yamaha NM 49028	Multiple	248		Used on TTR125; YFM660R; YZ400F; Y2426F mufflers
2649	Yamaha YHM 167A	Horizontal	35	324	~
2650	Yamaha YHM 167B	Horizontal	31	324	~
2651	Yamaha YHM 200	Horizontal	50	324	~
2652	Yamaha YHM 200A	Horizontal	49	324	~
2653	Yamaha YHM 200B	Horizontal	64	324	~
2654	Yamaha YHM 220	Horizontal	45	325	~
2655	Yamaha YHM 220A	Horizontal	44	325	~
2656	Yamaha YHM 238A	Horizontal	63	326	~
2657	Yamaha YHM 238F	Horizontal	52		~
2658	Yamaha YHM 238G	Horizontal	63		Screen type
2659	Yamaha YHM 238H	Horizontal	52		See Yamaha YHM 238F; cleanout same as Yamaha YHM 238A
2660	Yamaha YHM 238J	Horizontal	63	325	See Yamaha YHM238A
2661	Yamaha YHM 238K	Horizontal	31		~
2662	Yamaha YHM 238L	Horizontal	97	325	~
2663	Yamaha YHM 270A	Horizontal	100		See YHM238A & YHM238F
2664	Yamaha YHM 270B	Horizontal	100		~
2665	Yamaha YHM 700	Horizontal	87		~
2666	Yamaha YMH 220B	Horizontal	53	325	~
2667	Yamaha YMH 220C	Horizontal	57	325	~
2668	Yamaha YMH 238	Horizontal	64	325	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2669	Yamaha YMH 238B	Horizontal	41	326	~
2670	Yamaha YMH 238C	Horizontal	41	326	~
2671	Yamaha YMH 238D	Horizontal	54	326	~
2672	Yamaha YMH 238E	Horizontal	72	326	~
2673	Yamaha YMH 270	Horizontal	77	326	~
2674	Yamaha YMS 125	Multiple	62		~
2675	Yamaha YMS 125A	Multiple	17	327	For Engine TT-R50E
2676	Yamaha YMS 230	Multiple	75	327	~
2677	Yamaha YMS 400	Multiple	150		Screen type
2678	Yamaha YMS 400A	Multiple	150	327	Screen type
2679	Yamaha YMS 400B	Multiple	160	327	For Engine WRF450F (5TJ-80)
2680	Yamaha YMS 50	Multiple	28	326	Screen; 2-cycle; 5.8 hp or smaller
2681	Yamaha YMS 50A	Multiple	27	327	Screen; 2-cycle; 5.8 hp or smaller
2682	Yamaha YMS 660	Multiple	150		Screen type
2683	Yamaha YMS 660	Multiple	173		Used on ATV YFM660FWA
2684	Yamaha YMS 660A	Multiple	110		Screen Type
2685	Yamaha YMS 660B	Multiple	173		~
2686	Yamaha YMUS-01	Horizontal	95		~
2687	Yamaha YMUS-01	Multiple	154		Marked as “ACS Screen Type RSA20125”. For 34 HP or smaller
2688					4 stroke engine
2689	Yamaha YMUS-01	Multiple	248		Used on TTR125; YFM660R; YZ400F; YZ426F mufflers
2690	Yamaha YMUS-01	Multiple	248		Used on Yamaha YFM660R Raptor 4 wheel ATV; YZ400F; YZ426F
2691	Yamaha YMUS-02	Multiple	172		Used on Yamaha YFM700 4- wheel 4-stroke. Also see Y712-03
2692	Yamaha YMUS-10	Multiple	39	327	For Engine TTR50; TTR90 & TTR125
2693	Yamaha YS 125	Multiple	62		Screen type
2694	Yamaha-Krizman KS 250	Horizontal	24	328	~
2695	Yamaha-Krizman KS 250A	Horizontal	20		~
2696	Yamaha-Krizman KS 350	Horizontal	58	328	~
2697	Yamaha-Krizman KS 350A	Horizontal	54		~
2698	Yamaha-Krizman KS 350B	Horizontal	32		~
2699	Yamaha-Krizman KS 350C	Horizontal	23		~
2700	Yamaha-Krizman KS 375	Horizontal	79		Modified KS-400
2701	Yamaha-Krizman KS 375A	Horizontal	75	328	~
2702	Yamaha-Krizman KS 375B	Horizontal	55	328	~

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2007 QUALIFIED AND RATED LIST—GENERAL PURPOSE SPARK ARRESTER					
	MANUFACTURER AND MODEL	APPL POS	FLOW	PAGE	REMARKS
2703	Yamaha-Krizman KS 375C	Horizontal	70	328	~
2704	Yamaha-Krizman KS 375D	Horizontal	71	328	~
2705	Yamaha-Krizman KS 375E	Horizontal	63	329	~
2706	Yamaha-Krizman KS 375F	Horizontal	54	329	~
2707	Yamaha-Krizman KS 375G	Horizontal	47		~
2708	Yamaha-Krizman YS 125	Horizontal	42	329	Discontinued
2709	Yamaha-Krizman YS 250	Horizontal	20	329	Discontinued
2710	Yamaha-Krizman YS 80	Horizontal	24	329	Discontinued
2711	Yamaha-Krizman YSU 80	Horizontal	24	329	Discontinued
2712	Yamaha-Skyway Series 300 Mod 520	Horizontal	89	330	Not qualified for use above rated flow
2713	Yellow Jacket Mfg. Inc. 412-157	Multiple	167		Used on 500 cc Suzuki
2714	Yellow Jacket Mfg. Inc. 412-194	Multiple	167		Screen type; Suzuki Model M-410
2715	Yellow Jacket Mfg. Inc. NM 28653	Multiple	167		Used on 500 cc Suzuki
2716	Yellow Jacket Mfg. Inc. NM 28878	Multiple	167		Screen type; Suzuki Model M-410
2717	Yoshimura PC007OS	Multiple	167		Screen type
2718	Yoshimura TEC-SA	Multiple	167		Screen type
2719	Yoshimura TEC-SB	Multiple	167		Screen Type
2720	Yoshimura YRD1Q	Horizontal	176	331	Fiberglass packing must be in place for the full length of the per- forated tube.
2721					
2722	Yoshimura YRD2L	Horizontal	176		Fiberglass packing must be in place for the full
2723	Yoshimura, TEC-SD	Multiple	216	331	Screen Type
2724	Yoshimura, TEC-SD3	Multiple			Screen Type
2725	Yuba 8000	Vertical	740	331	~
2726					
2727					
2728					
2729					
2730					
2731					
2732					
2733					
2734					
2735					
2736					

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**2007
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											RPM ³	
cubic cm.	cubic inches	1,600	1,800	2,000	2,200	2,400	2,600	2,800	3,000	3,200	3,400	3,600	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											
cubic cm	cubic inches	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

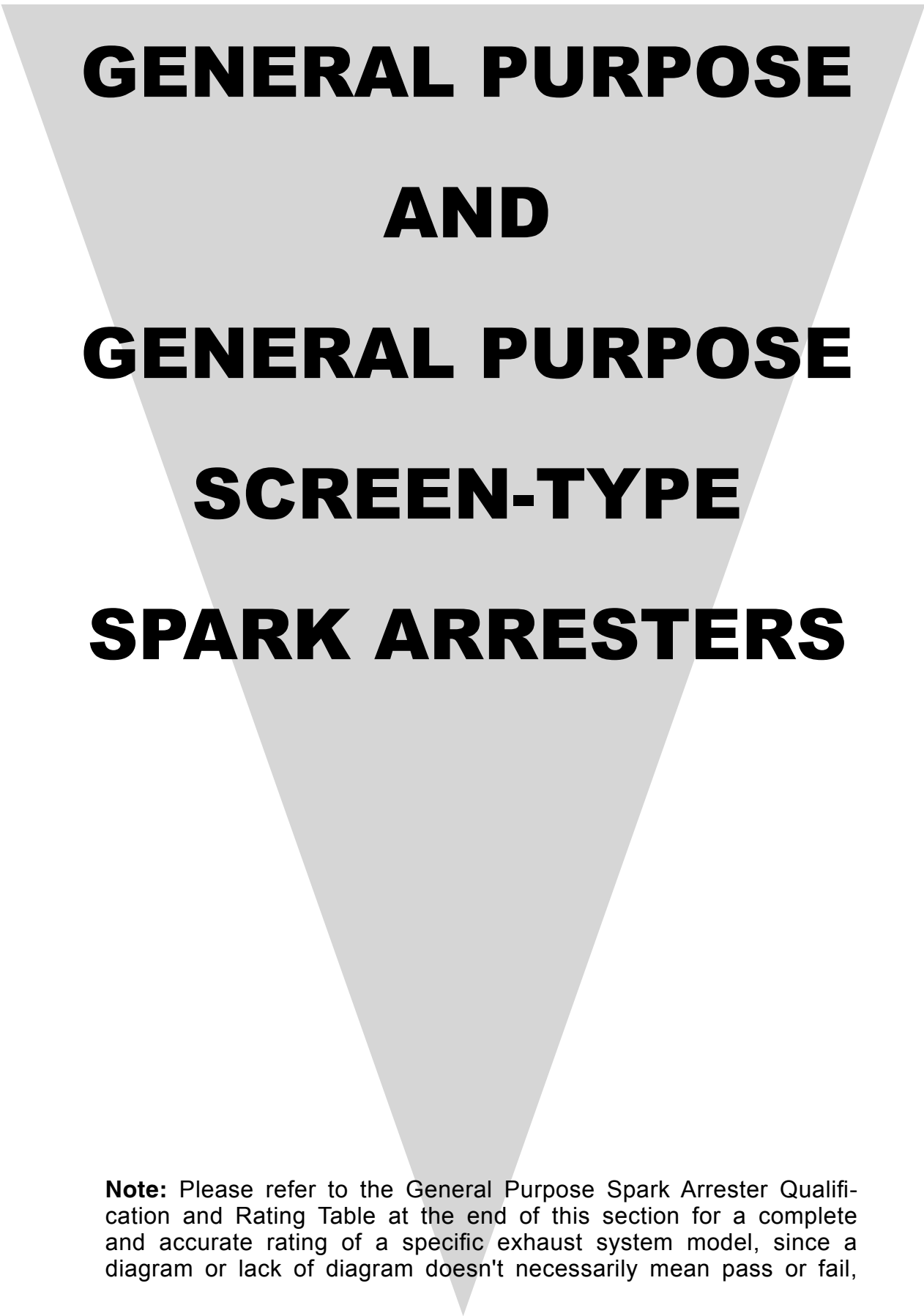
¹Volumetric efficiency 80 percent; exhaust temperatures 1,200 °F.

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

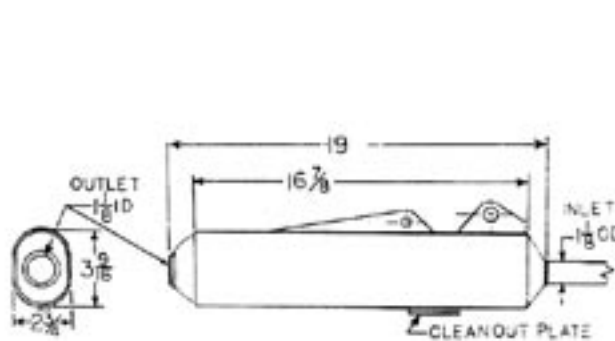


GENERAL PURPOSE AND GENERAL PURPOSE SCREEN-TYPE SPARK ARRESTERS

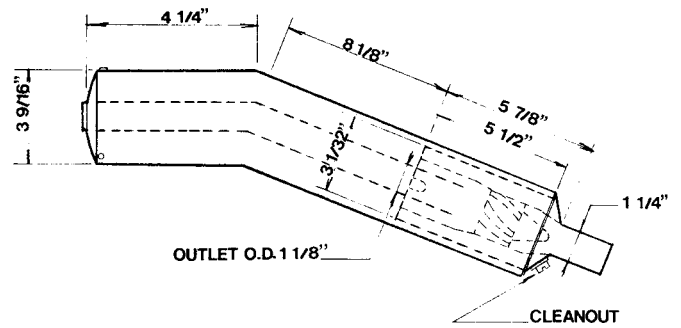
Note: Please refer to the General Purpose Spark Arrester Qualification and Rating Table at the end of this section for a complete and accurate rating of a specific exhaust system model, since a diagram or lack of diagram doesn't necessarily mean pass or fail,

ACERBIS, ADVANCED CAR SPECIALTIES

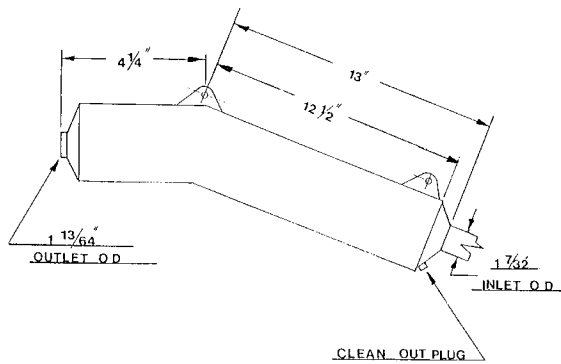
ACERBIS



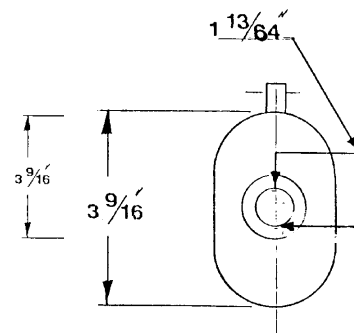
035 MFS-2



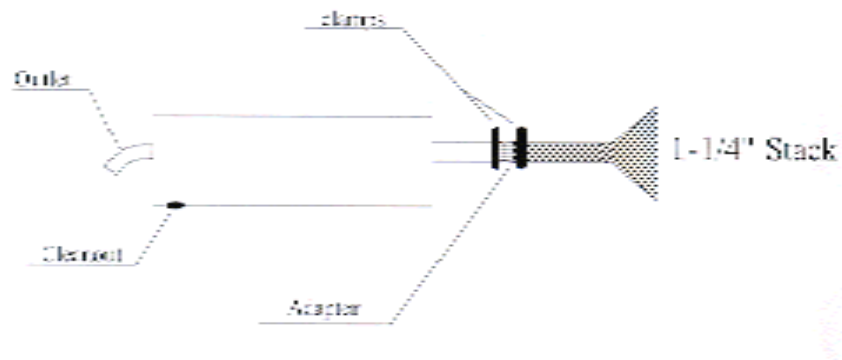
035 MFS-5



035 MFS-6



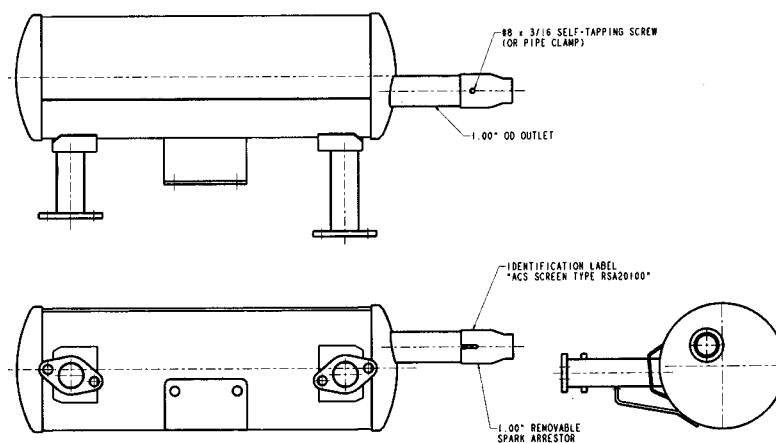
ADVANCED CAR SPECIALTIES



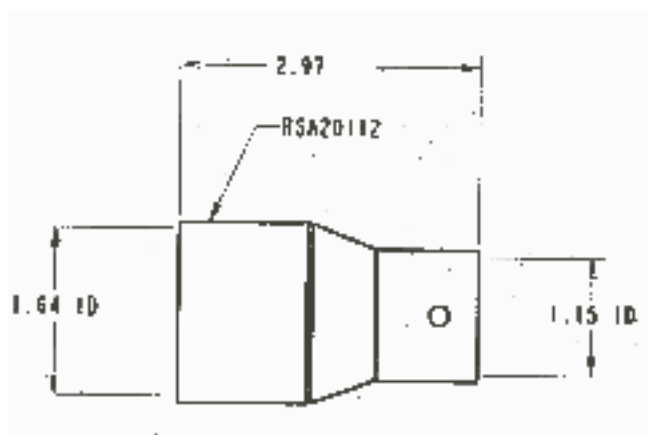
ACS-DI-508-183-05

ADVANCED CAR SPECIALTIES

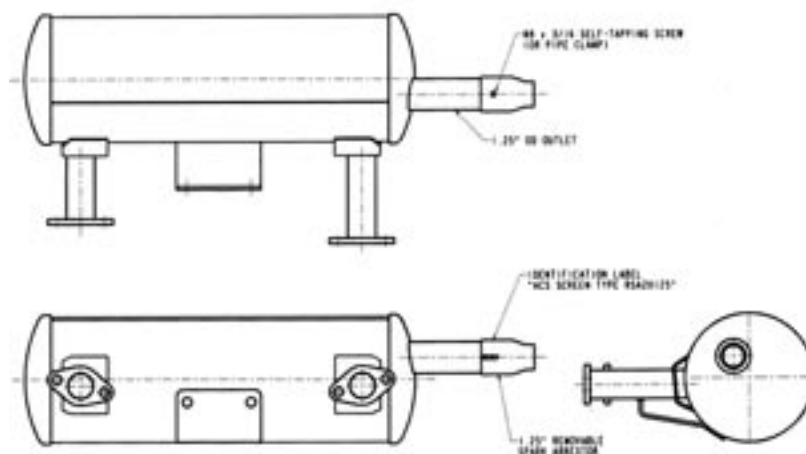
ADVANCED CAR SPECIALTIES



RSA 20100A



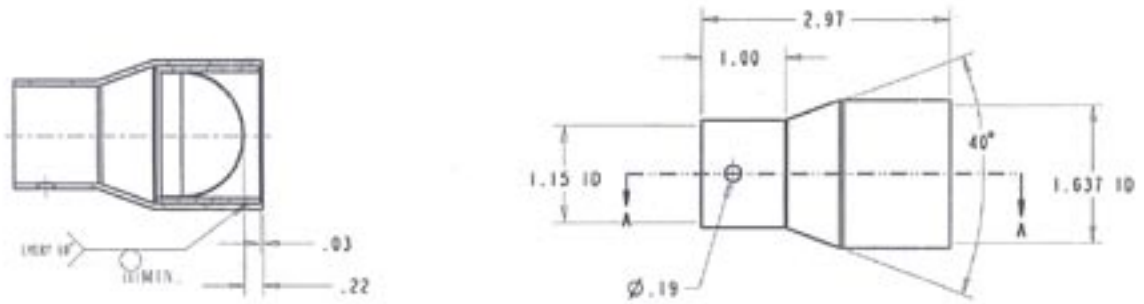
RSA 20112



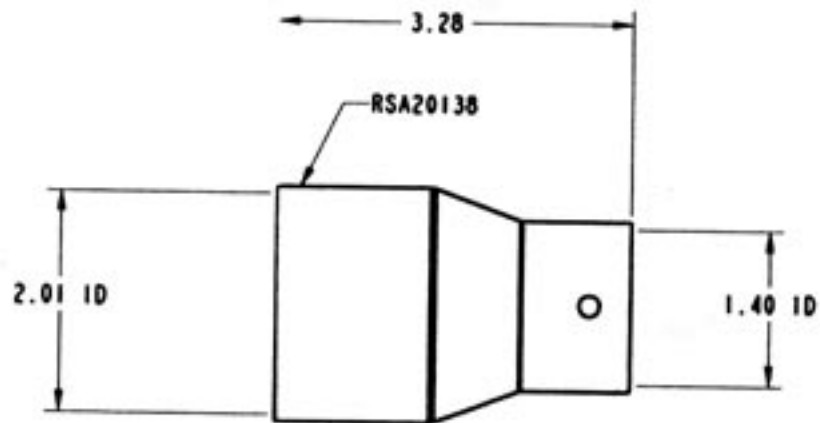
RSA 20125

ADVANCED CAR SPECIALTIES

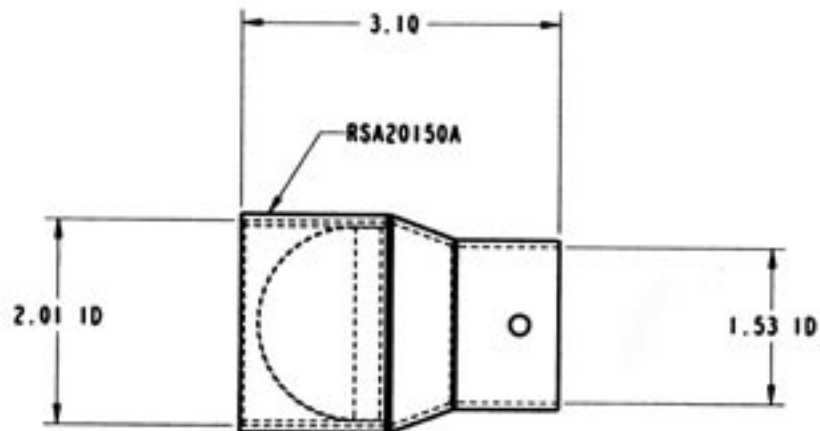
ADVANCED CAR SPECIALTIES



RSA 20125A



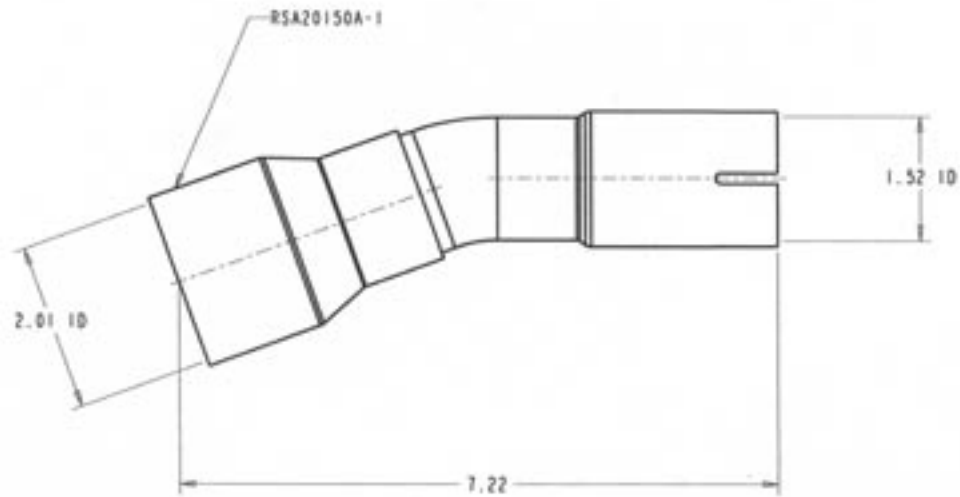
RSA 20138



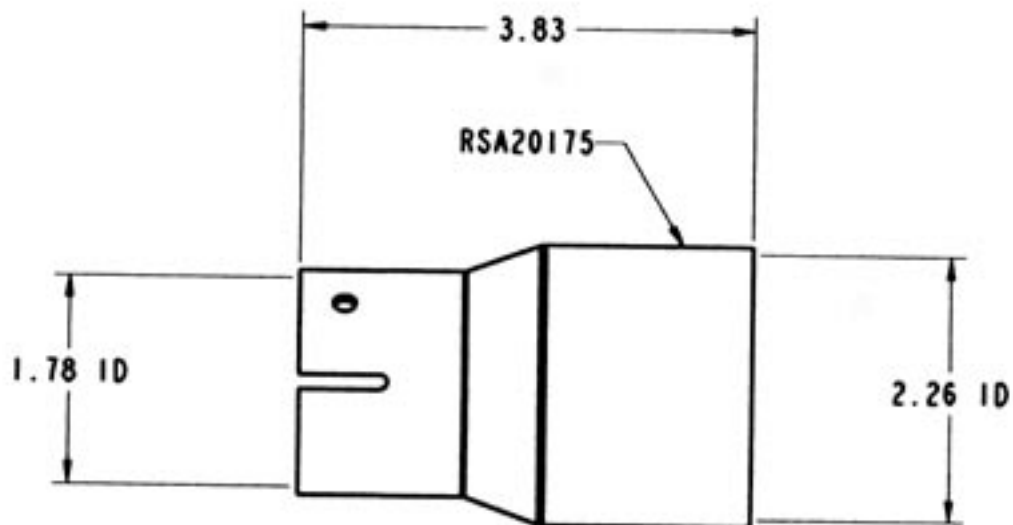
RSA 20150A

ADVANCED CAR SPECIALTIES

ADVANCED CAR SPECIALTIES (*Continued*)



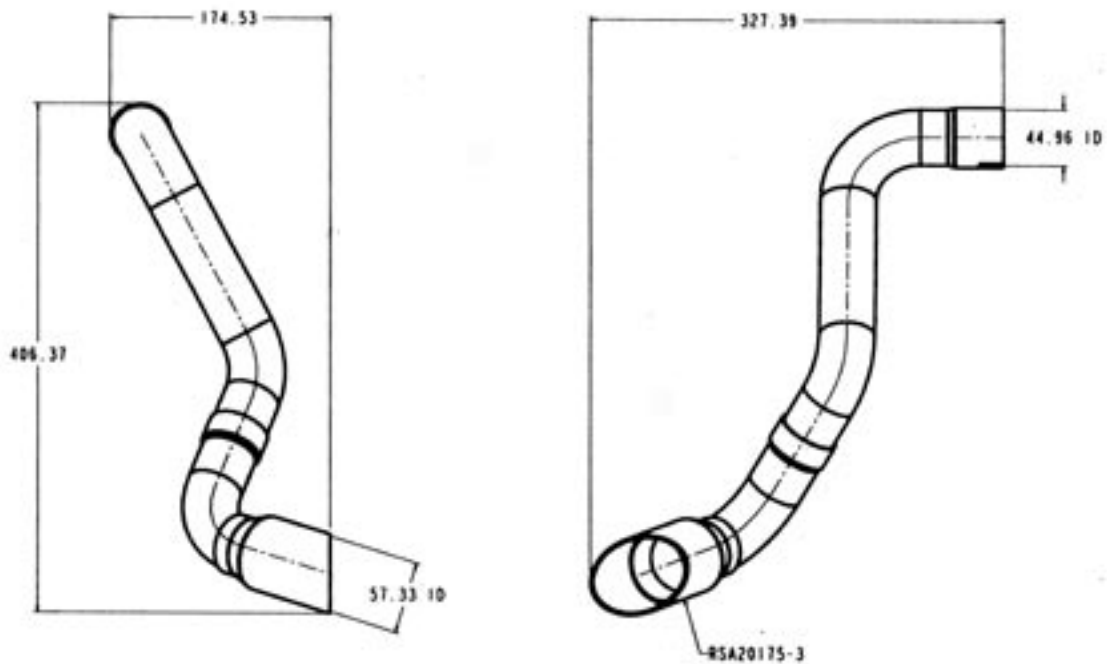
RSA 20150A-1



RSA 20175

ADVANCED CAR SPECIALTIES

ADVANCED CAR SPECIALTIES *(Continued)*



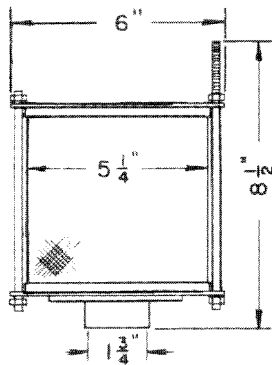
RSA 20175-3



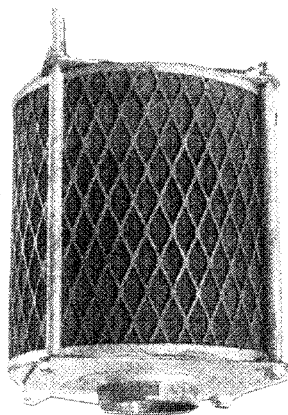
RSA 20200

AIR-MAZE

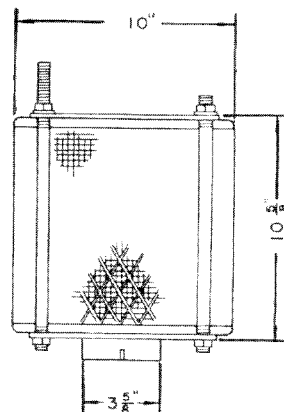
AIR-MAZE



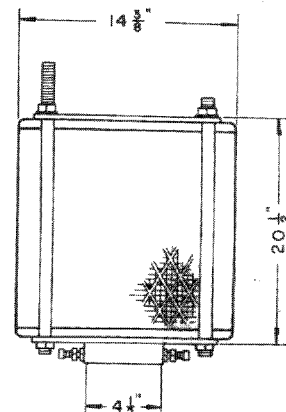
4-FA*



10-FA*

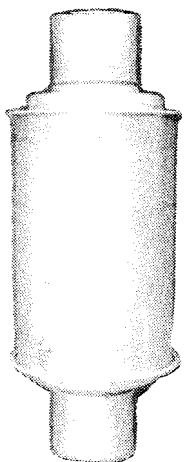


10-FA*

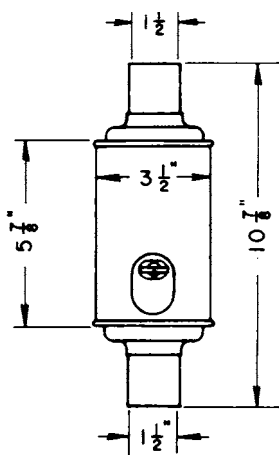


146-FA*

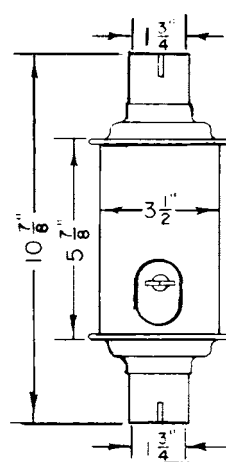
* The model designation indicates a minimum and maximum inlet size. Several inlet sizes are available.



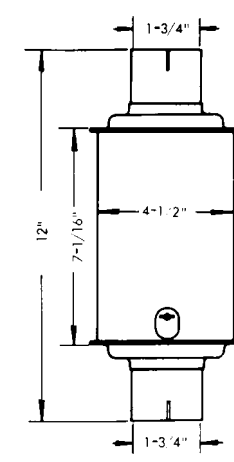
C19035



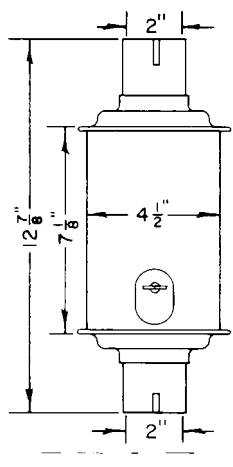
C19035-3



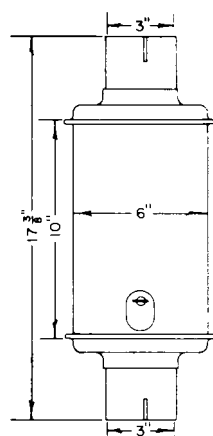
C19035-4



C19035-5



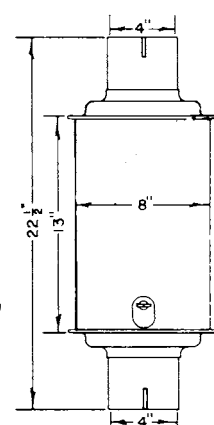
C19035-6



C19035-7 & 8

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

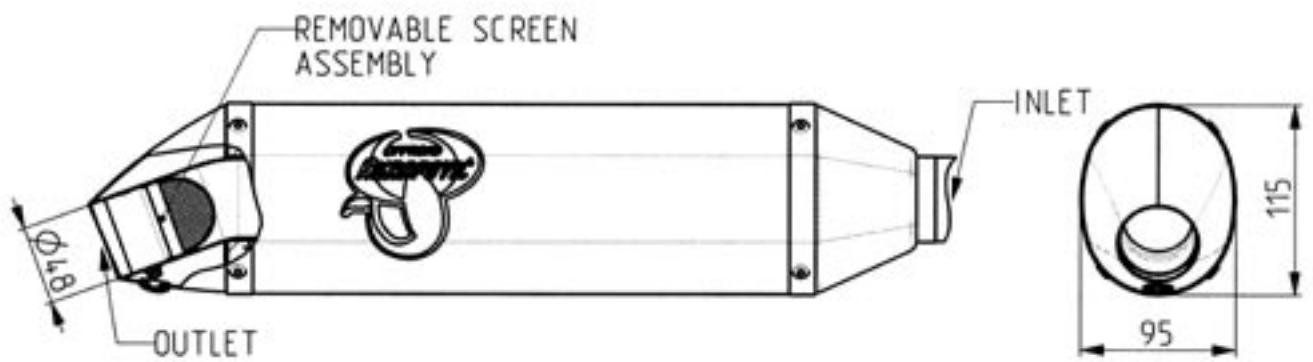
Model C19035- has 3-1/2" inlet and outlet dimensions.



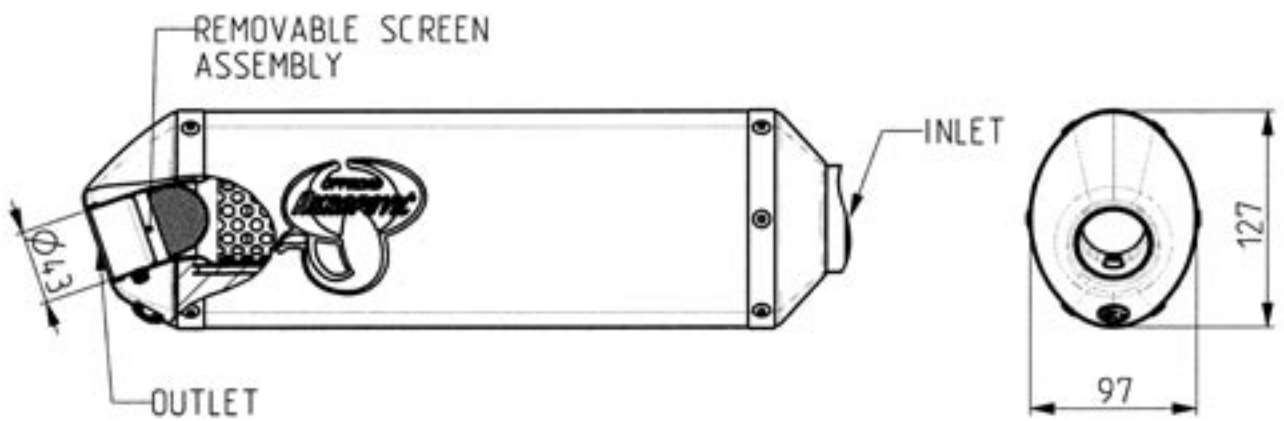
C19035-9 & 10

AKRAPOVIC

AKRAPOVIC



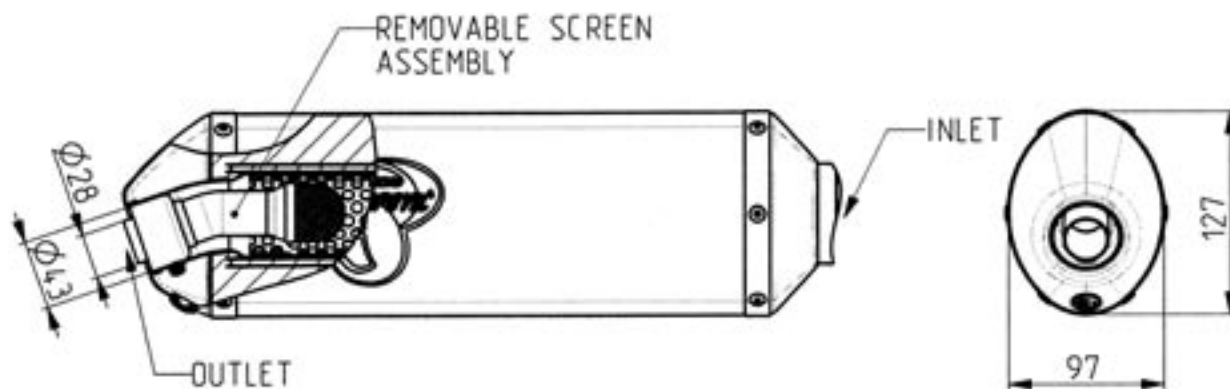
SA-001



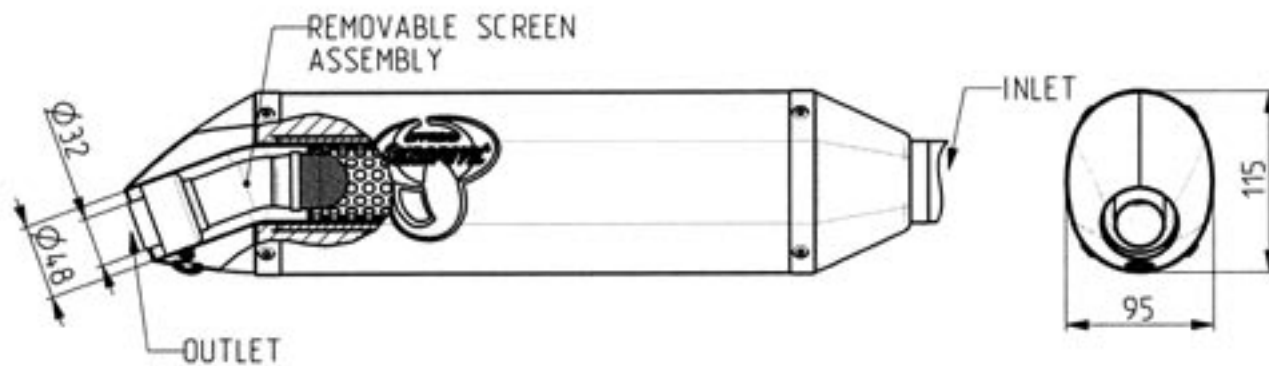
SA-002

AKRAPOVIC

AKRAPOVIC (*Continued*)



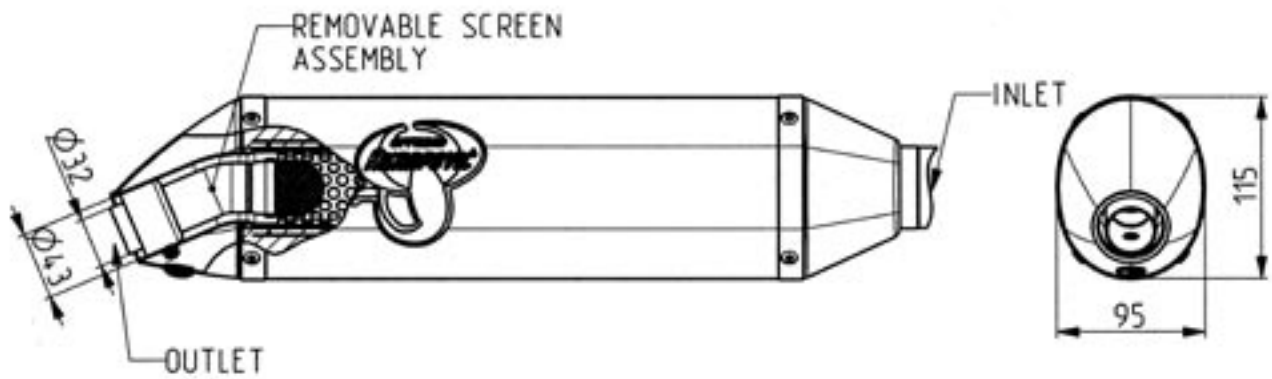
SA-003



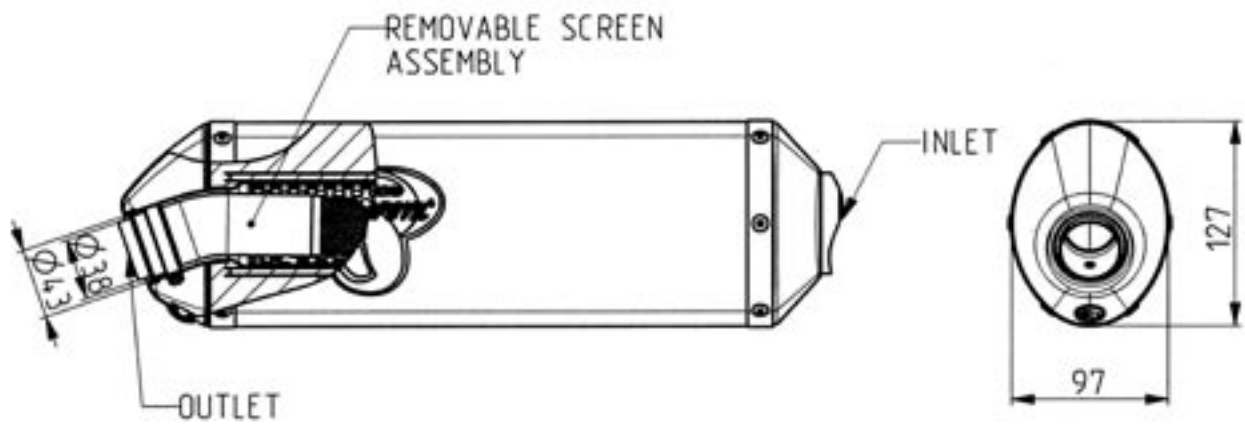
SA-004, 005, 006

AKRAPOVIC

AKRAPOVIC (*Continued*)



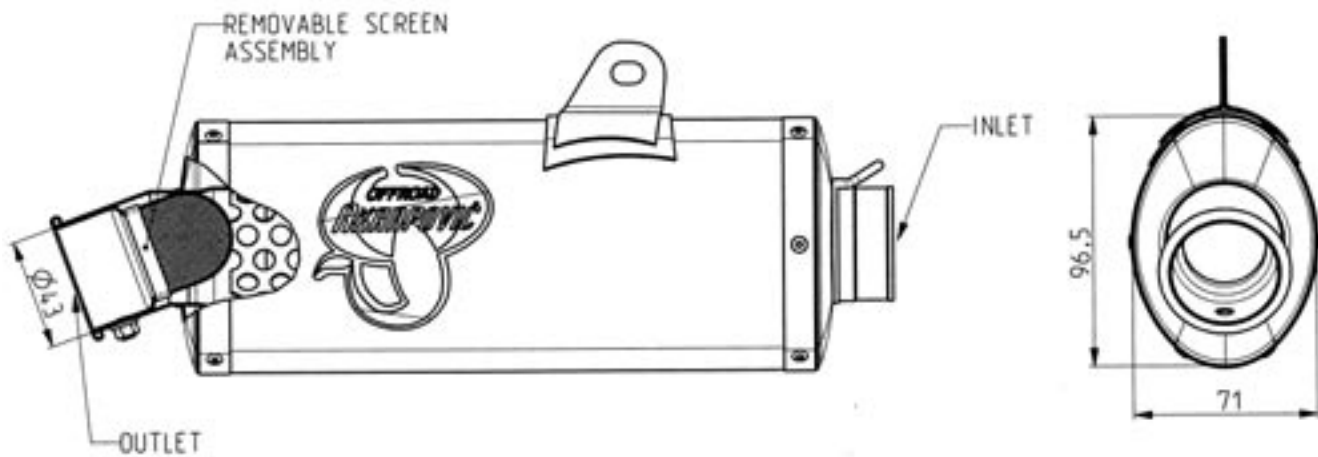
SA-010



SA-011

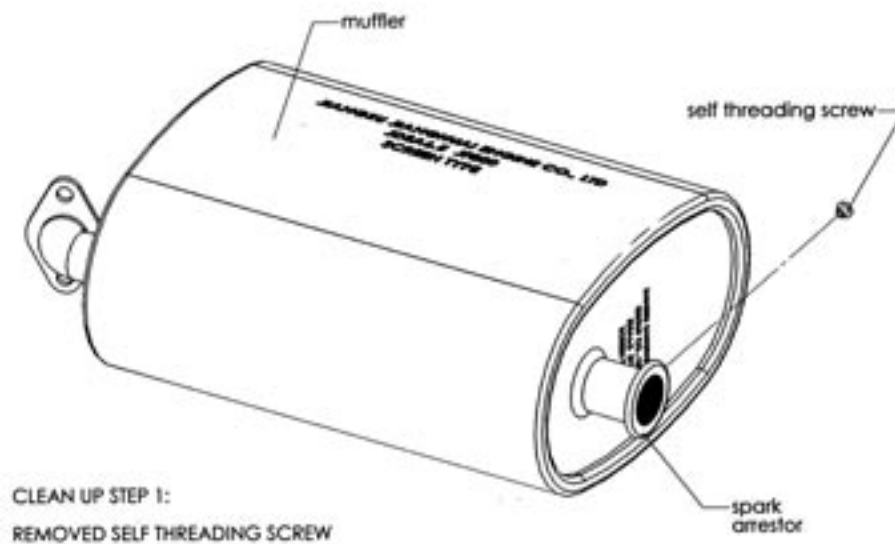
AKRAPOVIC, AMERICAN JD GROUP

AKRAPOVIC (Continued)



SA-012

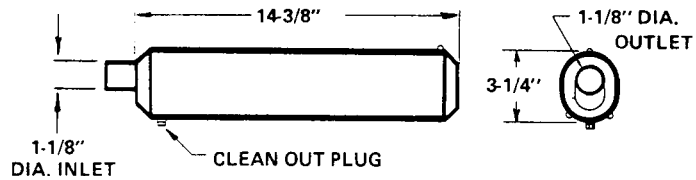
AMERICAN JD GROUP



AMERICAN JD JDS6-5

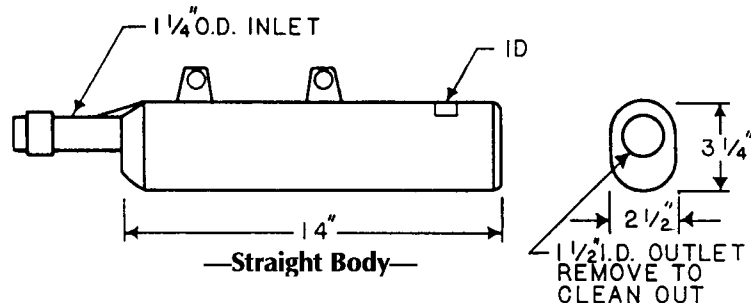
AN KRIZMAN•ANSWER PRODUCTS•ANSWER, J&R

AN KRIZMAN



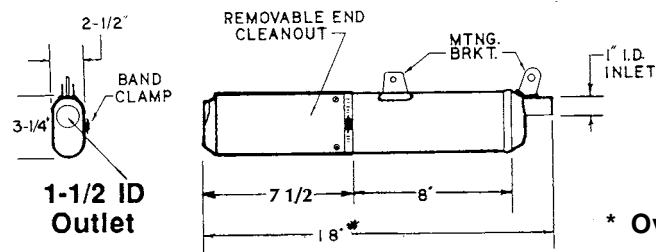
KS 650-O

ANSWER PRODUCTS



AP-650-M

ANSWER, J&R



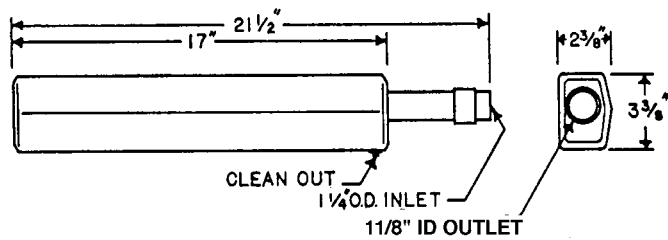
AP 650-C

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

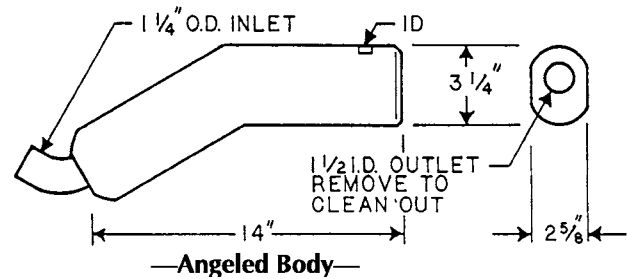
NOTE: The removable end cleanout must be held in place by the band clamp. Welding the removable end cleanout in place is not permitted.

ANSWER, J&R•A.P. PARTS•ARCTIC CAT

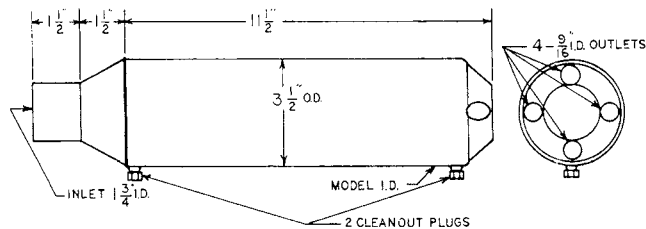
ANSWER, J&R (Continued)



AP-650-D



AP-650-M



AP-650-4

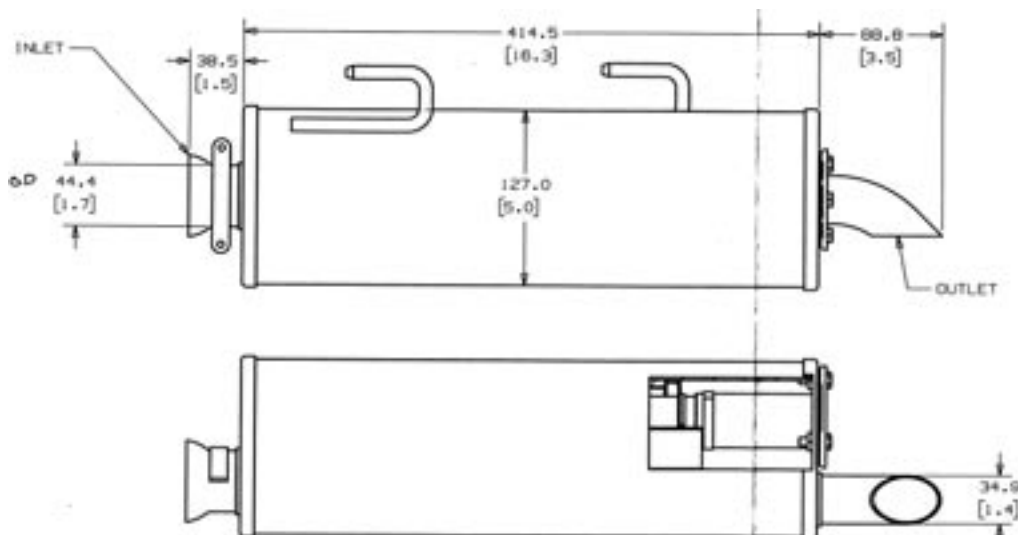
A.P. PARTS

X

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

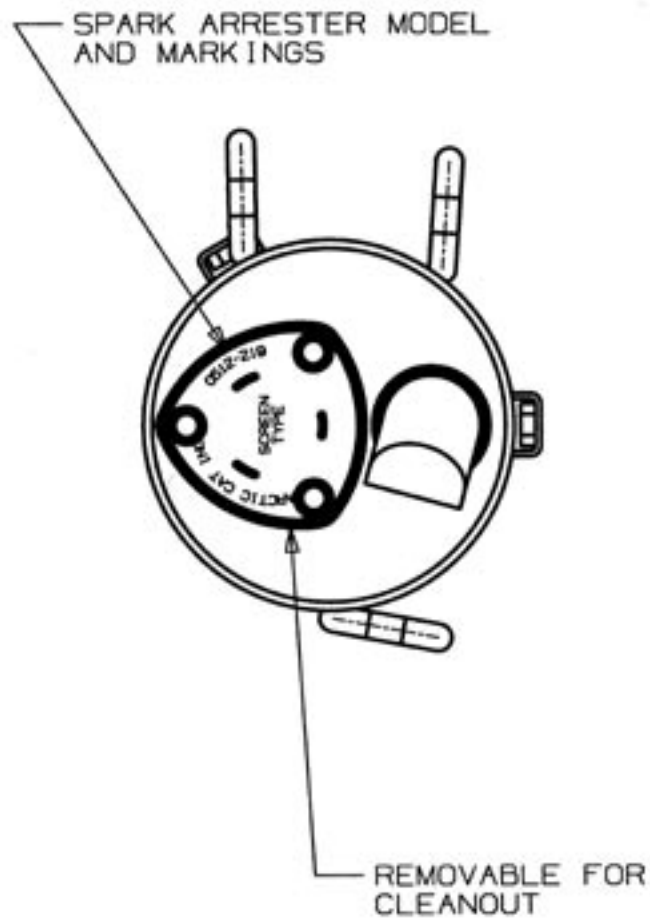
ARCTIC CAT



0512-219

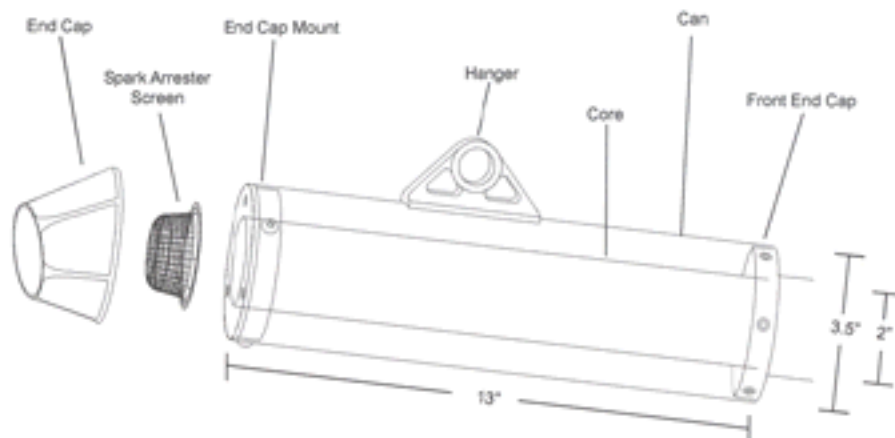
ARCTIC CAT, BBR MOTORSPORTS

ARTIC CAT (*Continued*)



Artic Cat 512-305 & 512-306

BBR MOTORSPORTS

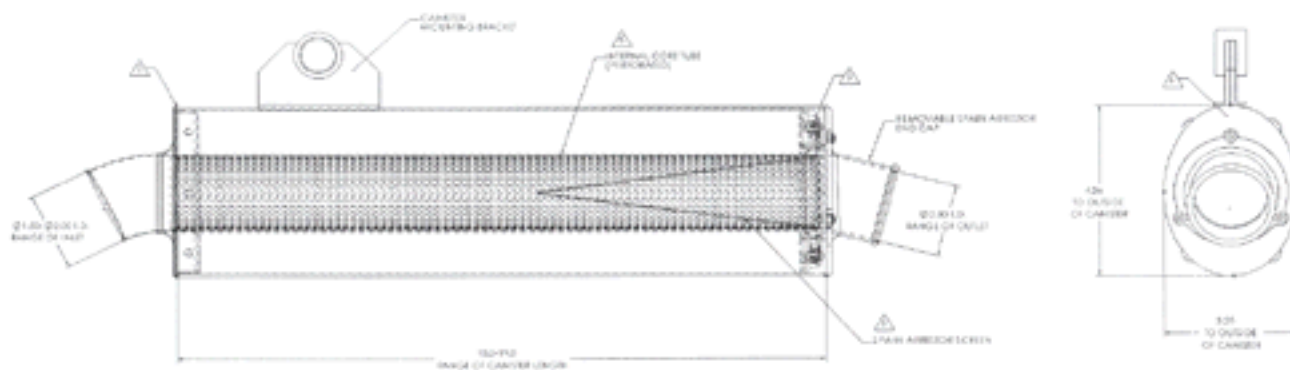


BBR-340-SA

BERKELEY•BIG GUN

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

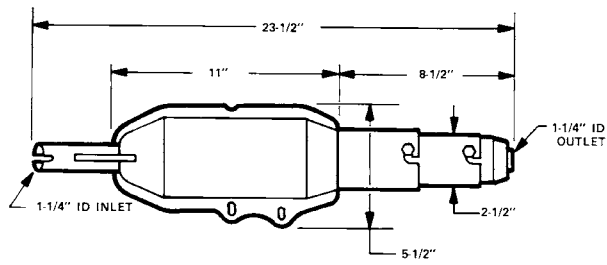
BIG GUN



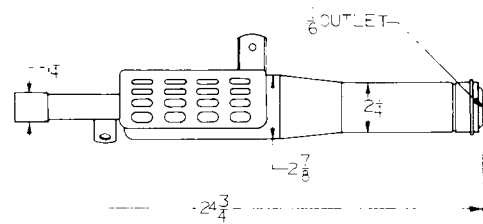
BG2001-BG2002—same as
BigGun WB-2001

BOMBARDIER•BOMBARDIER-KRIZMAN

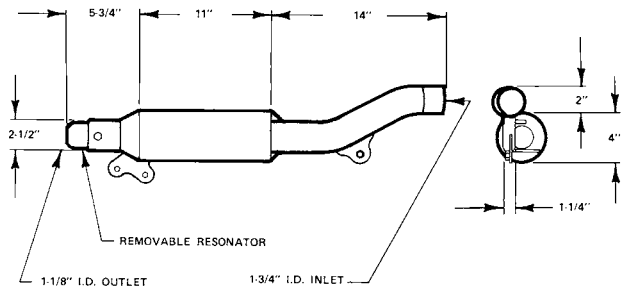
BOMBARDIER•BOMBARDIER-KRIZMAN



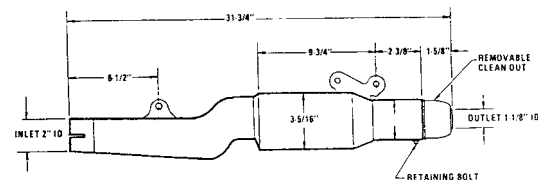
1980



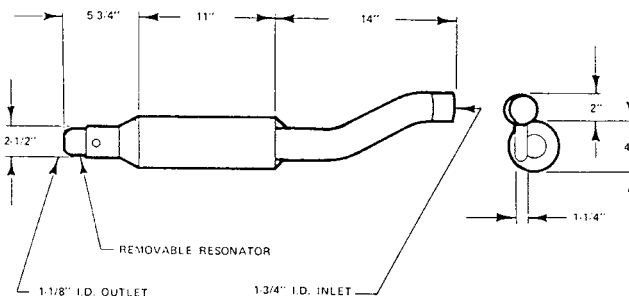
CA-950



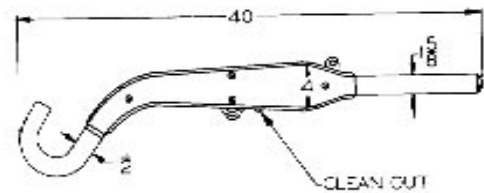
CA-952



**BOMBARDIER LIMITEE
CA-952-1**



CA-953



KS-250

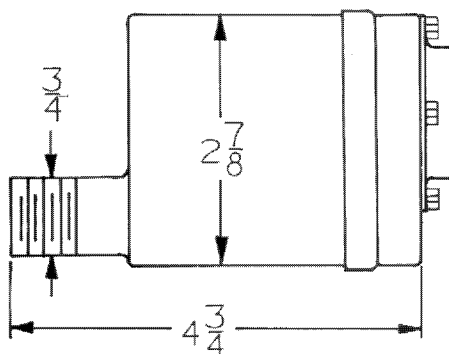
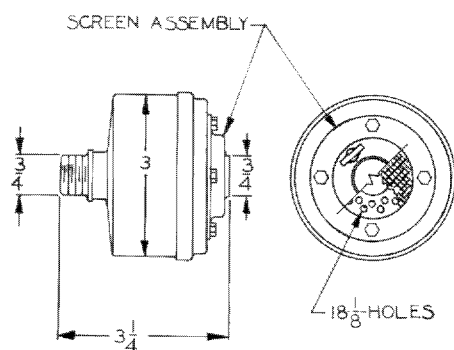
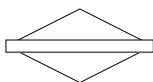


B0707600066

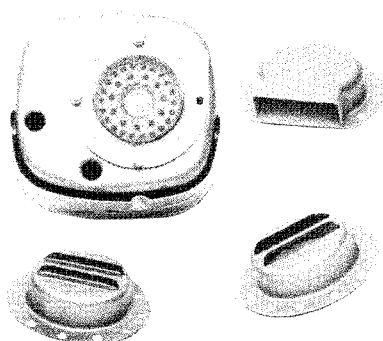
No diagrams available for the following:
BOMBARDIER18300152
Refer to General Purpose Qualification Table
at end of section for rating.

BRIGGS-STRATTON

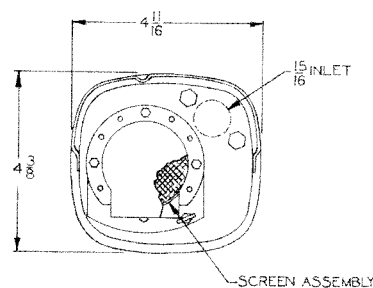
BRIGGS & STRATTON



391911 or 391912

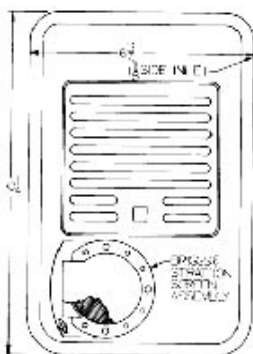


391913

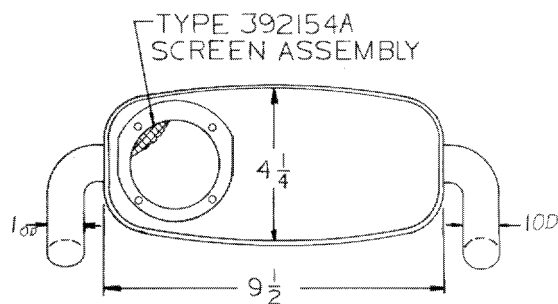


391913 or 393010

For Briggs & Stratton 391915 see Nelson T-14106

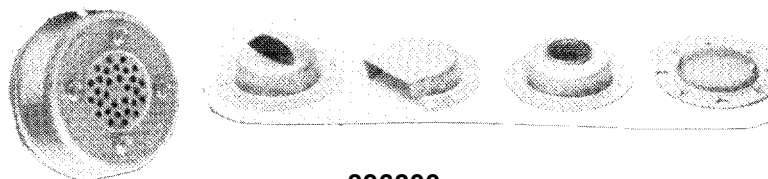


36742
Screen Assembly 392154



392154A

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

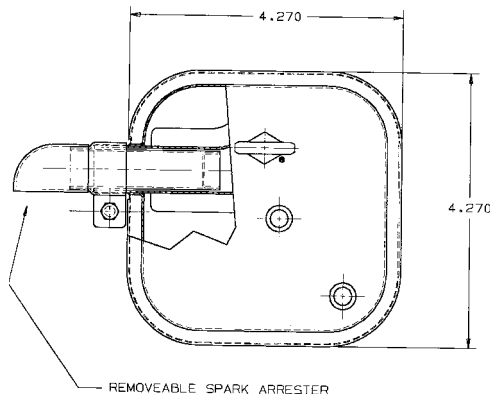


396800

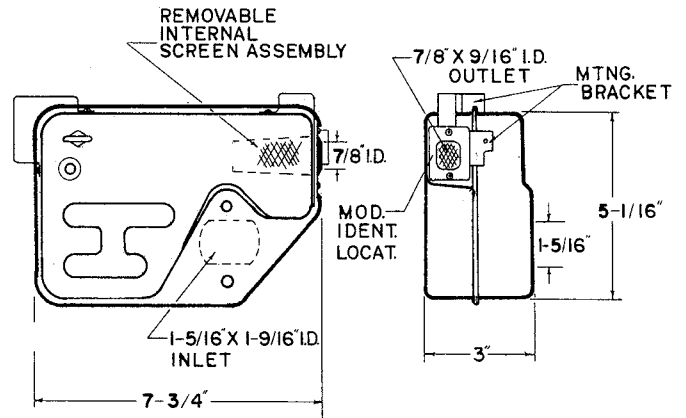
BRIGGS & STRATTON

BRIGGS & STRATTON (*continued*)

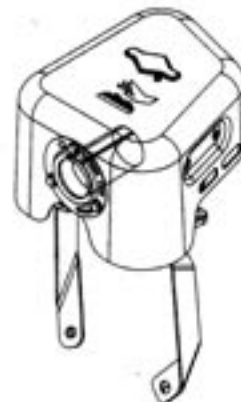
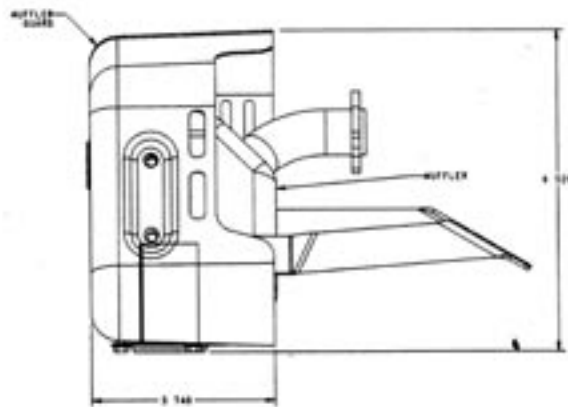
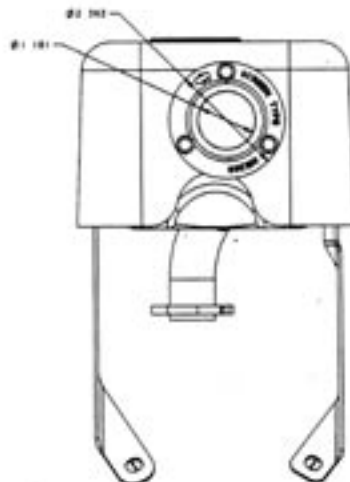
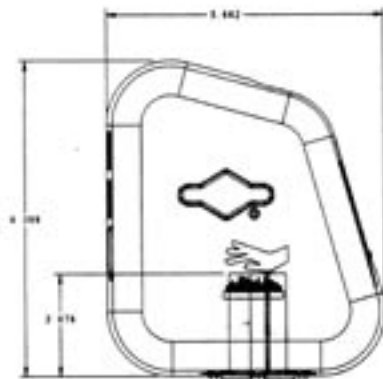
Briggs & Stratton model 392154 screen assembly on 392989 muffler body—note screen assembly 392154 and 392154A are interchangeable. See drawing 391911 or 391912 on page 68.



494486



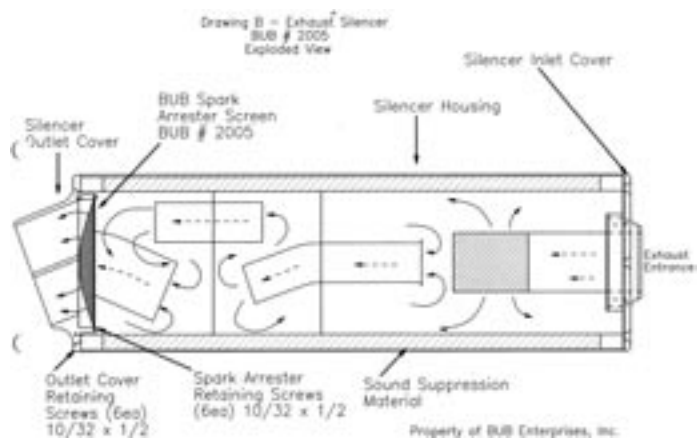
802502



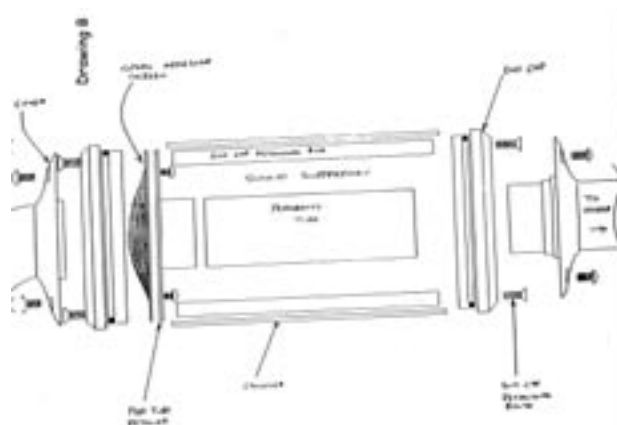
816268

BUB ENTERPRISES•BURGESS-MANNING

BUB ENTERPRISES

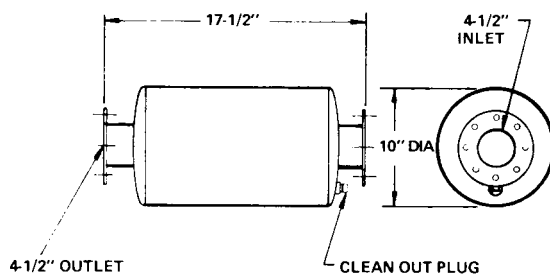


BUB 2005

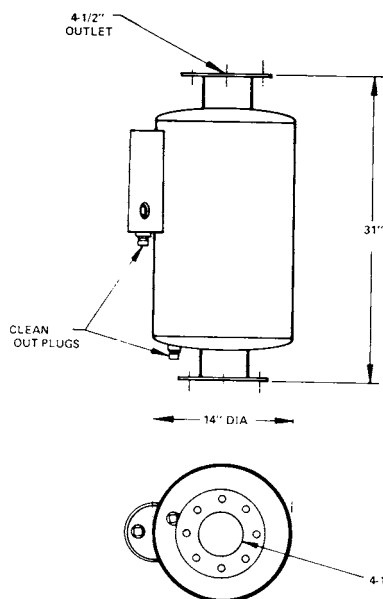


BUB G2187

BURGESS-MANNING



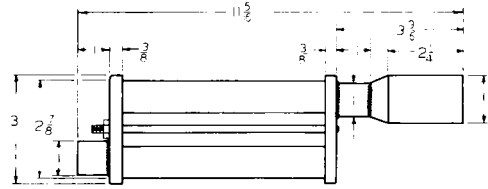
SAT-4



SDMC-4

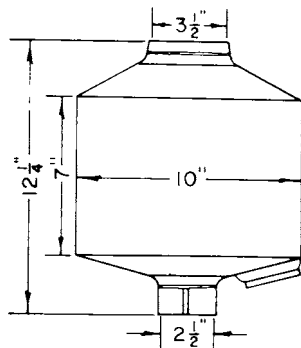
CAL-TUBE•CATERPILLAR•CEDCO

CAL-TUBE

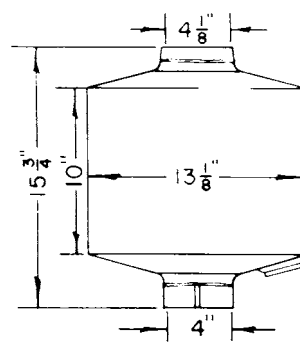


12853

CATERPILLAR



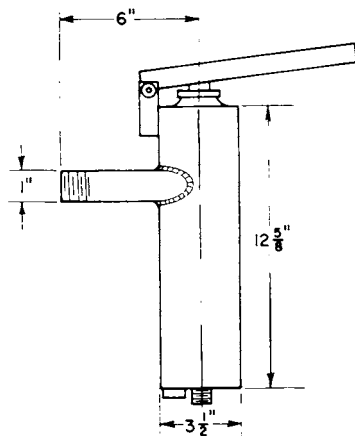
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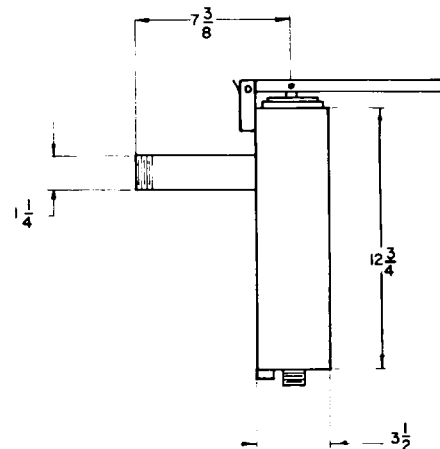
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For Caterpillar 3B7941—See Donaldson FCM07-0068
For Caterpillar 8N70741—See Donaldson FMM12-0303

CEDCO



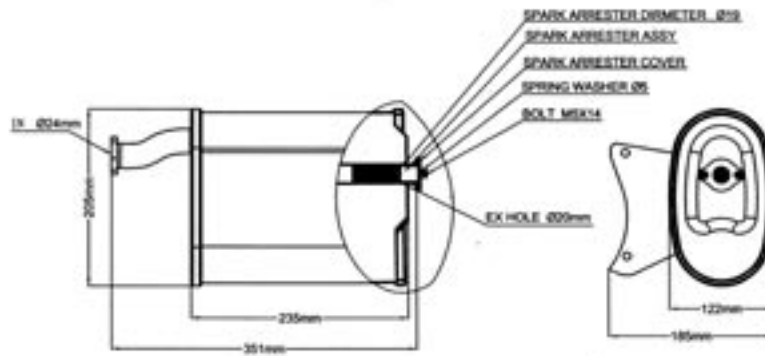
NO. 1



NO. 2

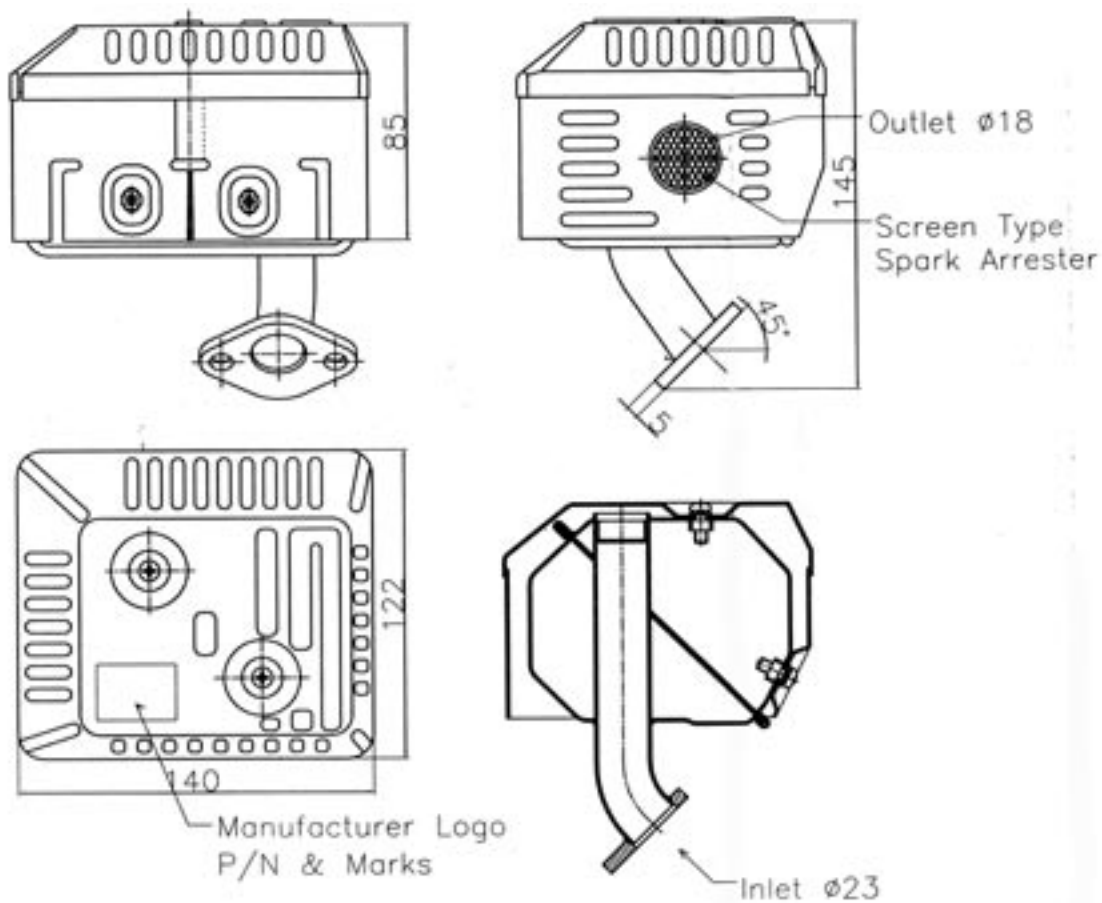
CHAMPION POWER EQUIPMENT•CHONGQING LONCIN

CHAMPION POWER EQUIPMENT



Champion 88

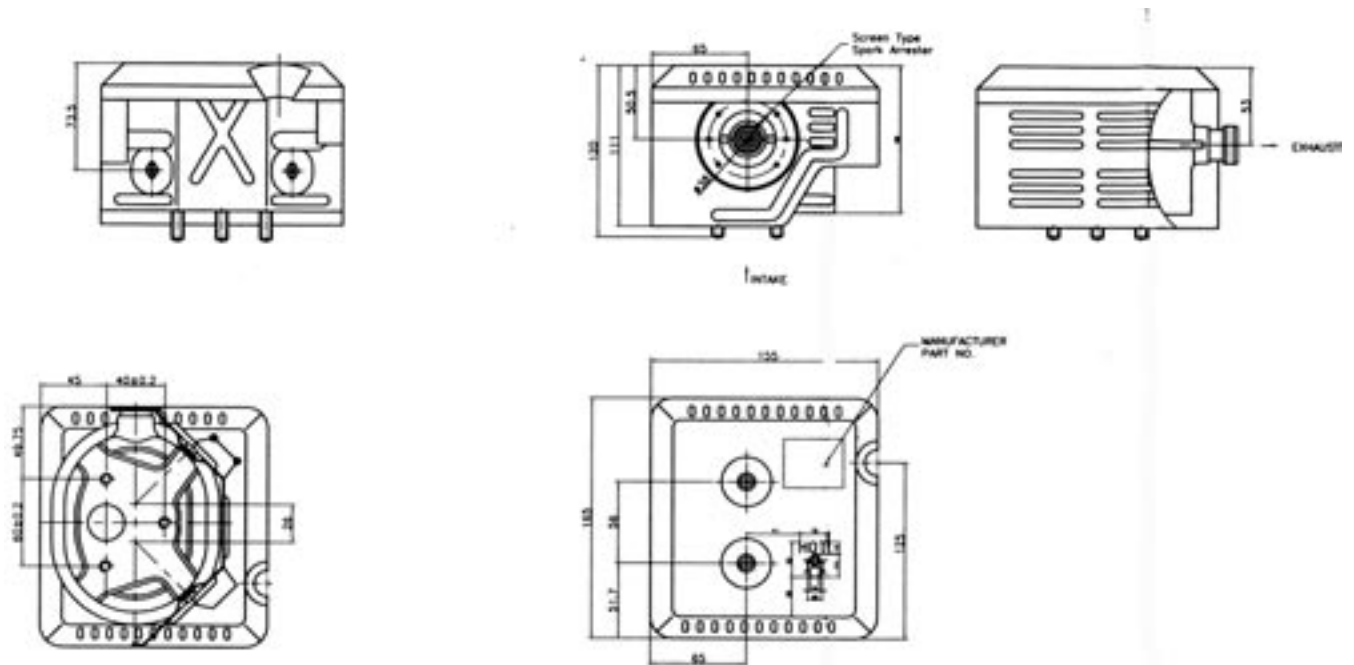
CHONGQING LONCIN



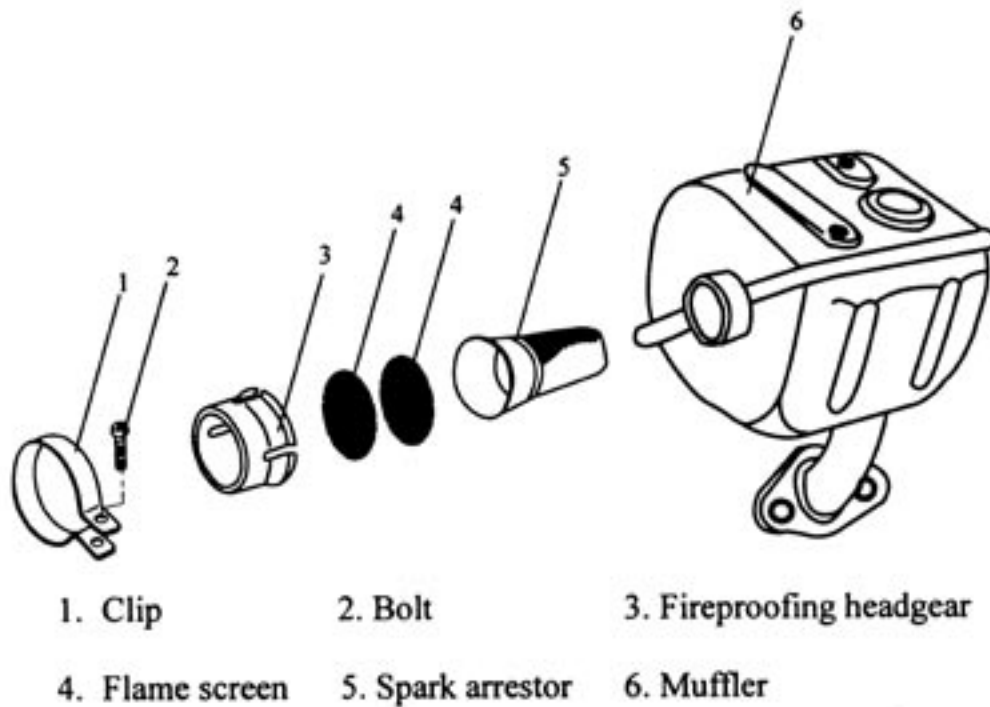
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CHONGQING LONCIN

CHONGQING LONCIN (*Continued*)



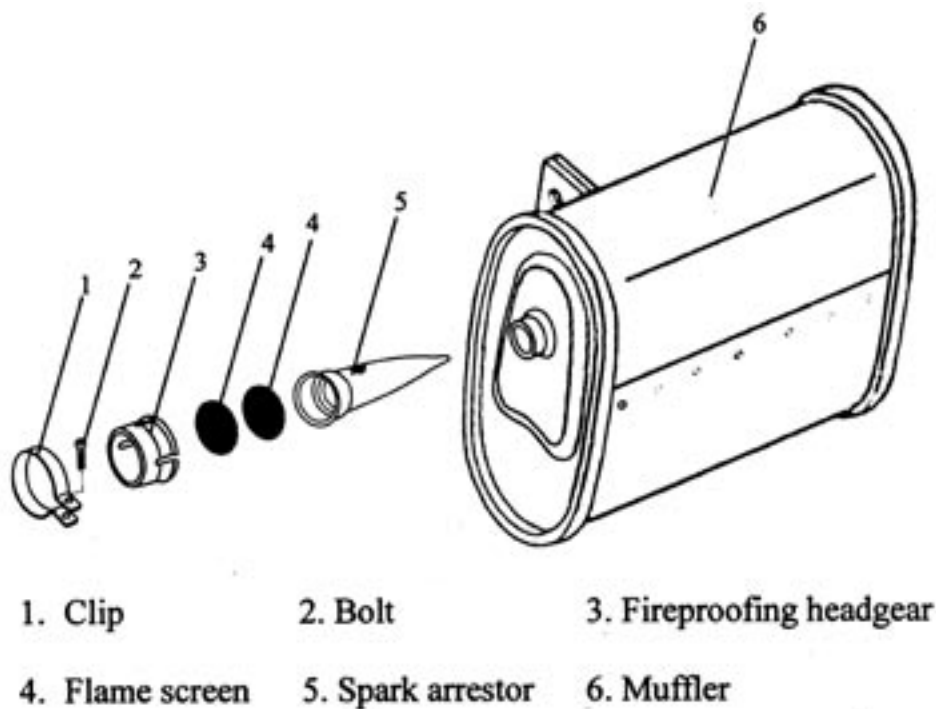
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Chongqing Loncin 113100-126

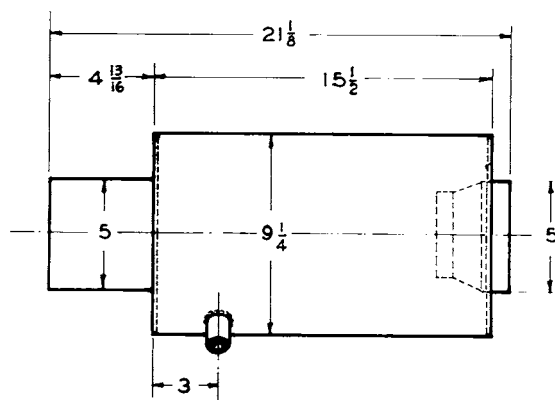
CHONGQING LONCIN•CLARK

CHONGQING LONCIN (*Continued*)



Chongqing Loncin 213100-248

CLARK

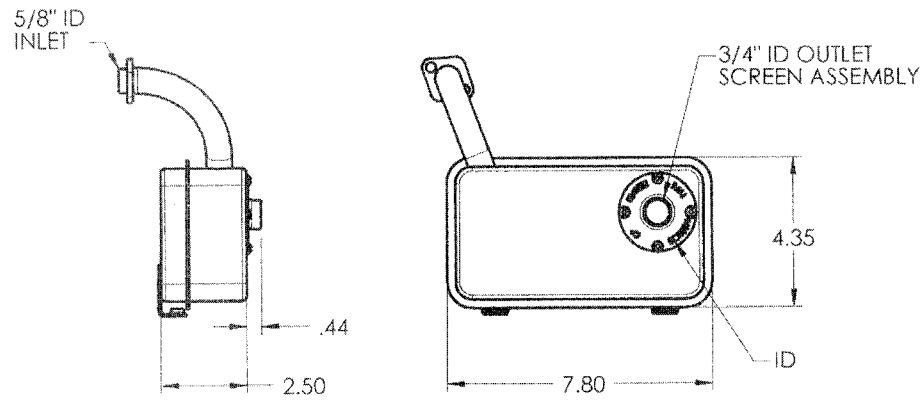


CAC 2000

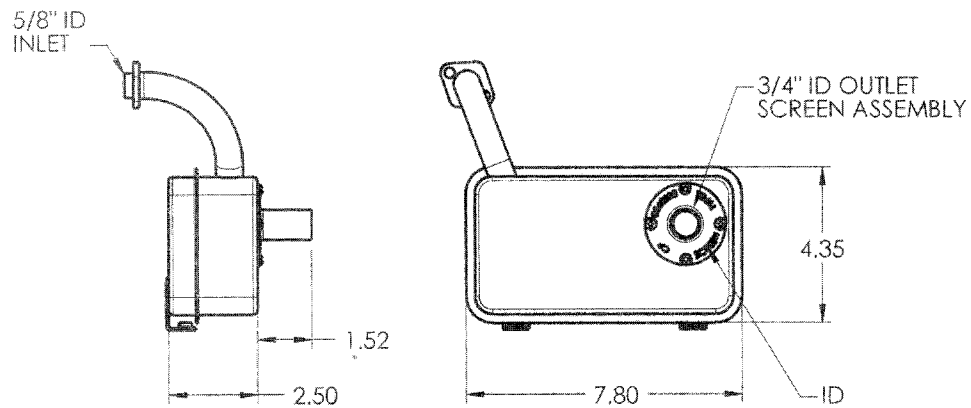
Clark Equipment company—Melrose Division
For Clark 6547049—see Nelson T-13473
For Clark 6551409—see Nelson T-14415
For Clark 6552340—see Nelson T-14907

COLEMAN

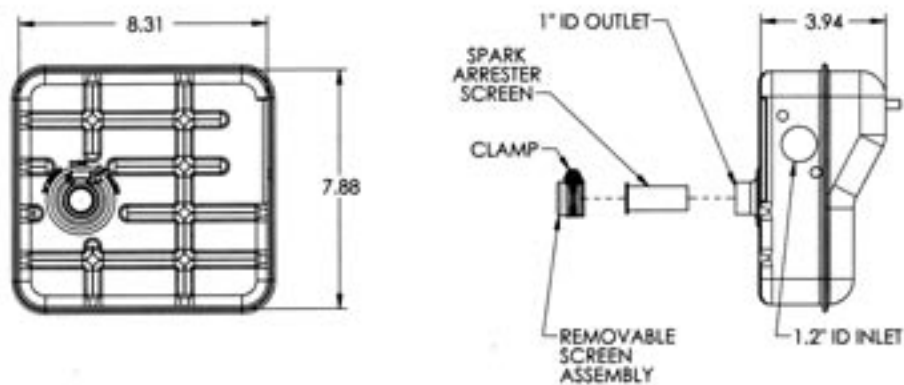
COLEMAN



COLEMAN POWERMATE - 0049822



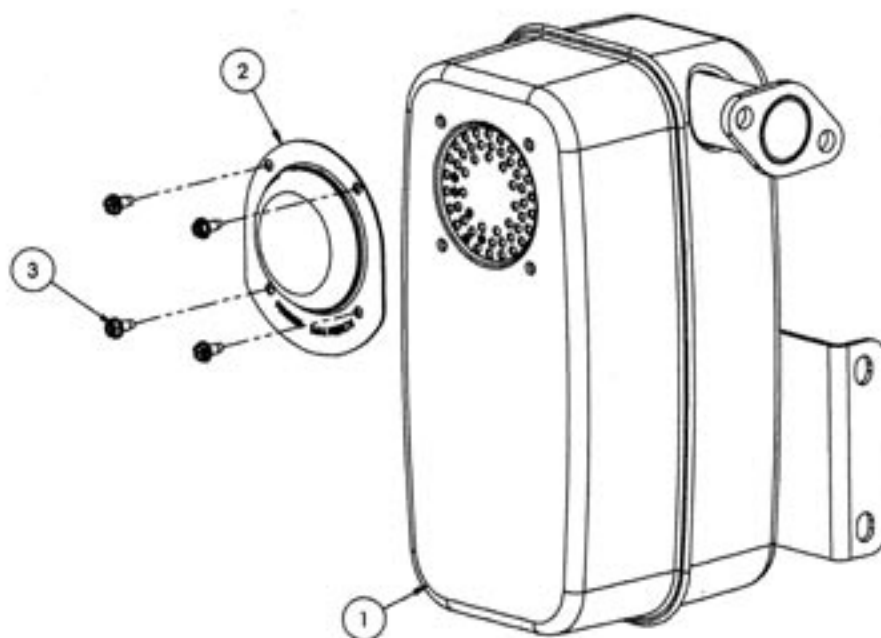
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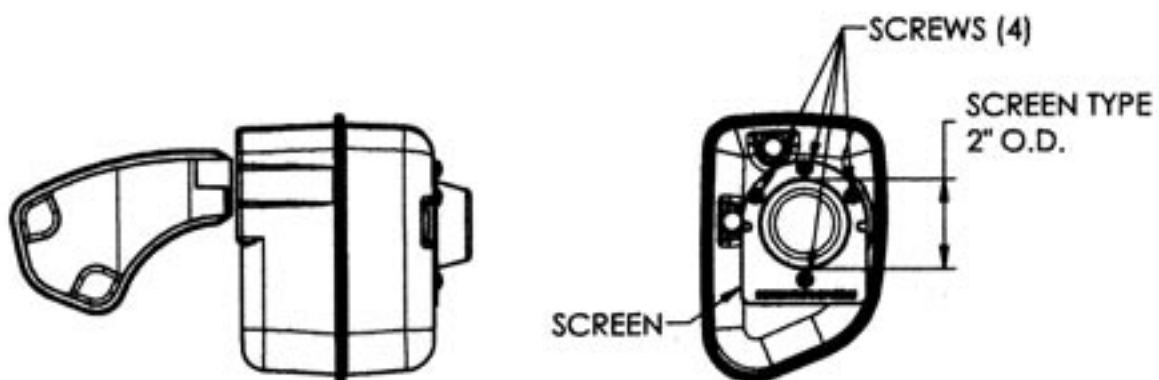
COLEMAN POWERMATE CP04402

COLEMAN

COLEMAN



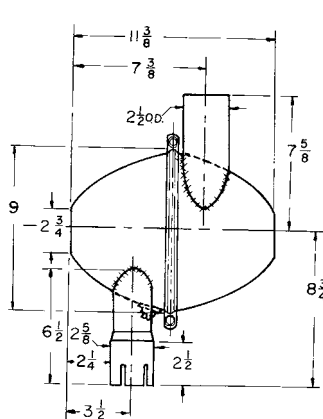
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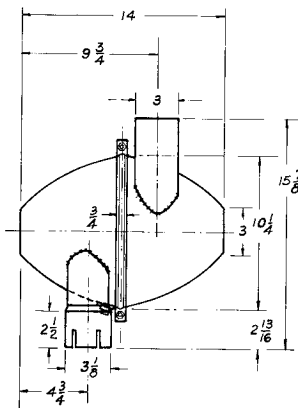
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CONE•COOP

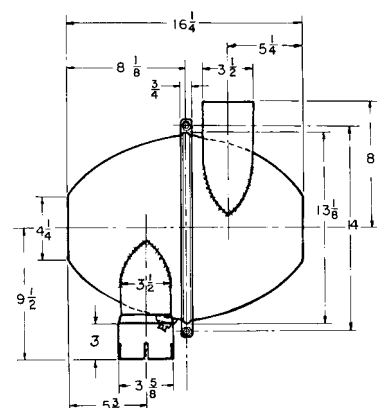
CONE



8-D



10-D



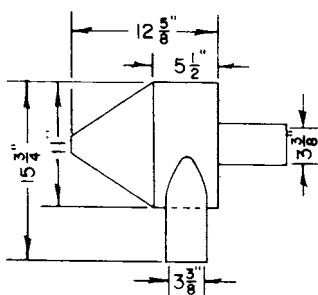
12-D

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"

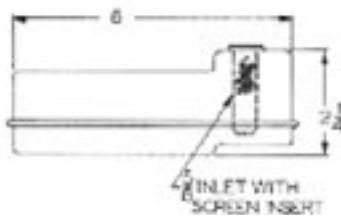
Known dimensions 1500

Inlet pipe diam. 4"

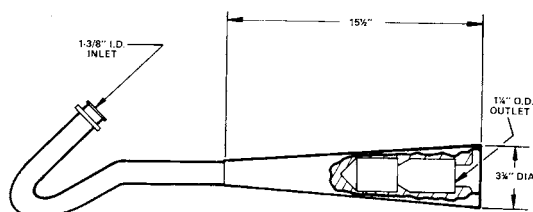
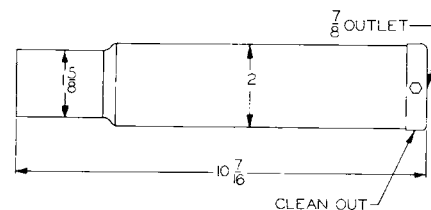
Outlet pipe diam. 4"

Main body diam. 15"

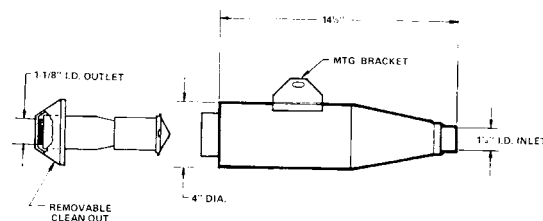
COOP



400A



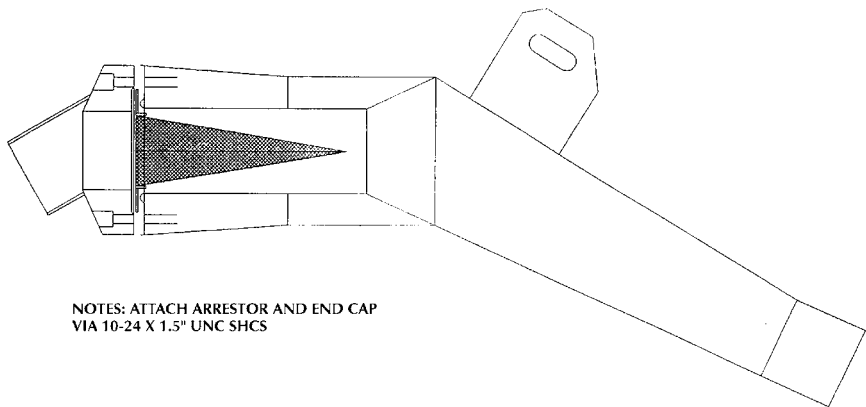
COOP 500A for LT 125



500B

CYCLE GEAR•DAISHIN INDUSTRIES•DAVIS

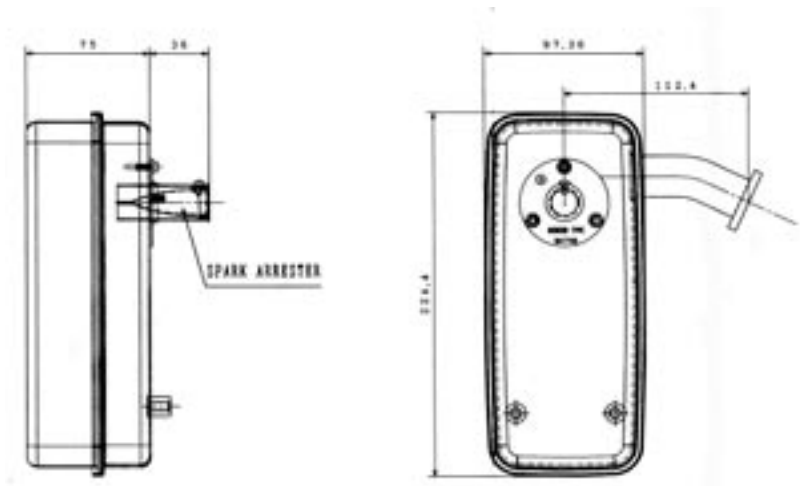
CYCLE GEAR



NOTES: ATTACH ARRESTOR AND END CAP
VIA 10-24 X 1.5" UNC SHCS

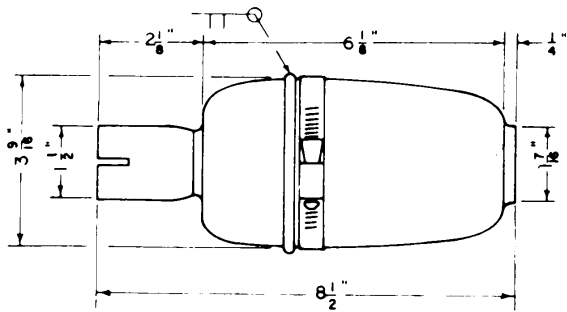
CYCLE GEAR #1

DAISHIN INDUSTRIES



DAISHIN INDUSTRIES SA 17102

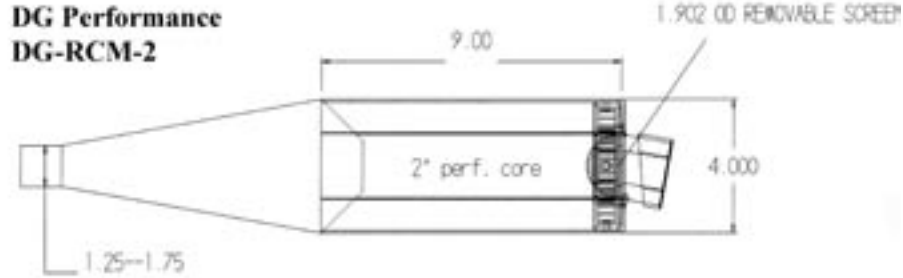
DAVIS



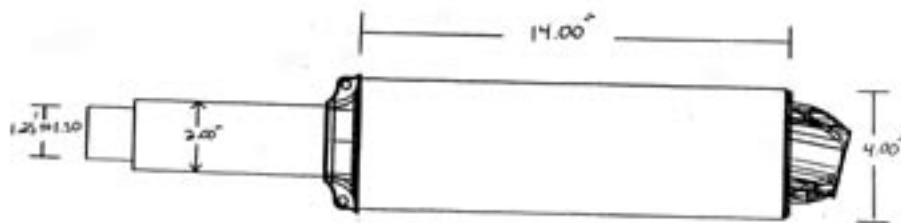
D-L 260

DG PERFORMANCE SPECIALITIES•DISCOJET

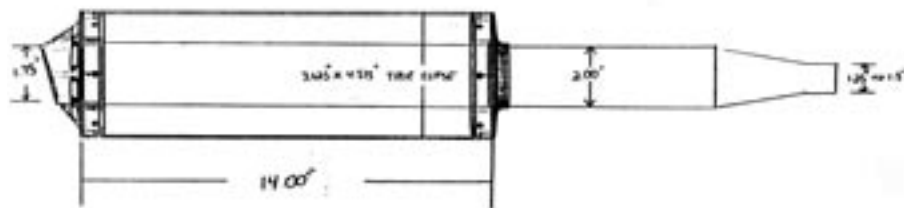
DG PERFORMANCE SPECIALITIES



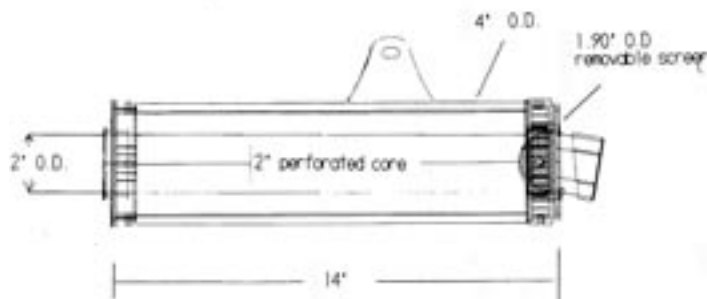
DG Performance Specialities DG RCM 2



DG Performance Specialities DG-03



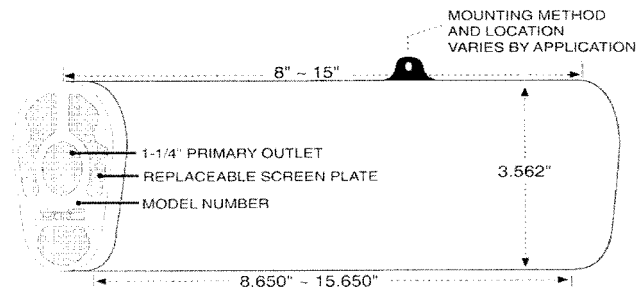
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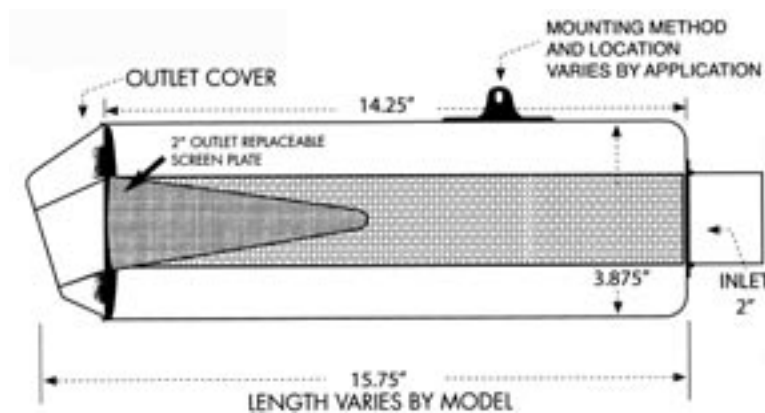
DG Performance Specialities DG-05

DISCOJET

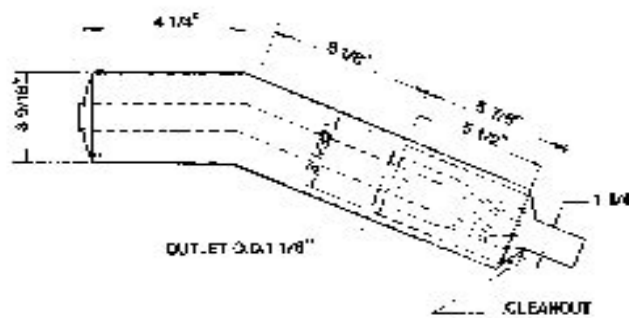
No diagrams available:
Refer to General Purpose Qualification Table at end of section for rating.
See SuperTrapp



DMCA2



DMC B1



DMC2-K

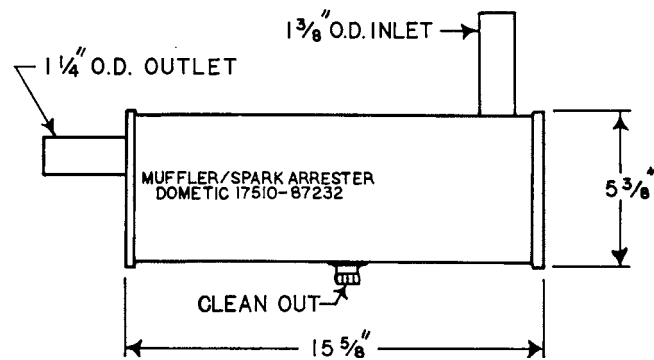
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DMC-K

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

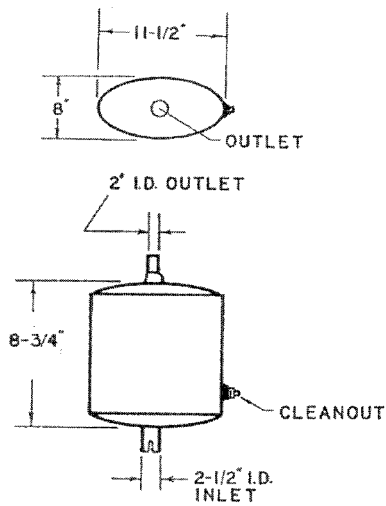
DOMESTIC•DONALDSON

DOMESTIC

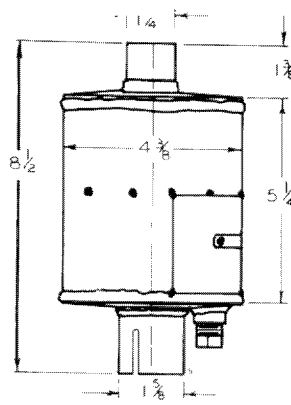


17510-87232

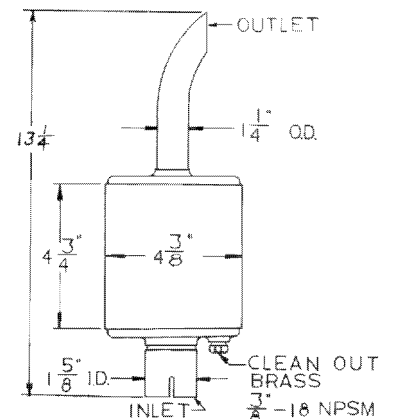
DONALDSON



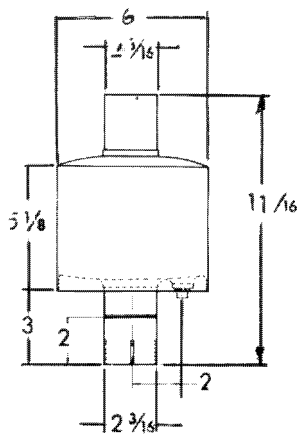
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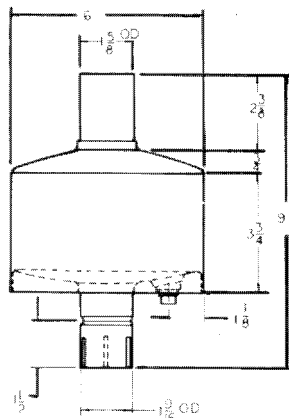
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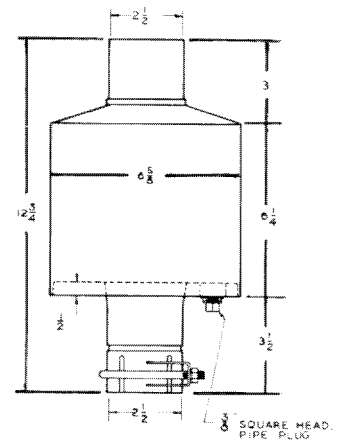
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FCM06-0037



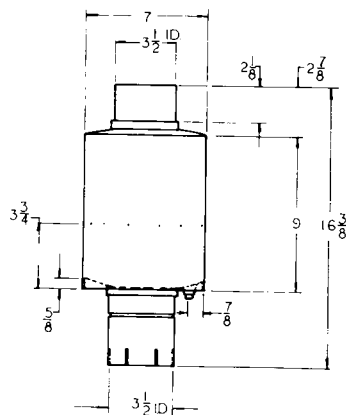
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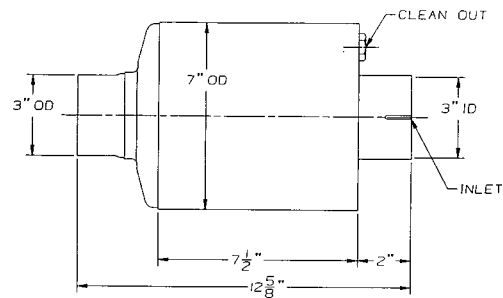
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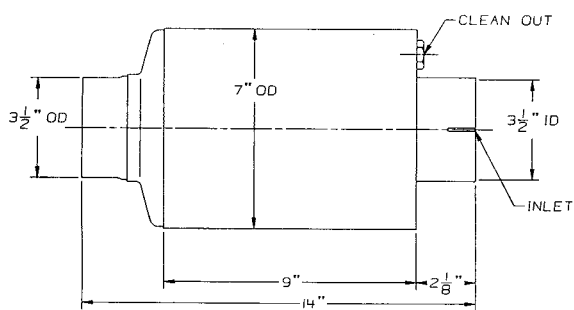
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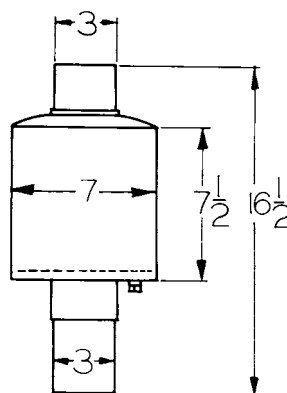
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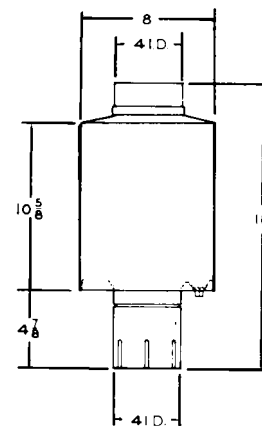
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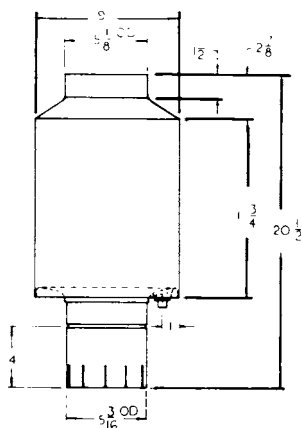
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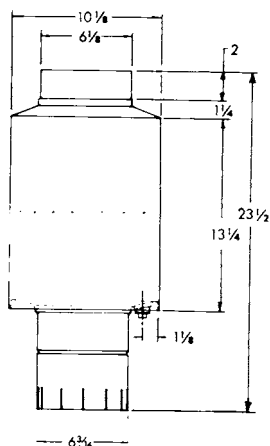
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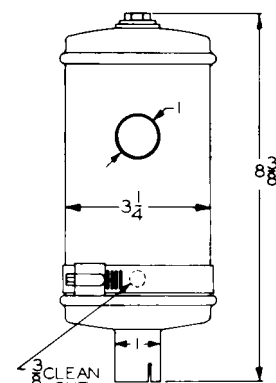
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FCM09-0091



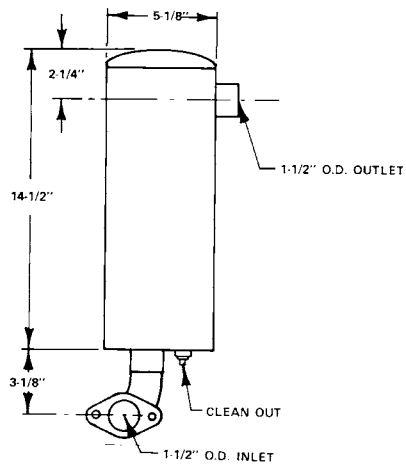
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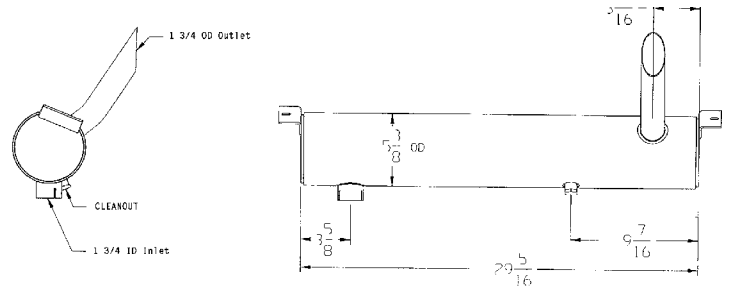
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DONALDSON

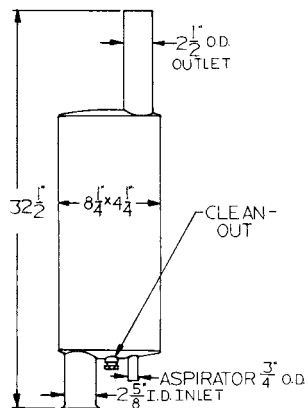
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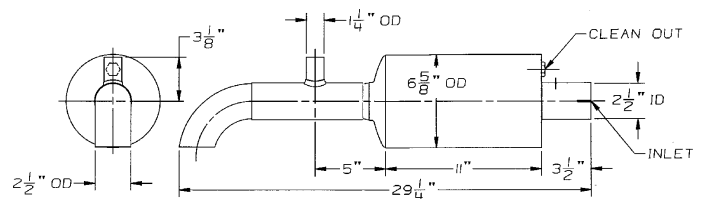
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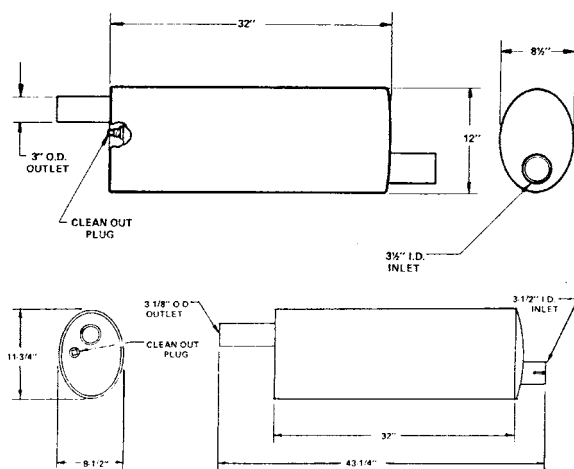
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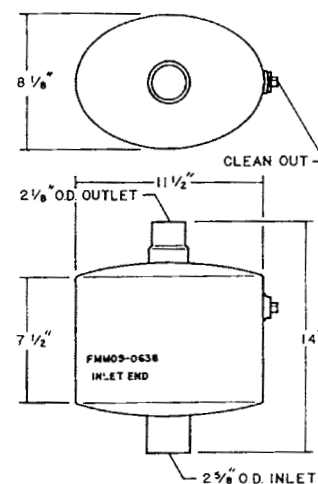
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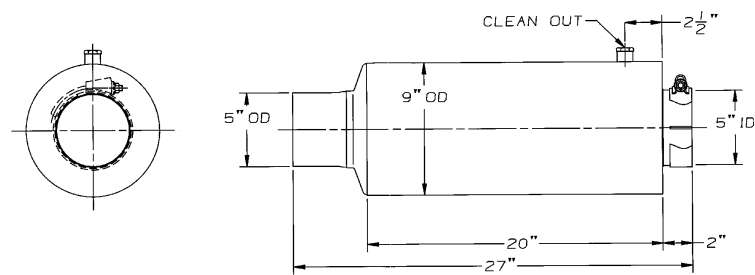
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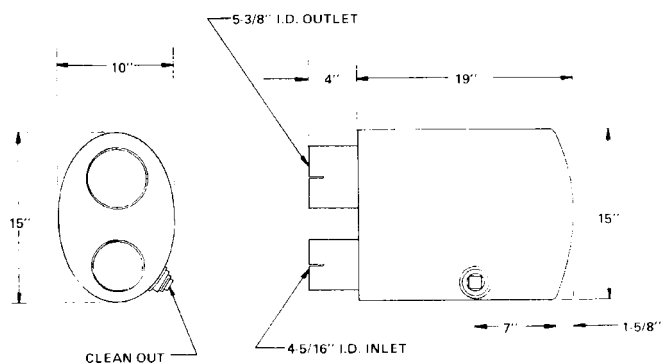
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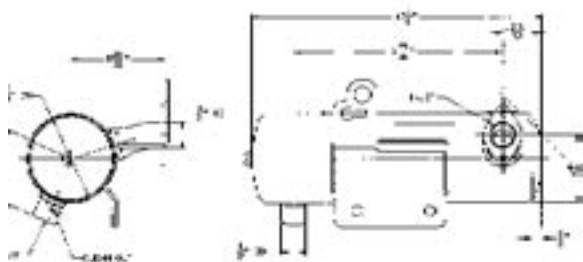
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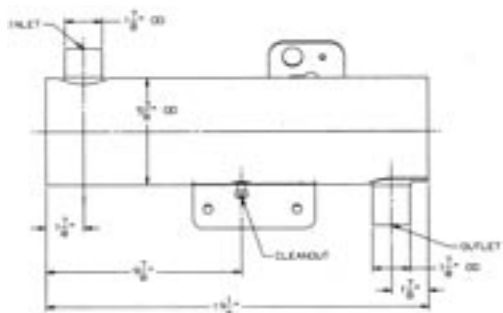
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(CAT. 8N7074-1)



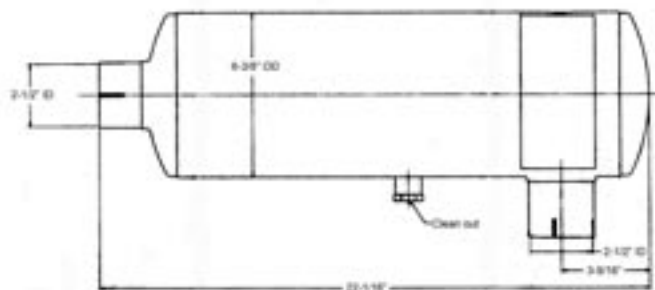
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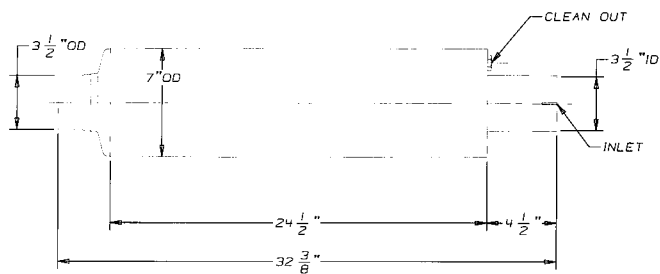
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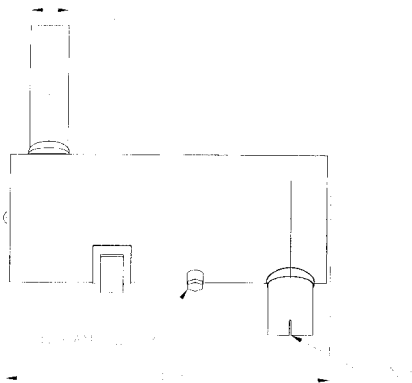
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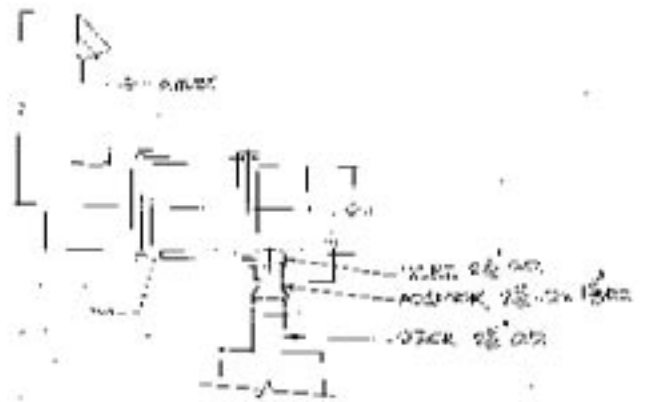
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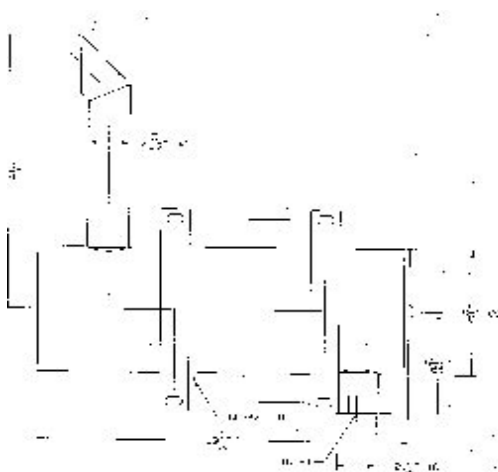
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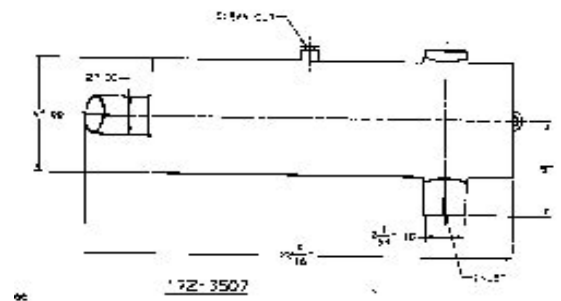
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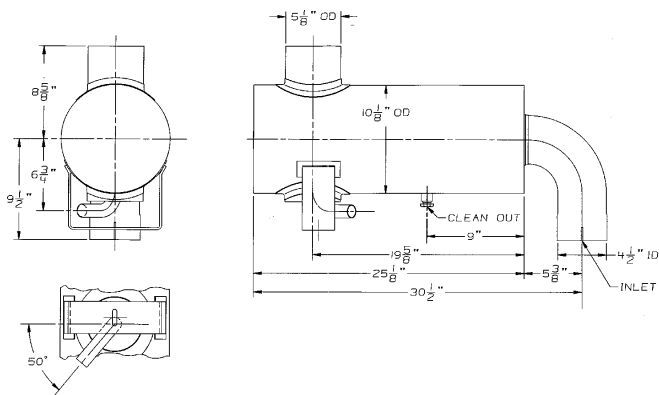
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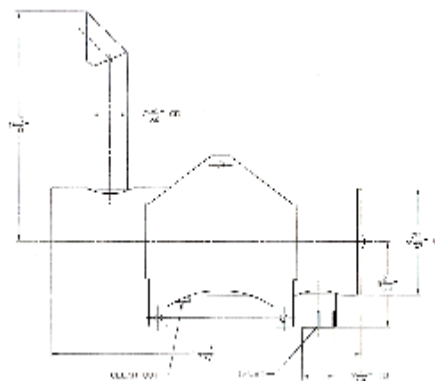
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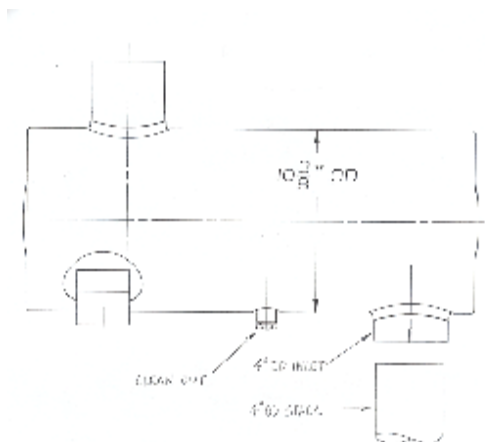
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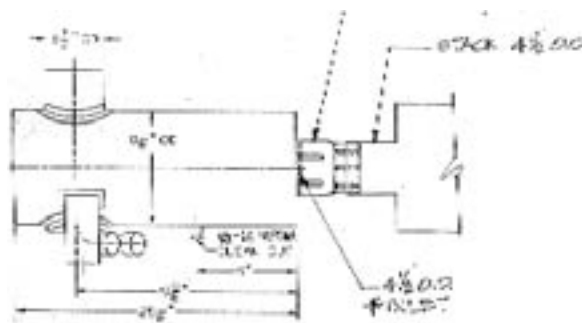
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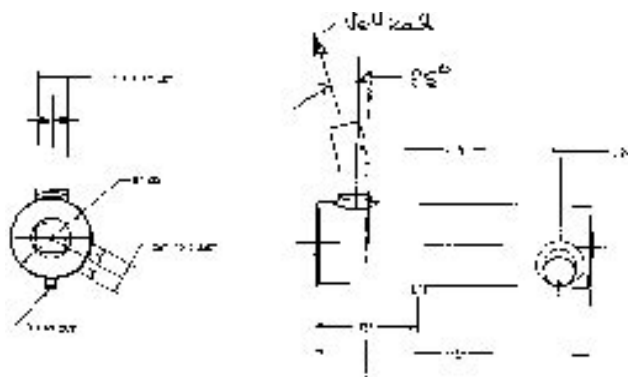
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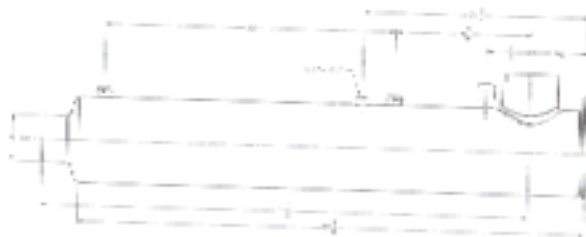
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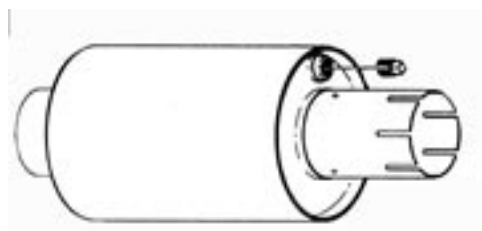
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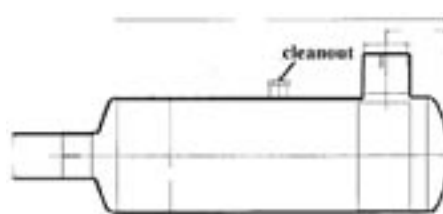
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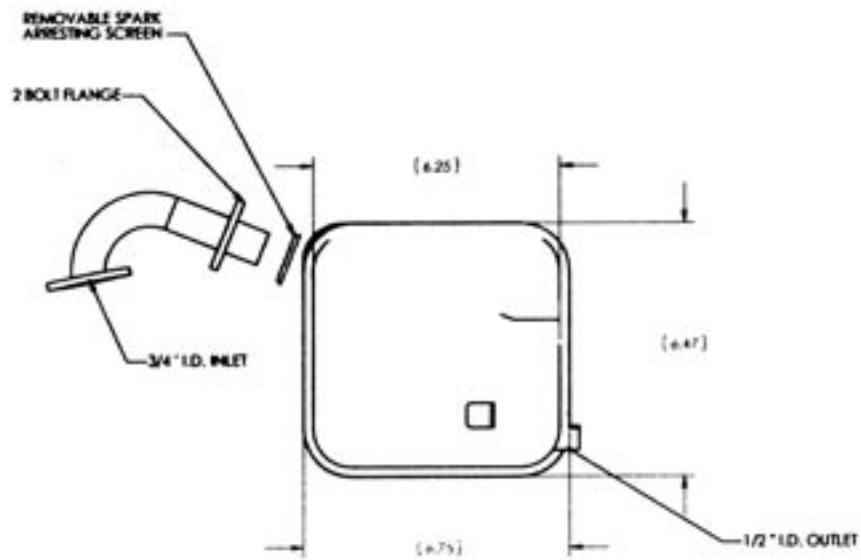
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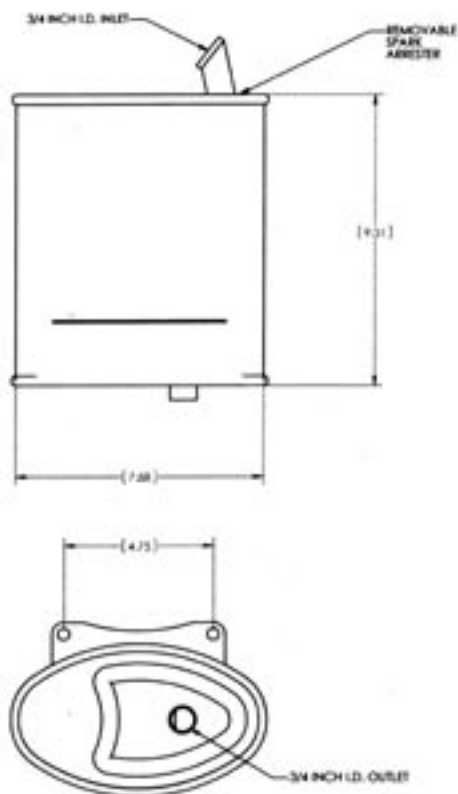
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EASTERN TOOLS & EQUIPMENT

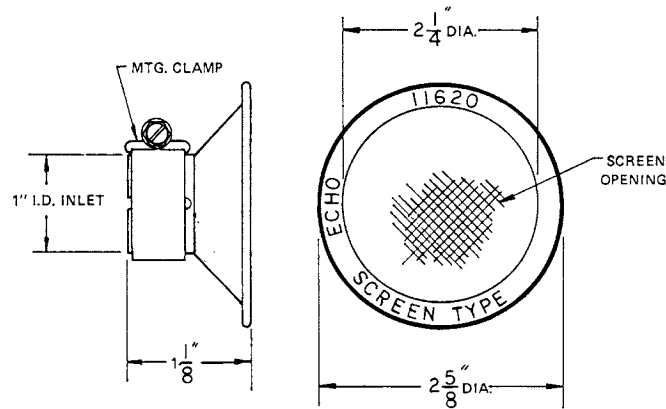
EASTERN TOOLS & EQUIPMENT



TG1200

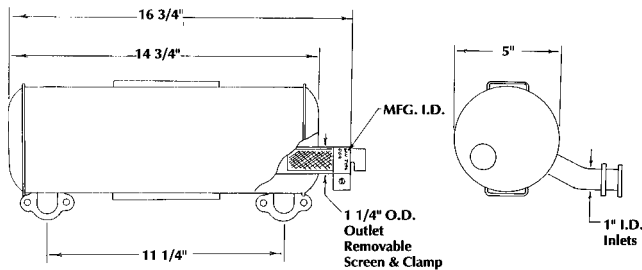


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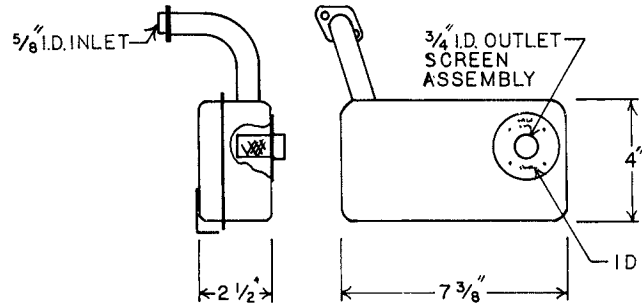


ECHO 11620

EES



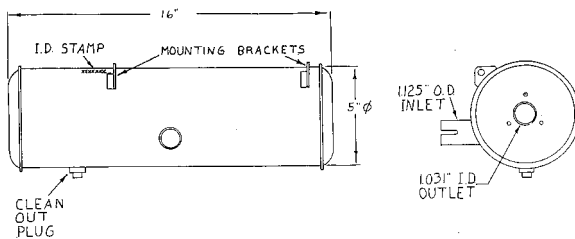
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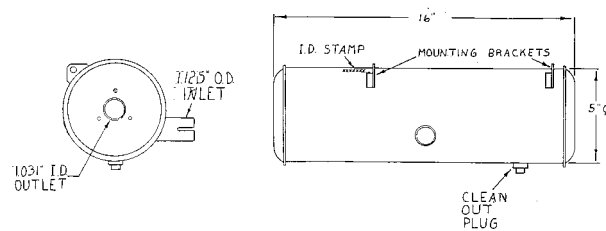
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No diagrams available for the following:
EES 56378

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



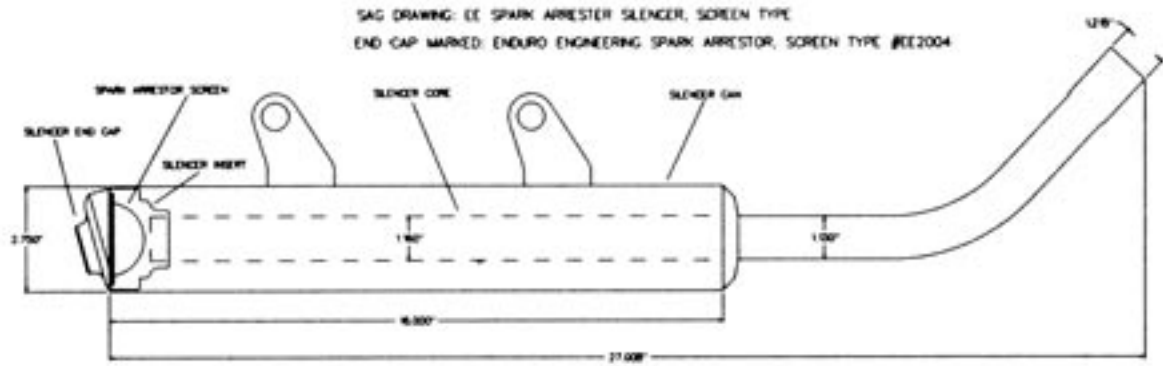
EES 92675



EES 92675A

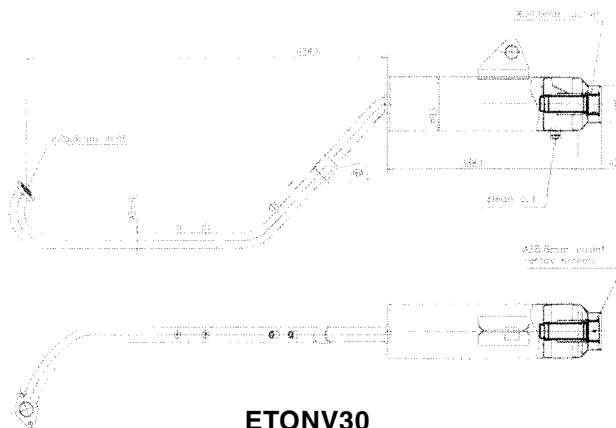
ENDURO ENGINEERING•ETON

ENDURO ENGINEERING

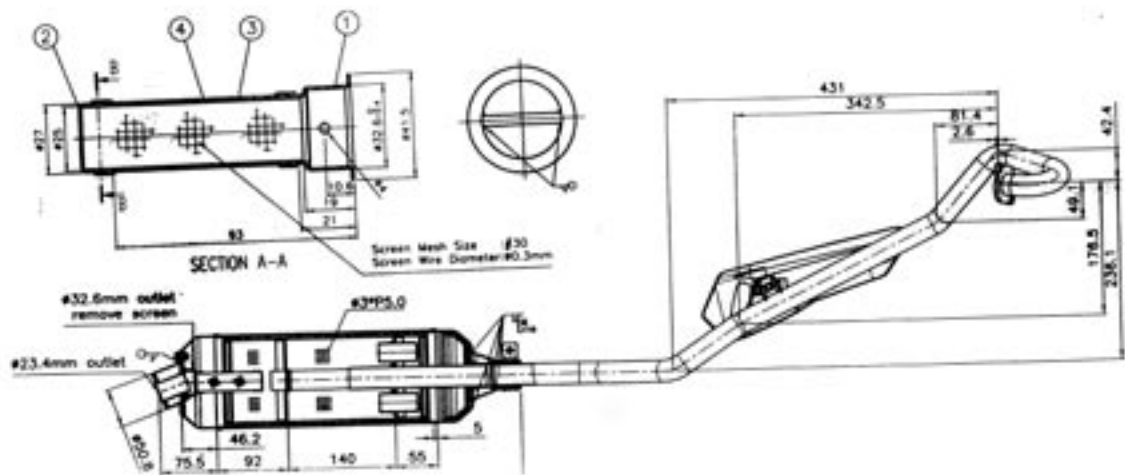


EE2004

ETON



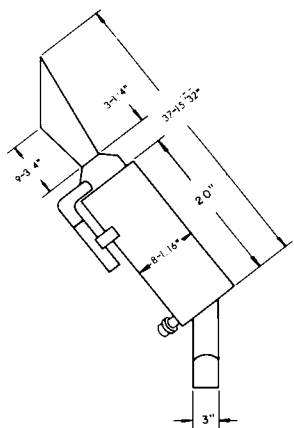
ETONV30



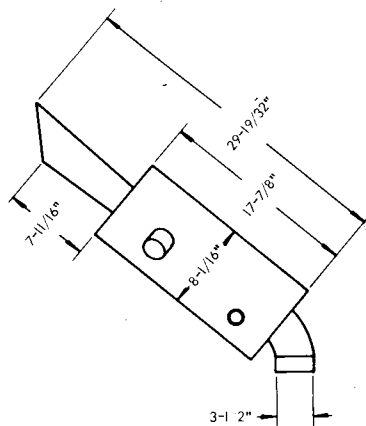
Eton America JI-EE A29

FARR ASPIRATOR

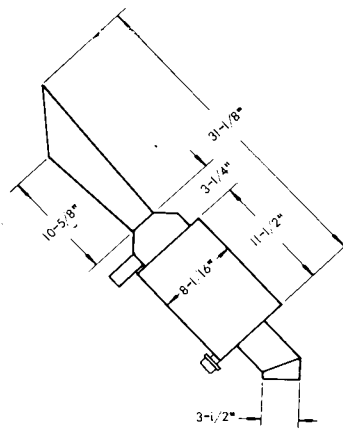
FARR ASPIRATOR



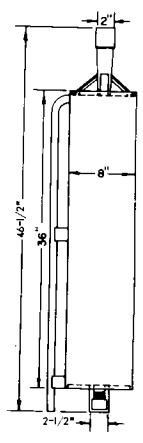
B16647-1



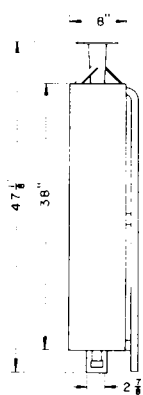
B17345



B18854



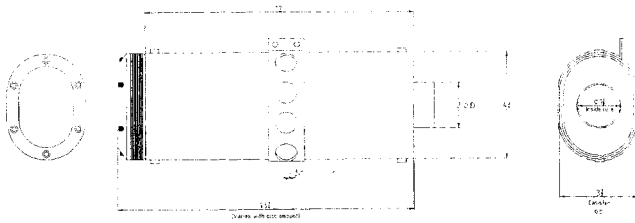
C16085



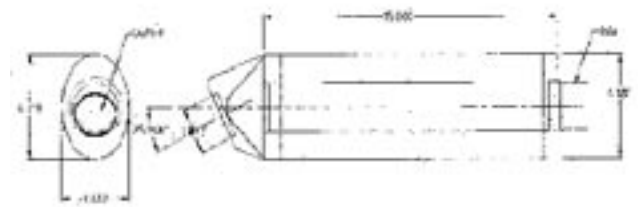
C22001

FMF•FMF RACING

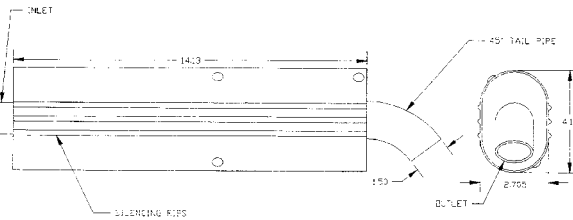
FMF



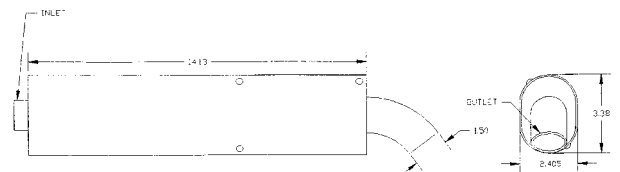
FMF ISDE Model 1000



FMFS3000

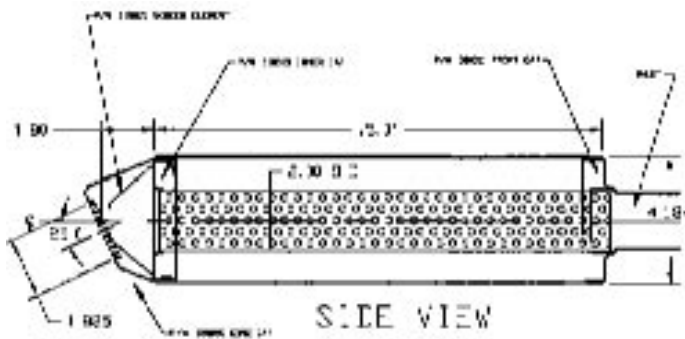


FMF True-Tec TDS 1

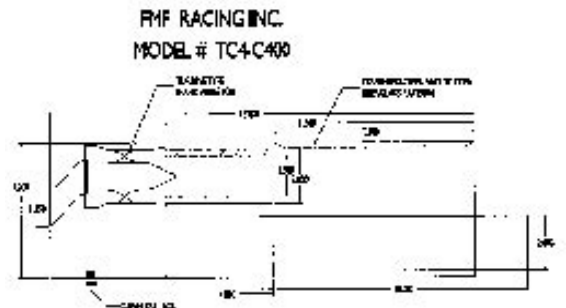


FMF True-Tec TDS 2

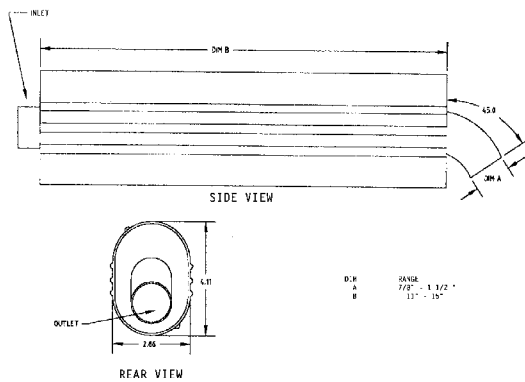
FMF RACING



FMF S2000



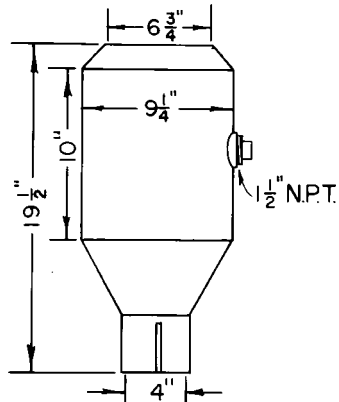
FMF TC4-C400



FMF TDS3

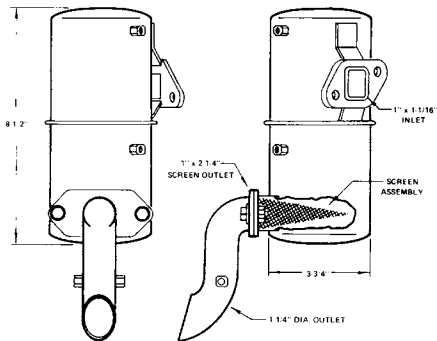
FORESTER•FUJI

FORESTER

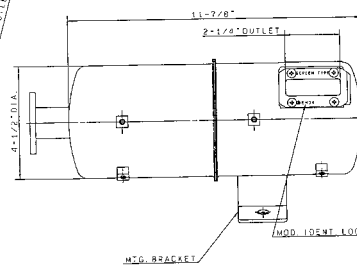
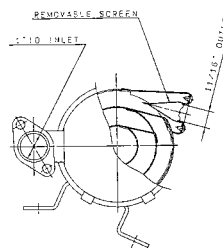


12X330

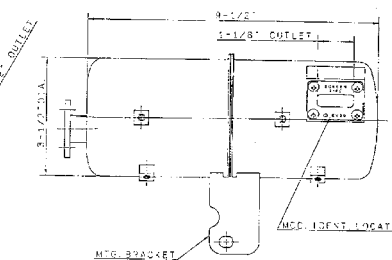
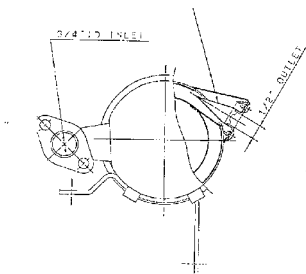
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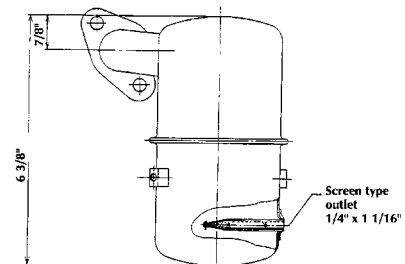
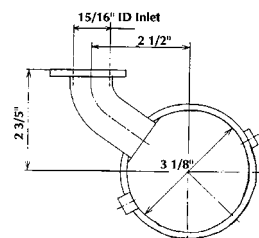
DY-41



EH34



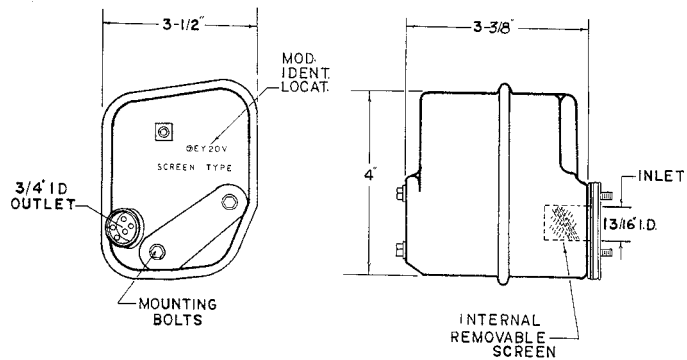
EY-20



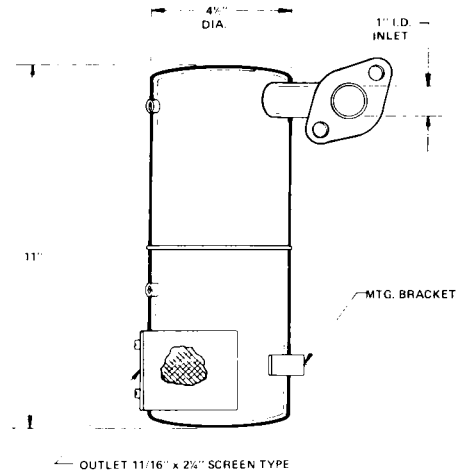
EY20-STD

FUJI

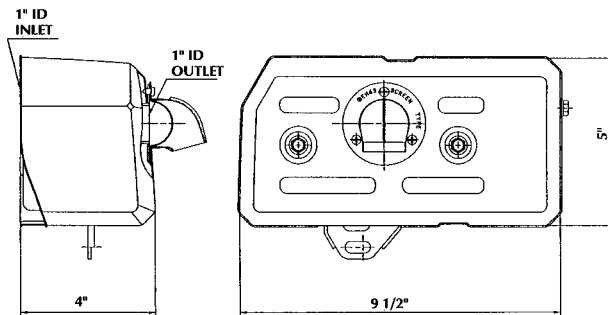
FUJI (continued)



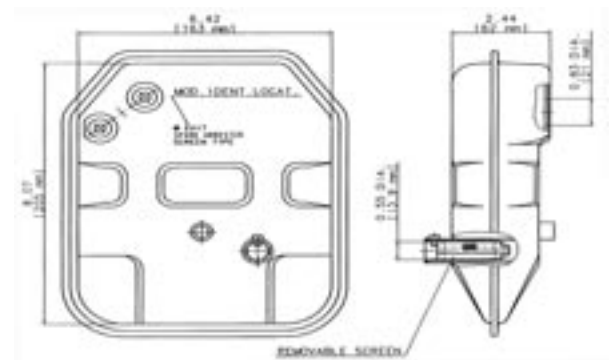
EY 20V



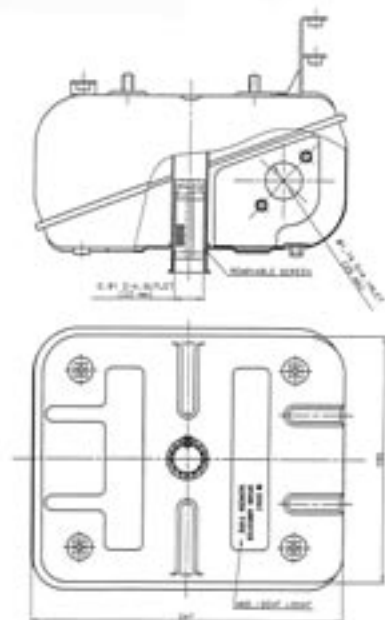
EY35-EY40W



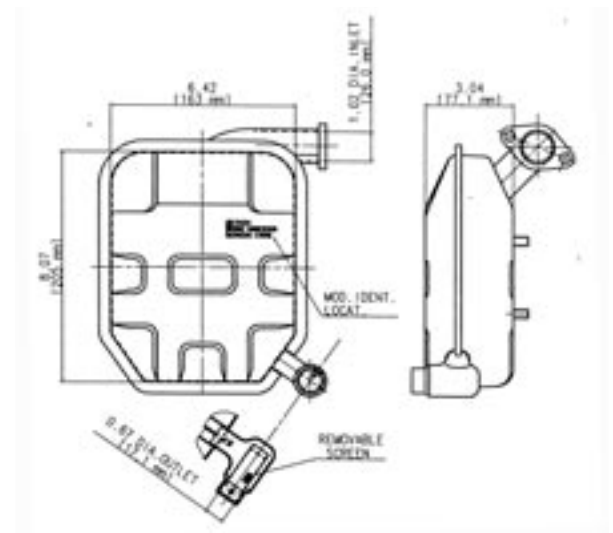
FUJI EH43



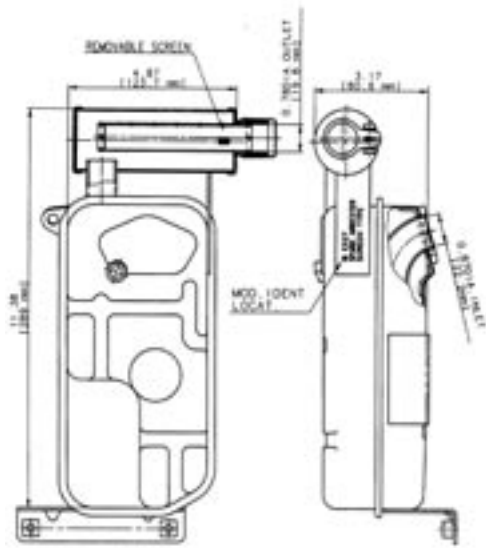
EH09



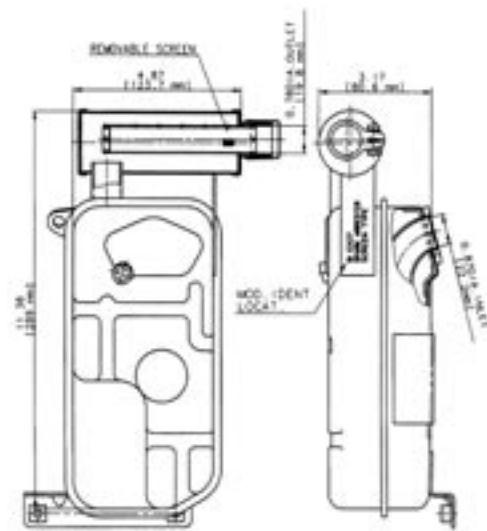
EH41



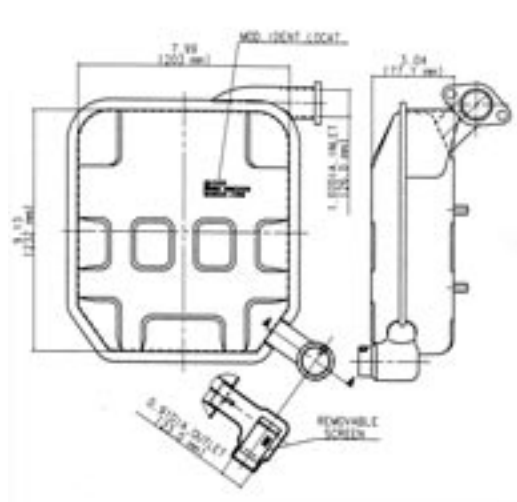
EX13, 17, 21



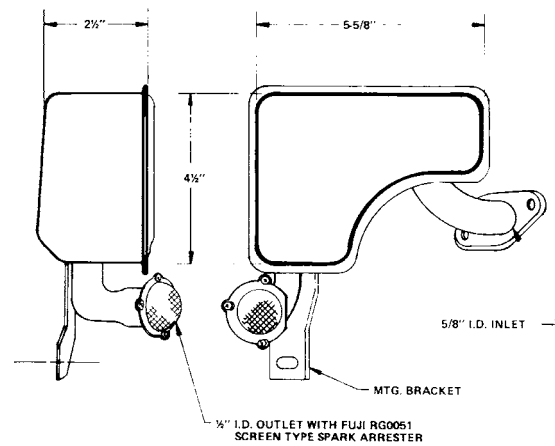
EX17



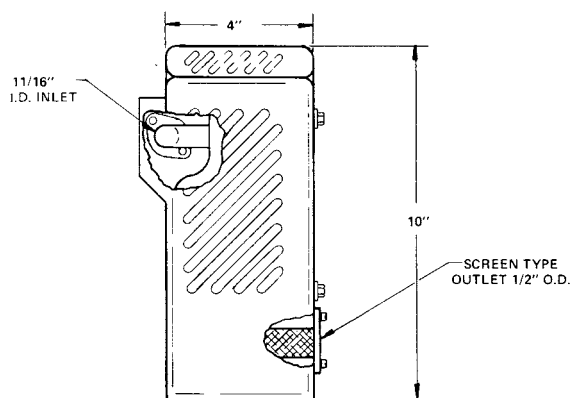
EX21



EX27



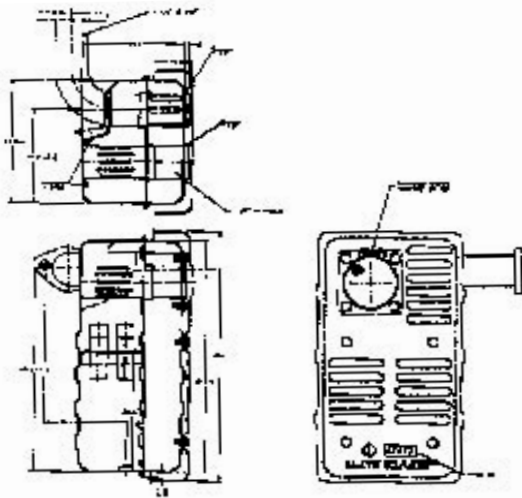
RGO 051



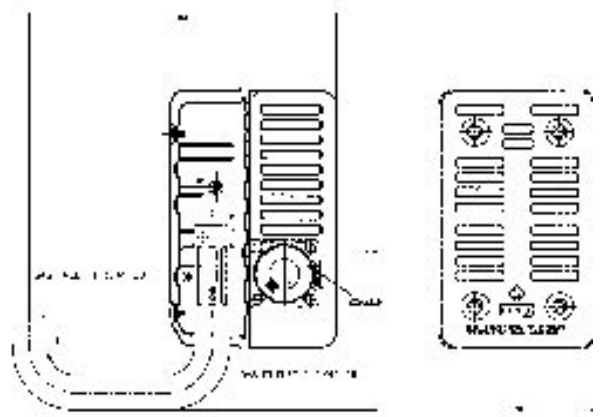
RGO 120

GENERAC

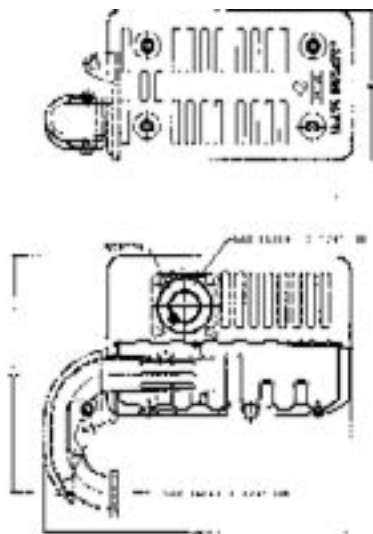
GENERAC



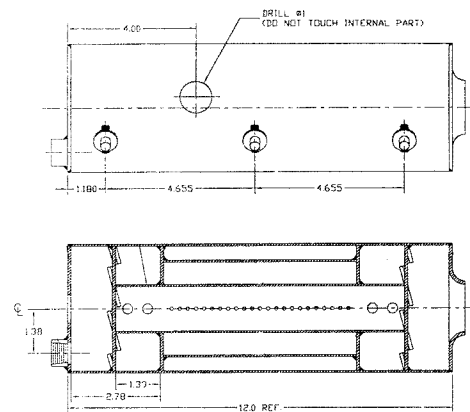
GeA7433



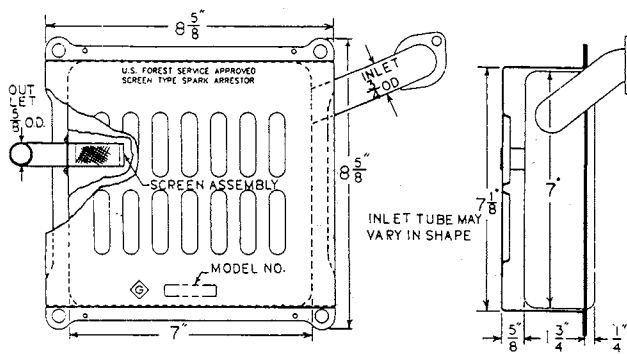
GeC4289



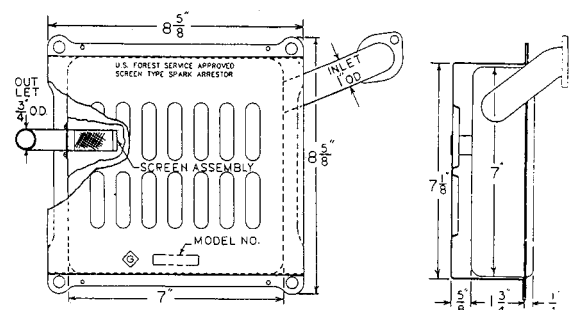
GeC4423



GeC7575



Ge72082 and 72281



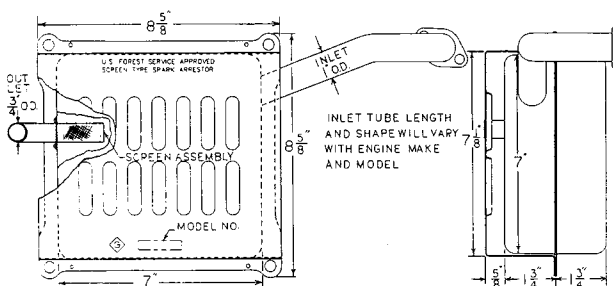
Ge72083

GENERAC

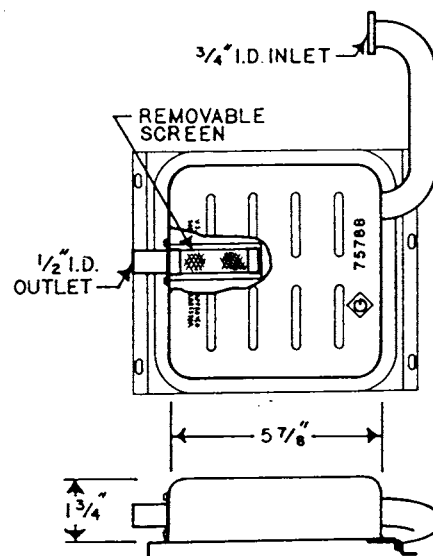
GENERAC (continued)



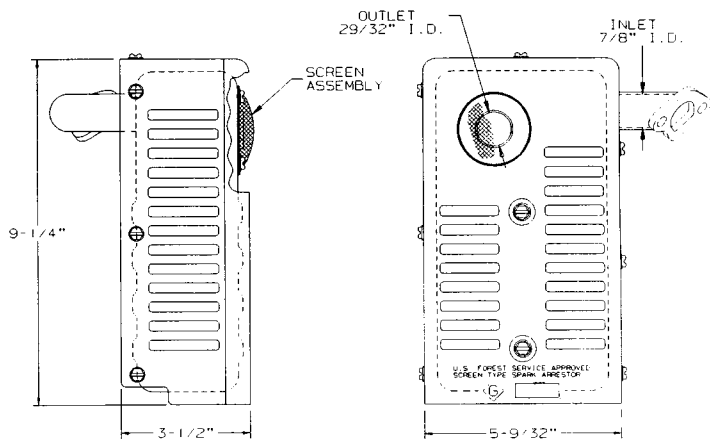
For Generac 30699 - See Nelson T-11068C
 31145 - T-11159
 33232 - T-11606
 37924 - T-13304
 (Approved as T-9458)
 37936 - T-12760B
 38560 - T-13265
 39081 - T-13572
 39247 - T-9458
 43951 - T-14315
 43952 - T-14316
 43953 - T-14321



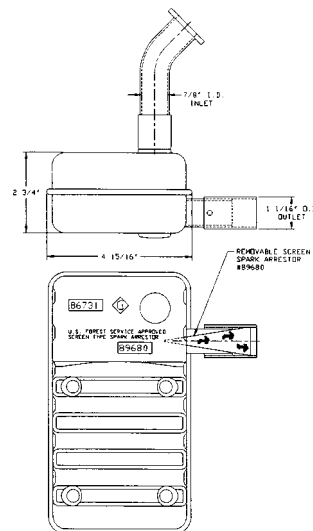
Ge72279



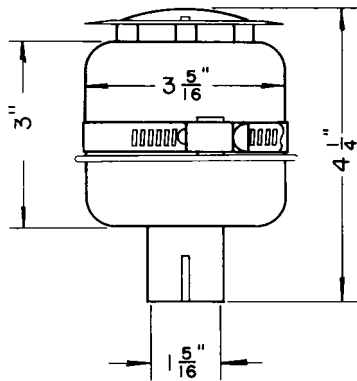
Generac 75788



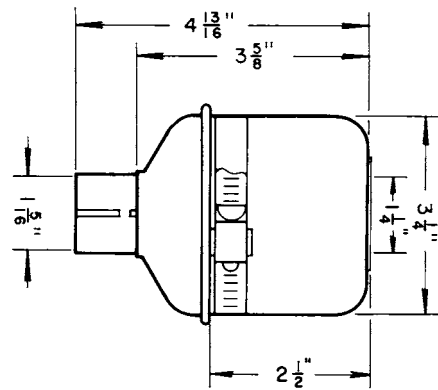
83083



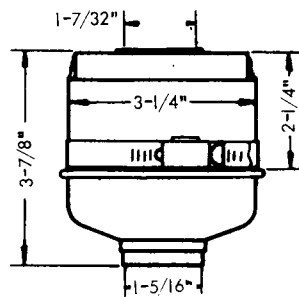
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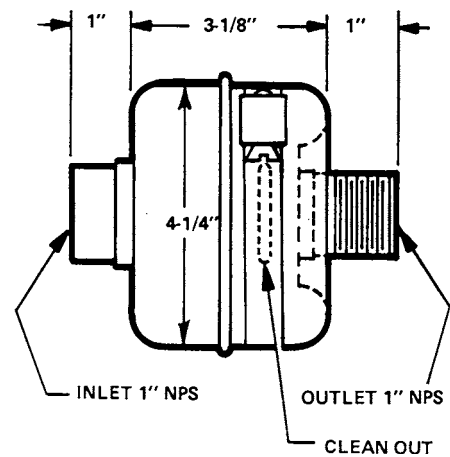
3C



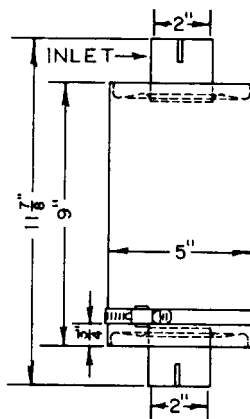
3CIP (Horiz)



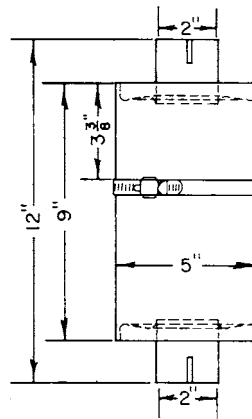
3C-USFS Mod.



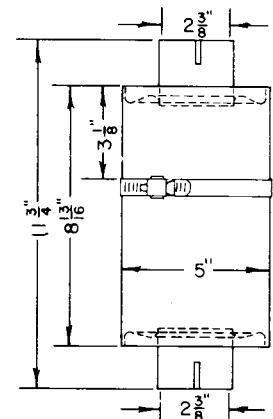
4CIP



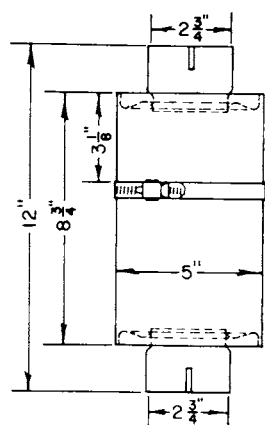
5C20A Inverted



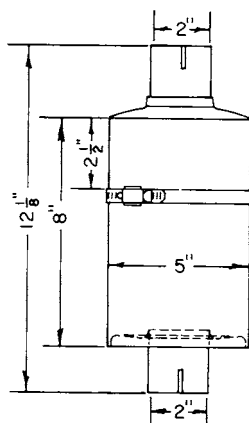
5C20B



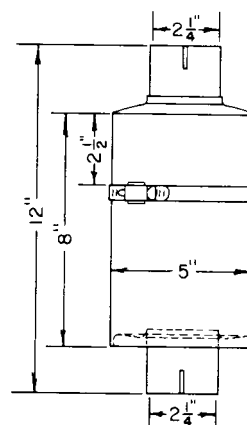
5C23B



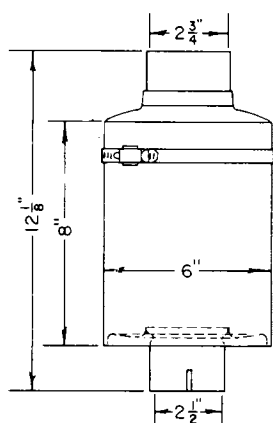
5C26B



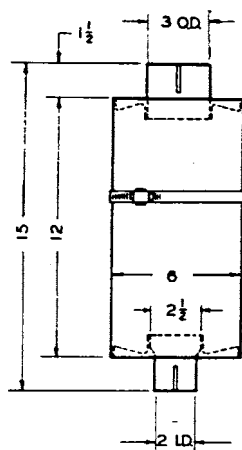
5CV20



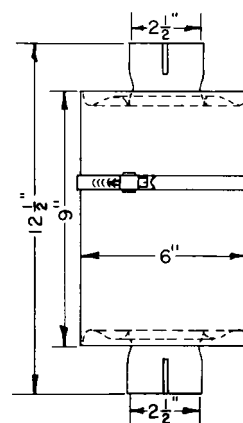
5CV23



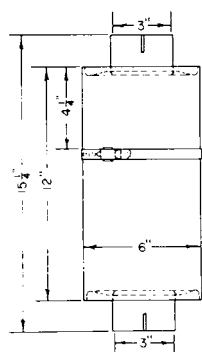
6CV24



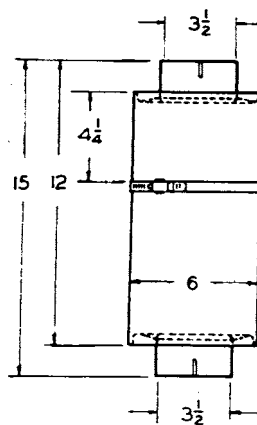
6C2030 (12 in)



6C24 (12 in)



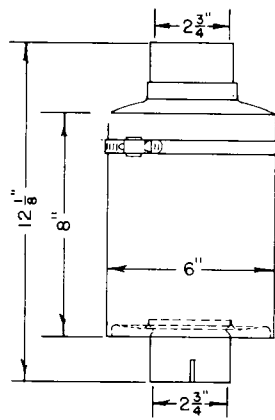
6C30 (12 in)



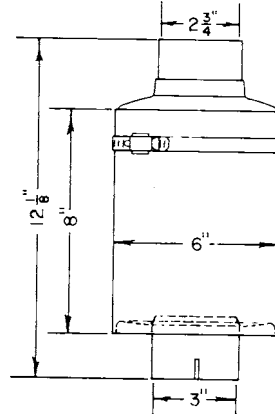
6C34 (12 in)

GILL

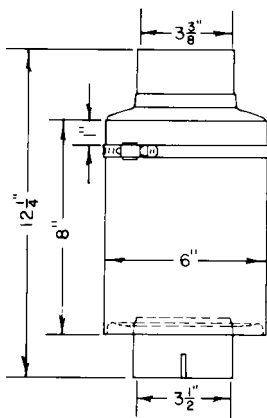
GILL (continued)



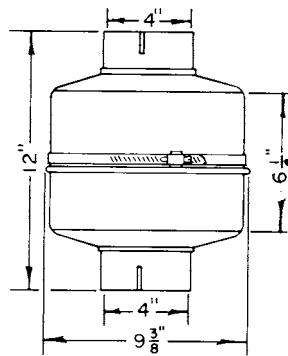
6CV26



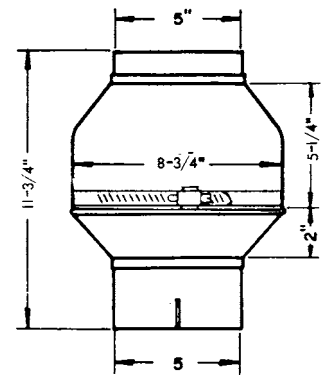
6CV30



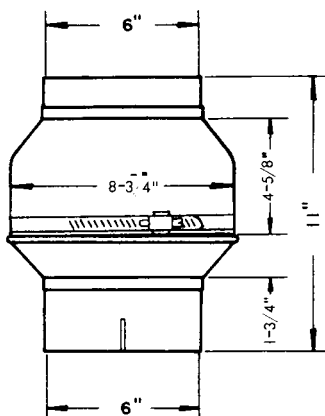
6CV34



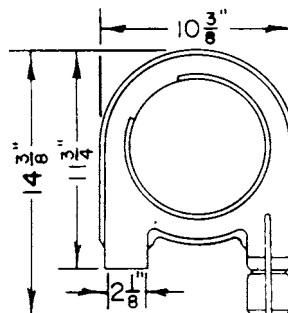
8CV40



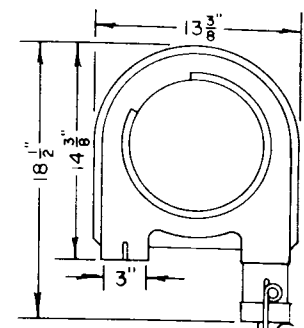
8CV50



8CV60



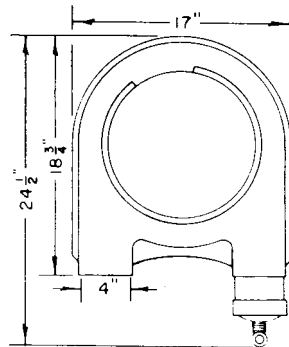
GSF-200



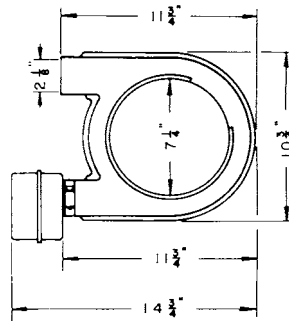
GSF-300

GILL

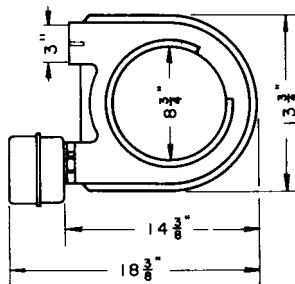
GILL (*continued*)



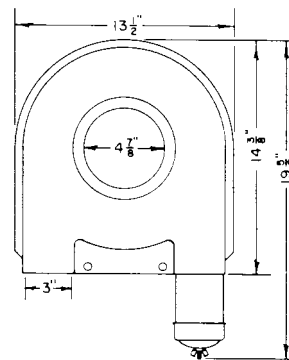
GSF-400



GSH-200



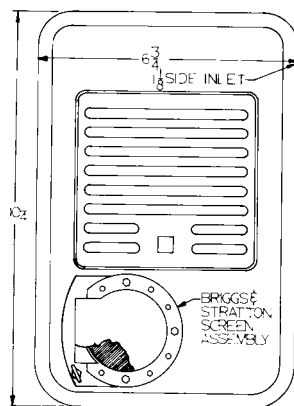
GSH-300



GSO-300

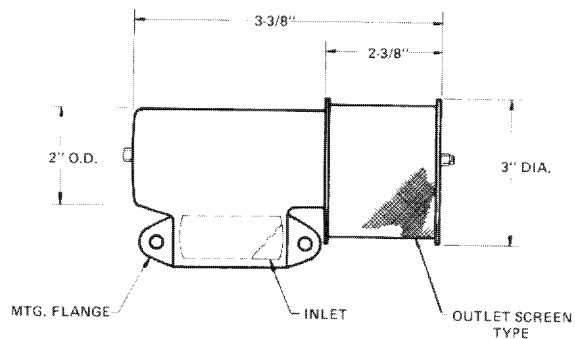
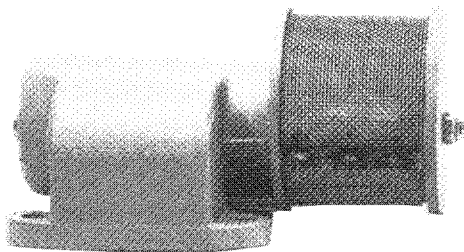
GILSON•GORMAN-RUPP•HALE

GILSON



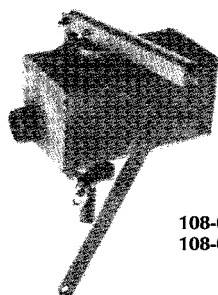
36742 Screen Assembly 392154

GORMAN-RUPP

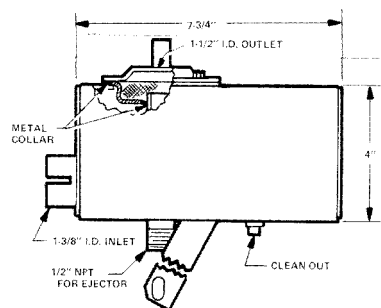


462611-018

HALE



108-0230-02
108-0230-06*

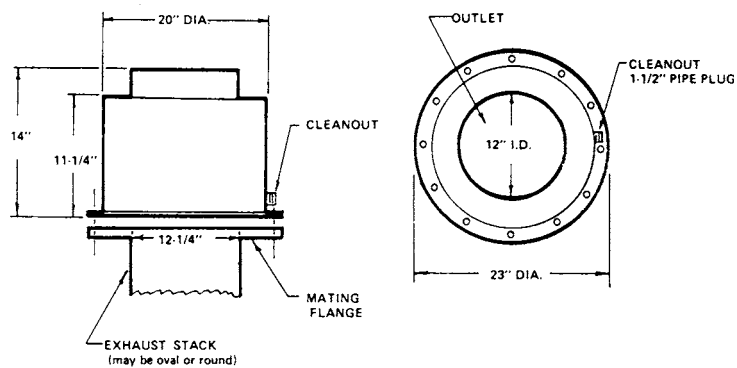


*Modified 108-0230-02 for use on 1-cylinder of an engine. An elbow has been added to the inlet to accommodate mounting.

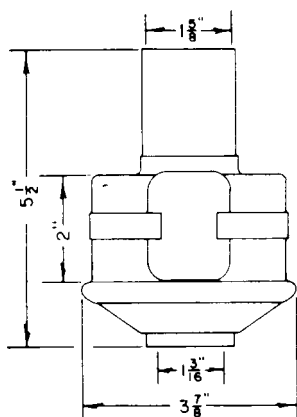
HALE 108-0230-02
HALE 108-0230-06

HAPCO

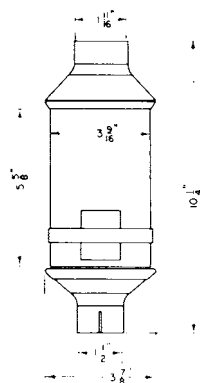
HAPCO



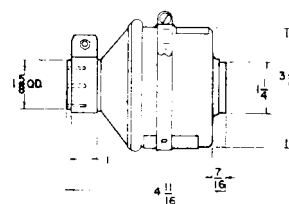
HAP12AC12LP



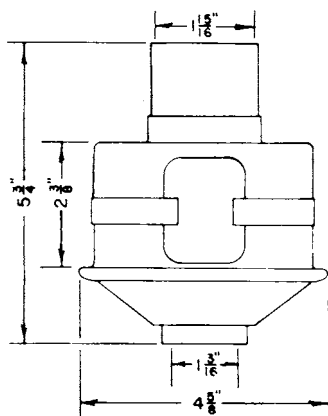
1AA



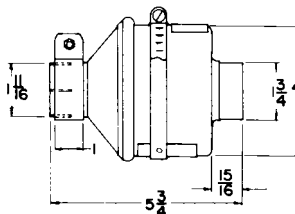
1AA S.A.M. 13-18



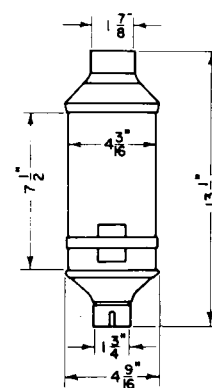
1AAXH



2AA



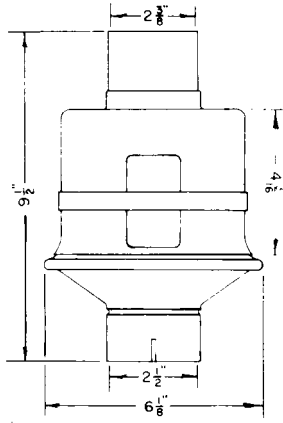
2AAH



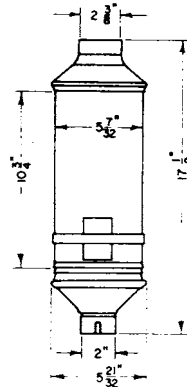
2AA S.A.M. 24-112

HAPCO

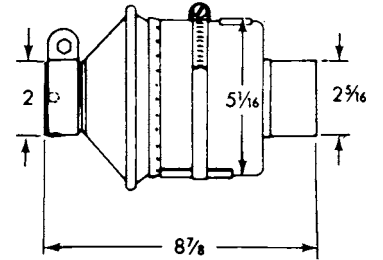
HAPCO (continued)



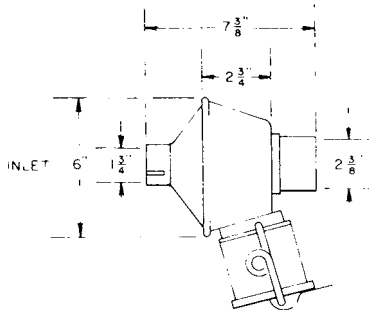
3AA



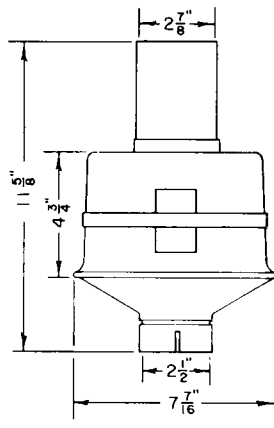
3AA S.A.M. 36-2



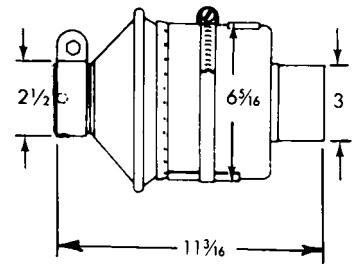
3AAHX



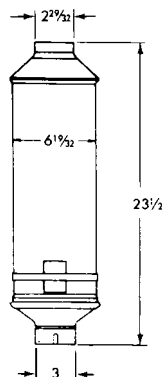
3H



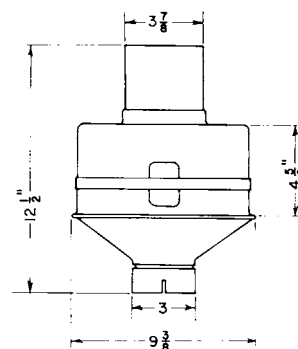
4AA



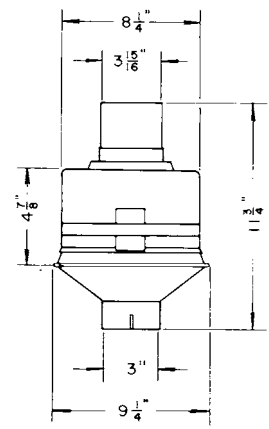
4AAH



4AA S.A.M. 48-3



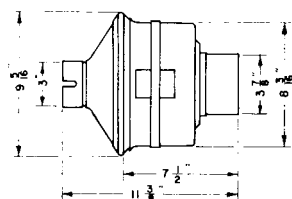
5AA



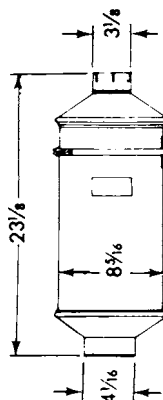
5AA (altered)

HAPCO

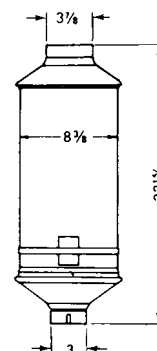
HAPCO (continued)



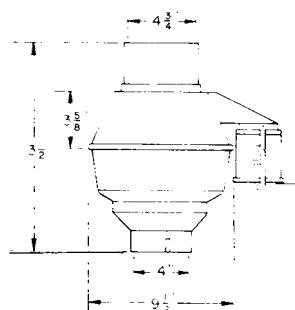
5AAH



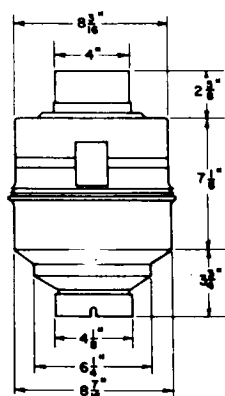
5AAH S.A.M. 59-3



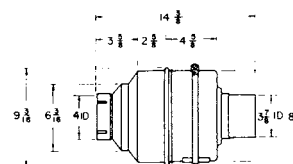
5AA S.A.M. 59-3



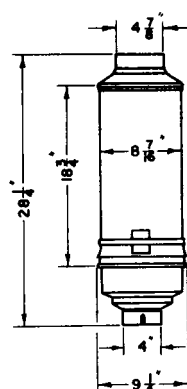
6A or 6H



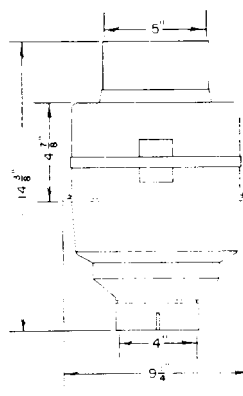
6AA (4" outlet)



6AAH



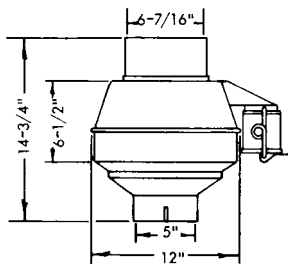
6AA S.A.M. 69-4



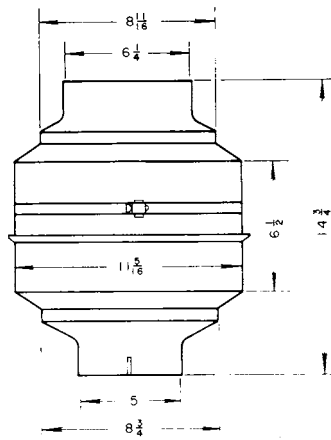
6AB

HAPCO

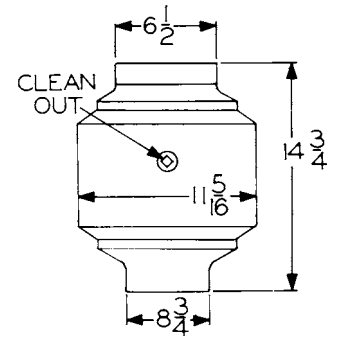
HAPCO (continued)



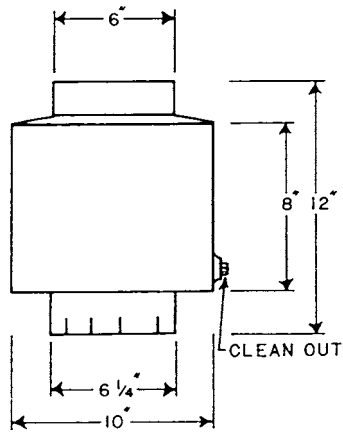
7A or 7H



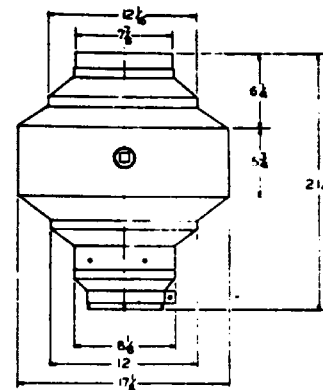
7AB



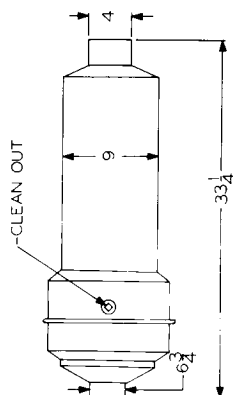
7AC



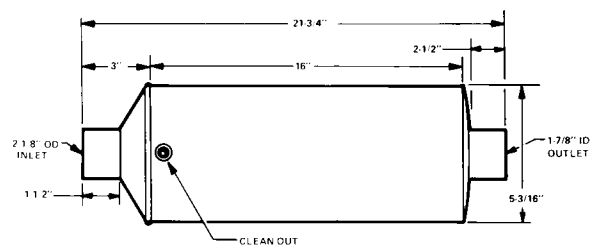
7AC1



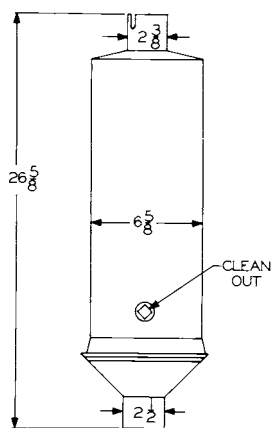
8AB



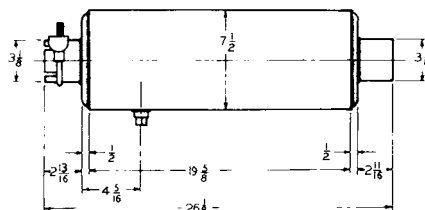
S.A.M. 712



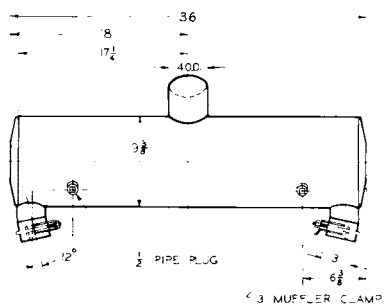
SASR 36-H, 3AAXH



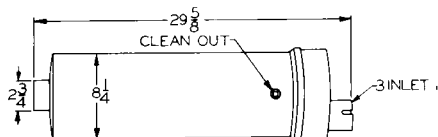
SASR 48



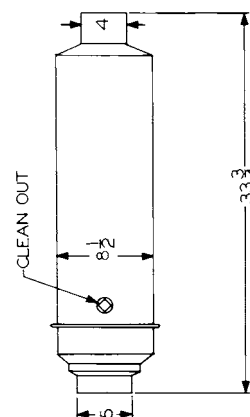
SASR 48-H



SASR 559



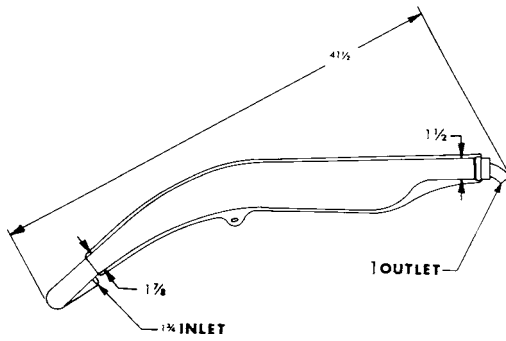
SASR 59



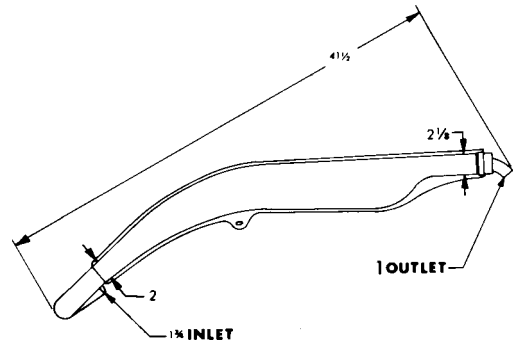
SASR 69-H

HARLEY-DAVIDSON•HER CHEE

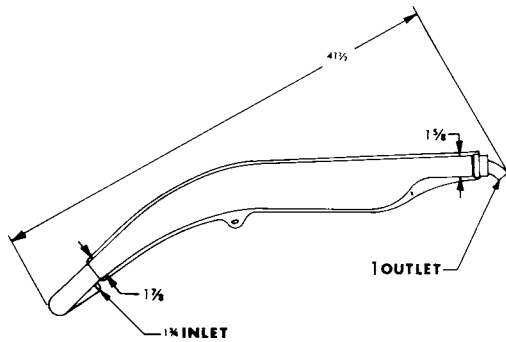
HARLEY-DAVIDSON



65234-75P



65241-75P



65463-75P

HER CHEE



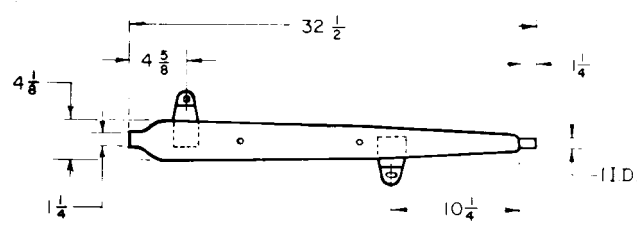
18300-169



18300-197

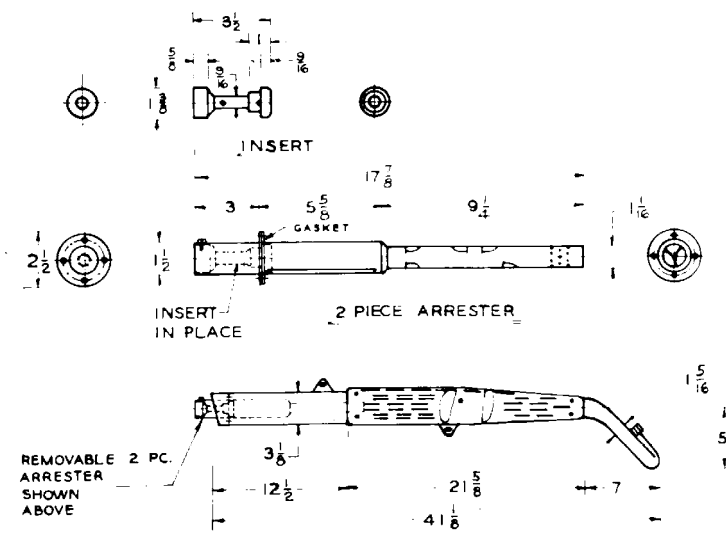
HODAKA•HODAKA-KRIZMAN•HONDA

HODAKA



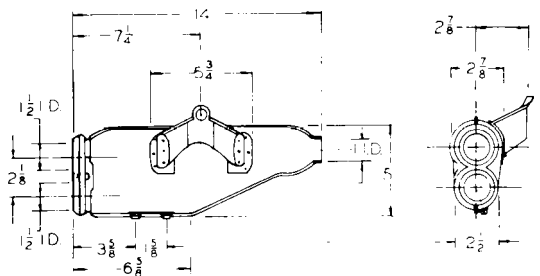
ACE 90D

HODAKA-KRIZMAN

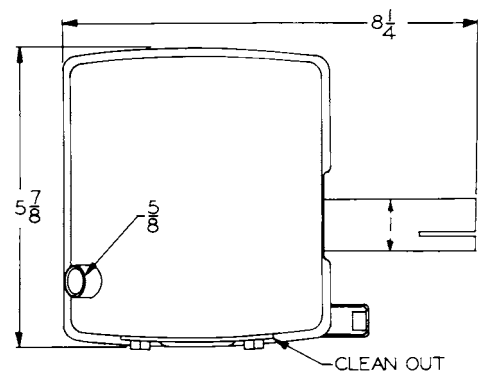


ACE 100

HONDA



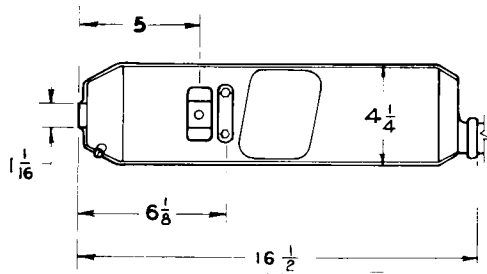
72



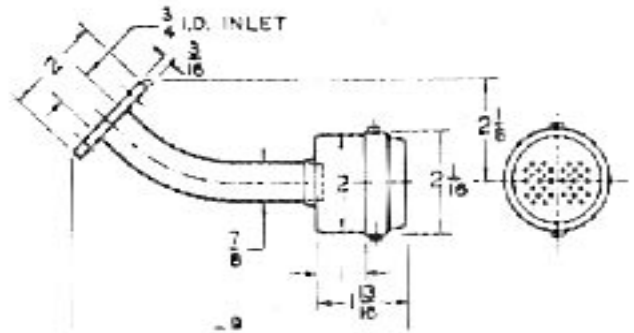
113

HONDA

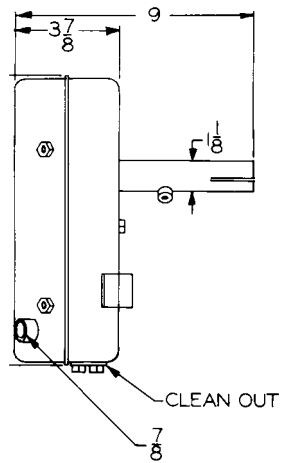
HONDA (continued)



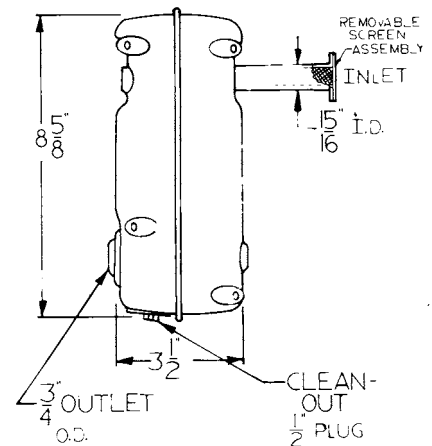
175



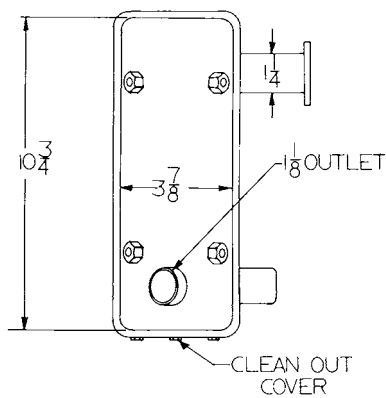
200



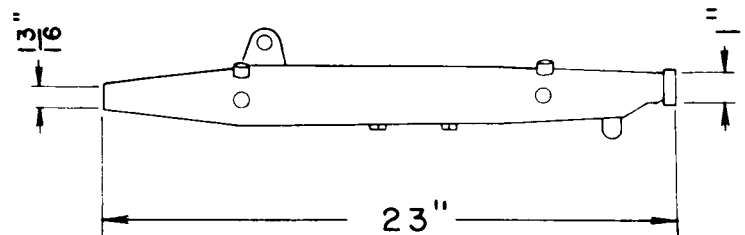
405-405A



408



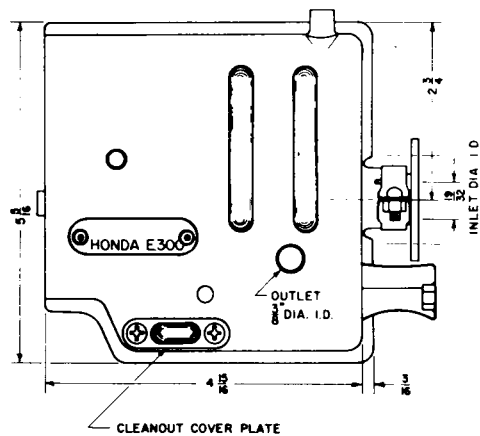
503



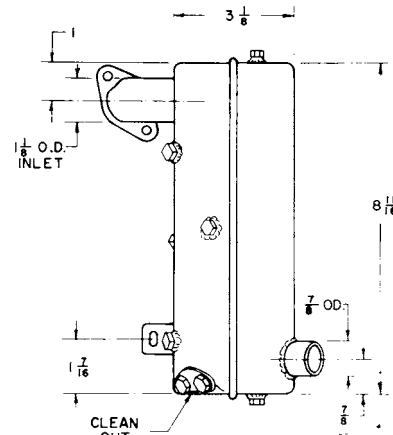
1063

HONDA

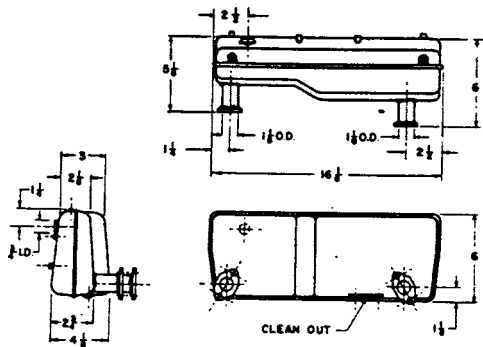
HONDA (continued)



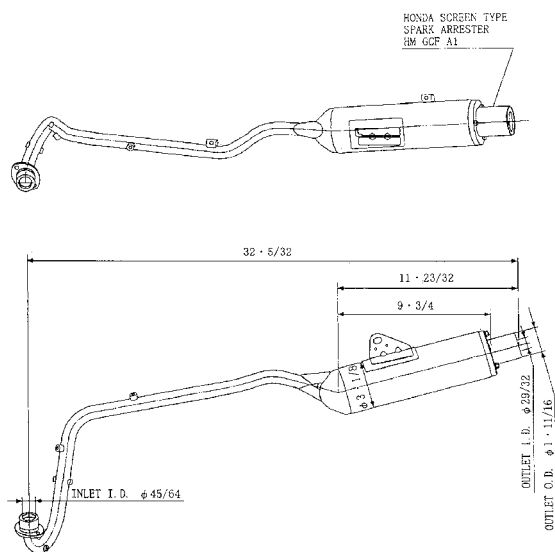
E300



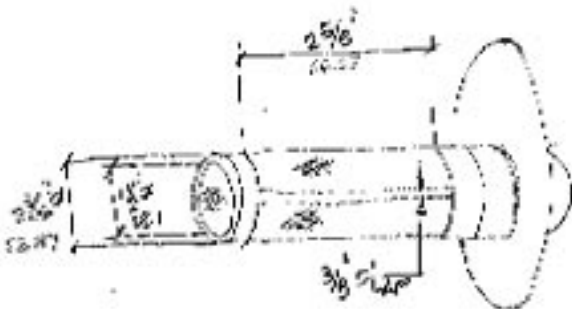
E400



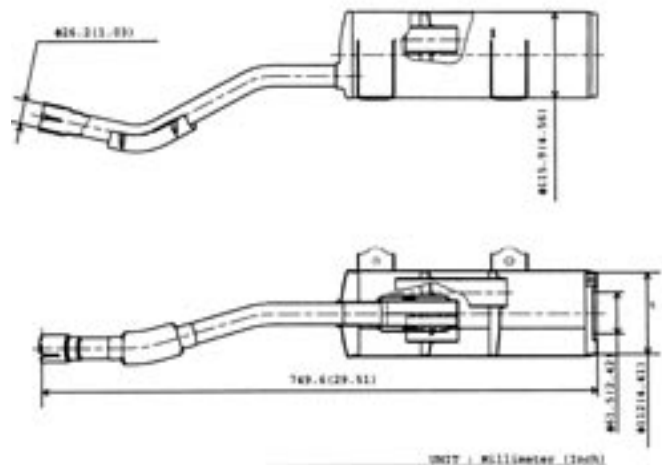
E600



HM GCF A1



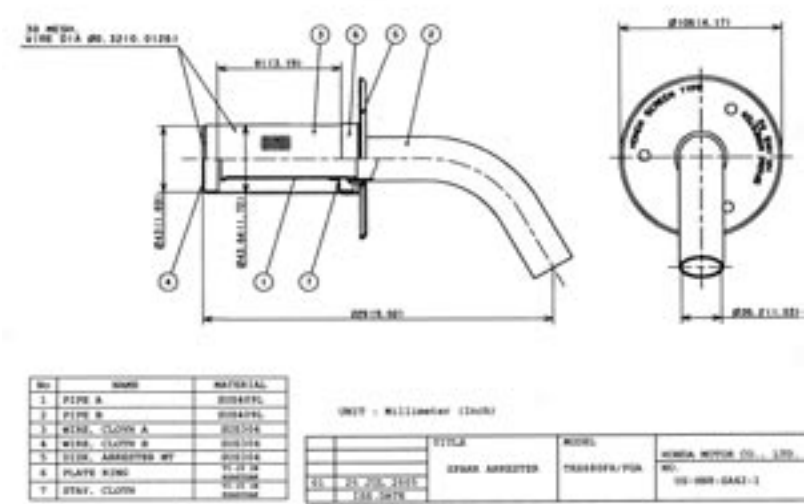
HM HN1 A1



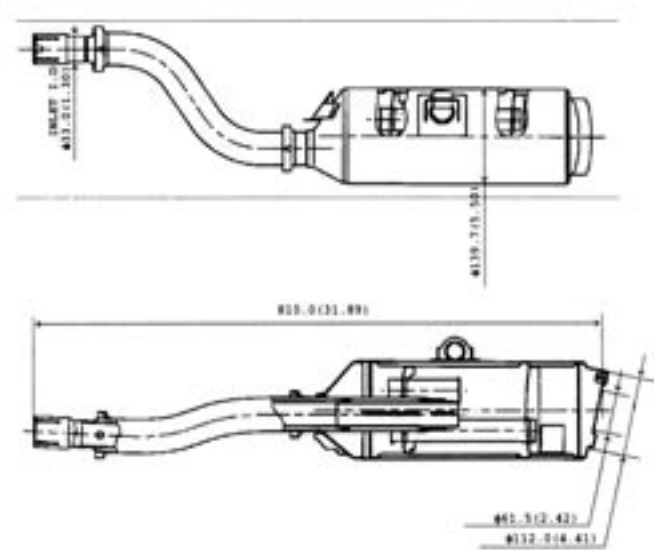
HM HN6 A2

HONDA

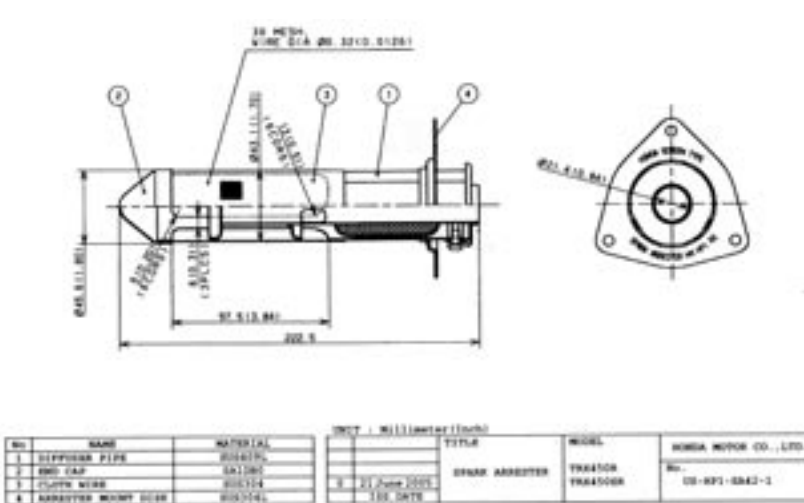
HONDA (continued)



HM HN8 A2



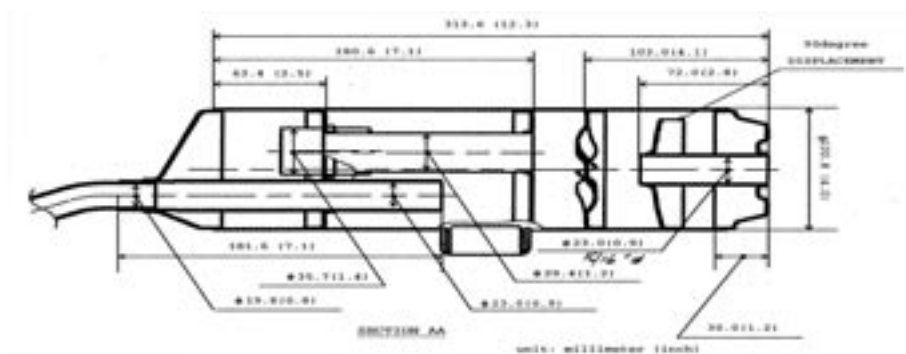
HM HP0 A1



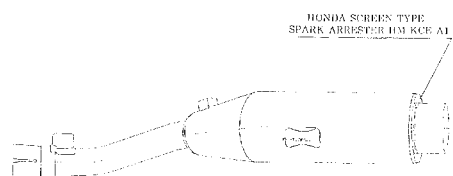
HM HP1 A2

HONDA

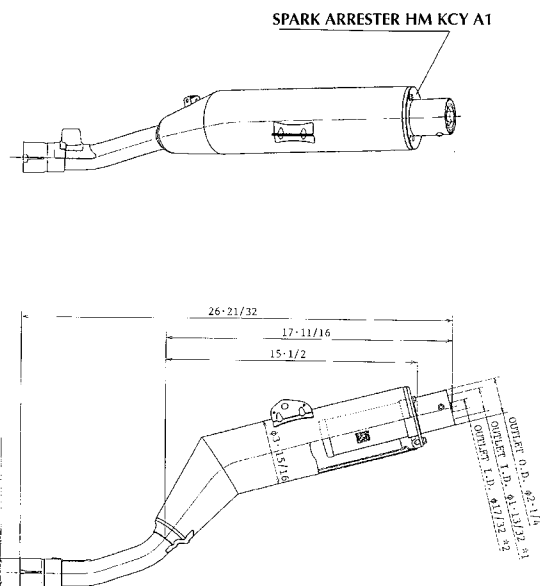
HONDA (continued)



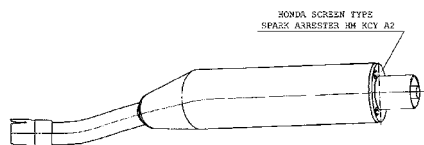
HM HP2 A1



HM KCE A1



HM KCY A1



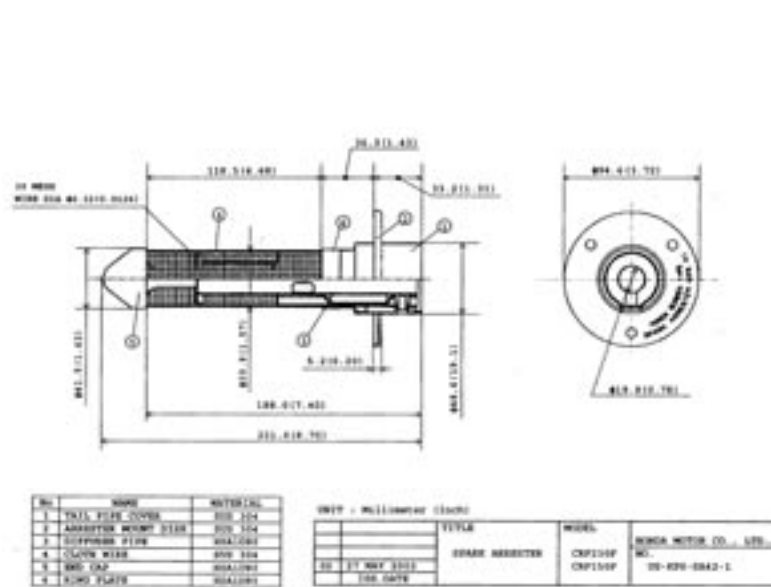
Type A : For XR250R
Type B : For XR400R

UNIT: Millimeter (Inch)

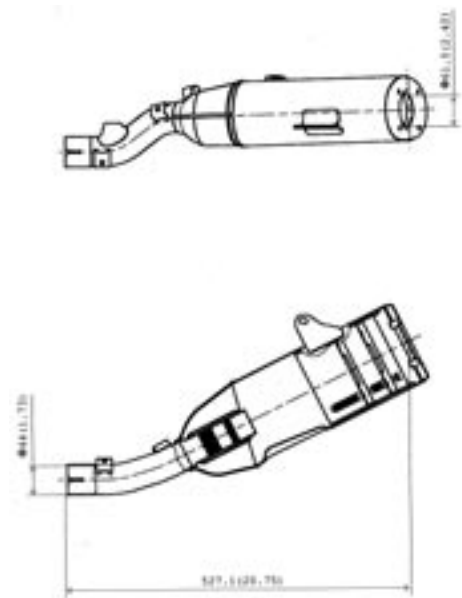
HM KCY A2

HONDA

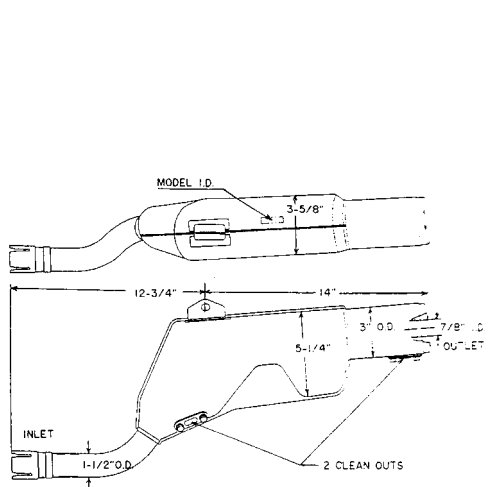
HONDA (continued)



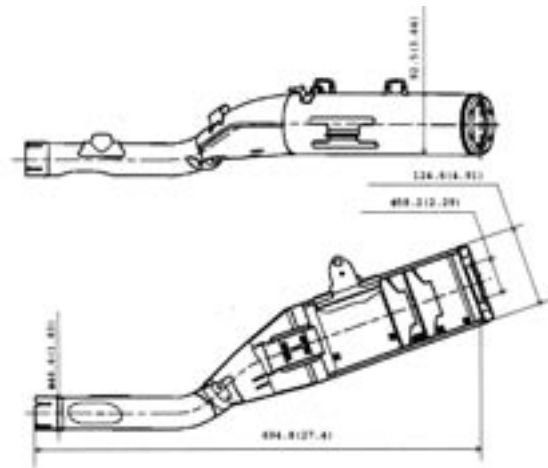
HM KPS A1



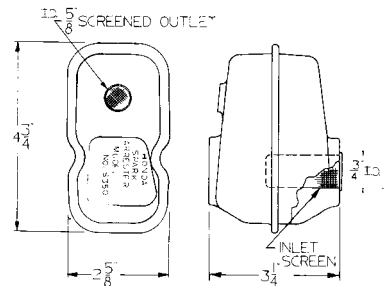
HM KSC A1



HM KV6 A1



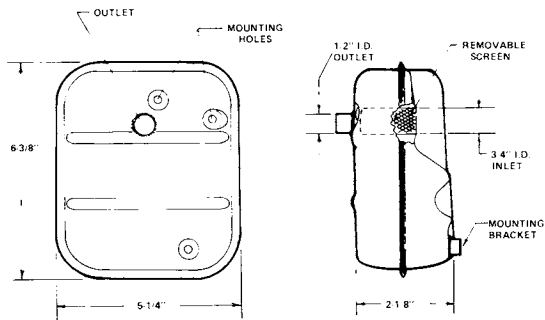
HM MEY A1



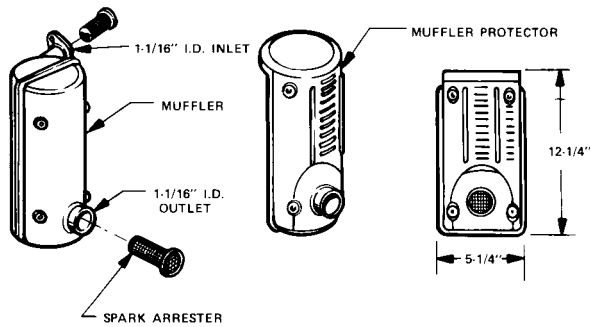
S-350

HONDA

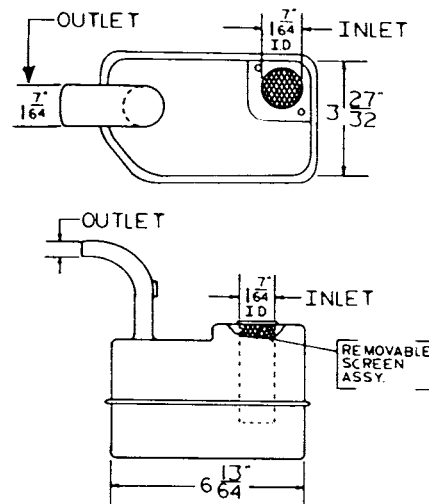
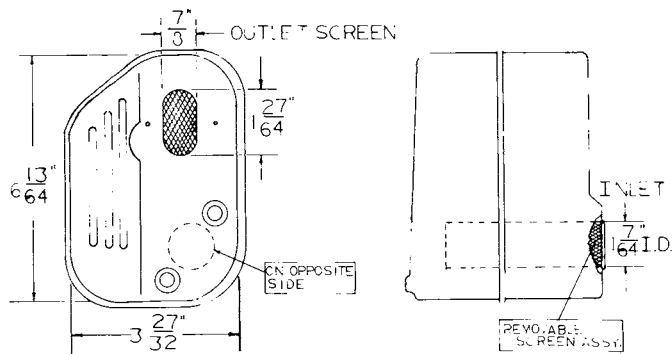
HONDA (continued)



S-351

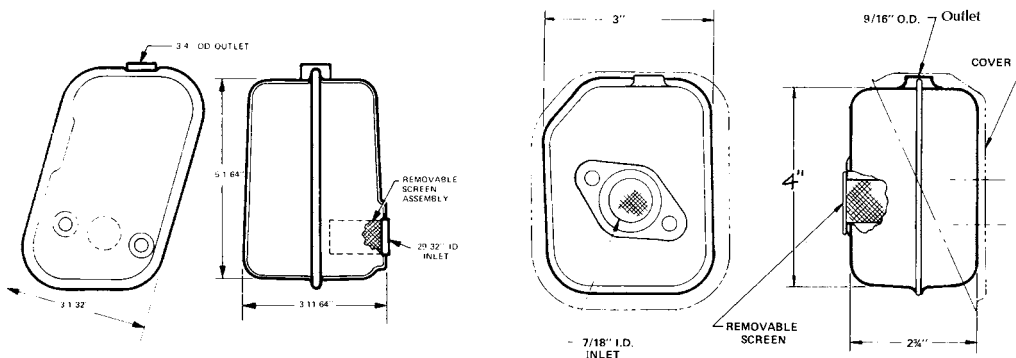


S-352



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.

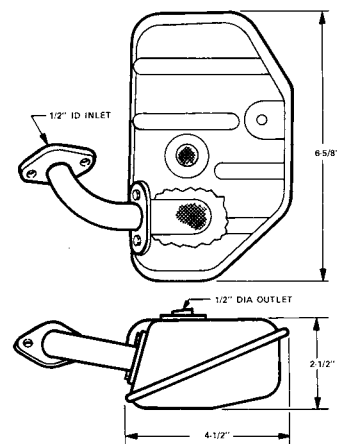
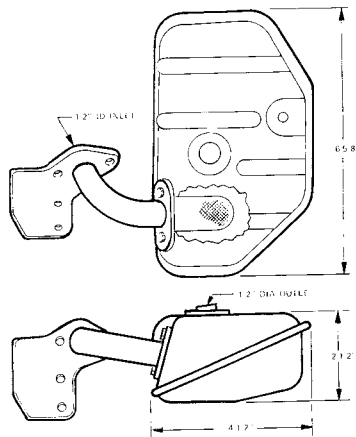
S-353



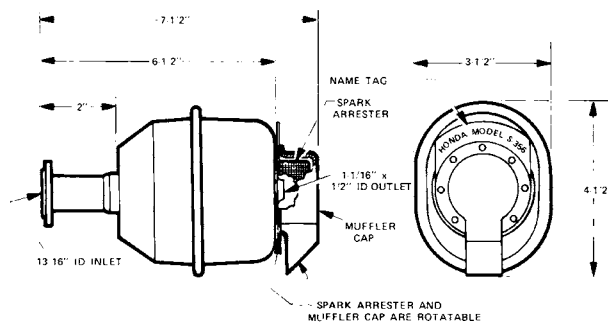
S-354

HONDA

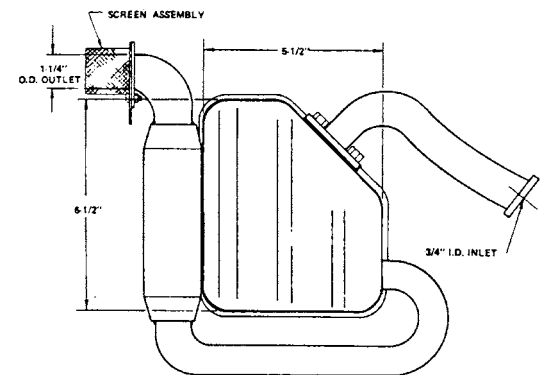
HONDA (continued)



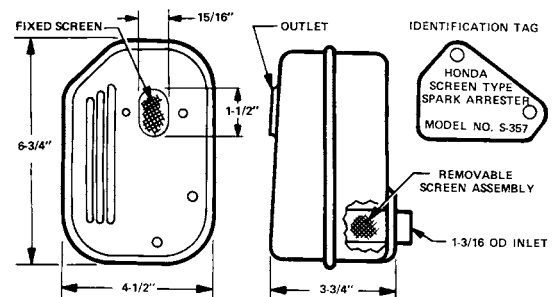
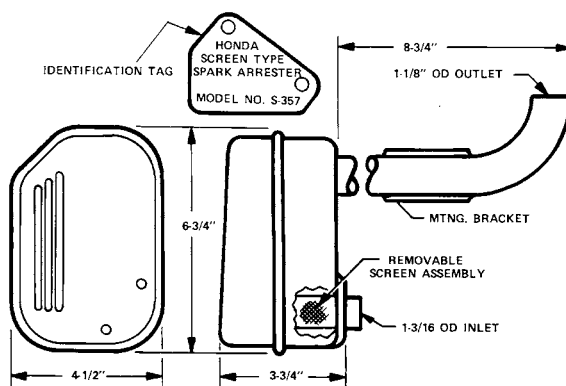
S-355



S-356



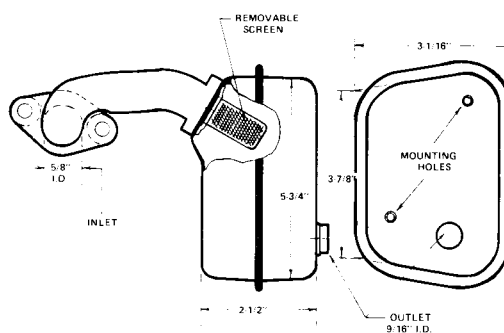
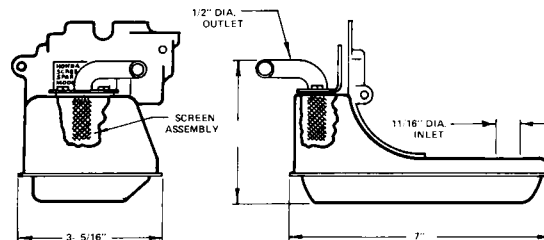
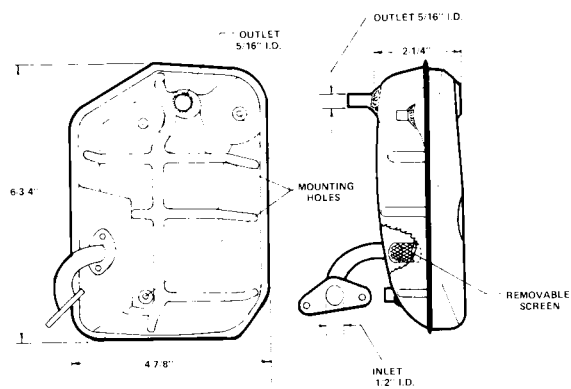
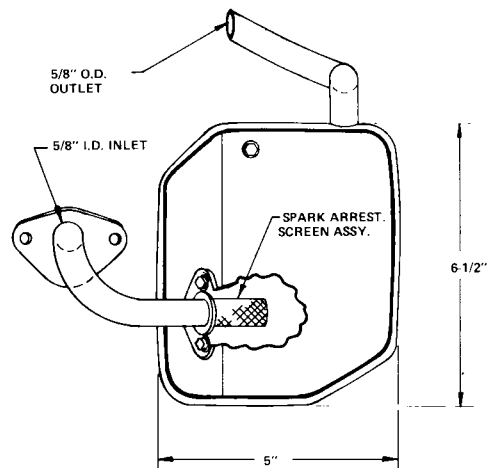
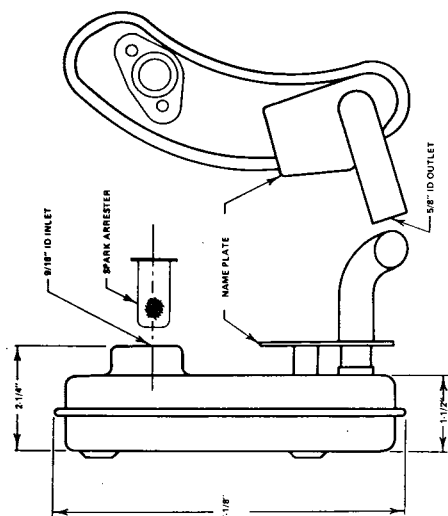
S-356A



S-357

HONDA

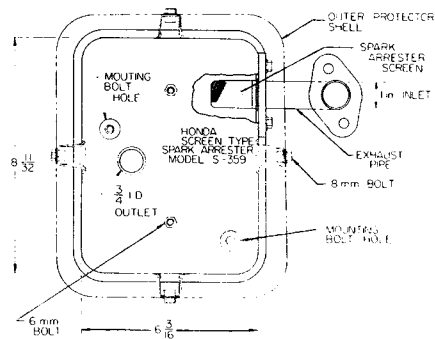
HONDA (continued)



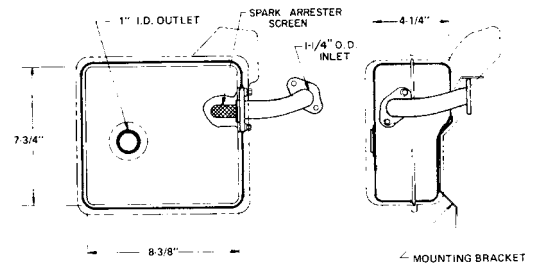
S-358

HONDA

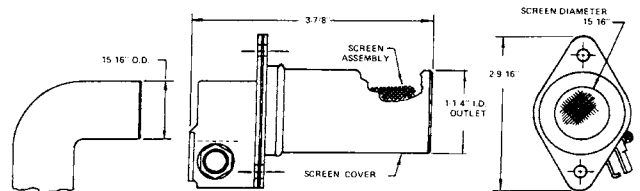
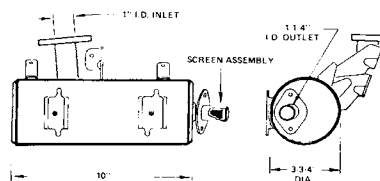
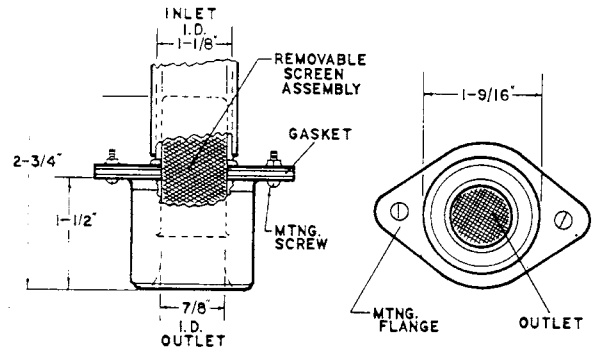
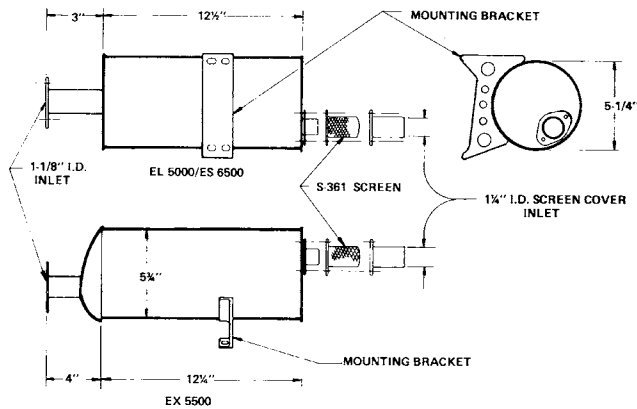
HONDA (continued)



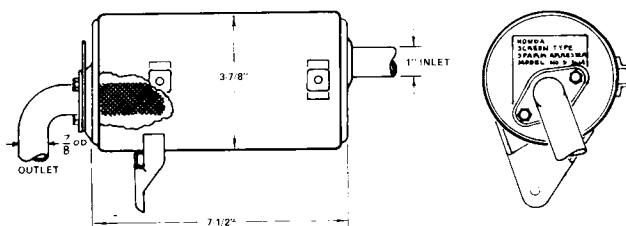
S-359



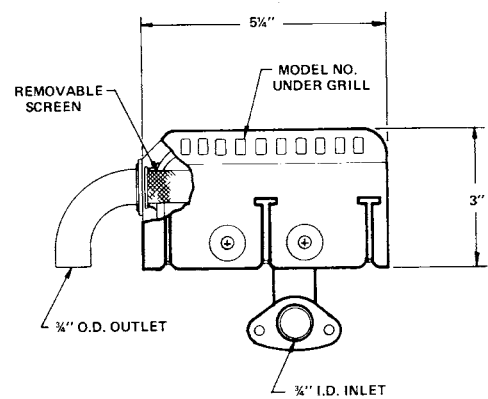
S-360



S-361



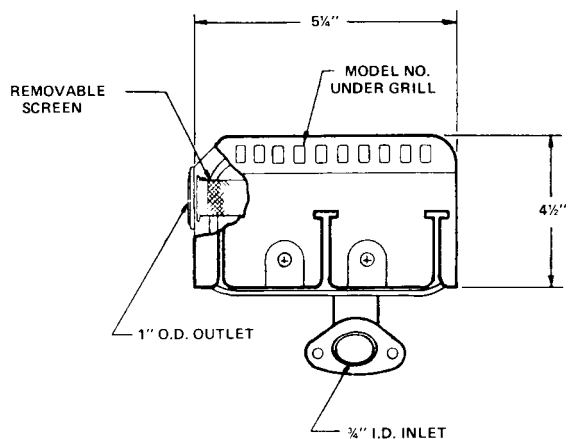
S-361A



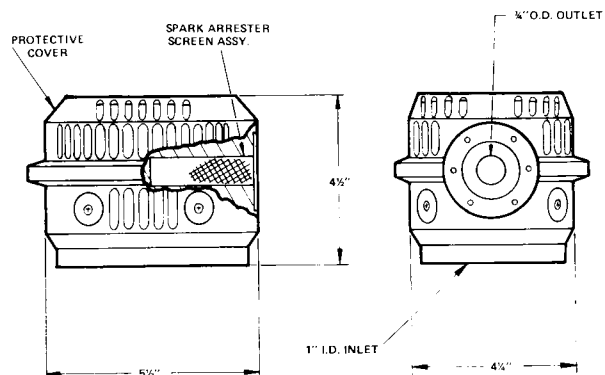
S-362

HONDA

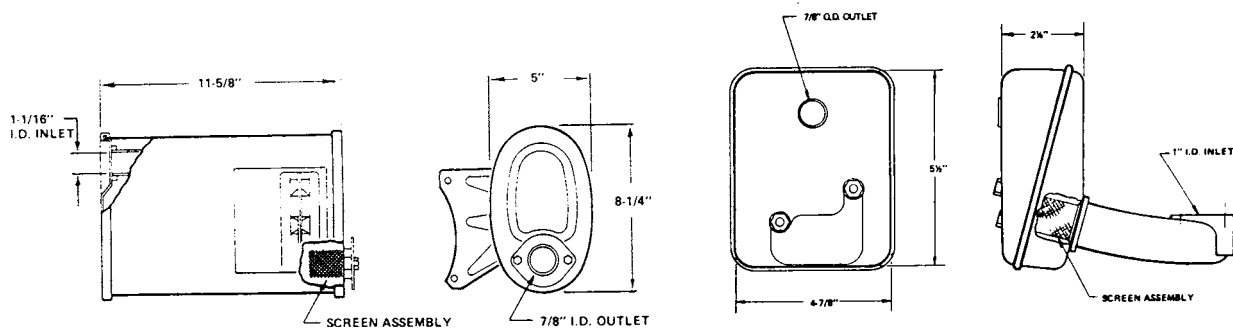
HONDA (continued)



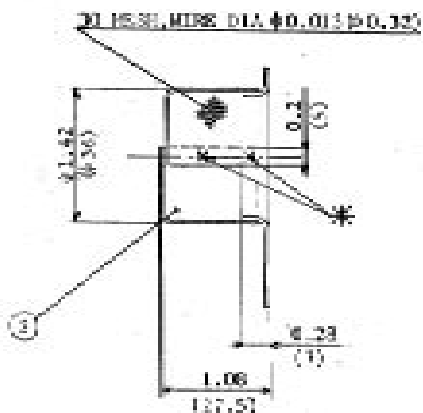
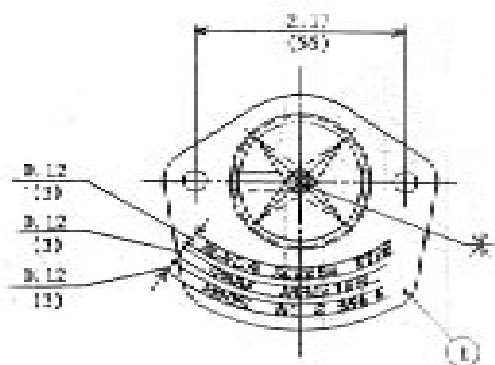
S-363



S-364



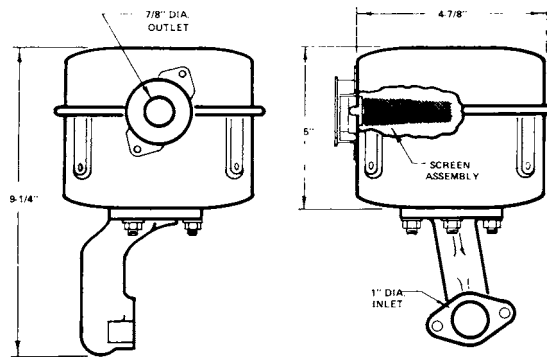
S-365



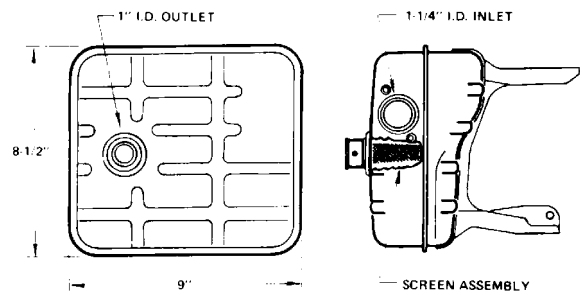
S365-A

HONDA

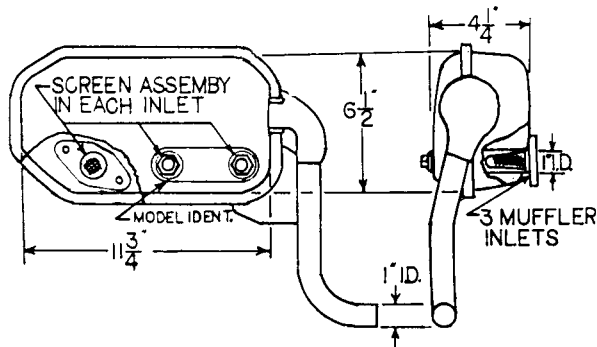
HONDA (continued)



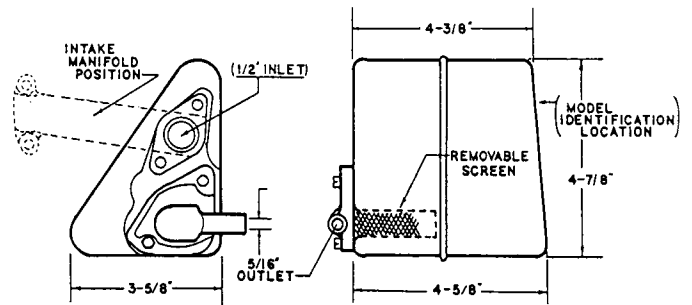
S-366



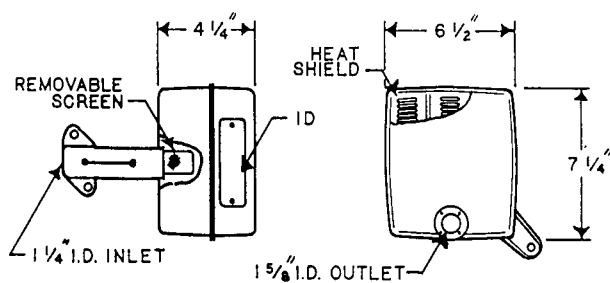
S-366A



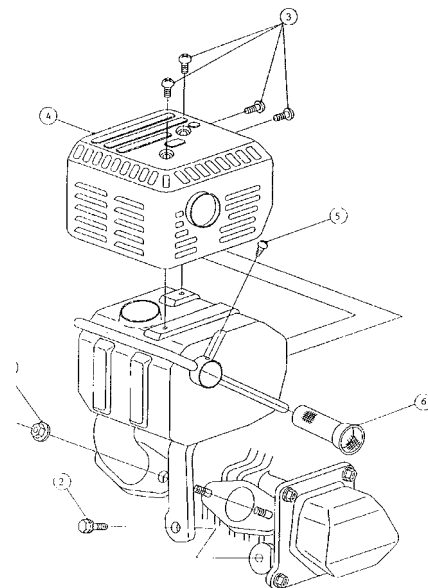
S-366B



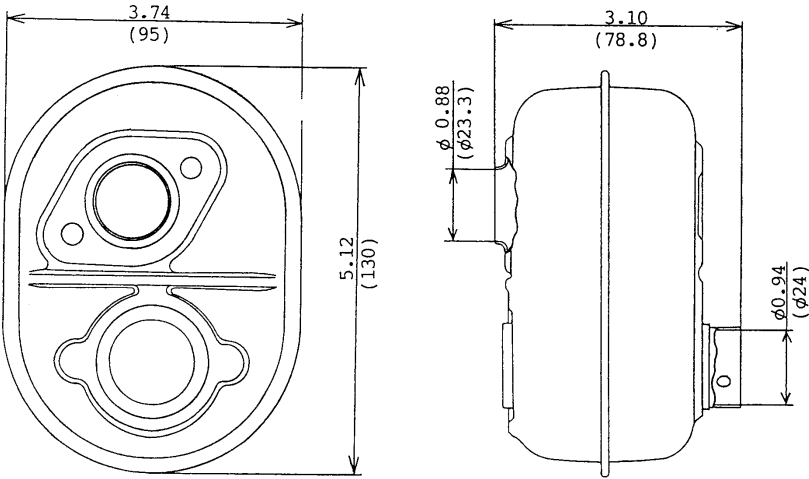
S-367



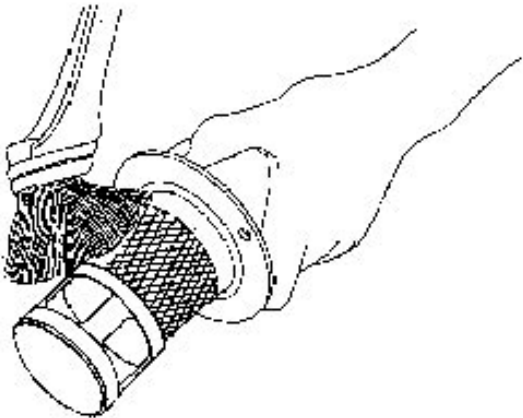
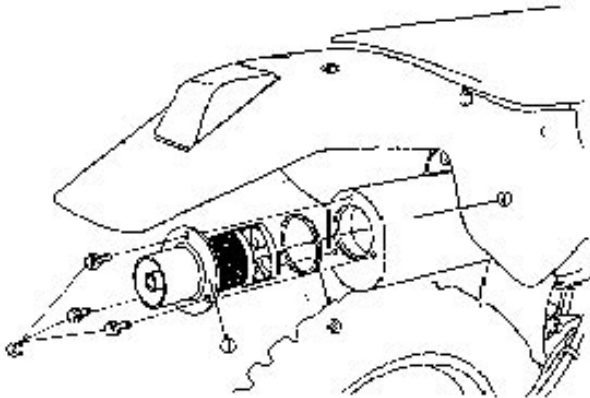
S-368



S-415



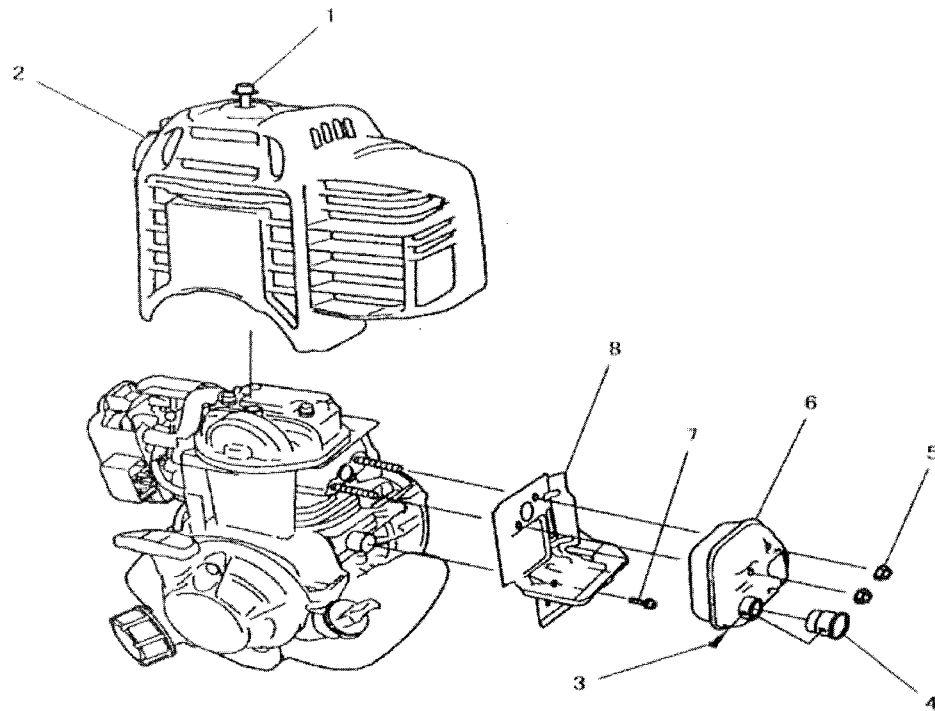
S-417



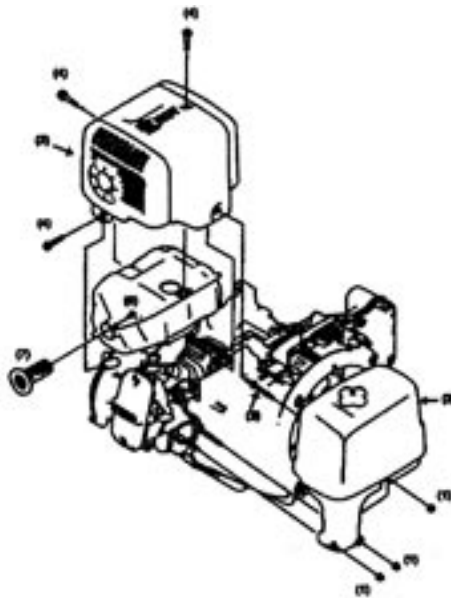
S-418

HONDA

HONDA (continued)



S-420



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

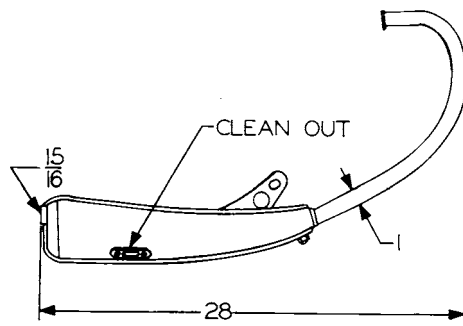
S-422

HONDA-KRIZMAN

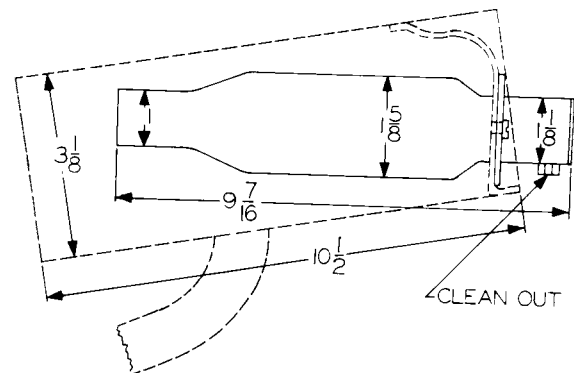


HONDA-KRIZMAN

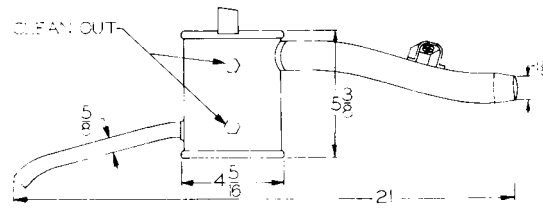
HONDA-KRIZMAN (continued)



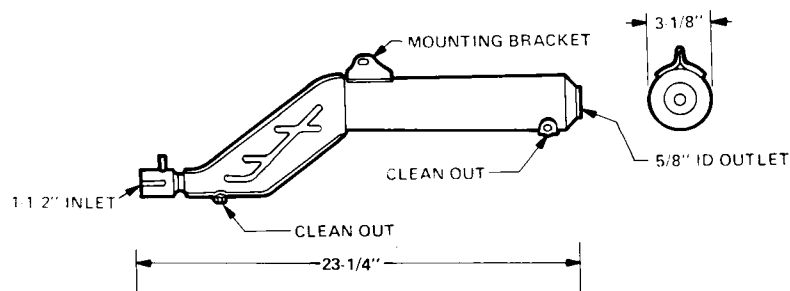
109



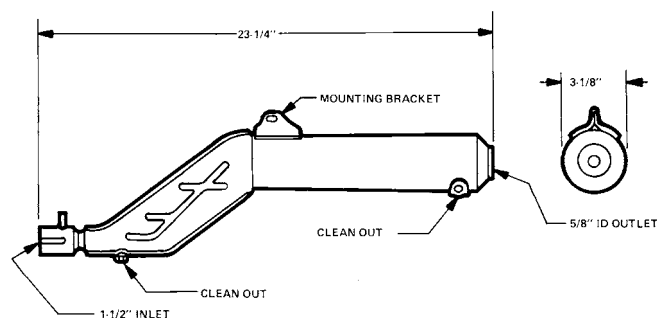
111



112



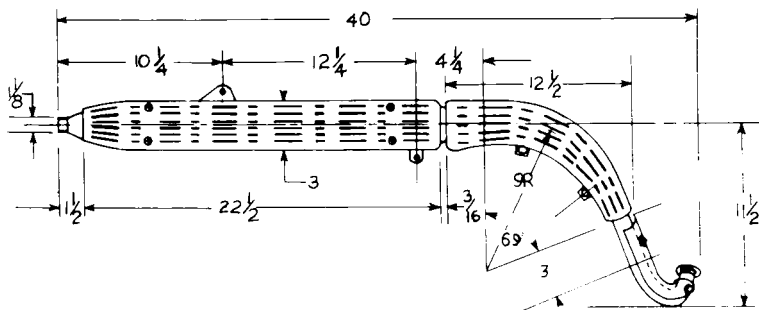
115 Production Model



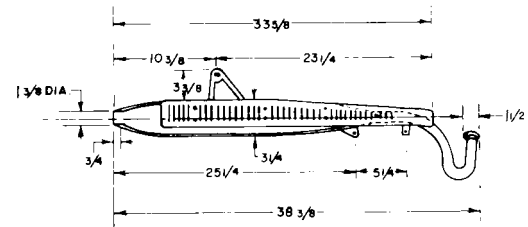
116

HONDA-KRIZMAN

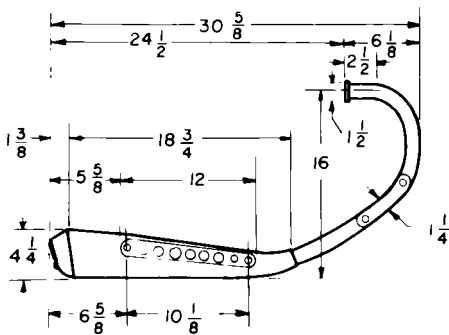
HONDA-KRIZMAN (continued)



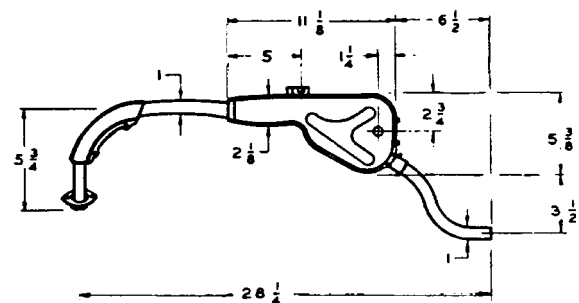
203



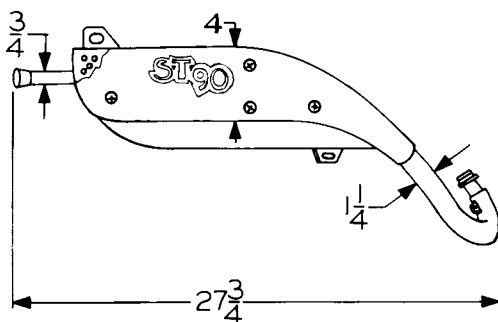
204



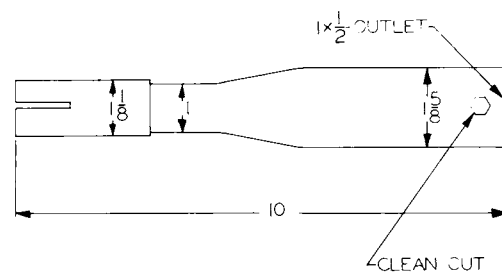
205



206



207

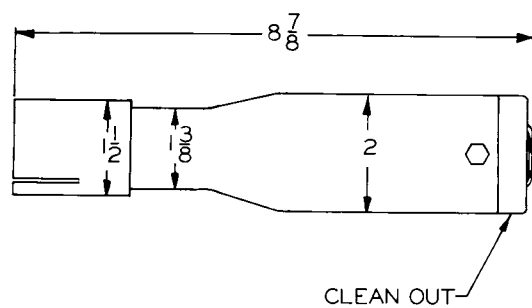


209

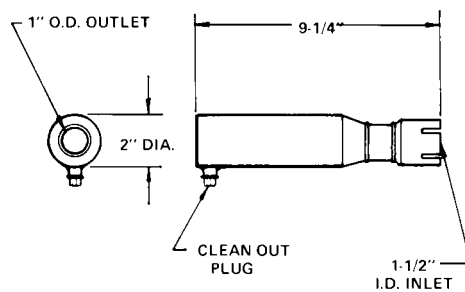
HONDA-KRIZMAN (continued)**HONDA-KRIZMAN (continued)**

HONDA-KRIZMAN

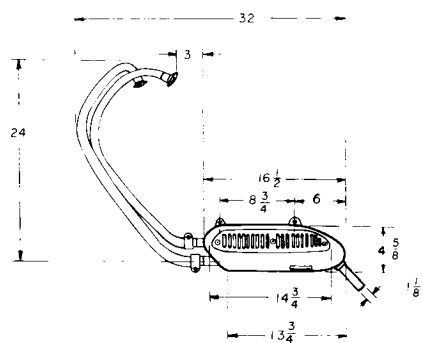
HONDA-KRIZMAN (continued)



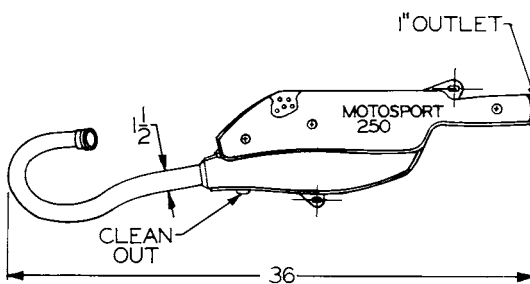
305



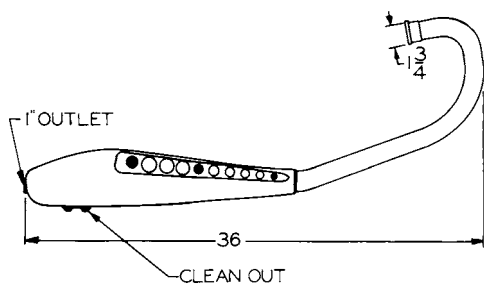
306



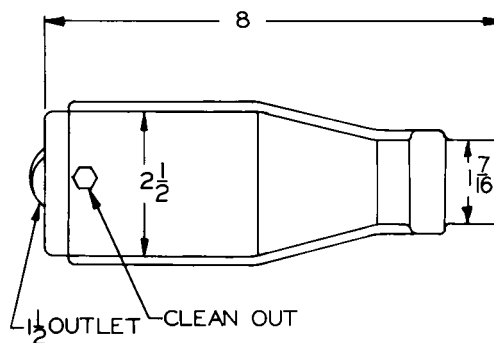
400



401



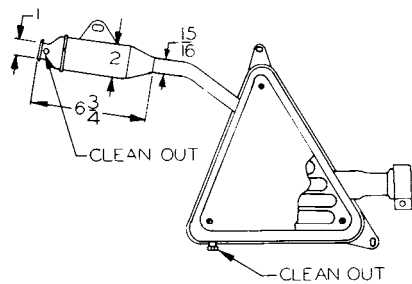
402



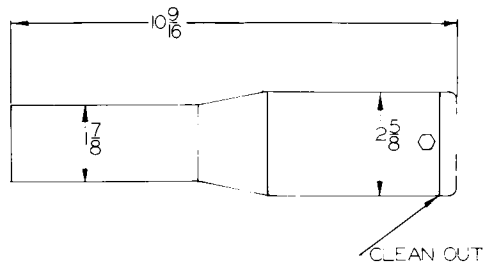
404

HONDA-KRIZMAN

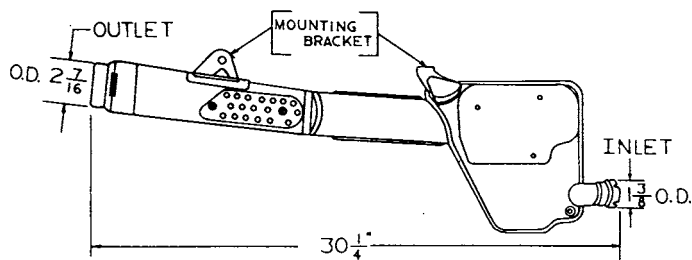
HONDA-KRIZMAN (continued)



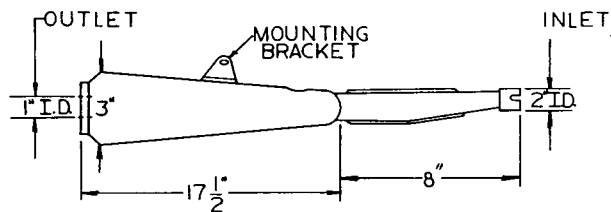
406



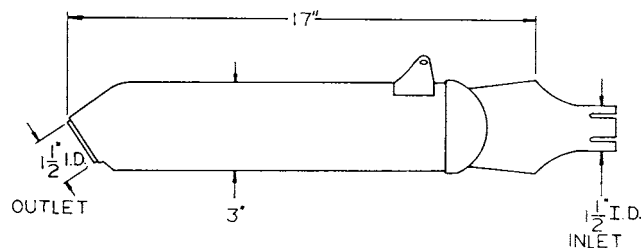
407



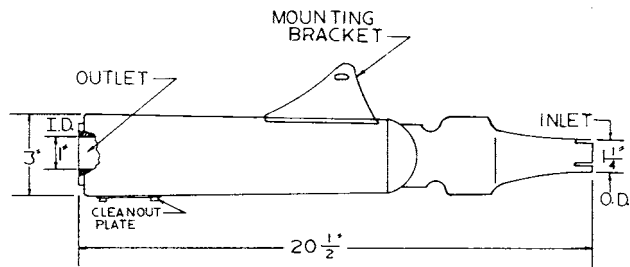
409



409A



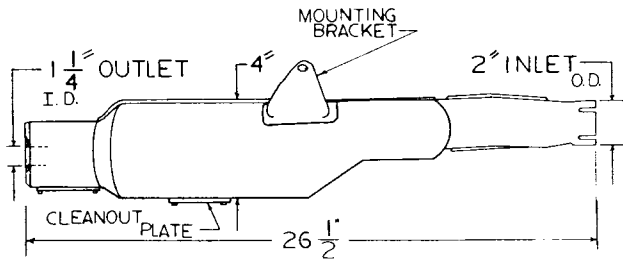
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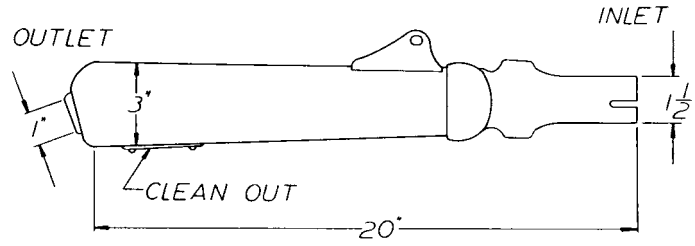
411

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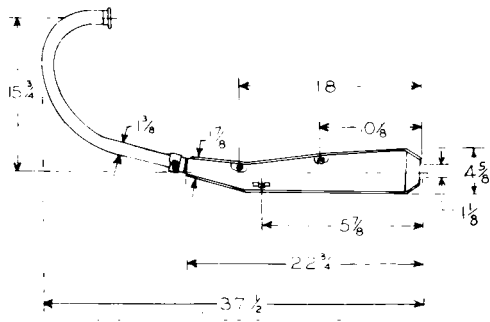
HONDA-KRIZMAN (continued)



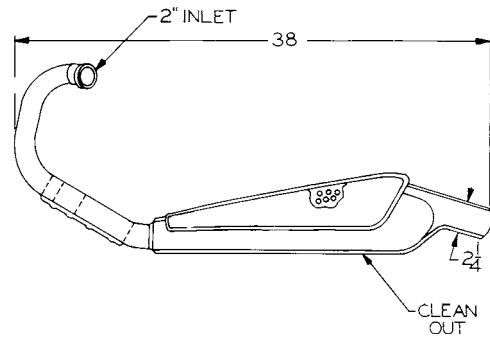
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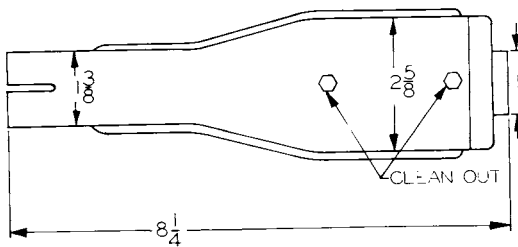
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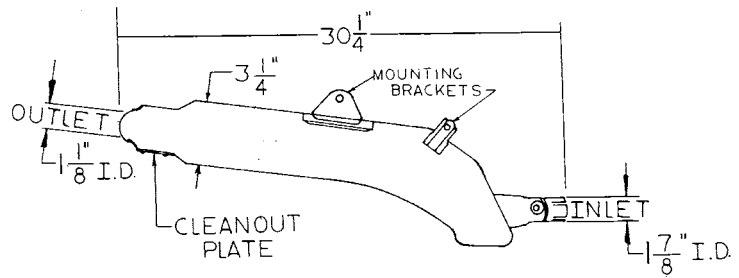
500



501



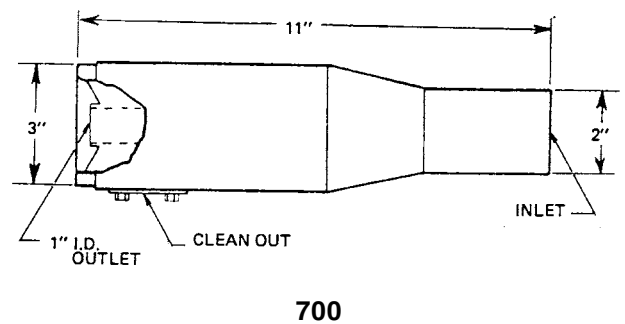
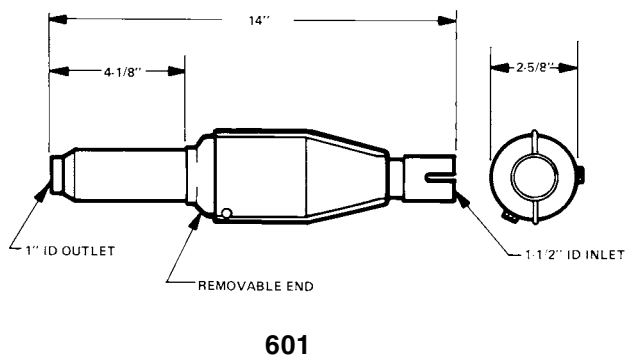
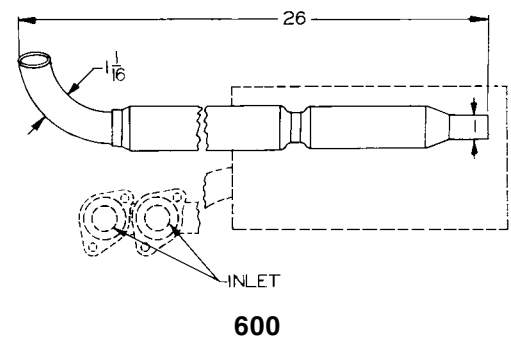
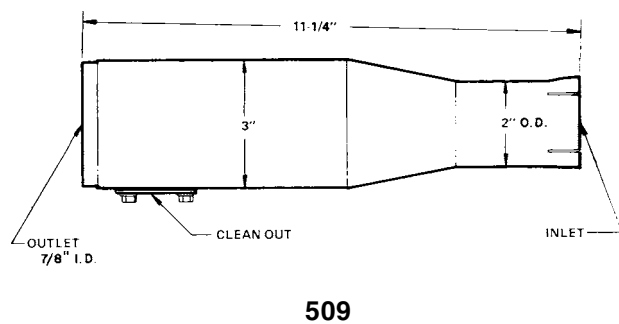
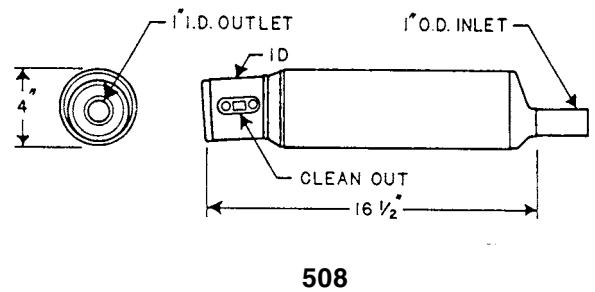
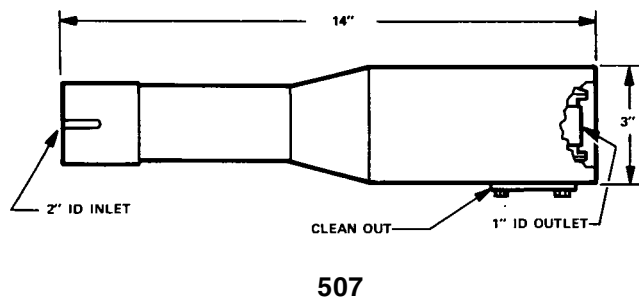
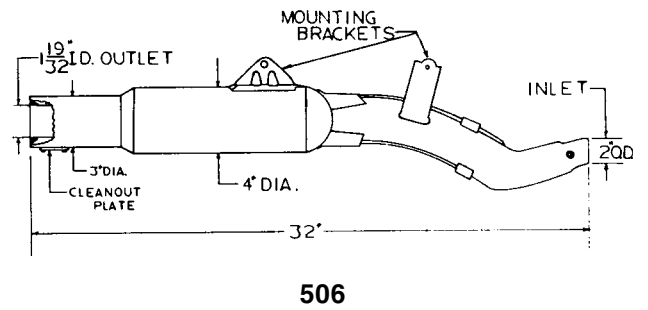
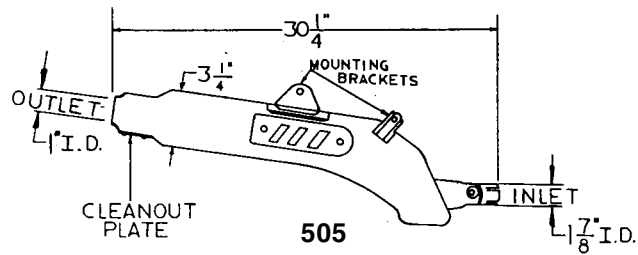
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504

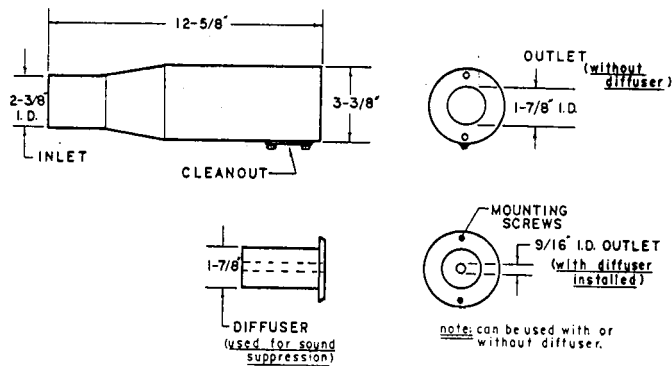
HONDA-KRIZMAN

HONDA-KRIZMAN (continued)



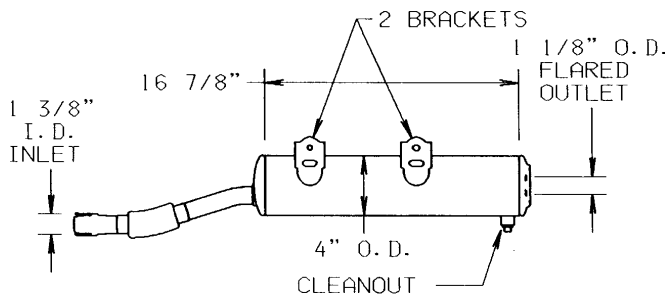
HONDA-KRIZMAN•HONDA-NELSON

HONDA-KRIZMAN (continued)

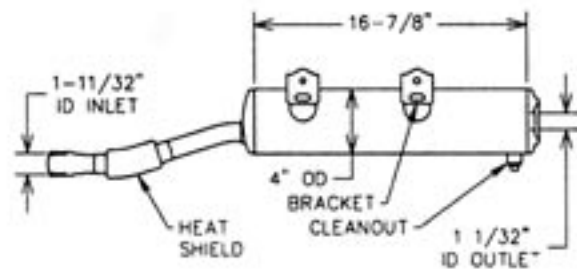


701

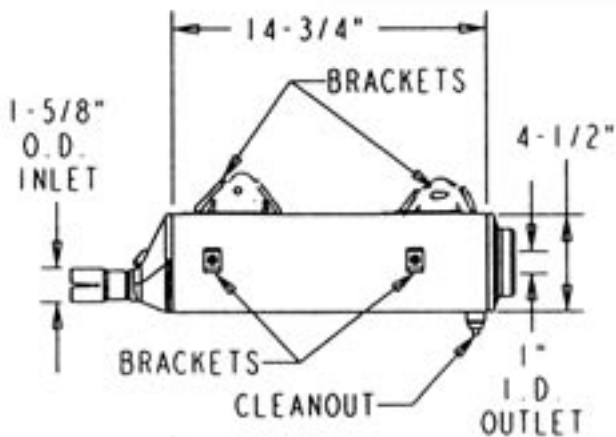
HONDA-NELSON



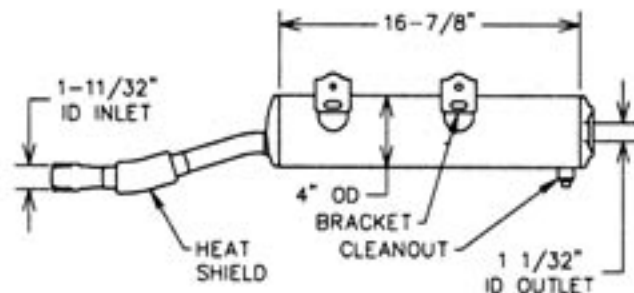
Honda-Nelson 26296



Honda-Nelson 200986

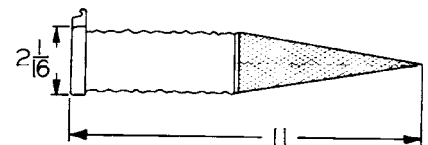
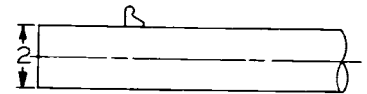


Honda-Nelson 201950



Honda-Nelson 202702

HOOKER



26283

Technical drawing of a mechanical part with dimensions:

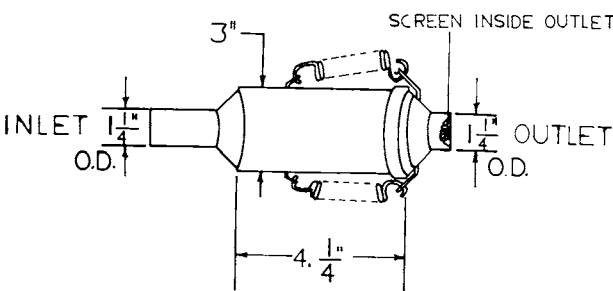
- Overall length: $10\frac{3}{16}$
- Distance from left end to center of hole: $8\frac{1}{2}$
- Distance from left end to right end of hole: $7\frac{5}{8}$
- Distance from left end to center of hole: $7\frac{1}{4}$
- Distance from center of hole to right end of hole: $\frac{3}{8}$
- Distance from center of hole to right end of hole: $\frac{1}{4}$
- Distance from center of hole to right end of hole: $\frac{5}{8}$
- Distance from center of hole to right end of hole: $\frac{5}{32}$
- Distance from center of hole to right end of hole: $\frac{1}{6}$ O.D.
- Distance from center of hole to right end of hole: $\frac{1}{16}$ I.D.
- Distance from center of hole to right end of hole: $\frac{1}{32}$
- Distance from center of hole to right end of hole: $\frac{1}{64}$
- Distance from center of hole to right end of hole: $\frac{1}{128}$
- Distance from center of hole to right end of hole: $\frac{1}{256}$
- Distance from center of hole to right end of hole: $\frac{1}{512}$
- Distance from center of hole to right end of hole: $\frac{1}{1024}$
- Distance from center of hole to right end of hole: $\frac{1}{2048}$
- Distance from center of hole to right end of hole: $\frac{1}{4096}$
- Distance from center of hole to right end of hole: $\frac{1}{8192}$
- Distance from center of hole to right end of hole: $\frac{1}{16384}$
- Distance from center of hole to right end of hole: $\frac{1}{32768}$
- Distance from center of hole to right end of hole: $\frac{1}{65536}$
- Distance from center of hole to right end of hole: $\frac{1}{131072}$
- Distance from center of hole to right end of hole: $\frac{1}{262144}$
- Distance from center of hole to right end of hole: $\frac{1}{524288}$
- Distance from center of hole to right end of hole: $\frac{1}{1048576}$
- Distance from center of hole to right end of hole: $\frac{1}{2097152}$
- Distance from center of hole to right end of hole: $\frac{1}{4194304}$
- Distance from center of hole to right end of hole: $\frac{1}{8388608}$
- Distance from center of hole to right end of hole: $\frac{1}{16777216}$
- Distance from center of hole to right end of hole: $\frac{1}{33554432}$
- Distance from center of hole to right end of hole: $\frac{1}{67108864}$
- Distance from center of hole to right end of hole: $\frac{1}{134217728}$
- Distance from center of hole to right end of hole: $\frac{1}{268435456}$
- Distance from center of hole to right end of hole: $\frac{1}{536870912}$
- Distance from center of hole to right end of hole: $\frac{1}{1073741824}$
- Distance from center of hole to right end of hole: $\frac{1}{2147483648}$
- Distance from center of hole to right end of hole: $\frac{1}{4294967296}$
- Distance from center of hole to right end of hole: $\frac{1}{8589934592}$
- Distance from center of hole to right end of hole: $\frac{1}{17179869184}$
- Distance from center of hole to right end of hole: $\frac{1}{34359738368}$
- Distance from center of hole to right end of hole: $\frac{1}{68719476736}$
- Distance from center of hole to right end of hole: $\frac{1}{137438953472}$
- Distance from center of hole to right end of hole: $\frac{1}{274877906944}$
- Distance from center of hole to right end of hole: $\frac{1}{549755813888}$
- Distance from center of hole to right end of hole: $\frac{1}{1099511627776}$
- Distance from center of hole to right end of hole: $\frac{1}{2199023255552}$
- Distance from center of hole to right end of hole: $\frac{1}{4398046511104}$
- Distance from center of hole to right end of hole: $\frac{1}{8796093022208}$
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- Distance from center of hole to right end of hole: $\frac{1}{562949953421312}$
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- Distance from center of hole to right end of hole: $\frac{1}{147573952589676412928}$
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- Distance from center of hole to right end of hole: $\frac{1}{1180591620717411303424}$
- Distance from center of hole to right end of hole: $\frac{1}{2361183241434822606848}$
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- Distance from center of hole to right end of hole: $\frac{1}{75557863725914323419136}$
- Distance from center of hole to right end of hole: $\frac{1}{151115727451828646838272}$
- Distance from center of hole to right end of hole: $\frac{1}{302231454903657293676544}$
- Distance from center of hole to right end of hole: $\frac{1}{604462909807314587353088}$
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- Distance from center of hole to right end of hole: $\frac{1}{1237940039285380274899124224}$
- Distance from center of hole to right end of hole: $\frac{1}{2475880078570760549798248448}$
- Distance from center of hole to right end of hole: $\frac{1}{4951760157141521099596496896}$
- Distance from center of hole to right end of hole: $\frac{1}{9903520314283042199192993792}$
- Distance from center of hole to right end of hole: $\frac{1}{19807040628566084398385987584}$
- Distance from center of hole to right end of hole: $\frac{1}{39614081257132168796771975168}$
- Distance from center of hole to right

HE*

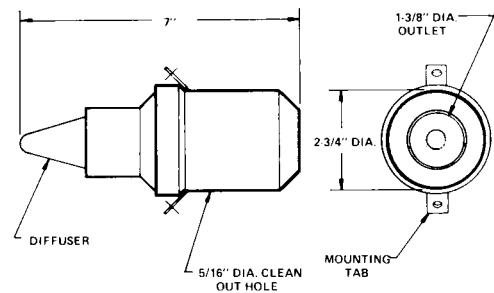
177

HUSQVARNA•HUTCHINS FREFLO•IHC

HUSQVARNA

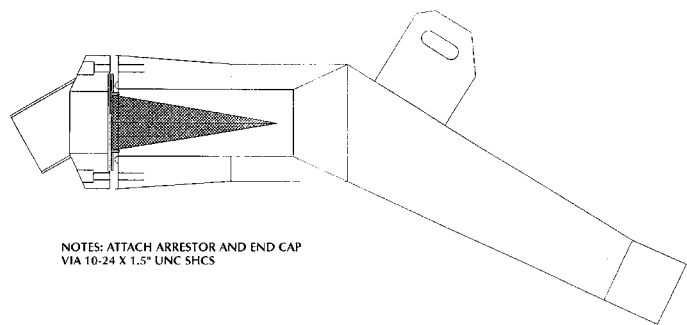


F15-1041



KS 500D

HUTCHINS FREFLO



NOTES: ATTACH ARRESTOR AND END CAP
VIA 10-24 X 1.5" UNC SHCS

CYCLE GEAR #1

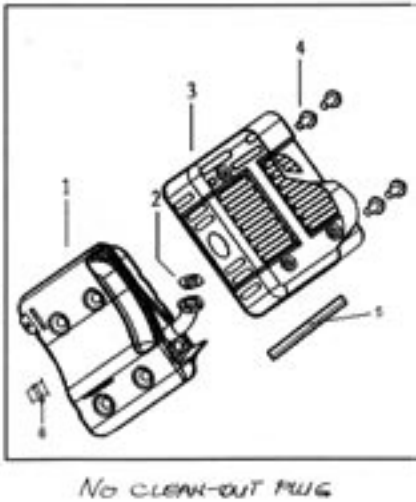
IHC

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

IMS•J & R KRIZMAN

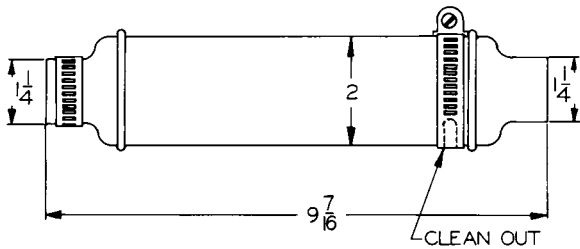
INTERNATIONAL MERCHANDISING SERVICE (IMS)

NO.	PART NO.	DESCRIPTION	QTY
1	QJ2500-06-01	Muffler Insulating Comp.	1
2	QJ2500-13-02	Gasket, Flange	1
3	QJ2500-13-03	Muffler Guard Shield	1
4	GB1781-06	Bolt	4
5	QJ2500-13-06	Muffler Rubber Strip	2
6	QJ2500-13-05	Muffler Fireproof Cap	1

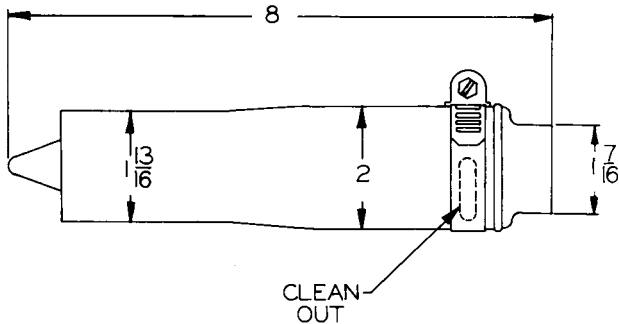


INTERNATIONAL MERCHANDISING SERVICE (IMS) GG

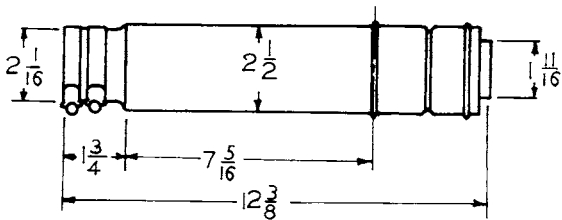
J & R KRIZMAN



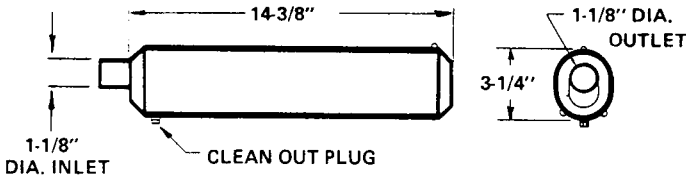
KS 350



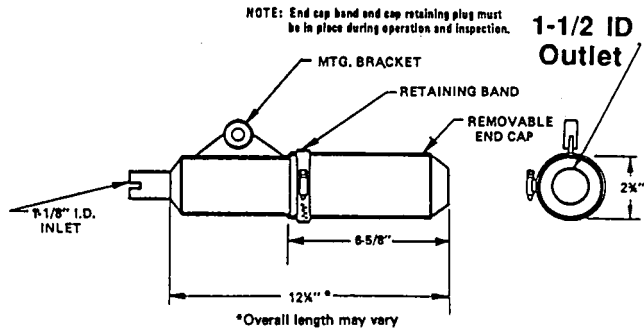
KS 500 A&C



KS 650

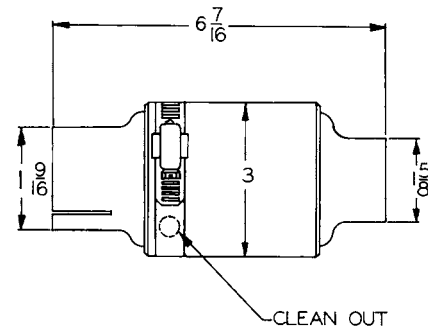
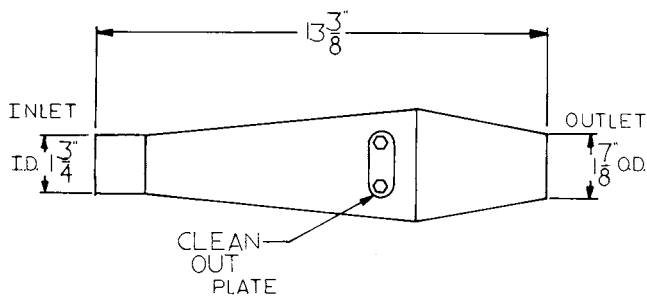


KS 650-O

J & R KRIZMAN (continued)

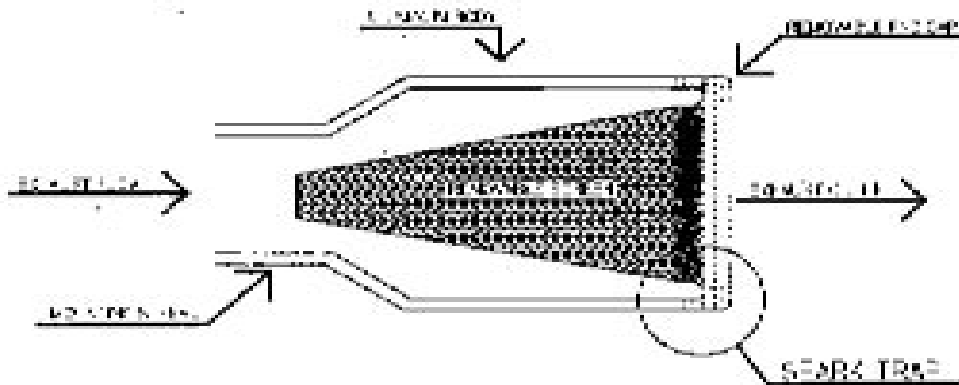
KS 650-A

KS 650-C—KS 650-A in oval muffler

**KS 650V**

KS 800

J.G. MINTER & SONS



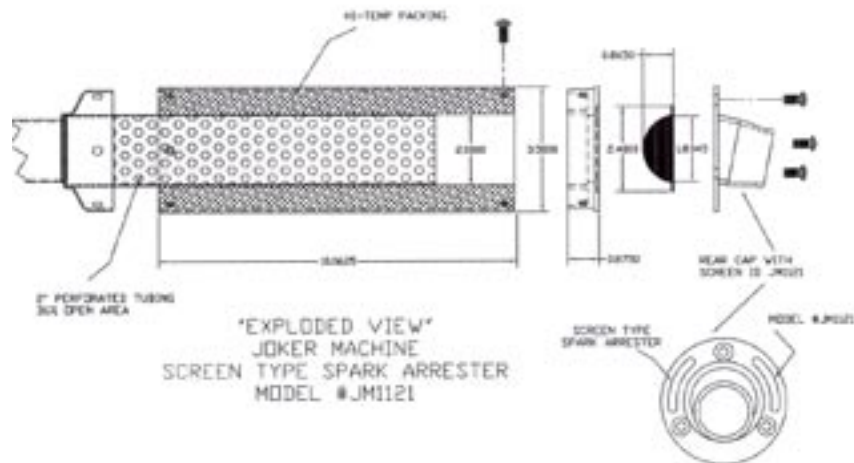
JGM2000

JOHN DEERE•JOKER MACHINE•KAWASAKI

JOHN DEERE

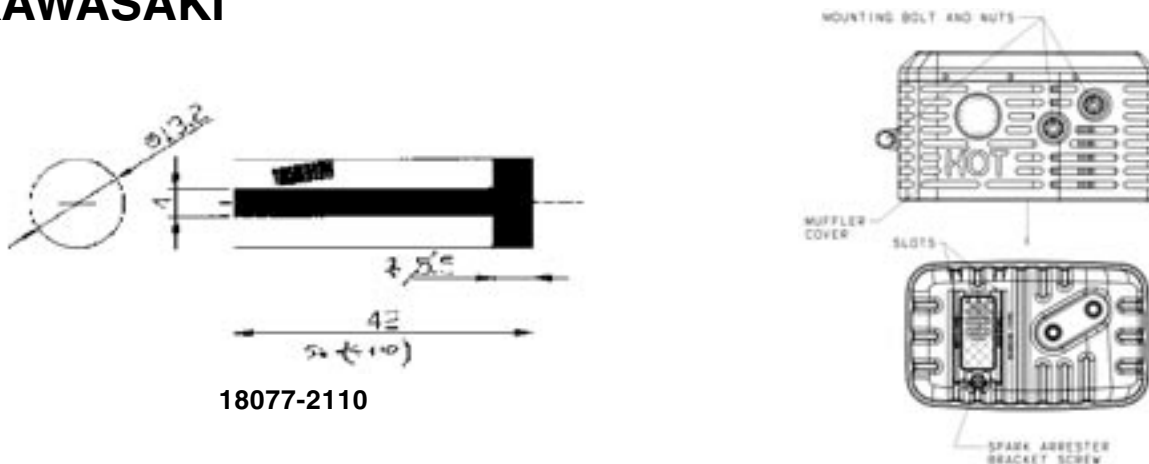
FOR	JOHN DEERE	AH-75693	SEE NELSON	T-10213
FOR	JOHN DEERE	AH-75694	SEE NELSON	T-10214
FOR	JOHN DEERE	AH-75695	SEE NELSON	T-10215
FOR	JOHN DEERE	AH-80388	SEE NELSON	T-11145
FOR	JOHN DEERE	AH-84965	SEE NELSON	T-12499
FOR	JOHN DEERE	AH-87289	SEE NELSON	T-11927
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FOR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

JOKER MACHINE



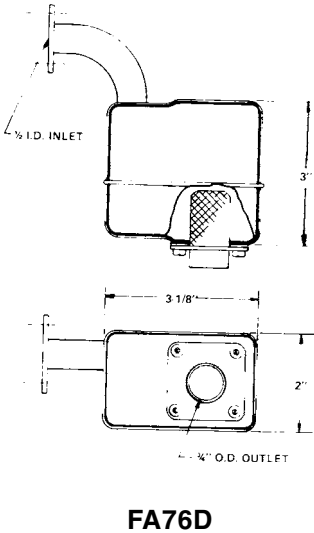
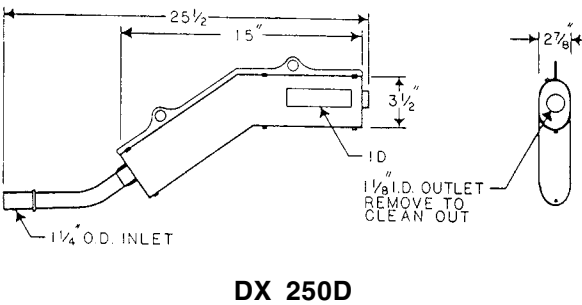
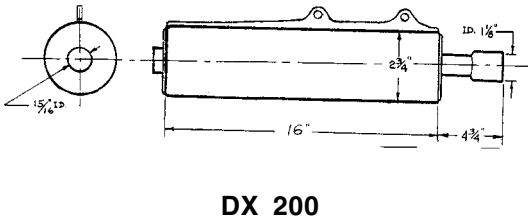
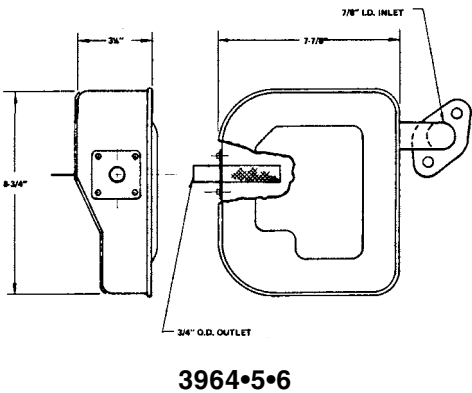
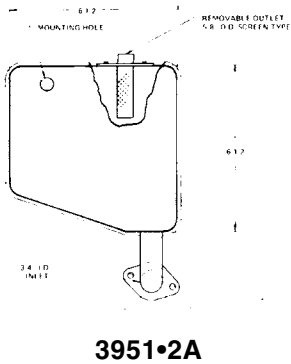
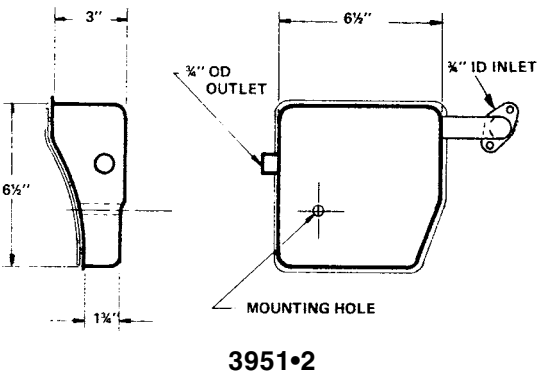
JM 1121

KAWASAKI



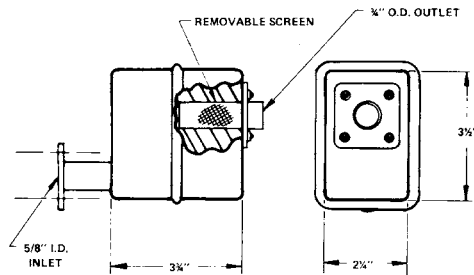
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18077-7004

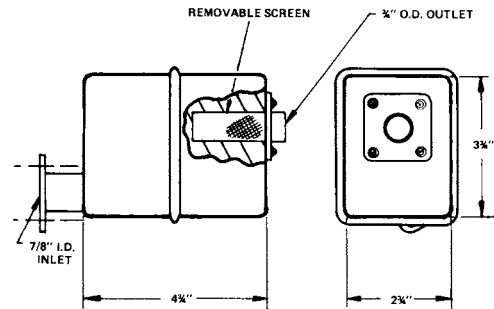


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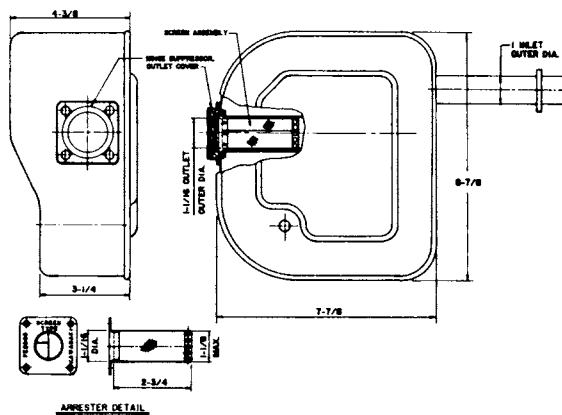
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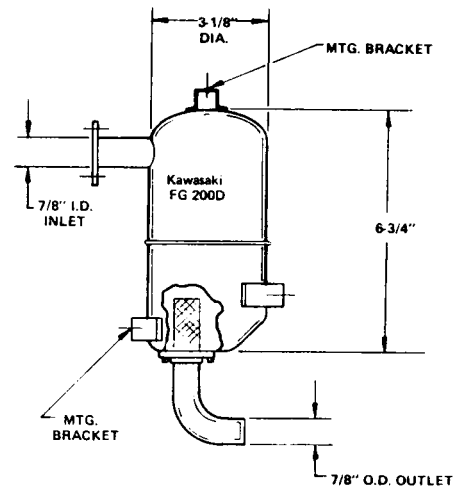
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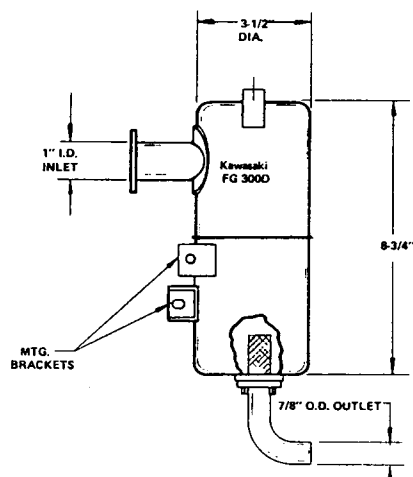
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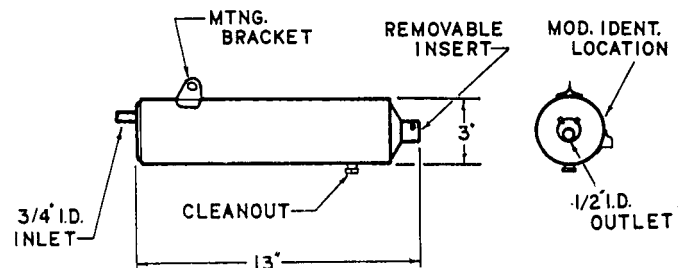
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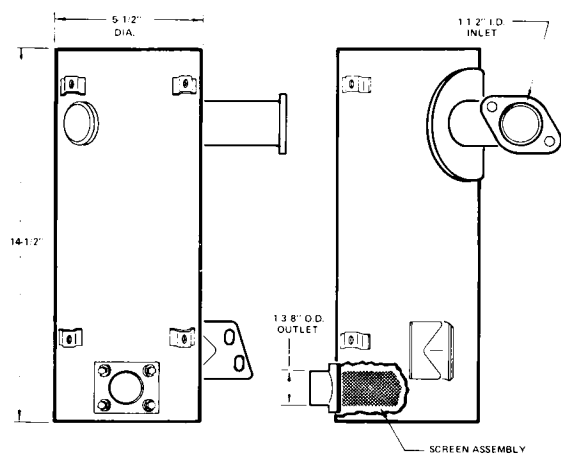
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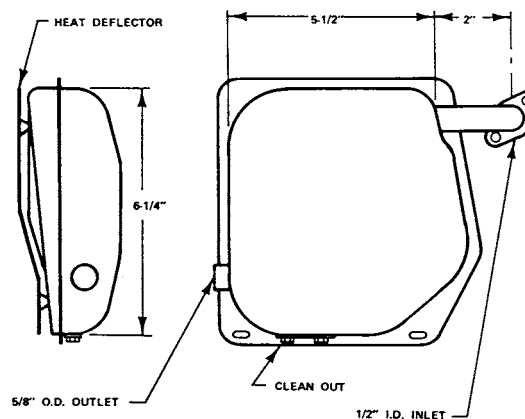
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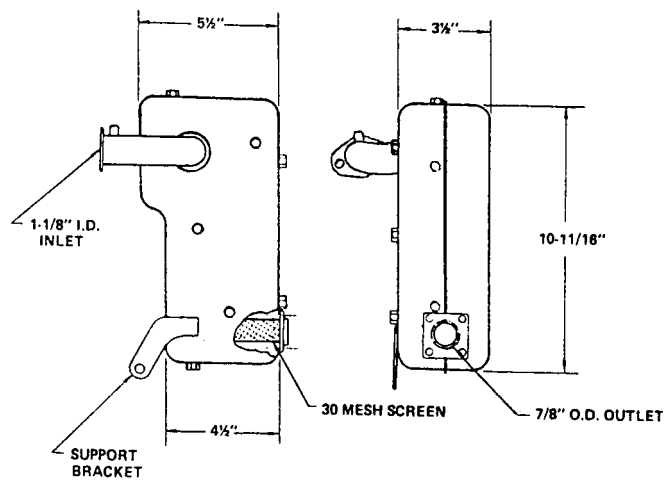
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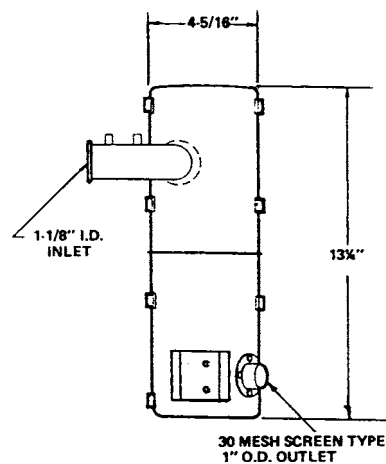
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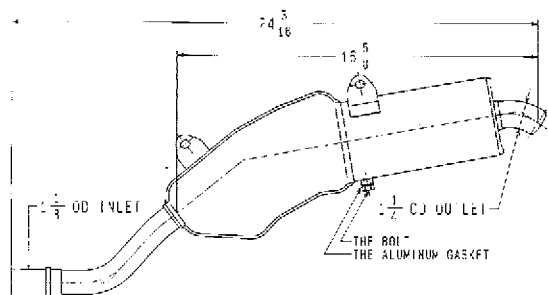
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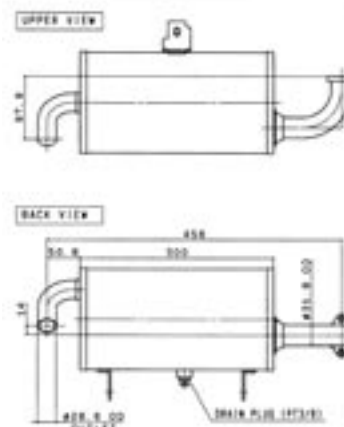
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KG-5000



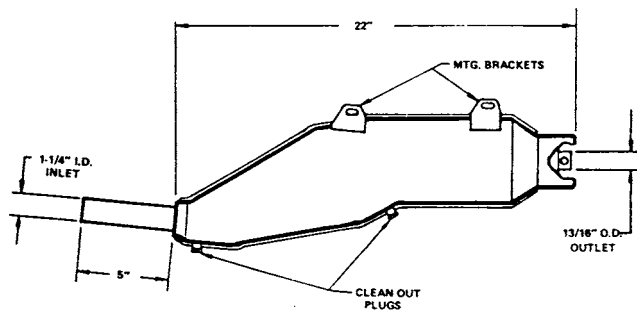
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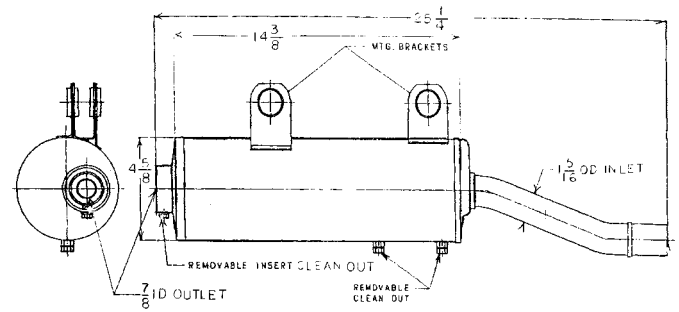
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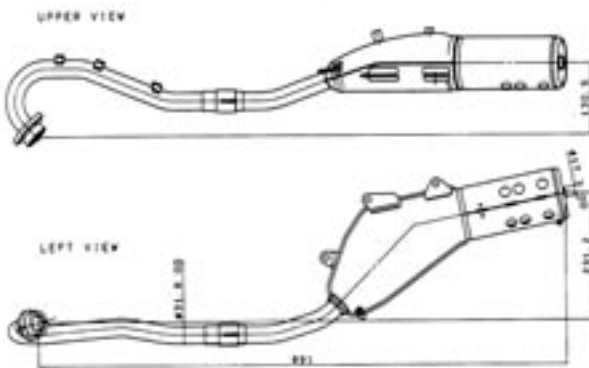
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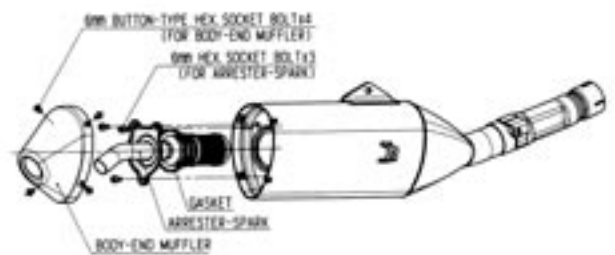
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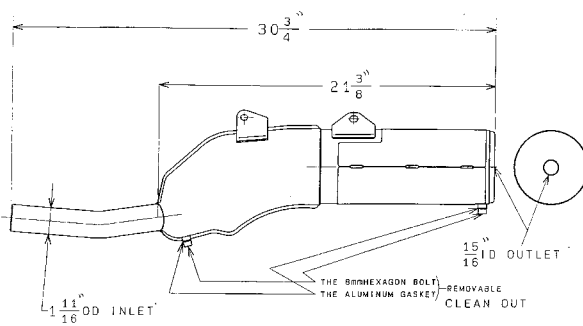
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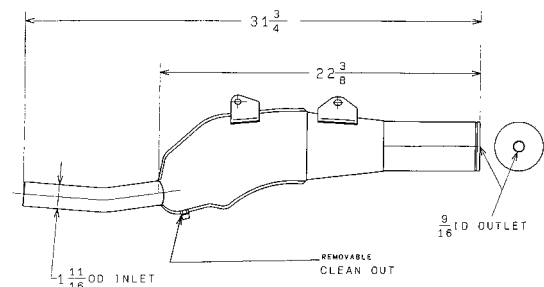
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KHI LX450A



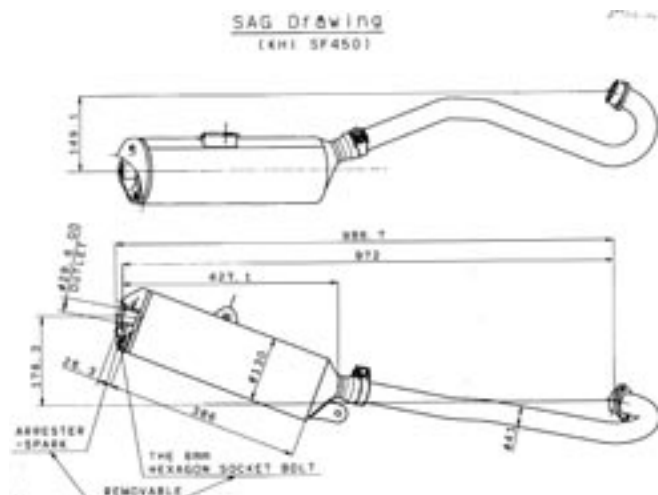
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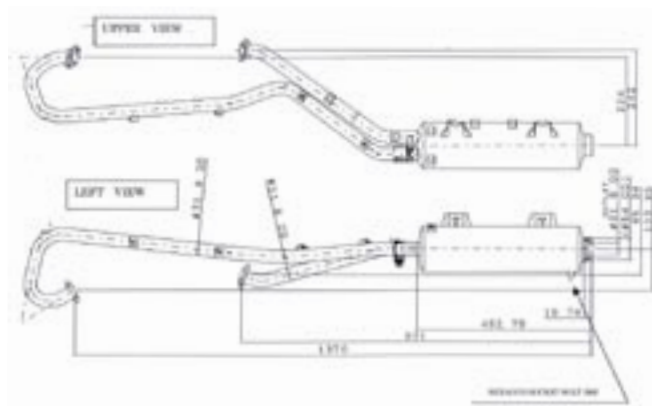
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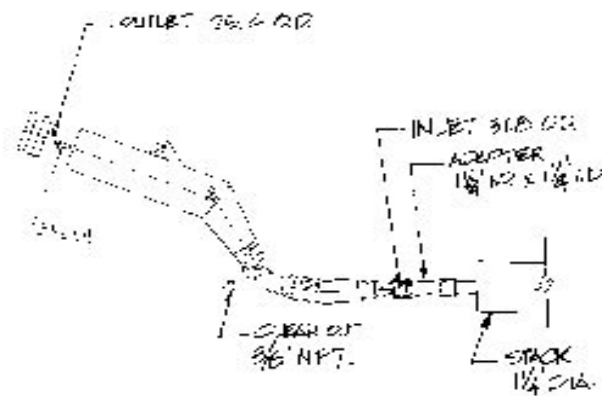
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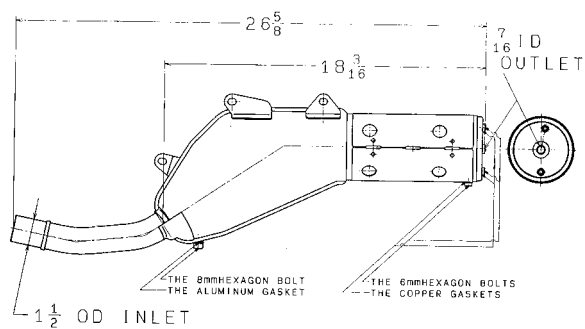
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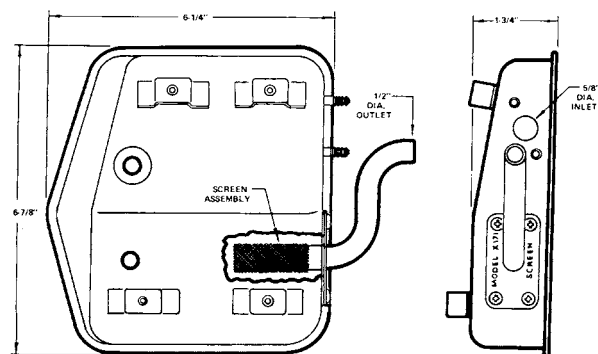
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KL 250G



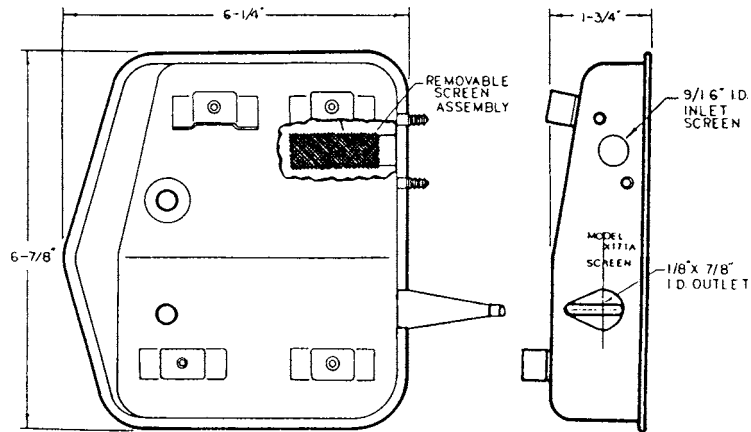
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X171

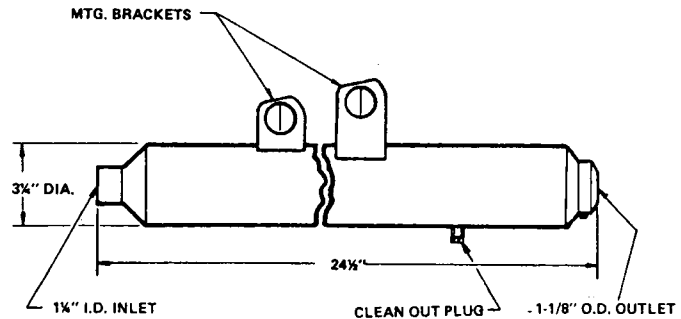
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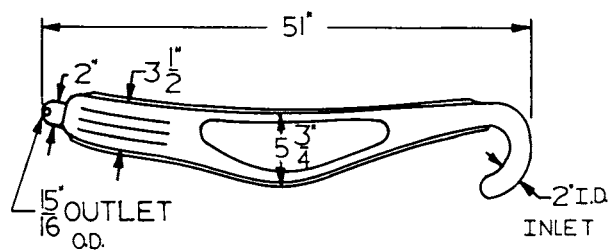


X171A

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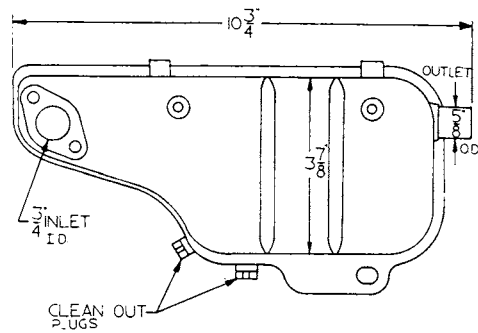
DX-250



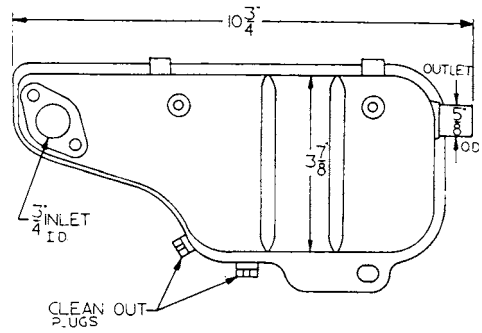
KD-400

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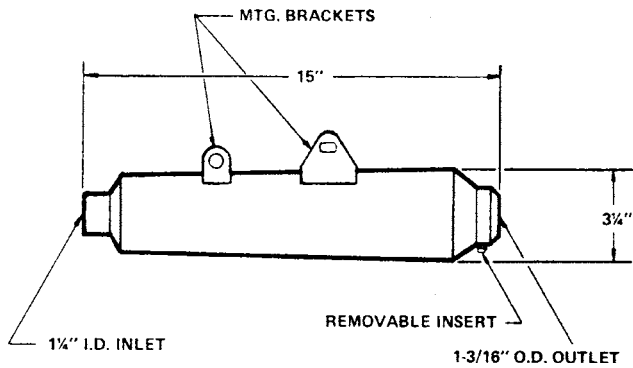
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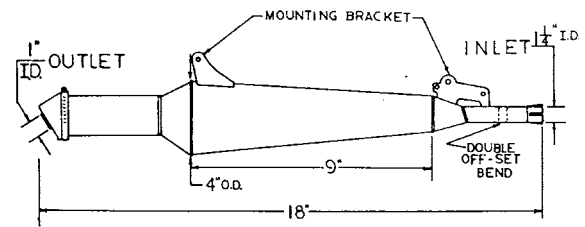
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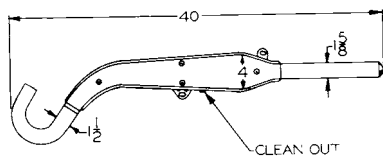
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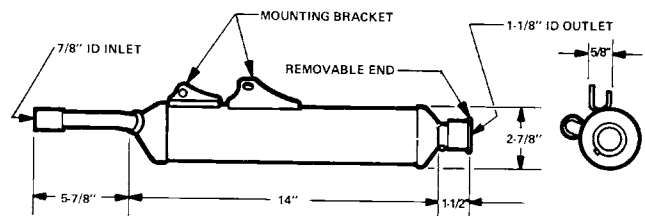
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KHI-KE250B



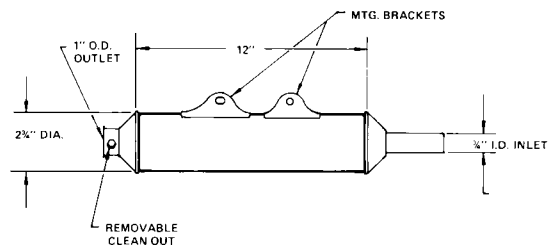
KS-250



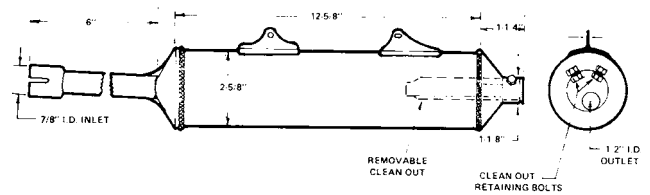
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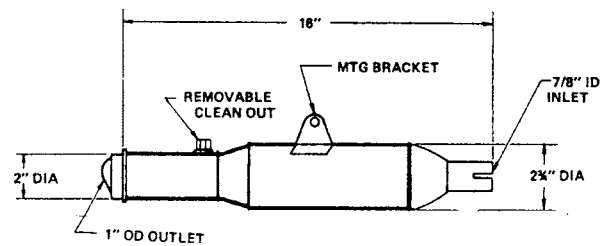
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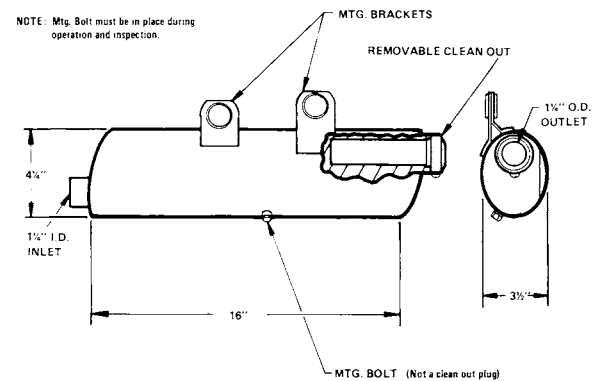
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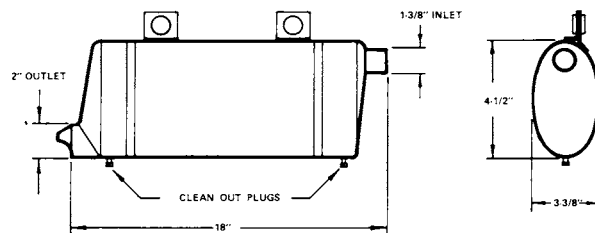
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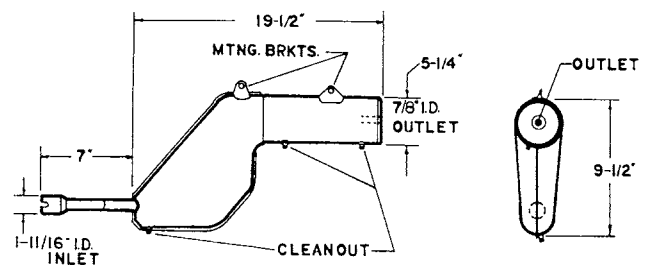
KS-500 KDX 175



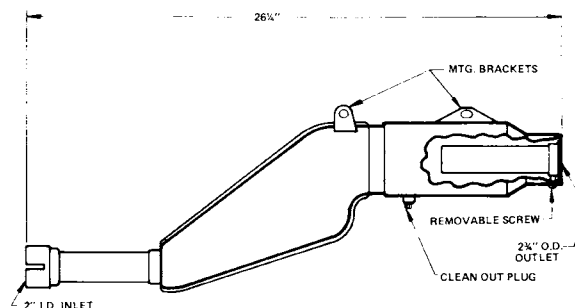
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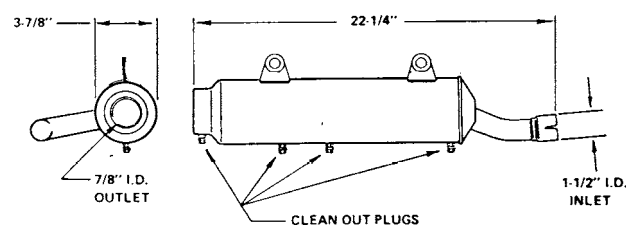
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KS-500 KHI KL65



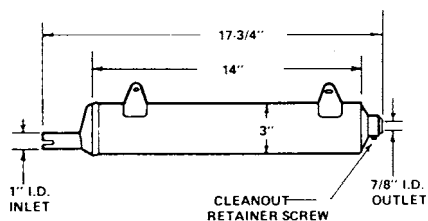
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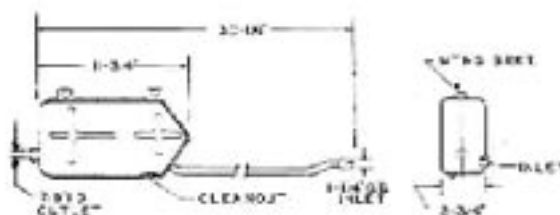
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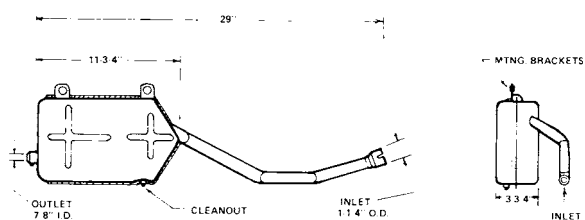
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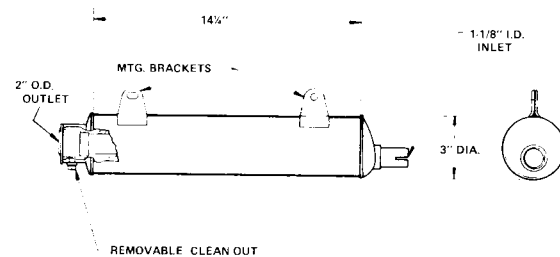
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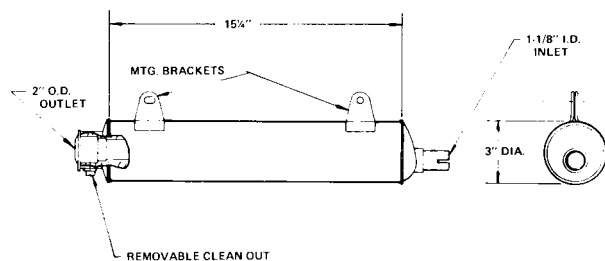
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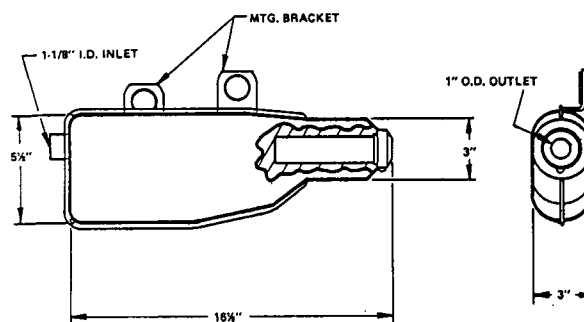
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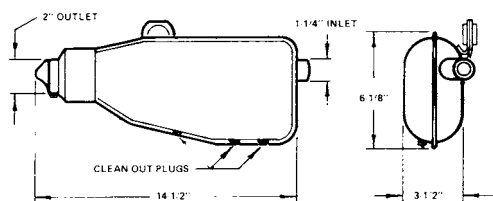
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KS-500 KHI LT160**



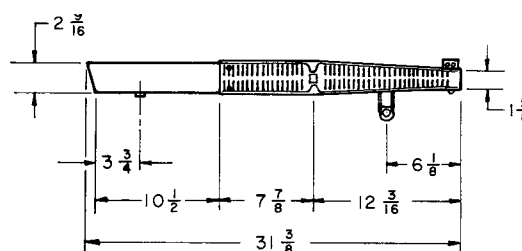
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KS-500 KHI XT250



KS-500 KHI XT250B2



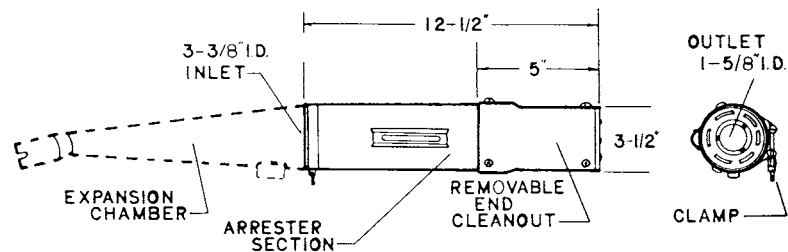
YS-80

KEEN PERCEPTIONS•KERKER-KRIZMAN•KITTEL

KEEN PERCEPTIONS

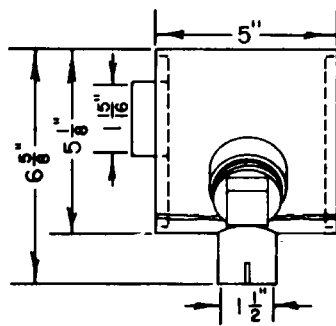
No diagrams available:
Refer to General Purpose Qualification Table at end of section for rating.

KERKER-KRIZMAN

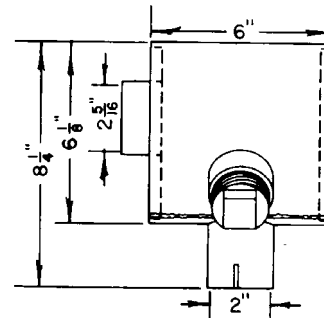


KS-650K

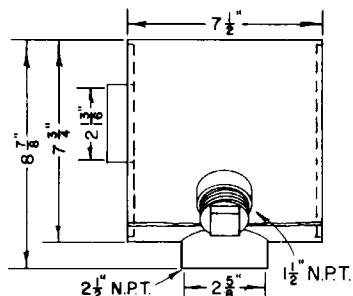
KITTEL



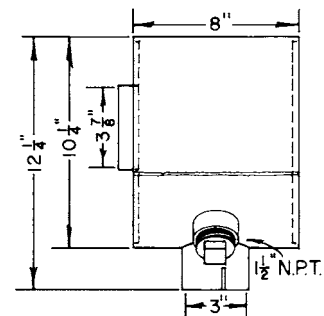
S-1 1/2A



S-2A



S-2 1/2A

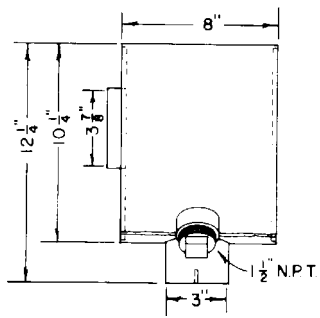


ALSO AVAILABLE WITH
3\"/>

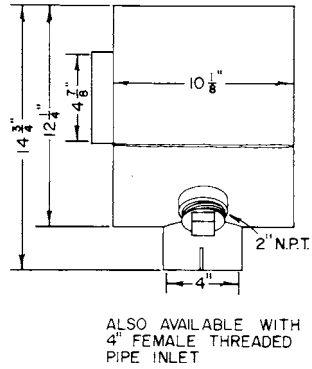
S-3

KITTEL

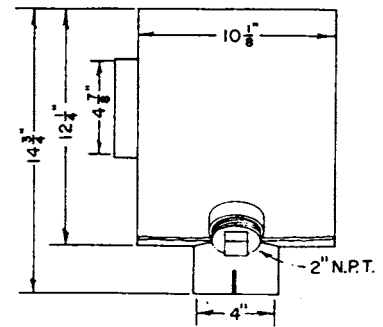
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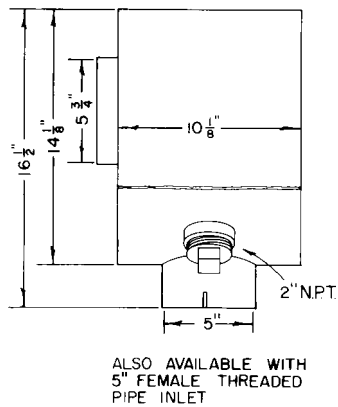
S-3A



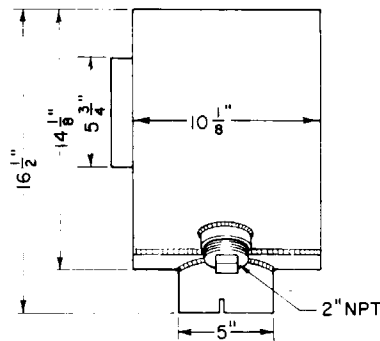
S-4



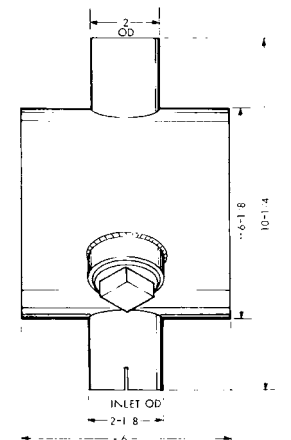
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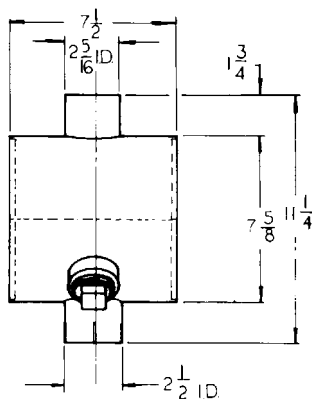
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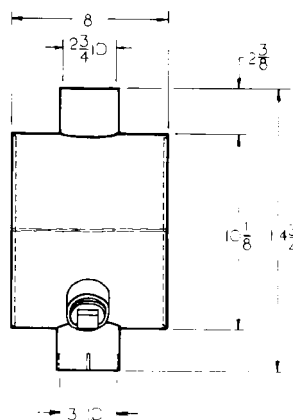
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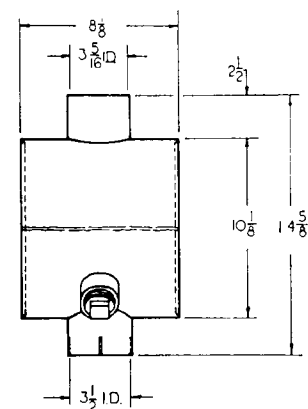
S-T-2



S-T-2-1•2



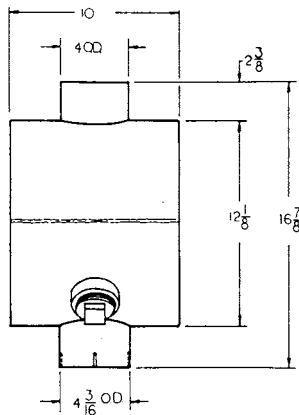
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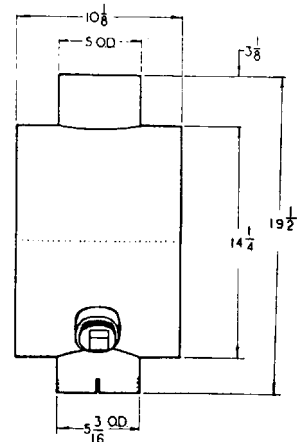
S-T-3-1•2

KITTEL•KOHLER

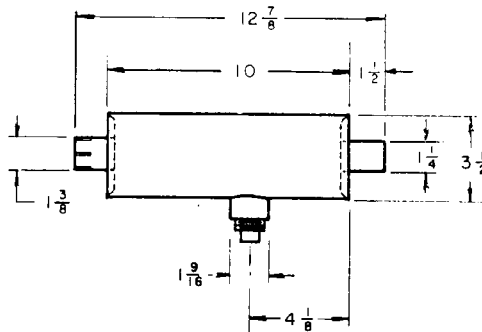
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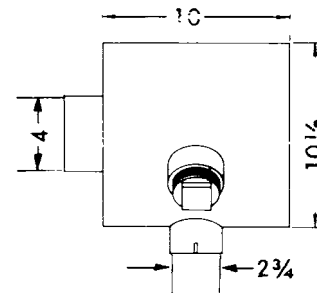
S-T-4



S-T-5

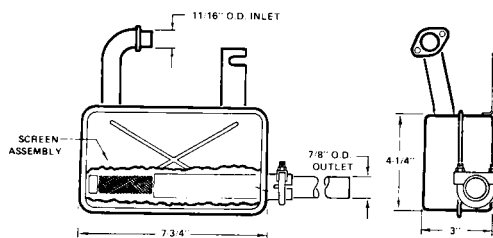


3510-SA 1-1•4

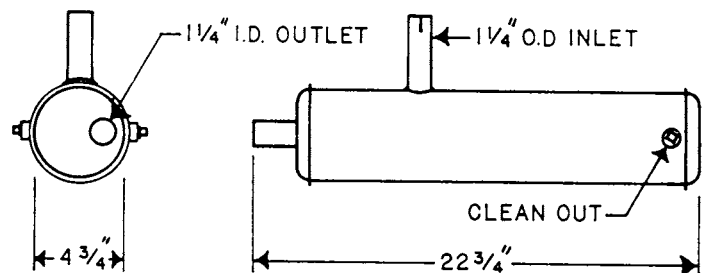


1010 HT

KOHLER



228218

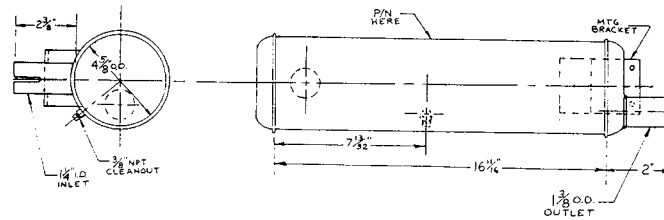


**Kohler 239724
Nelson 22755**

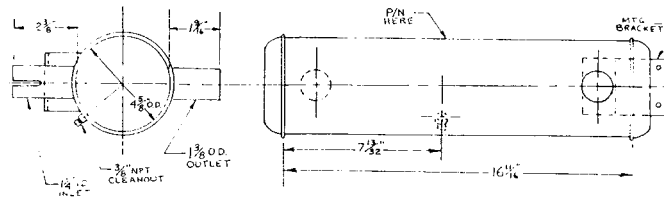
For Kohler 278402—see modified Kohler 278224 (body•arrestor horizontal)
For Kohler 278403—see modified Kohler 278224 (body•arrestor horizontal)
For Kohler 278416—see modified Kohler 278223 (body•arrestor horizontal)

KOHLER

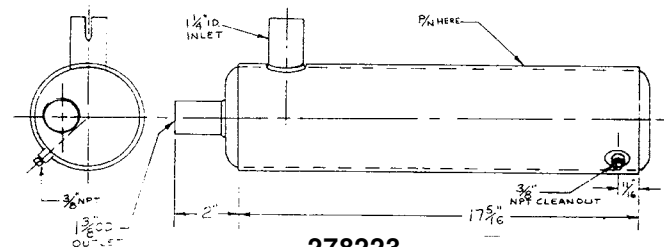
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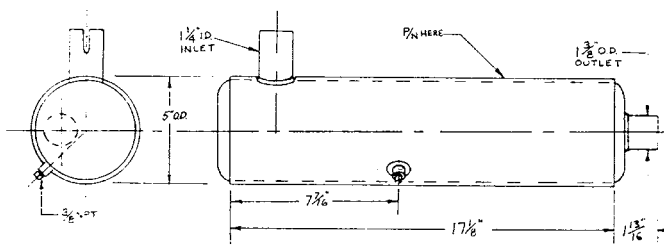
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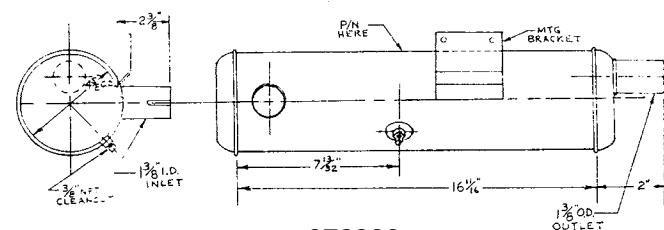
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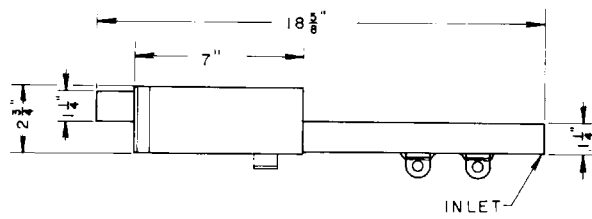


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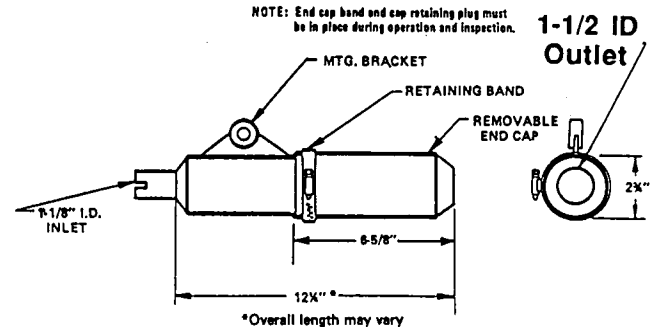


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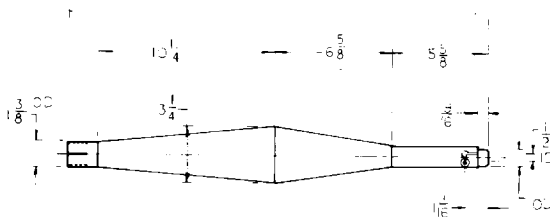
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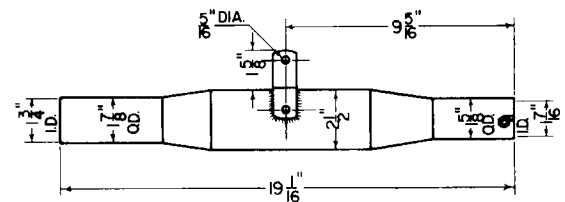
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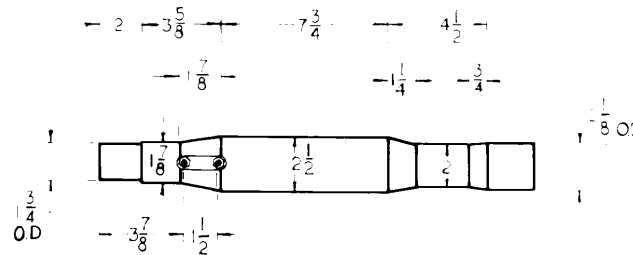
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T-H100
T-H100M

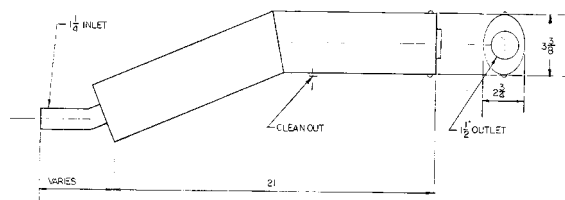


V-H1



V-H11

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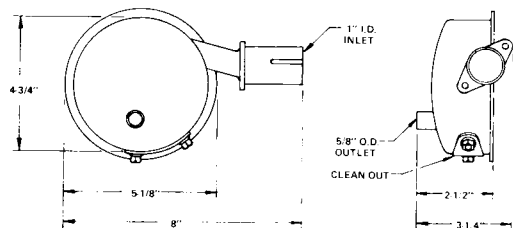
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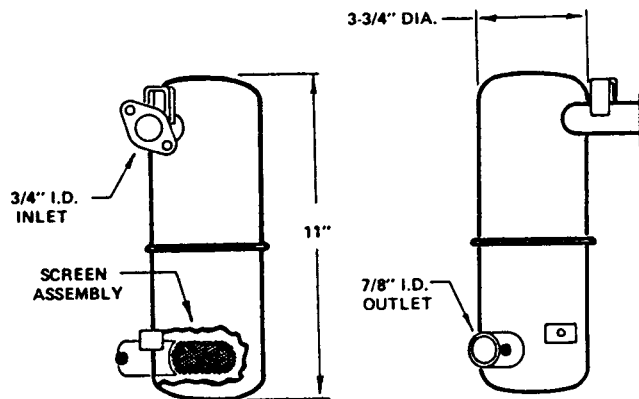
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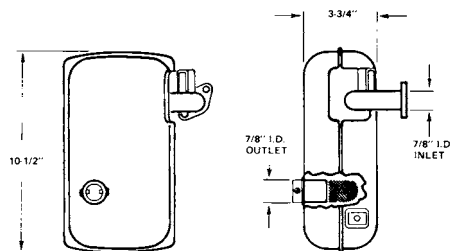
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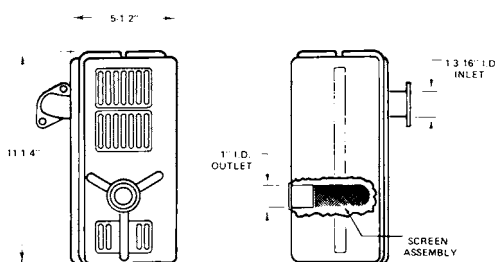
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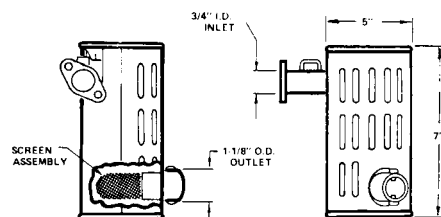
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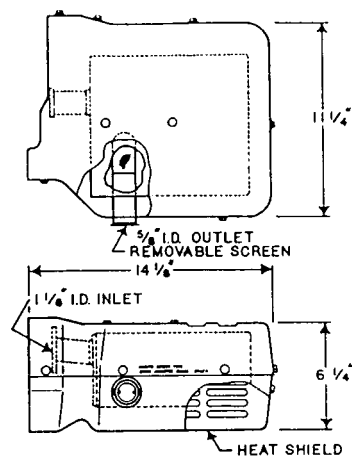
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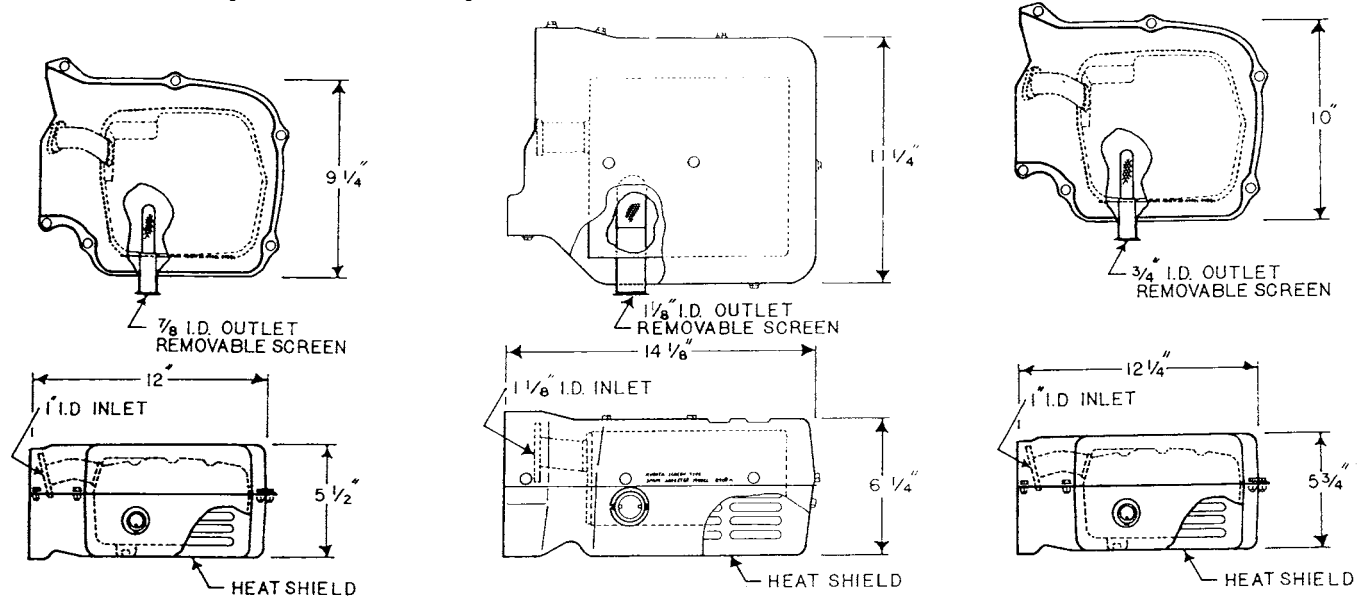
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KUBOTA•KYMCO

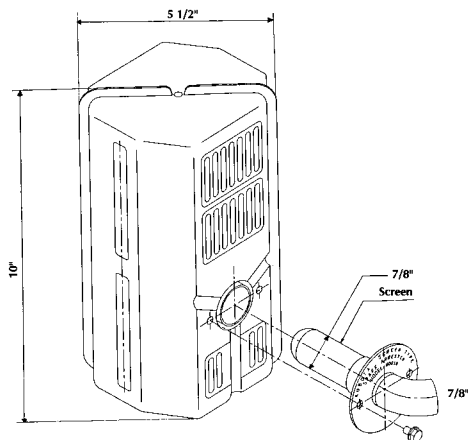
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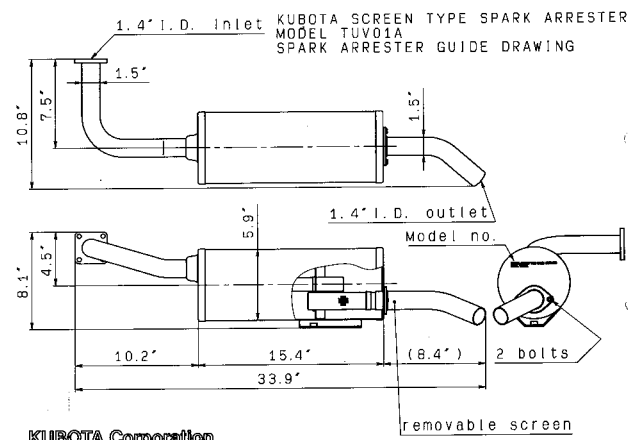
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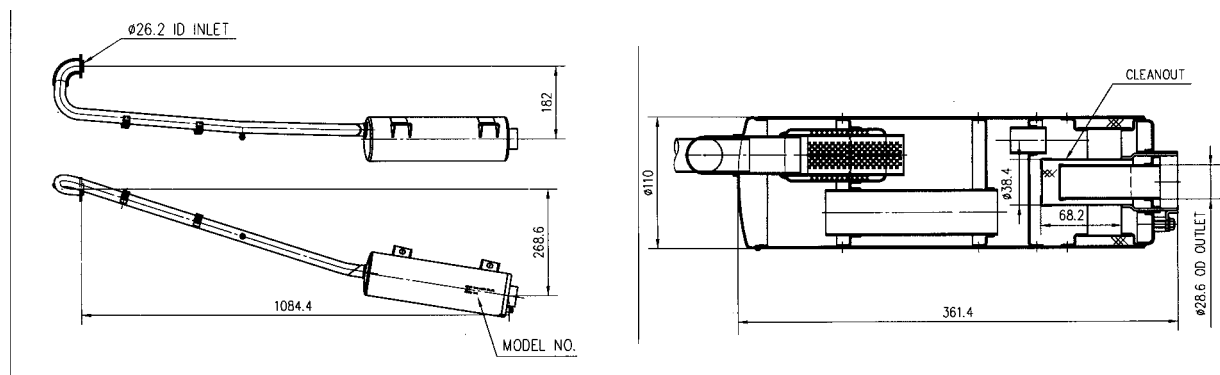


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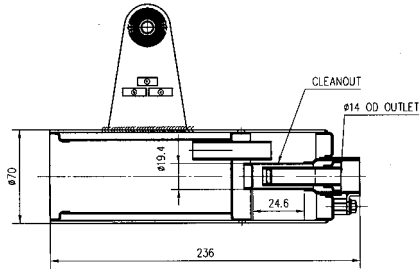
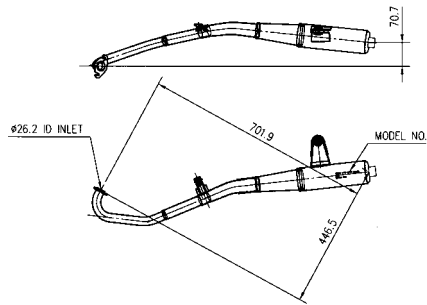
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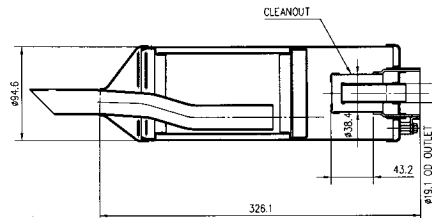
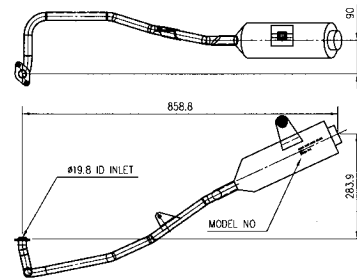
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KYMCO•LRD

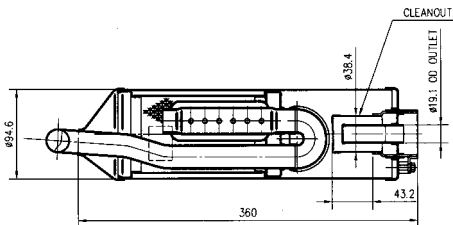
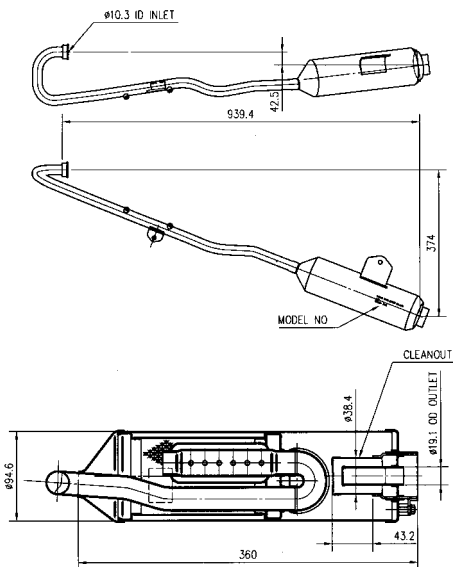
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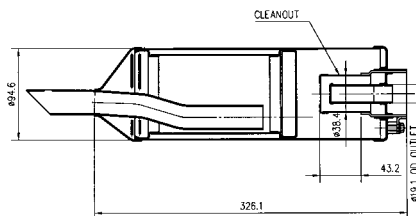
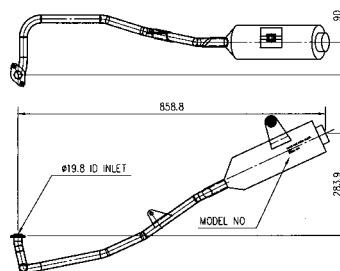
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LBD4

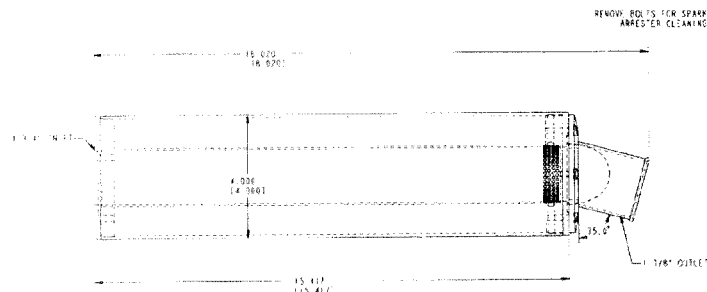


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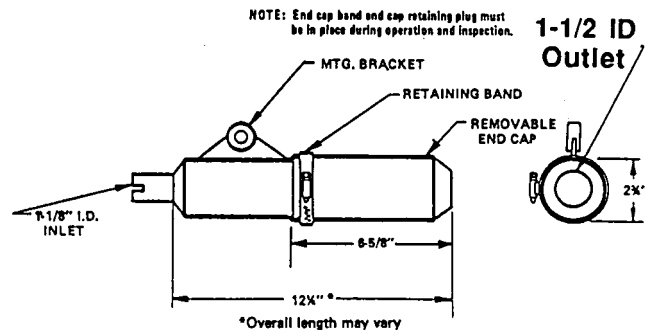
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LRDpro4Series

MAGNUM-KRIZMAN•MAGNUM RACING•MAREMONT

MAGNUM-KRIZMAN



KS 650 A

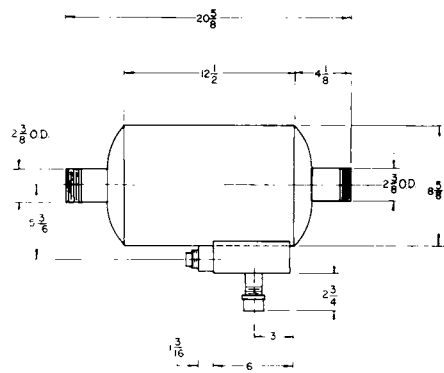
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No diagrams available:
Refer to General Purpose Qualification Table at end of section for rating.

MAREMONT (+)

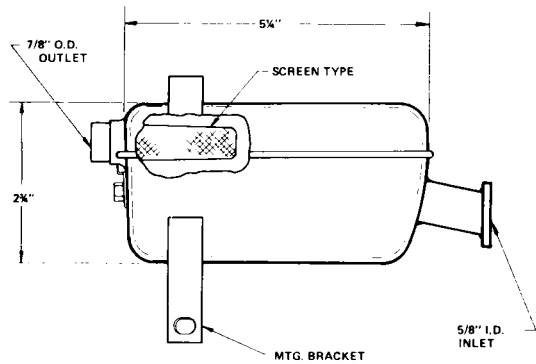
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MAXIM

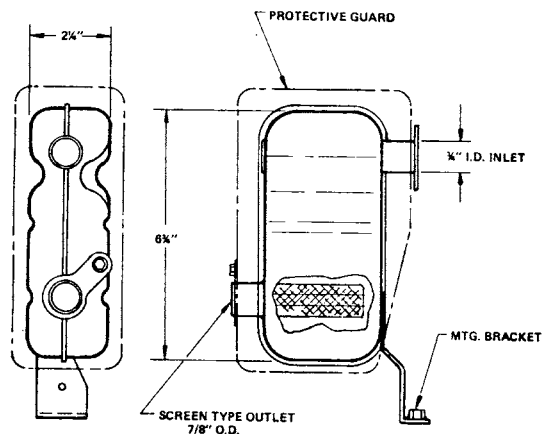


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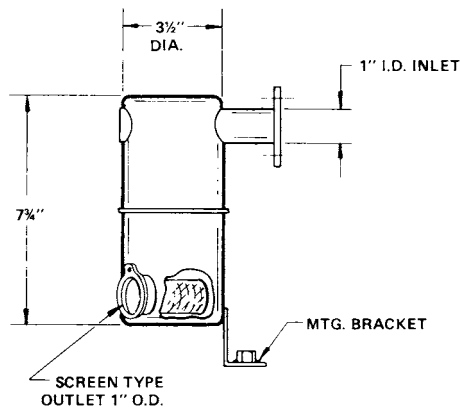
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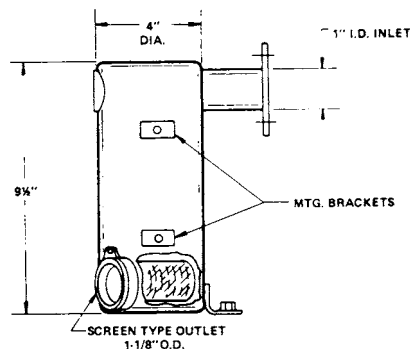
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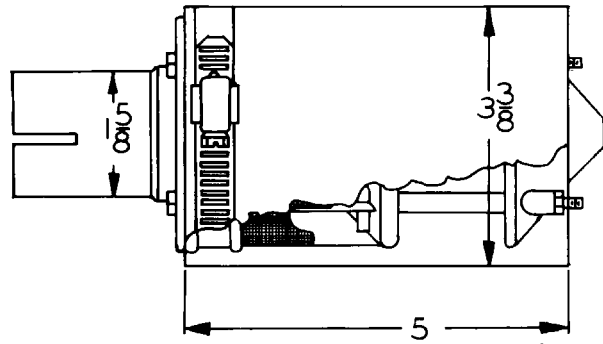
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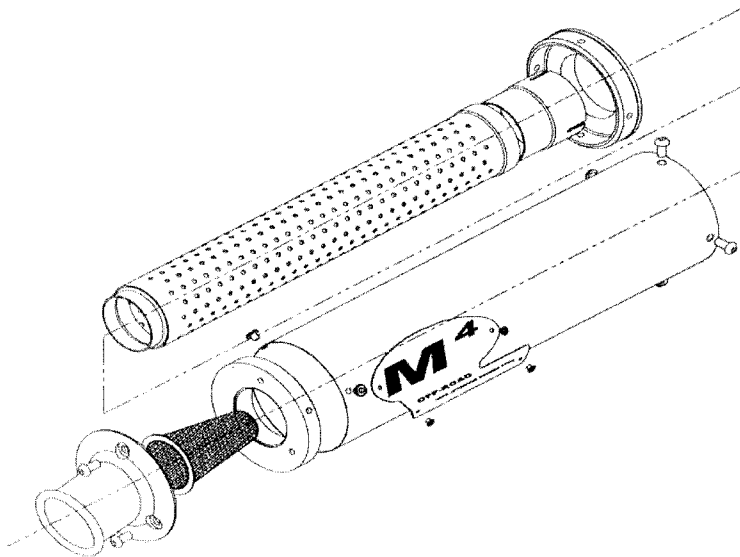
MURPHY•MUZZY

MURPHY

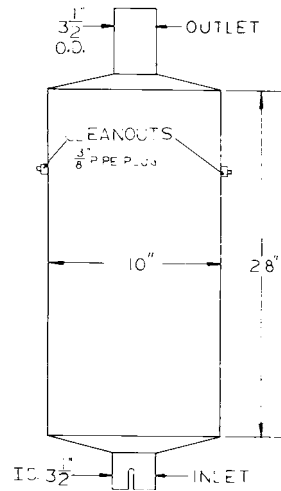


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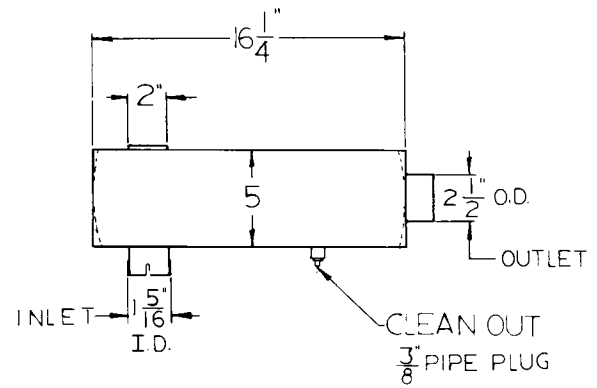
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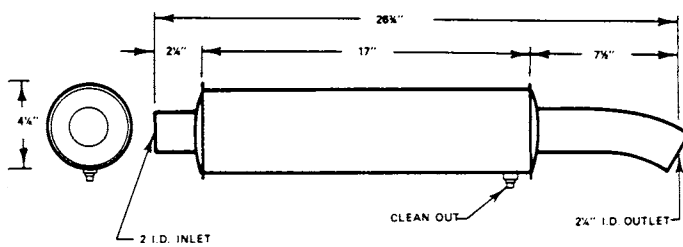
MUZZY'S PERFORMANCE PRODUCTS



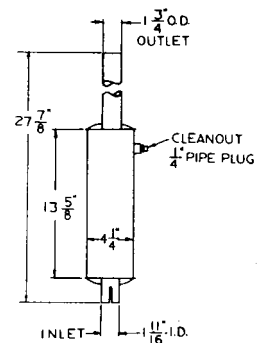
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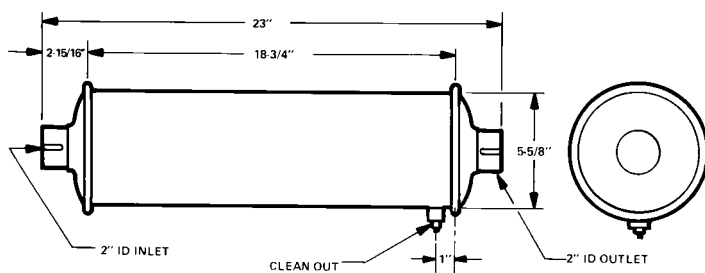
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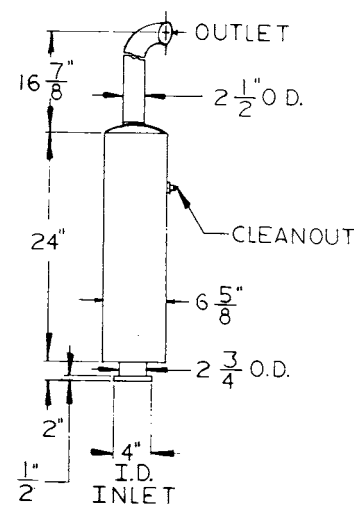
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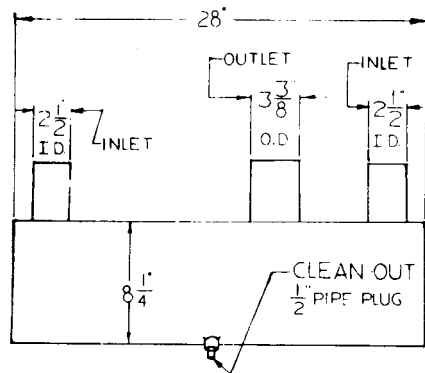
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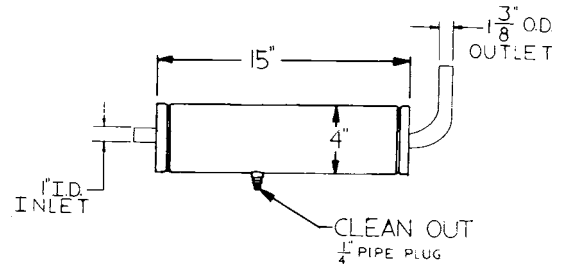
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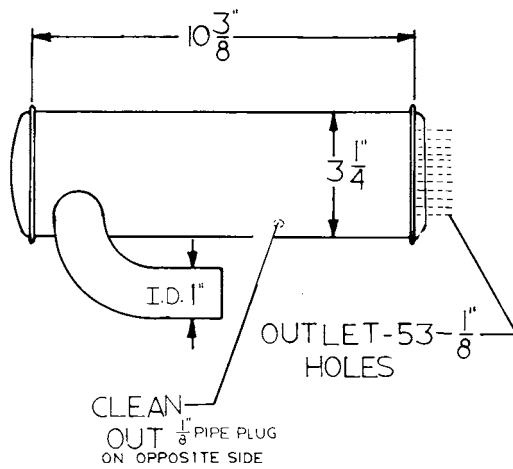
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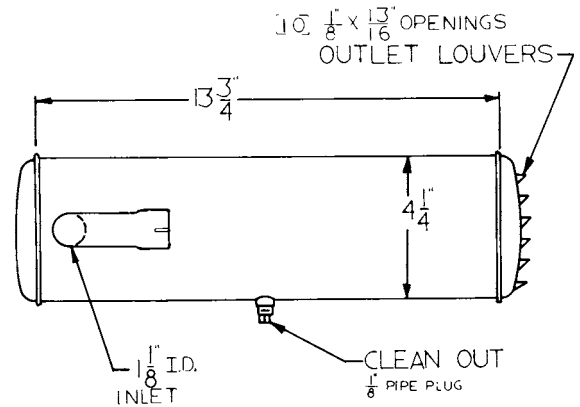
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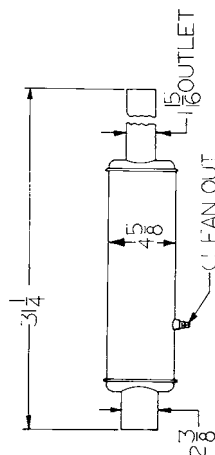
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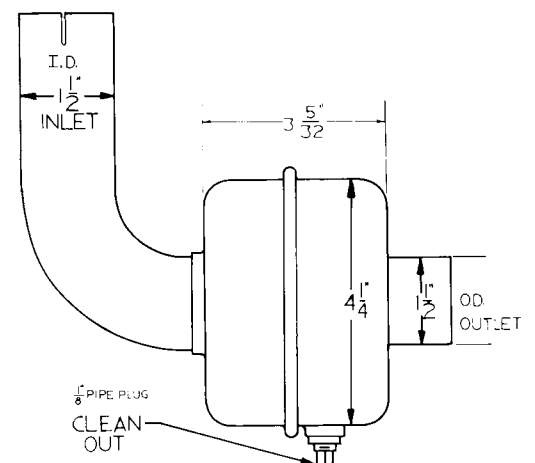
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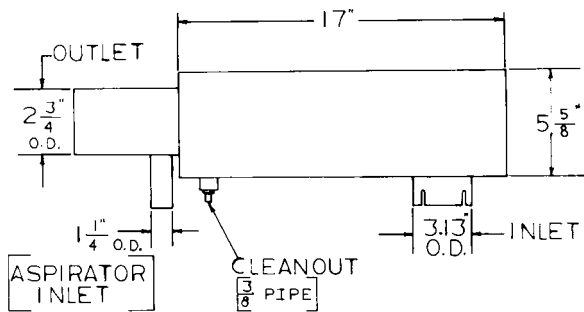
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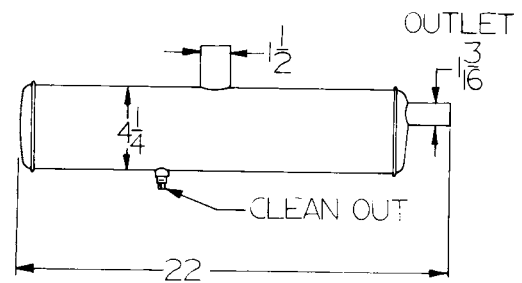
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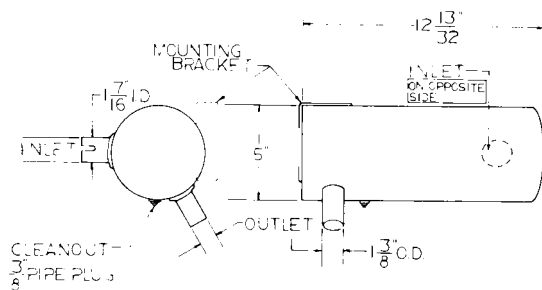
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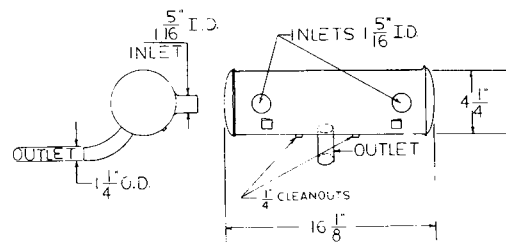
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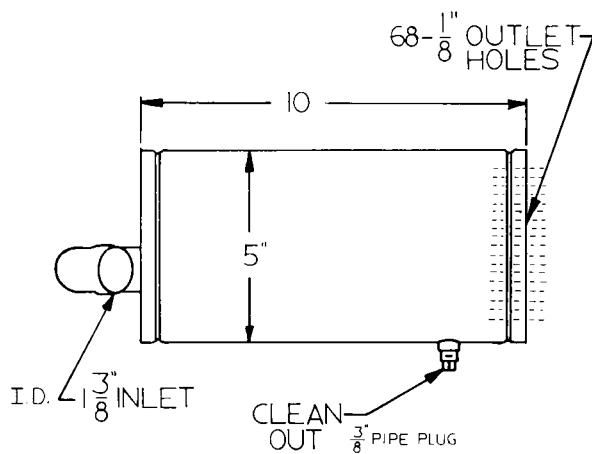
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ONAN 155-1520



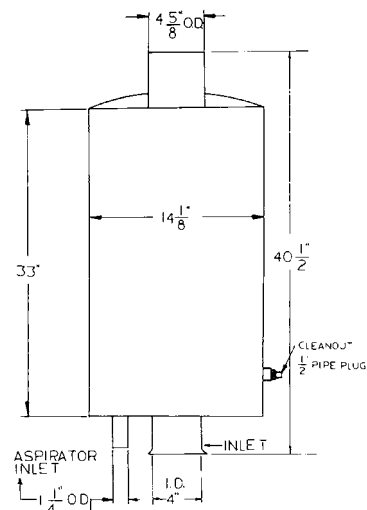
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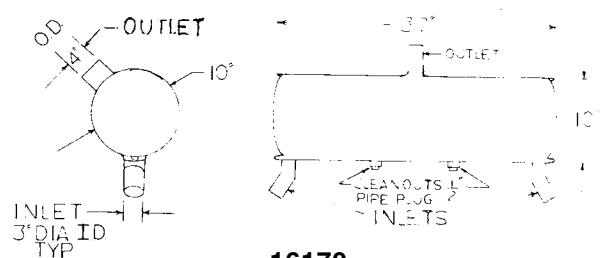
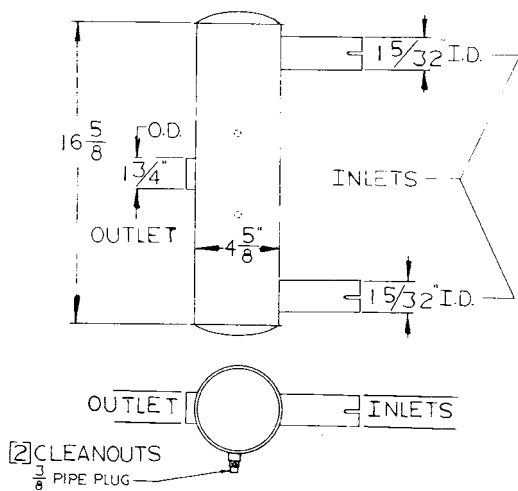
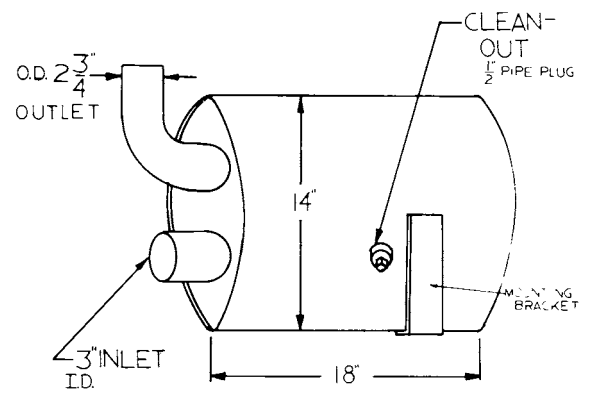
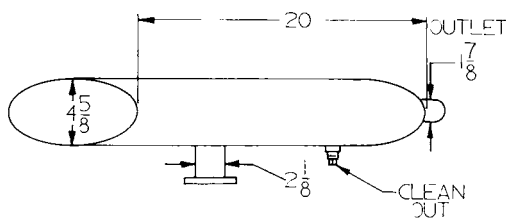
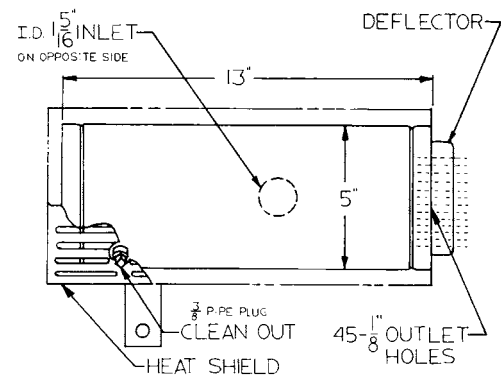
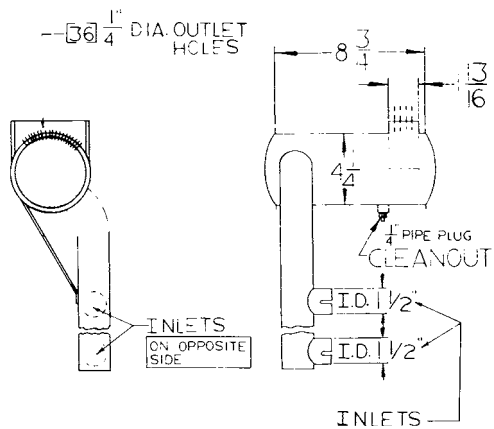
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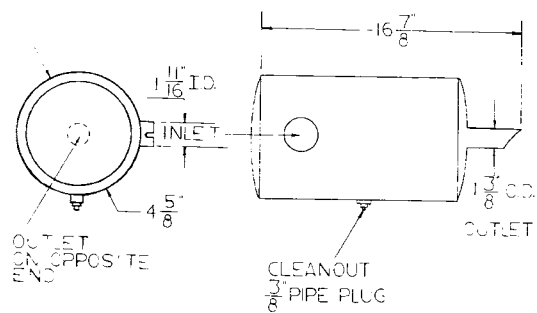
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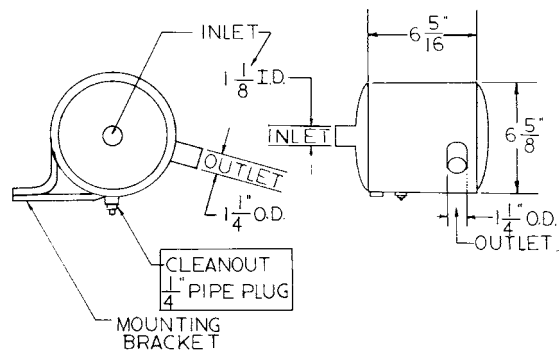


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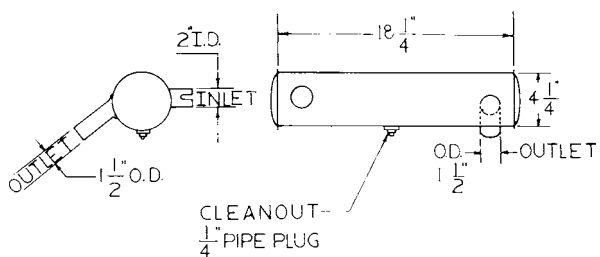
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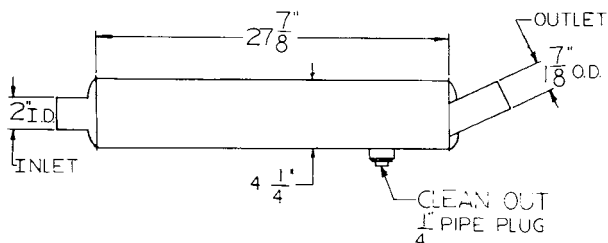
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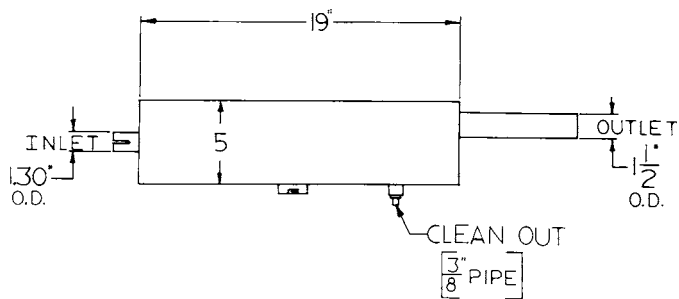
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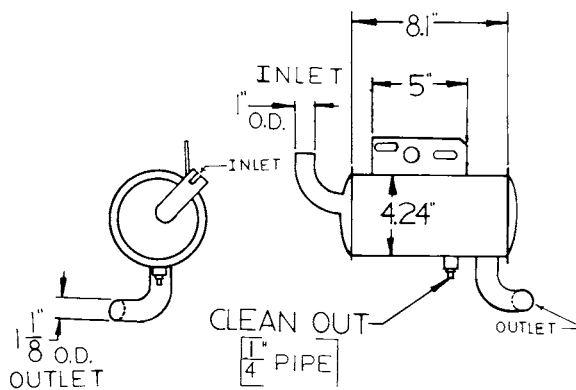
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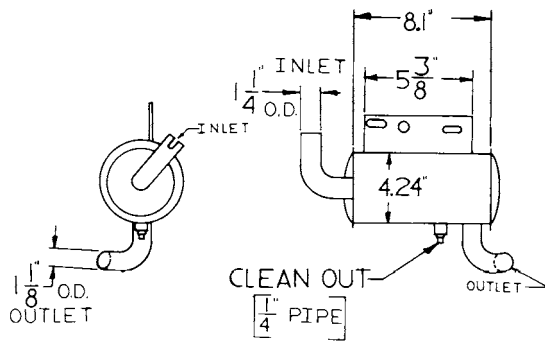
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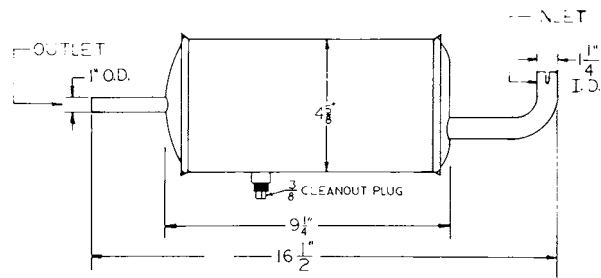
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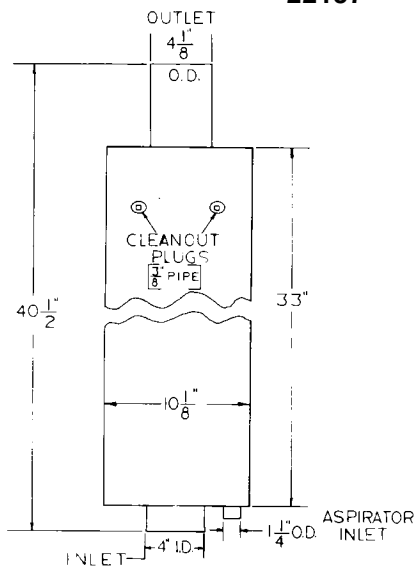
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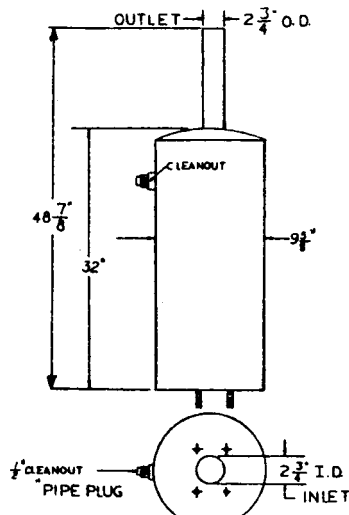
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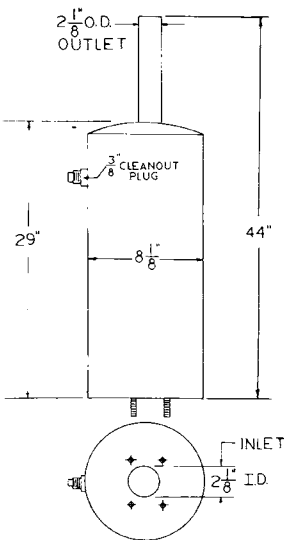
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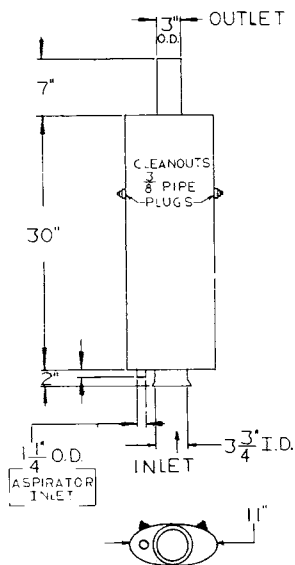
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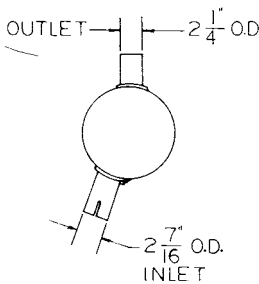
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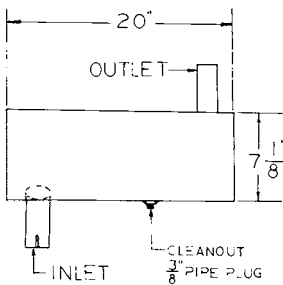
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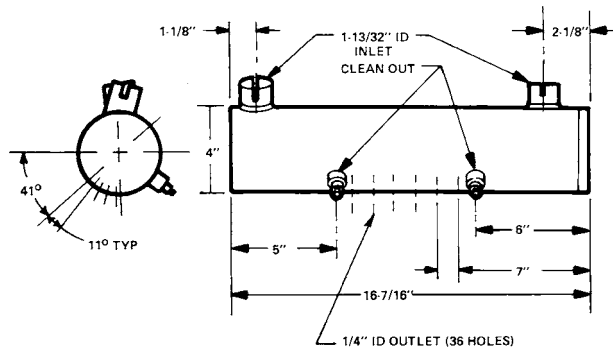


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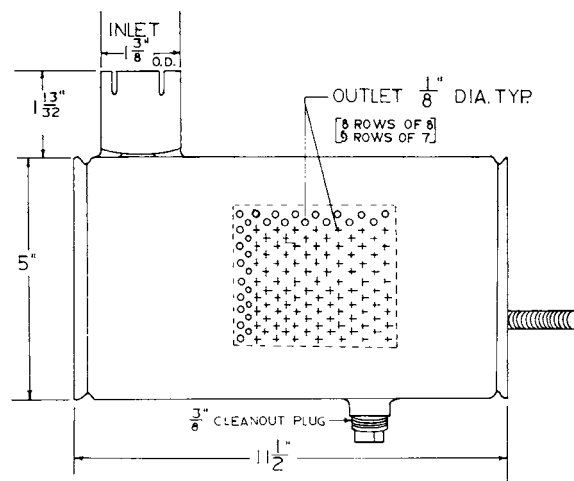


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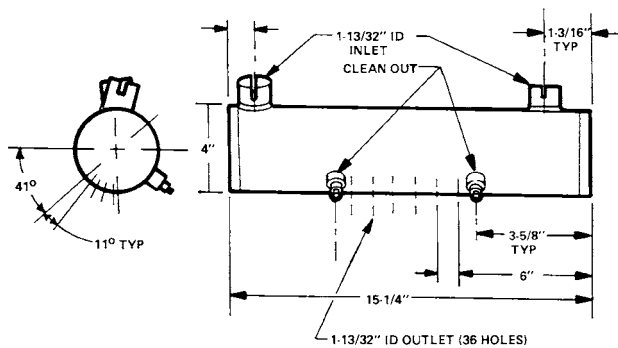
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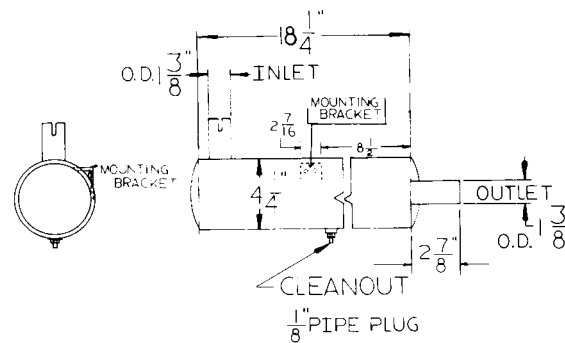
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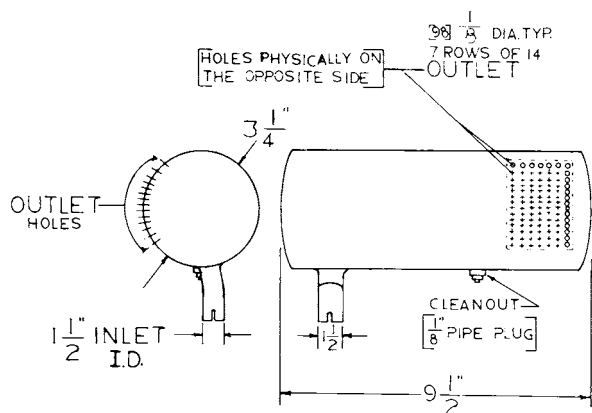
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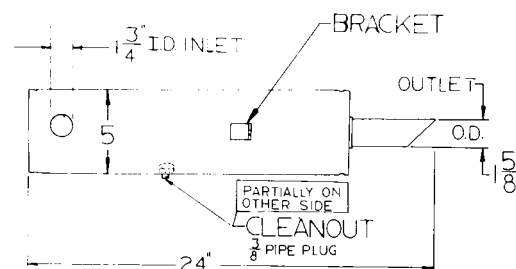
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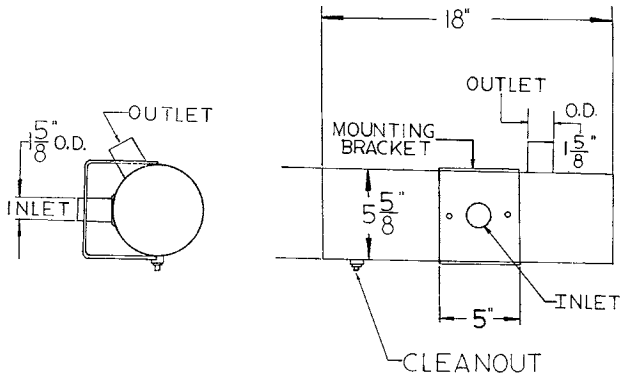
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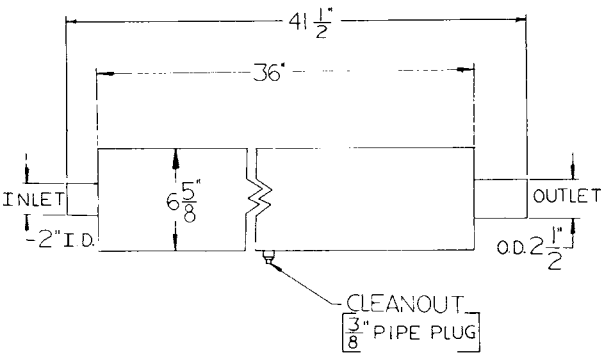
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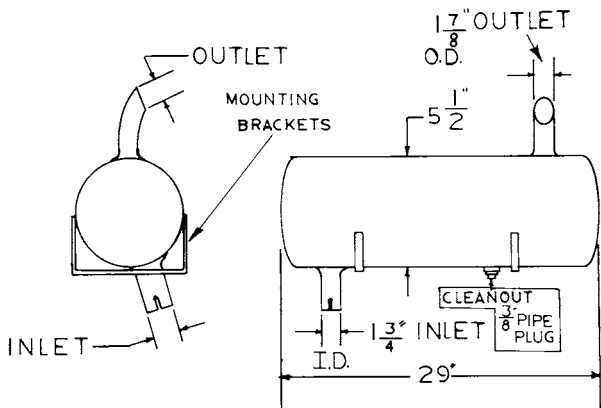
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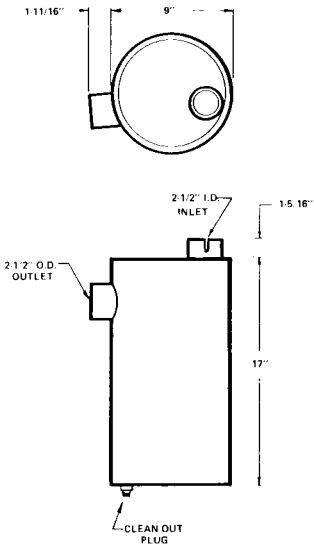
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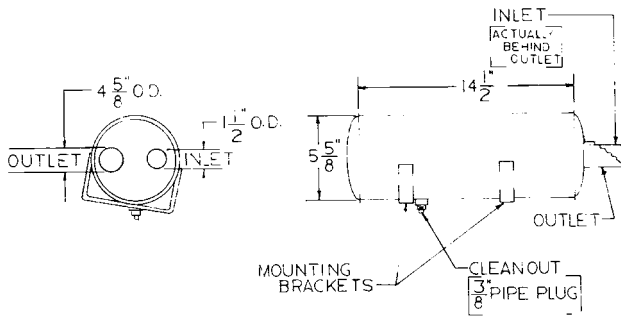
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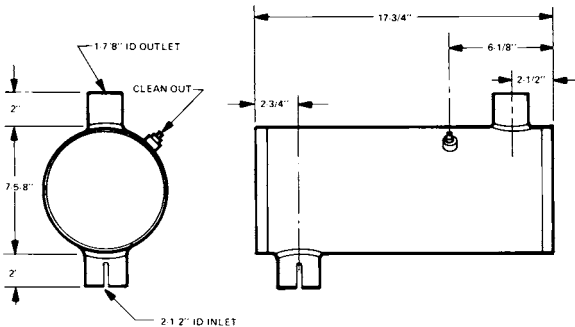
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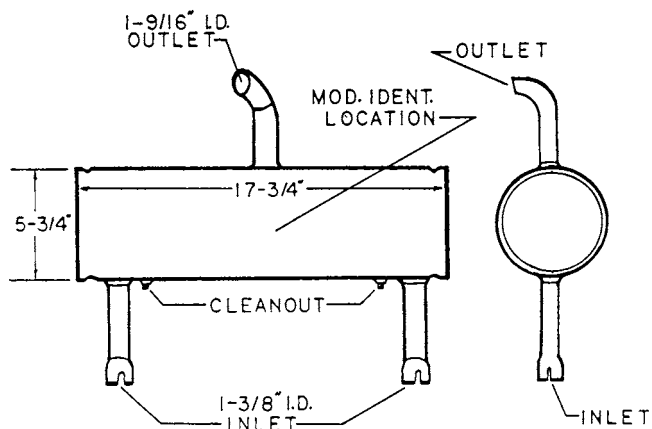
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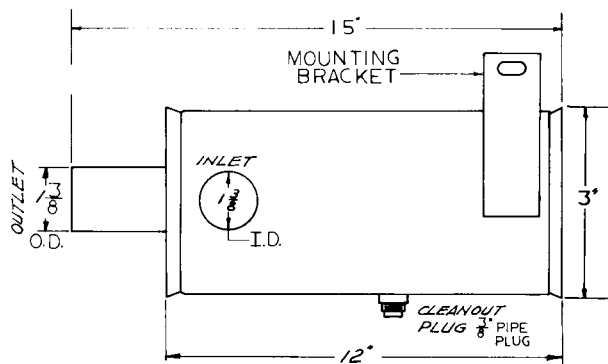
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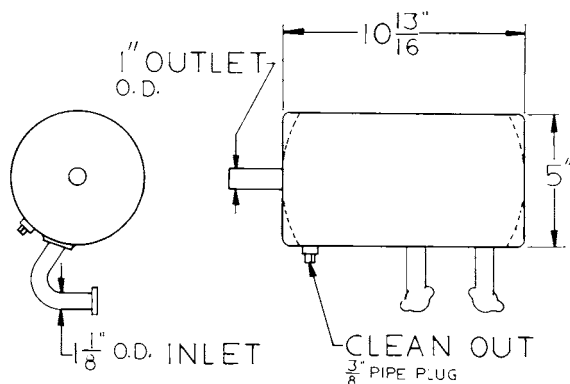
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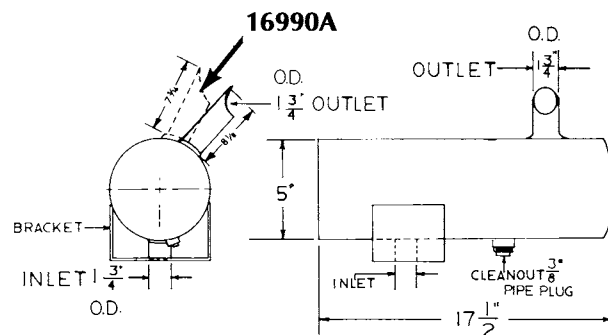
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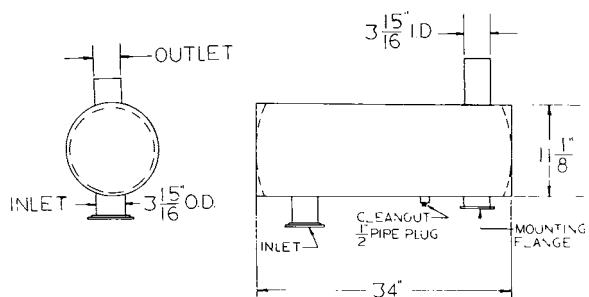


16989

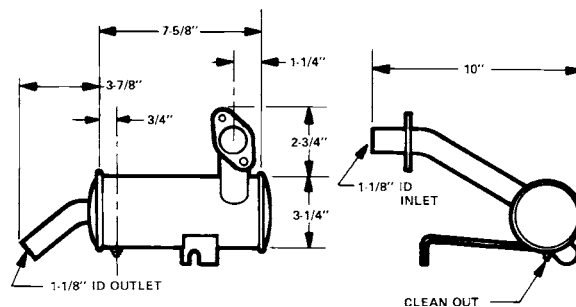


16990
16990A

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



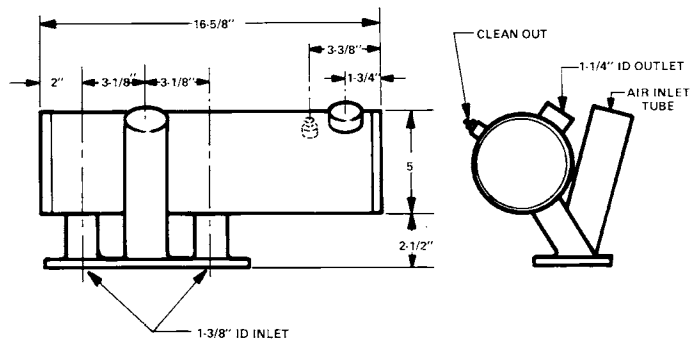
17005



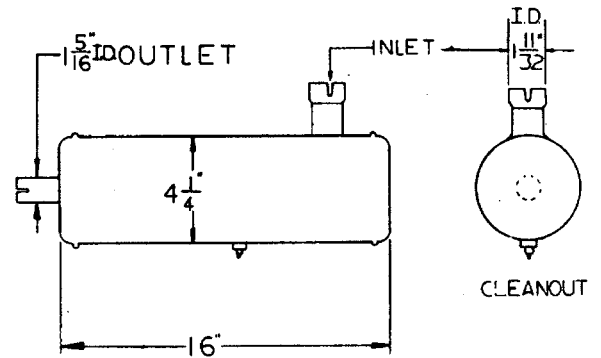
17043

NELSON

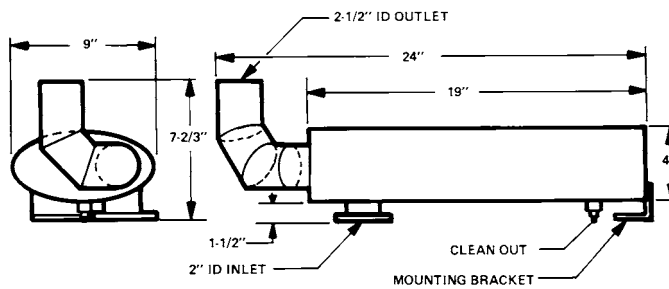
NELSON (continued)



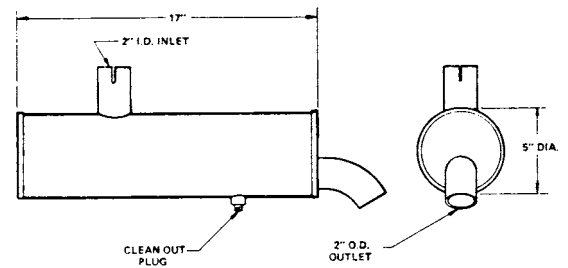
17088



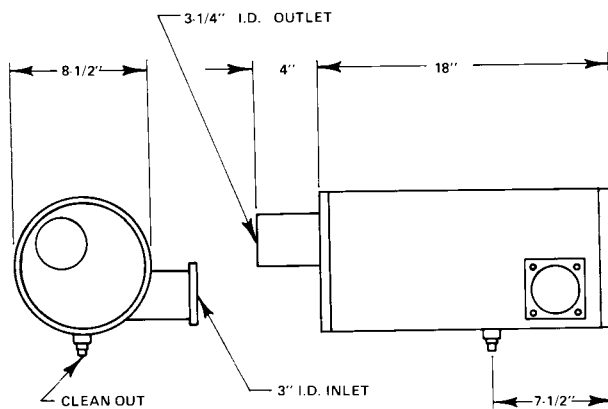
17112



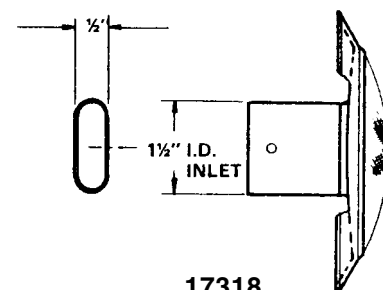
17123



17185



17254

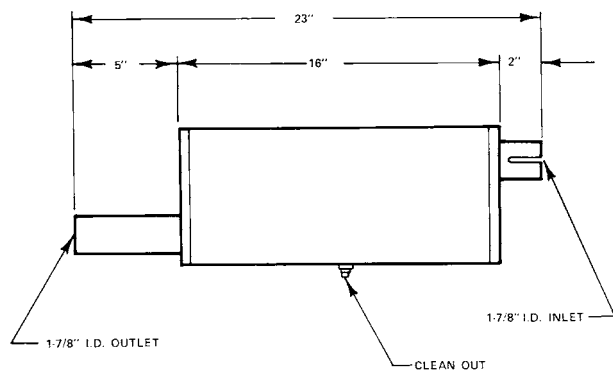


17318

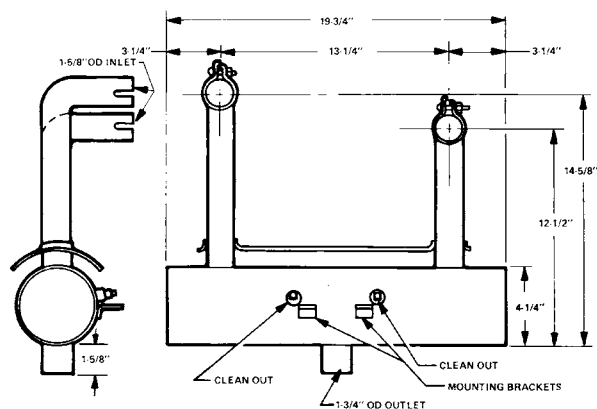
For Nelson 35347 screen assembly

NELSON

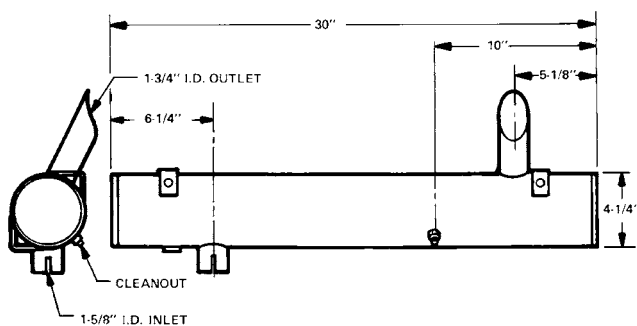
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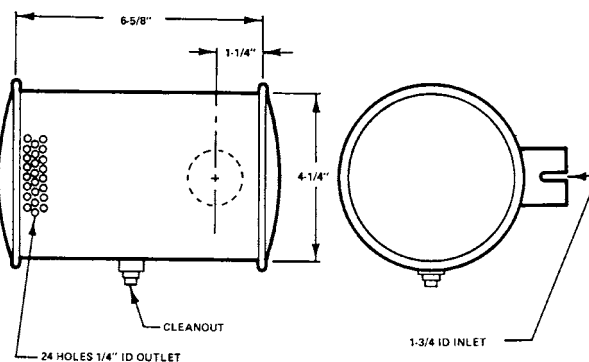
17334



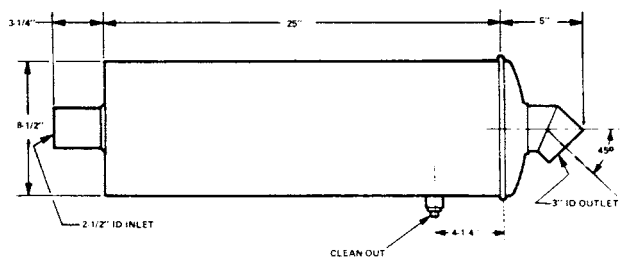
17371



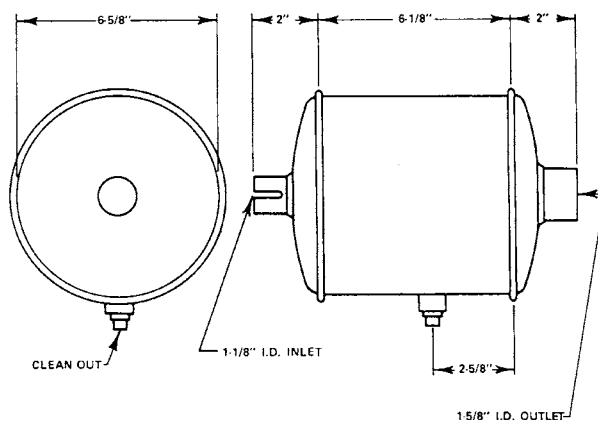
17410



17470



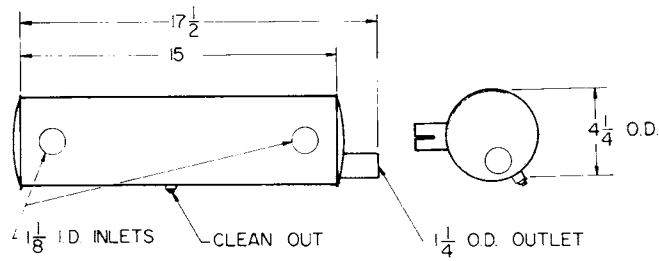
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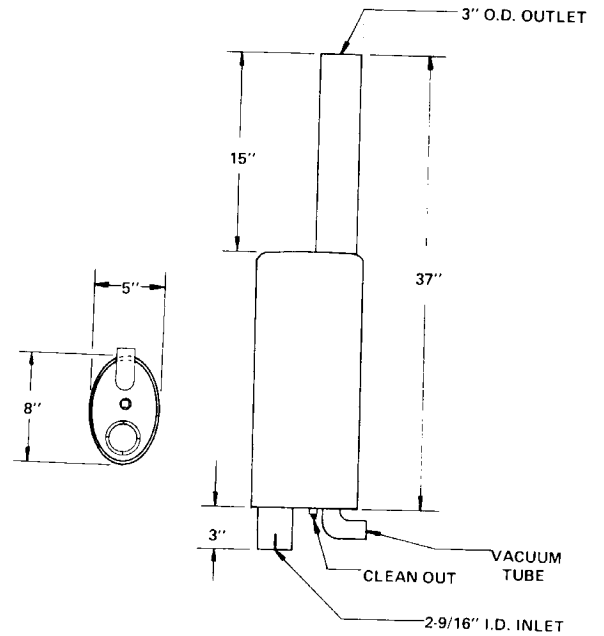
17533

NELSON

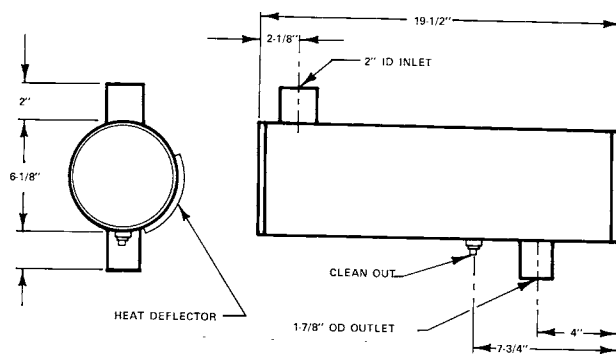
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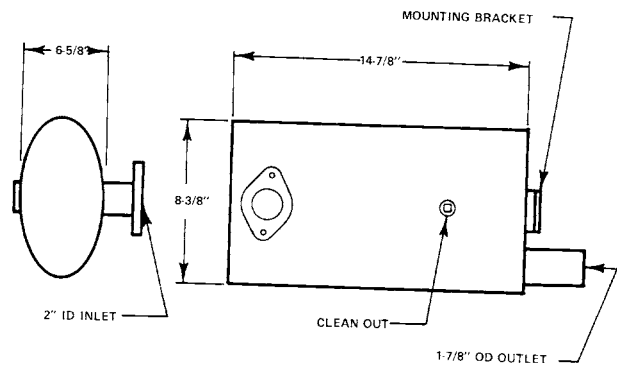
17622
17622C



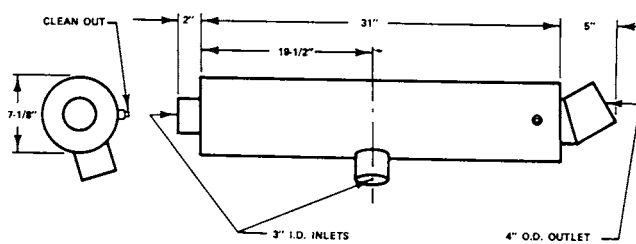
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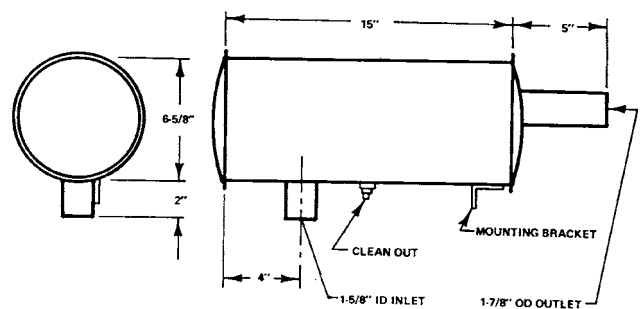
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17695



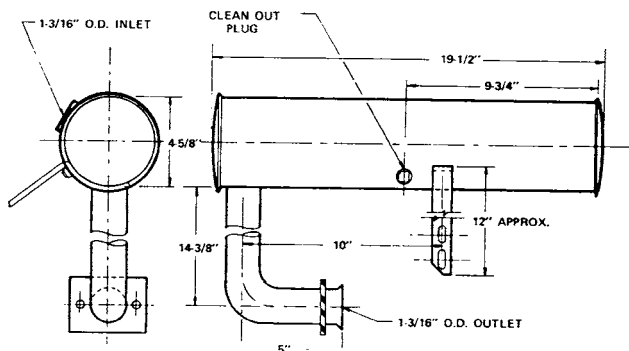
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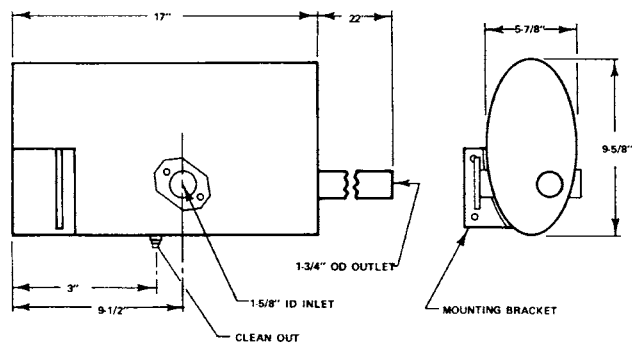
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NELSON

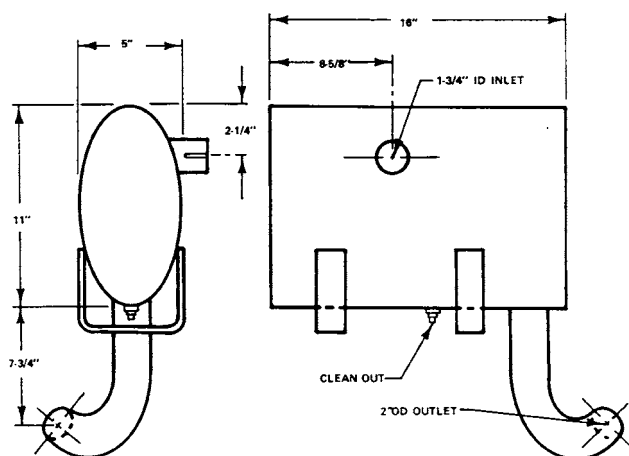
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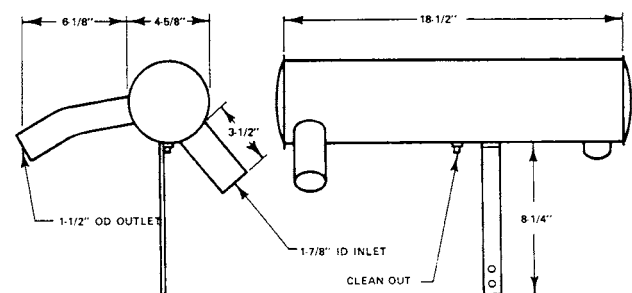
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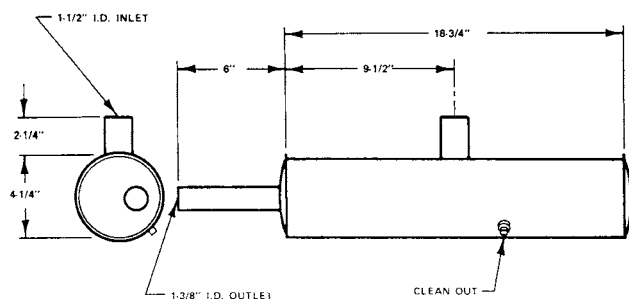
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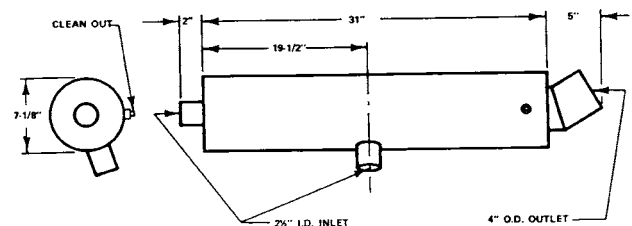
17750



17765



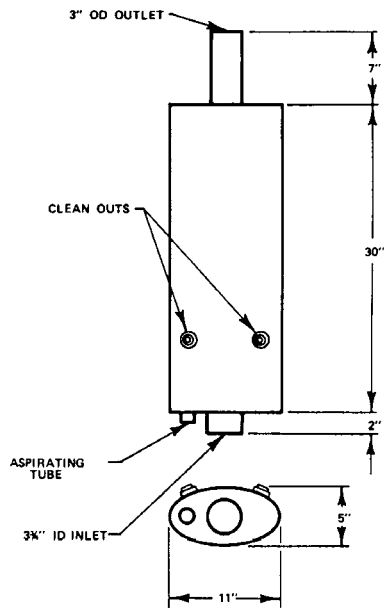
17898



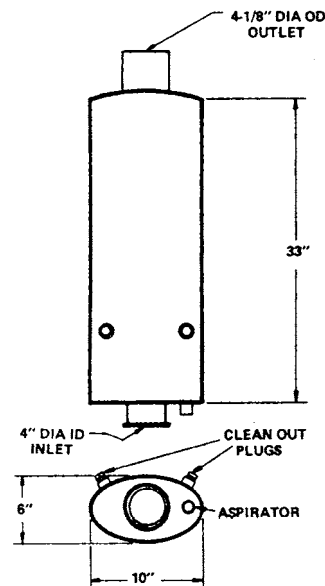
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NELSON

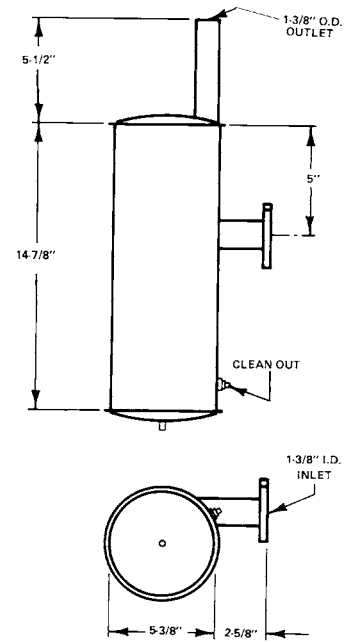
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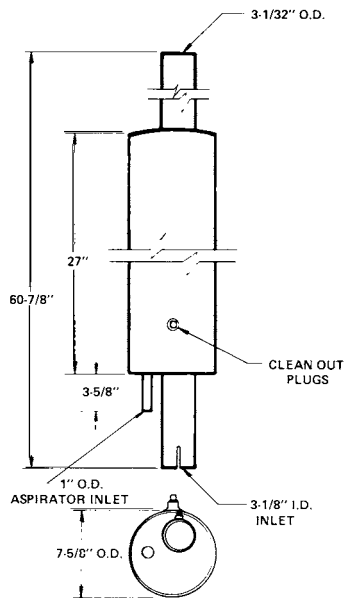
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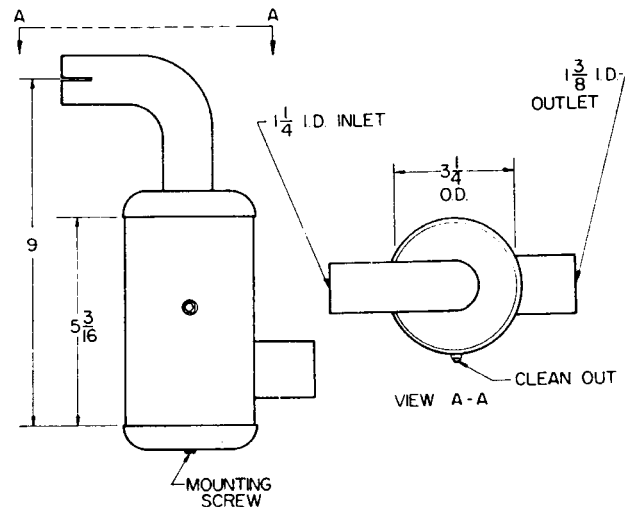
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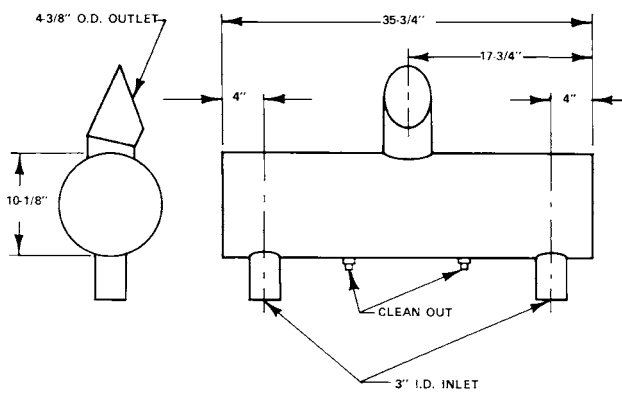
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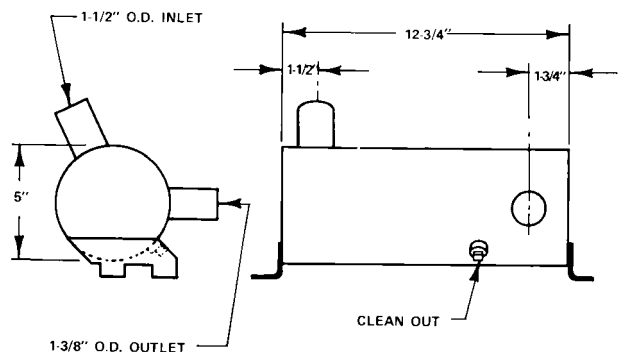
18018



18031



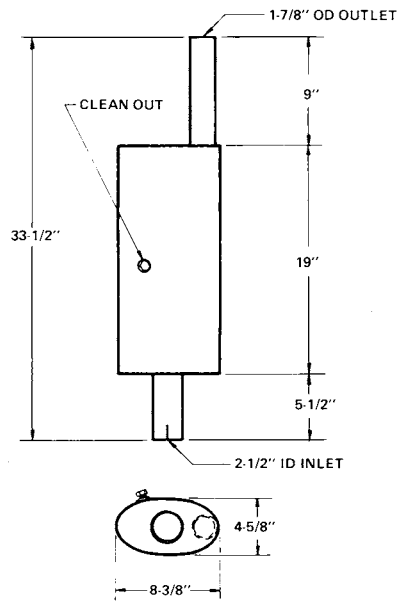
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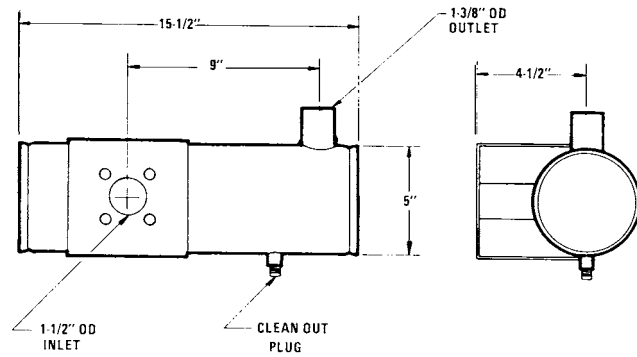
18289

NELSON

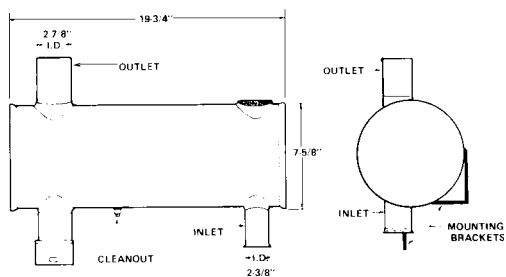
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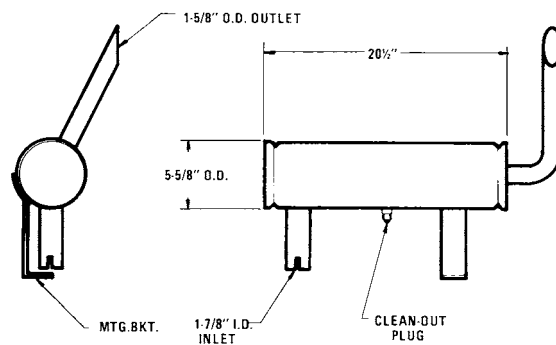
18433



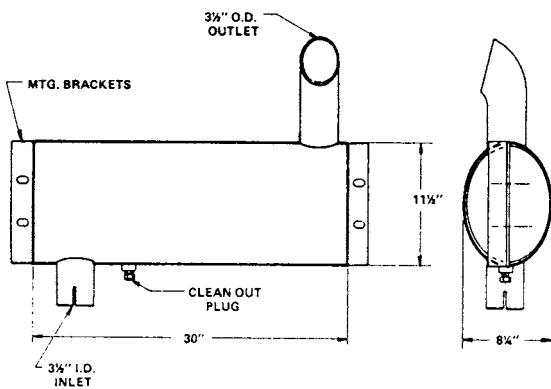
**18528
18528A**



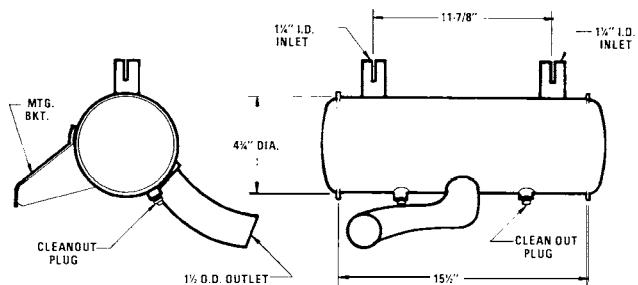
18613



18631



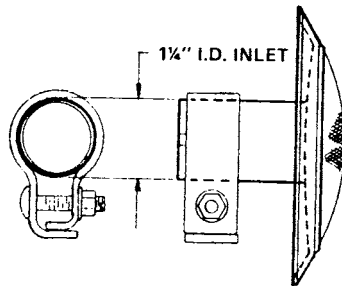
18642



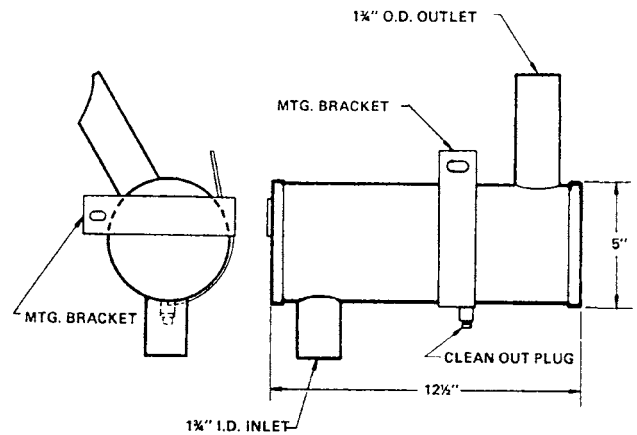
18731

NELSON

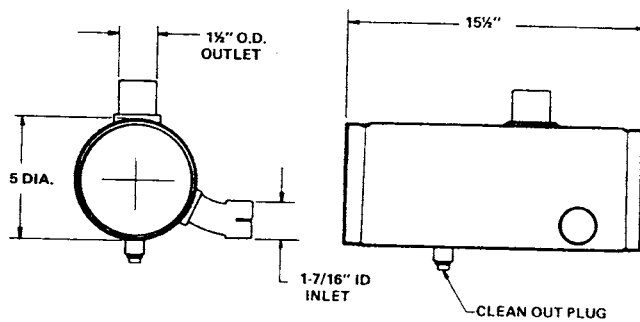
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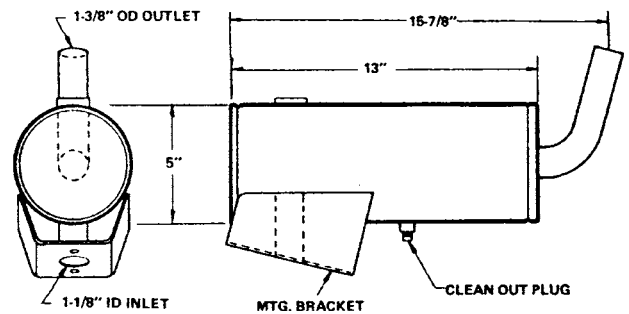
**ADAPTER
18753**



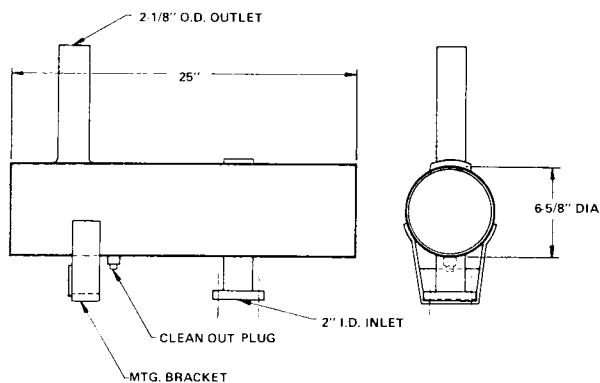
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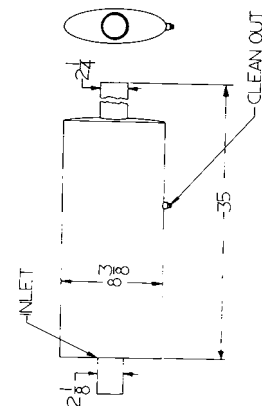
18875



18885



19005

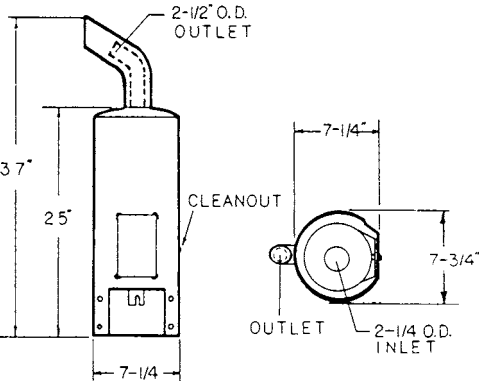


T-14222

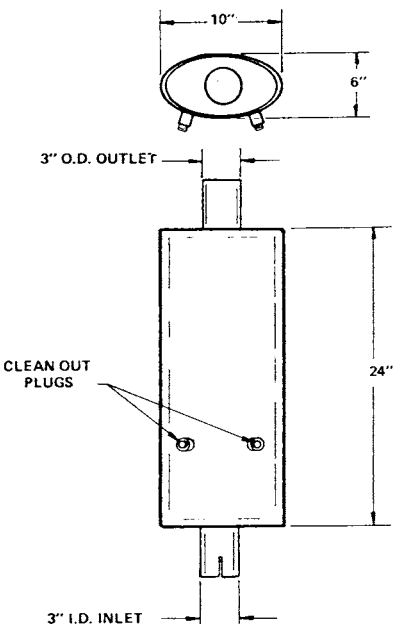
Nelson 19051 approved as T-14222
Nelson 19052 approved as T-14222
Nelson 19053 approved as T-14222
Nelson 19062 approved as T-14222

NELSON

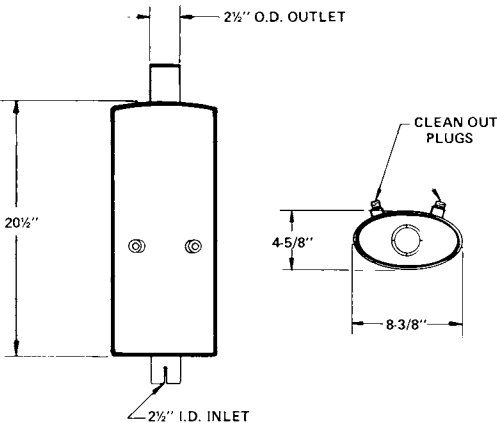
NELSON (continued)



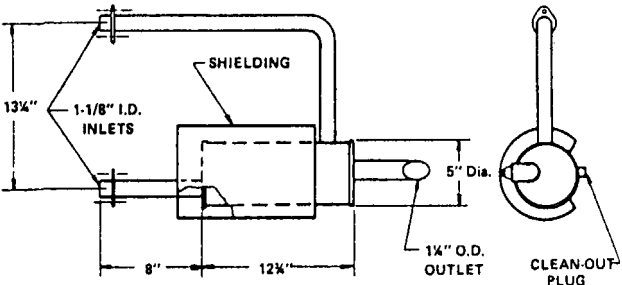
19068



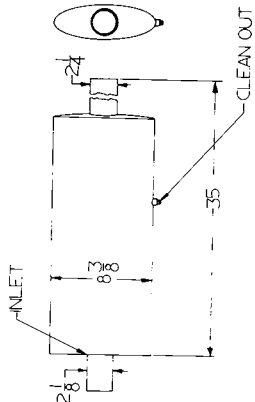
19125



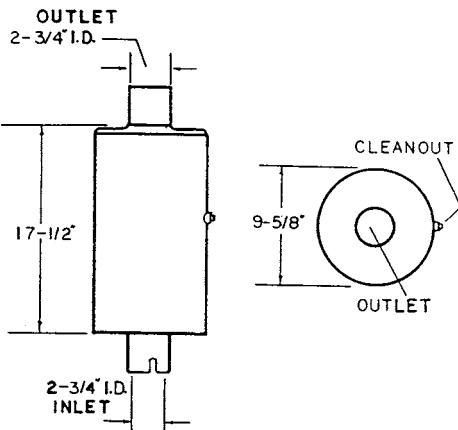
19126



19139



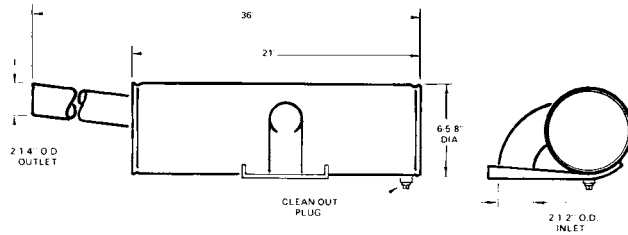
19269
T-14222



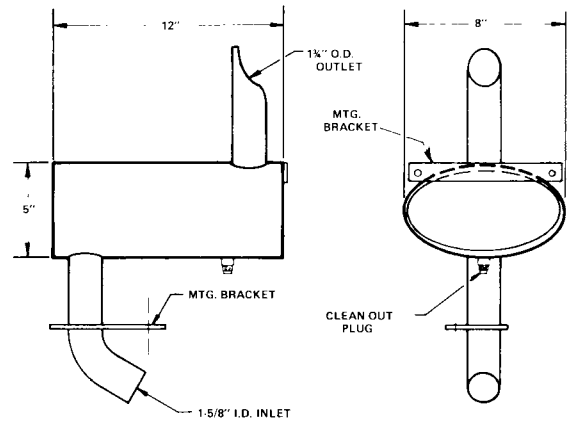
19273
T-14219

NELSON

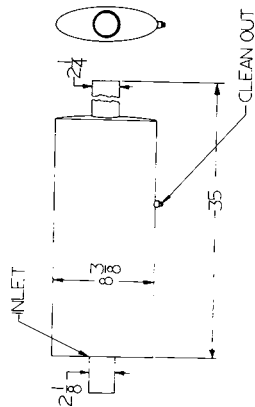
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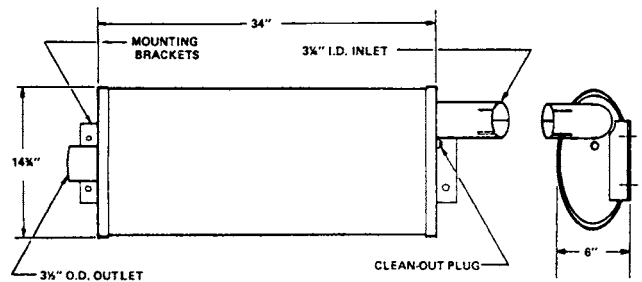
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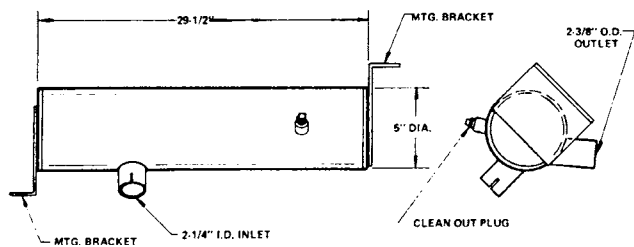
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23094



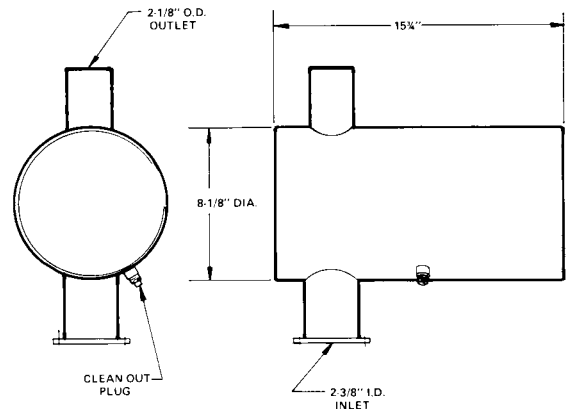
19383
T-14222



19453



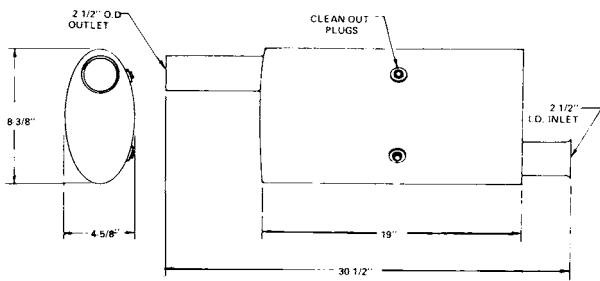
19578



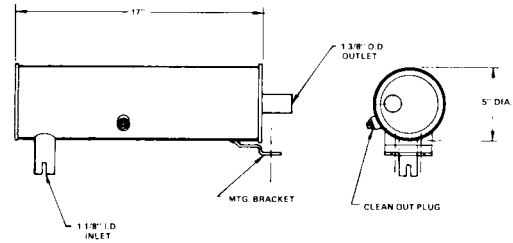
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NELSON

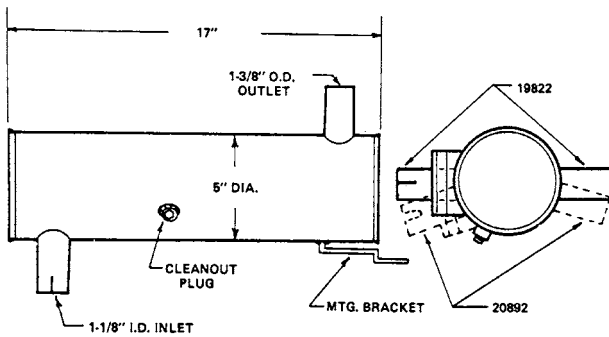
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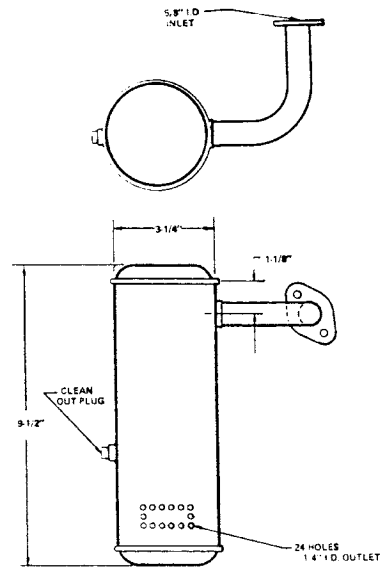
19773



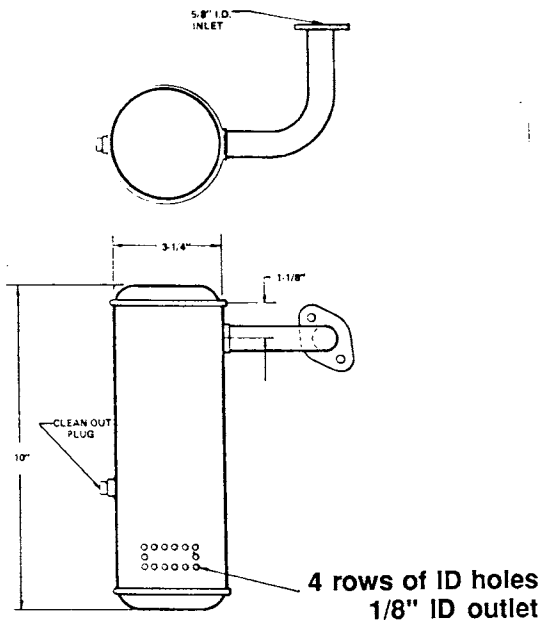
**19820
20665
22904**



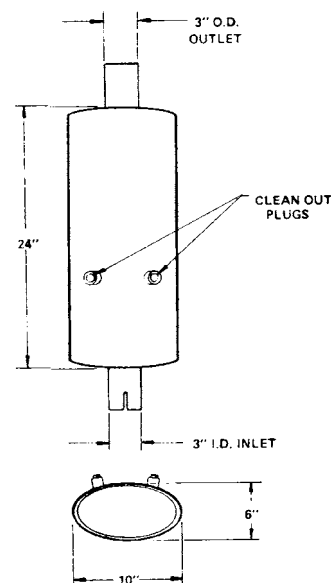
**19822
20892A
20892B
20666**



19825



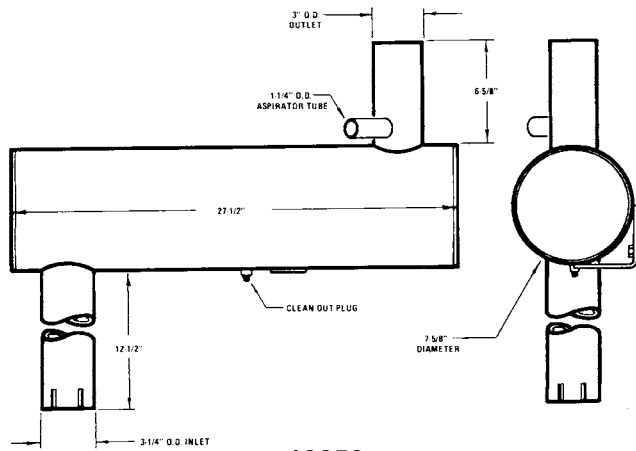
19826



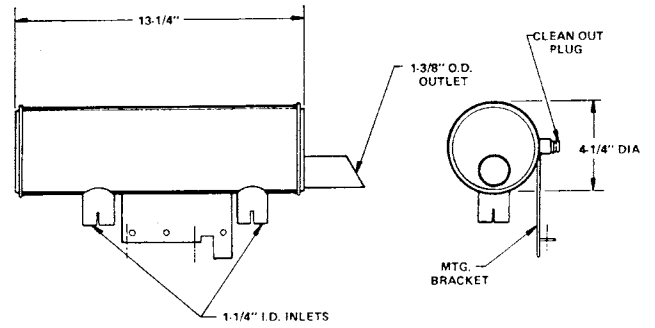
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NELSON

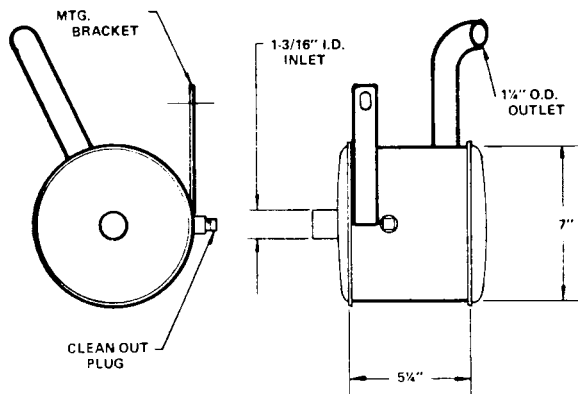
NELSON (continued)



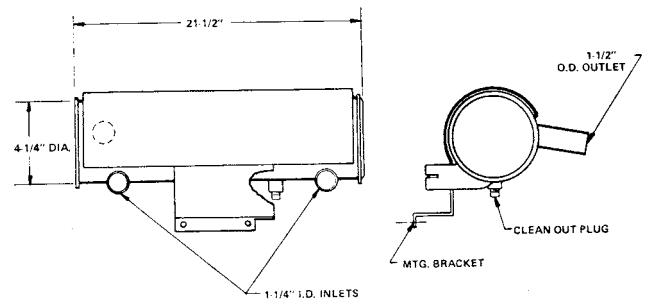
19853



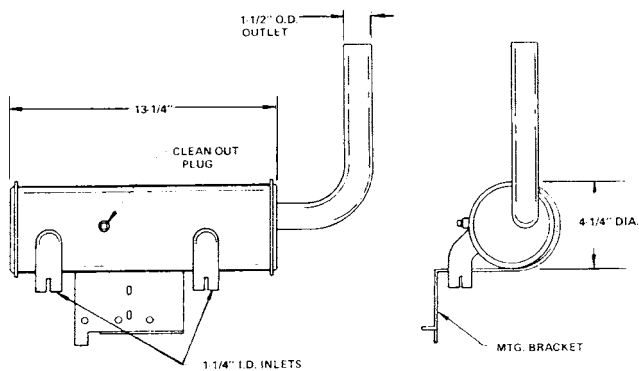
19941



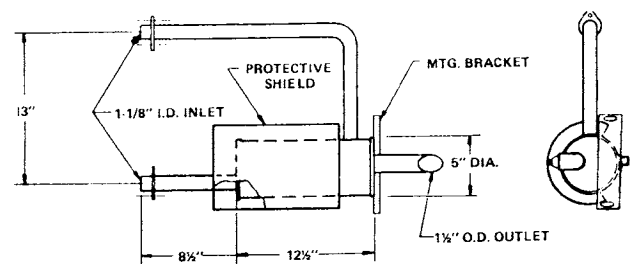
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19975



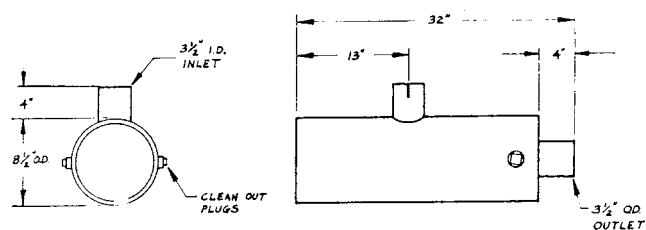
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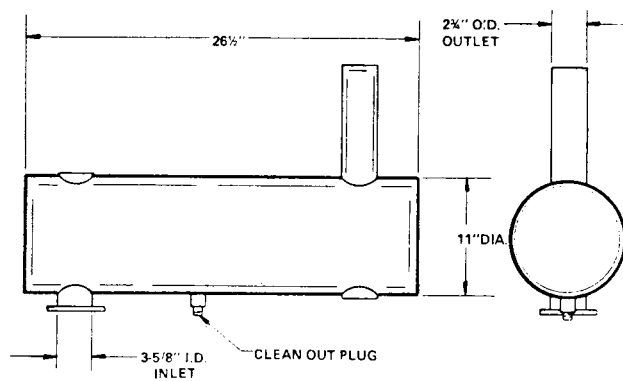
19994

NELSON

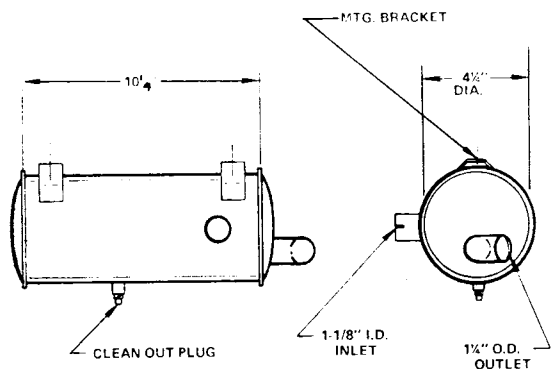
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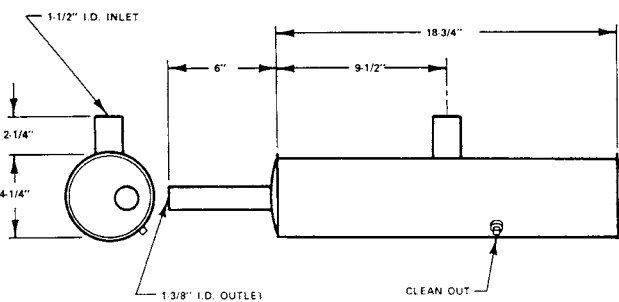
20069



20072

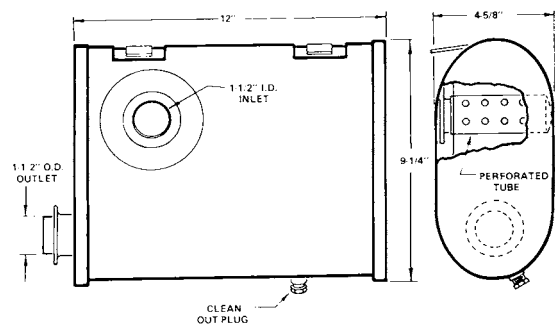


20147

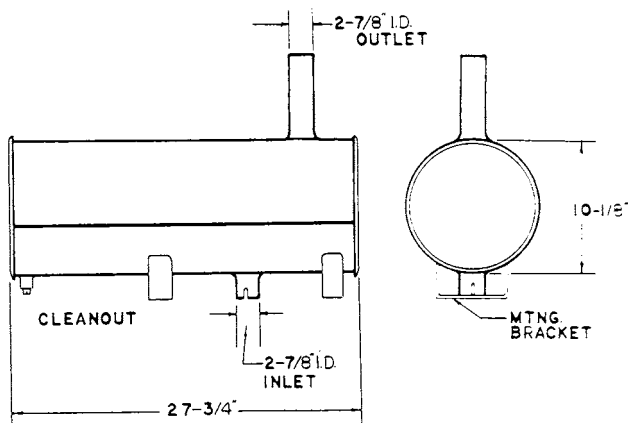


17898

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



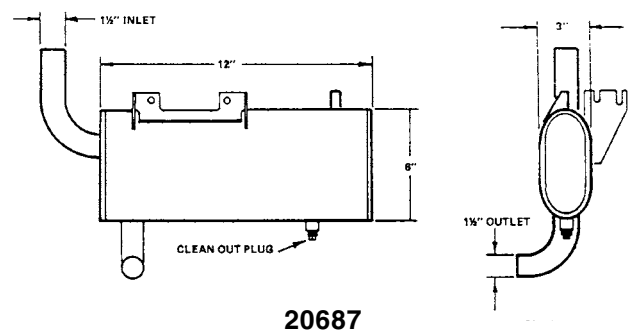
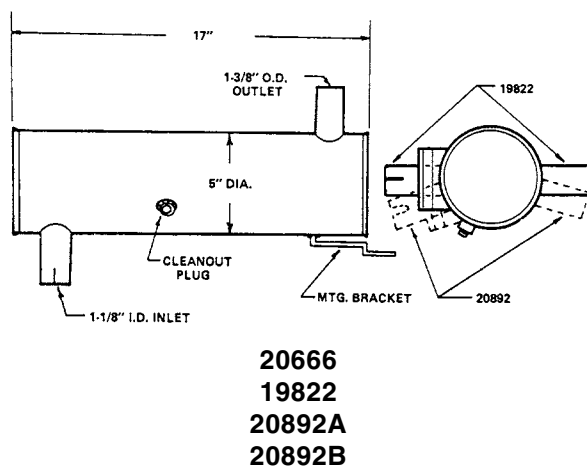
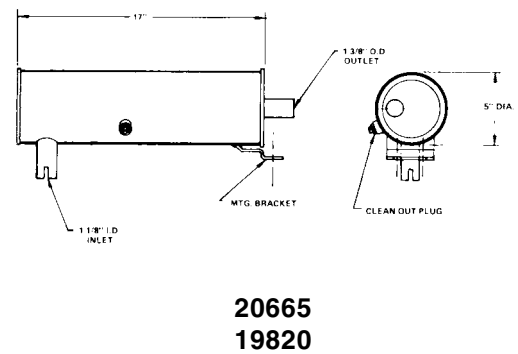
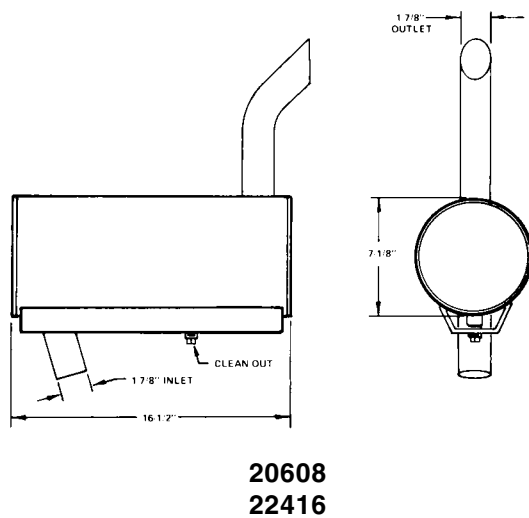
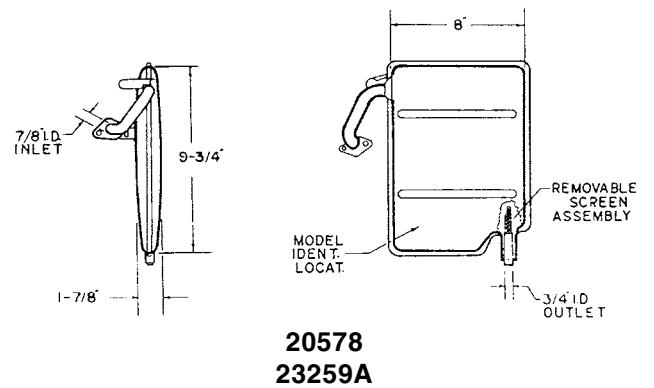
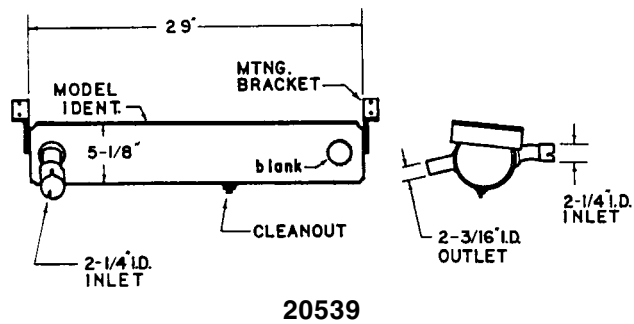
20513



20519

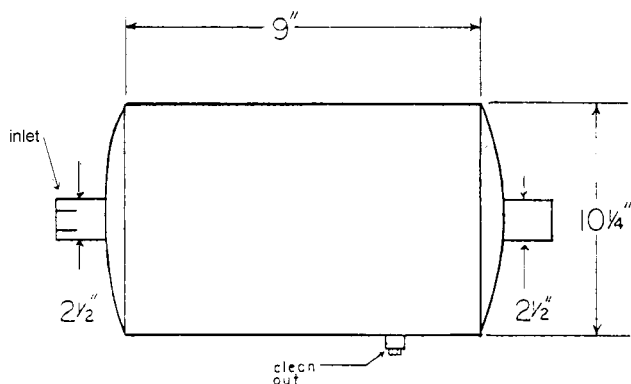
NELSON

NELSON (continued)

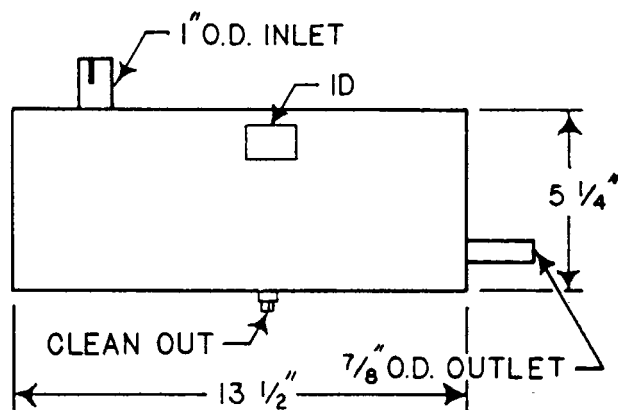


NELSON

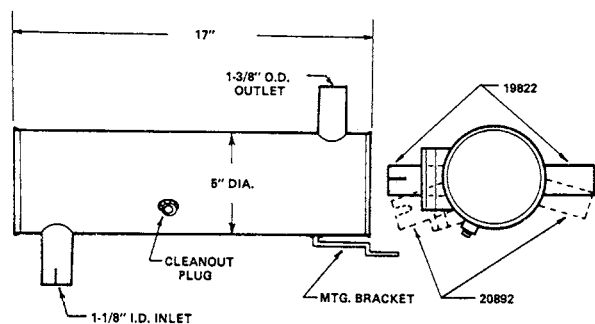
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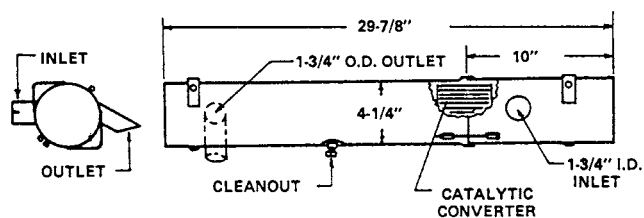
20710



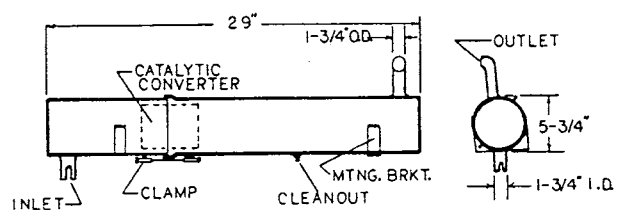
20788



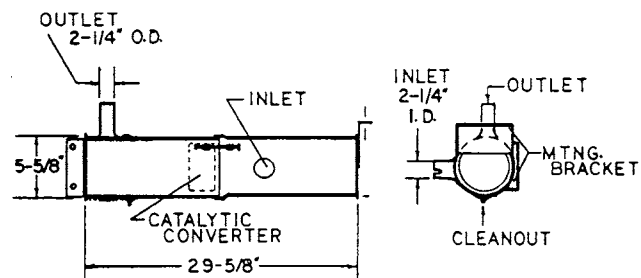
20892A
20892B
20666
19822



20952



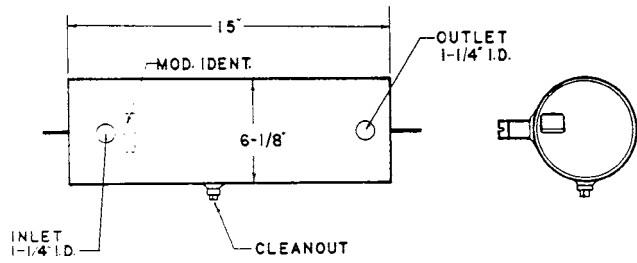
20953



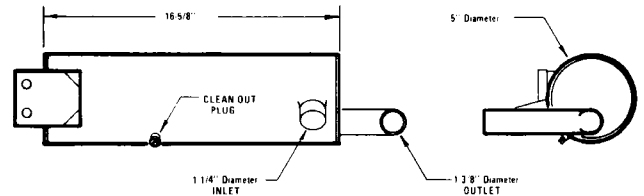
20954

NELSON

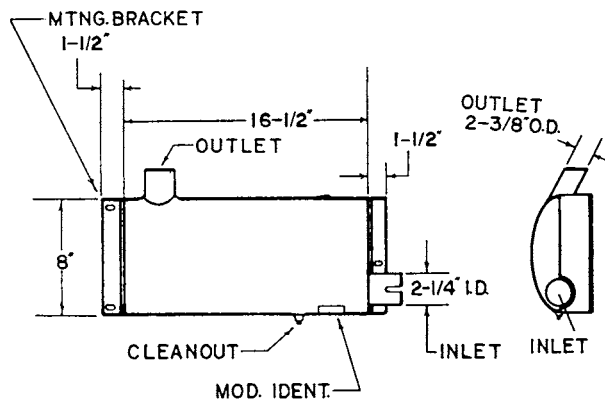
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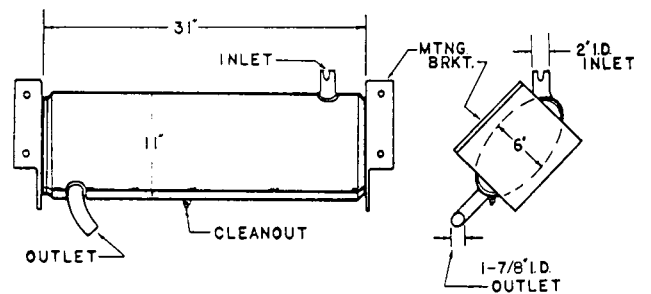
20965



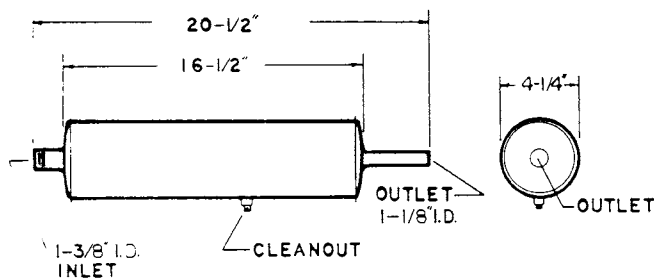
20990
20990B
23718



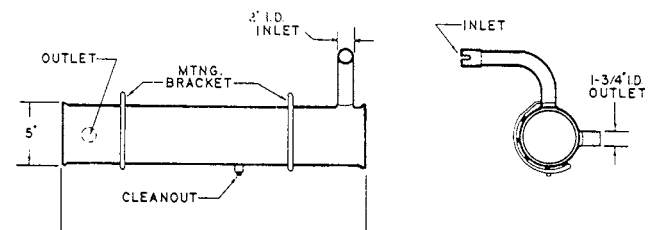
21140



21161



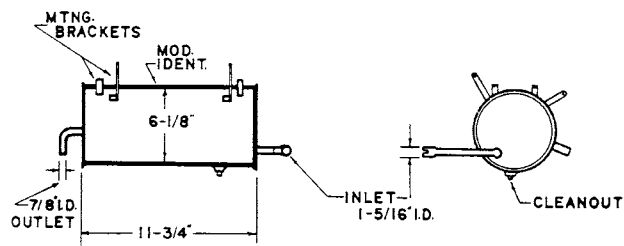
21279



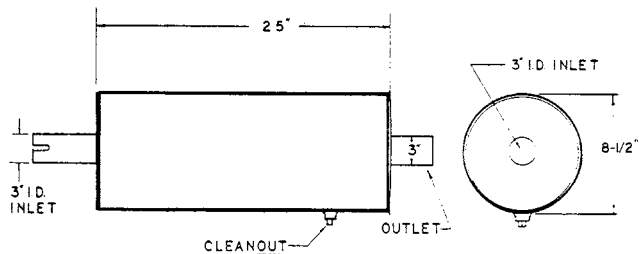
21341
23162

NELSON

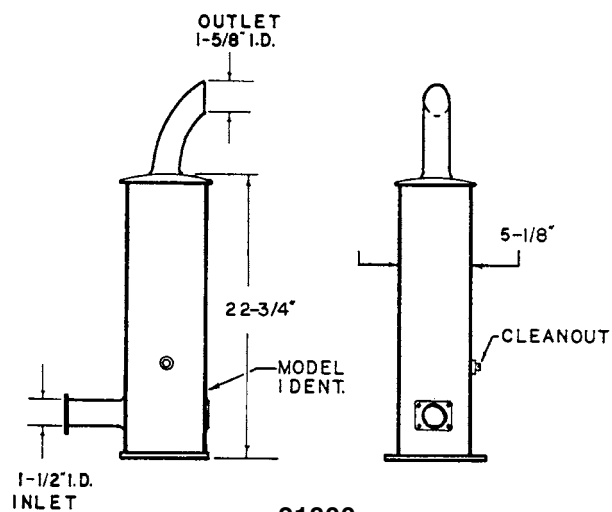
NELSON (continued)



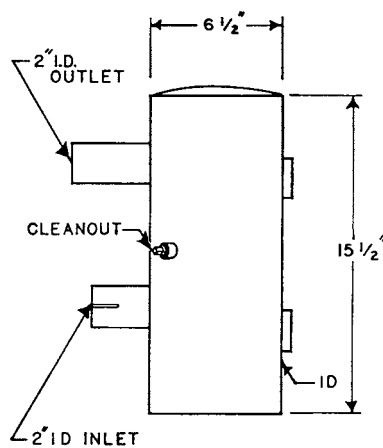
21721



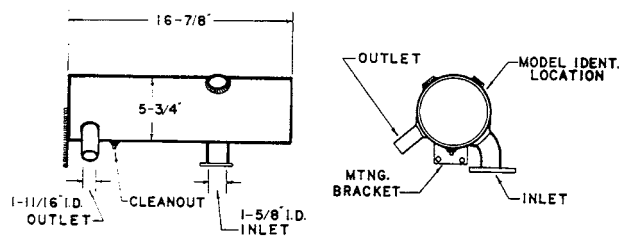
21758



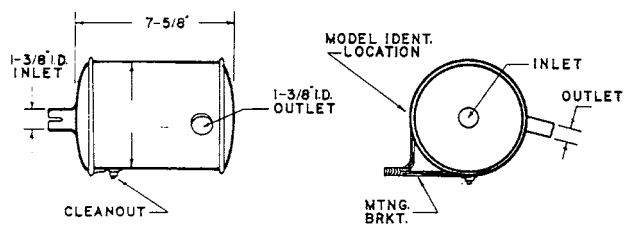
21800
21800A
21800C



21863



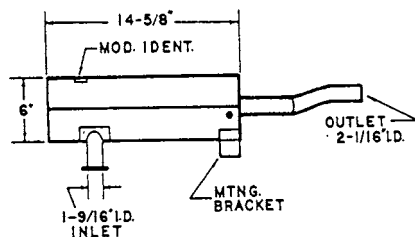
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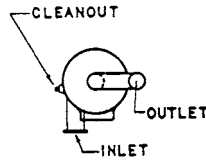
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NELSON

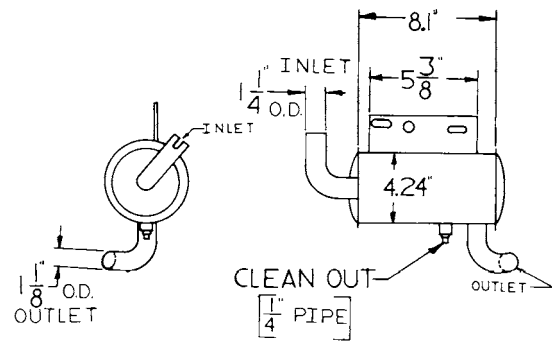
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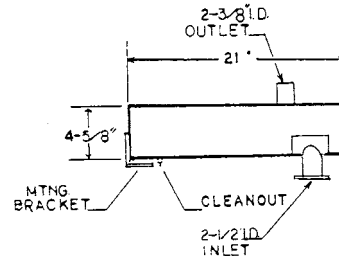
**21950
21950B**



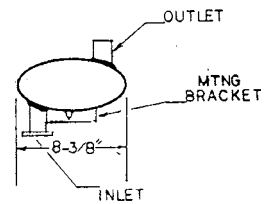
**22157
16362**



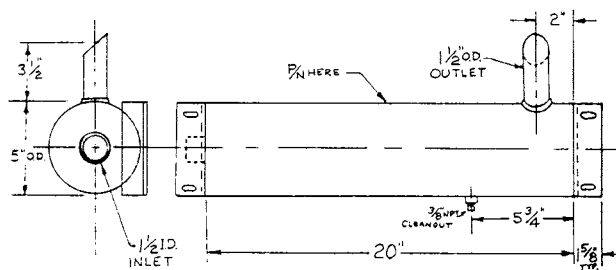
22171B



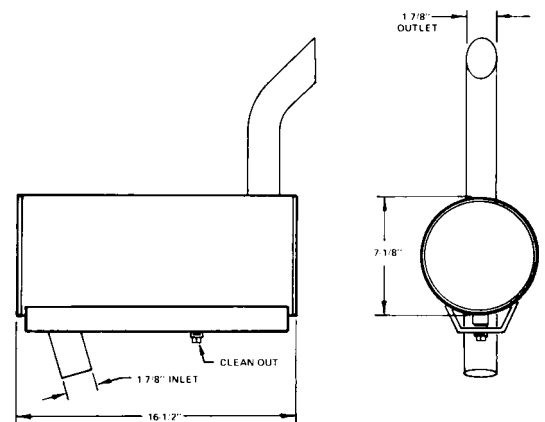
22255



22389

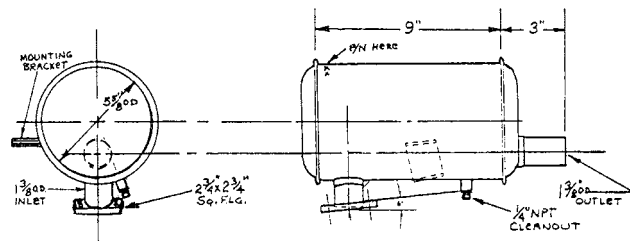


**22416
20608**

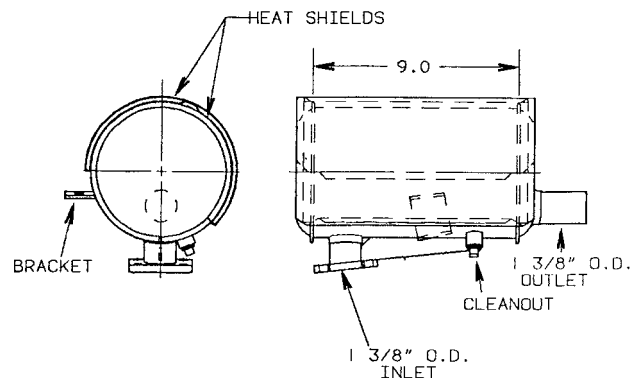


NELSON

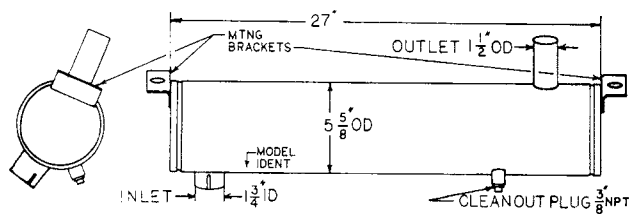
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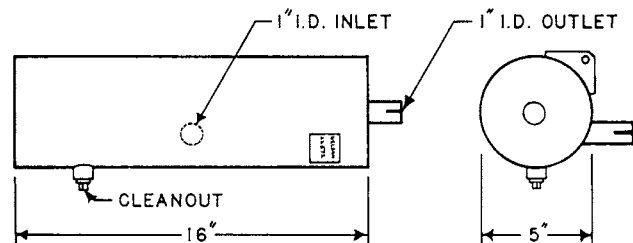
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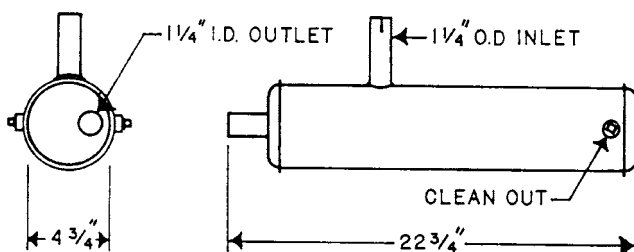
22506A



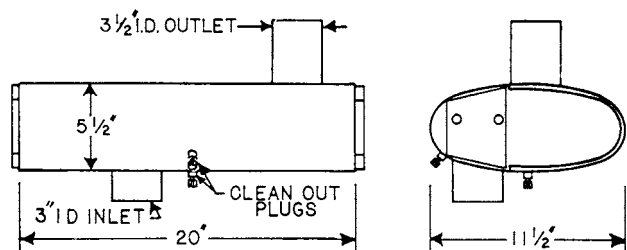
22627
24304



22671
22672



22755

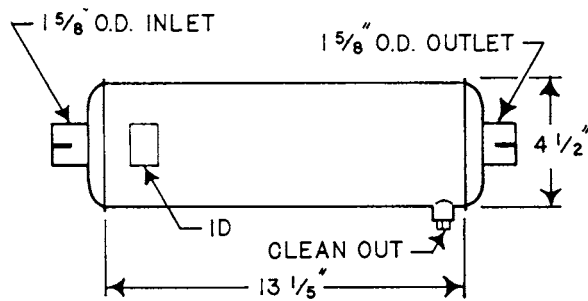


22807A

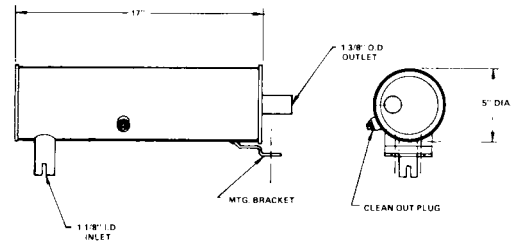
Nelson 22737—see Kohler 278224
Nelson 22755—see Kohler 279724
Nelson 22777—see Kohler 278223
Nelson 22801A—see modified Nelson
22171B

NELSON

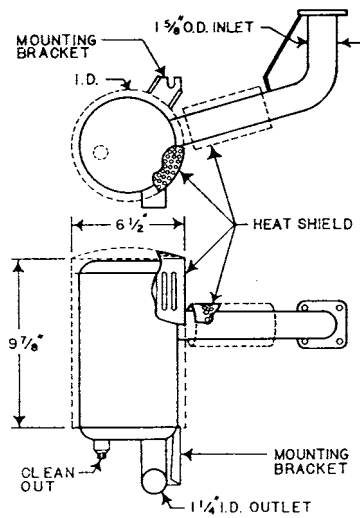
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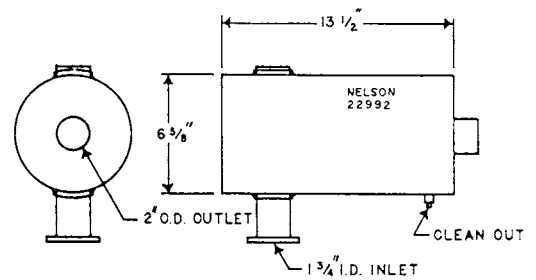
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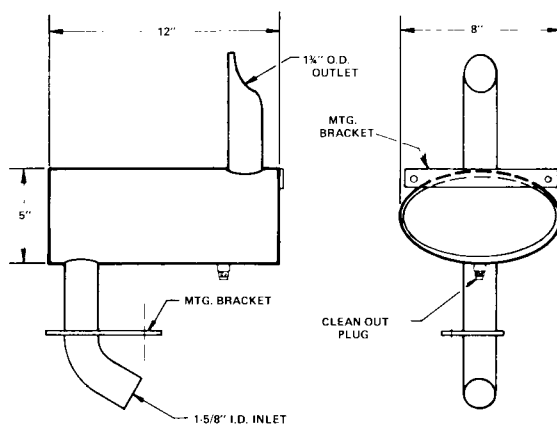
**22904
19820
20665**



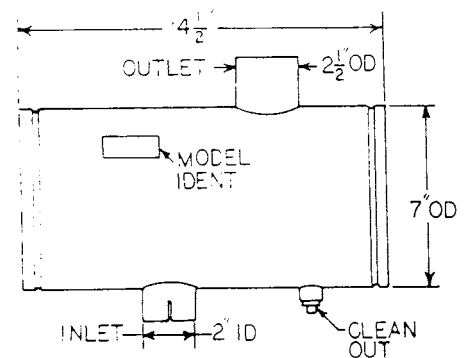
22917



**22992
22992A**



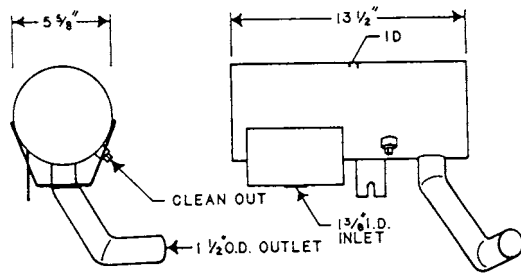
**23094
19382**



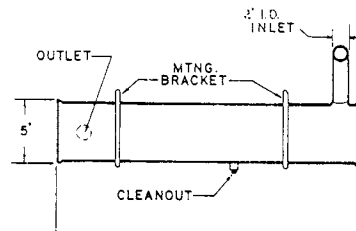
23096

NELSON

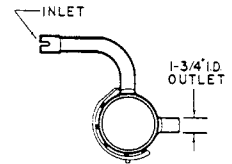
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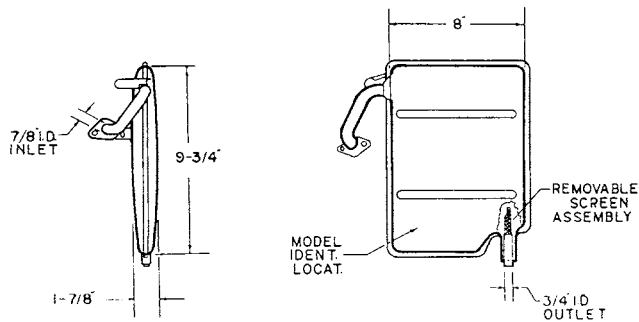
23137



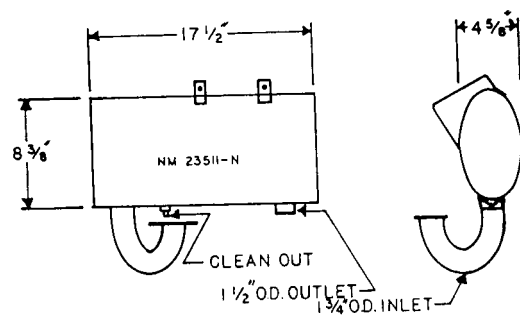
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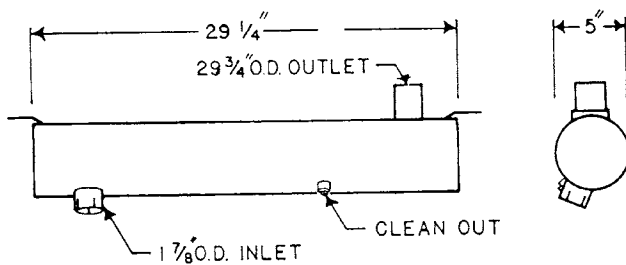
21341



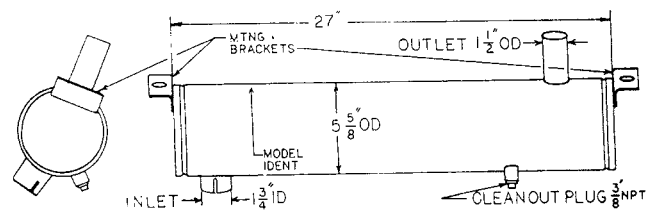
23259A
20578



23511A



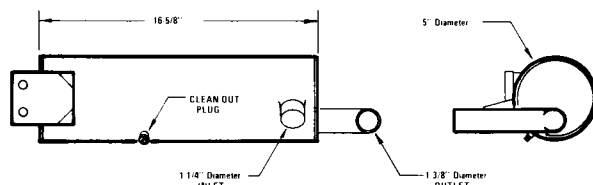
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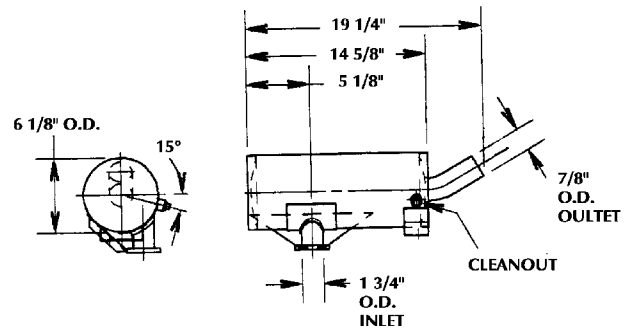
23697

NELSON

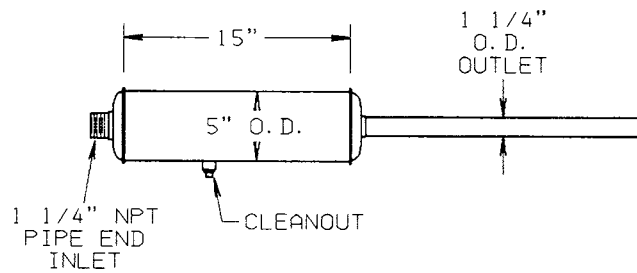
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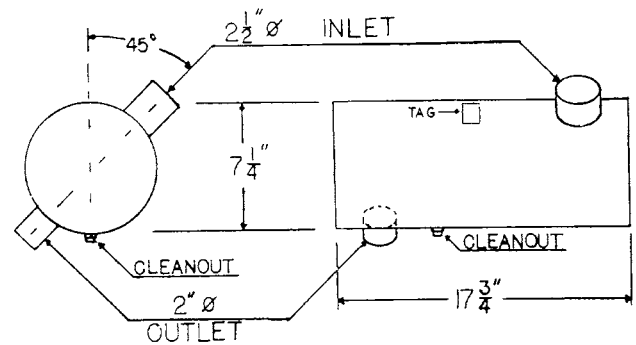
**23718
20990
20990B**



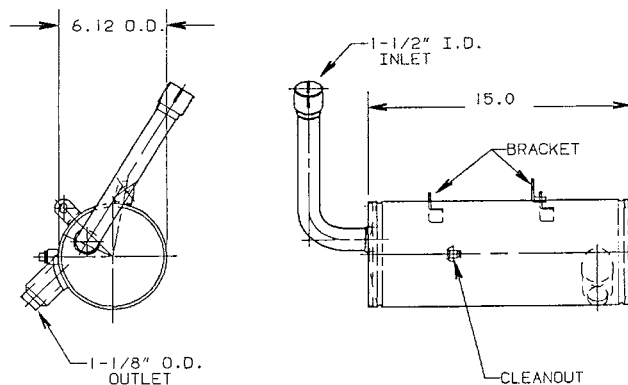
23746



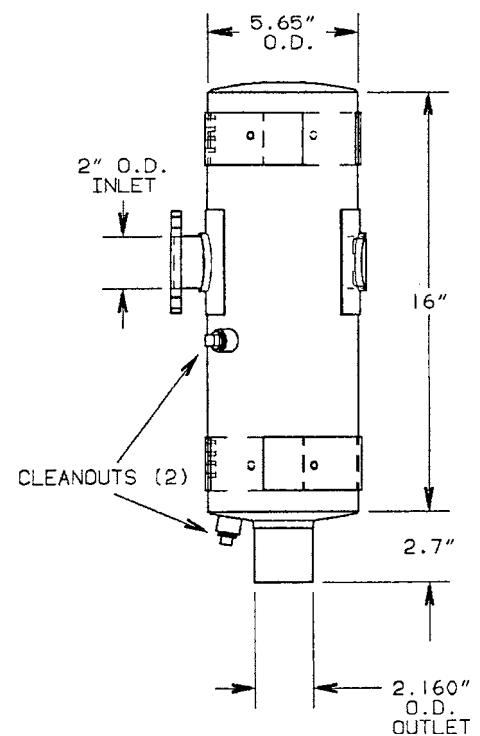
23843



23852



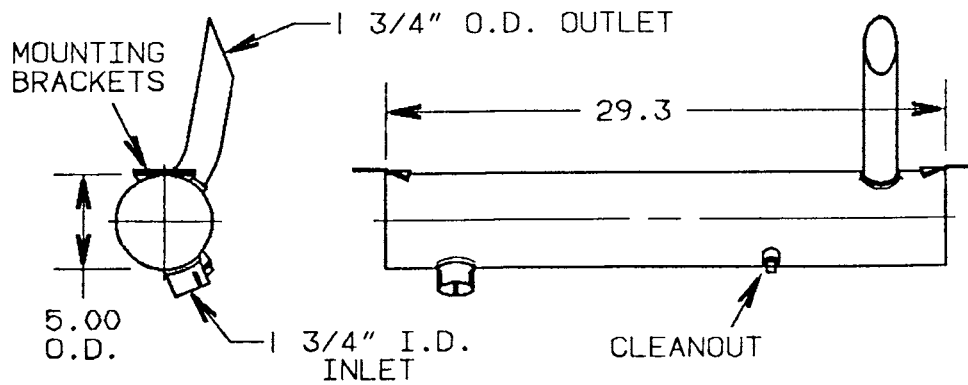
23860



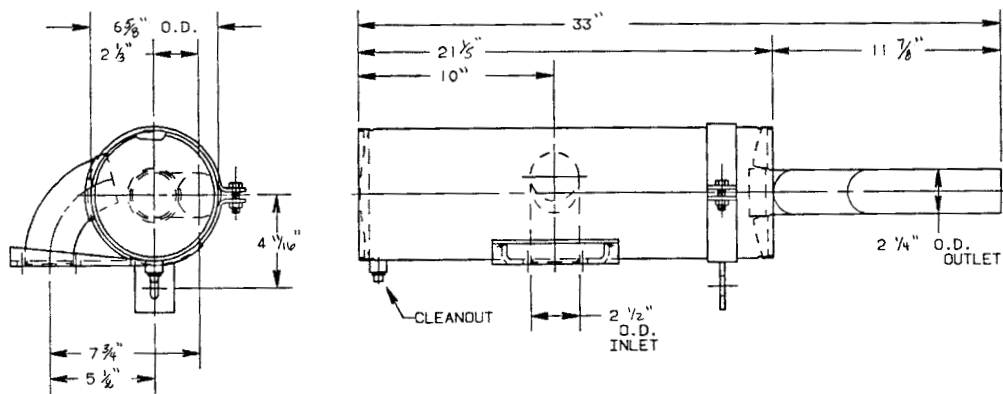
**23893
INVERTED BODY**

NELSON

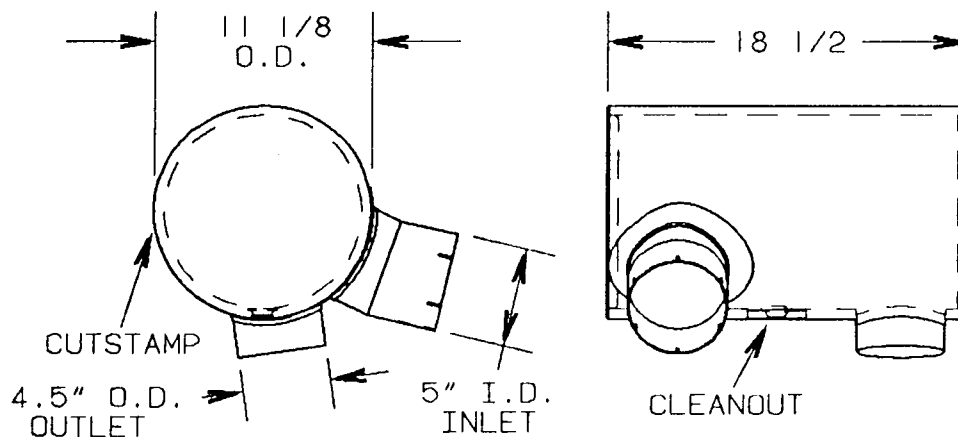
NELSON (continued)



24035



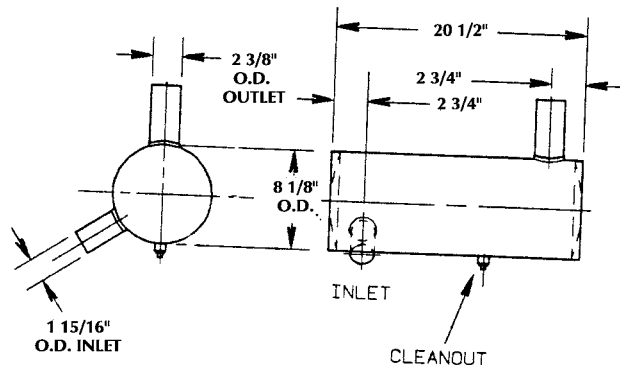
24083



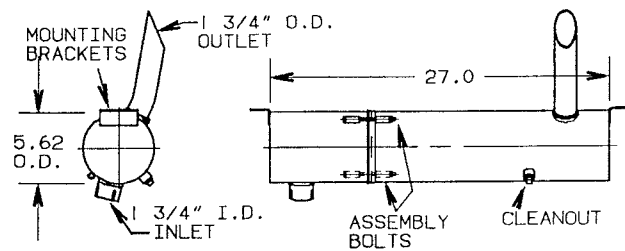
24148

NELSON

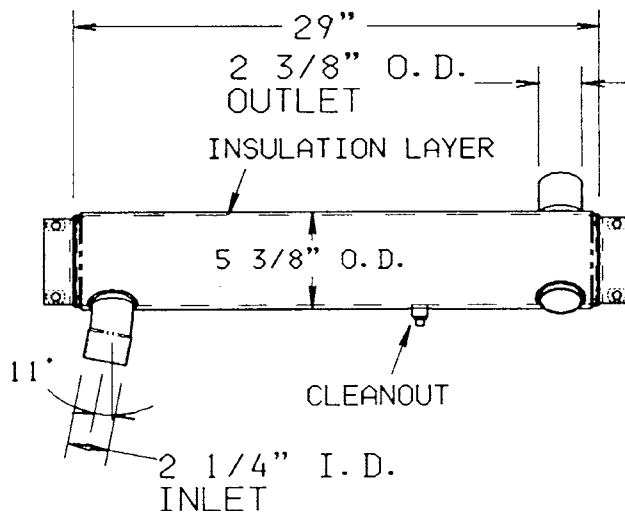
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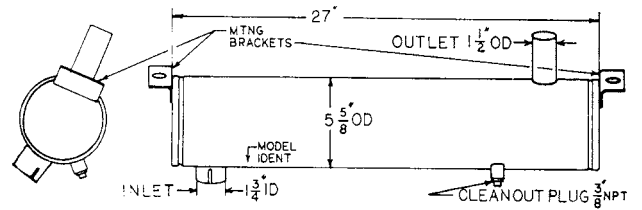
24180



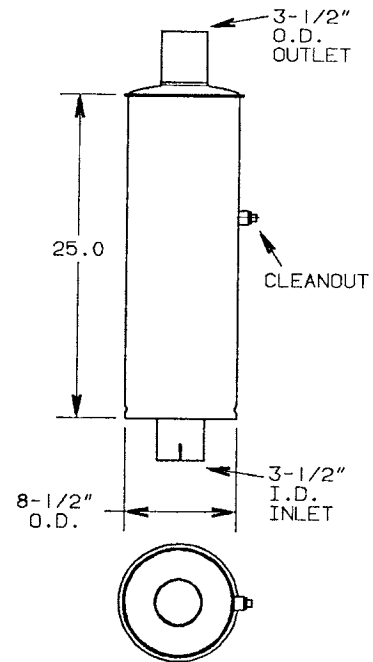
24379



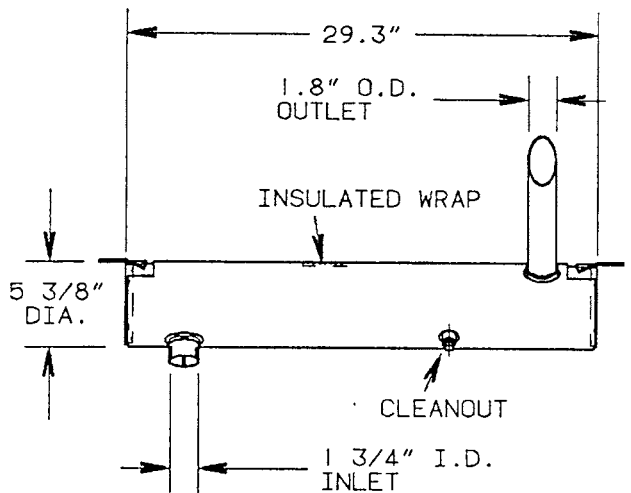
24707



**24304
22627**



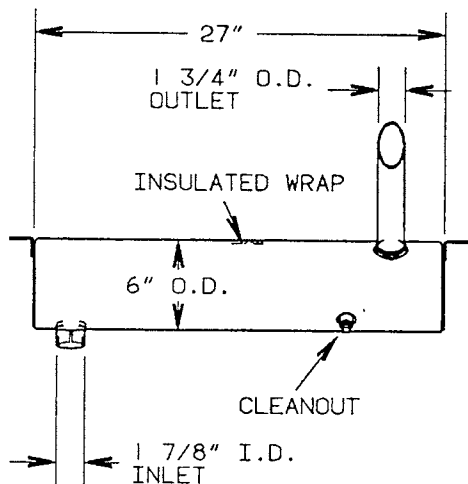
24459



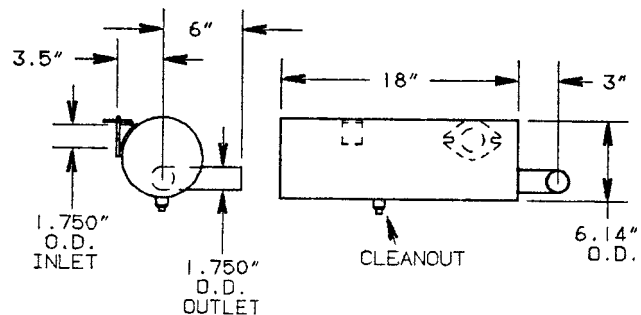
24710

NELSON

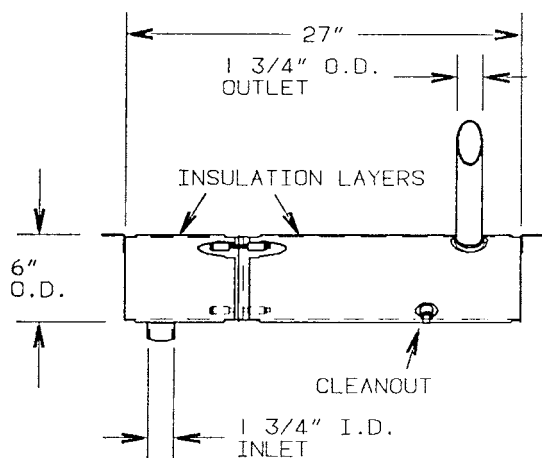
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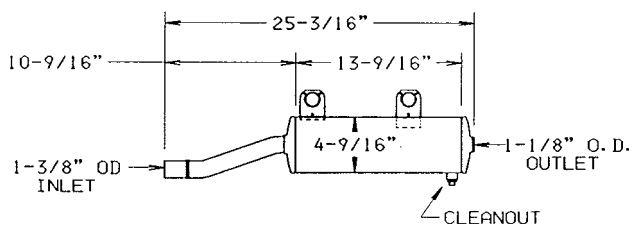
24711



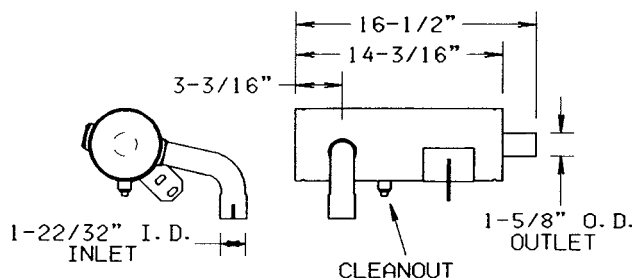
24745



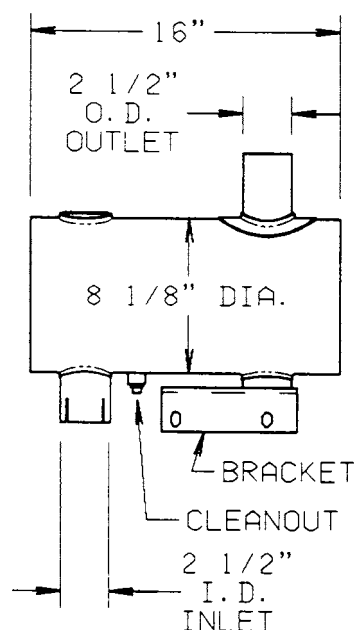
24752



24756N



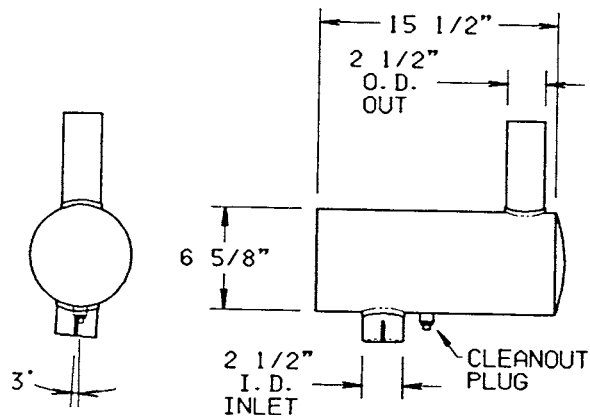
24800



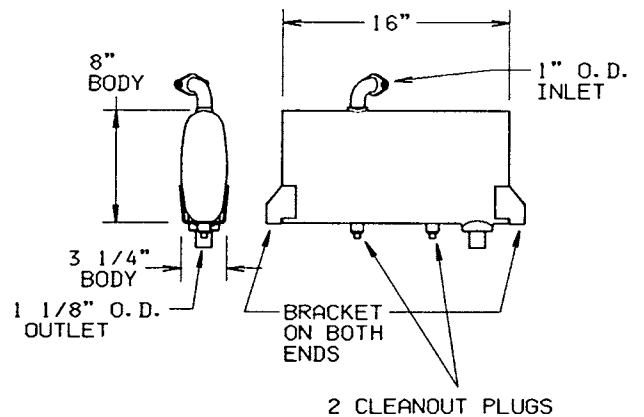
24839

NELSON

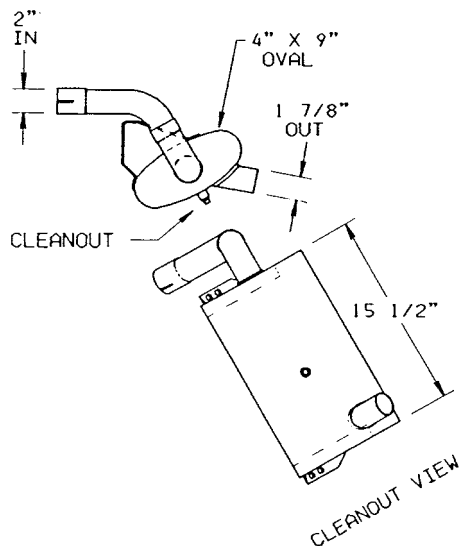
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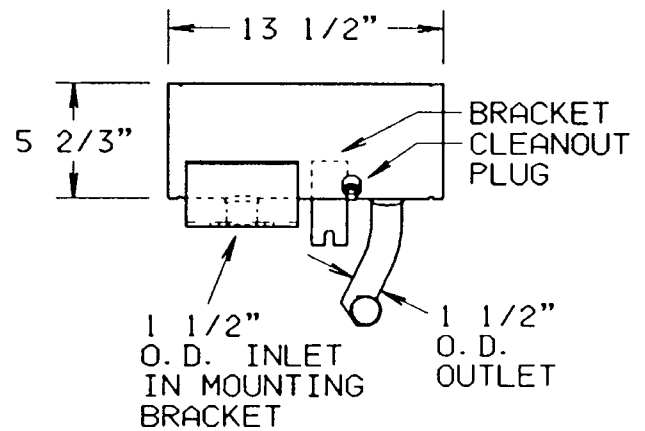
24842



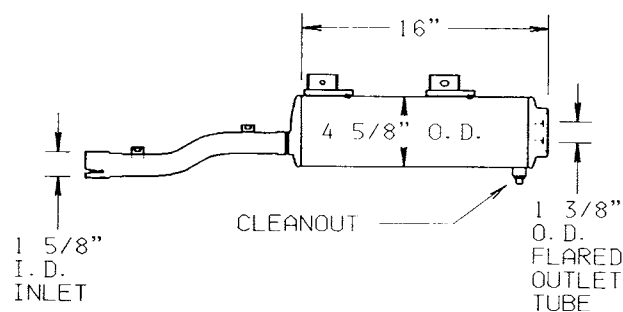
24866B



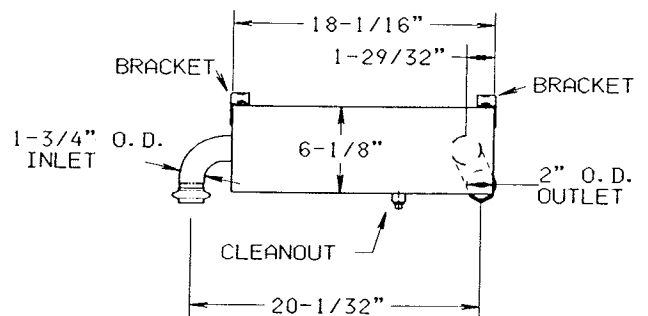
24931



24953



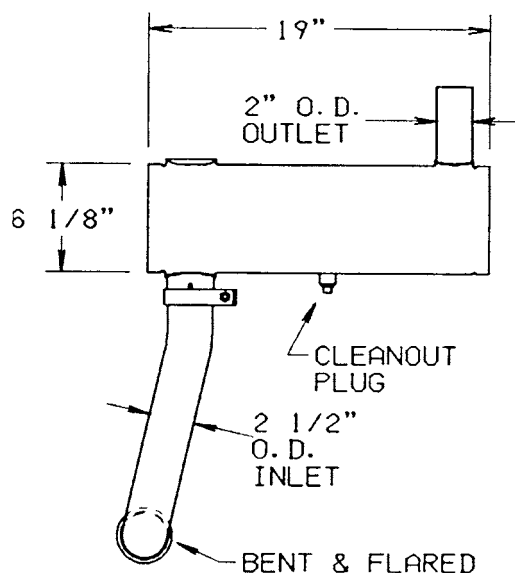
25007



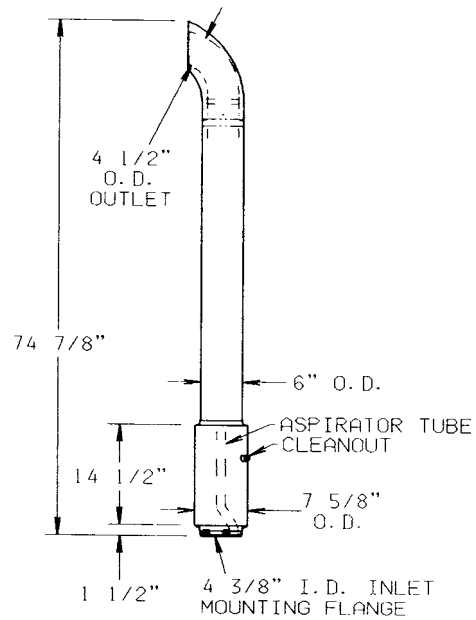
25012

NELSON

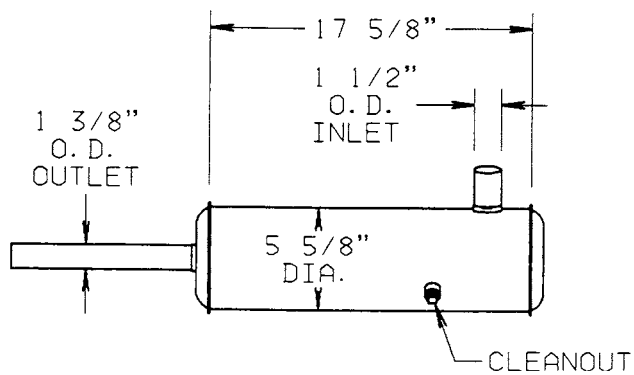
NELSON (continued)



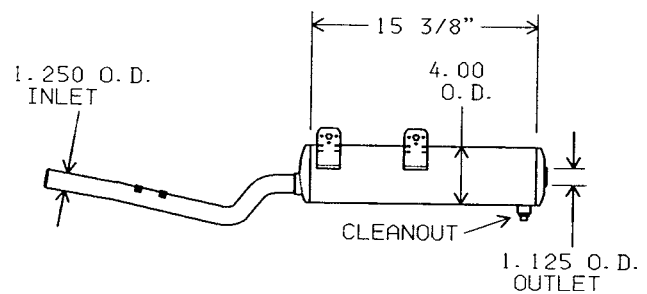
25026



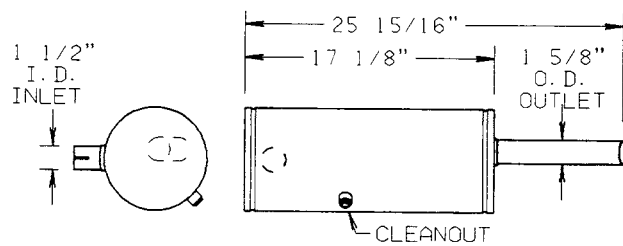
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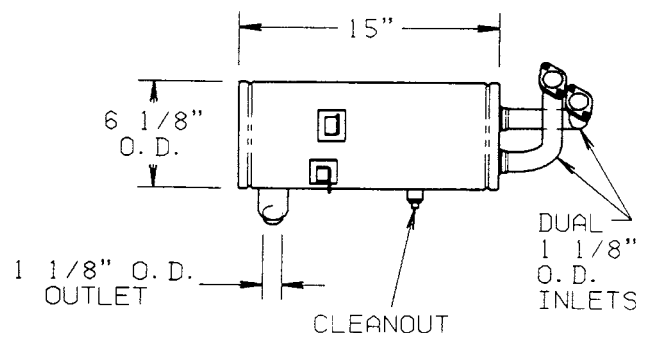
25191



25237



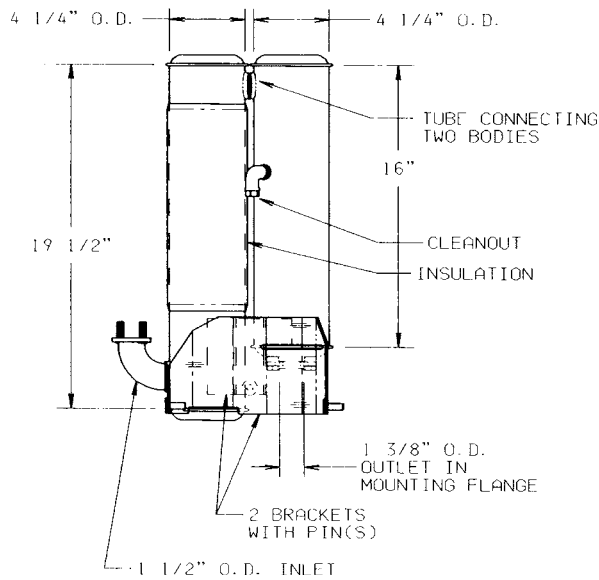
25239A



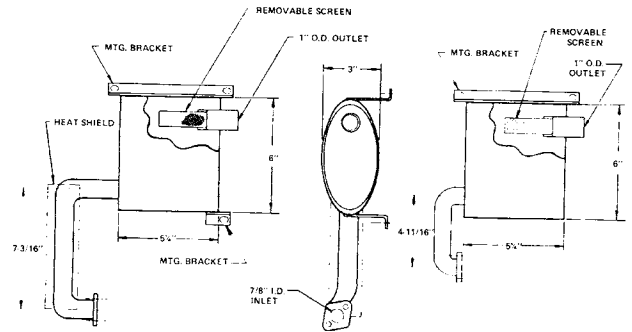
25602A

NELSON

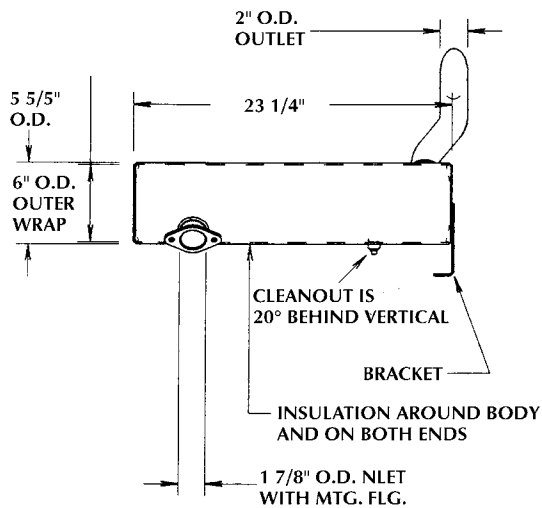
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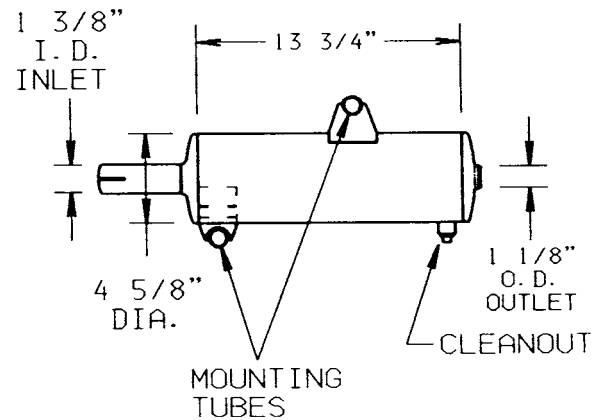
25640



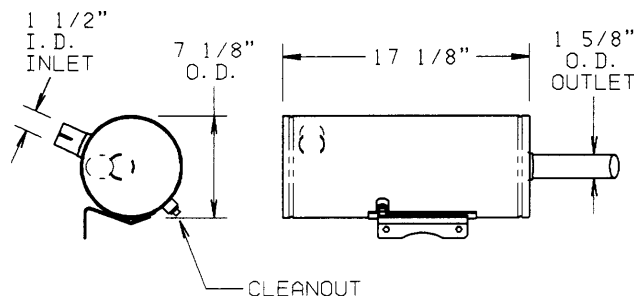
**25766
SCREEN
ASSEMBLY**



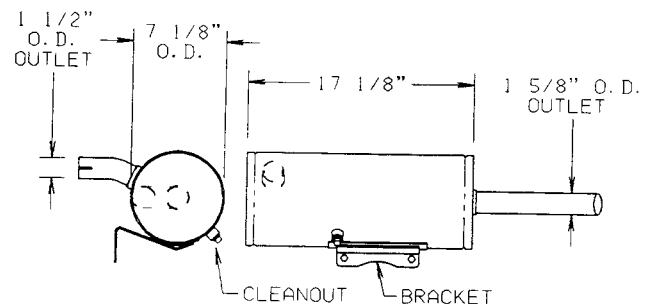
25771



25868N



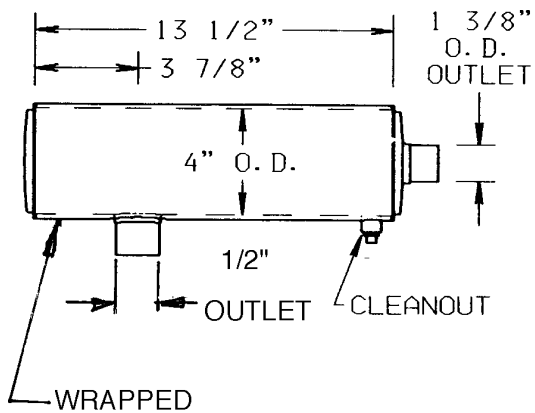
25986



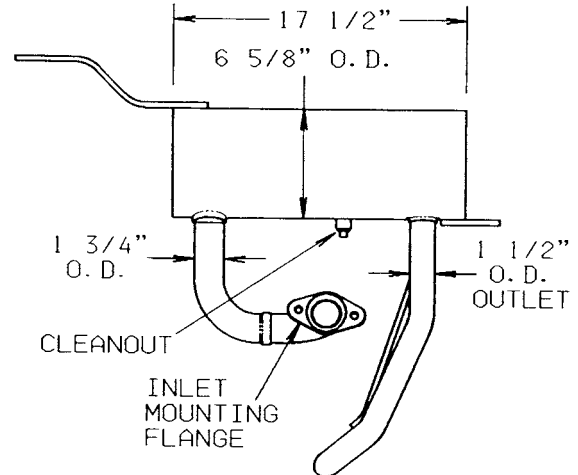
26147

NELSON

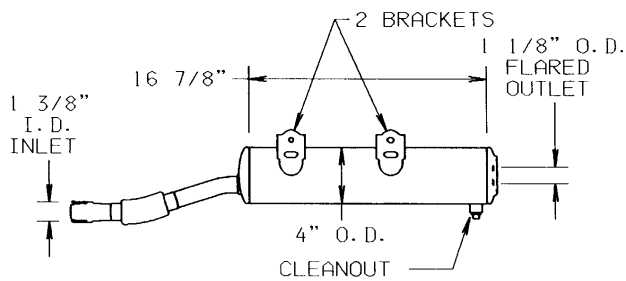
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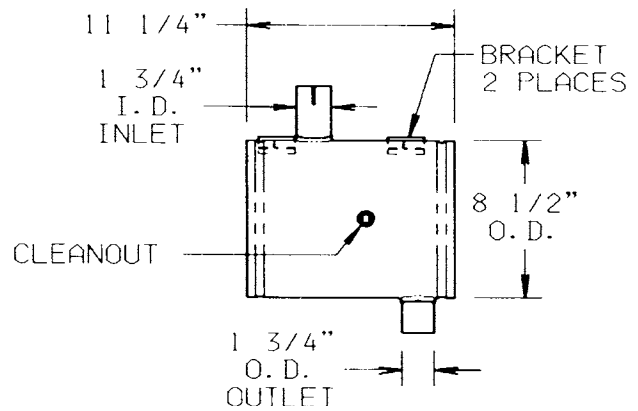
26201A



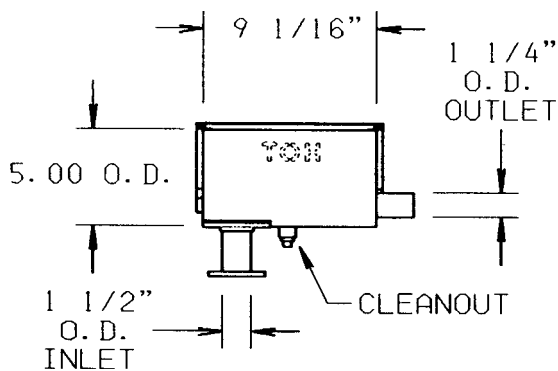
26294



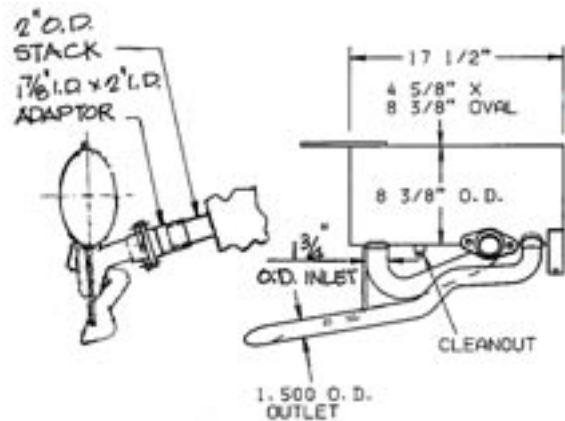
HONDA-NELSON 26296



26359



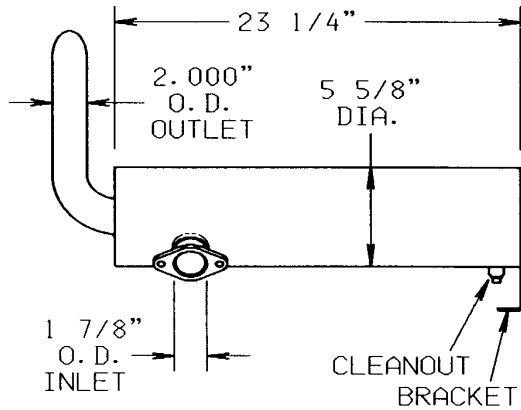
26438



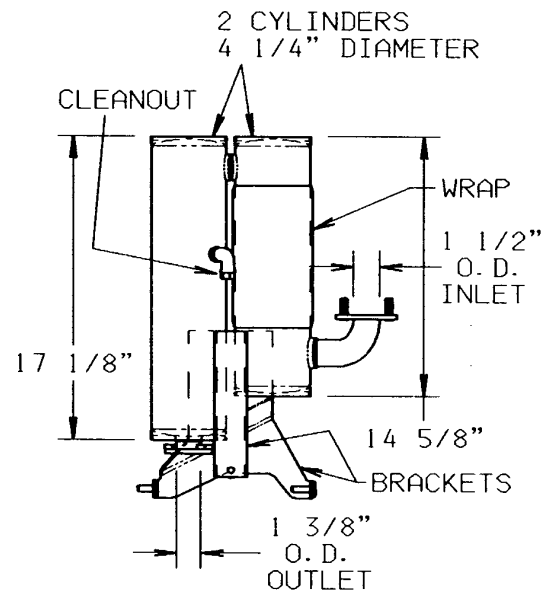
26454

NELSON

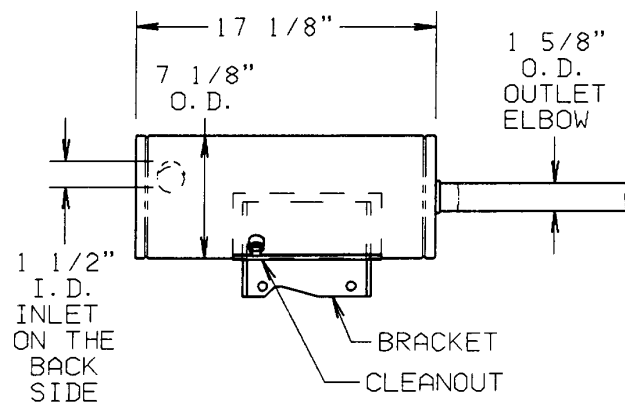
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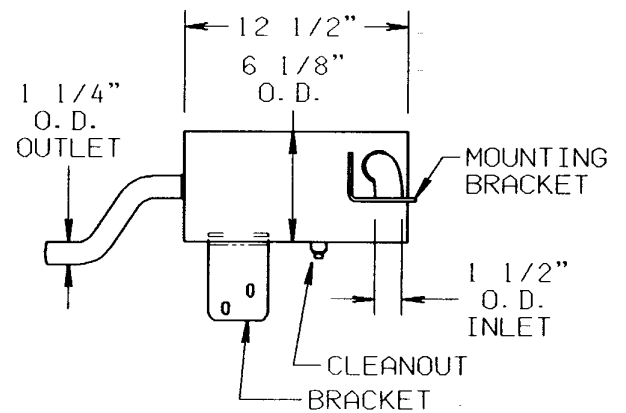
26465



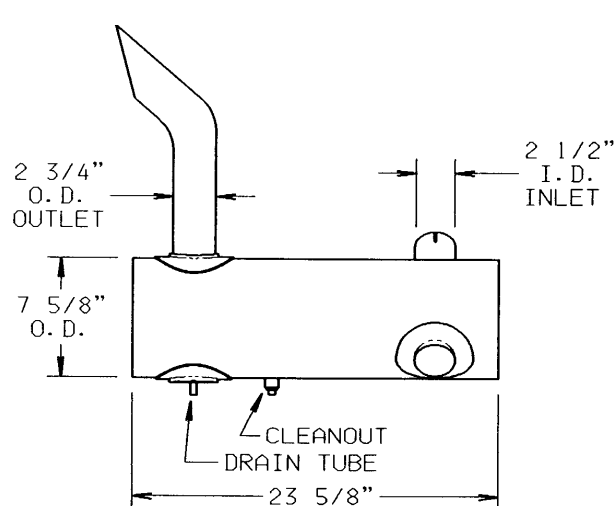
26503
ONAN 0155-3110



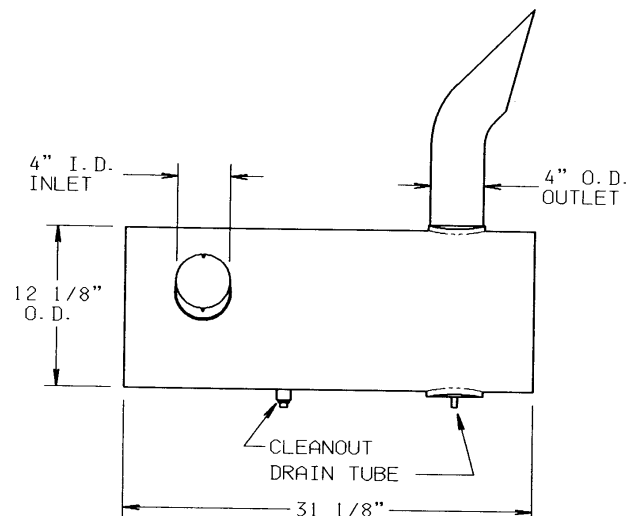
26617



26749



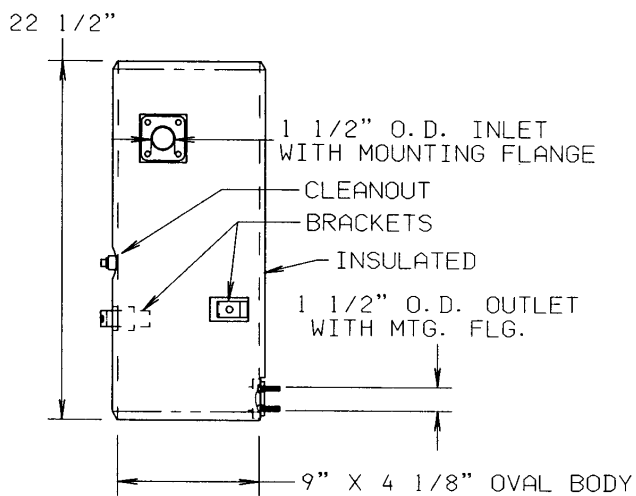
26875



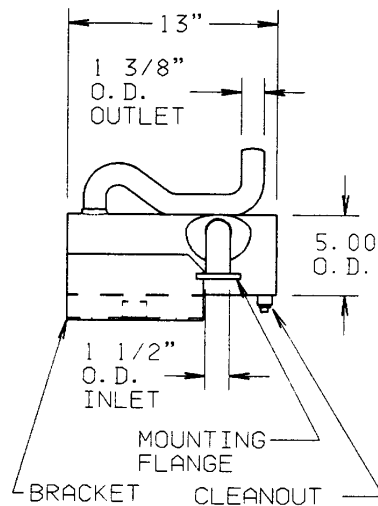
26876

NELSON

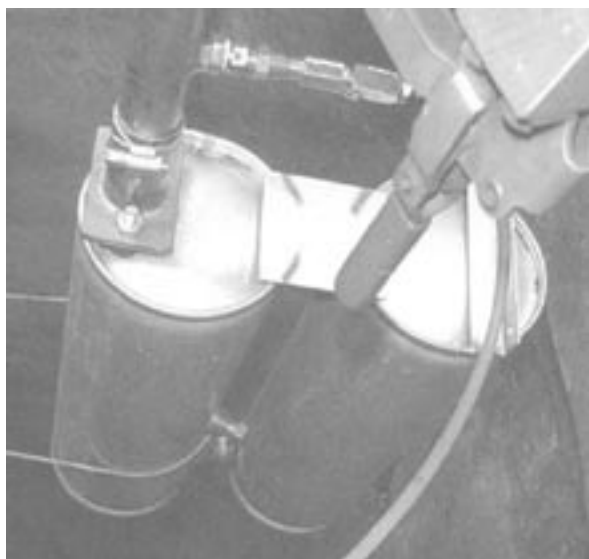
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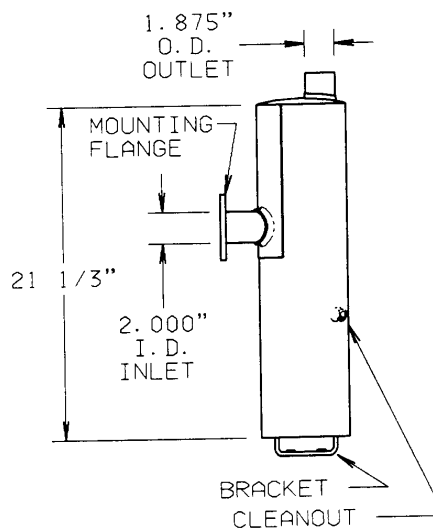
26897
ONAN 155-3151



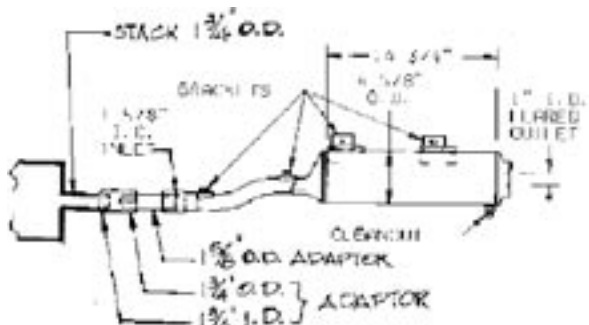
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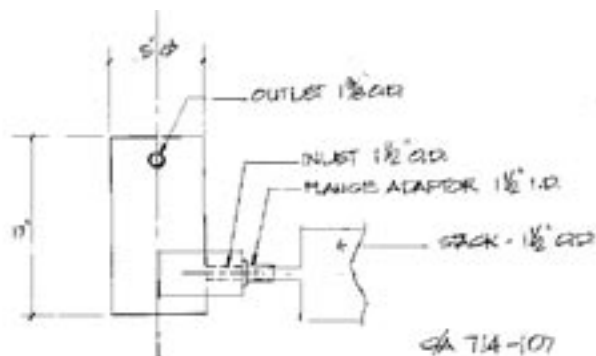
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27173



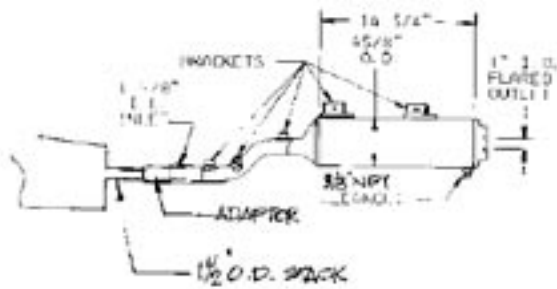
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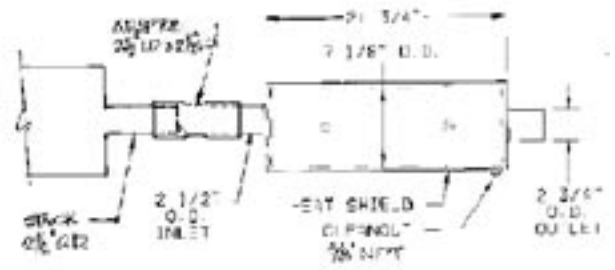
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NELSON

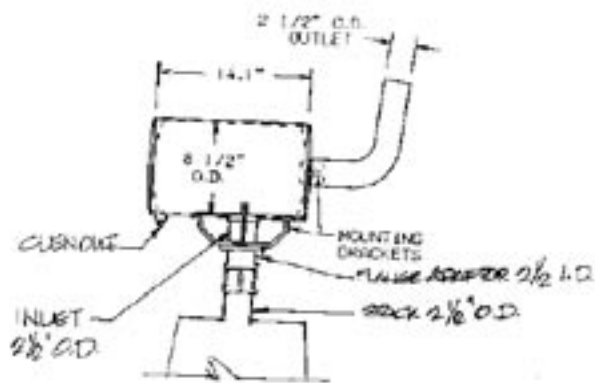
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27222

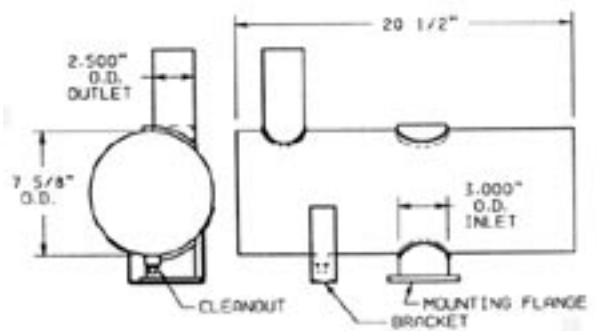


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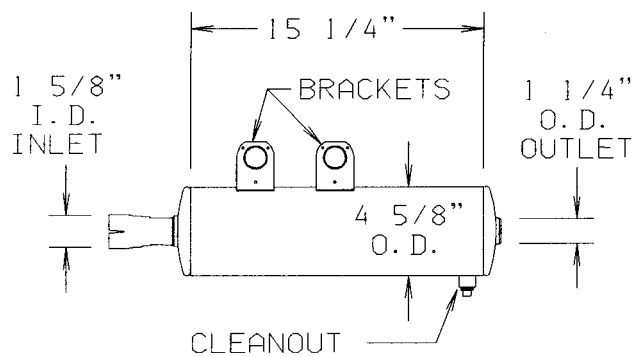


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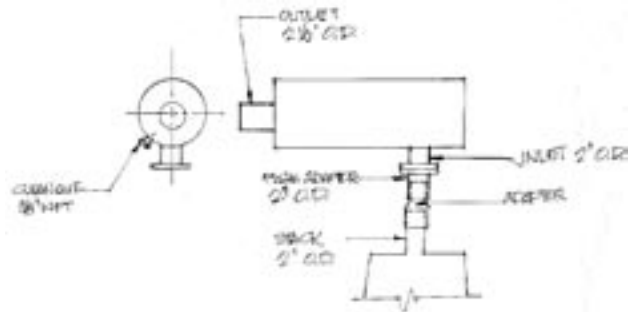
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27475



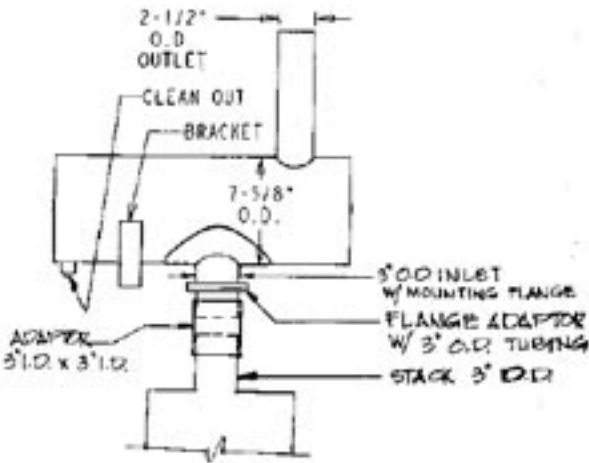
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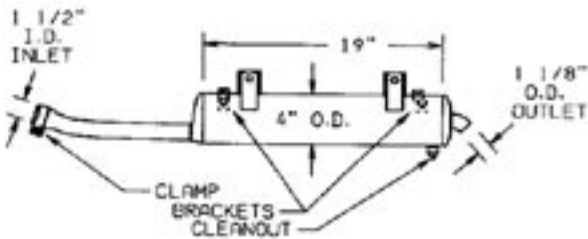
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NELSON

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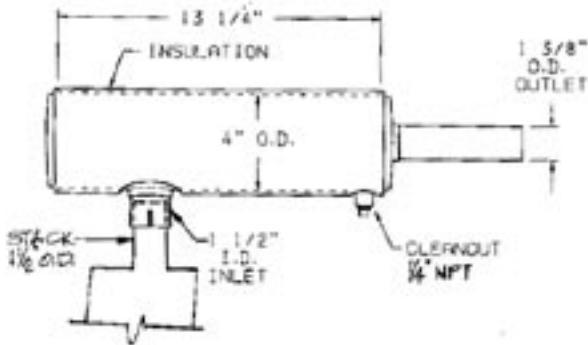
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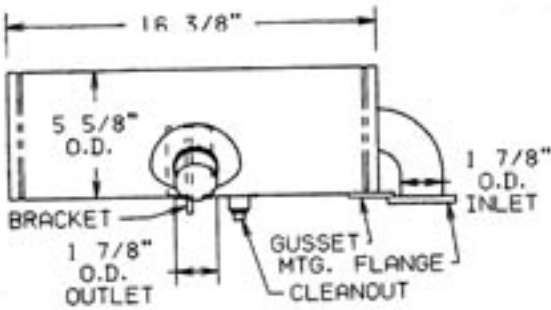
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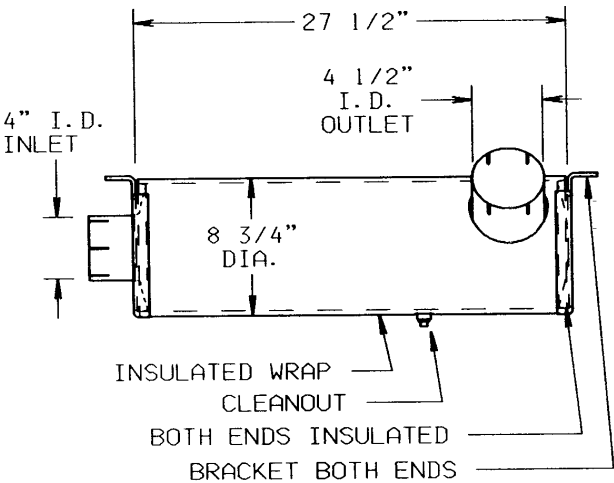
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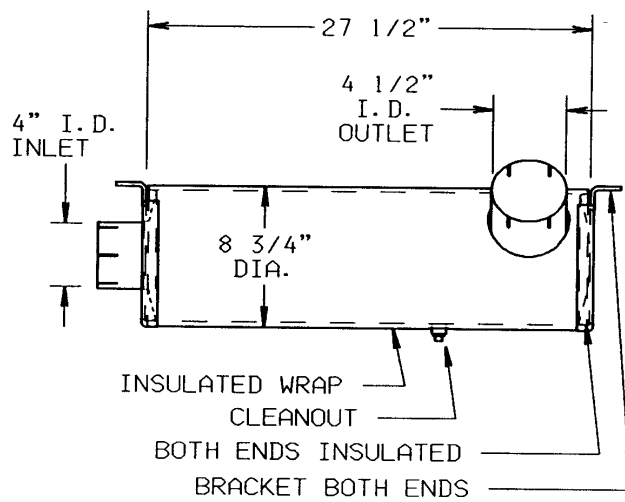
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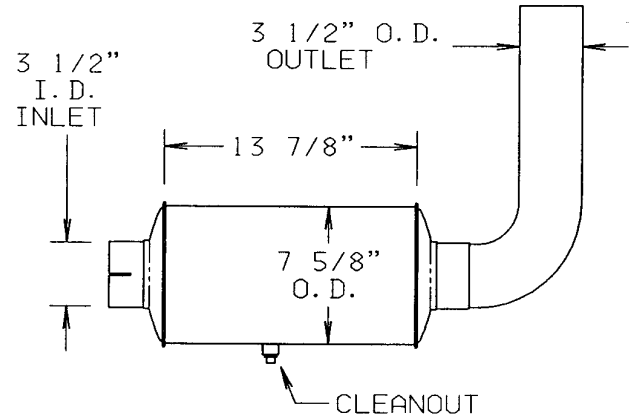
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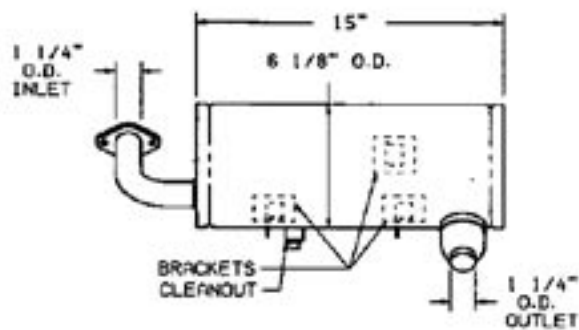
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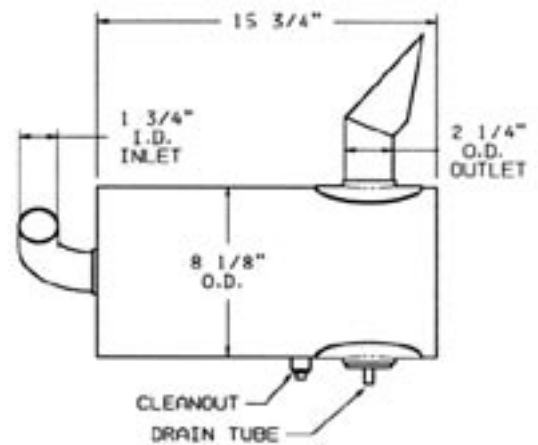
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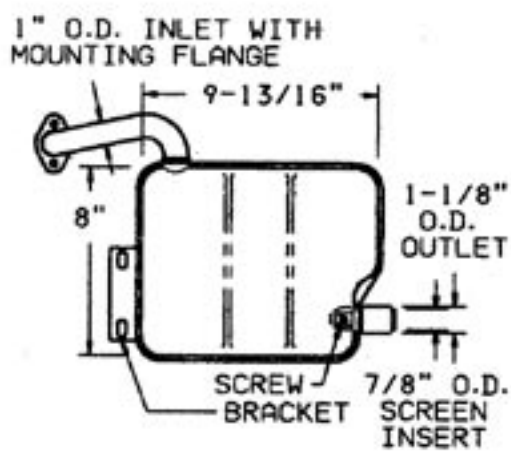
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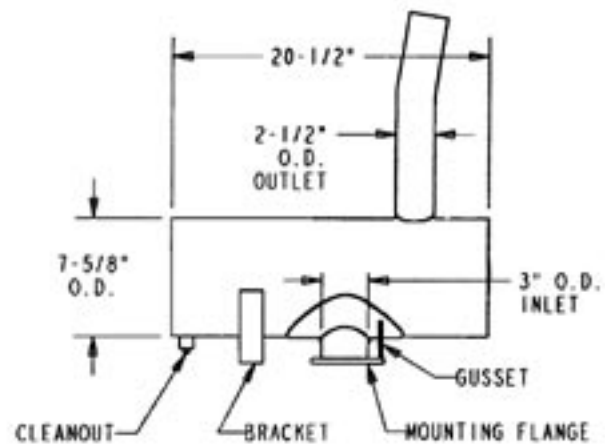
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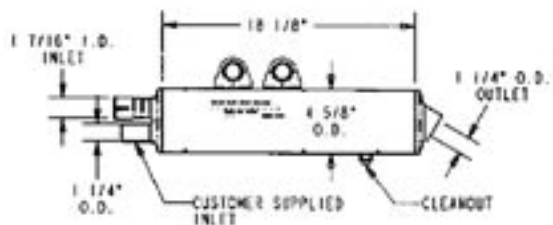
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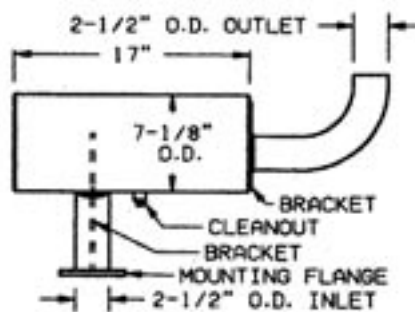
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NELSON

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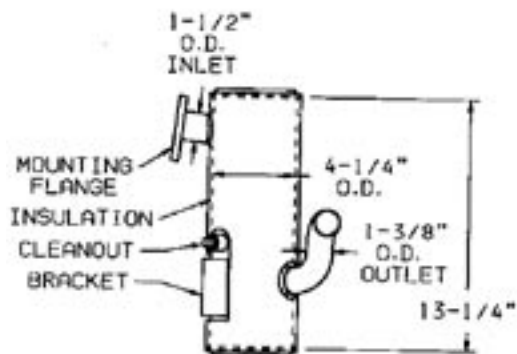


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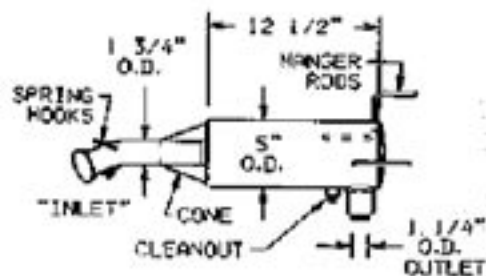


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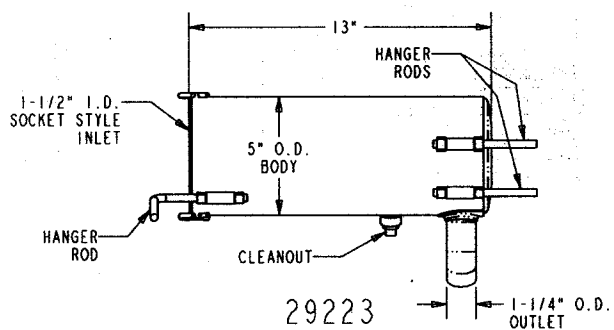
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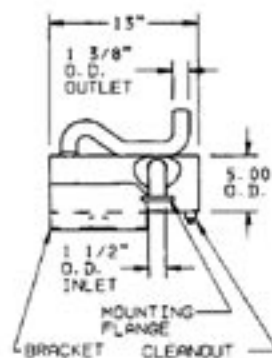
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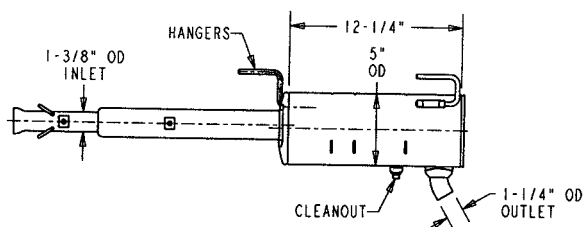
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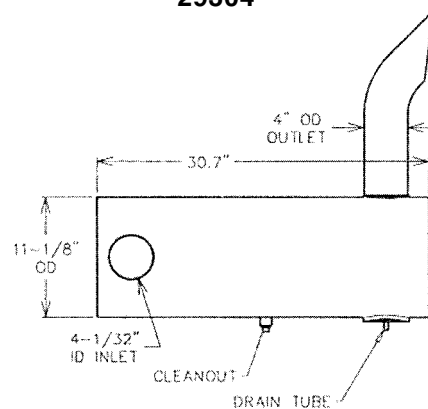
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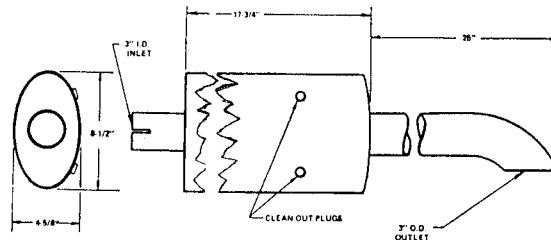
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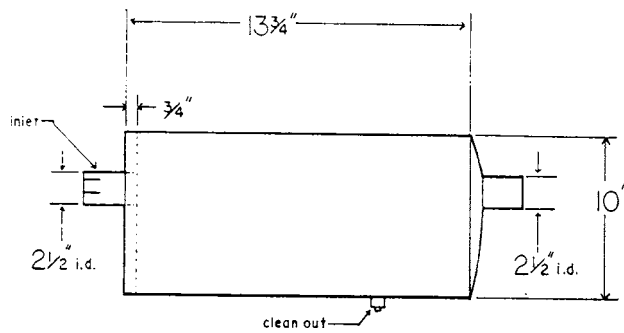
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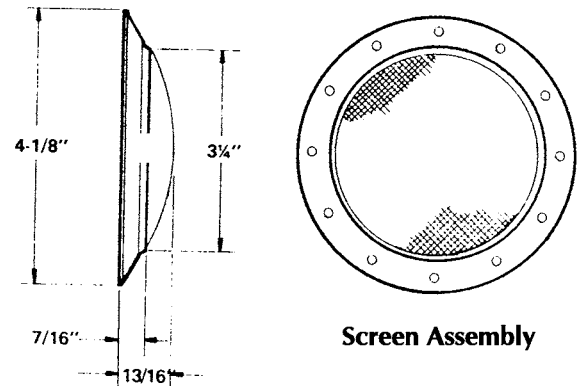
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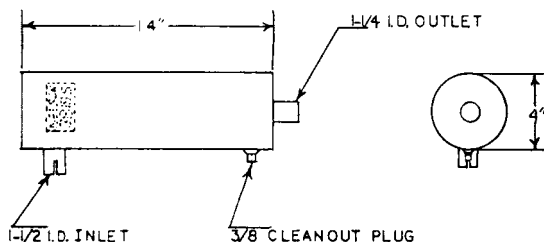


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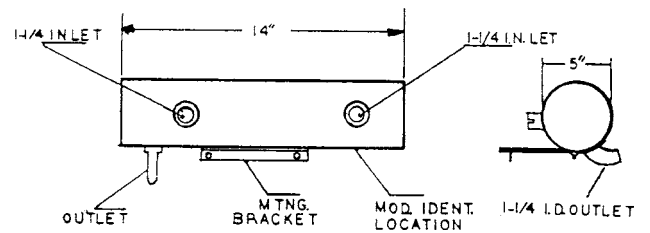


Screen Assembly

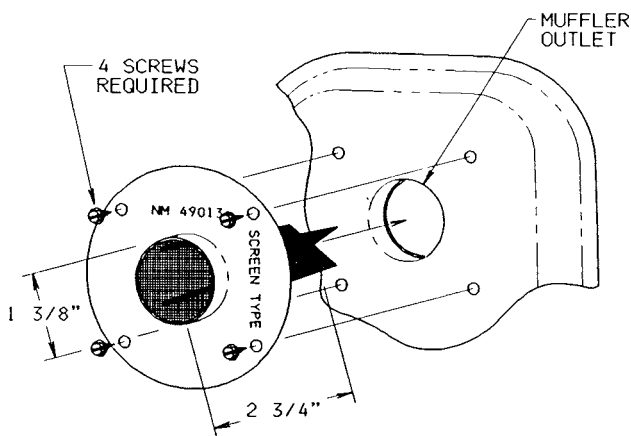
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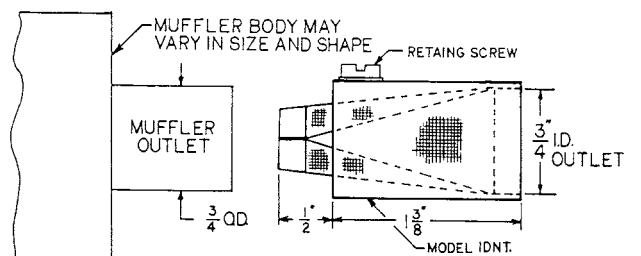
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38196



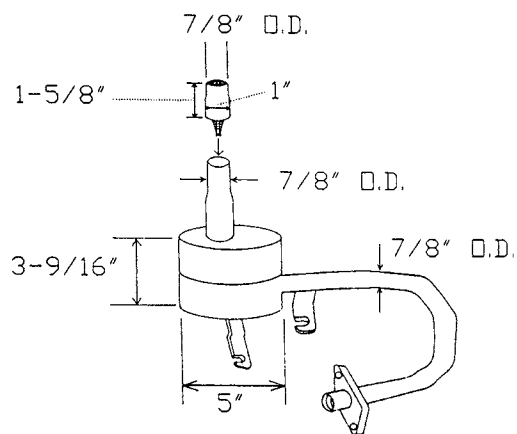
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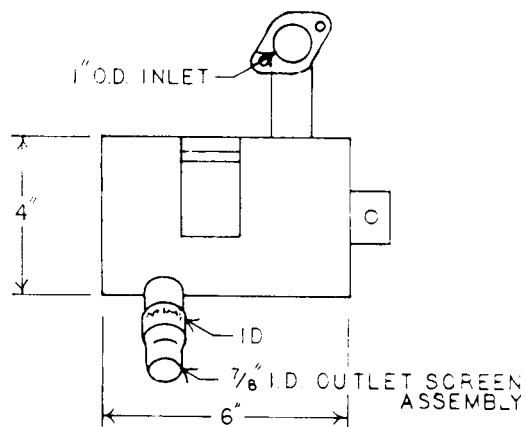
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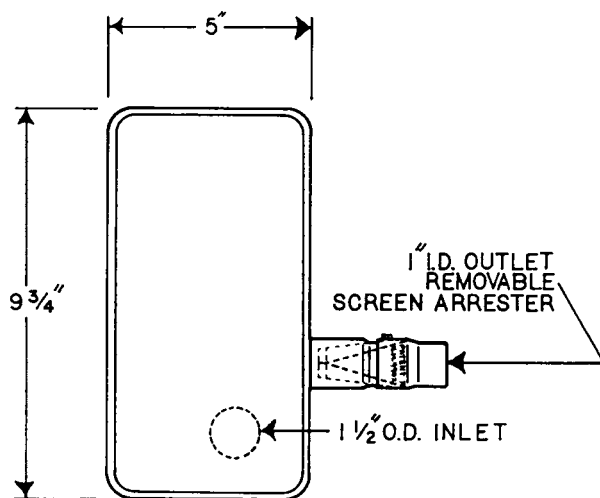
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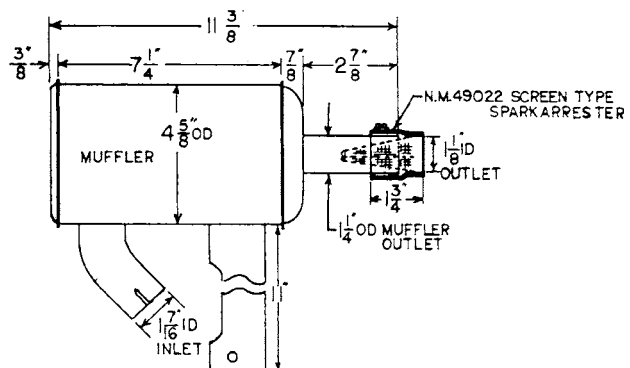
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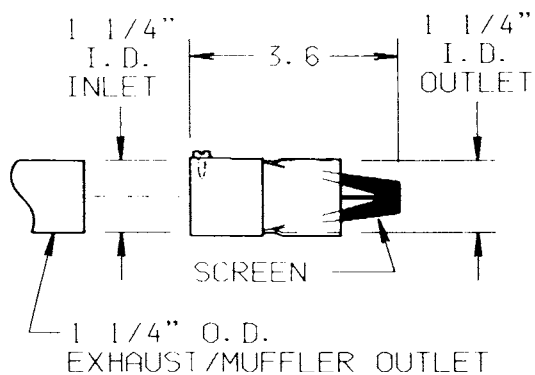
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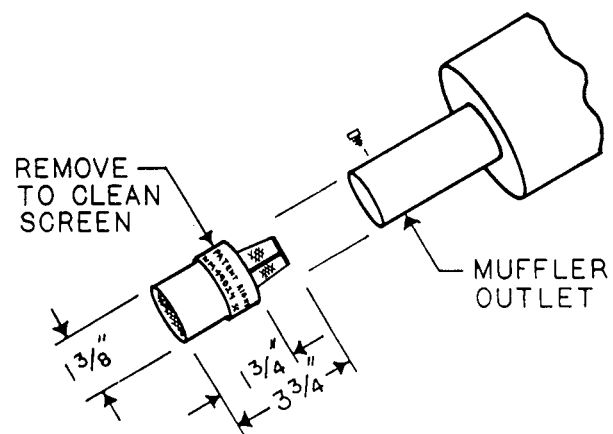
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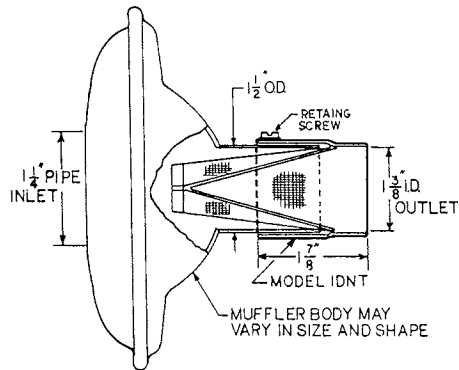
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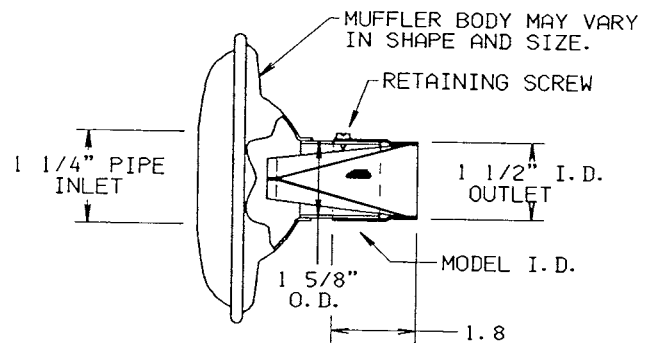
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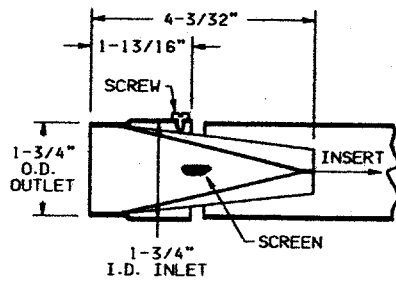
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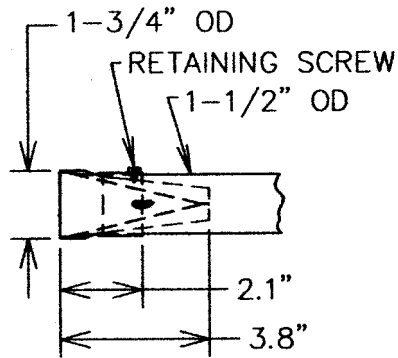
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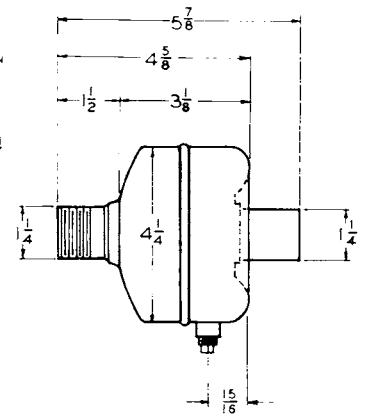
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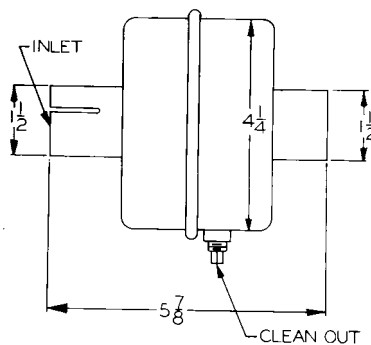
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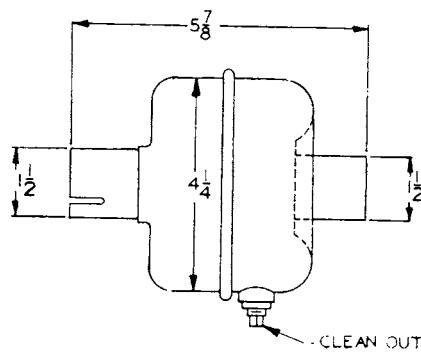
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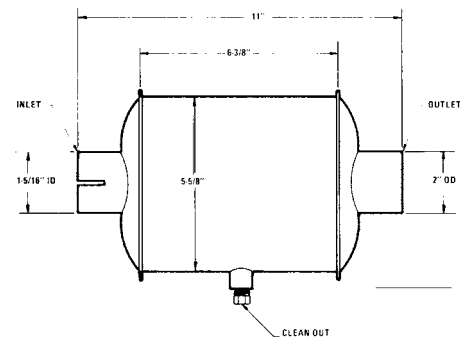
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T-9458



49114
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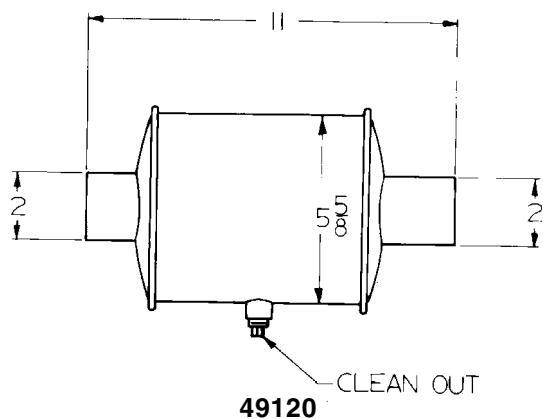
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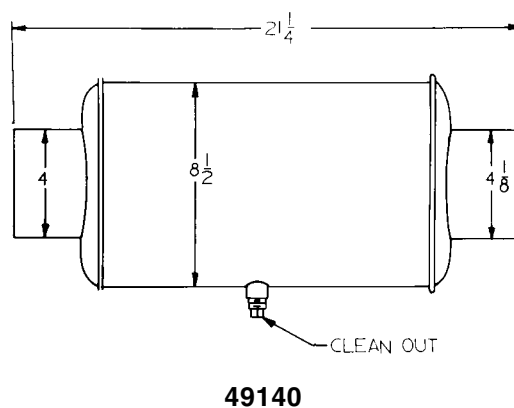
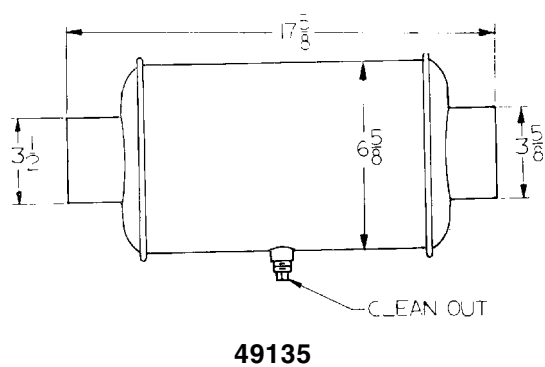
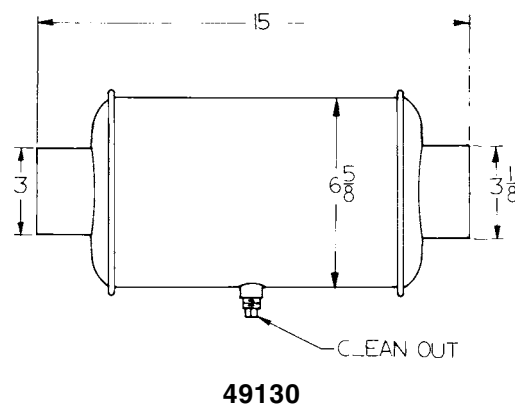
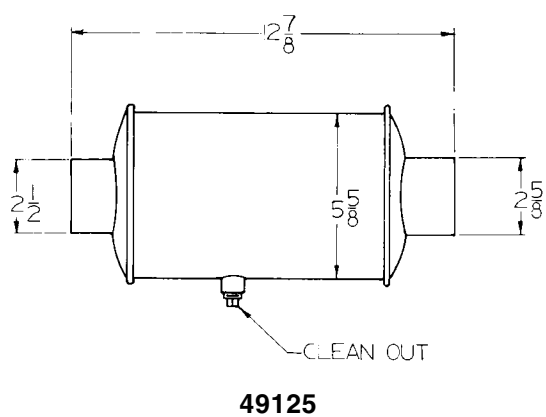
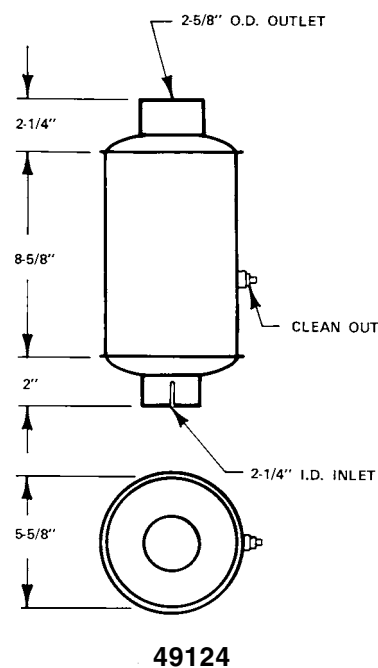
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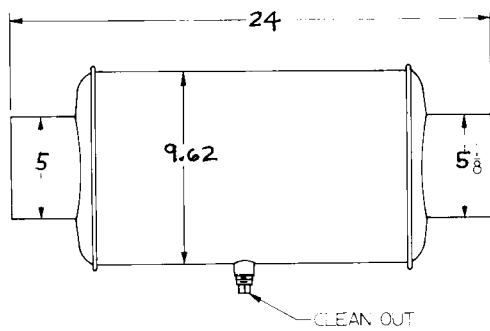


Nelson 49120F—see 49120
Inlet may vary 2" I.D. to 2-1/4" I.D.
Outlet may vary 2" O.D. to 2-1/4" I.D.

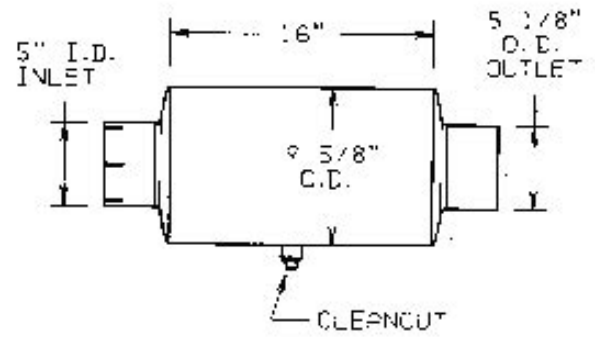


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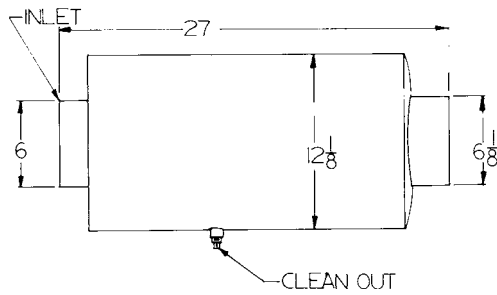
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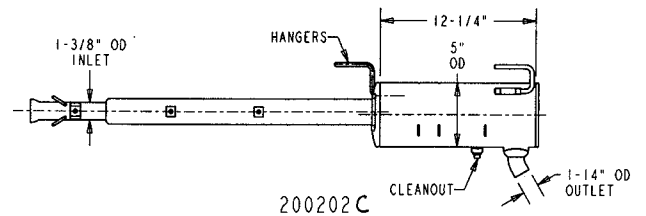
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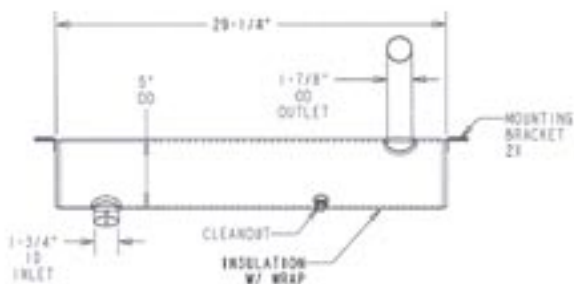
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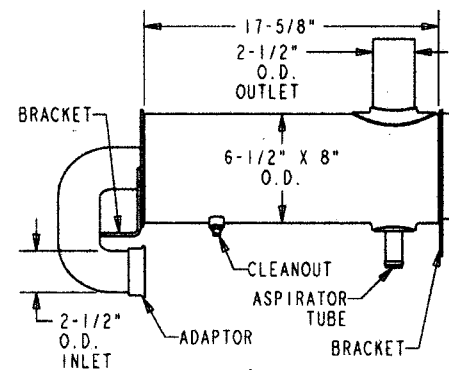
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200202C



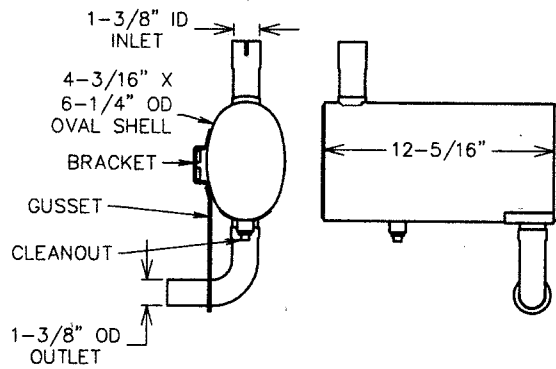
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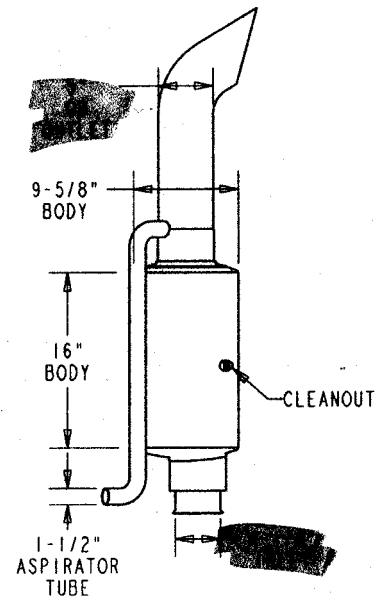
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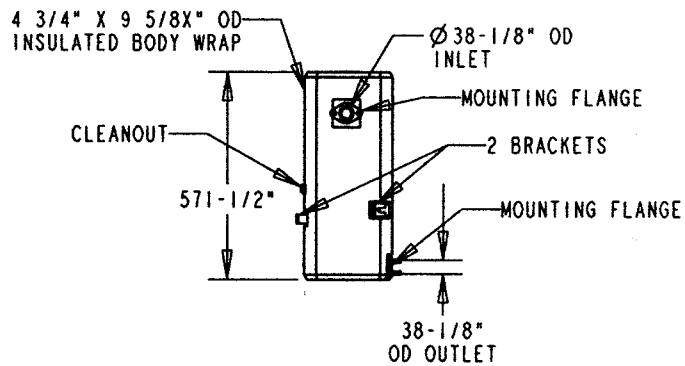
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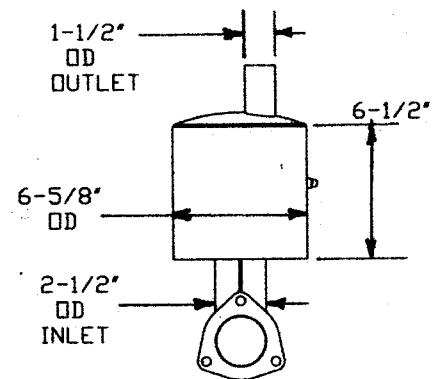
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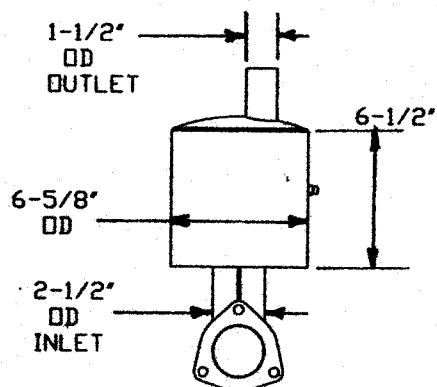
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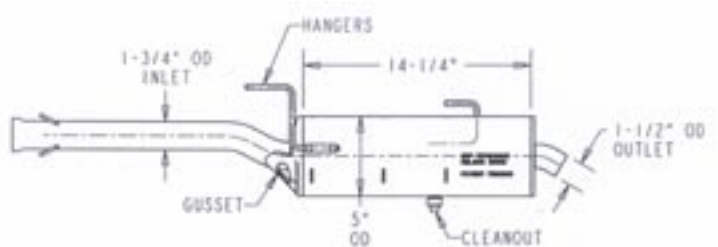
201789



201816



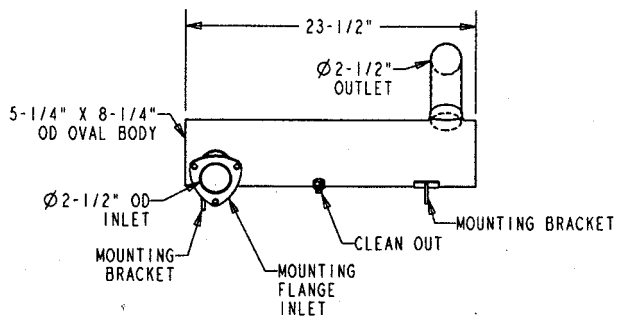
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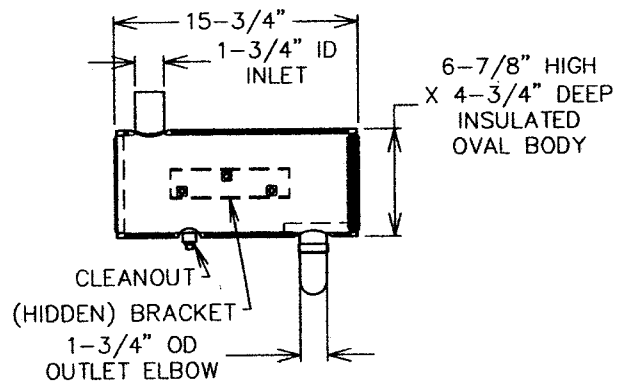
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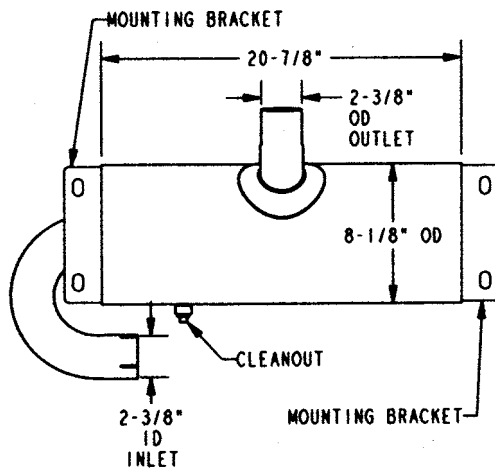
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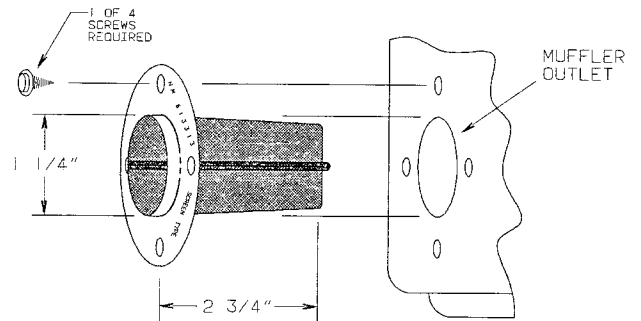
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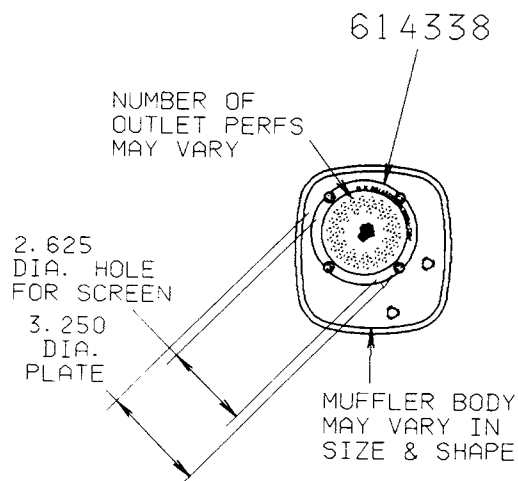
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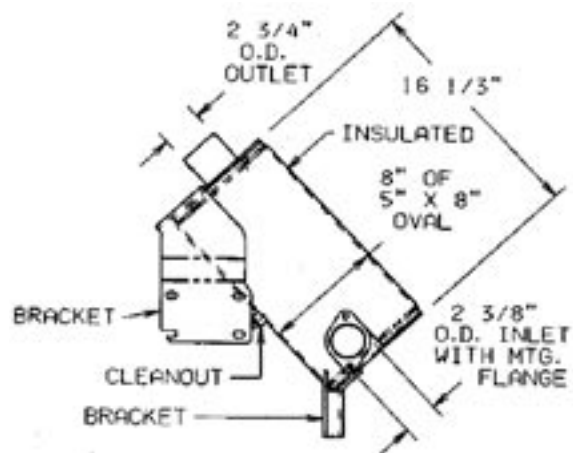
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613313



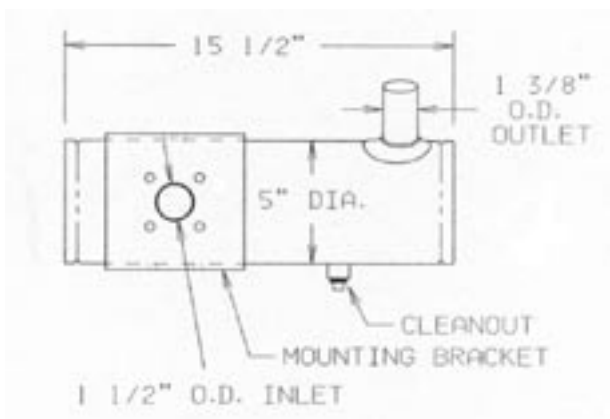
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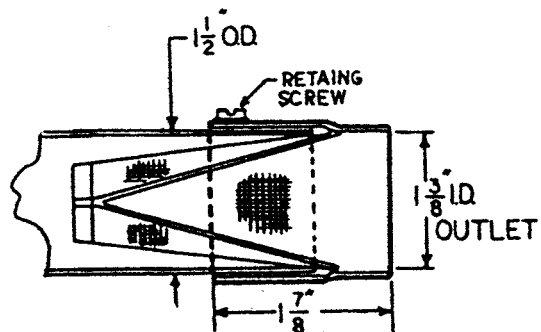
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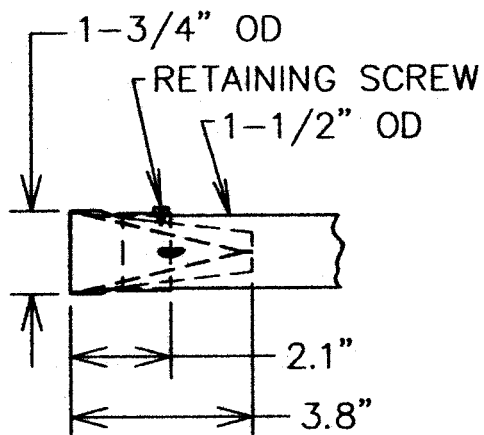
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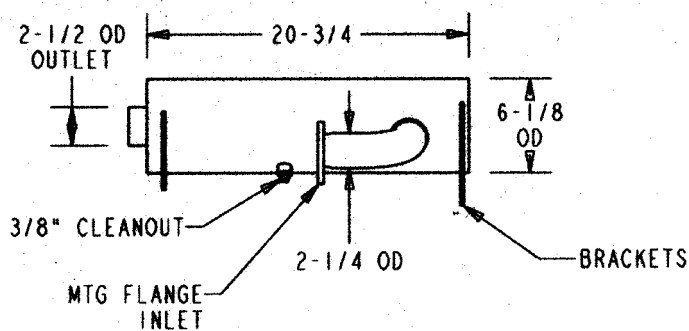
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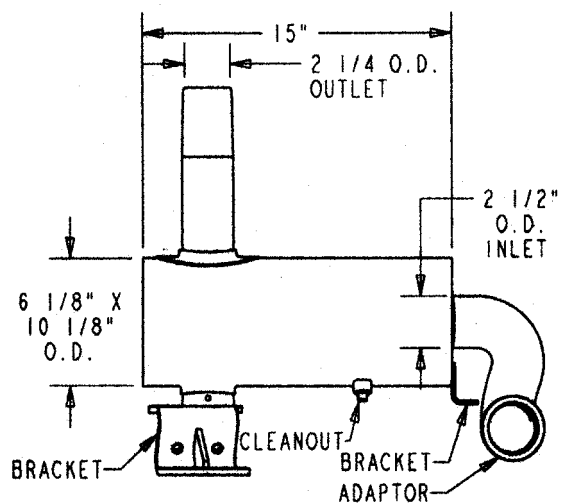
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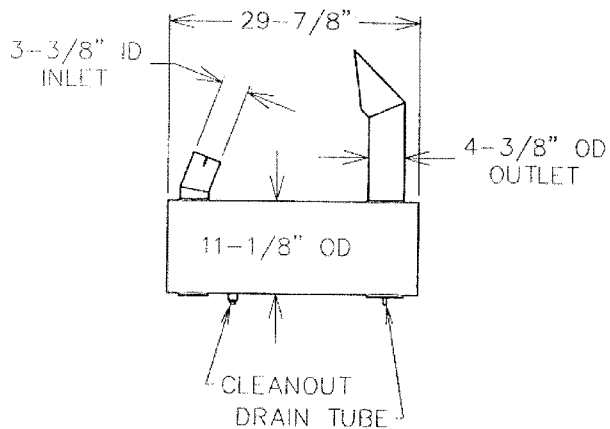
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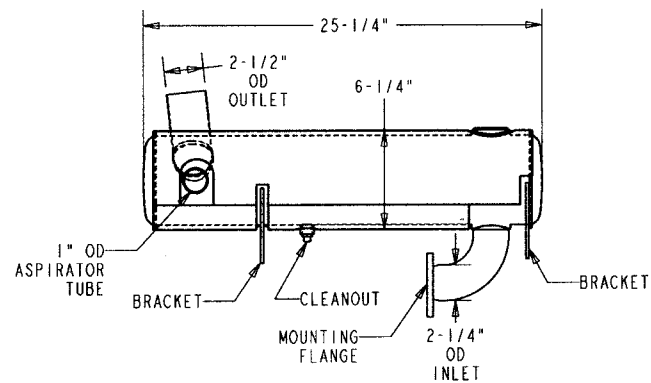
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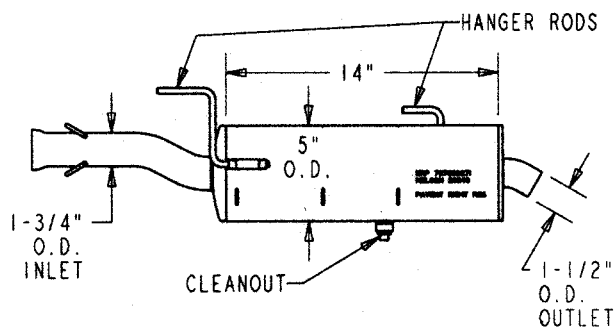
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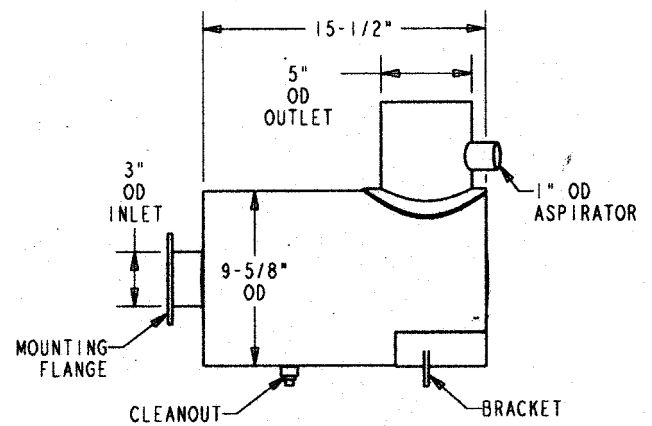
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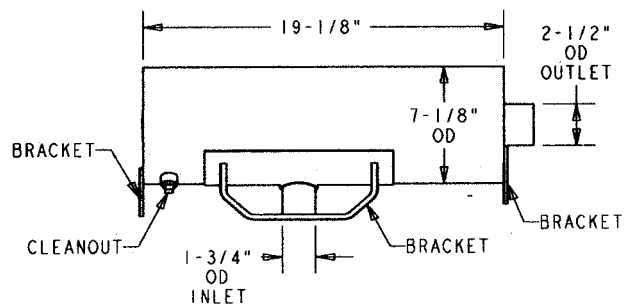
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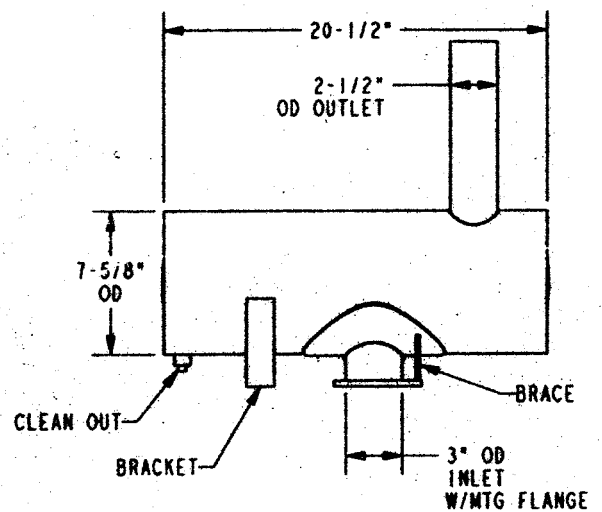
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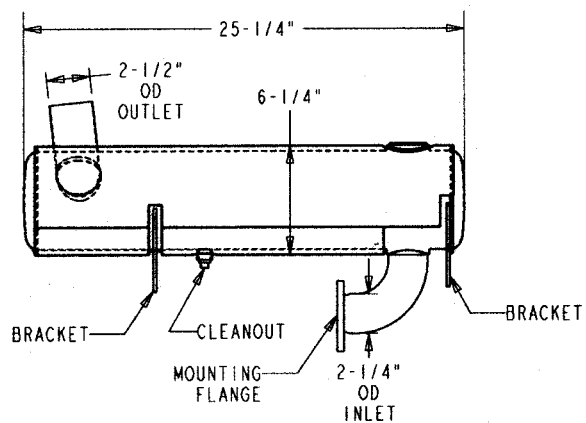
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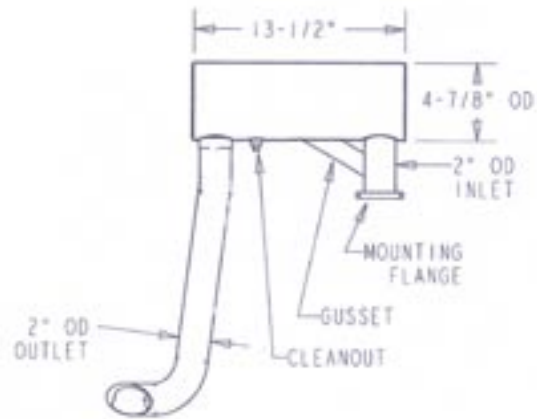
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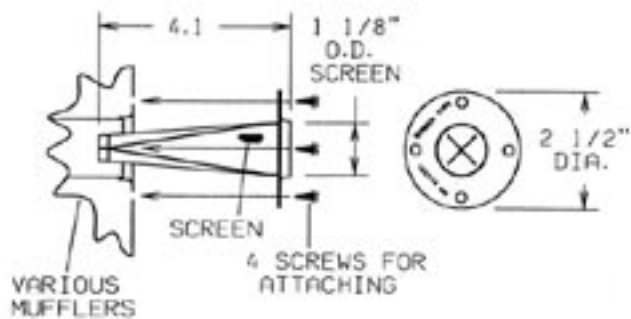
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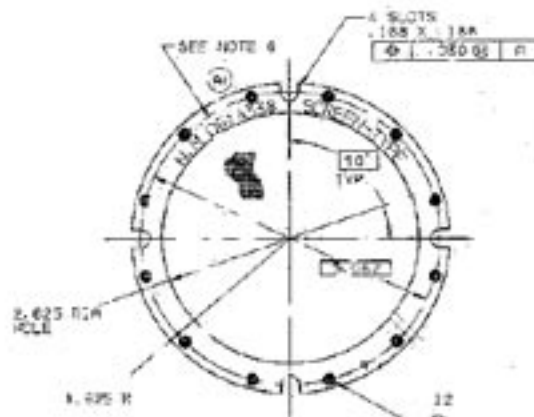
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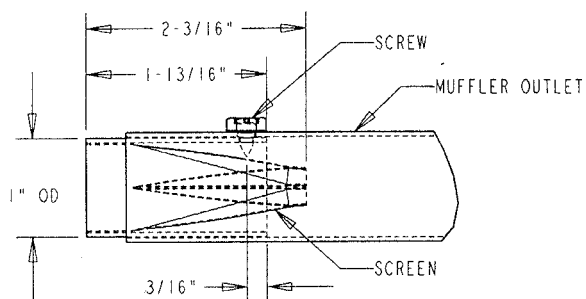
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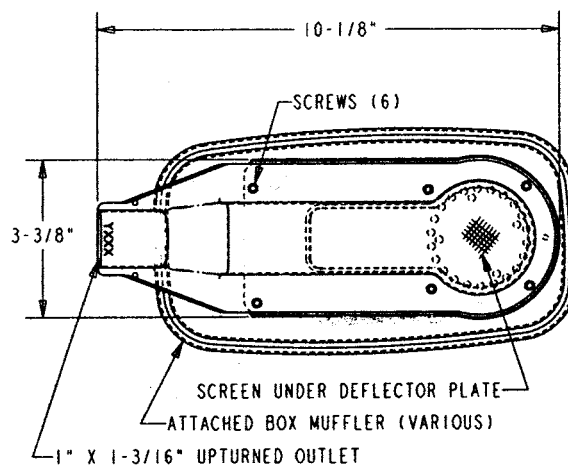
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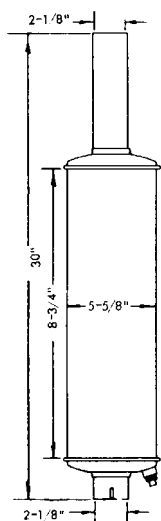
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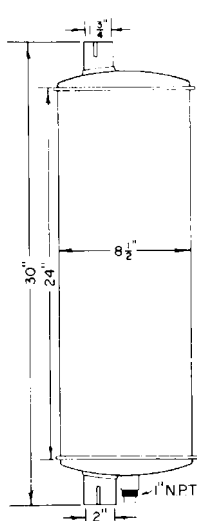
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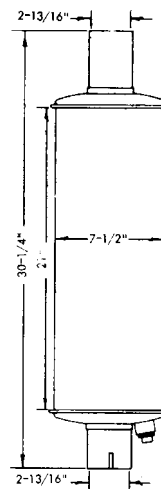
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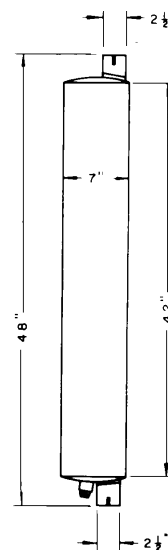
T-6277



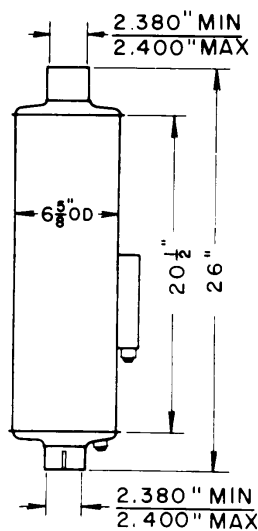
T-7033



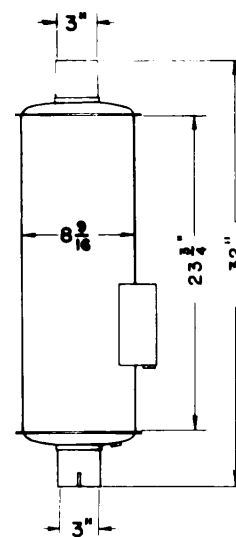
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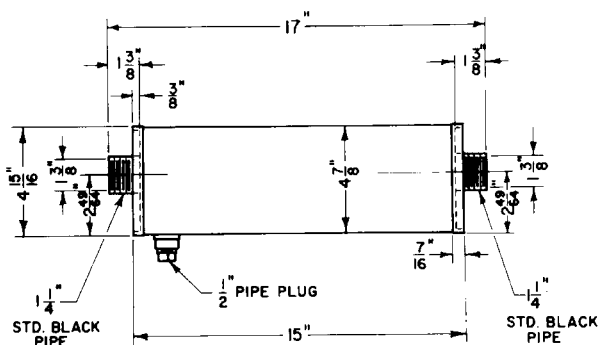
T-7515



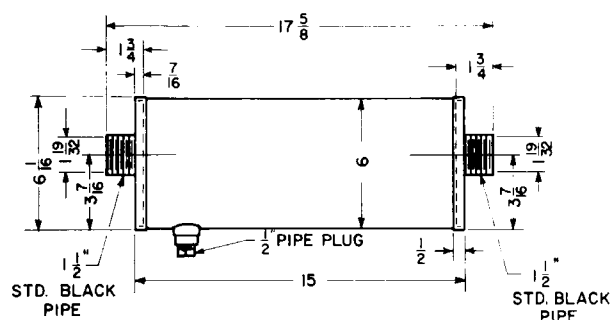
T-8680



T-8714



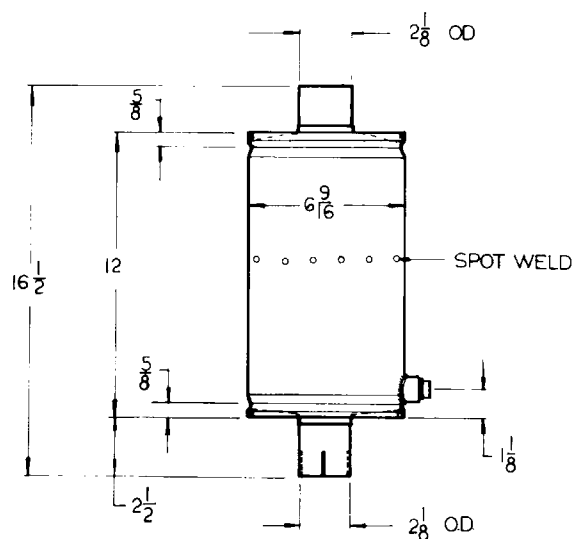
T-9098



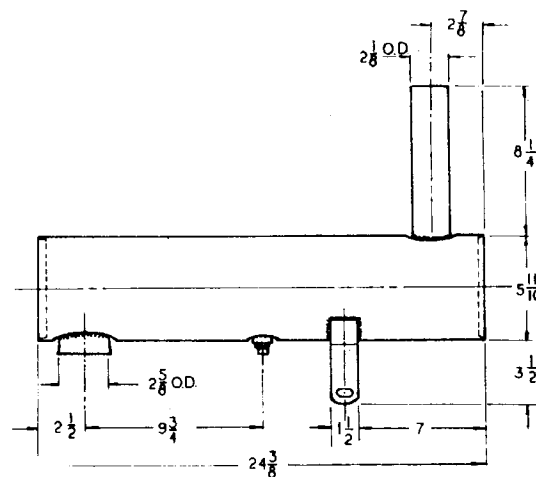
T-9099

NELSON

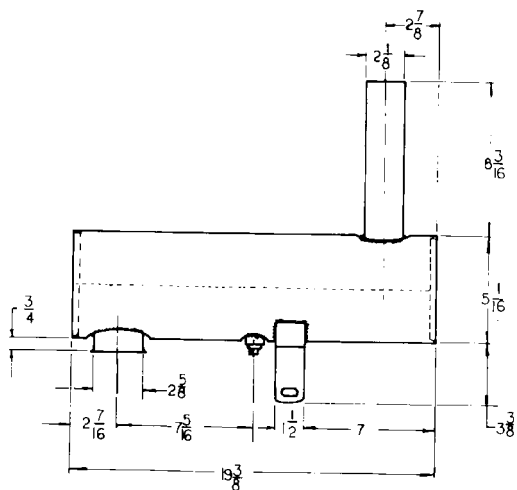
NELSON (continued)



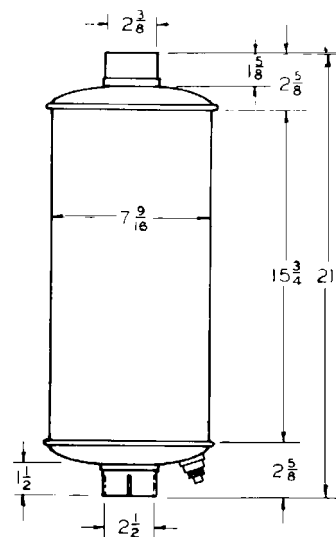
T-9213



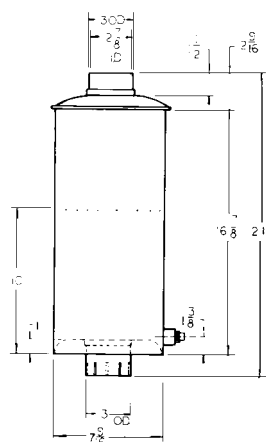
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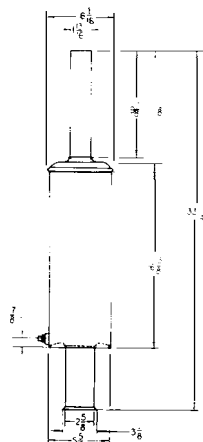
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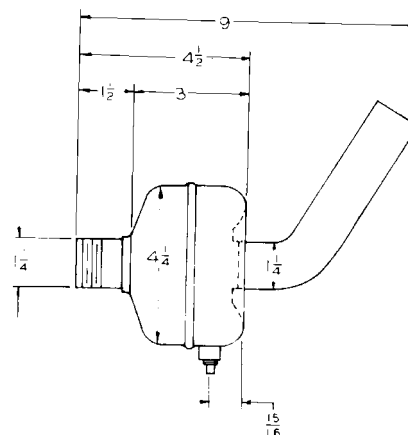
T-9304



T-9356



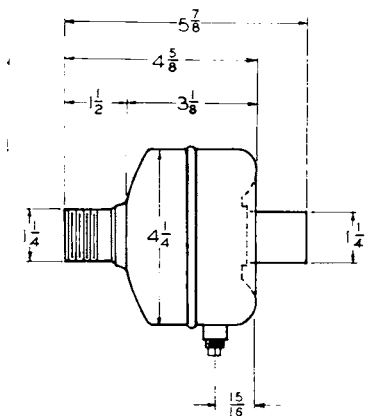
T-9370



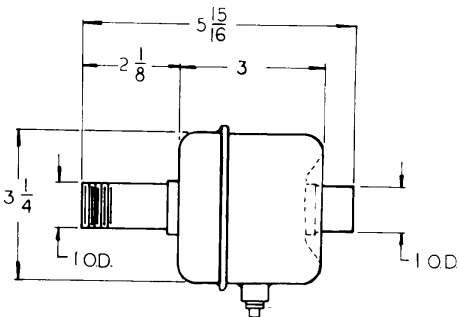
T-9457

NELSON

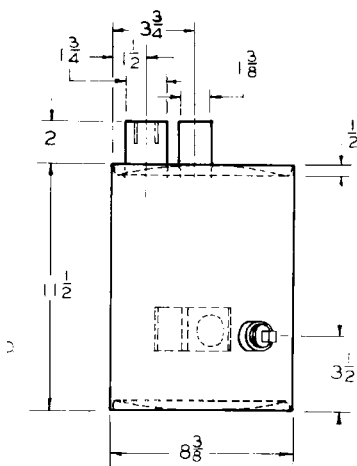
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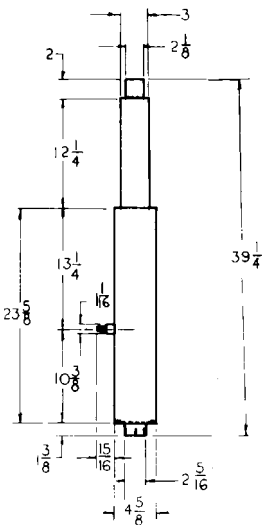
T-9458
49110



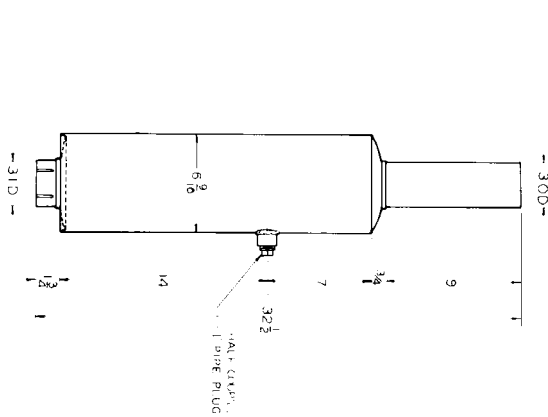
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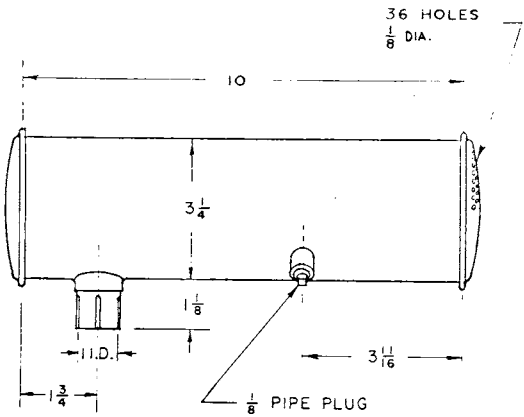
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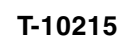
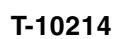
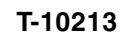
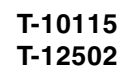
T-9605



T-9932

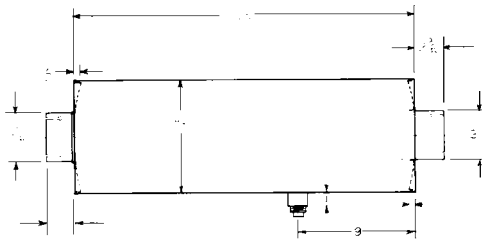


T-9995

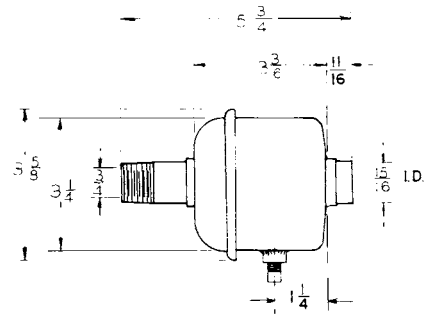
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NELSON

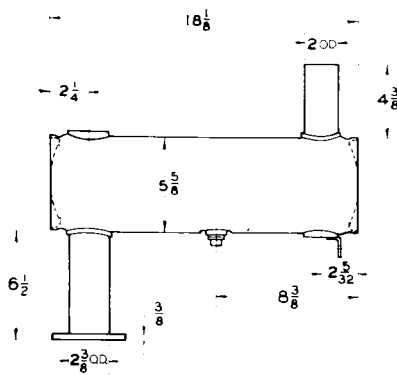
NELSON (continued)



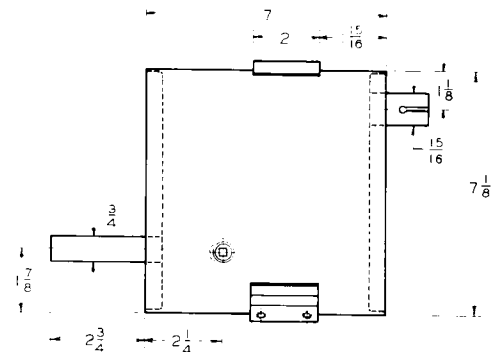
T-10244



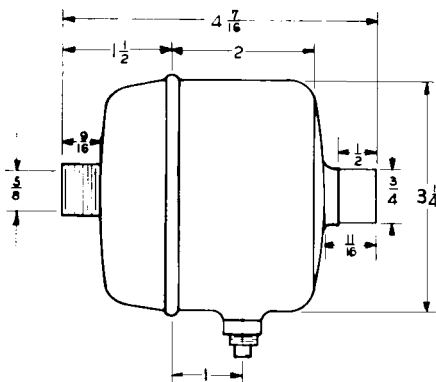
**T-10291
T-13944**



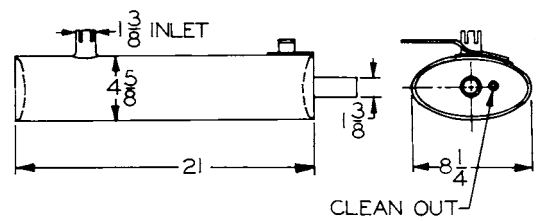
T-10374



T-10409



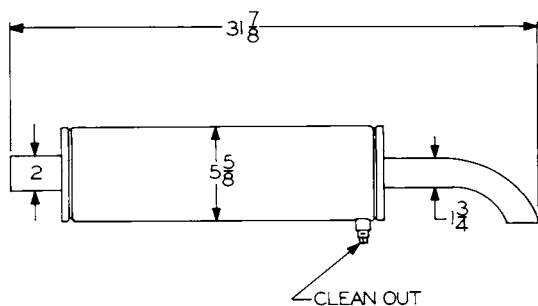
T-10705



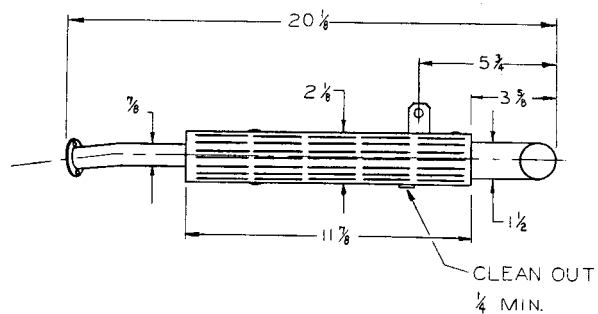
T-10792

NELSON

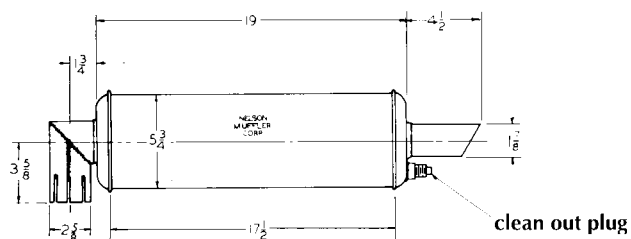
NELSON (continued)



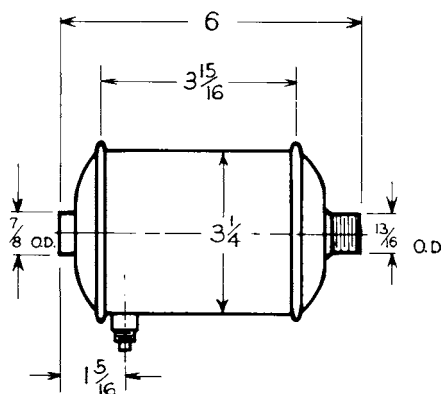
T-10860



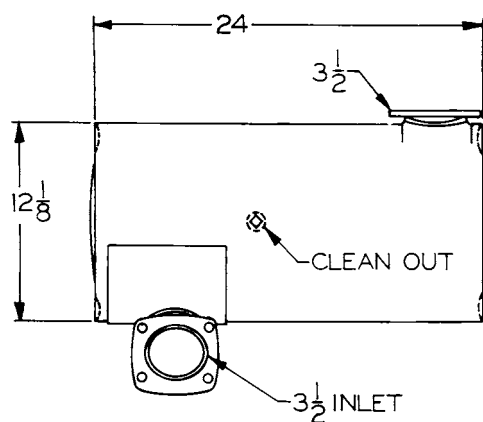
T-10895



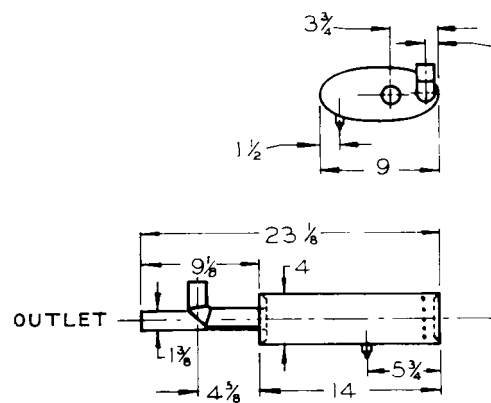
T-10897



T-10898



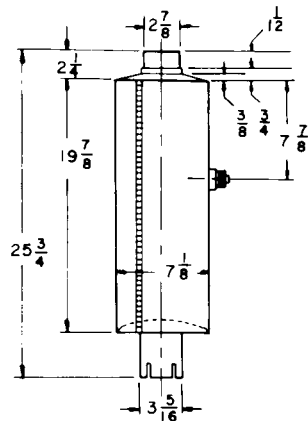
**T-10956
T-11842**



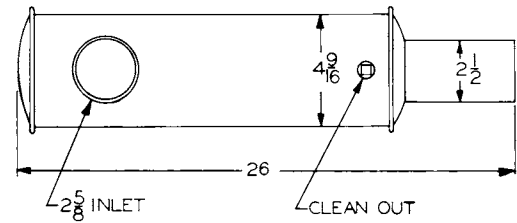
**T-11068C
T-11159**

NELSON

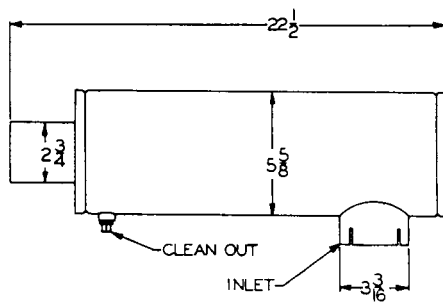
NELSON (continued)



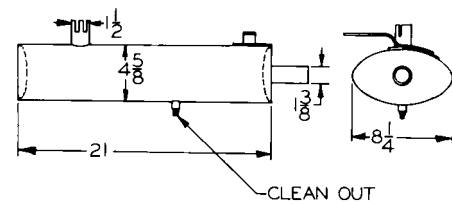
T-11145



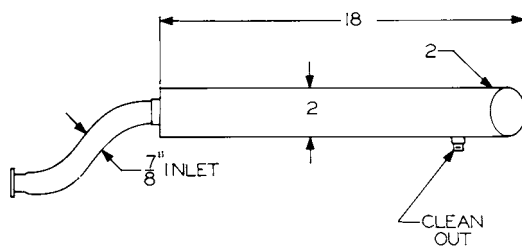
T-11336



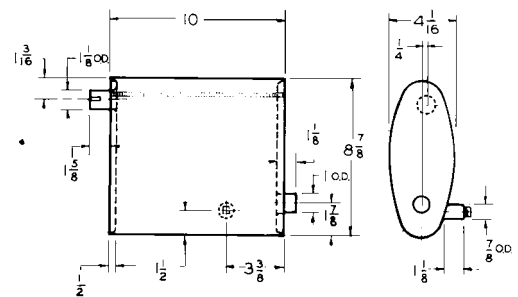
T-11337



T-11424



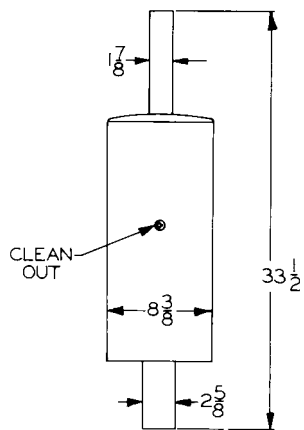
T-11601C



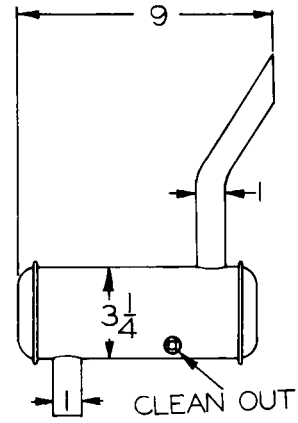
T-11606

NELSON

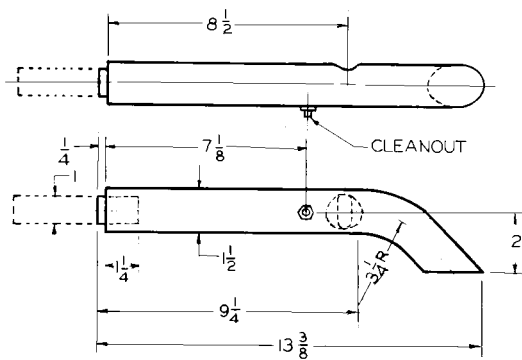
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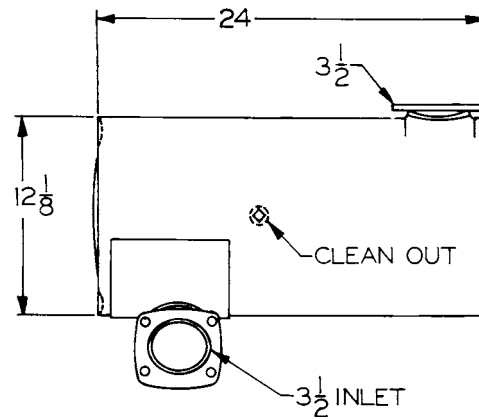
T-11668



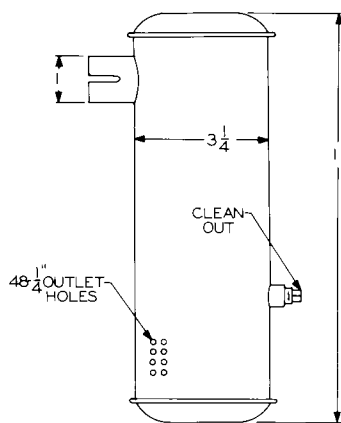
T-11708
(P•N NMC-T-11892)



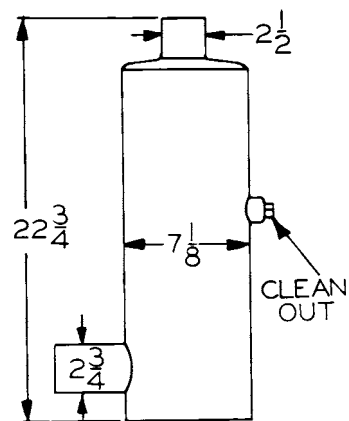
T-1173H



T-11842
T-10956



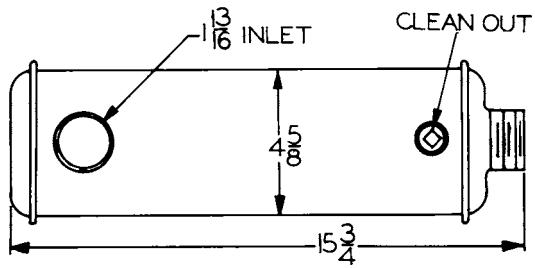
T-11915



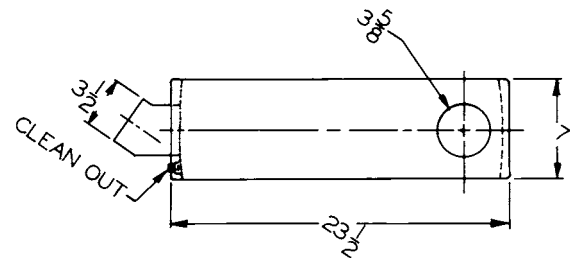
T-11927

NELSON

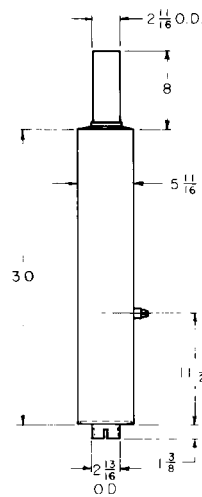
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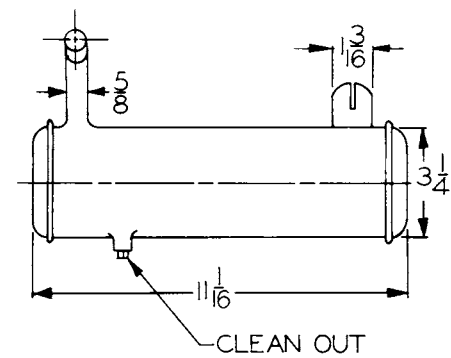
T-11976



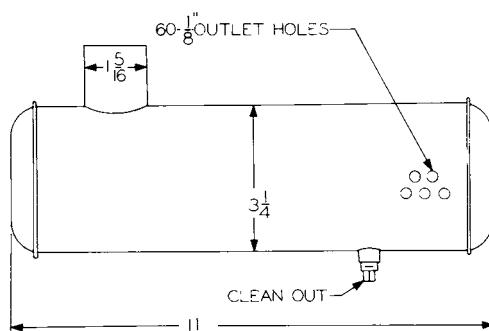
T-12499



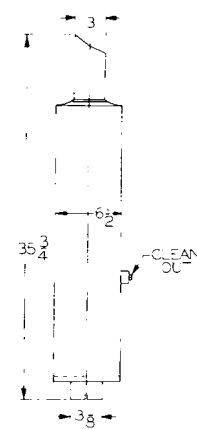
T-12502
T-10115



T-12760B



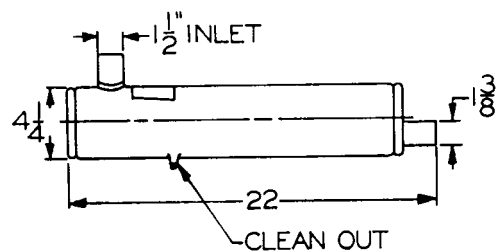
T-12761



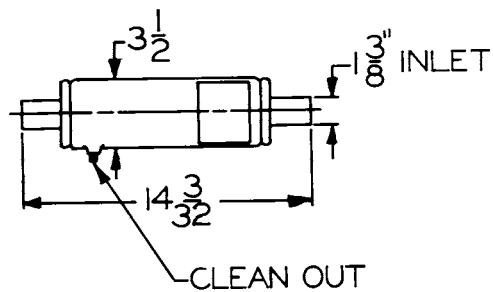
T-12818

NELSON

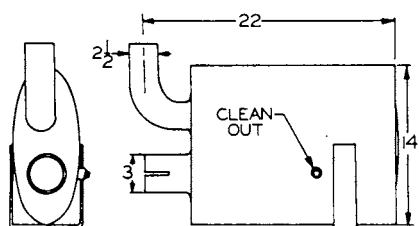
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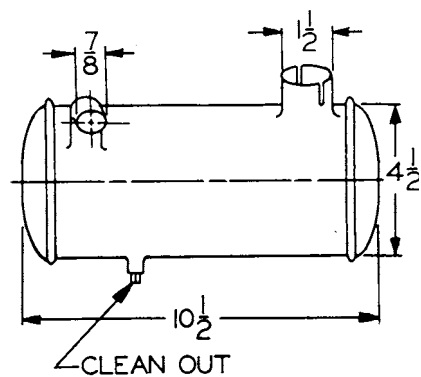
T-12825F



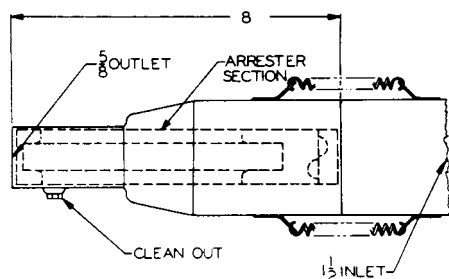
T-12863



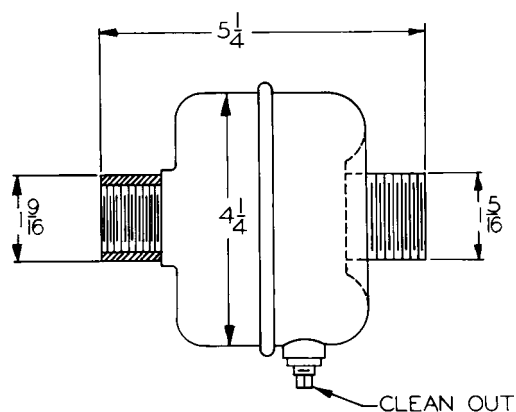
T-13109



T-13265



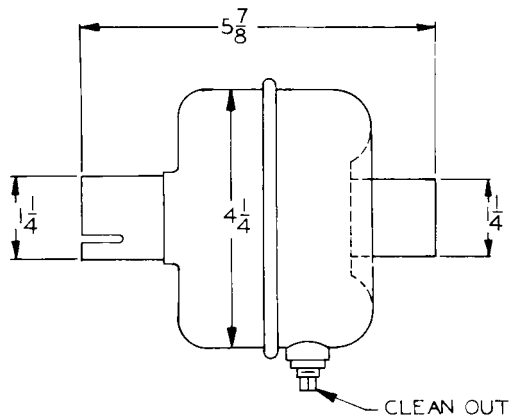
T-13300



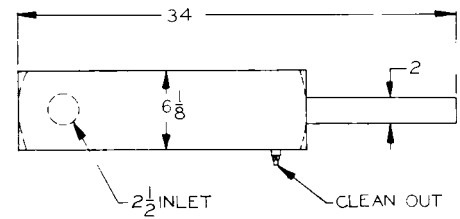
T-13304

NELSON

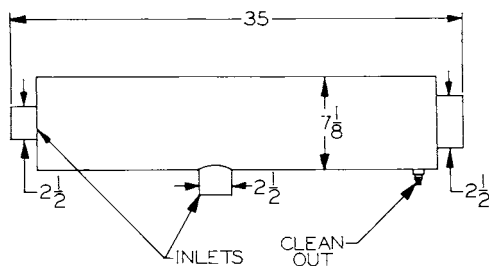
NELSON (continued)



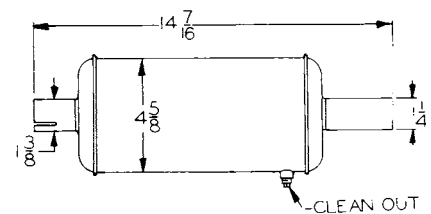
T-13376



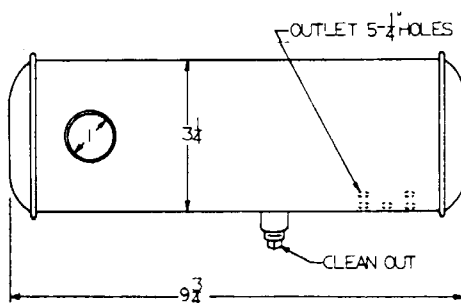
T-13473



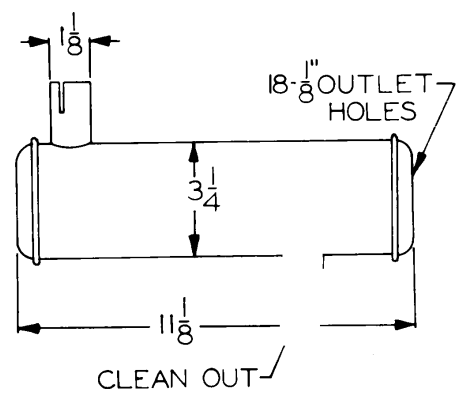
T-13502



T-13529



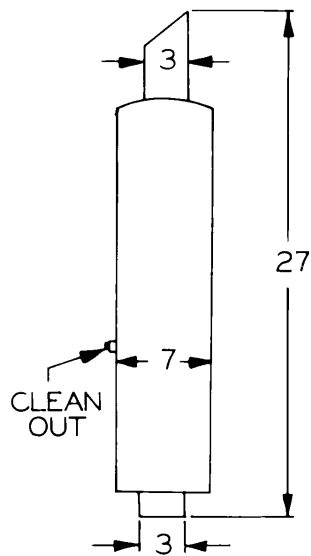
T-13559



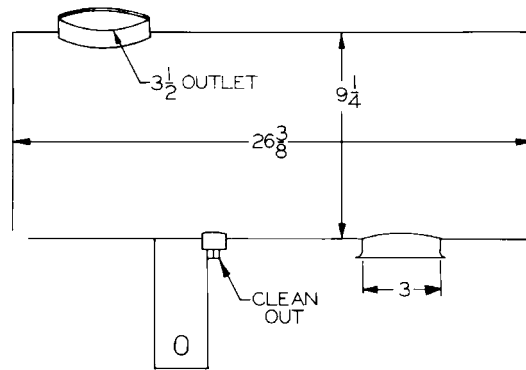
T-13572

NELSON

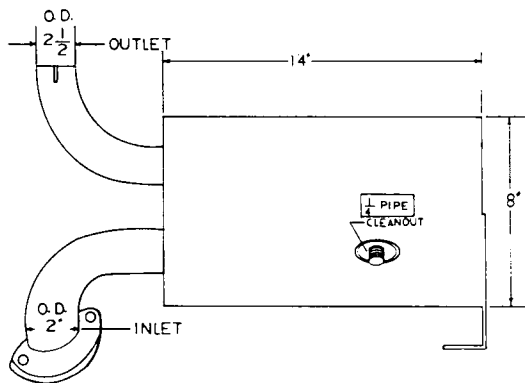
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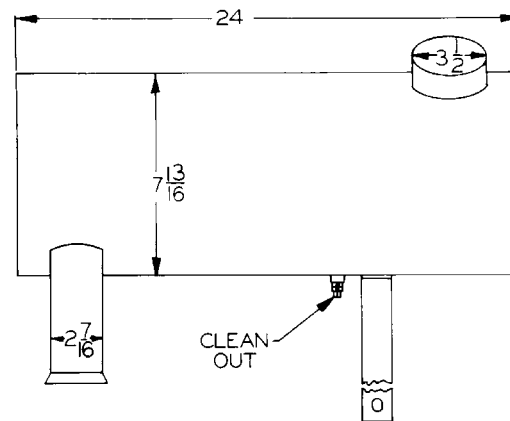
T-13651



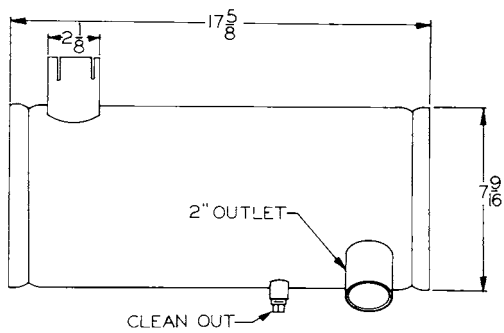
T-13716



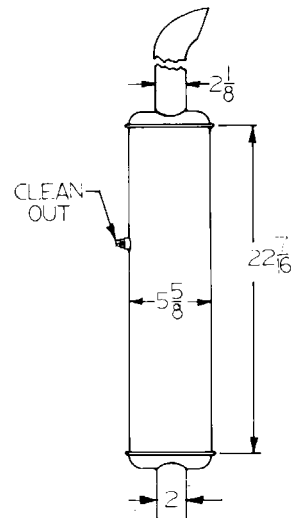
T-13846



T-13919



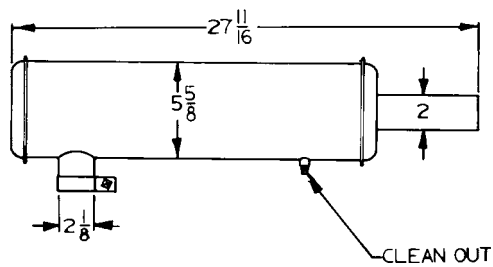
T-13933



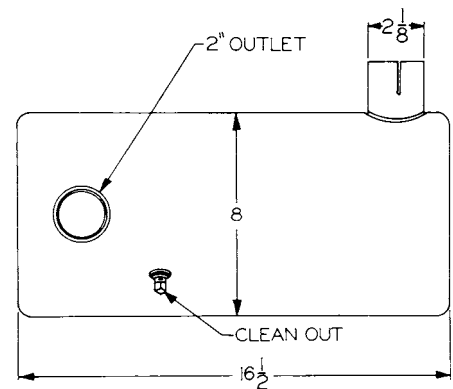
T-13934

NELSON

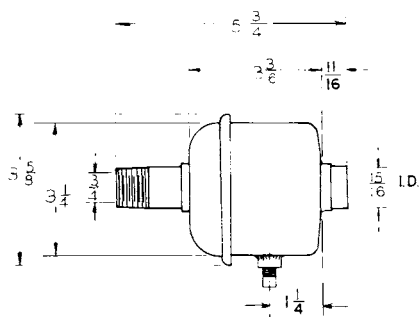
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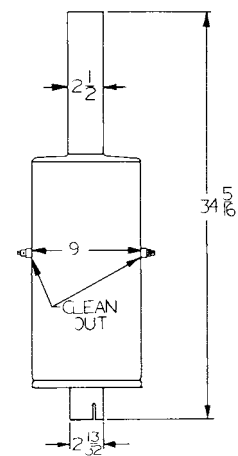
T-13935



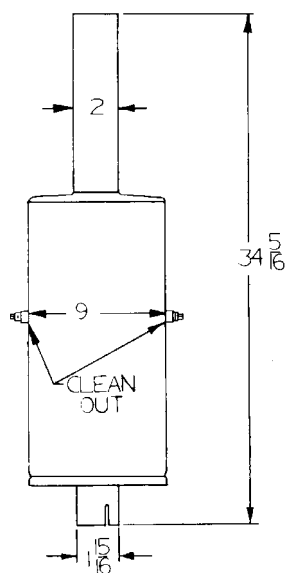
T-13940



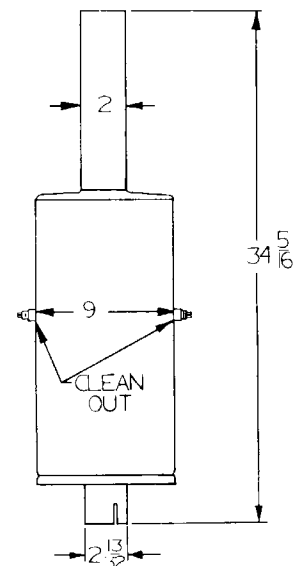
**T-13944
T-10291**



T-13977



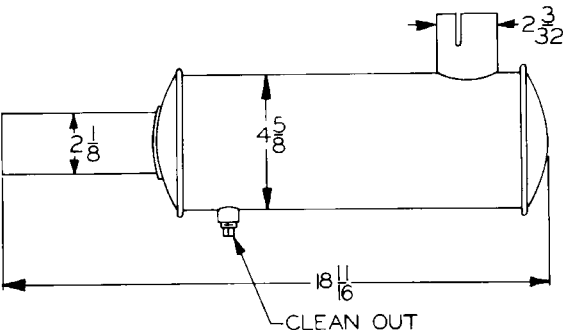
T-13978



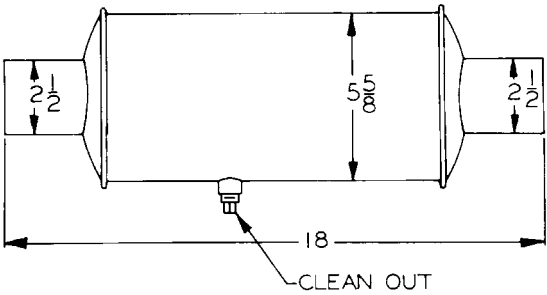
T-13979

NELSON

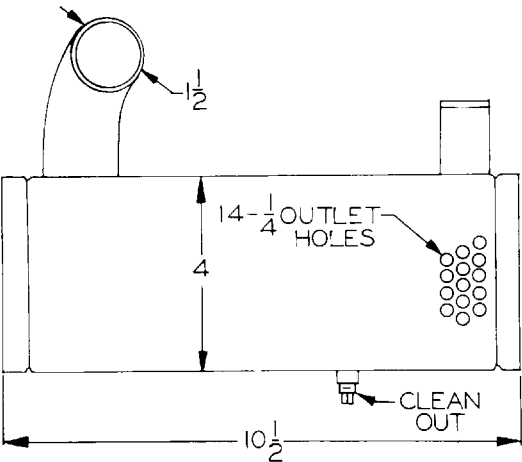
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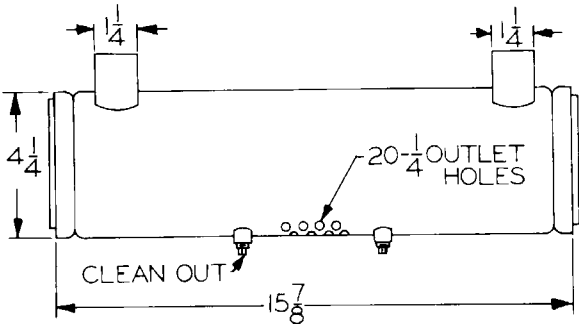
T-13994



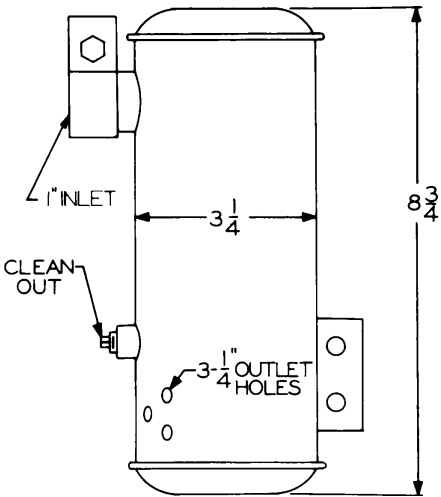
T-13995



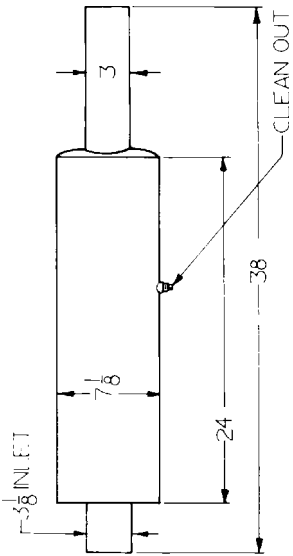
T-13999



T-14000



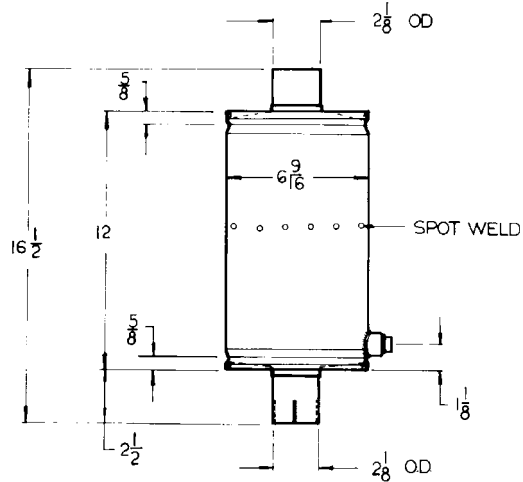
T-14002



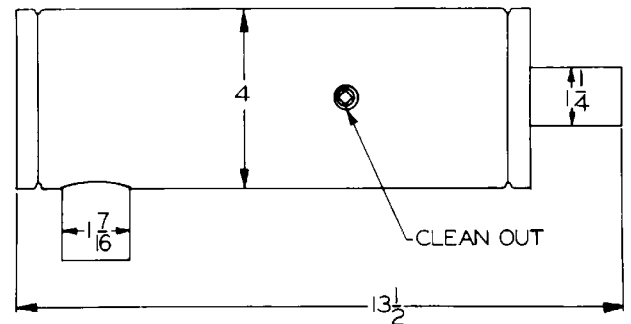
T-14005

NELSON

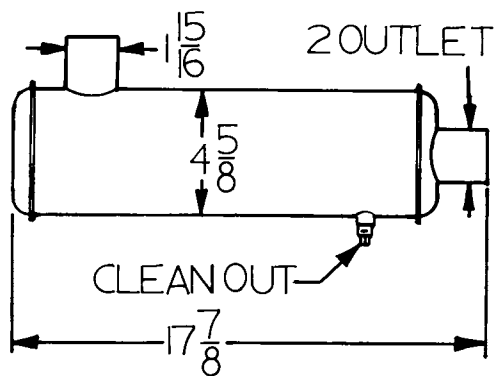
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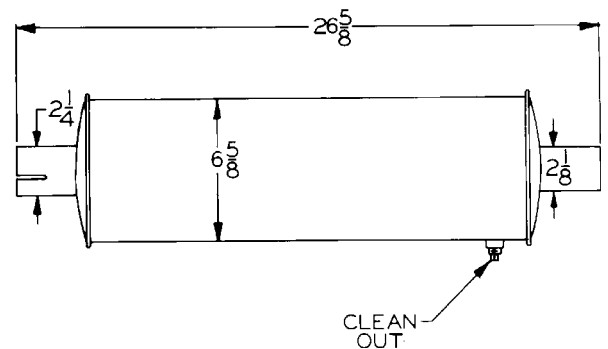
**T-14066
T-9213**



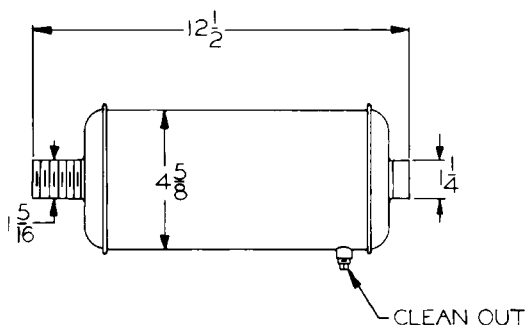
T-14090



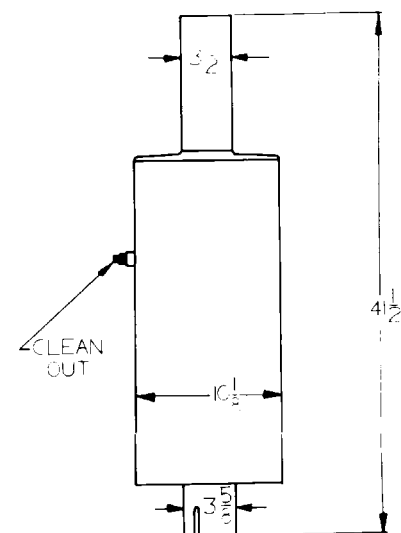
T-14099



T-14105



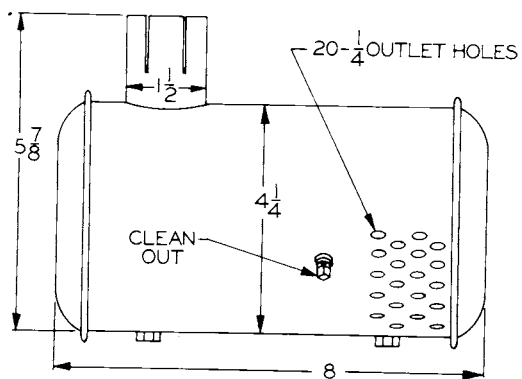
T-14106



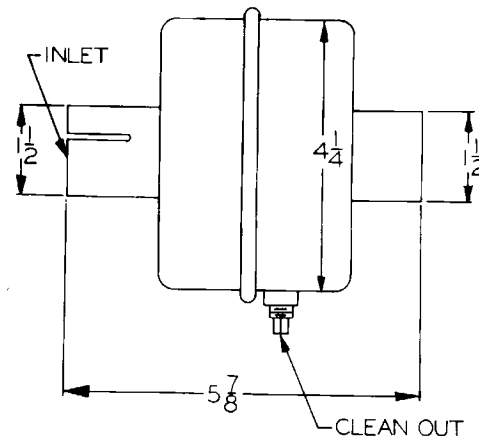
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NELSON

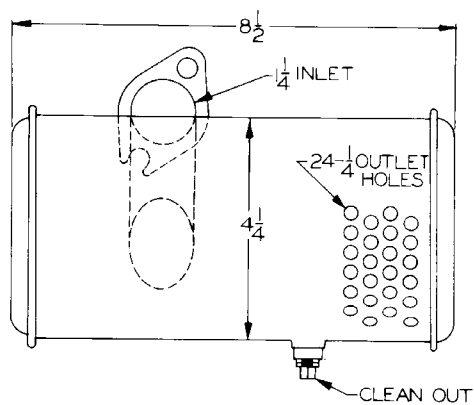
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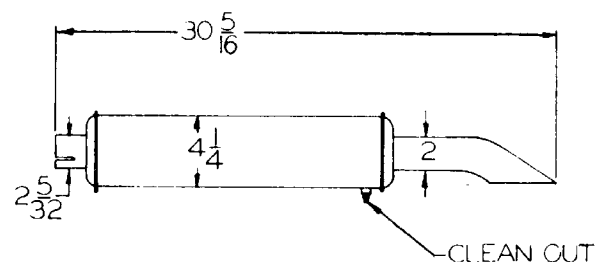
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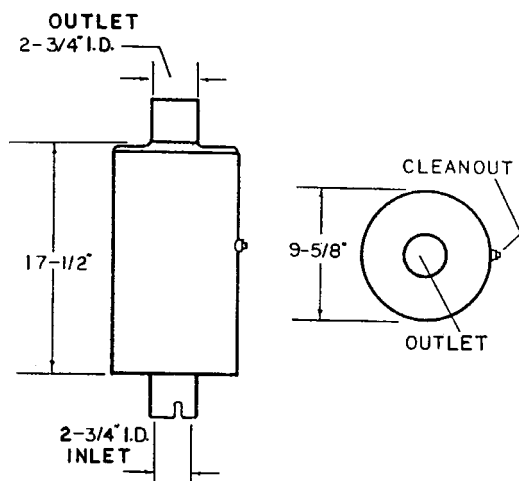
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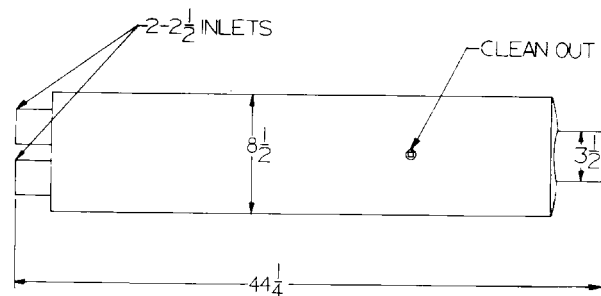
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T-14217



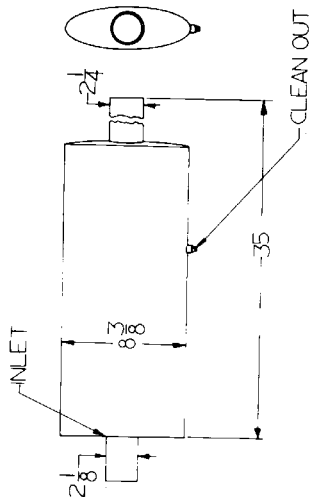
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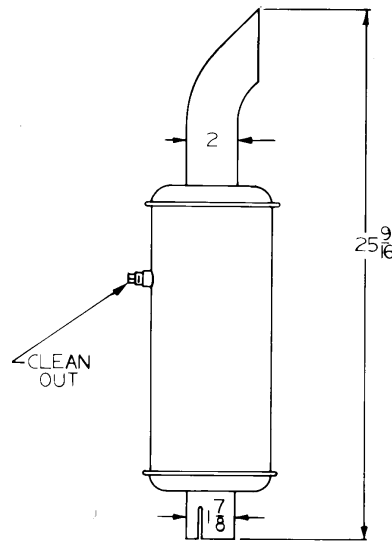
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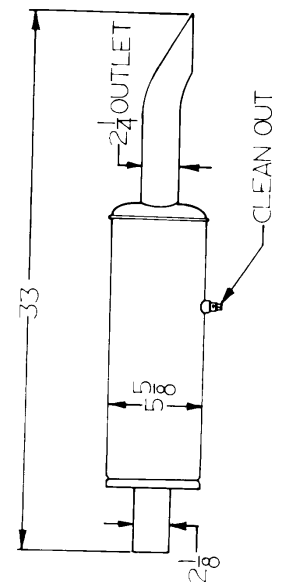
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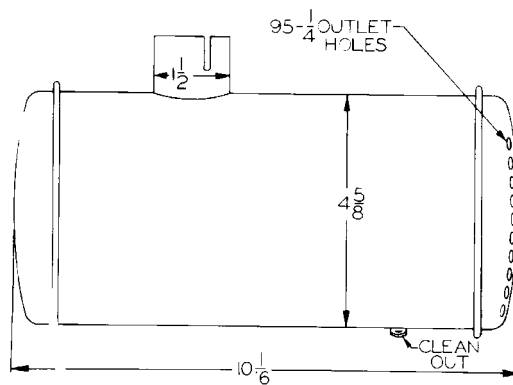
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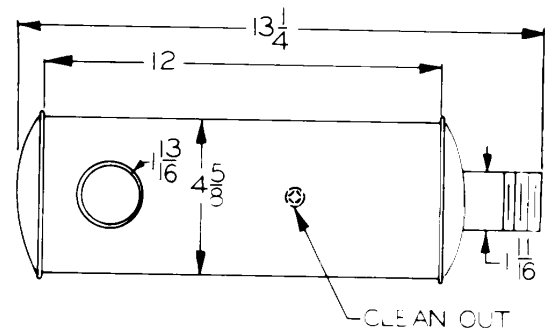
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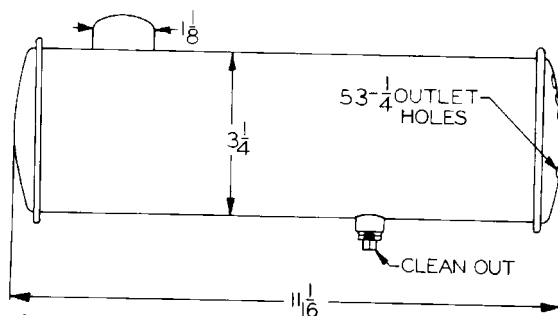
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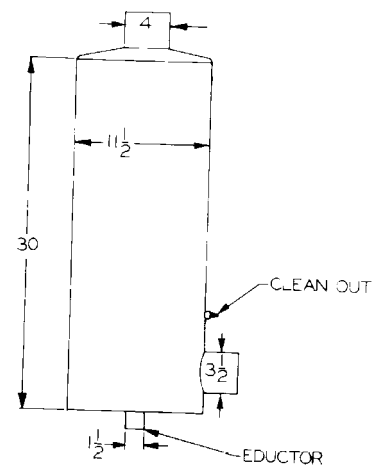
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T-14316



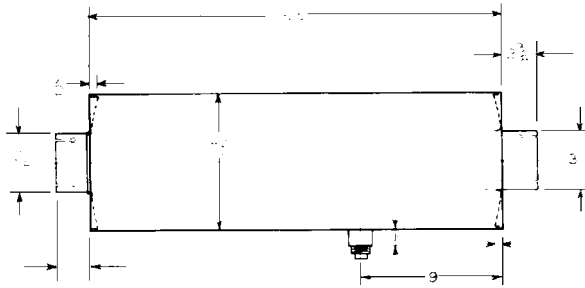
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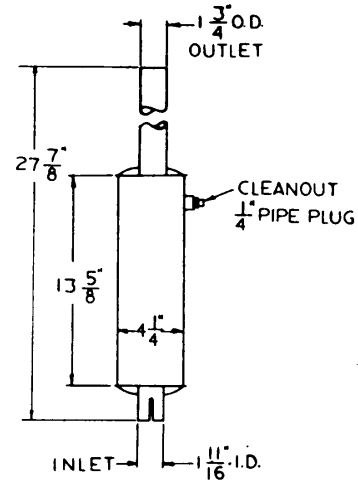
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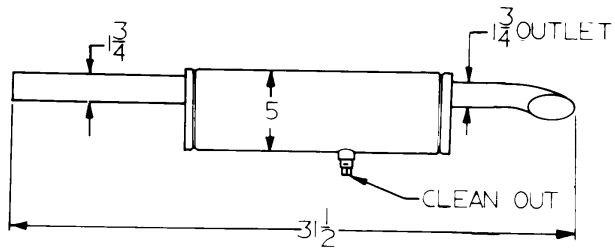
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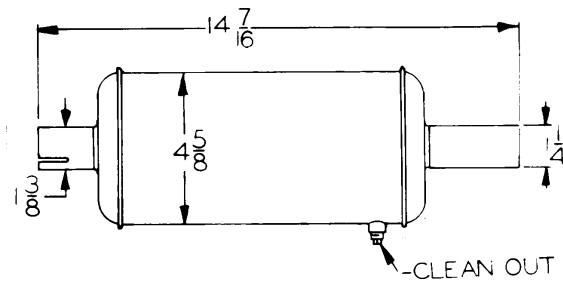
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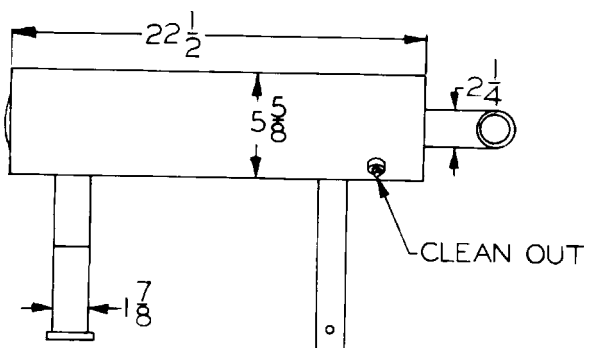
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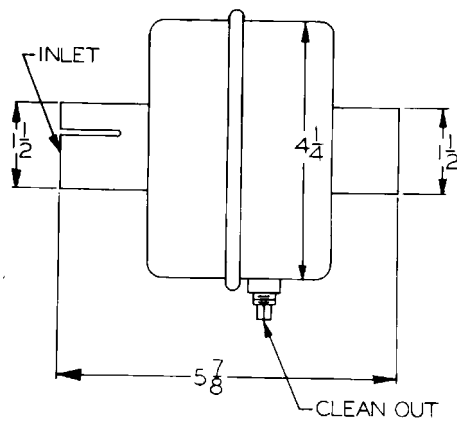
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T-13529



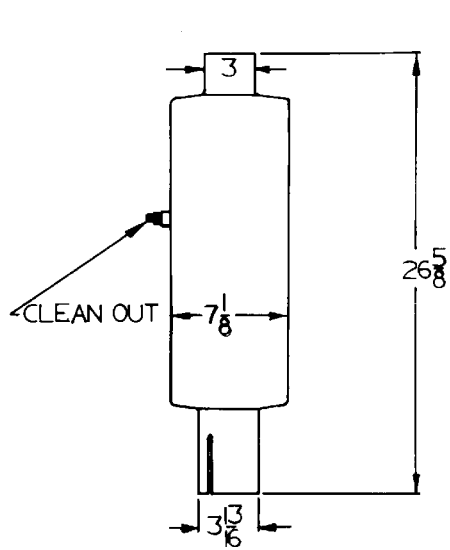
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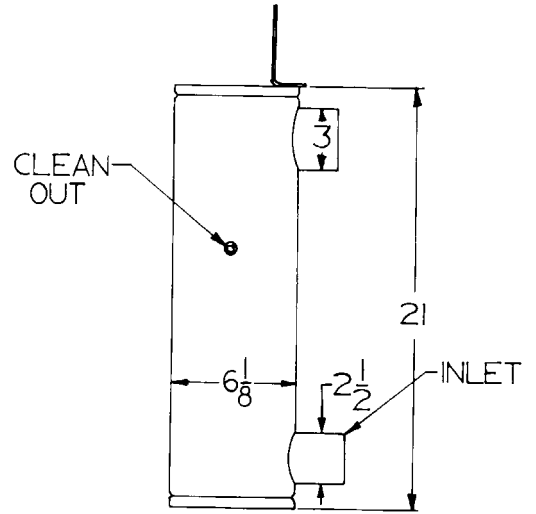
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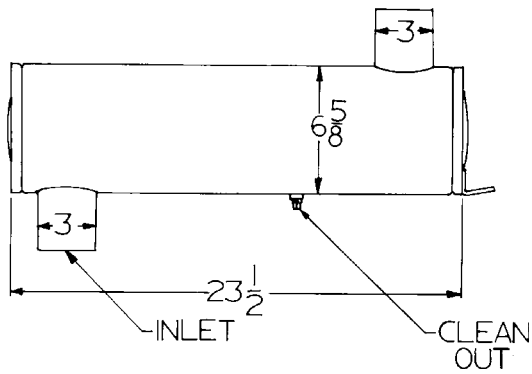
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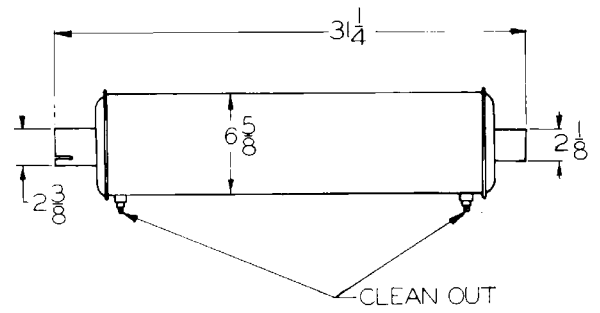
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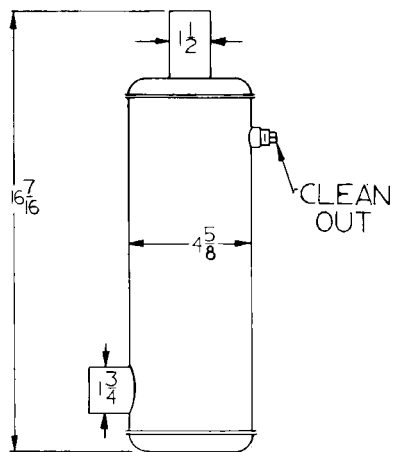
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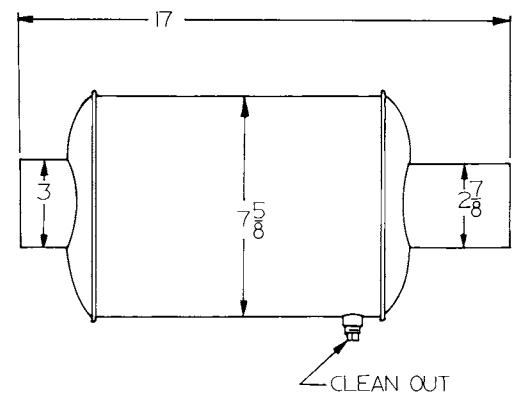
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T-14671



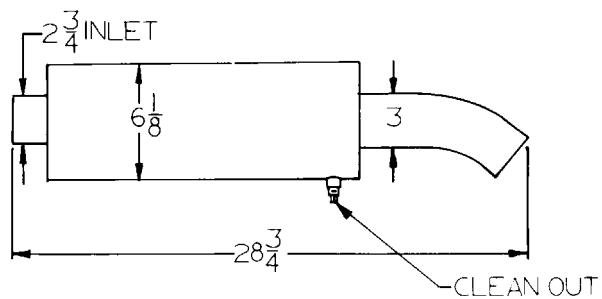
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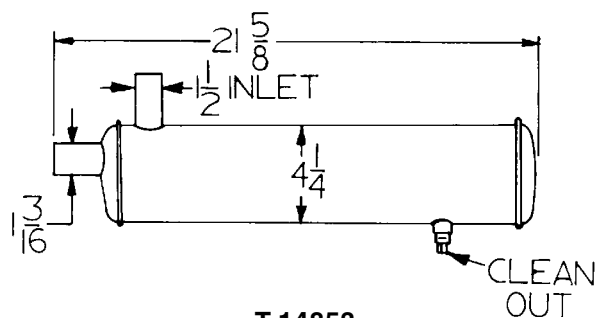
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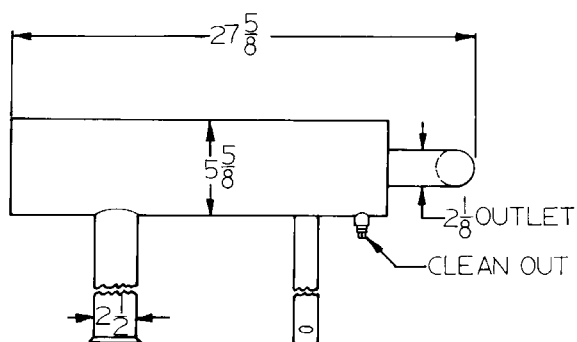
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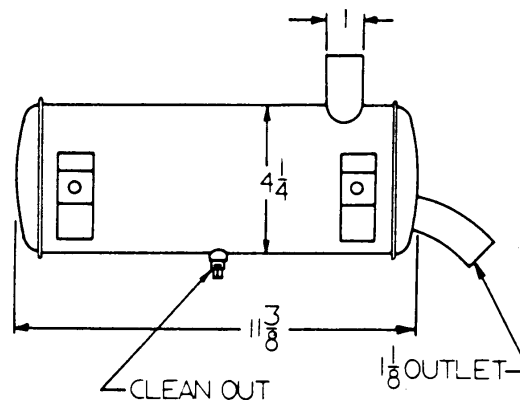
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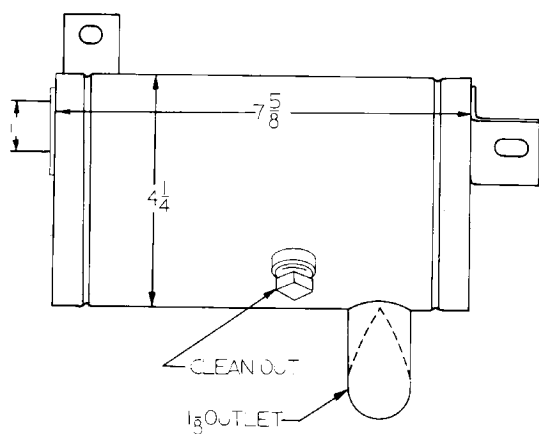
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ONAN 155-1485



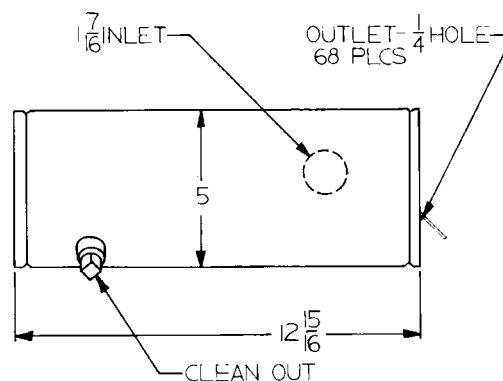
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T-15077



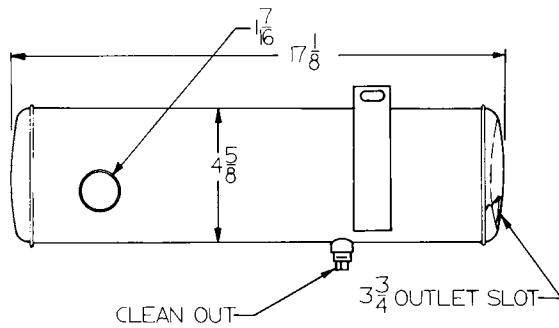
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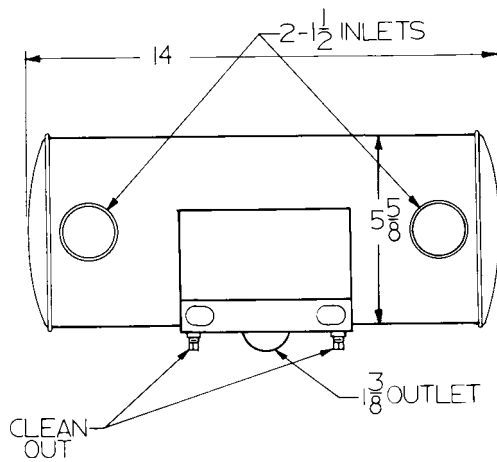
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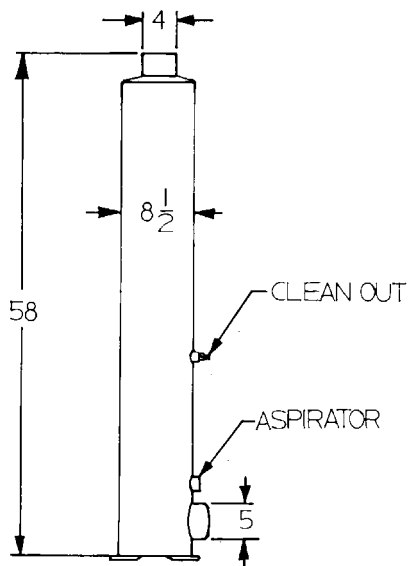
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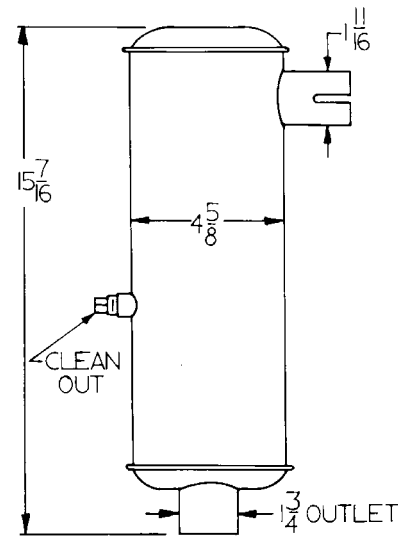
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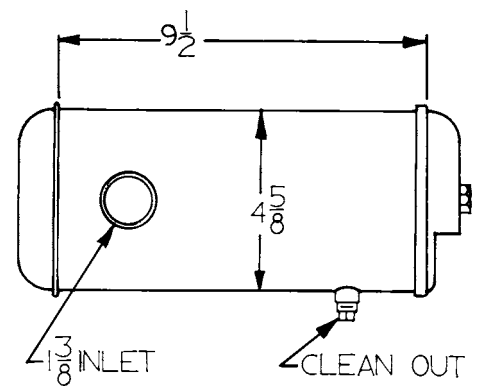
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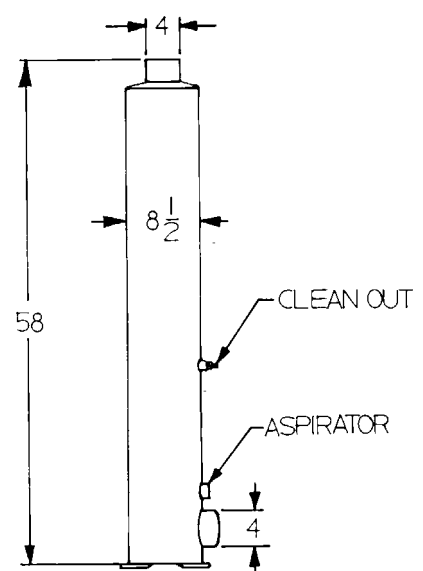
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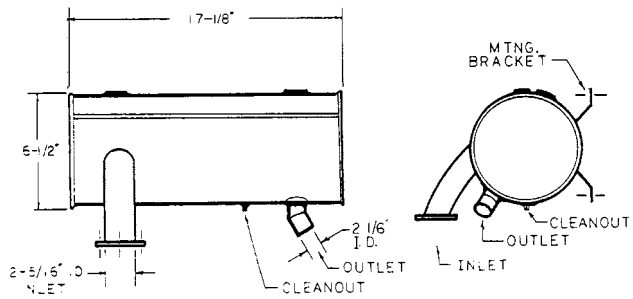
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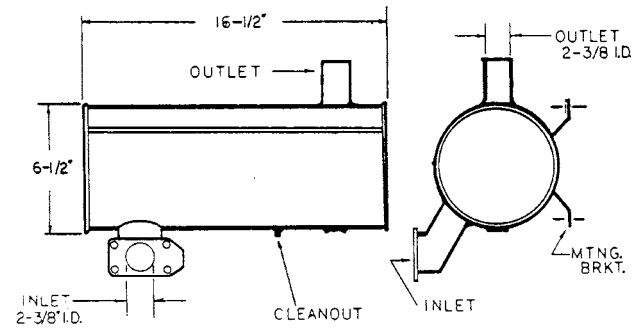
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NELSON-BURGESS

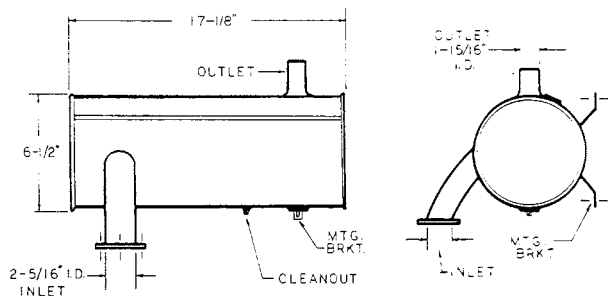
NELSON-BURGESS



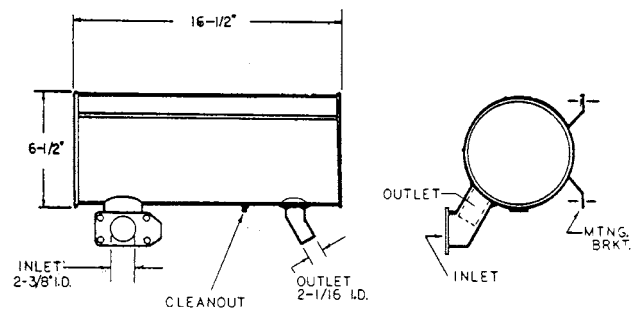
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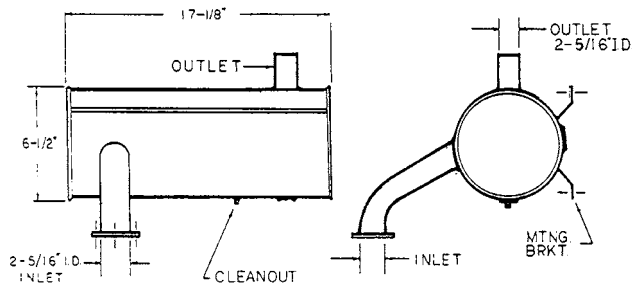
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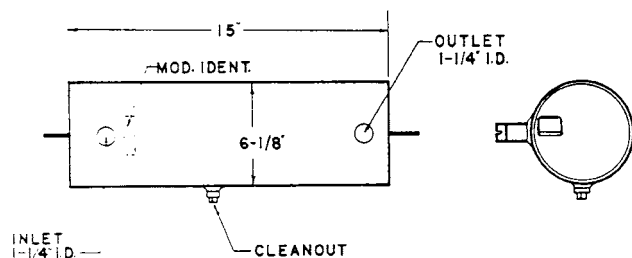
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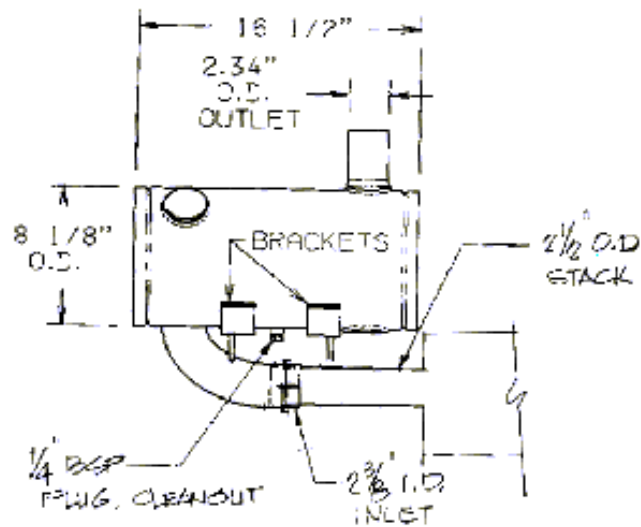
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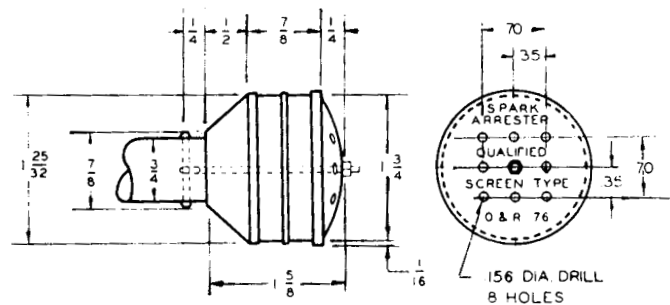
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NELSON-BURGESS (continued)



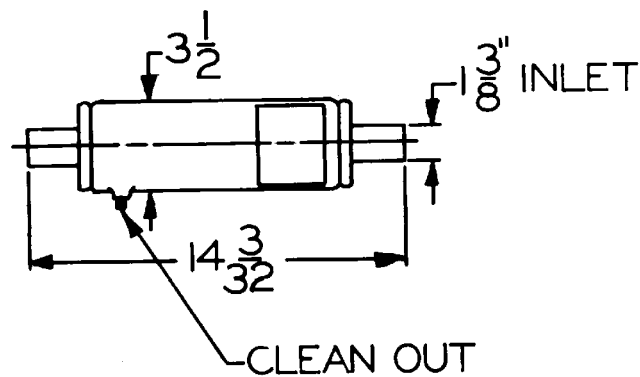
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O & R

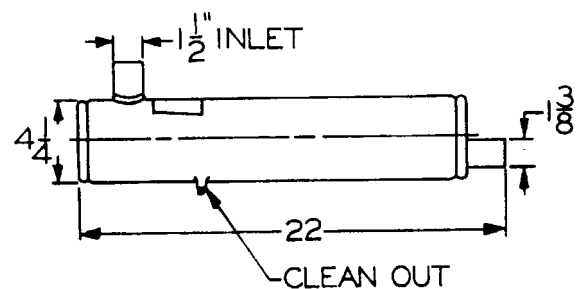


O&R 76

ONAN



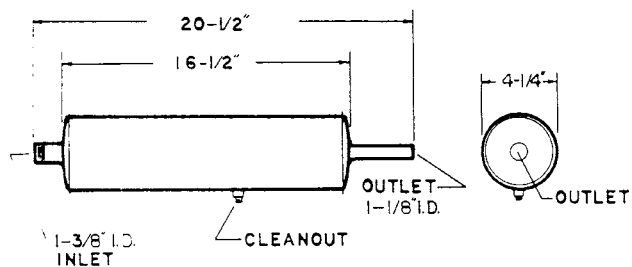
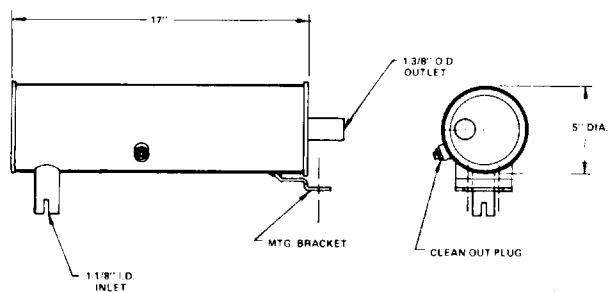
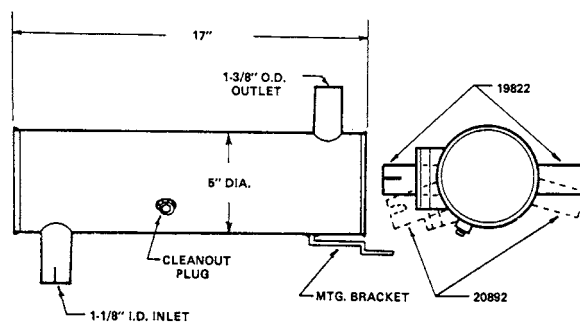
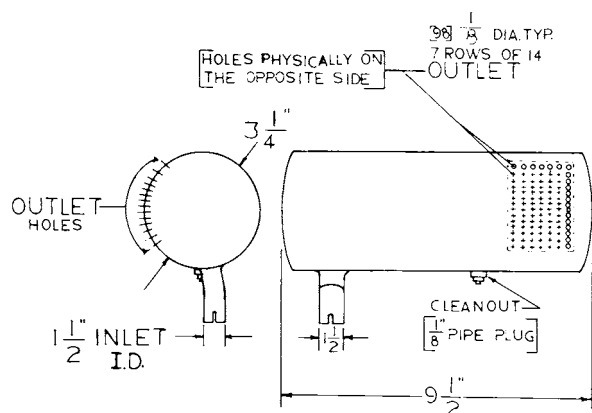
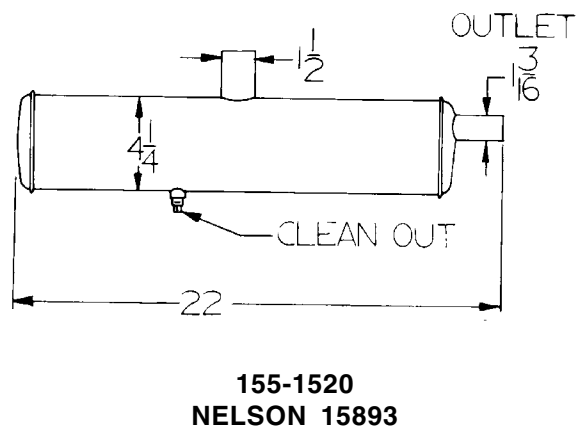
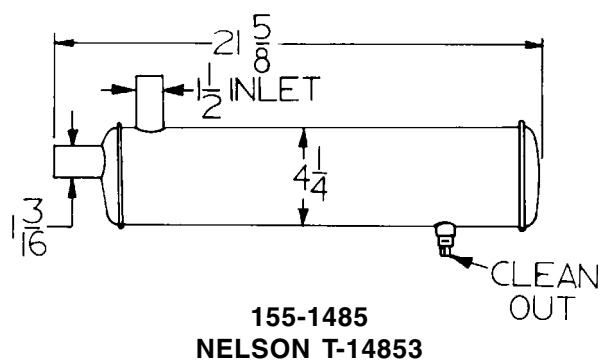
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155-1258
NELSON T-12825F

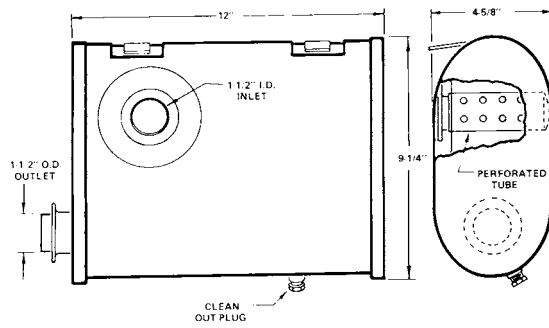
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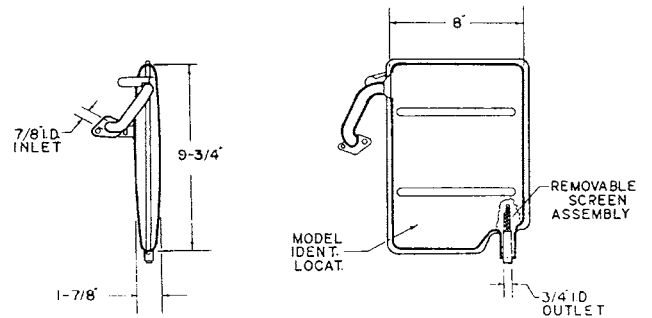


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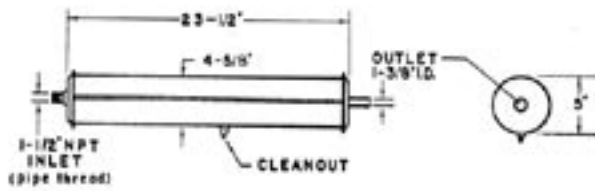
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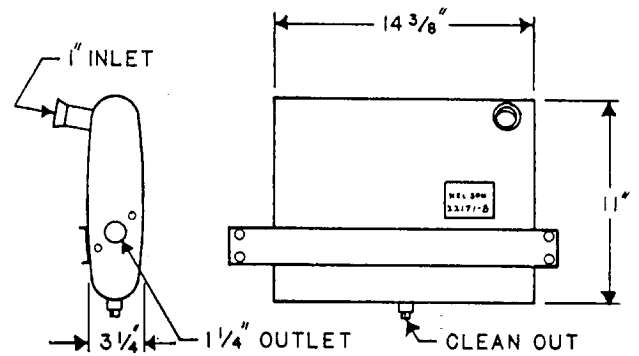
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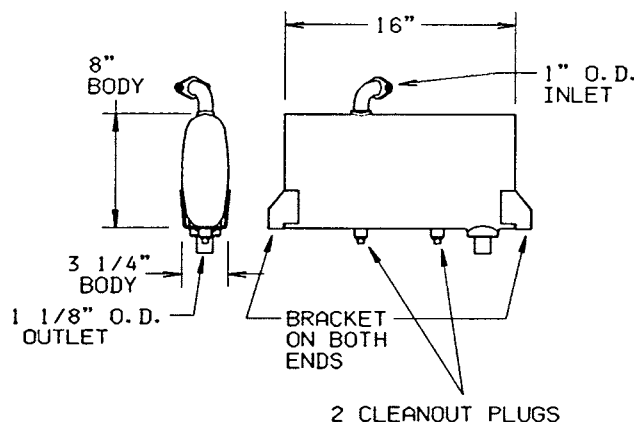
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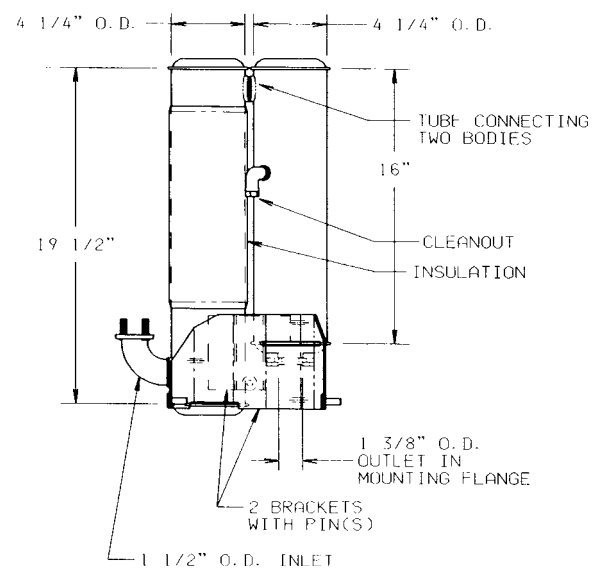
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155-2416
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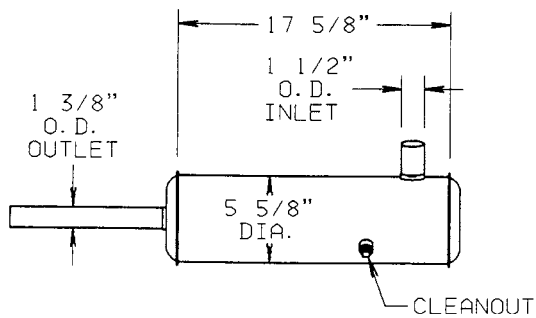
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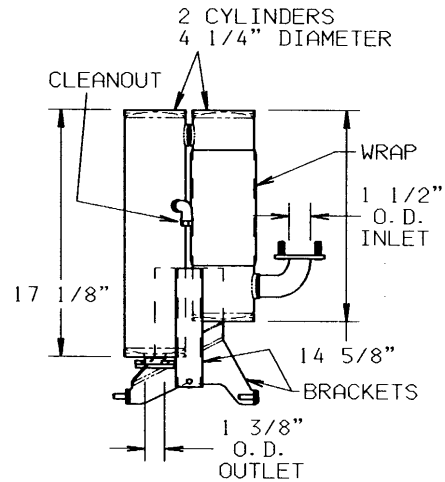
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ONAN•PERFORMANCE SPECIALTIES•PHILLIPS & TEMRO

ONAN (continued)



155-2951
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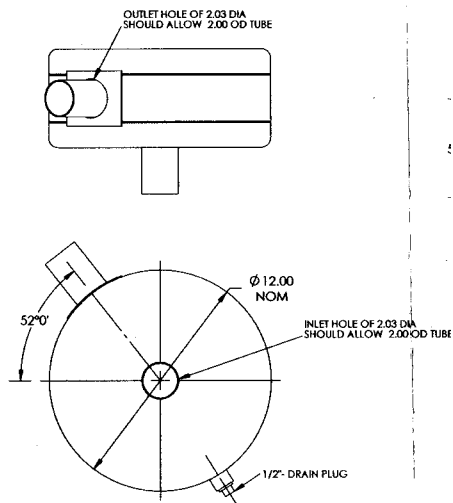
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PERFORMANCE SPECIALTIES

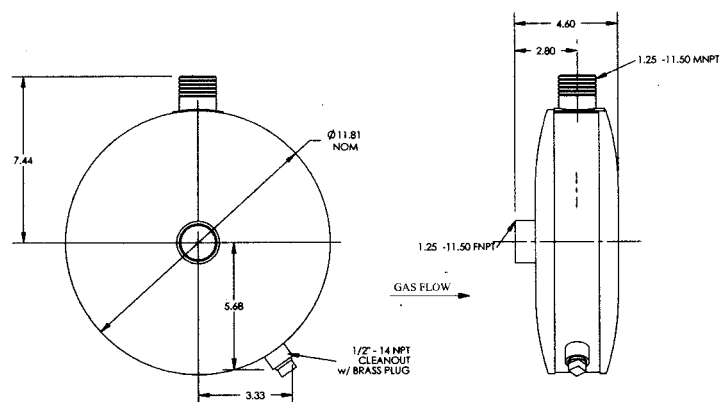


DG 01

PHILLIPS & TEMRO



MDSA-20

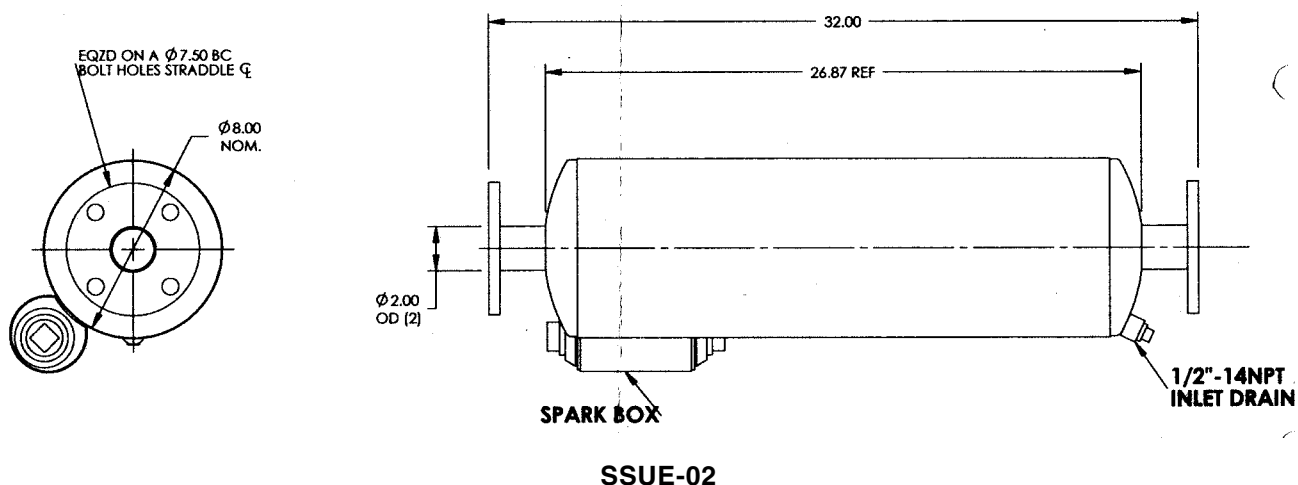


MDSA-125

USDA# MDSA-125

PHILLIPS & TEMRO•PKM•POLARIS

PHILLIPS & TEMRO (continued)

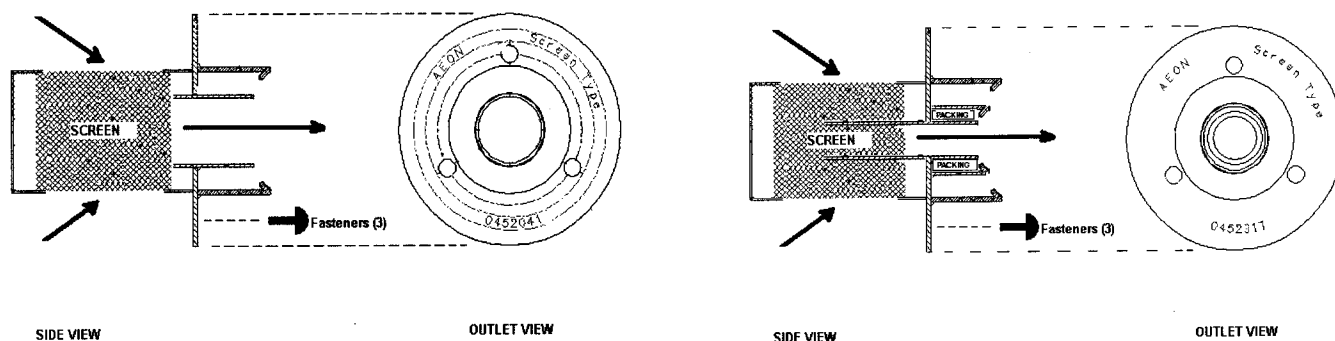


PKM

No diagrams available:

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

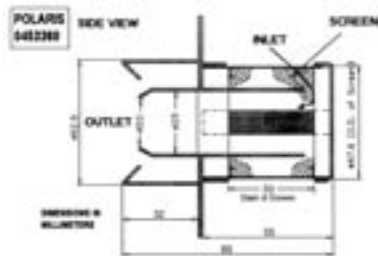
POLARIS



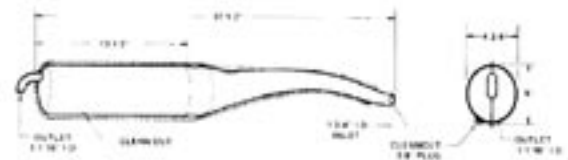
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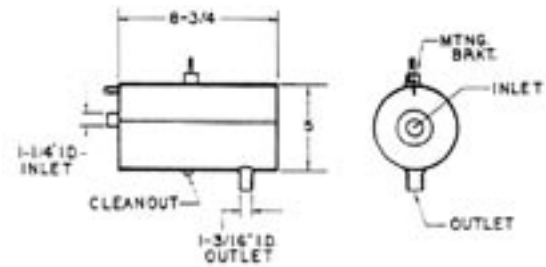
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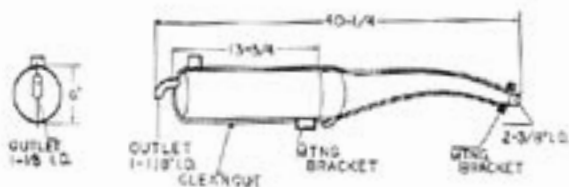
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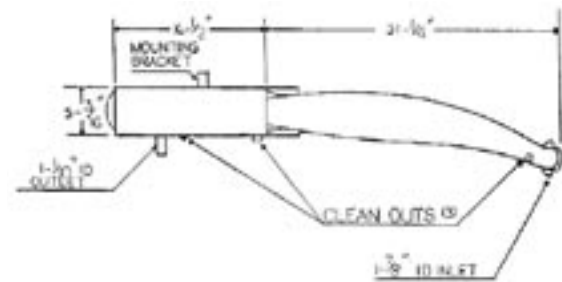
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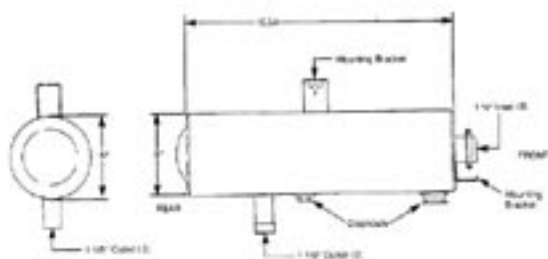
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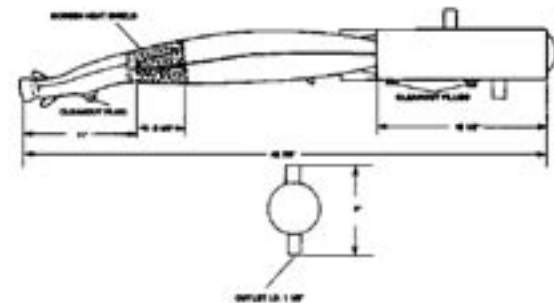
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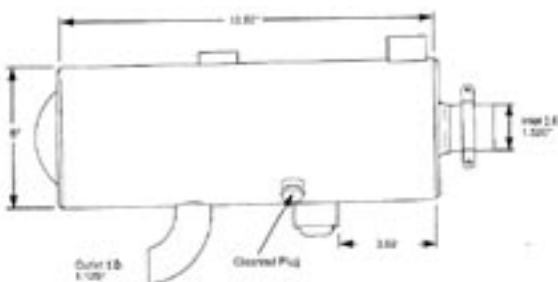
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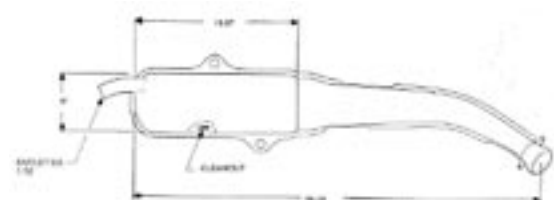
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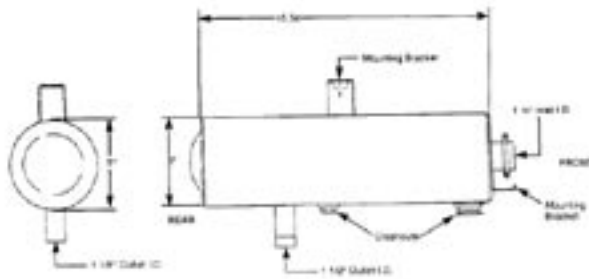
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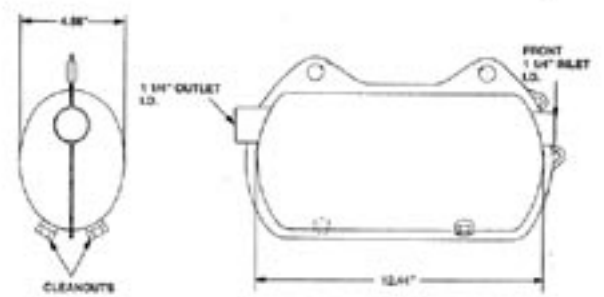
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POLARIS

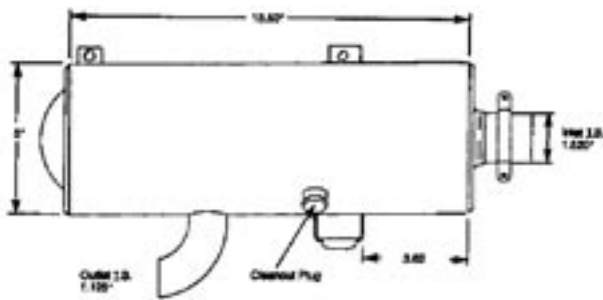
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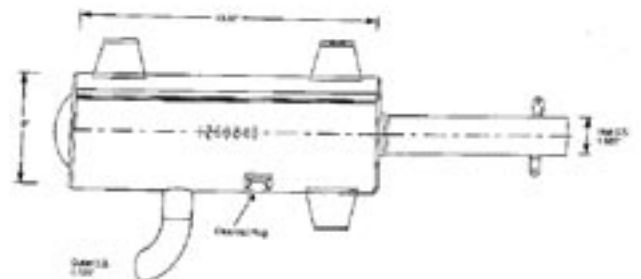
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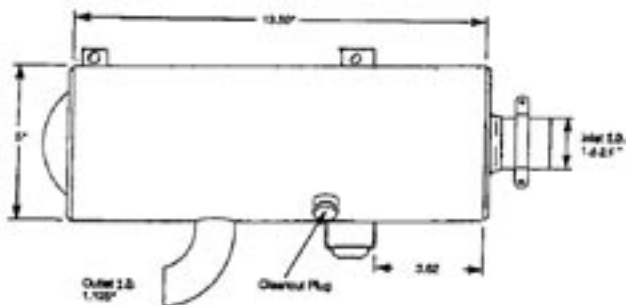
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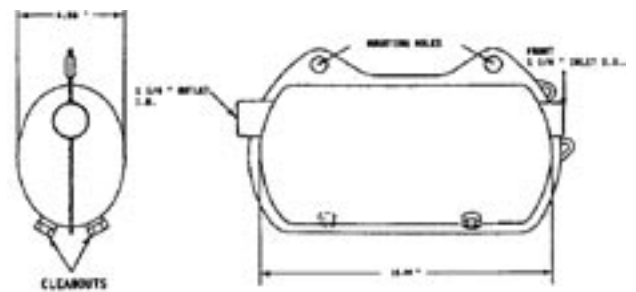
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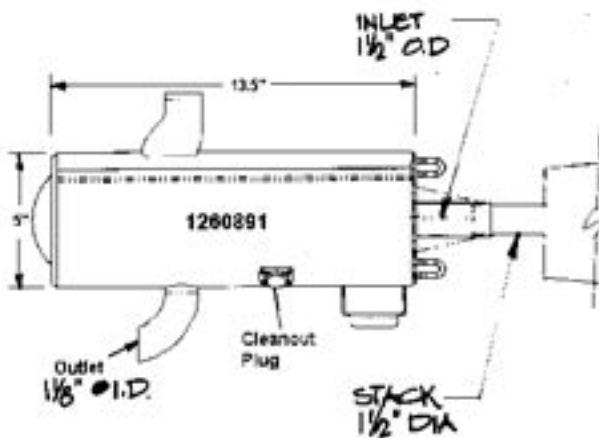
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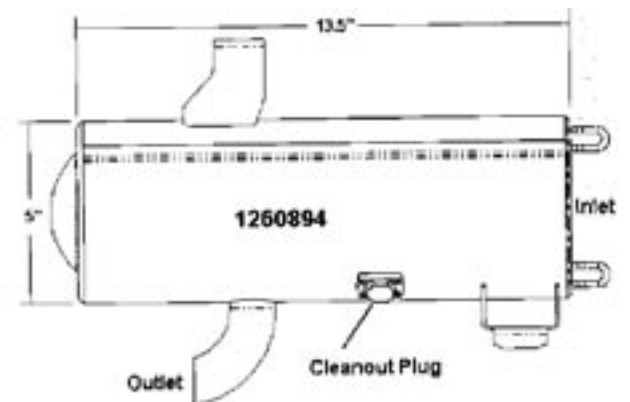
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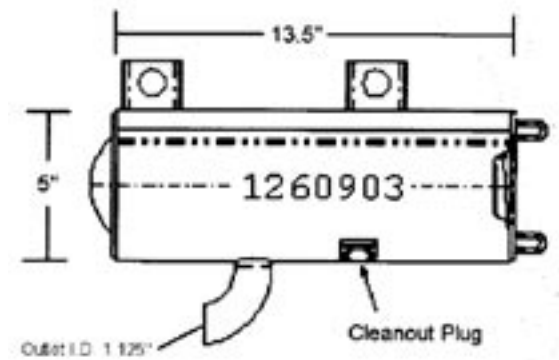
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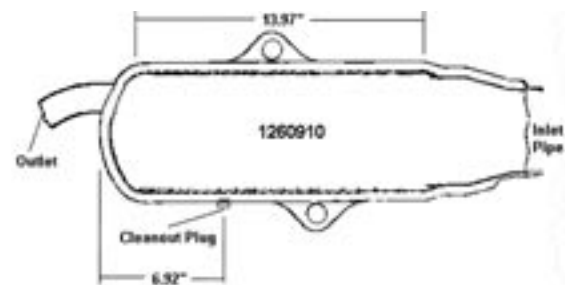
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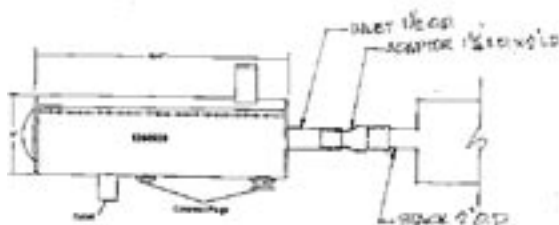
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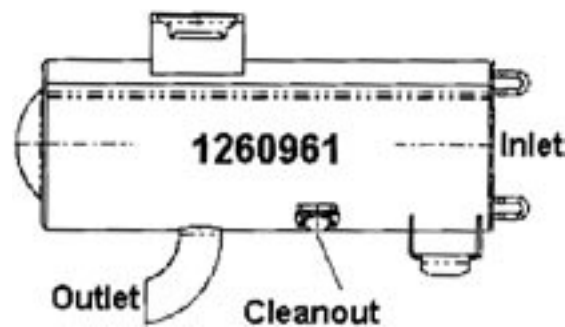
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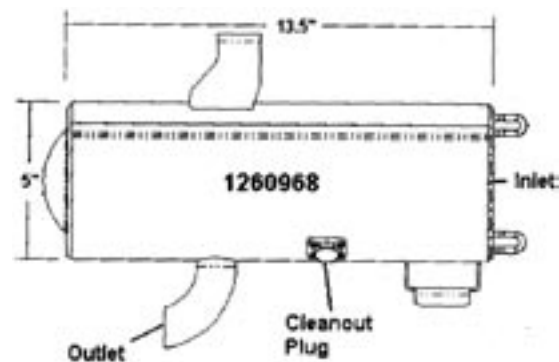
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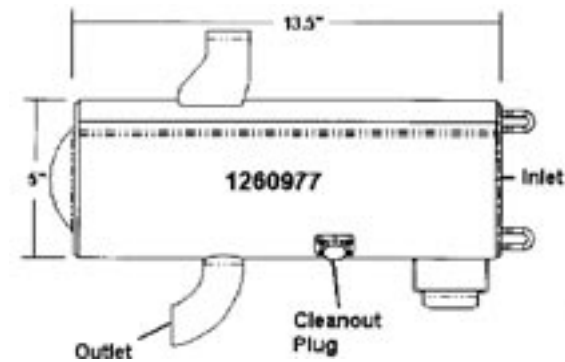
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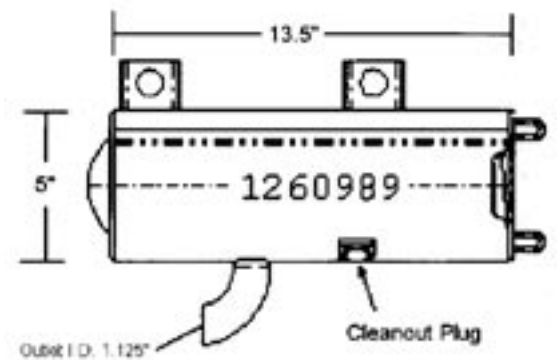
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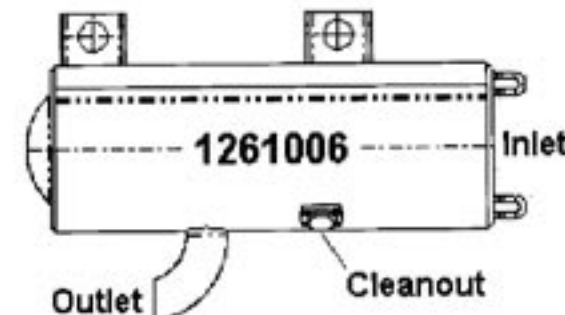
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1260977



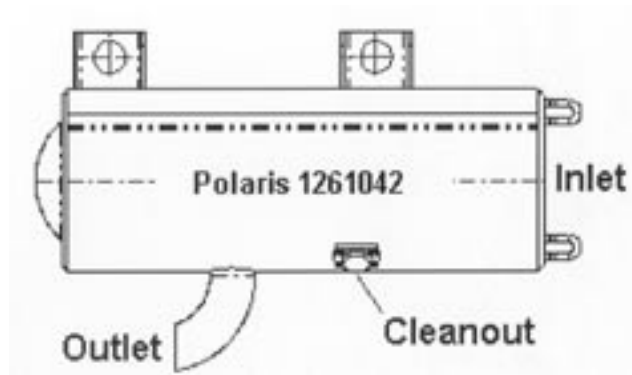
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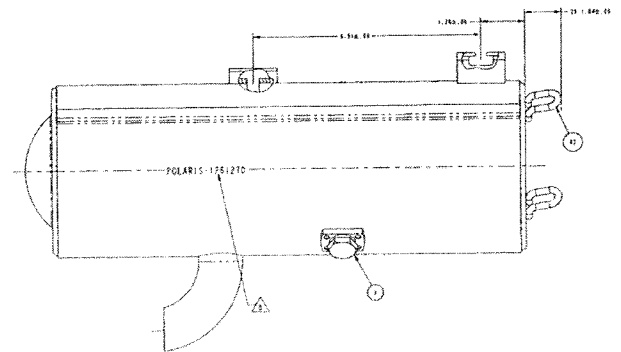
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POLARIS

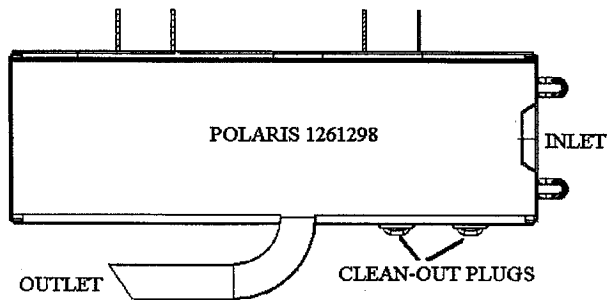
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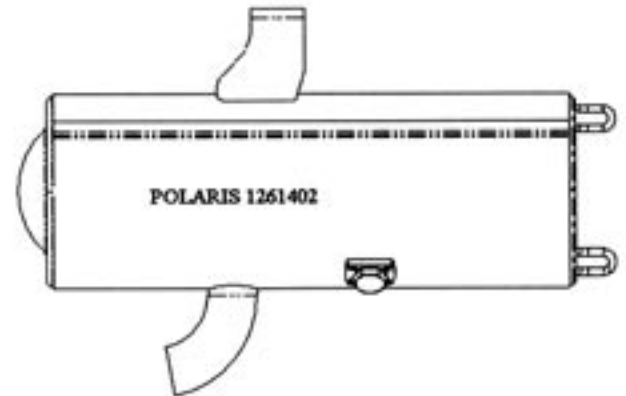
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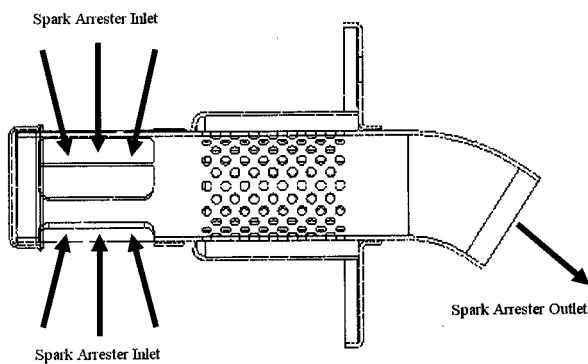
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1261298



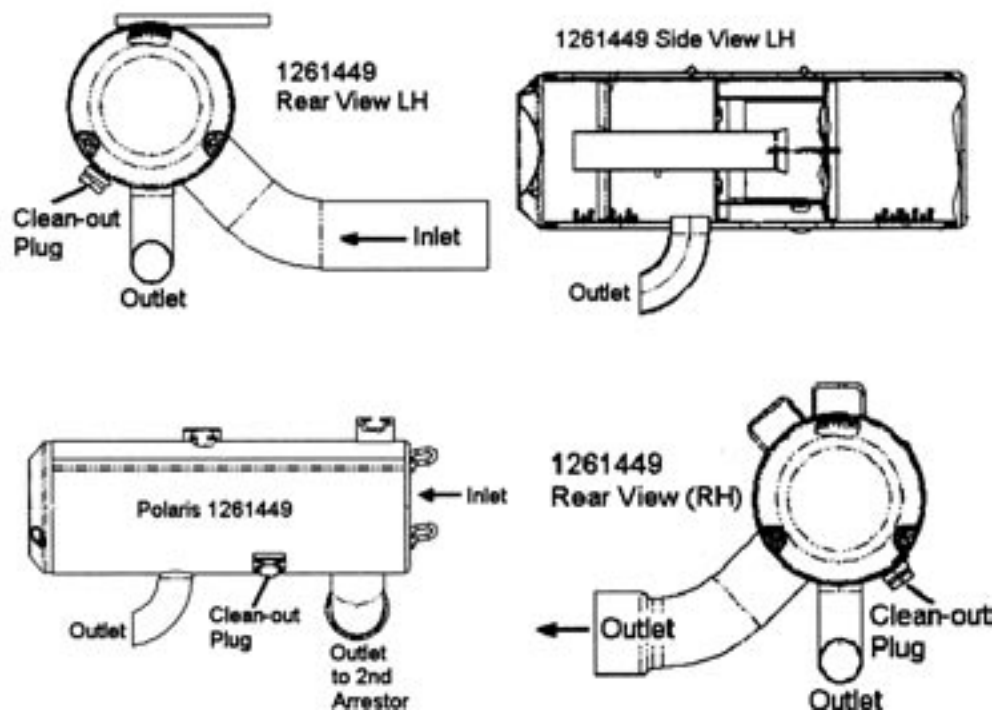
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1261413

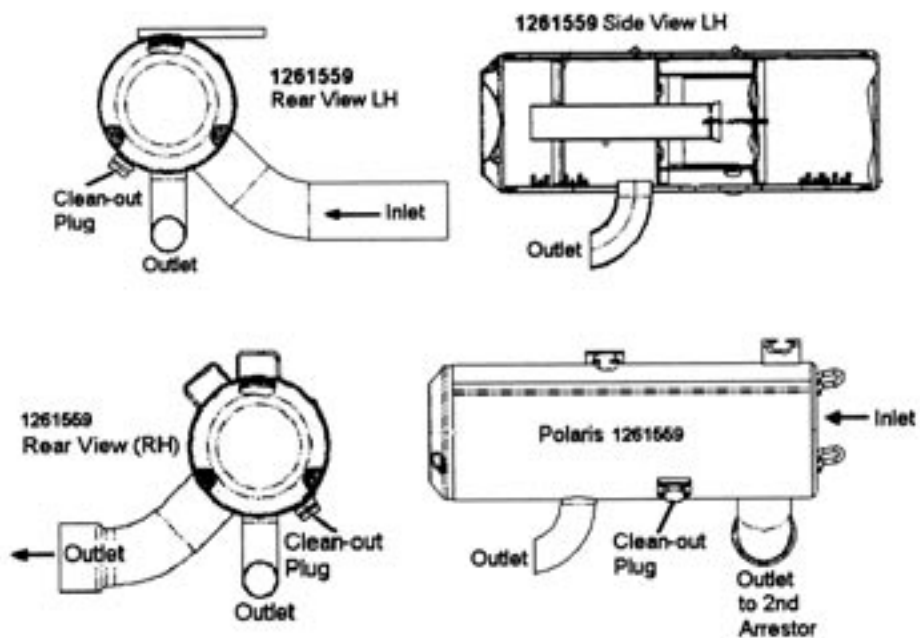
POLARIS

POLARIS (continued)



1261449

Note* dual spark arrestor system

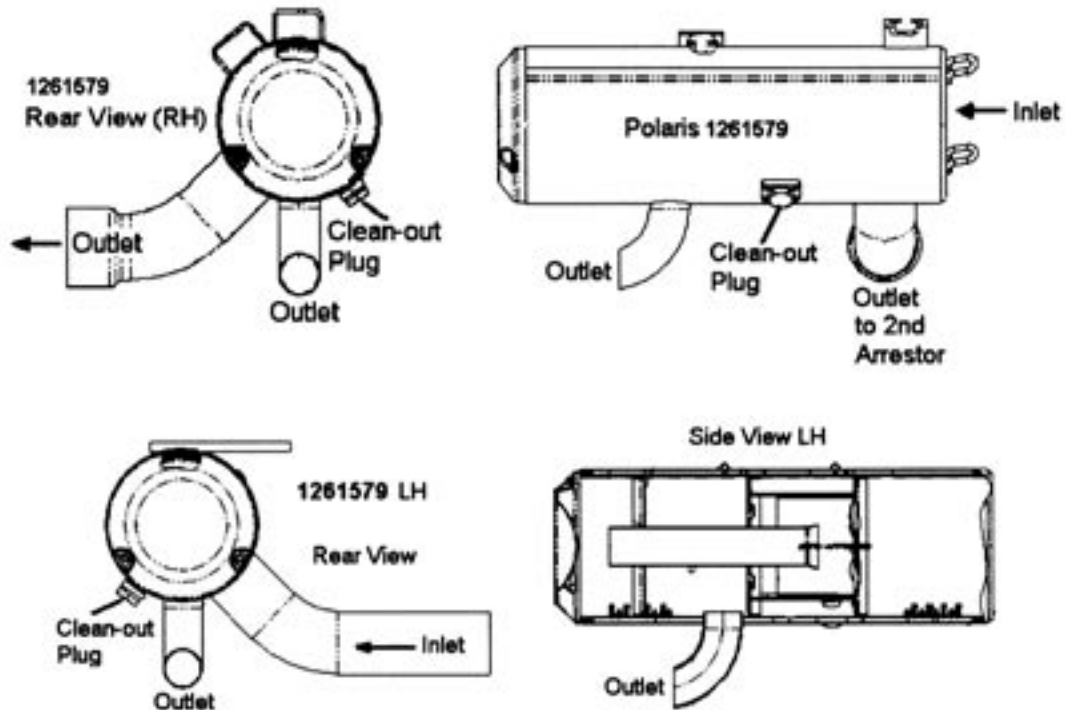


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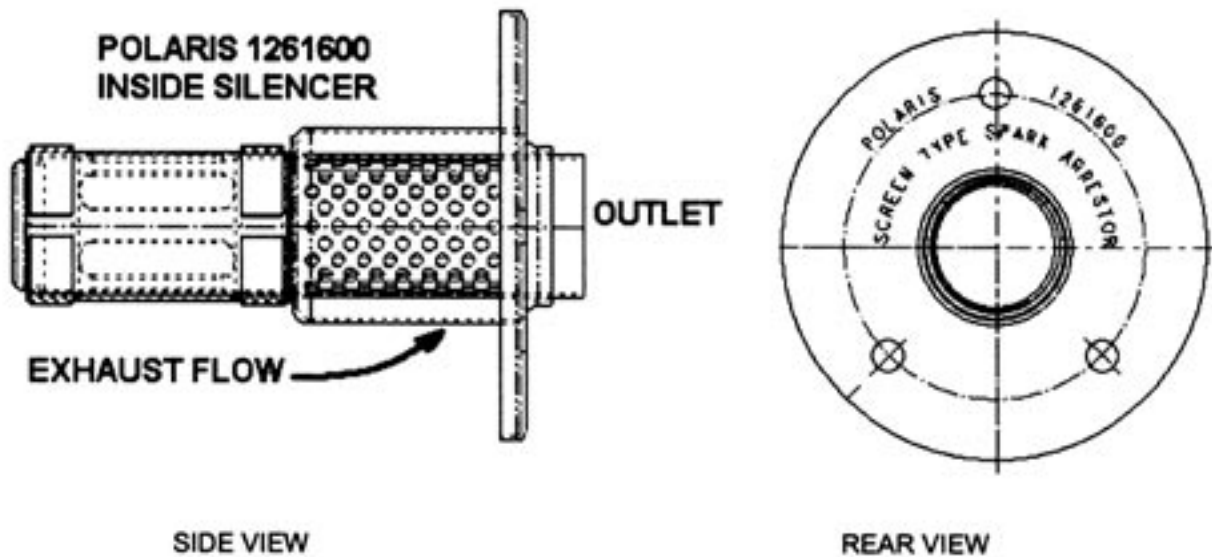
POLARIS

POLARIS (continued)

Note* dual spark arrestor system



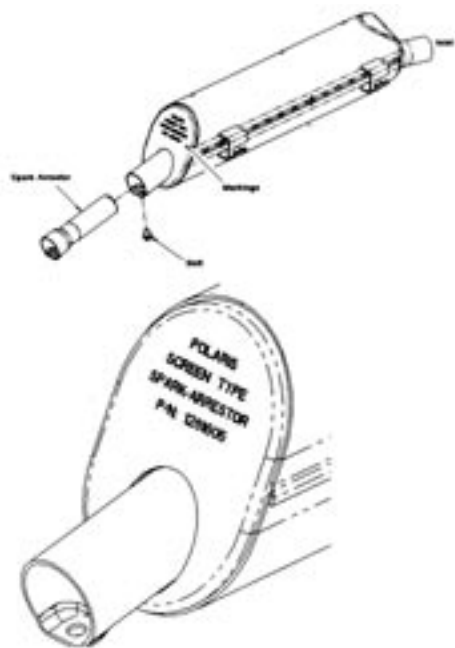
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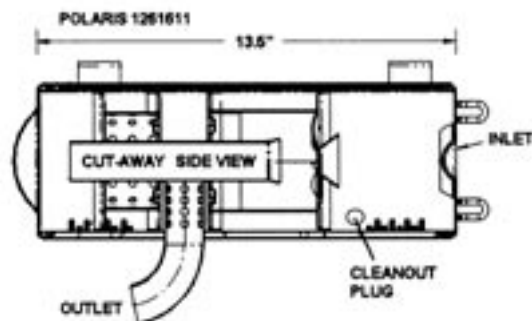
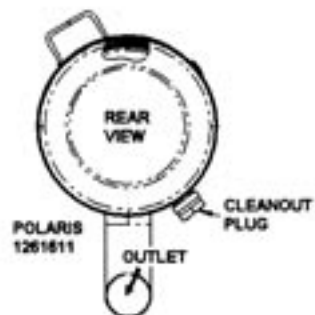
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POLARIS

POLARIS (continued)

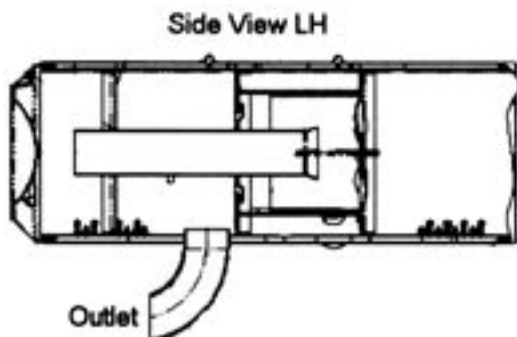
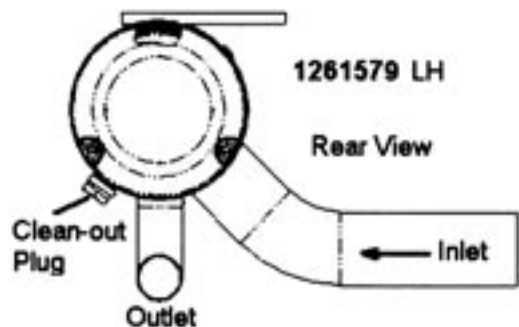
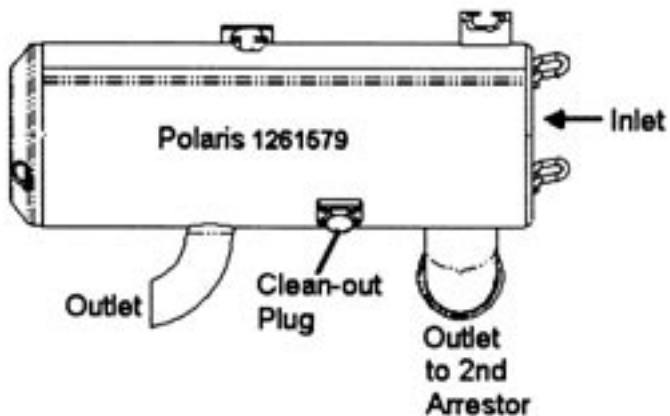
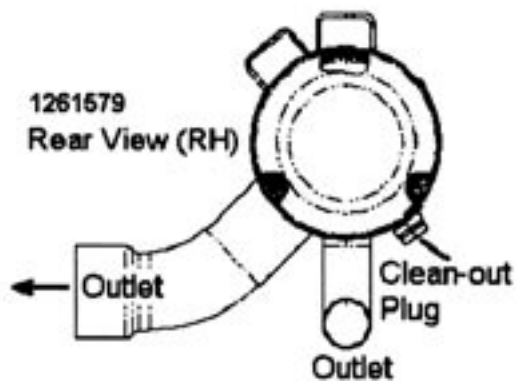


1261605



1261611

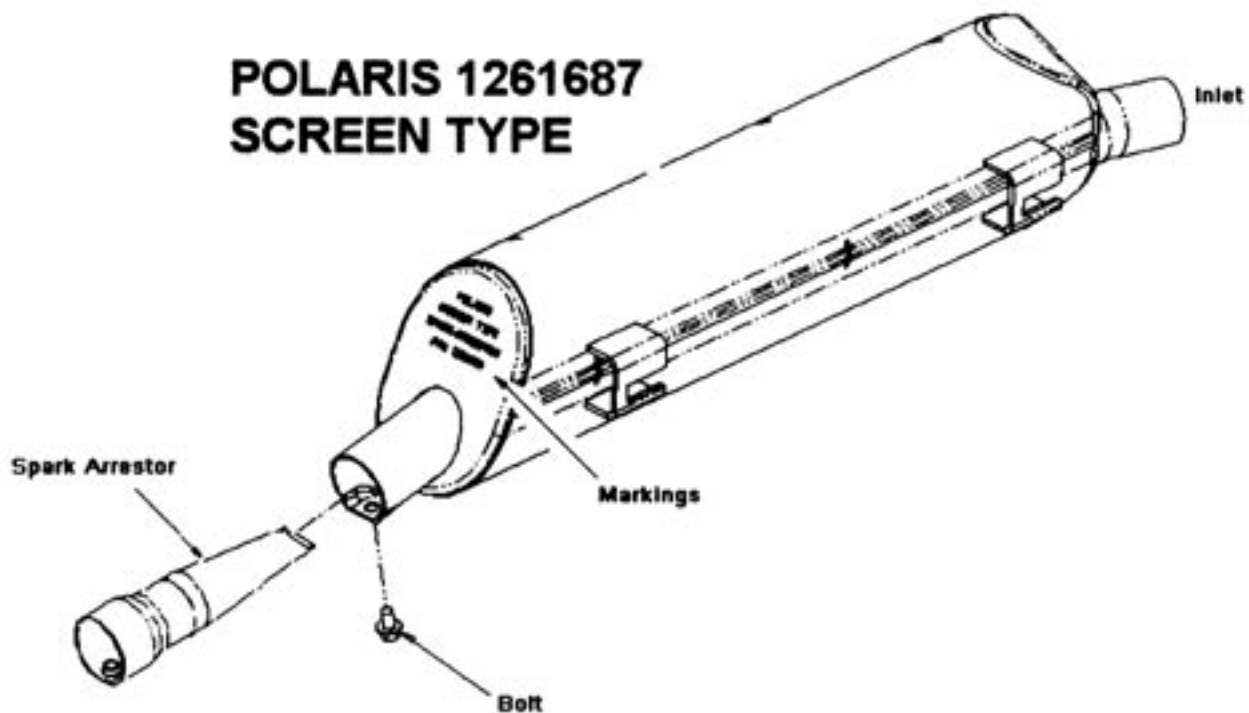
Note* dual spark arrestor system



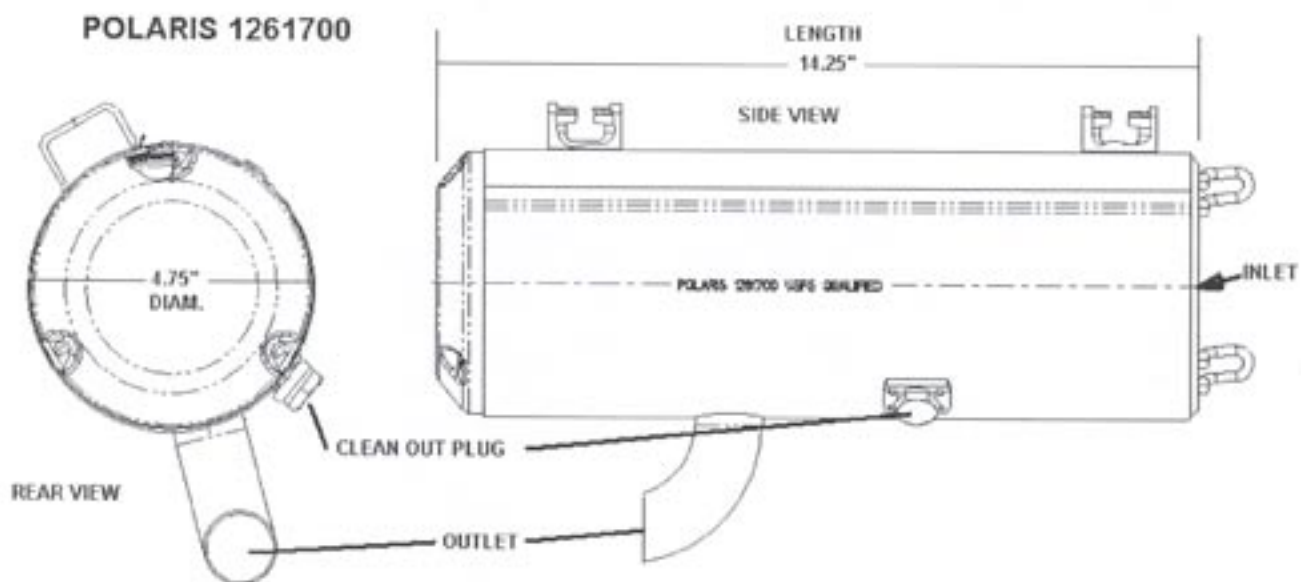
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POLARIS

POLARIS (continued)



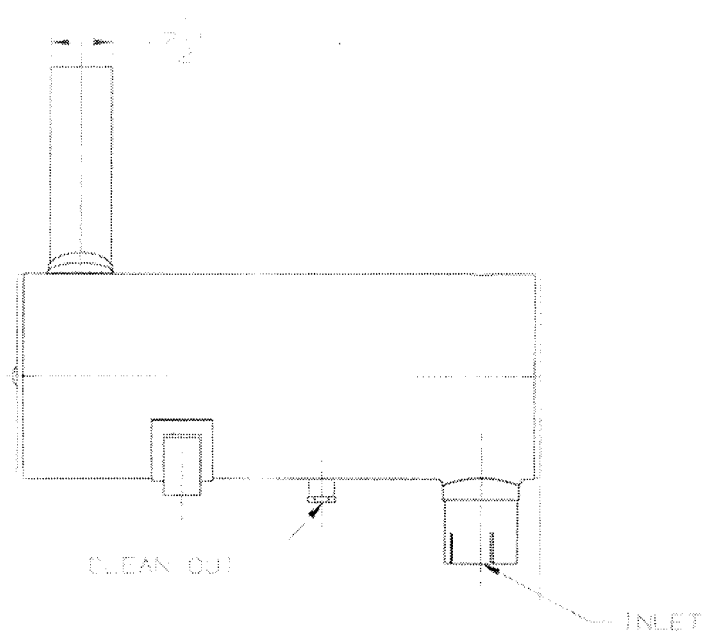
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1261700

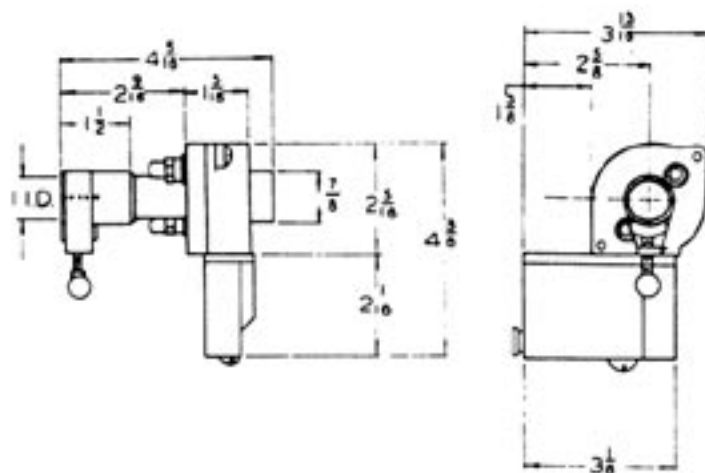
POLARIS•POWELL

POLARIS *(continued)*



1878246

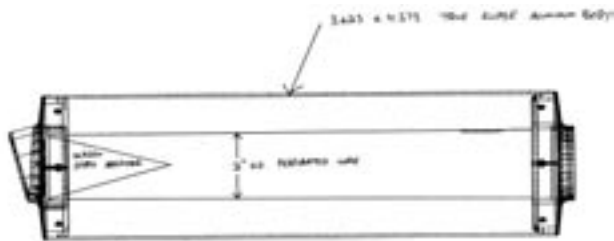
POWELL



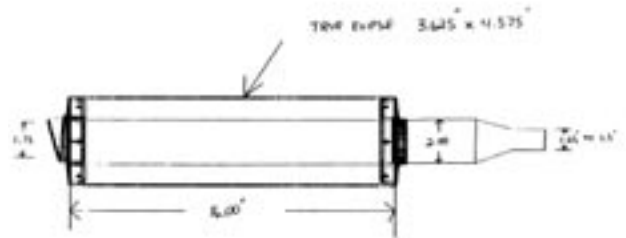
No. "F"

PRO ALUMINUM•PRO-CIRCUIT•PRO MOTO BILLET

PRO ALUMINUM

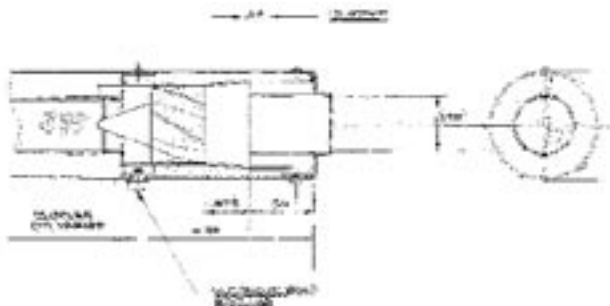


PA-21

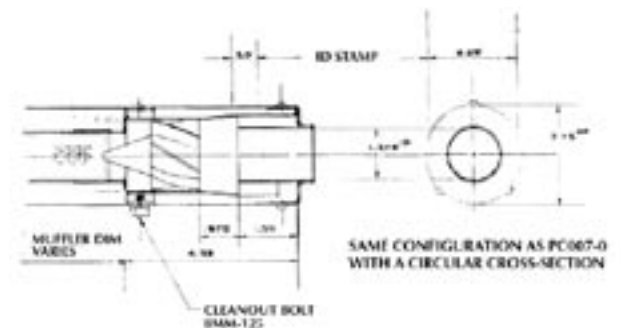


PY-01

PRO-CIRCUIT

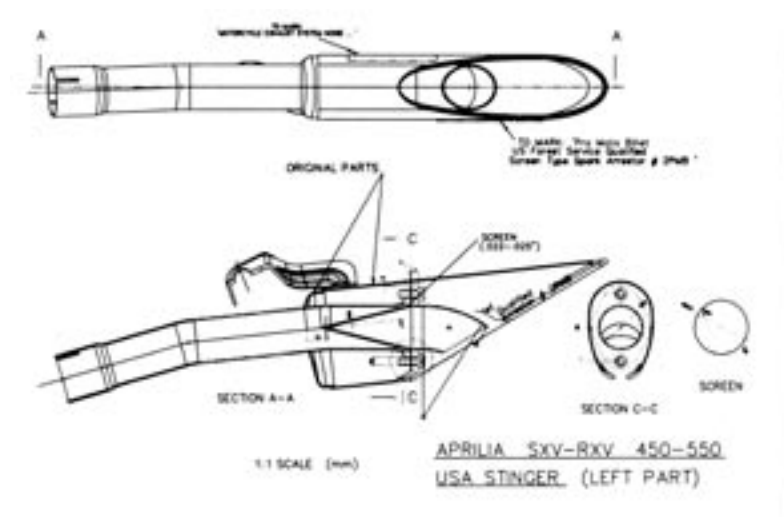


PC007OS



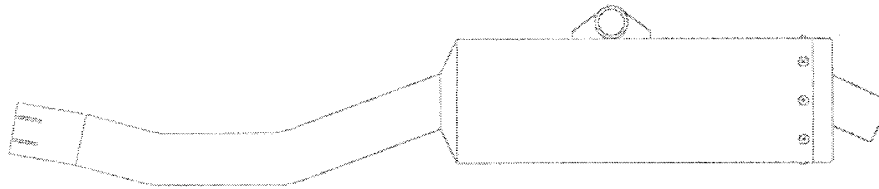
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PRO MOTO BILLET



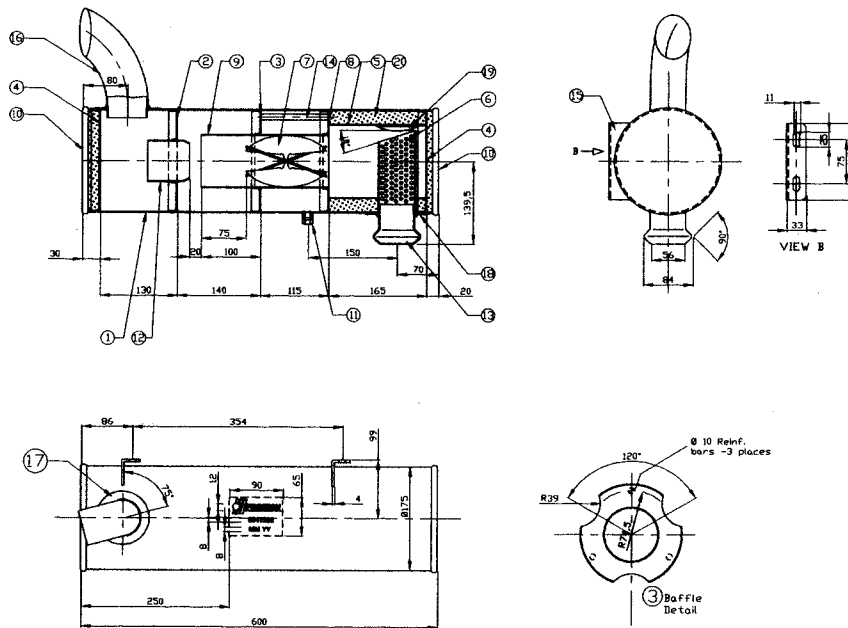
PRO MOTO BILLET•PROTECH•RELIABLE

PRO MOTO BILLET (continued)



4PMB

PROTECH



6917292

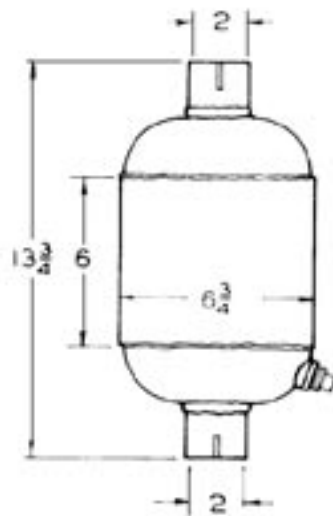
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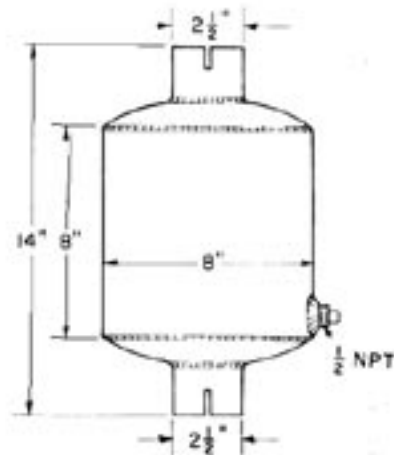
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RIKER

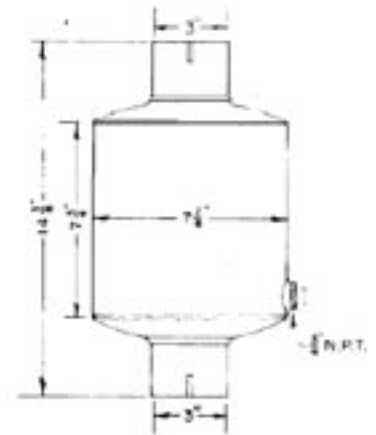
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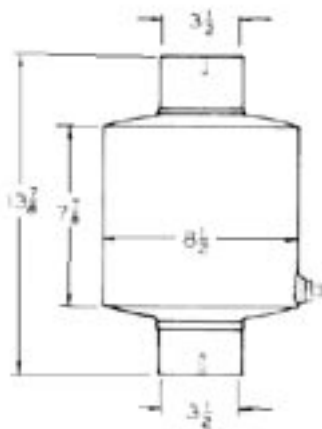
SA-200



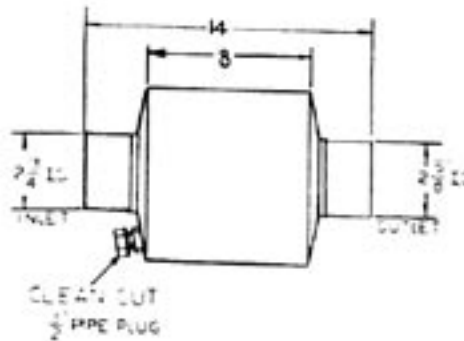
SA-250



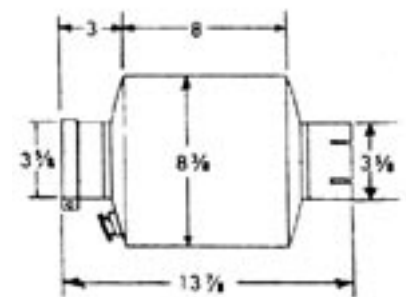
SA-300



SA-350



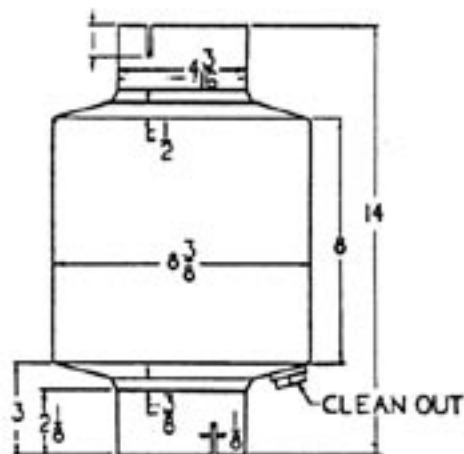
SA-350-1
Mod SA-350



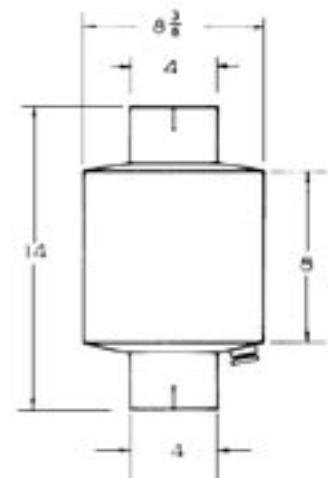
SA-353



SA-400



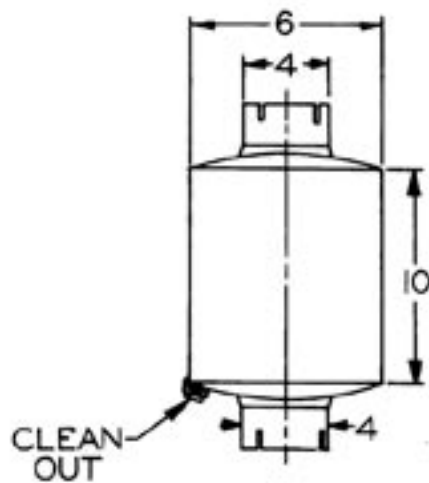
SA-400A



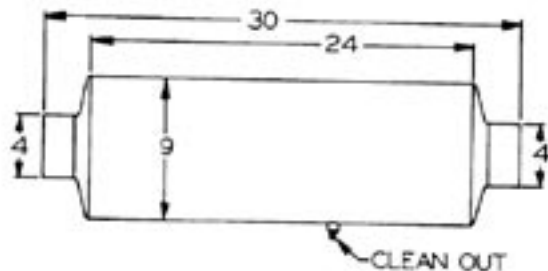
SA-401

RIKER•ROCKET EXHAUST

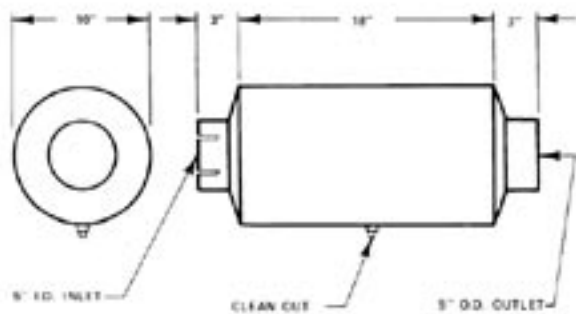
RIKER (*continued*)



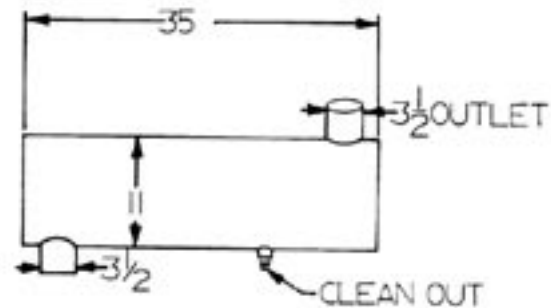
SA-408



SA-409
Modified SA-408

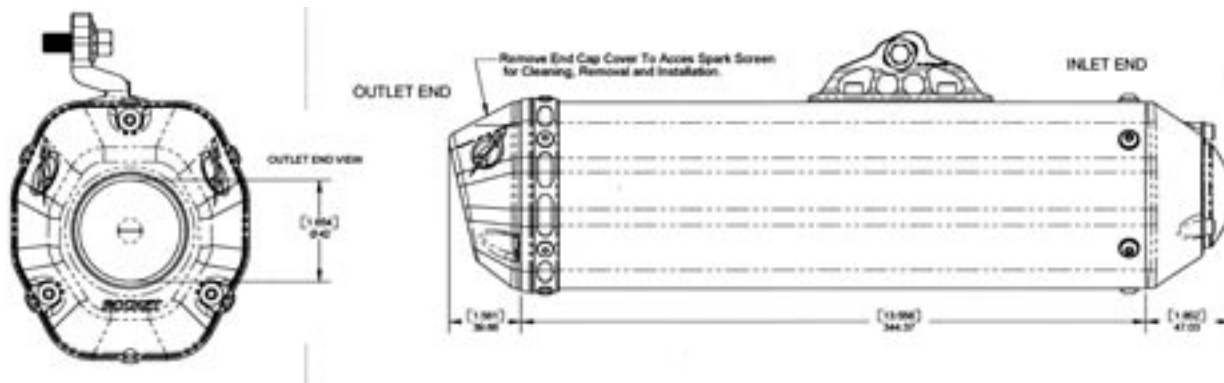


SA-500



SA-6762
Modified SA-408

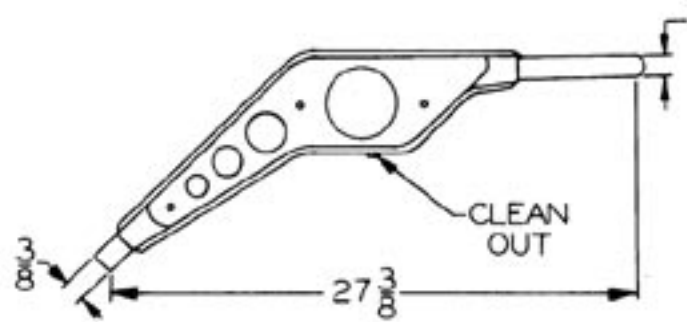
ROCKET EXHAUST



Silencer 1

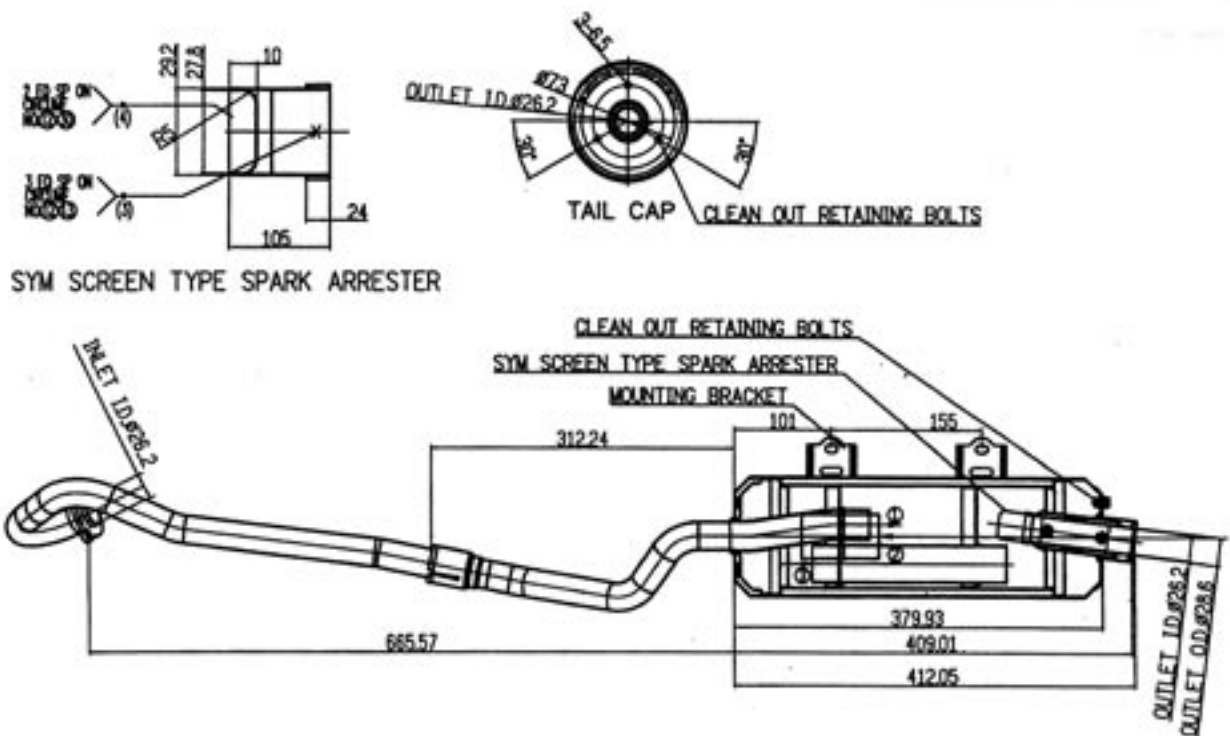
RUPP•SANYANG

RUPP



32004

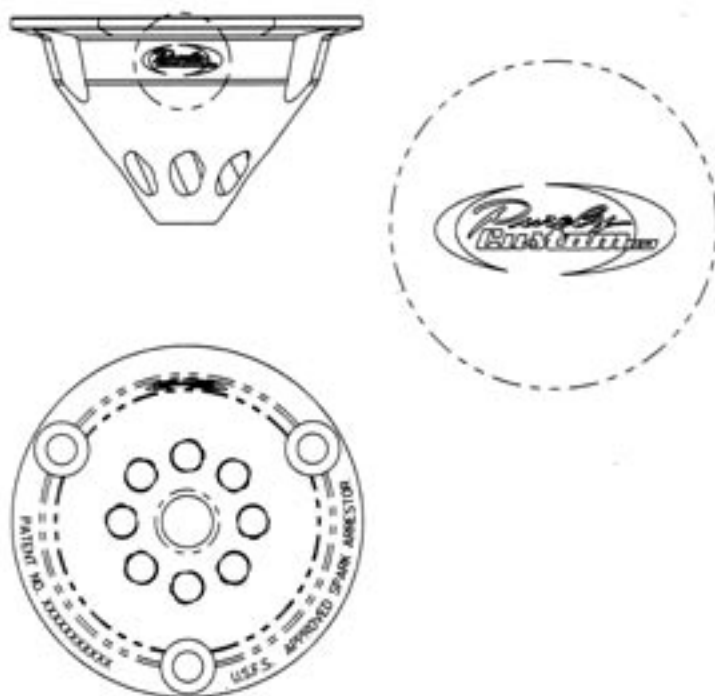
SANYANG



SYM 035-30-28-6

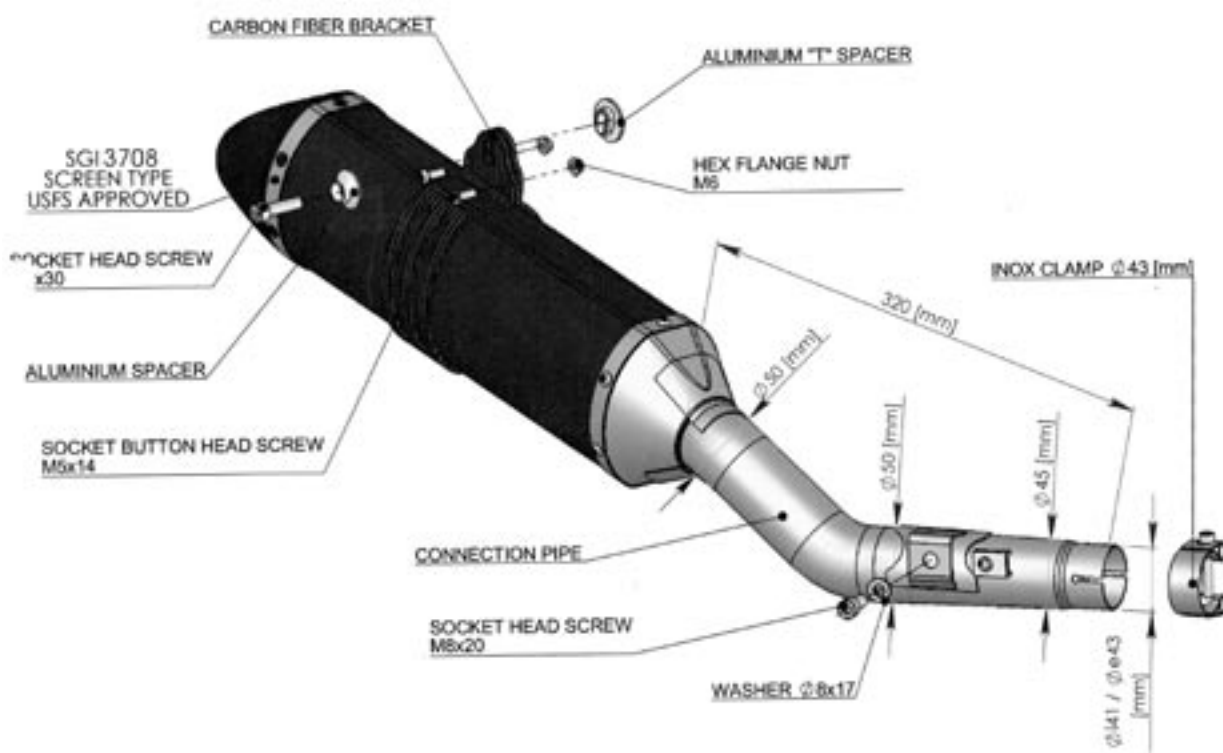
SEASTROM•SITO GRUPPO INDUSTRIALE (SGI)

SEASTROM



QP

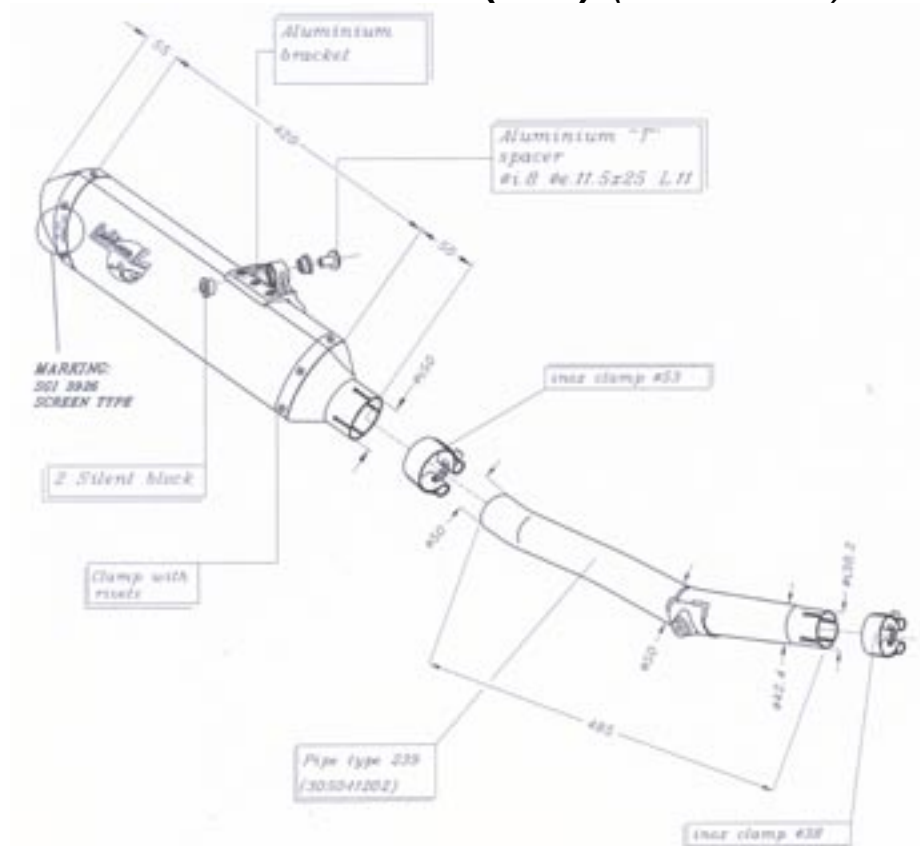
SITO GRUPPO INDUSTRIALE (SGI)



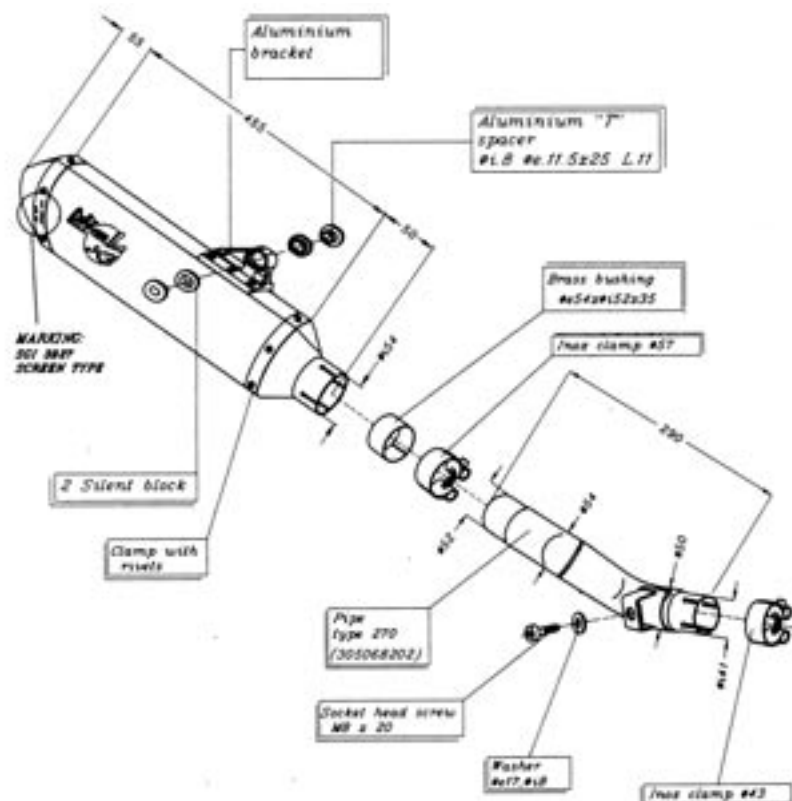
SGI 3708

SITO GRUPPO INDUSTRIALE (SGI)

SITO GRUPPO INDUSTRIALE (SGI) (continued)



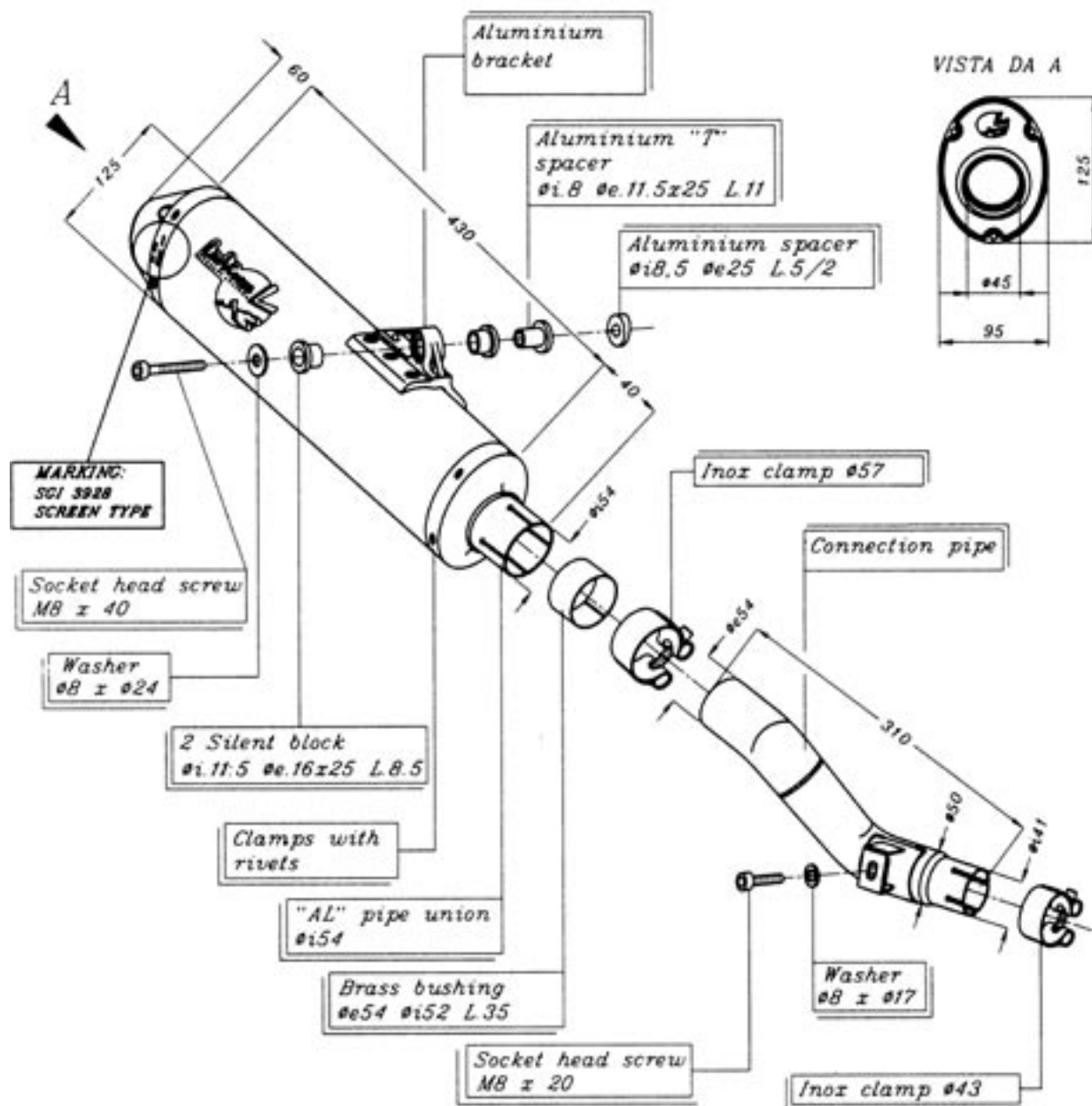
SGI 3926



SGI 3927

SITO GRUPPO INDUSTRIALE (SGI)

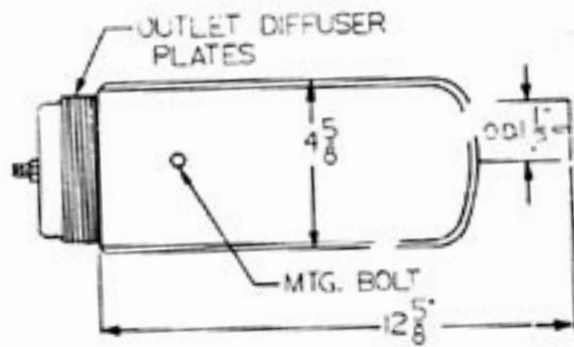
SITO GRUPPO INDUSTRIALE (SGI) (continued)



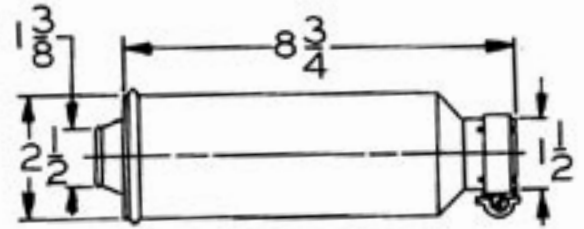
SGI 3928

SKYWAY•SKYWAY-COBRA

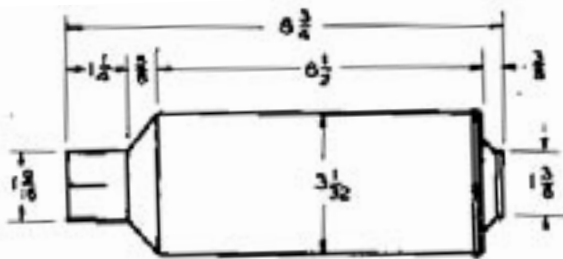
SKYWAY



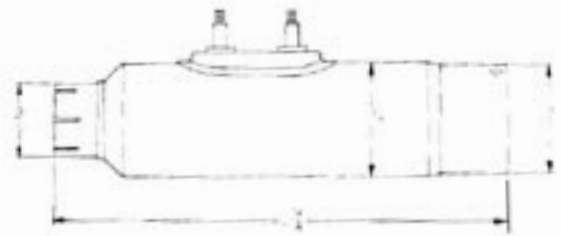
1000



2500

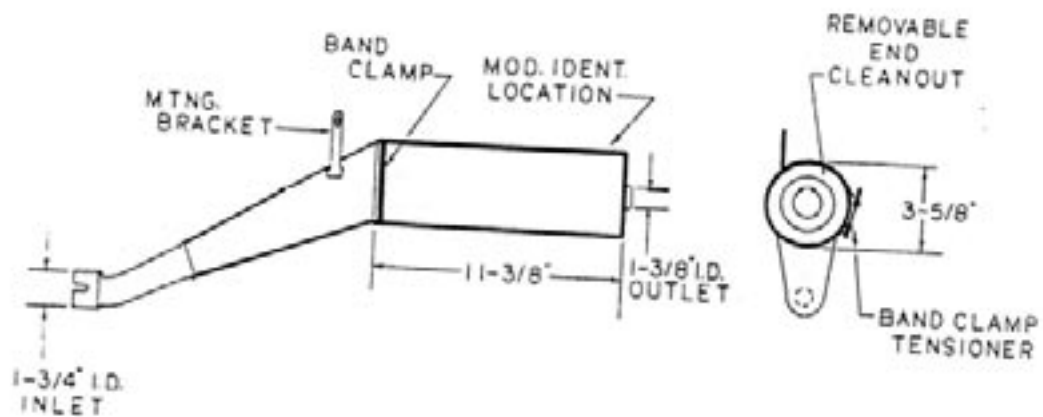


300



510

SKYWAY-COBRA



300-1

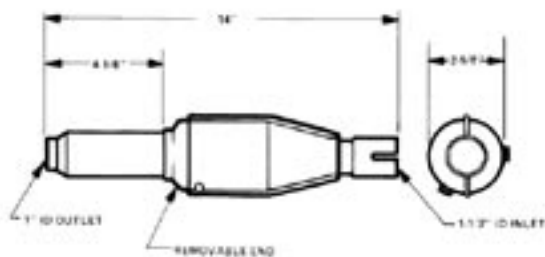
SOUNDMASTER•SPARESTER

SOUNDMASTER

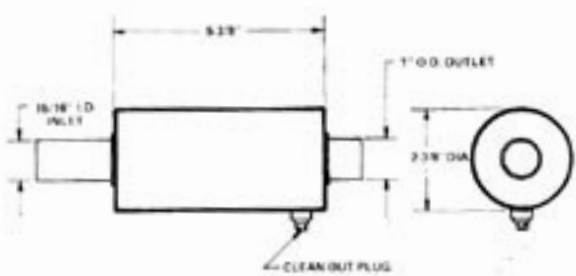
No diagrams available:

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

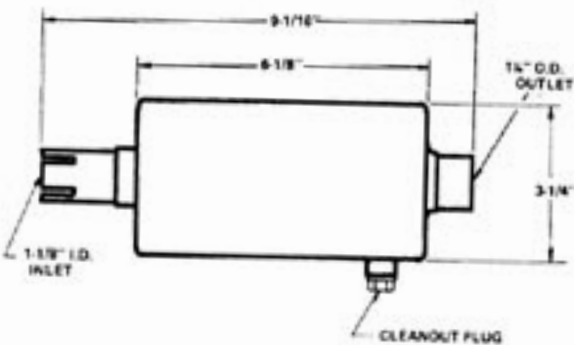
SPARESTER



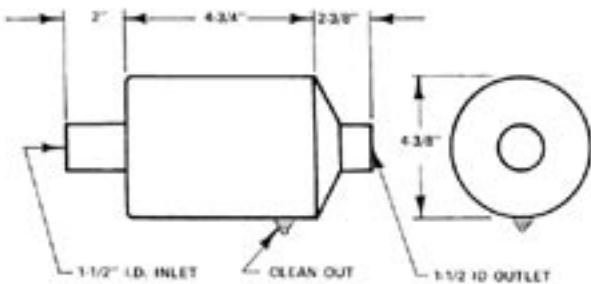
601



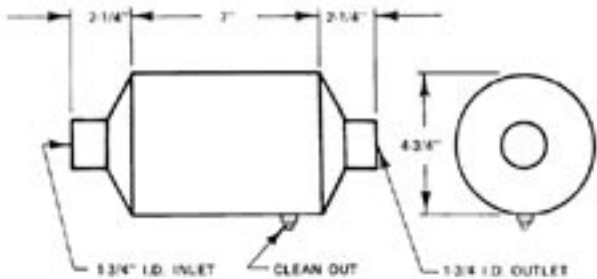
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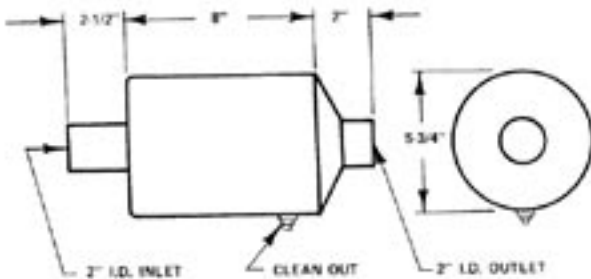
801



SA-100



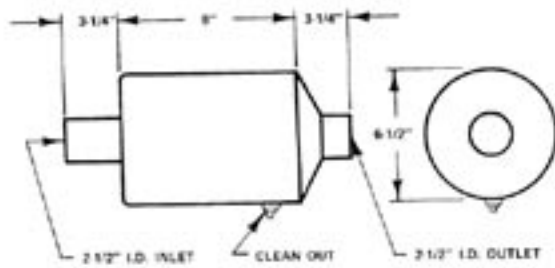
SA-120



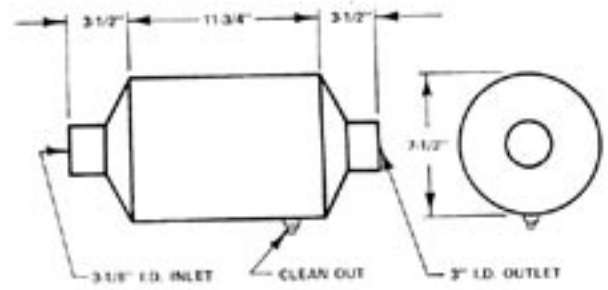
SA-140

SPARESTER•SPARKY

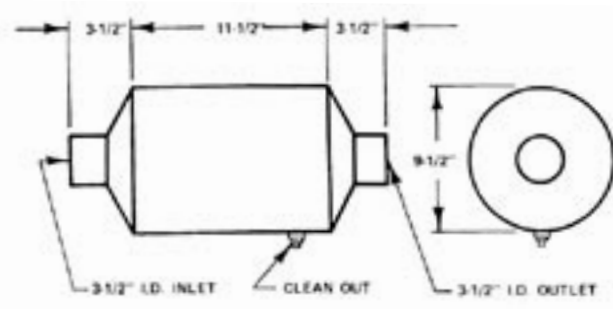
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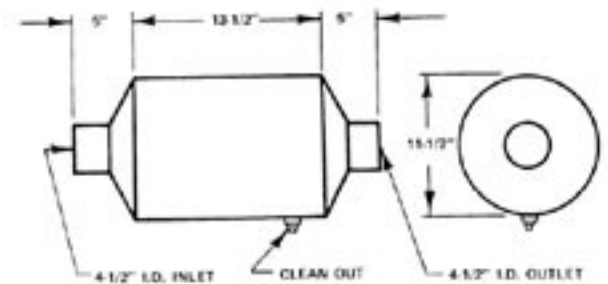
SA-160



SA-190

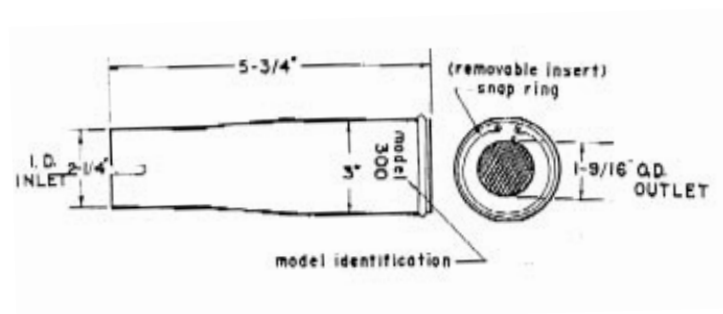


SA-240



SA-280

SPARKY



300 SPARKY

STEMCO

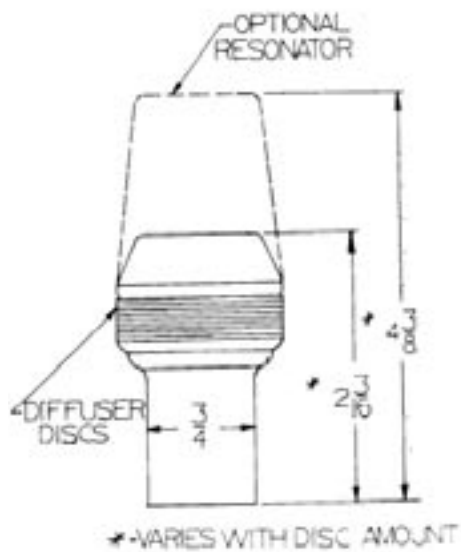


SUMMIT INDUSTRIES

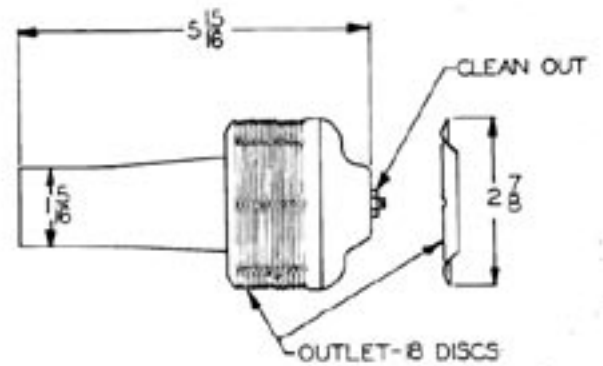


SUPERTRAPP

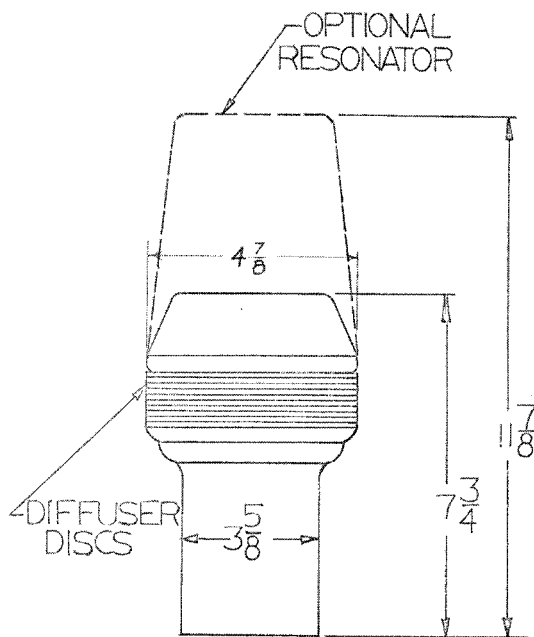
SUPERTRAPP



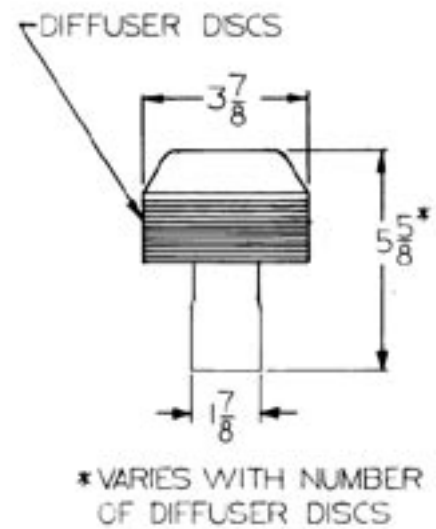
T-99



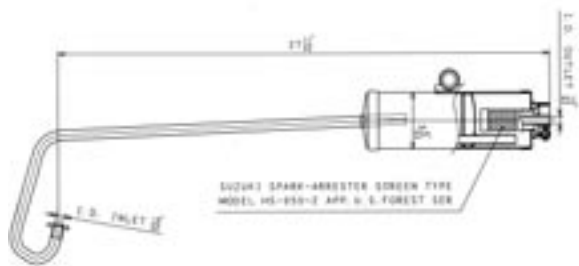
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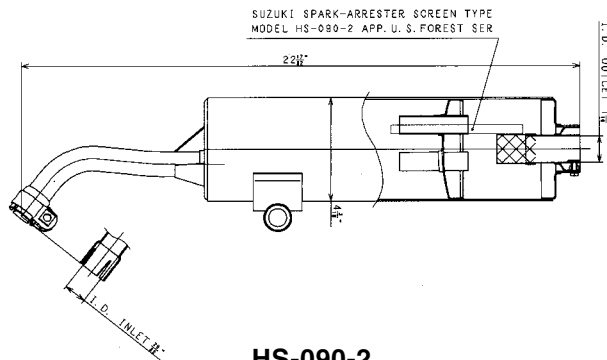
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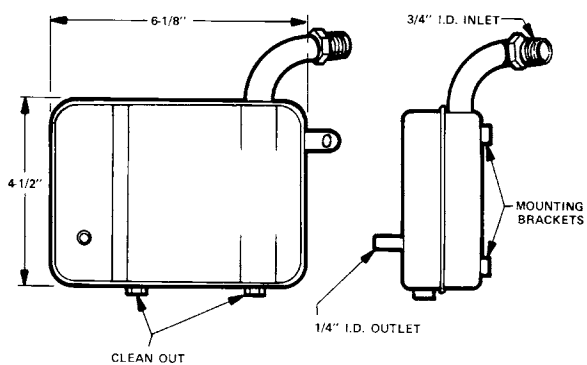
T-102



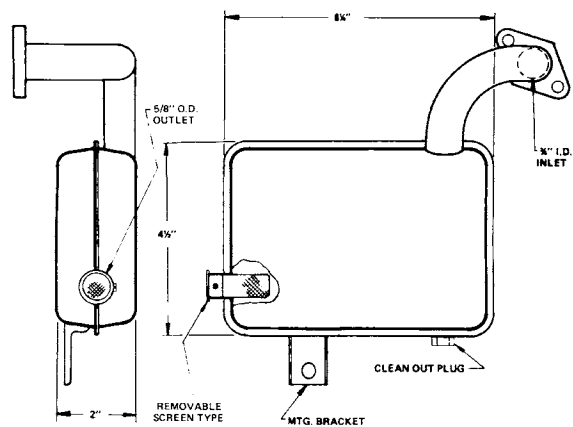
HS-050-2



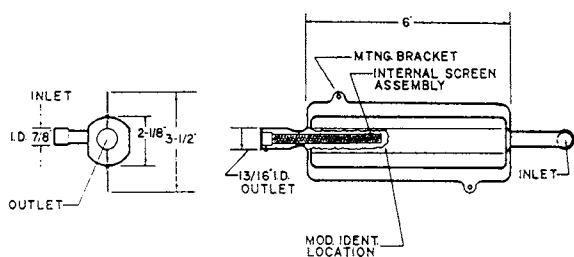
HS-090-2



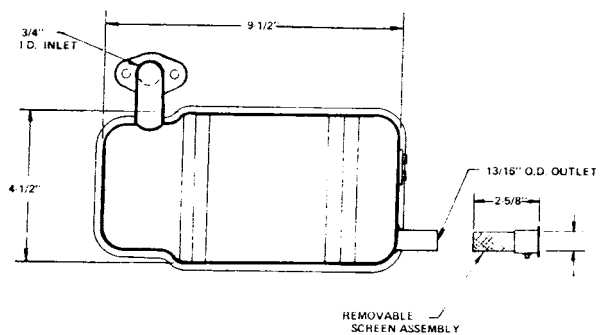
HS-1



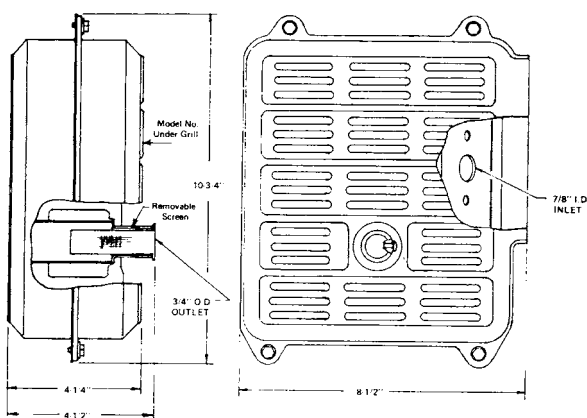
HS-2



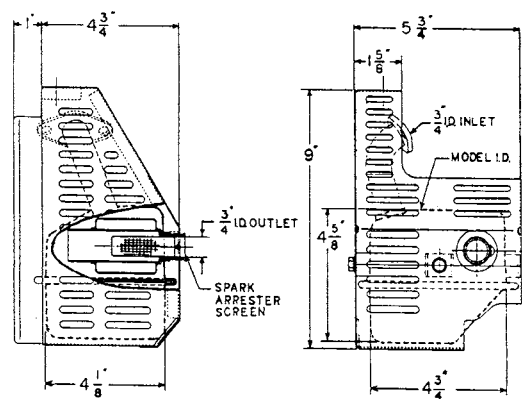
HS-3



HS-4



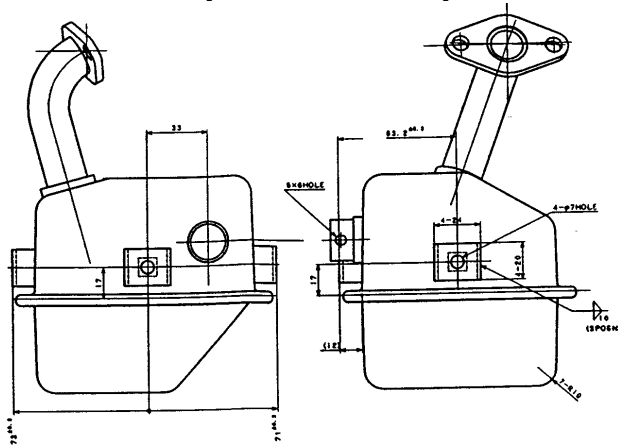
HS-5



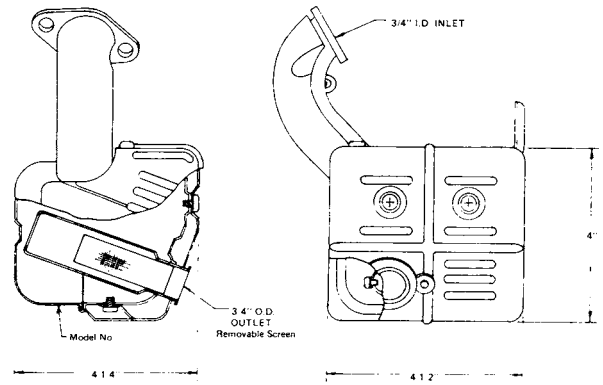
HS-5A

SUZUKI

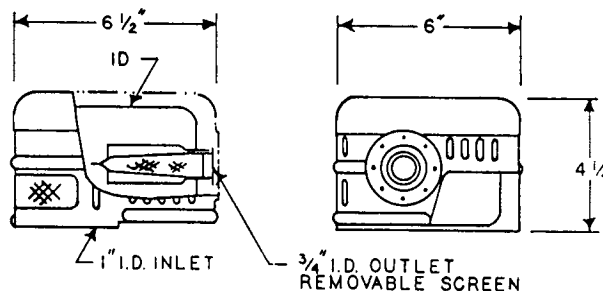
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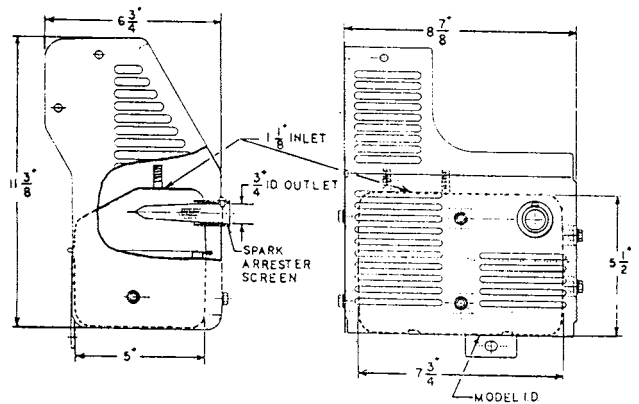
HS-5AB



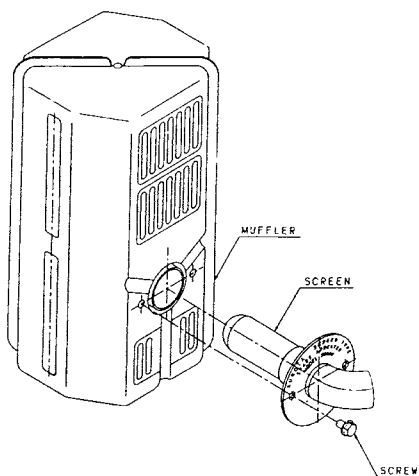
HS-6



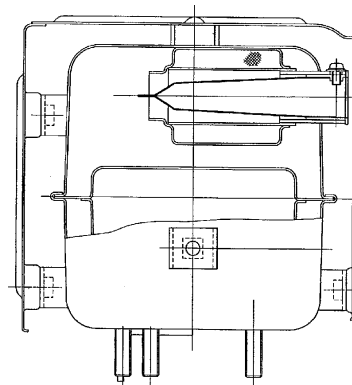
HS-7



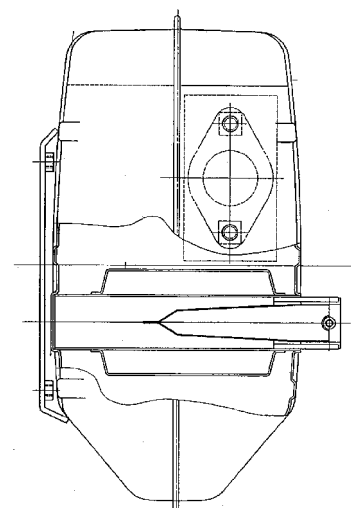
HS-7A



HS-8



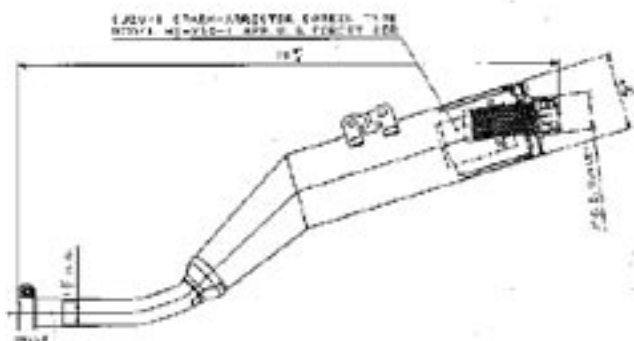
HS-9



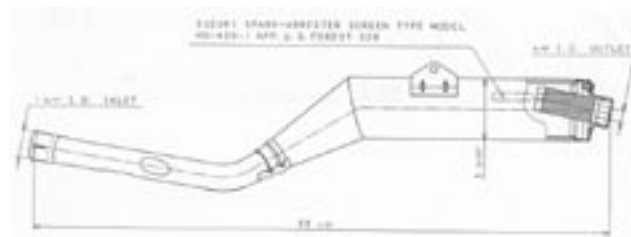
HS-10

SUZUKI

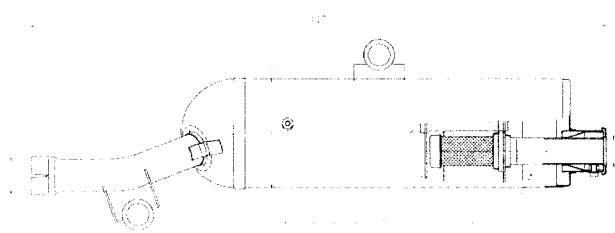
SUZUKI (continued)



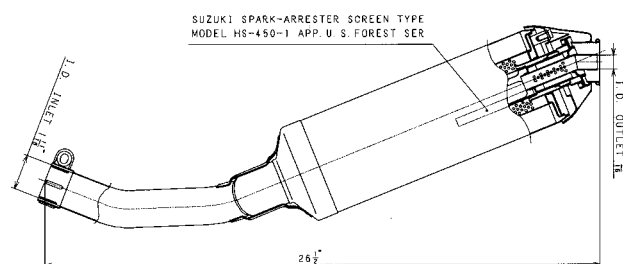
HS-250-1



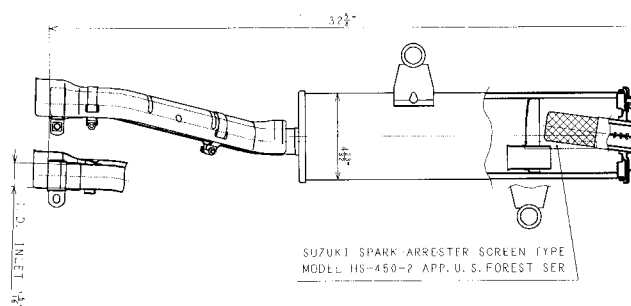
HS-400-1



HS-400-4



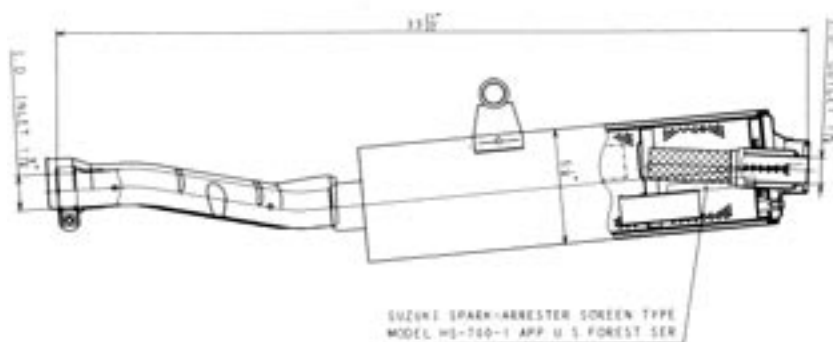
HS-450-1



HS-450-2



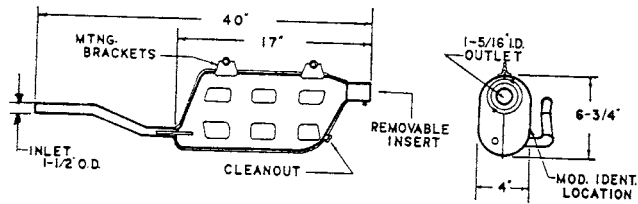
HS-500-1



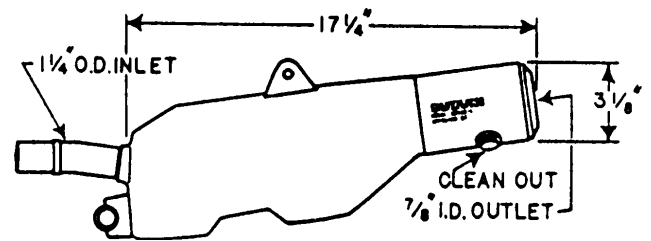
HS-700-1

SUZUKI•SUZUKI-KRIZMAN

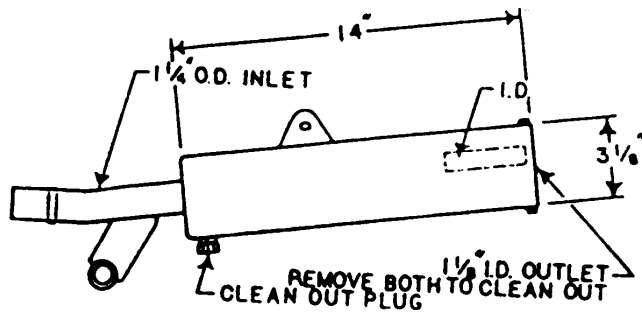
SUZUKI (continued)



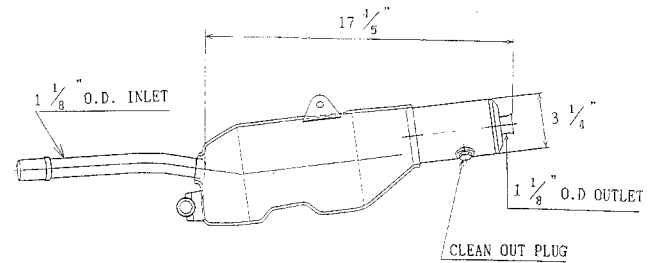
KS-450



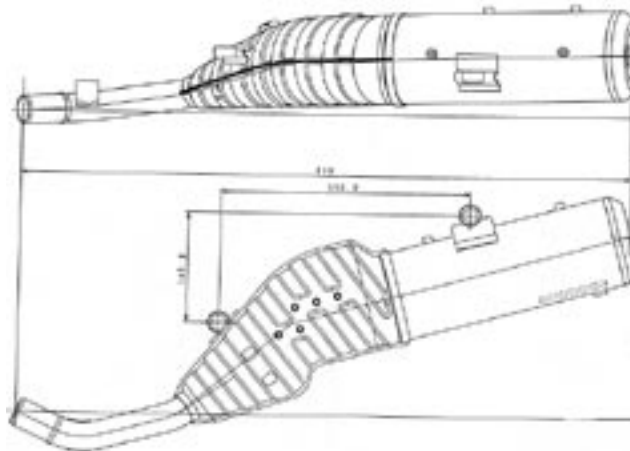
KS-450-1



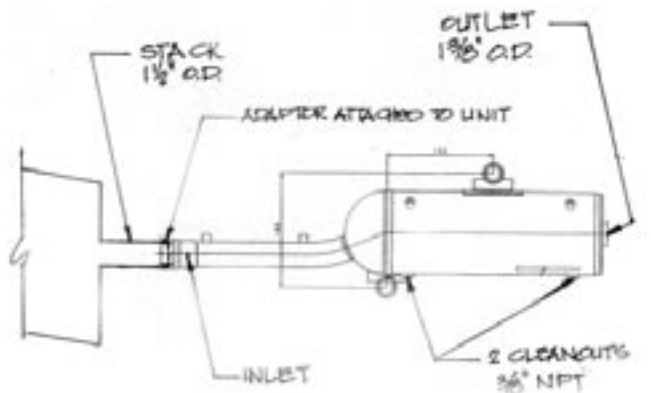
KS-450-2



KS-450-3

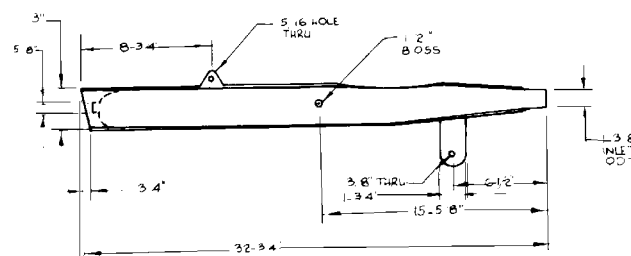


Sparester 21

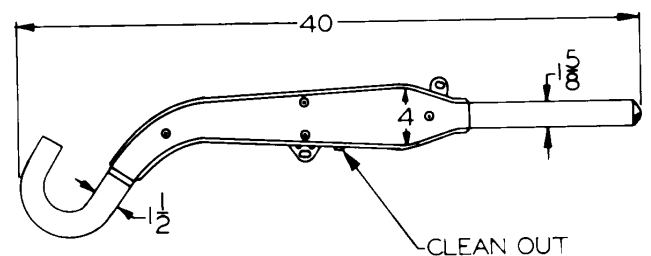


Sparester 23

SUZUKI-KRIZMAN



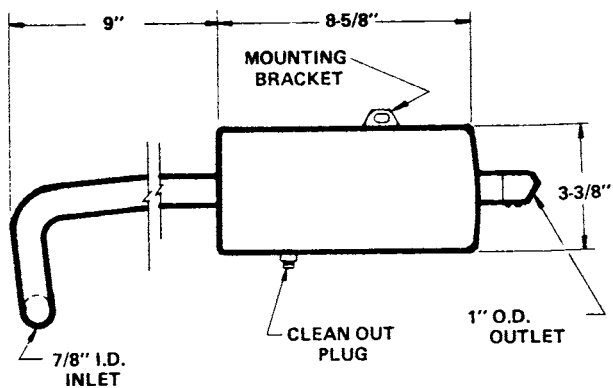
K-15



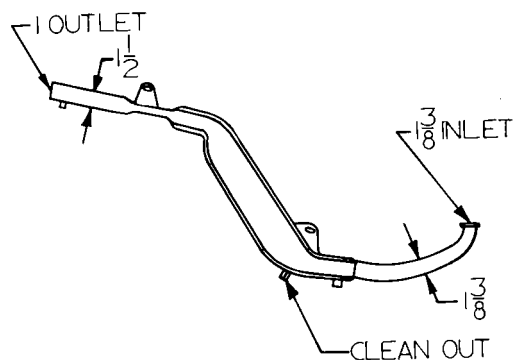
KS-250

SUZUKI-KRIZMAN

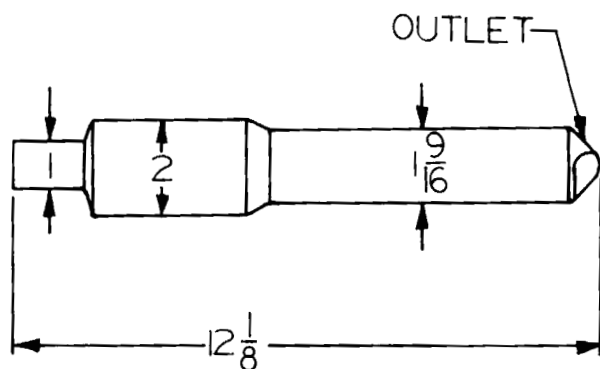
SUZUKI-KRIZMAN (continued)



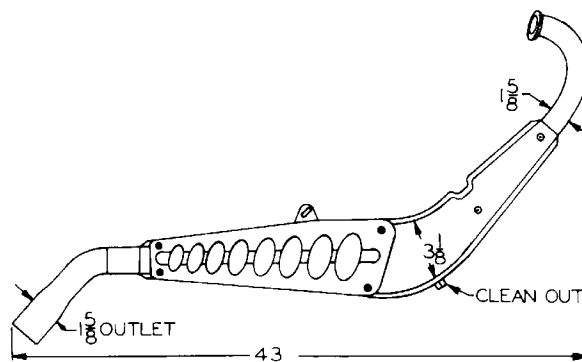
KS-250
(for ALT 50)



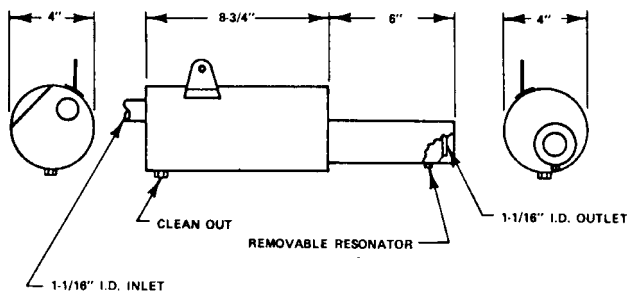
KS-250
(for TM 75)



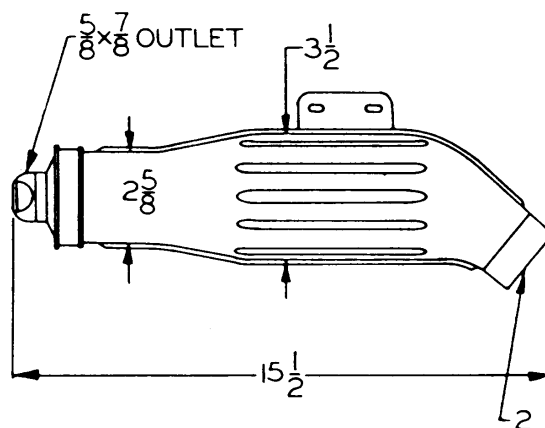
KS-250
(for TS 80)



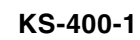
KS-250M



KS-350-3

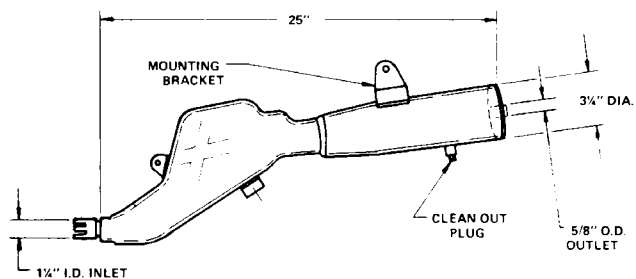


KS-400

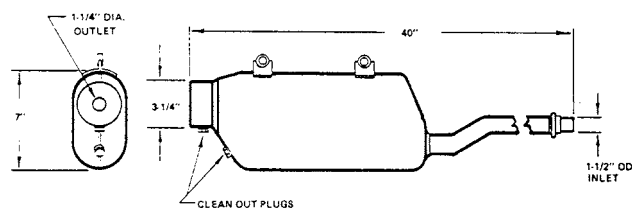
SUZUKI-KRIZMAN (continued)

SUZUKI-SPARESTER

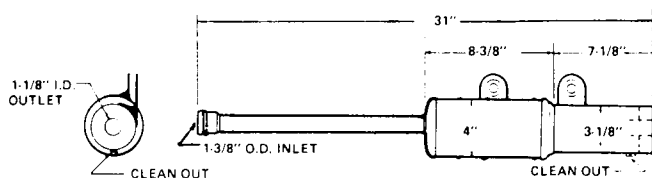
SUZUKI-SPARESTER



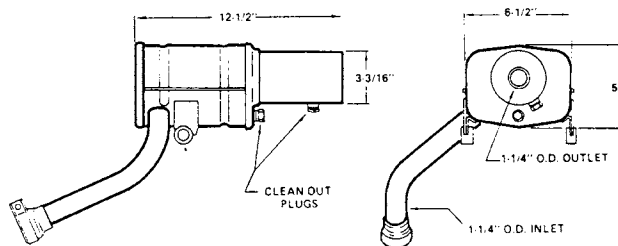
801
801 X0523X



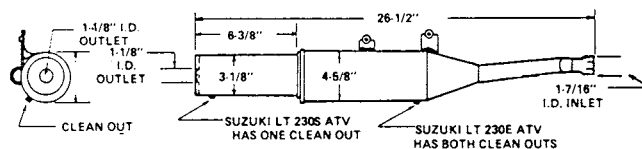
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801 X19AOX



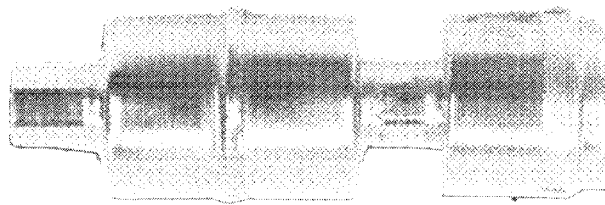
801 X19BOX



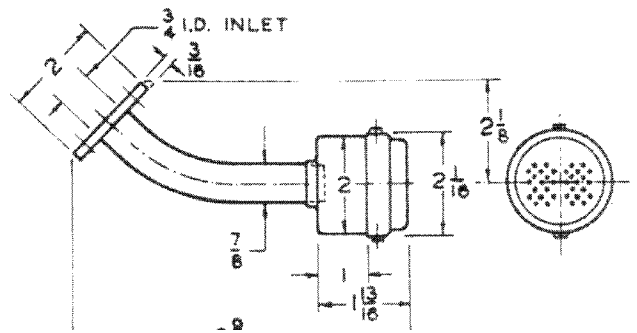
801 X22AOX

TAYLOR

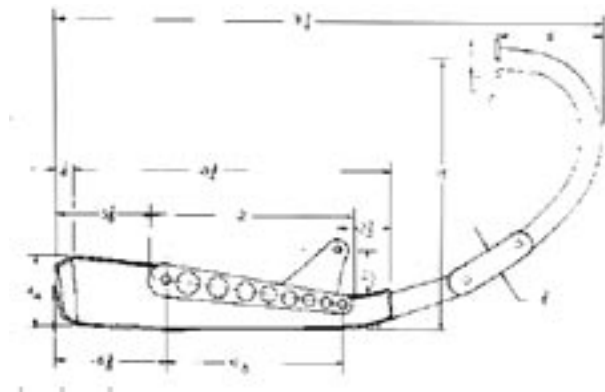
TAYLOR



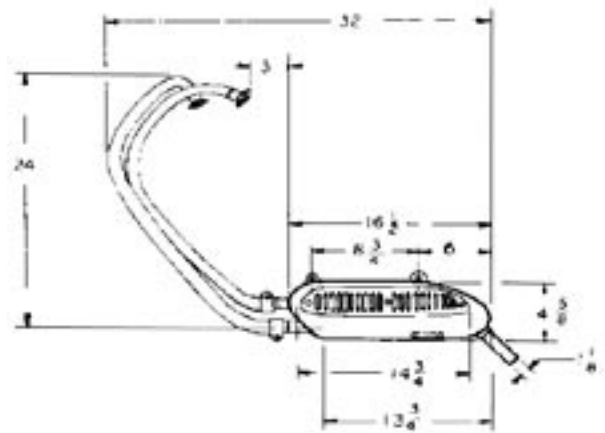
100
(SCREEN TYPE)



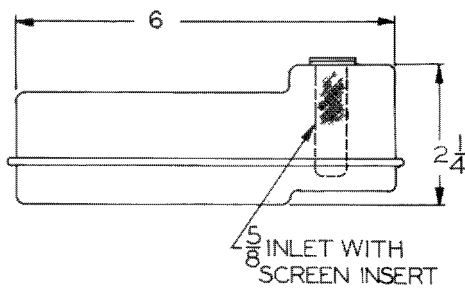
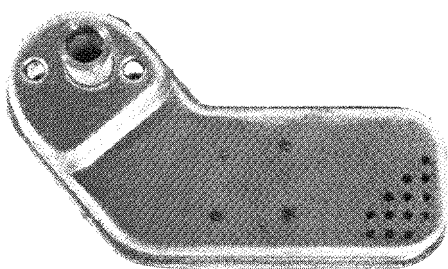
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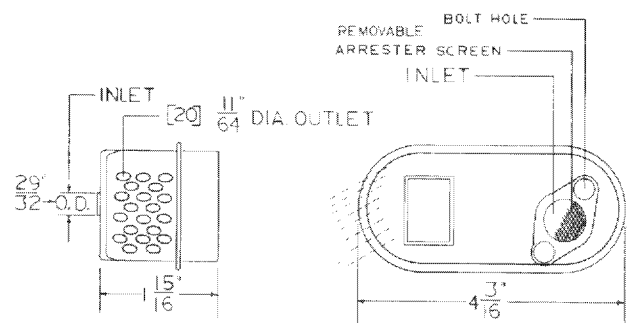
300



400



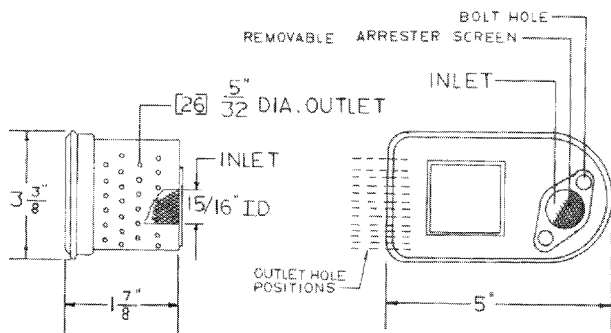
400A



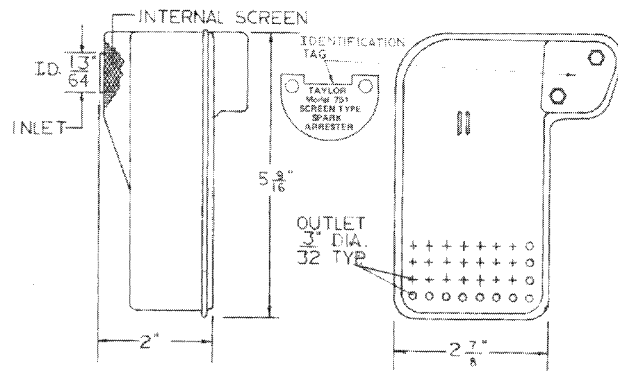
750

TAYLOR

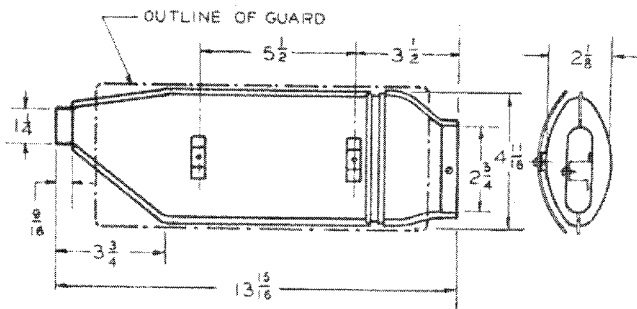
TAYLOR (continued)



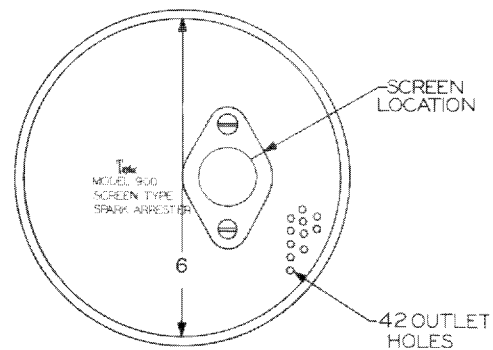
750A



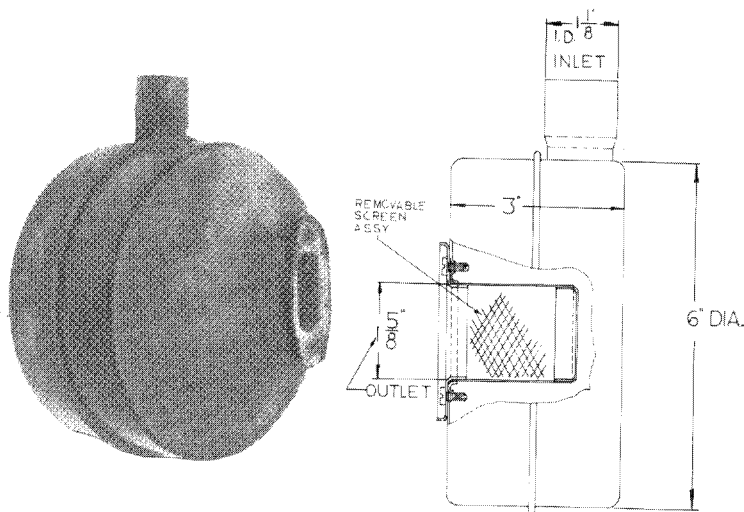
751



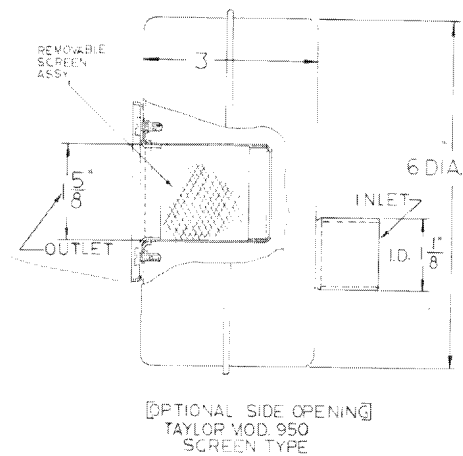
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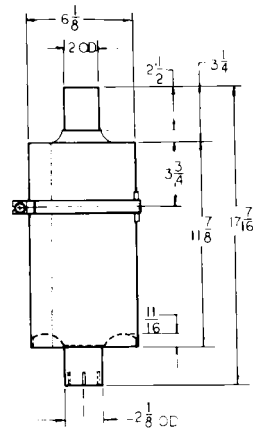
900



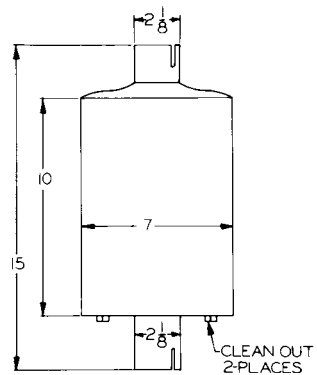
950



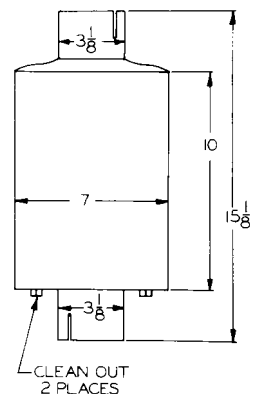
[OPTIONAL SIDE OPENING]
TAYLOR MOD. 950
SCREEN TYPE



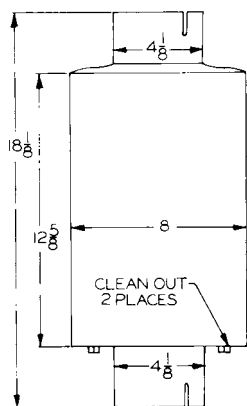
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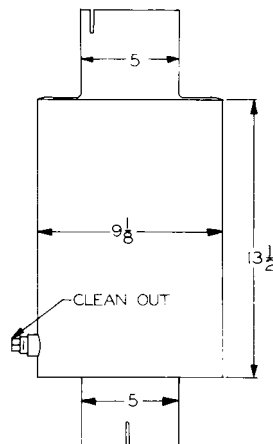
SS-860-2



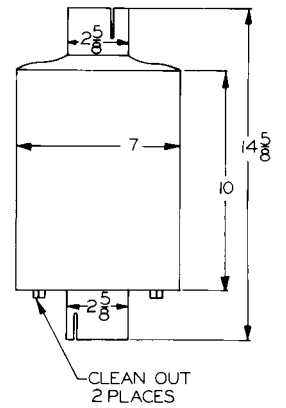
SS-860-3



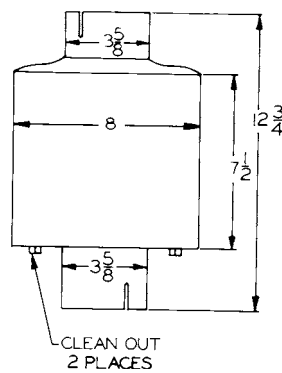
SS-860-4A



SS-860-5



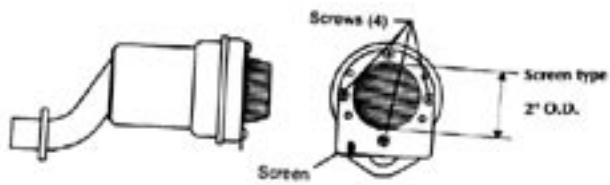
SS-860-25



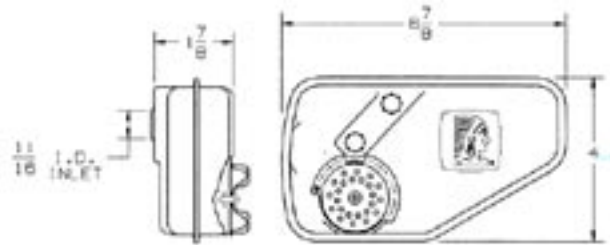
SS-860-35

TECUMSEH•TILLERY

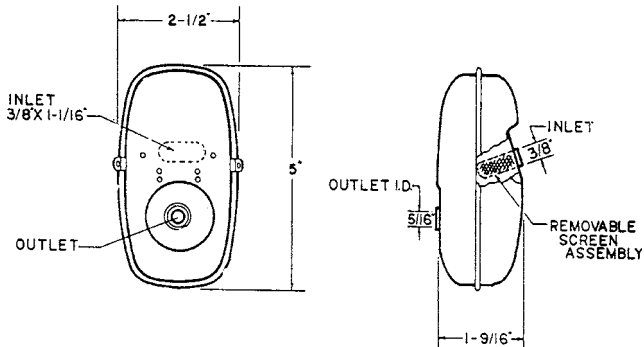
TECUMSEH



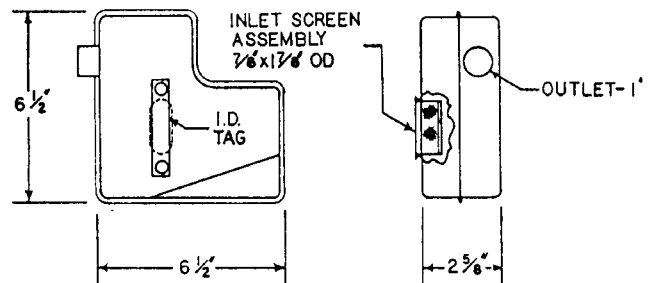
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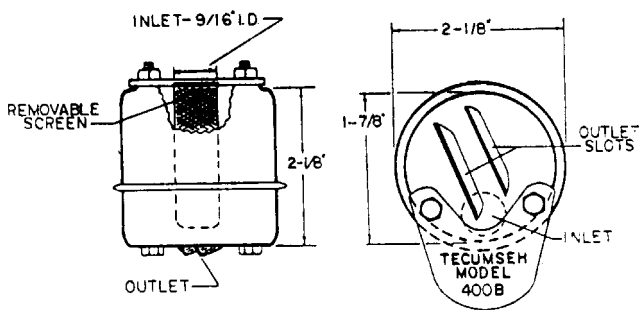
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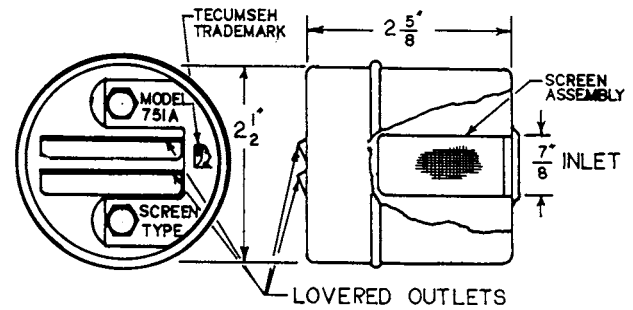
390301A



390309

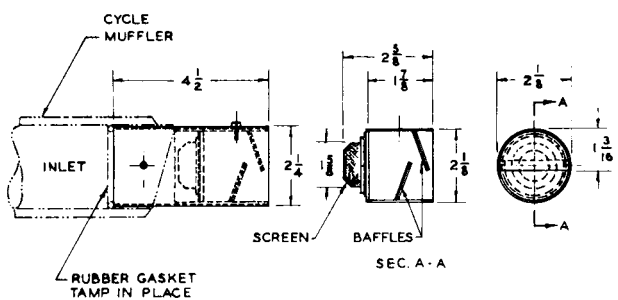


400B

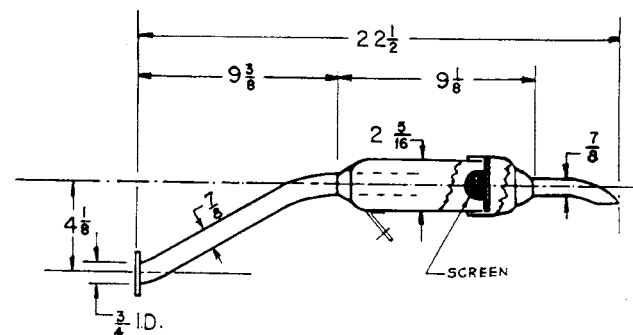


751A

TILLERY



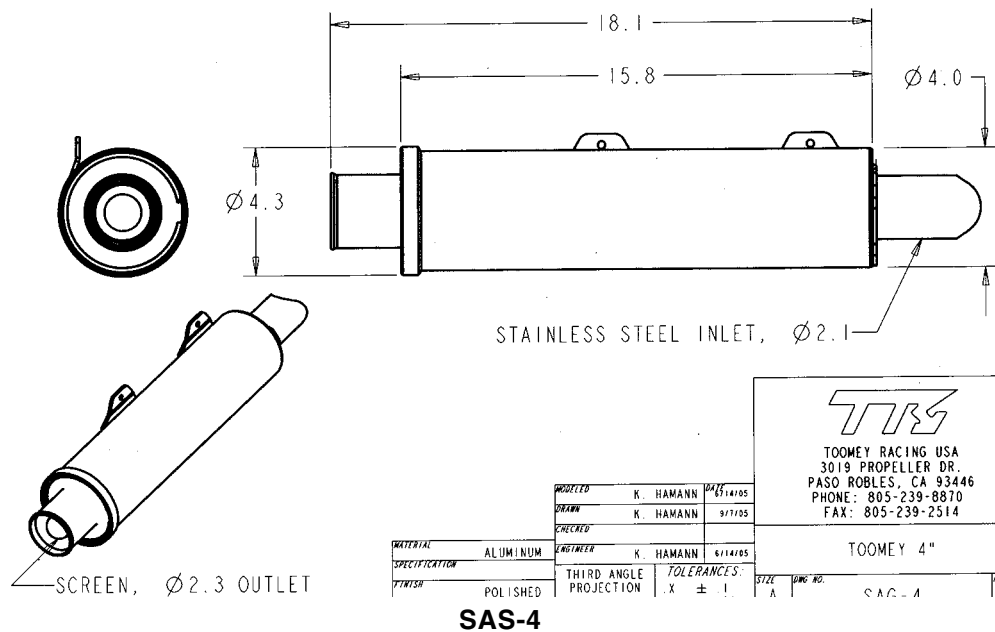
T-134
(SCREEN TYPE)



T-234
(SCREEN TYPE)

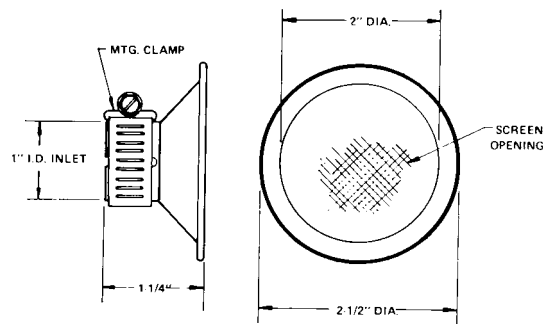
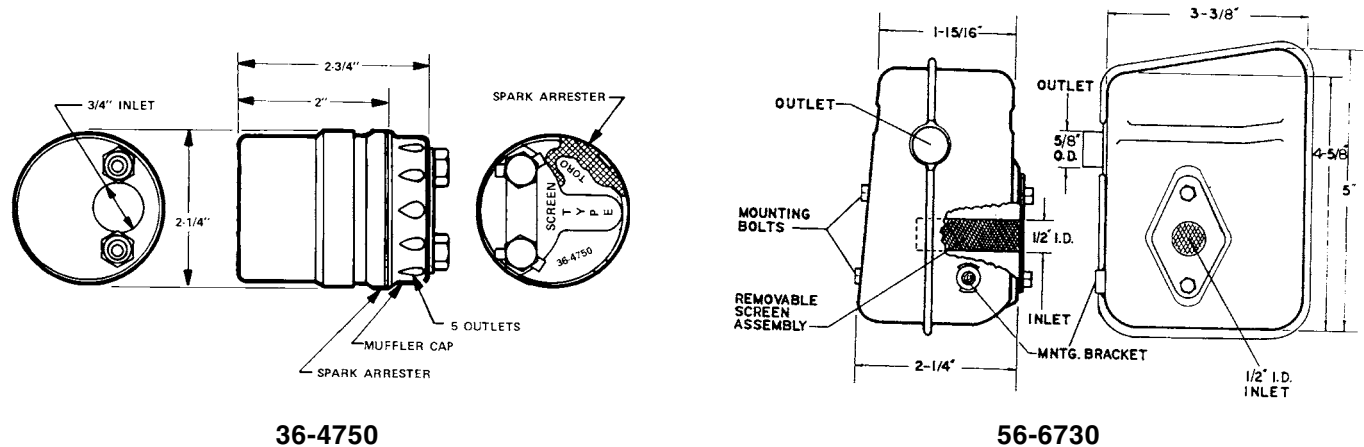
TOOMEY RACING•TORO

TOOMEY RACING



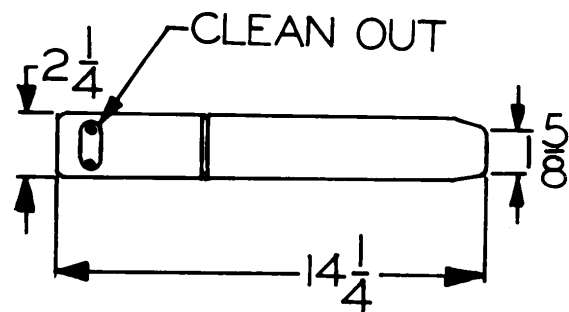
SAS-4

TORO

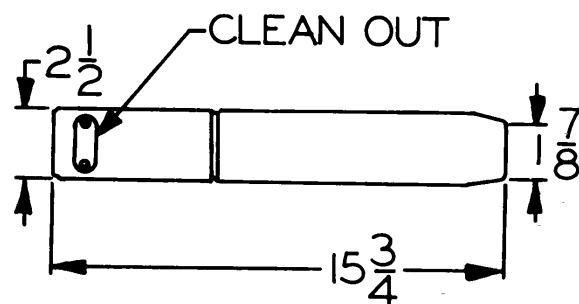


TORQUE•TWO BROTHERS RACING

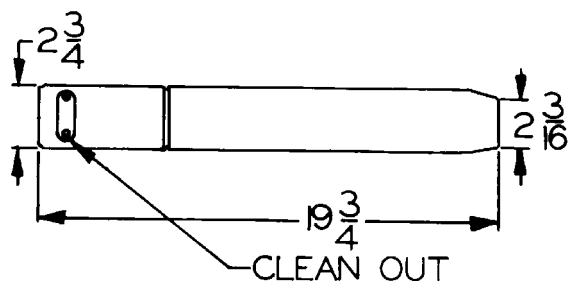
TORQUE



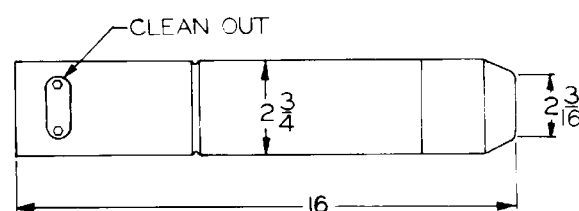
TQ-1000



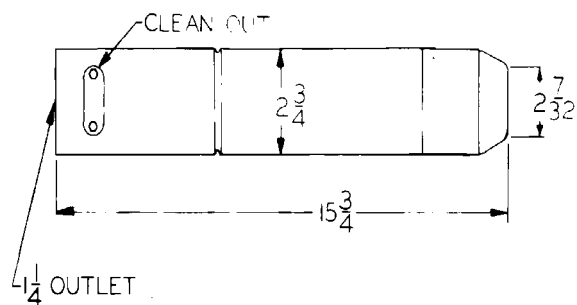
TQ-2000



TQ-3000

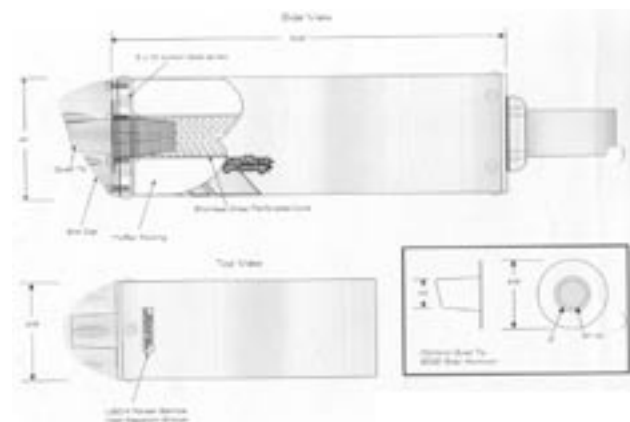


TQ-3000A

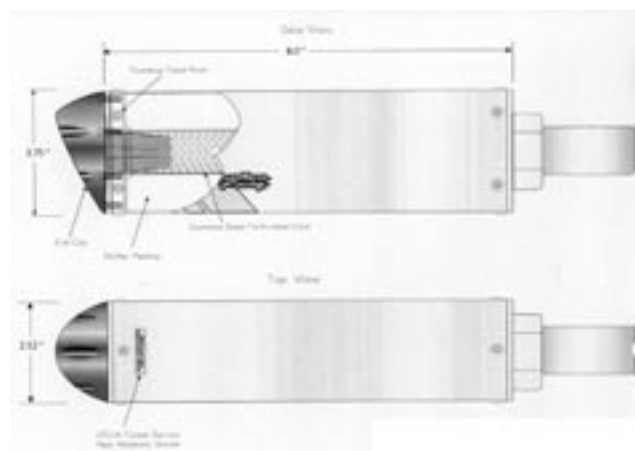


TQ-3000B

TWO BROTHERS RACING

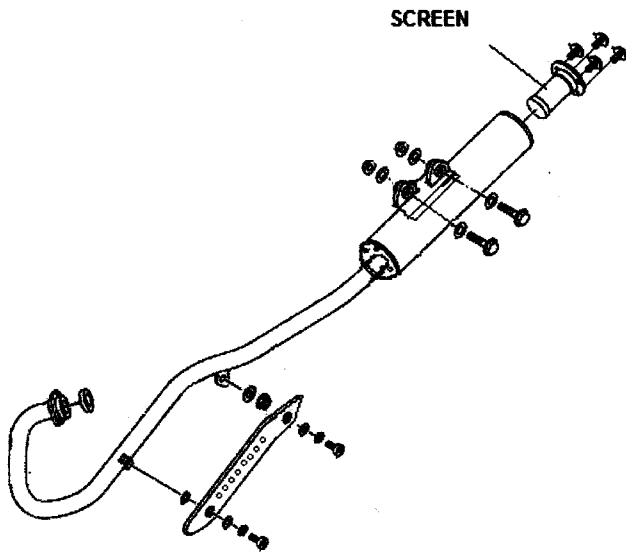


TBR001

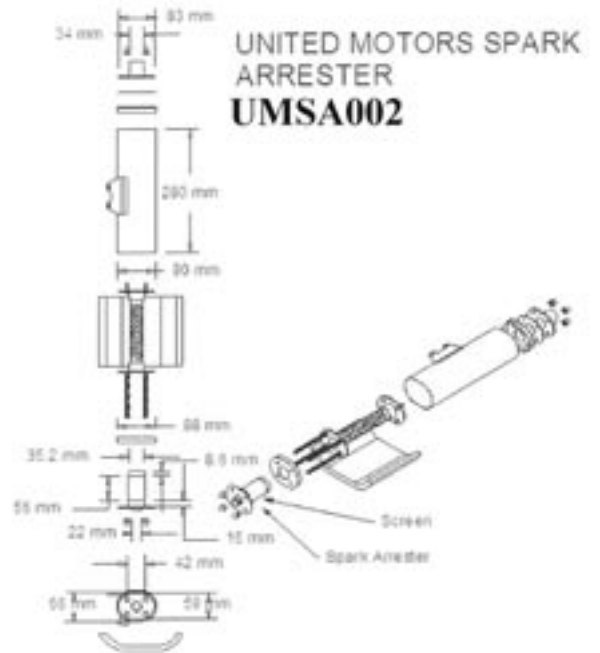


TBR002

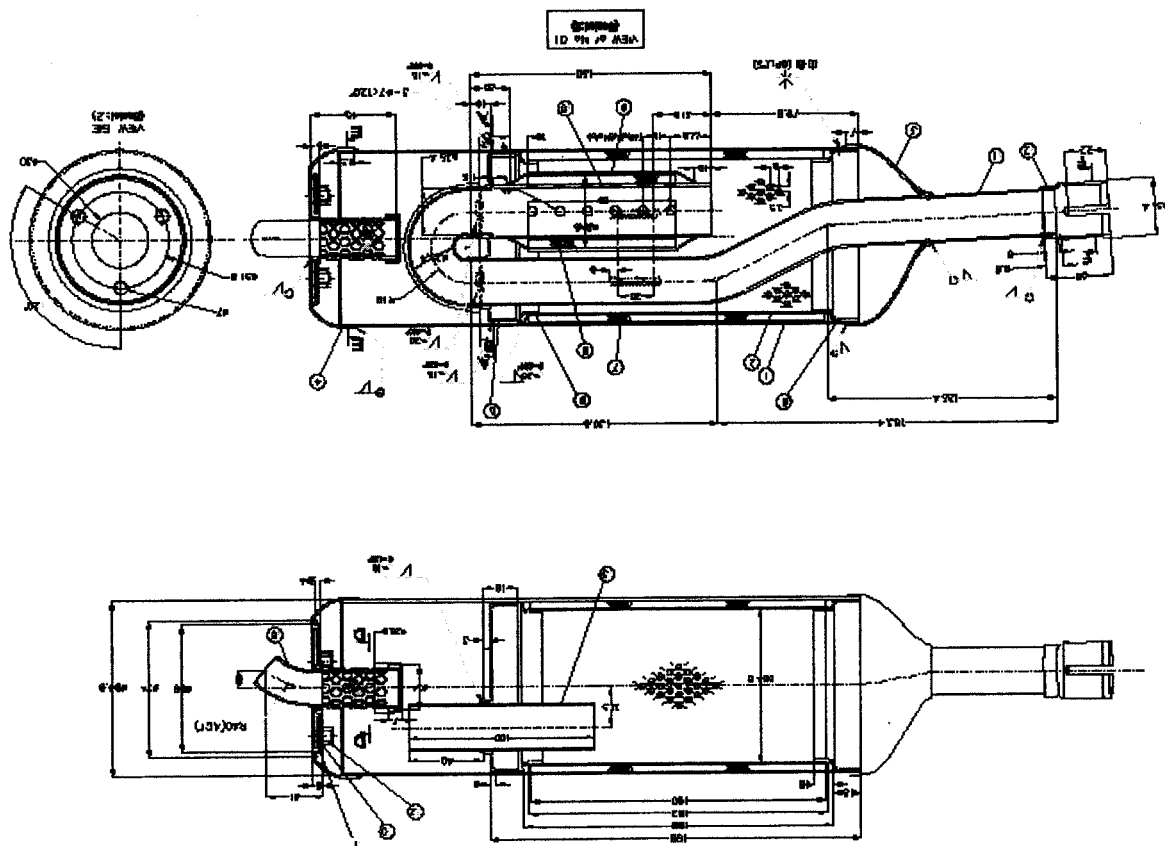
UNITED MOTORS OF AMERICA
UNITED MOTORS OF AMERICA



UMSA001



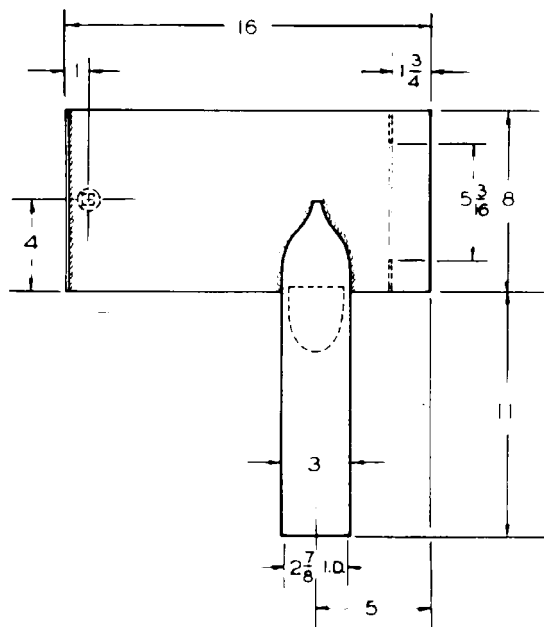
UMSA002



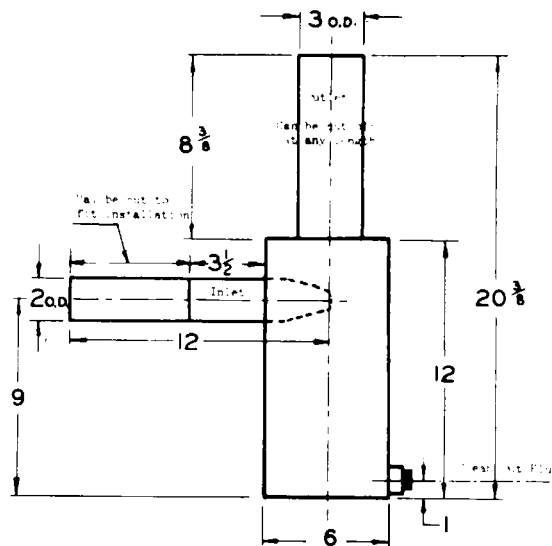
UMSA003

USDA FS•WACKER•WAJAX PACIFIC

USDA FS



FS-3



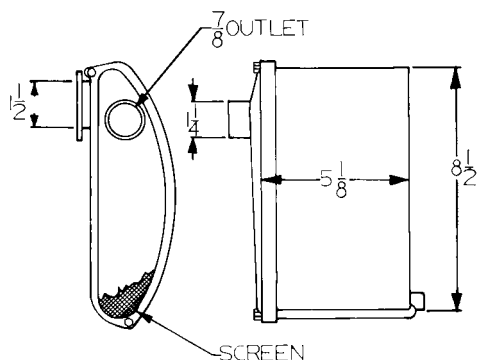
FS-4

WACKER

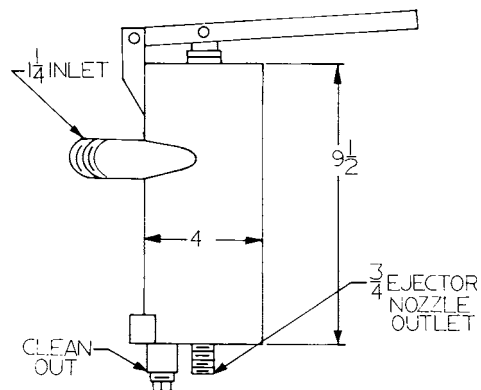
No diagrams available:

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

WAJAX PACIFIC



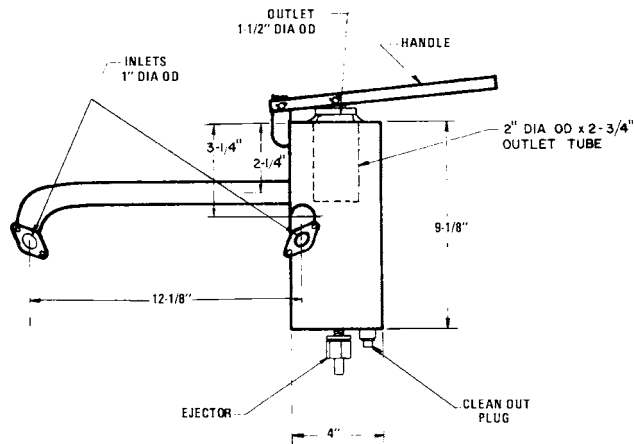
MODEL 2



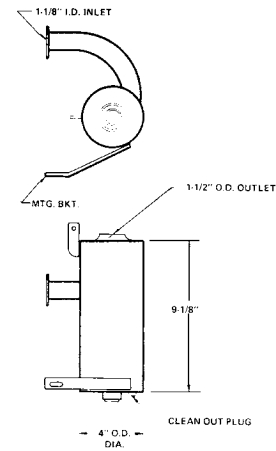
D-4479

WAJAX PACIFIC•WALKER•WASHINGTON

WAJAX PACIFIC (continued)



PB-1196



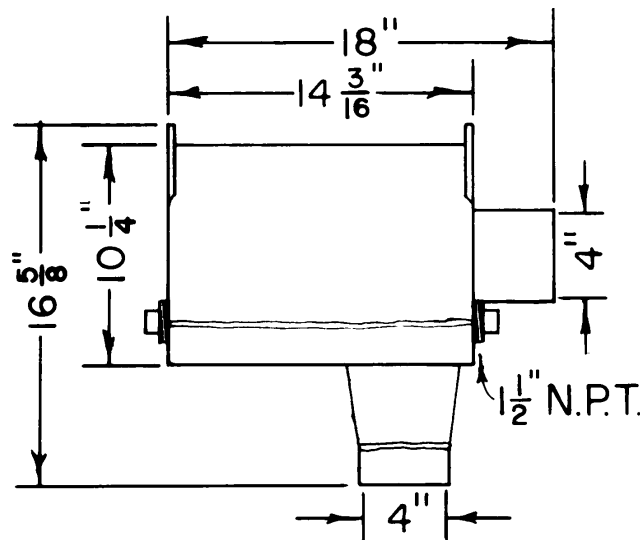
PC-1216

WALKER

No diagrams available:

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

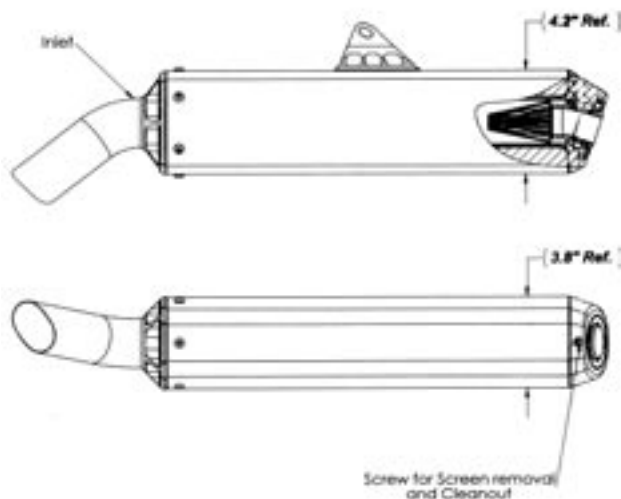
WASHINGTON



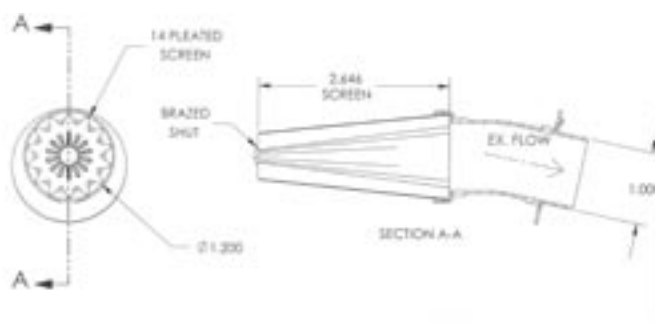
NO. 3

WHITE BROTHERS•WILDFIRE FIRE EQUIPMENT

WHITE BROTHERS

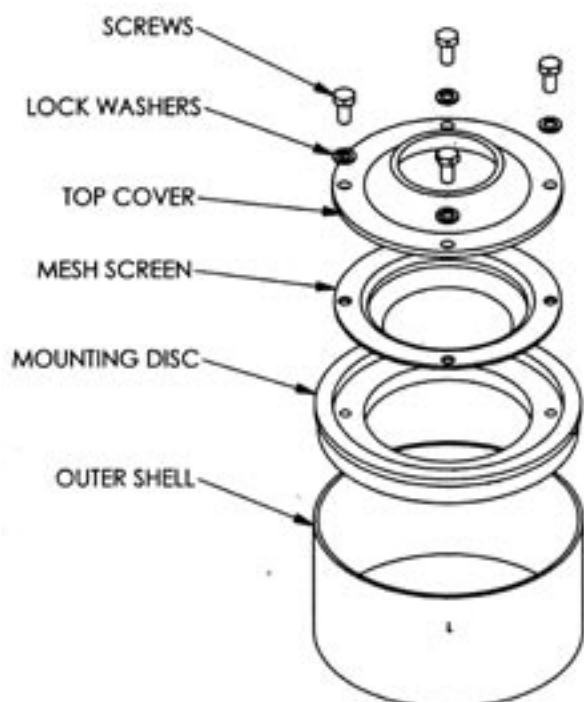


WB2004

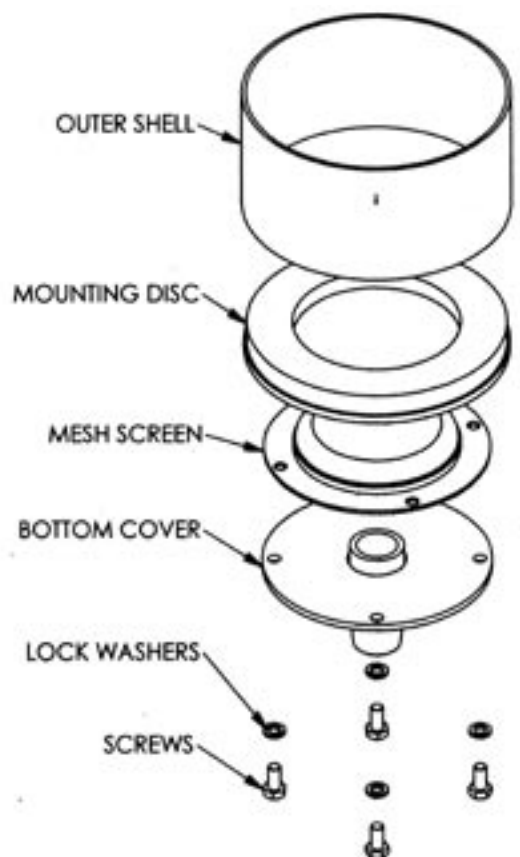


WB2006

WILDFIRE FIRE EQUIPMENT



EXPLODED DETAIL
TOP COVER ASSY



EXPLODED DETAIL
BOTTOM COVER ASSY

C-7590

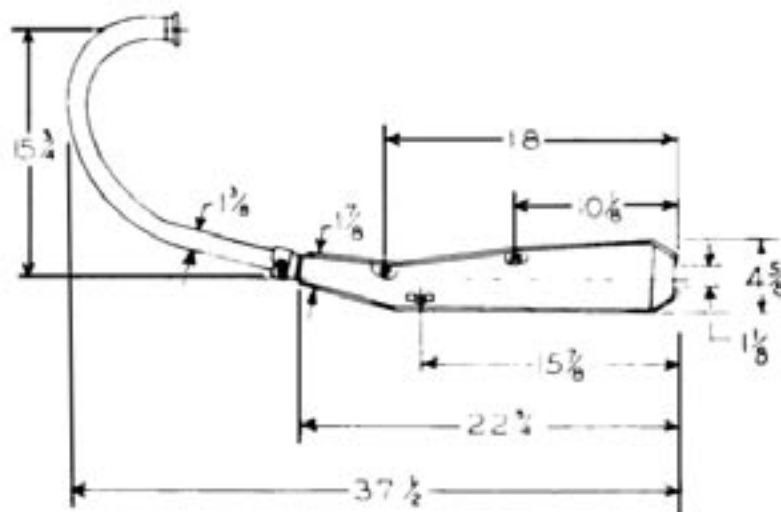
WILDFIRE PACIFIC•WINTEC•XDUCER

WILDFIRE PACIFIC

No diagrams available:

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

WINTEC

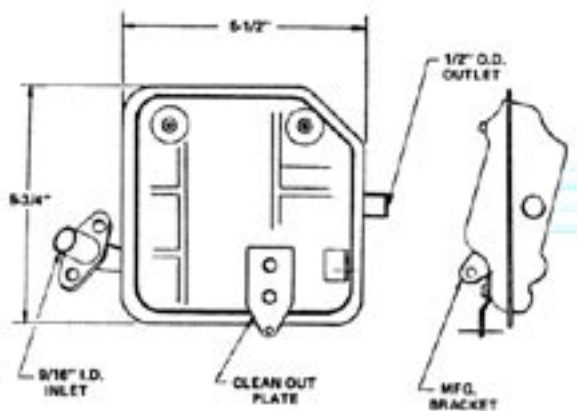


500

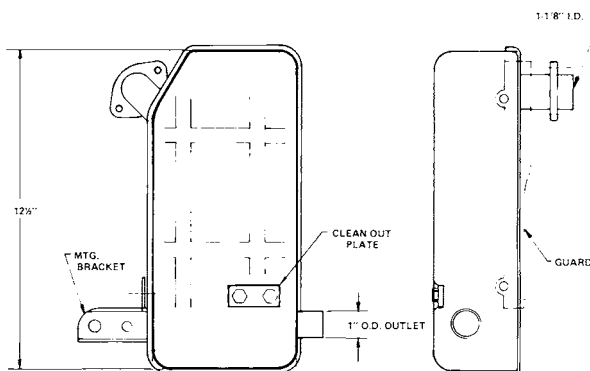
XDUCER

No diagrams available:

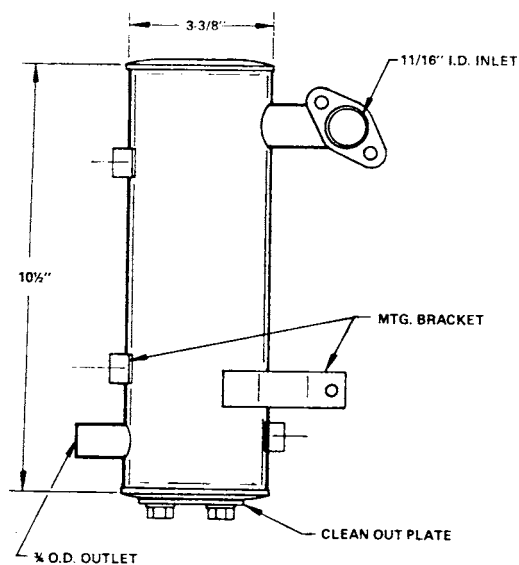
Refer to General Purpose Qualification Table
at end of section for rating.



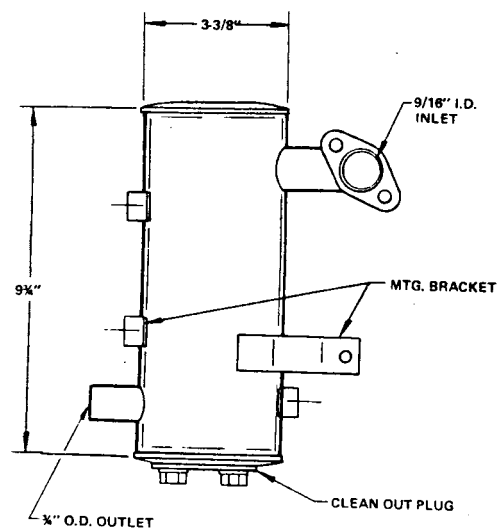
EG 106



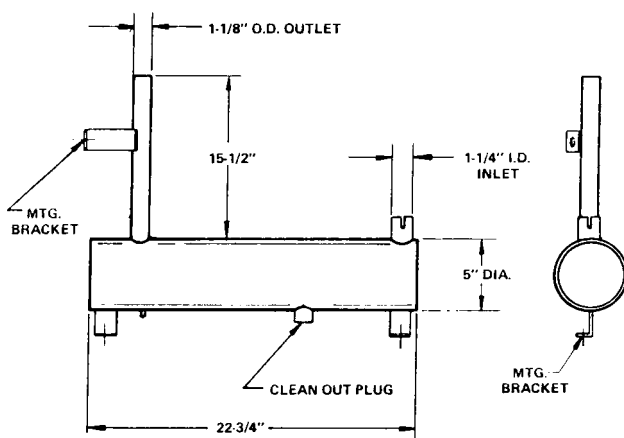
EG 107



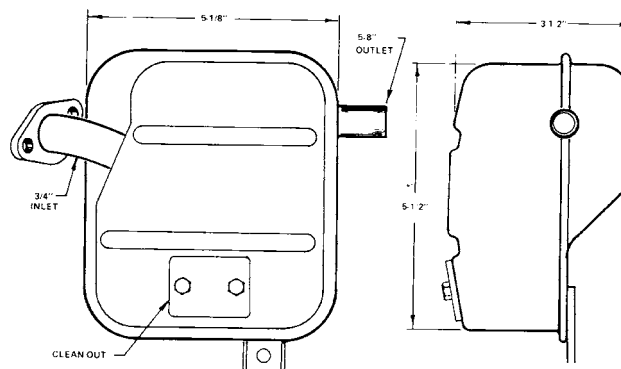
EG 108



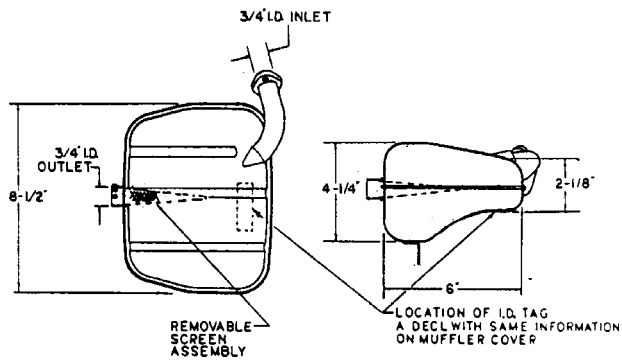
EG 109



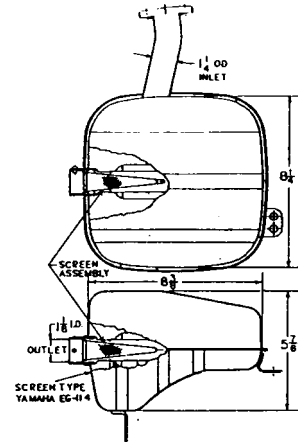
EG 110



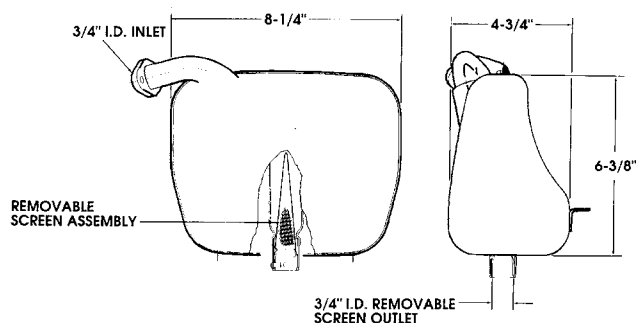
EG 111



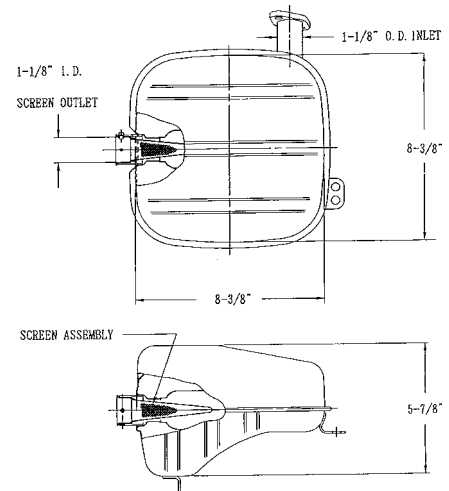
EG 113



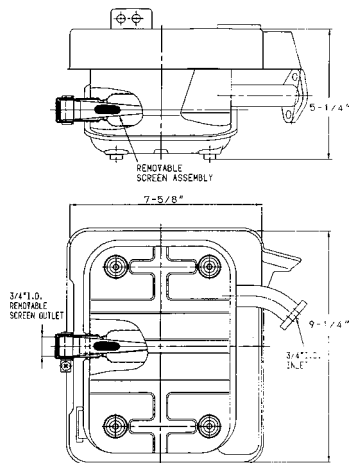
EG 114



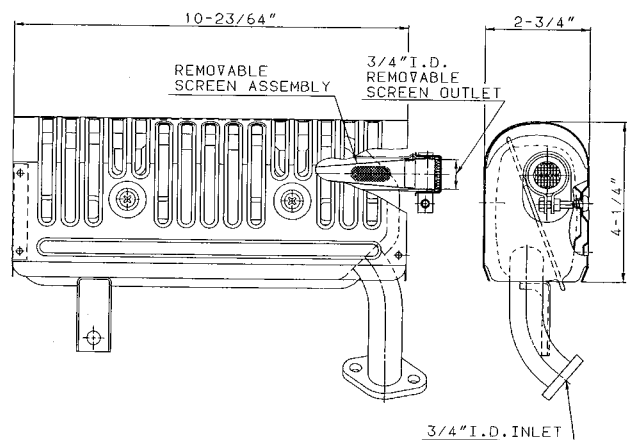
EG 116



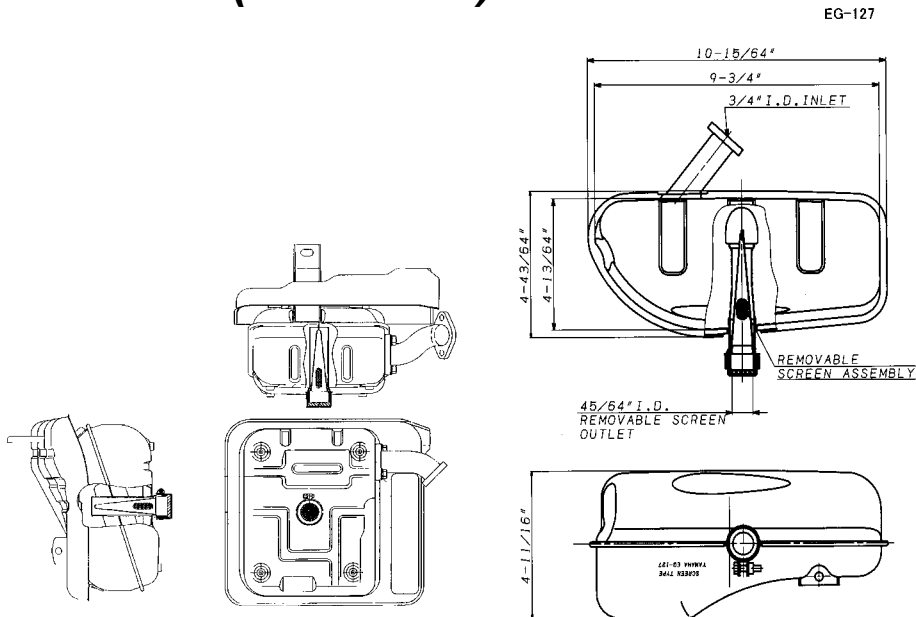
EG 117A



EG 118

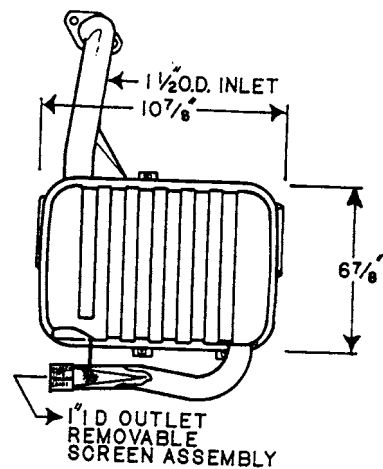


EG 119

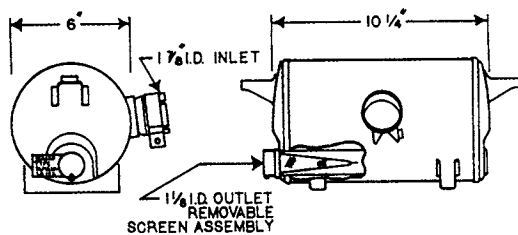


EG-120

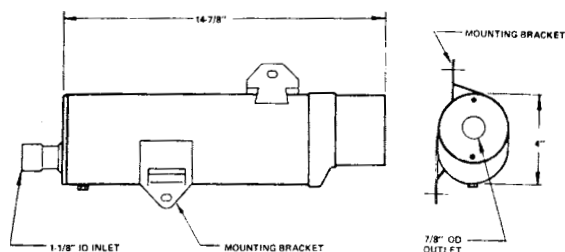
EG-127



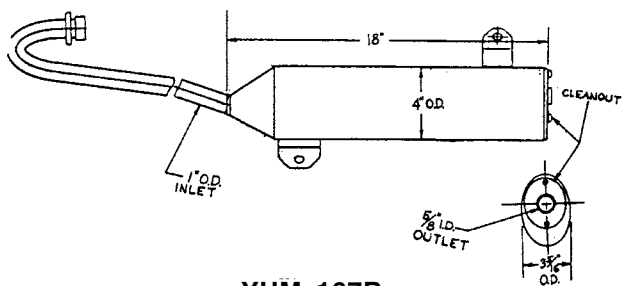
LG 101



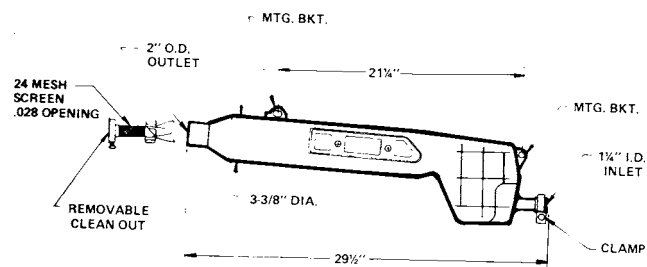
LG 102



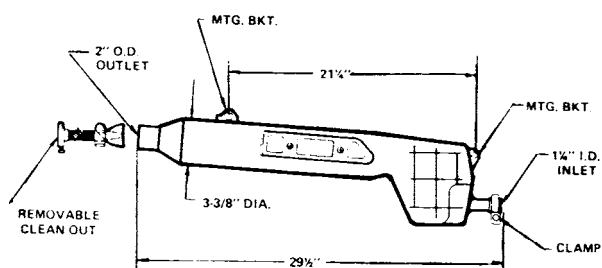
YHM 167A



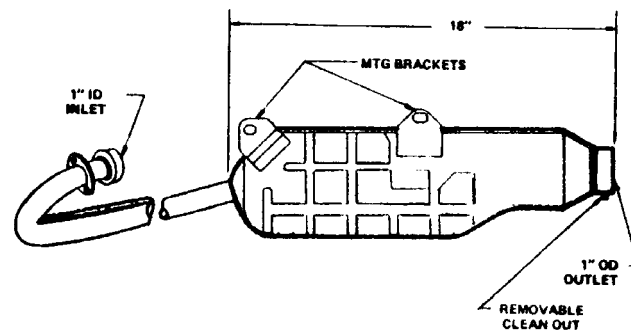
YHM 167B



YHM 200



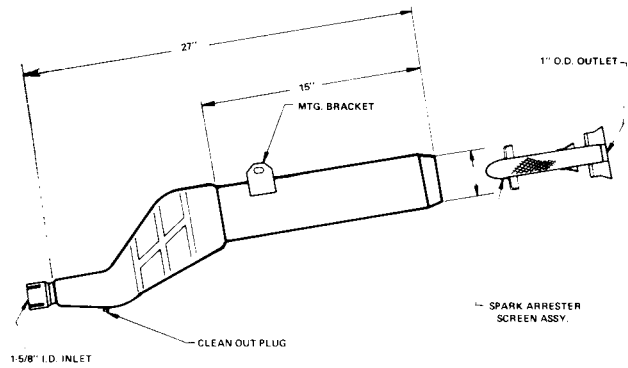
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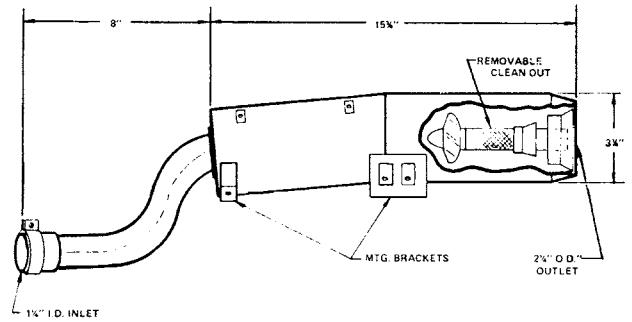
YHM 200B

YAMAHA

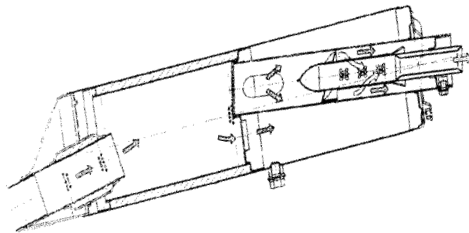
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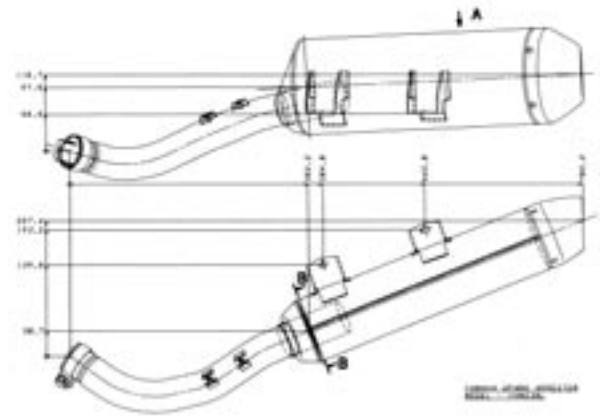
YHM 220



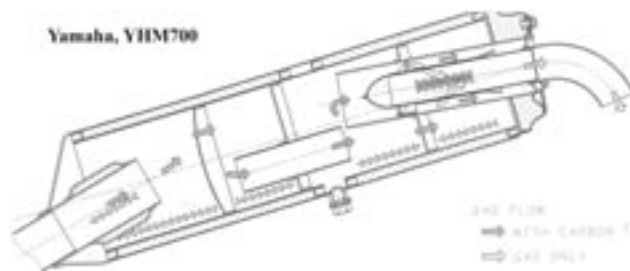
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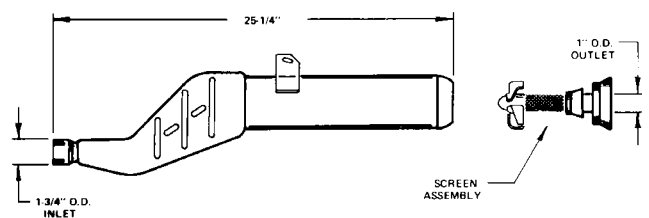
YHM 238J



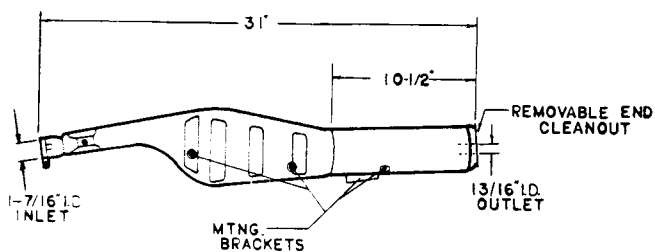
YHM 238L



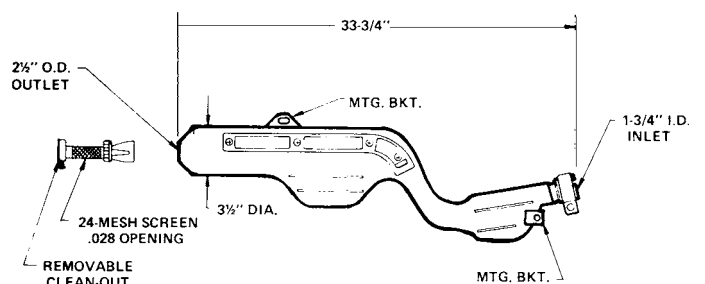
YHM 700



YMH 220B



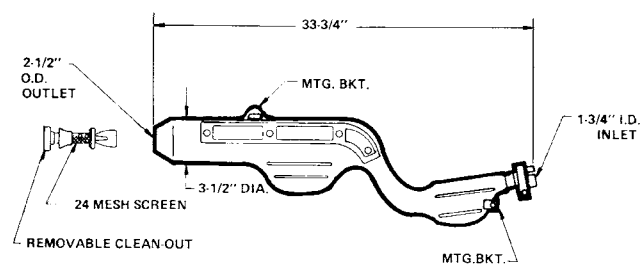
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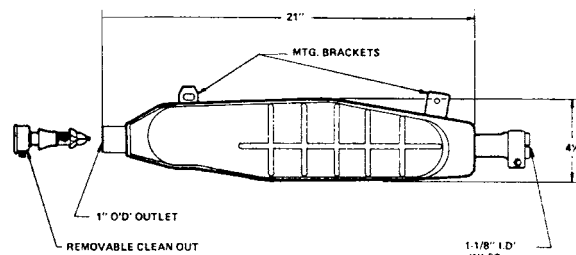
YMH 238

YAMAHA

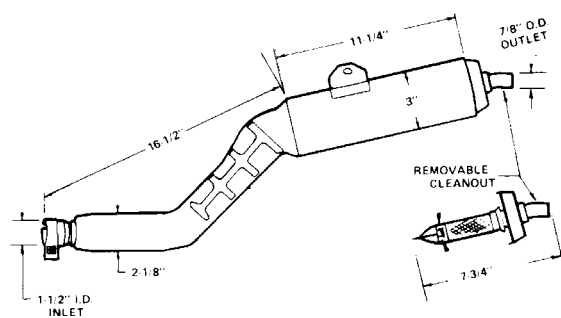
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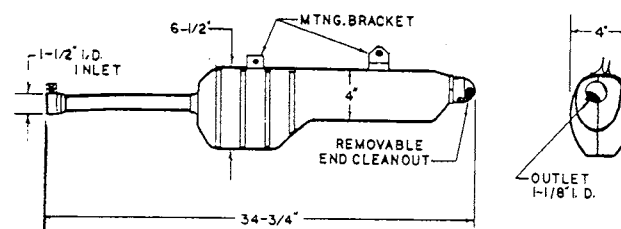
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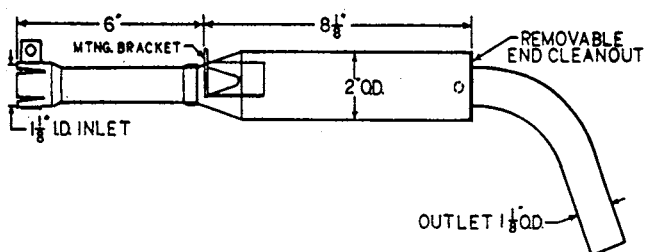
YMH 238B



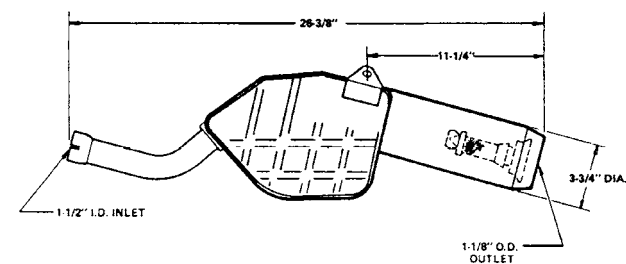
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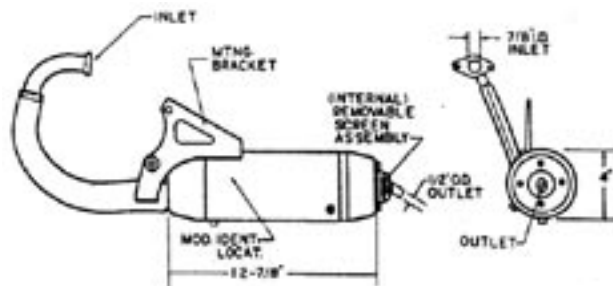
YMH 238D



YMH 238E



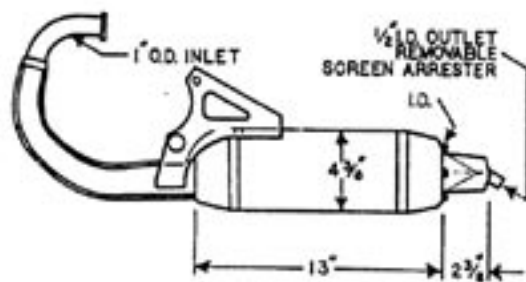
YMH 270



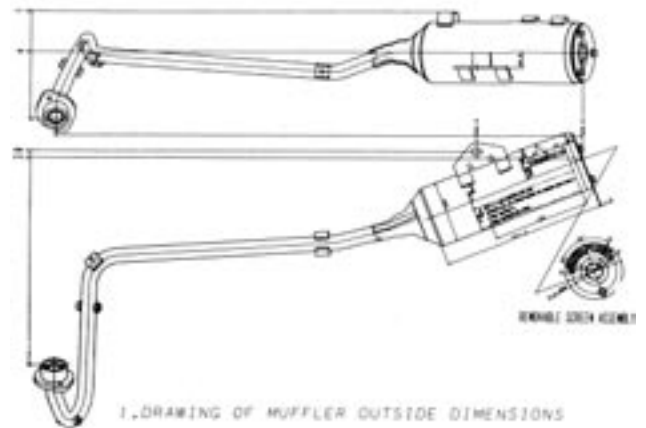
YMS 50

YAMAHA

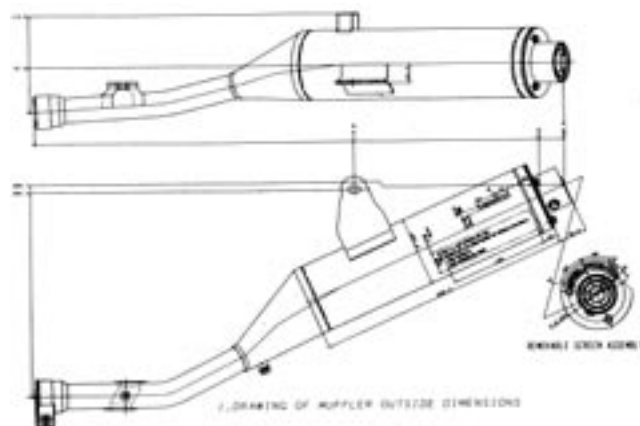
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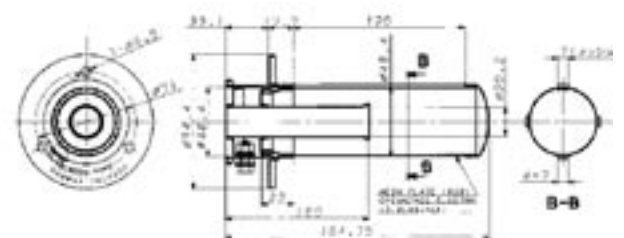
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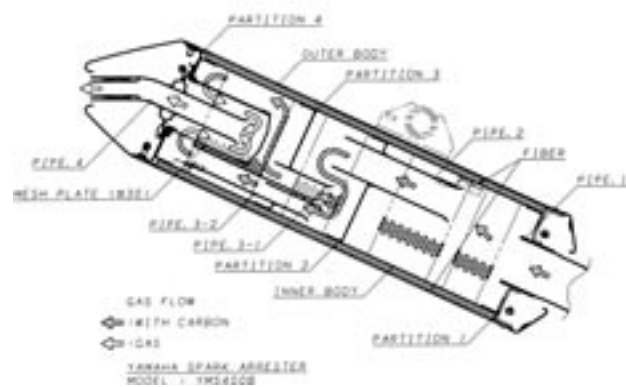
YMS 125A



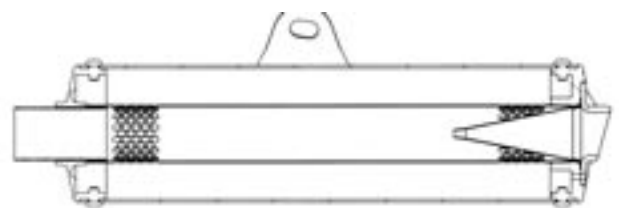
YMS 230



YMS 400A



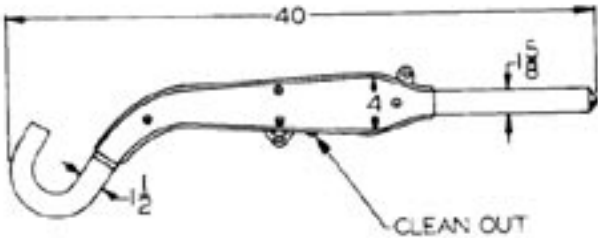
YMS 400B



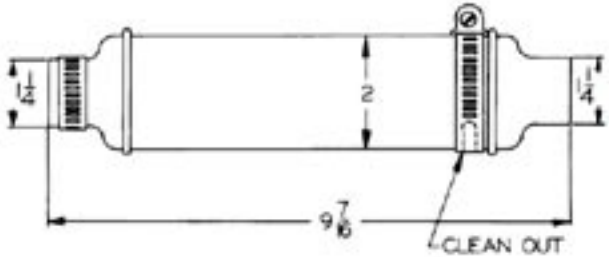
YMUS-10

YAMAHA-KRIZMAN

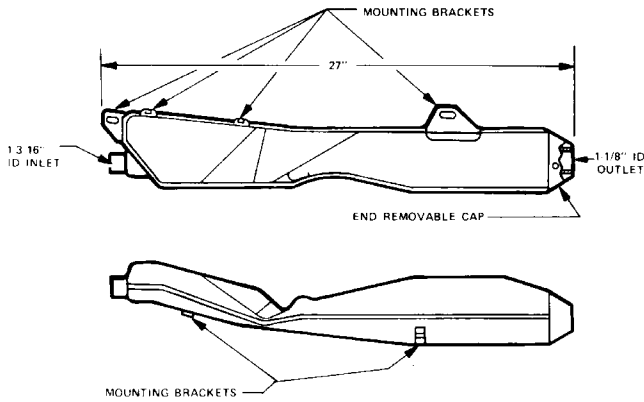
YAMAHA-KRIZMAN



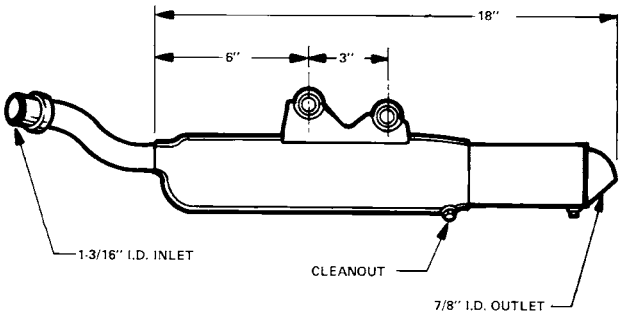
KS 250



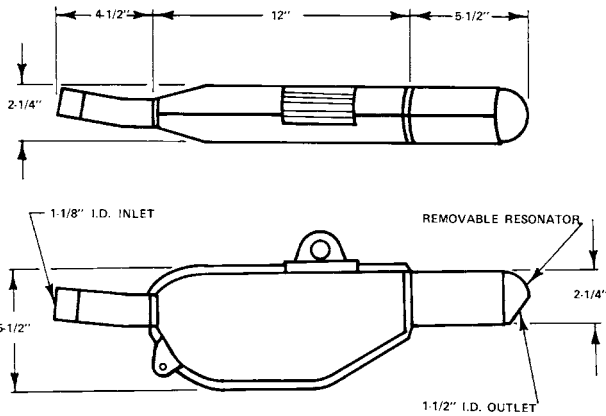
KS 350



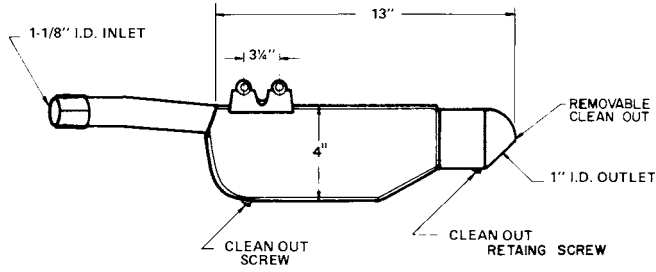
KS 375A



KS 375B



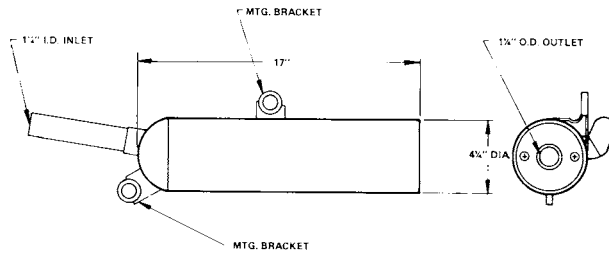
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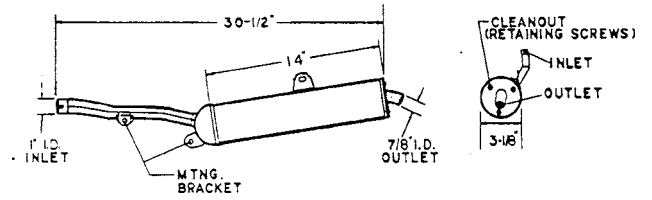
KS 375D

YAMAHA-KRIZMAN

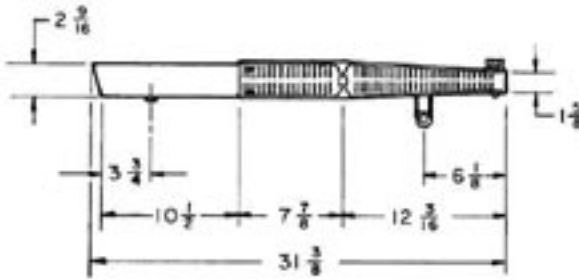
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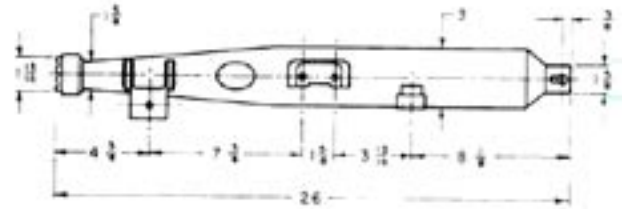
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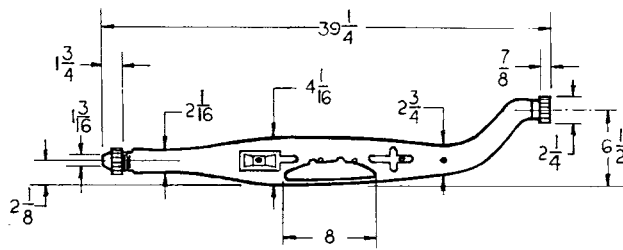
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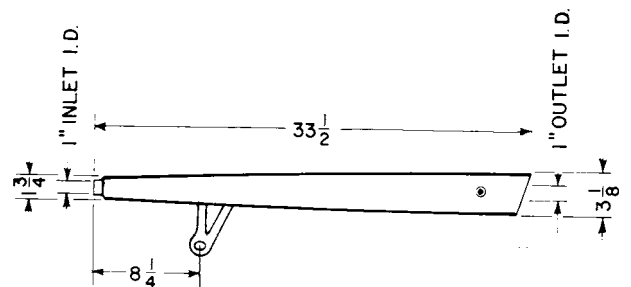
YS 80



YS 125



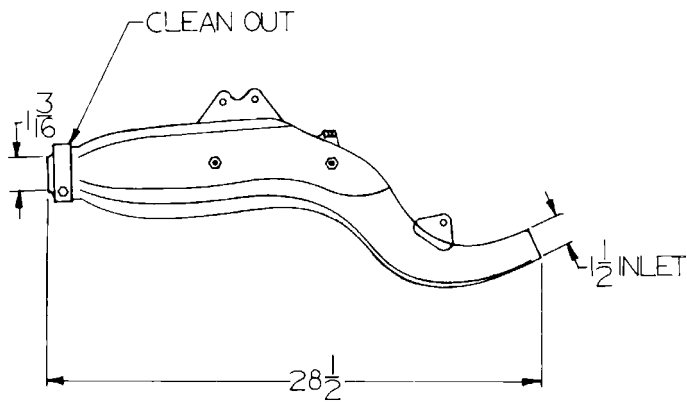
YS 250



YSU 80

YAMAHA-SKYWAY•YELLOW JACKET

YAMAHA-SKYWAY



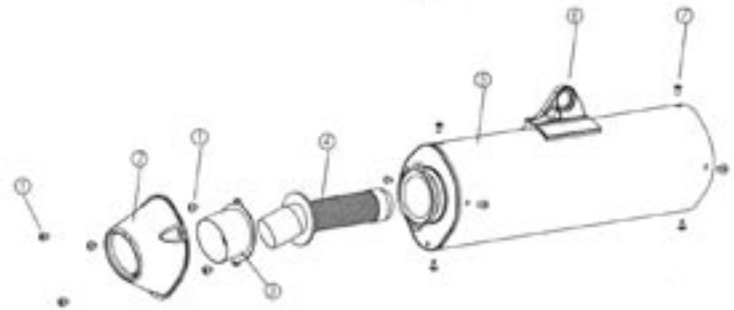
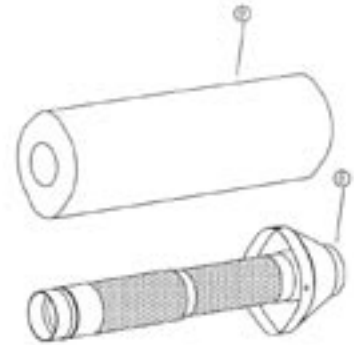
**SERIES 300
MODEL 520**

YELLOW JACKET

No diagrams available:

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

YOSHIMURA

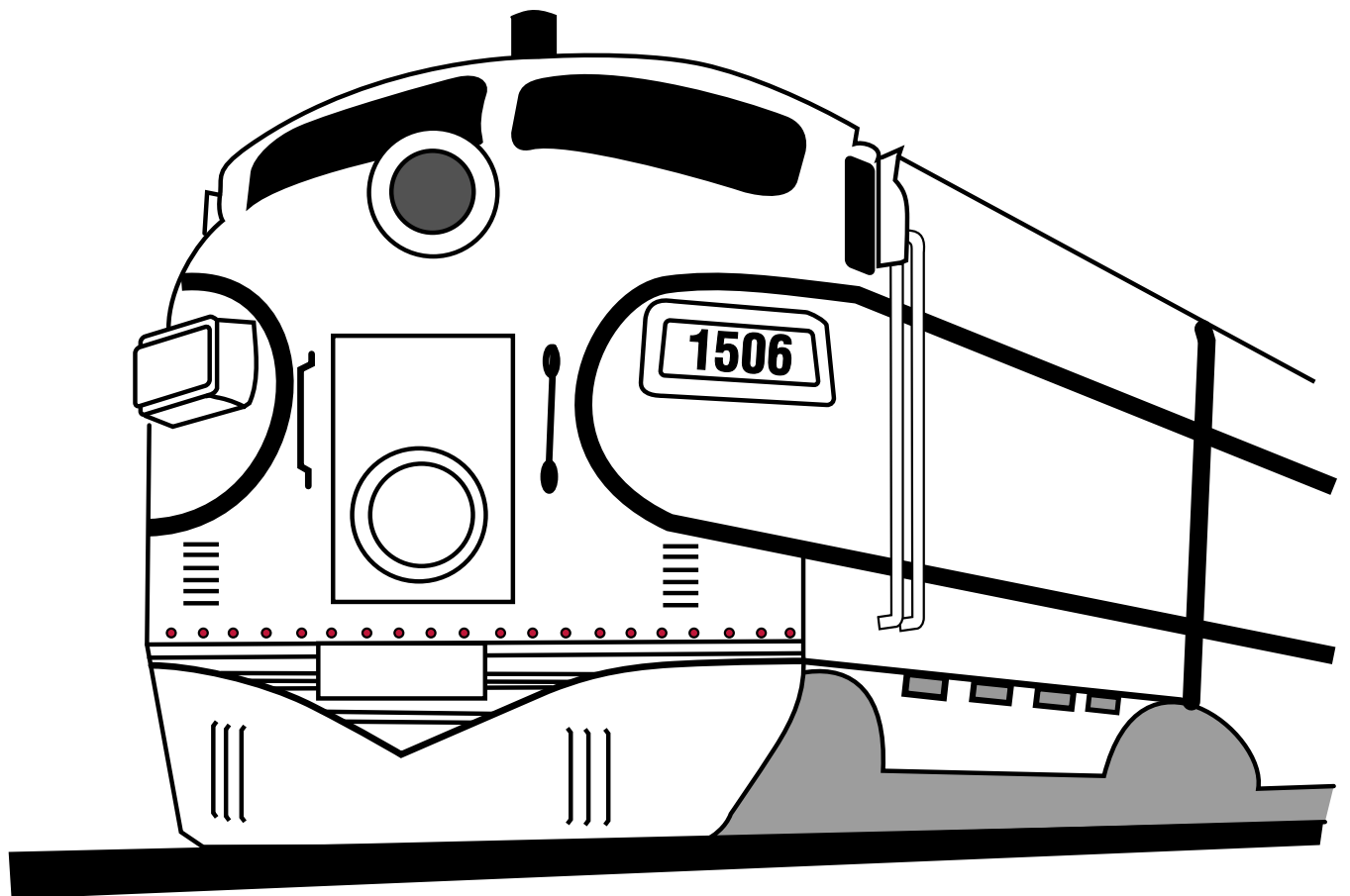


TEC-SD

[illegible]

8000

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 USDA 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.

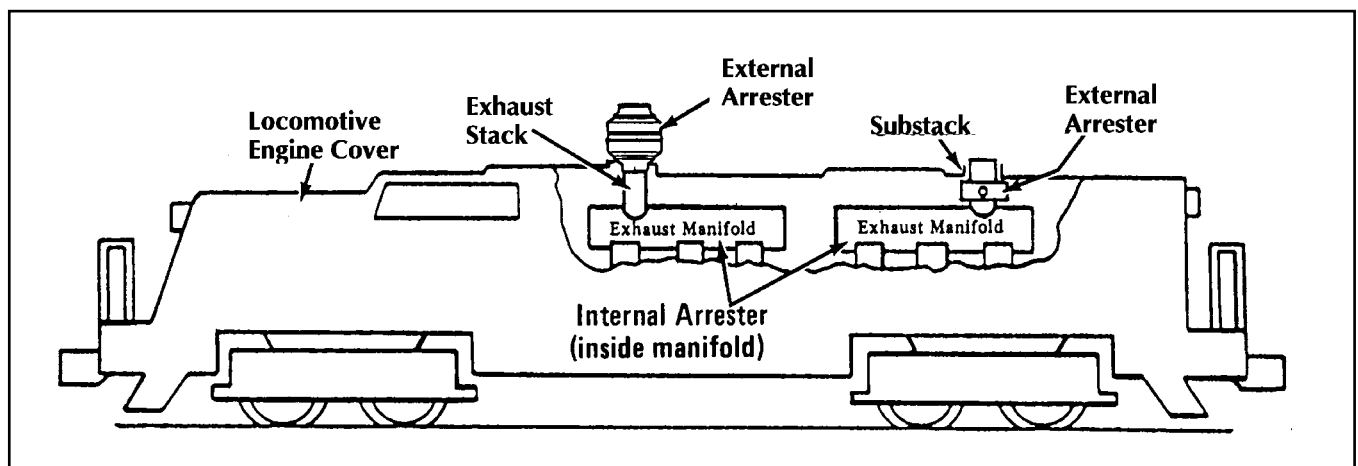
Note:

- 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:

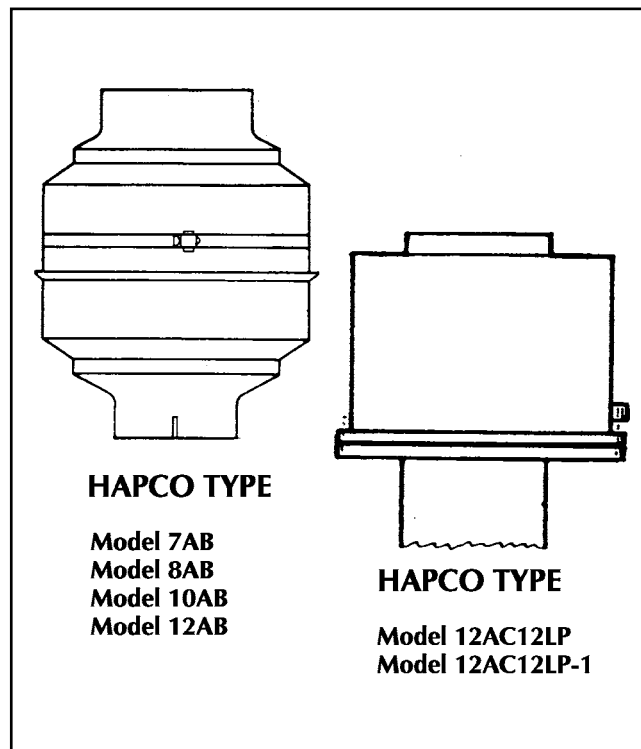
- Miscellaneous hand tools
- Coveralls
- Gloves
- Goggles
- Flashlight
- Mirror
- Carbon particle collection containers.

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.



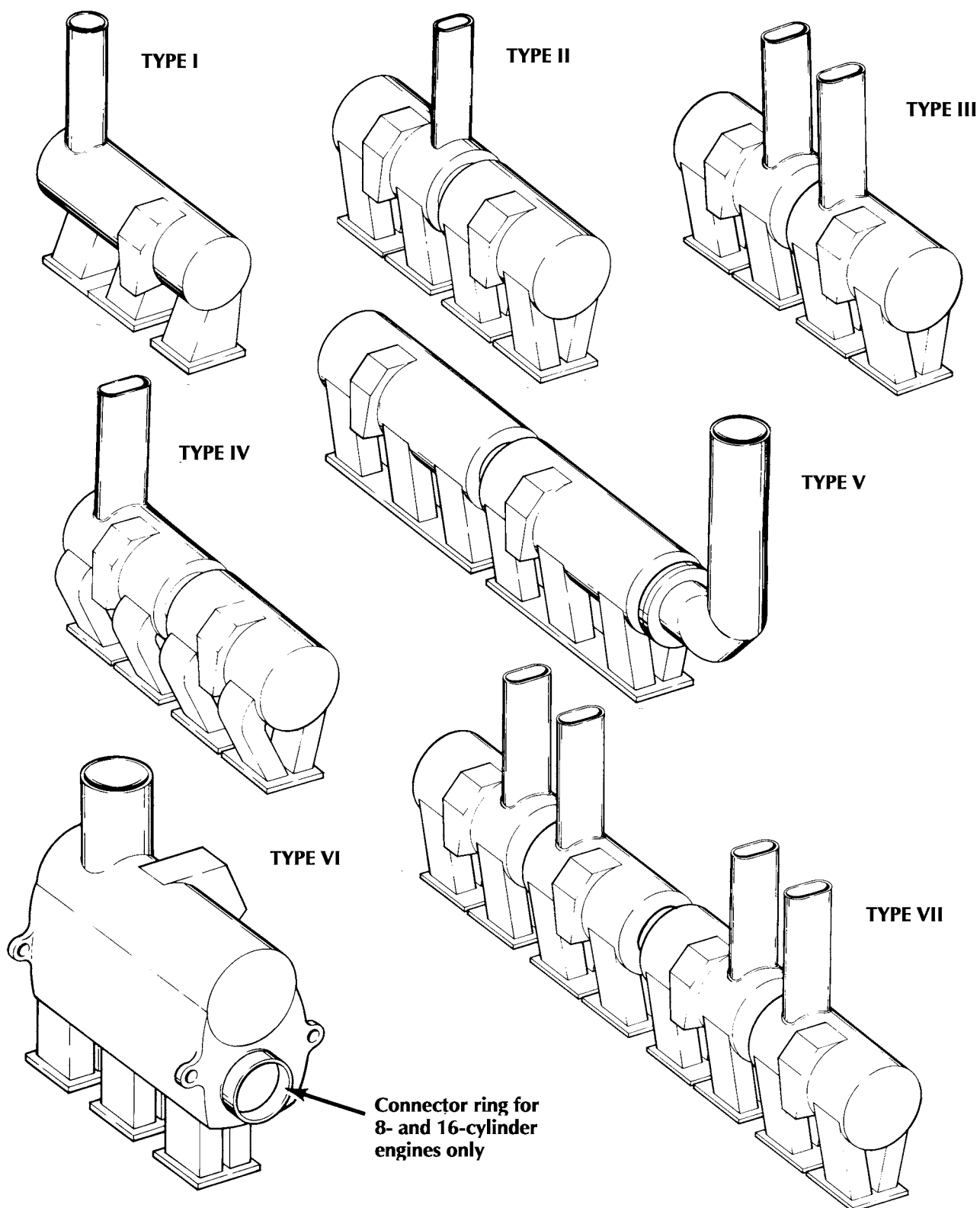
INTERNAL OR MANIFOLD-TYPE

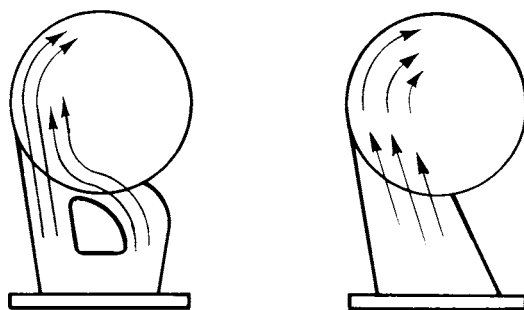
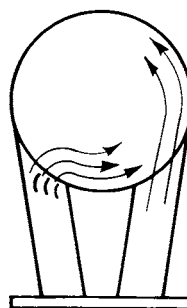
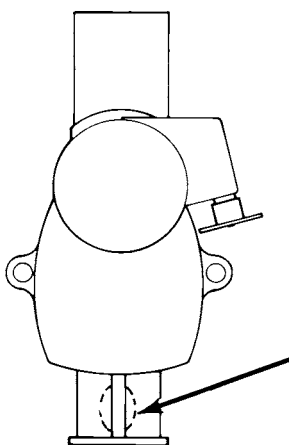
Spark arresters have seven basic body variations referred to as Types I through VII. Each of these body types may use one or more of four leg configurations referred to as A-swirl leg, B-bent leg, C-straight leg, or D-short straight leg. *See the following pages for illustrations.*

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**

567 engine only—
two legs at stack end
of arrester manifold

TYPE D SHORT STRAIGHT

2007 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 with out 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)		~
11	EMD	EMD 32379SDA	IV	C	
12			(w/o stack)		
13	EMD	EMD 32379SDAB	IV	C	
14			(w/o stack)		
15	EMD	EMD 44379	II	C	For GP-38, two units , one with exhaust stack and one without stack make a set. ~
16			(with stack)		
17	EMD	EMD 44379B	II	C	
18			(w/o stack)		
19	EMD	EMD 8426352	I	A	Two sections form unit for half of 16 cylinder engine. Two stacks at opposite ends. ~
20			(with stack)		
21	EMD	EMD 8426353	I		
22			(w/o stack)		
23	EMD	EMD 8426353	I	A	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.
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)		

2007 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 arrestor unit** with 4 leg manifold
52					connector
53	EMD	EMD 9501801C	VI	D	For 8-645 engine-1 spark arrestor unit** with two leg
54					manifold connector
55	EMD	EMD 9515814A	VI	D	For 12-645 engine-2 independent spark arrestor 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 arrestor units**.
59	EMD	EMD 9531223	VI	D	For 16-567A thru 16-567D engines - 2 spark arrestor units**
60					with 4 leg manifold connector.
61	EMD	EMD 9531223	VI	D	For 8-567A thru 8-567C engines-1 spark arrestor unit** with
62					two leg manifold connector.
63	FAR	C-37223***	I	C	Spark arrestor 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

2007 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	~

2007 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 interconected.
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.

2007 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.

2007 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*	External	N/A	
174					
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.*

2007 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 turbo-charged locomotive, inspect the eductor tubes.
- If the locomotive is muffler equipped, the eductor must be removed for inspection.
- If not turbo-charged, 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

*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 x engine size in cc)]
Over 675 cc	“Closing RPM” divided by 1.1

RECOMMENDED SOUND LIMITS

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

Motorcycles & ATVs	Maximum Sound Level
General Off-Highway Use	96 dB(A) with (SAE J1287)
Closed-Course Competition Events	The sound limits estab- lished by the organiza- tion sanctioning the event should be fol- lowed.

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.

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

ARTIC CAT ATVs																									Revised 6/23/06									
ENGINE MODEL		MODEL YEAR																																
Engine 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	50 2x4	JA50																		3500	3500	2750	2750											
90	90 2x4 2 Stroke	JA90																		3500	3500	3750	3750											
	90 2x4 4 Stroke	CT90																		3500	3500	3750	3750											
250	250 2x4	J432																		3750	3750	3750	3750											
	250 4x4	J433																		3750	3750	3750	3750											
300	300 2x4	K411													4650	4650	4650	3500	3500	3500														
	300 4x4	K411													4650	4650	4650	3500	3500	3500														
375	375A 2x4,4x4	K424,K425																		3250														
400	400 2x4	K408													4250	4250	4250	3500	3500															
	400 4x4	K413													4250	4250	4250	3500	3500															
	400A 2x4	K424																		3250	3250													
	400A 4x4	K425																		3250	3250	3250	3250											
	400M 2x4	K426																		3500	3500													
	400M 4x4	K427																		3500	3500	3500	3500											
	400 DVX	K428,K430																			3500	3500	3500											
454	454 2x4	K404													4300	4300																		
	454 4x4	M403,K403												4300	4300	4300																		
500	500/M 4x4	M406													4250	4250	4250	3000	3000															
	500A 4x4	M408															4250	3000	3000															
	500A 4x4	M410																		3000	3000	3000	3000											
	500M 4x4	M412																																
650	650A H1 4x4	10A650																																
	650A V-2	VF650																			3250	3250	3250											
ATK MOTORCYCLES																																		
ENGINE MODEL		MODEL YEAR																																
Engine 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																																
250	ATK250(all)	148						5000	5000																									
	250	257										3875	3875																					
	260LQ	287										4200	4200																					
350	350	348										3750	3750																					
	ATK350(all)	237						5500	5500																									
406	ATK406(all)	157						4500	4500																									
604	ATK604(all)	257						4000	4000																									
605	605	604,504										3500	3500																					
	605	560										3650	3650																					
		Note: Test RPM not available after 1995 model year																																

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

HONDA MOTORCYCLES																							
Engine Size (cc)	MODEL	ENGINE PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	MODEL YEAR									
			TEST RPM																				
50	CRF50F	AE03E																					
	XR50R	AE03E																					
	Z50R	AB02E	3750	3750	3750	4250	4250			4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	
	ZB50	AB22E				4000																	
	DE02E																						
70	CRF70F	DE02E																					
	DB01E																						
	DE02E								4000	4000	4000	4000										4000	4000
80	XR70R	DE02E																					
	CR80R*/RB*	HE04E	7500	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6250	6250	6250	6250	6250	6250	6250	6250	4000	
	CRF80F	HE01E																					
	XL80S	HD04E	3250																				
	XR80R	HE01E	5250	5250	5000	5000		5000	5000		5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
85	CR85R*/RB*	HE07E																					
	HE06E																						
90	EZ90(CUB)	HE06E																					
	CRF100F	HE03E																					
100	XL100S	HD05E	4750																				
	XR100	HE03E	4750																				
110	XR100R	HE03E																					
	CT110	JD01E																					
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																					
	ME04E, ME05E																						
200	XR200R	ME09E																					
	CRF230F	ME09E																					
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																					
	XR250L	MD22E																					
	XR250R	49S ME06E																					
350	XR250R	CA ME06E																					
	XL350R	ND03E	3750																				
400	XR350R	NE01E	3750																				
	FL400	TE16E																					
450	XR400R	NE03E																					
	CRF450R*	PE05E																					
500	CRF450X	PE06E																					
	CR500R*	PE02E	3250	3250	3250	3000																	
600	XL600R	PD03E	3000	3000	3000																		
	XR600R	49S PE04E	3250	3250	3250	3125																	
650	XR600R	CA PE04E																					
	XR650L	RD06E																					
	XR650R	RE01E																					
* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles																							

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

[illegible]



1985-2005 Model Test RPM Data
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KAWASAKI MOTORCYCLES		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																					
50	KDX50-A1-3	A102																						
60	KX60-B1-4,B9-11,B17-19*	KX060BE	6000	6000	6000	6000					6000	6000	6000						6000	6000	2500	2500	2500	
	KX60-B6-8*	KX060BE						3750	3750	3750														
	KX60-B12-16*	KX60BE												6315	6315	6315	6315	6315						
65	KX65-A1-A6*	KX065AE																6300	6000	6250	6250	6250	6250	
	KD80-M7-8	KD080ME		3250	3250																			
	KD80-N1-2	AR080AE				3500																		
	KDX80-C1-3,C5	DX080BE	5000	5000																				
	KX80-E3,G1-2*	KX080EE	6000	6000	6000																			
	KX80-L1-3,R1-75, T1-4*	KX080EE/RE					6000	6000	6000	6000	6000	6000	6000											
	KX80-R6-7,W1-3*	KX80RE/WE												6300	6300	6300	6300	6300						
85	KX85-A1-A5*	KX085AE																	6000	6000	6000	6000	6000	
100	KE100-B5,7,9-14	G5E,G5E1	3750	3750		3750		3750	3750	3750	3750	3750	3750											
	KE100-B15-19	G5E201/203												3900	3900	3900	3900	3900						
	KE100-B20	G5E21																	3750					
	KX100-B5-7,C1-3*	KX100BE/CE											6000	6300	6300	6300	6300	6300						
	KX100-D1-5*	KX100CE																	5750	5750	5750	5750	5750	
110	KLX110-A1-4	LX110AE																		3500	3500	3500	3500	
125	KLX125-A1,B1	F445																			4000			
	KX125-D1,E1-2*	KX125DE	5500	5500	5750																			
	KX125-F1,G1,H1-2,J1-2*	KX125FE/JE				5750		5750	5750	5750	5750													
	KX125-K1-5*	KX125KE											5625	5750	5900	5900								
	KX125-L1-2*	KX125KE															5800	5800						
	KX125-L3, L4*	KX125LE																	5750	5625				
	KX125-M1-3*	KX125ME																						
200	KDX200-A3	DX200AE	3750						6000	6000	6000													
	KDX200-C1-3	DX200CE	3500	3500		3500																		
	KDX200-E1-6	DX200EE					3750	4000	4000	4000	4000	4000												
	KDX200-H1-11	DX200HE													3700	3700	3700	3700	4000	4000	3500	3500	3500	
220	KDX220-A4-12	DX220AE																						
250	KDX250-D1-4	DX250DE/FE							3750	3750	3500	3500												
	KL250-D2-12	KL250DE	4500	4500	4250	4250		4250	4250	4250	4250	4250	4250											
	KL250-D13-17	KL250DE												3900	3900	3900	3900	3900						
	KL250-D18-22	KL250DE																	4250	4250	4250	4250	4250	
	KL250-G5-7 Super Sherpa	KL250GE																	4000	4000	4000			
	KLX250-D1-4	LX250DE												3900										
	KX250-D1-2*	KX250DE	4200	4000																				
	KX250-E1,F1,G1,H1-2,J1-2*	KX250EE			4250	4000		4000	4000	4000	4250													
	KX250-K1-5,L1-2*	KX250KE/LE												4000	4250	3700	3700	3700						
	KX250-L3, L4*	KX250LE																	4250	4250				
	KX250-M1-2* (2 Stroke)	KX250ME																			4250	4250	5500	
	KX250-N1-2* (4 Stroke)	KX250NE																				5500	4500	
	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 (cc)	MODEL	ENGINE PREFIX	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	MODEL YEAR									
			TEST RPM																				
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																		
	KL185-A1-2	LF185AE		3500	3500																		
220	KL220-A1-8	LF220AE/BE				3500	3500	3750	3750	3750	3750	3750	3750	3750									
	KL220-A9-15	LF220AE												3450	3450	3450	3450	3450	3750	3750			
250	KL250-C3	KZ250RE	3750																				
	KL250-A1-3	LF250AE																				3500	3500
	KSF250-A1-9,15-18	SF250AE			4000	4000	4000	4000	4000	4000	4000	4000	4000	4000								3500	3500
	KSF250-A10-14	SF250AE												3600	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					
	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																					
	KL300-B9-13,C8-12	LF300AE					3250	3250	3250	3250	3250	3250	3250										
	KL300-B14-18	LF300AE												3000	3000	3000	3000	3000					
	KL300-C13-17	LF300AE																	3250	3250	3250	3250	3250
	KVF300-A1-2,B1-2	VF300AE																	3250	3250	3250	3250	3250
	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																				3250	3250
	KVF700-A1-2,B1,D1	VF700AE																				3250	3250
750	KVF750-A1,B1	VF750AE																					3250

1985-2005 Model Test RPM Data

KTM MOTORCYCLES																							
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																				
50	Adventure,SX Mini Adv*	450									4800	4800	4800	4800	4500	4500	4500	4500					
	SX*	450																					
	SX3*	450										4500		4500									
	SXR,SXRP*,SXR PRO Jr/Sr*	450												4800	4800	4800	4800	4800					
	50 Jr/Sr/Mini Adventure*	450																4800	4800	4800	4800	4800	4800
	50 SX Pro Junior*	450																	4800	5100	5100	5100	5100
	50 SX Pro Senior*	451																	5100	5100	5100	5100	5100
65	65SX*	460														4750	4750	4750	4750	4750	4750	4750	4750
80	MX*	490			6000	6000																	
	MX*	490				5750																	
85	85 SX*	490																				4725	4725
105	105 SX*	490																				4725	4725
125	MX*,MXC*	500	4900	4900	4900																		
	MX*	502				5600																	
	MX*	502				5600																	
	SIX DAY*	502																					
	SX*,EXC*	502,503																					
	DXC*	502																					
200	EXC*,MXC*,Jack Piner*	523														4000	4000	4000	4000	4000	4000	4000	4000
250	DXC*	545,546				4100																	
	EXC*	546							4075	4075	4075	4015	4015	4000	4000	4000	4000	4000	3750	3750	3750	3750	3750
	MX*	543	3700	3900	4025																		
	MX*	545,546				4100			4075	4075	4075												
	MXC*	542,546	3700	3900																			
	SIX DAY*	546							4015				3750										
	SX*	546																					
	TXC	546								3750													
300	DX*,MX*,SX*	556							4025	4025	4025												
	MXC*	556																					
	EXC*	556																					
	TXC	556							3965	3965	3965	3965	3550	3550	3550	3550	3550	3550					
	EXC*/MXC*	547																					
350	MX*,MXC*	555																					
	EXC*	555	3700	3600	4025	3250																	
360	SX*,EXC*,MXC*	547																					
380	EXC*,MXC*,SX*	547														3600	3600						
400	EXC*	576,595																					
	LC4EXC*,RXC,RXCe	576									3800	3800	3800	3500	3500	3500	3500	3500					
	SX*,TXC	576																					
595	SX*,EXC*,Racing	595																					
	MXC*,Racing	595																					
	LC4	575																					
440	EXC*,MXC*	565																					
450	SX*,MXC*,EXC*,Racing	595																					



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	TEST RPM																				
ENGINE PREFIX		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
500	GS	3250	2950																			
	MX/MXC*	3250	2950	4025	2950	2950	4450	4450														
	SX*								3250													
520/525	SX*,MXC*,EXC* Racing																	4600	4600	4600	4600	4600
540	DXC*							4375	4375													
550	DXC*,E550 MXC*								3250	3250	3250	3250	3250									
600/620	EXC*/DXC*/MX/ MXC*				4000	4000	4000	4000	4000	4000												
	LC4 EXC*/RXC*/RXCe*										3625	3625	3625	3625	3625							
	SX*/TXC												3625	3625	3625							
625	625 SX																			3450	3450	
640	LC4 DUAL															3450	3450					
	LC4,LC4 ADVENTURER															3450	3450	3450	3450			3450
	LC4 Supermoto*																3450	3450	3450			3450
950	LC8 Adventure																			4750	4750	4750
* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles																						

 1985-2005 Model Test RPM Data
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Supplement to the Statement of Sales for the years 1985 to 2005, by model year and engine size																								
POLARIS ATVS			MODEL YEAR												TEST RPM									
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	
50	Predator 50/Scrambler 50	AR03-01																	3750	3750	3750	3000	3000	
90	Predator 90	AR07																				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				3750																			
	Scrambler		3000	3000																				
	Trail Boss 250, 2X4, 4X4	ALL			3000	3000		3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000						
	Trail Blazer	EC25PF 07/09/11																						
	Trail Blazer ES	EC25PFE09																3000	3000	3000				
	Trail Blazer	EC25PFE15																						
	Xplorer 4x4	EC25PFE15																	3000	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	3000	3000	
	Magnum 325 2X4, 4X4	ES32PFE08																	3000	3000	3000			
	Xpedition 325	ES32PFE03																						
330	ATP 330	ES32P10																						
	Magnum 330 2X4, 4X4	ES32P10																					3375	
	Trail Boss 330	ES32P10																					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, 4 X4	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																						
	Xpress 400L	EC38PLE04/06												2750	2750	2750	2750	2750	2750					
425	Magnum 2X4	EH42PLE01/02												3000	3000	3000	3000							
	Magnum 4X4	EH42PLE01/02												3000	3000	3000	3000							
	Xpedition 425	EH42PI F04																	3000	3000				



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

POLARIS ATVS (continued)		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Engine Size (cc)	MODEL	MODEL YEAR																				
	ENGINE PREFIX	TEST RPM																				
500	ATP 500	EH50P20																				
	Diesel	DW46PLE01/02															2000	2000	2000			3250
	Magnum 500/RMK	EH50P04/08															3000	3000	3000	3000	3000	3000
	Predator 500	ES50P01																				
	Scrambler 500	EM50PLE02/04													3250	3250	3250	3250				
	Sportsman 500	EM50PLE 01/05/07/09															3000	3000	3000			
	Scrambler 500 2x4	EH50PLE12																	3250	3250		
	Scrambler 500 4x4	EH50P02/04																				
	Sportsman 500 HO	EH50P13																	3150	3150	3150	3150
	Sportsman 6x6	EH50P10																				
	Xplorer 500	EM50PLE07													3000							
600	Sportsman 600	EH59P11																				
700	Sportsman 700	EH68P15																				
	Sportsman 700 EFI	EH68P21																	3000	3000	3000	3000
800	Sportsman 800 EFI	EH76																				
		** Note test rpm for Scrambler 500 4X4 revised 6/23/06 (previously 3250).																				



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

SUZUKI MOTORCYCLES		ENGINE		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Engine Size (cc)	MODEL	PREFIX		3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
50	JR50	A102		3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
60	RM60*	KX060BE/CE																				5250	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
	RM80*	D101		6000																				
	RM80*	D104/E106						6000																
	RM80*	D106							6000	6000	6000	6000	6000	6000	6125	6125	6125	6125	6125	6125				
85	RM85*, RM85L*	D107																						
100	RM100*	KX100CE																			6000	6000	6000	6000
	DR100	E403		4750	4750	4750	4750	4750	4750													5750		
110	DR-Z110	LX110A, LX110BE																				3500	3500	
125	DR125, DR125SE	F413, F417			4750	4750	4750							4750	4750									
	DR-Z125, DR-Z125L	F445																				4000	4000	4000
	RM125*	F108		5625																				
	RM125*	F113, F114, F134																						
	SP125	F413			4750	4750	4750																	
200	DR200, DR200SE, SP200	H401/H402		4250	4250	4250	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	4100										
	DR-Z250	J428																						
	RM250*	J102, J106, J110, J115, J119													4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
	RMX250	J111						3250	3250	3250	3250													
	RMX250	J112										3750	3750	3750	3750	3750	3750							
	RM-Z250*	KX250NE																					5500	5500
350	DR350	K404							4000	4000	4000	4000	4000	4000	4000	4000	4000	4000						
	DR350SE	K404							4000	4000	4000	4000	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

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



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SUZUKI ATVS		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																					
50	LT50, LT-A50	A110	2500	2500																2500	2500	2500	2500	
80	LT80	C113			3250	3500	3500						3500	3500		3500	3500	3500		3500	3500	3500	3500	
125	LT/ALT 125	F410			3750																			
160	LT-F160,LT160	G402					4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000		4000	4000	
185	ALT185,LT185	G401			4000																			
230	LT230GE,LT230S,LT-F230	J410,J411,J412			4000	4000																		
	LT230E	J416			3500	3500		3500	3500	3500	3500													
250	LT250E/EF	J409			4000																			
	LT250R	J104,J109			3500	3500		3500	3500	3500														
	LT250S	J418						3500	4000	3500														
	LT250-4WD, LT-F250F	J413			3750	3750		3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750			
	LT-F250, LTZ250	J417,J434,J437				3500		3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	
300	LT300E	K401			4000	4000		4000		3500	3500	3500	3500	3500	3500	3500	3500	3500	3500					
	LT-F300F KING QUAD, LTF4WDX	K403																						
400	LT-A400/F EIGER	K420,K421																		3250	3250	3250	3250	
	LT-F400/F EIGER	K422,K423																		3500	3500	3500	3500	
	LT-Z400	K428																			3500	3500	3500	
500	LT500R	M102,M103			3000	3250		3250																
	LT-F500F	M405																						
	LTF-500F VINSON	M411															3000	3000	3000	3000				
	LT-A500F VINSON	M407,M409																	3000	3000	3000	3000		
700	LT-A700X KING QUAD	P413																						
	LT-V700F TWIN PEAKS	VF700AE																						

1985-2005 Model Test RPM Data

YAMAHA MOTORCYCLES		MODEL YEAR																				
Engine	MODEL	TEST RPM																				
Size	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	DT50U/W																					
	PW50				4875		4875	2750	2750	2750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
	BW80S/Y/U																					
	PW80				2750		2750	2750	2750	2750	2750	2750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
	YZ80*																					
80	1LR,2HF,2VE,3MK																					
	YZ80*																					
	YZ80*																					
	YZ80*																					
	YZ80*																					
85	B111E,B118E																					
	TTR90																					
	100																					
	RT100																					
	125																					
125	E309E,E349E																					
	YZ125*																					
	YZ125*																					
	YZ125*																					
	YZ125*																					
180	E112,E116E,E118E																					
	YZ125*																					
	RT180																					
	3VC																					
	200																					
200	54G,IRL																					
	IT200																					
	43G,1TY																					
	2YG,3AW																					
	WR200R																					
225	1RH																					
	TT225T																					
	CG04W,CG04Y,G307E																					
	4BE																					
	XT225																					
230	G341E																					
	TTR230																					
	G307E																					
	G322E																					
	WR250F																					
250	3RB,4JW,4DC																					
	WR250Z*																					
	56A,1LU,2HH																					
	YZ250*																					
	2VM,3JE																					
YZ250*	3SP,3XK,4DA,4JX																					
	YZ250*																					
	4MX,4DP																					
	YZ250*																					
	G106E,G110E,G111E																					
YZ250F*	G321E,G3336E,G342E																					
	3RB																					
	4000																					
	4250																					
	4250																					



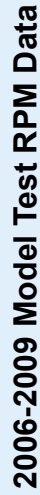
1985-2005 Model Test RPM Data
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YAMAHA MOTORCYCLES (cont)		MODEL YEAR																							
Engine	MODEL	ENGINE		TEST RPM																					
Size		PREFIX		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
(cc)																									
350	BW350T/U		2JN			3250	3250																		
	TY350		46Y,IVY	2500	2500																				
	TT350		1RG		3500	3500																			
	XT350,XT350C		57T,56R	4250	3750																				
	XT350		2KJ,3NV			3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500						
400	WR400*		CH043																						
	YZ400*		H308E														4500	4500	4500						
426	WR426F		H309E														4500	4500	4500						
	YZ426*,YZ426F*		CJ01C,J308E																	4250	4250				
450	WR450F		J314E,J321E																	4500	4500				
	YZ450F*		J313E,J314E,J321E,J319E																						
490	YZ490*		57H,1LV,2HJ,2WH	3500	3500	3500	3500	3500	3500													4500	4500	4500	
500	WR500Z*		4AA							3500	3500														
600	TT600		55U	3250	3250																				
	XT600		3UY,49N,49R,3EW,3UY	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250										
				* Not certified to meet federal EPA noise regulations for newly manufactured motorcycles																					

YAMAHA ATVS	MODEL

[illegible]

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



2006-2009 Model Test RPM Data

[illegible]

2006-2009 Model Test RPM Data

HONDA MOTORCYCLES								HONDA ATVS						
Engine			Engine	Test RPM				Engine			Test RPM			
Size								Size						
(in cc)	Model	Prefix	2006	2007	2008	2009		(in cc)	Model	Prefix	2006	2007	2008	2009
50	CRF50F	AE03E	4250	4250				90	TRX90	TE18E	3750	3750		
70	CRF70F	DE02E	4000	4000				250	TRX250EX	TE27E	3500	3500		
80	CRF80F	HE01E	5000	5000					TRX250TM/TE	TE21E	3250	3250		
85	CR85R/RB**	HE07E	6000	6000				300	TRX300EX	TE19E	3500	3500		
100	CRF100F	HE03E	4750	4750				350	TRX350FE/FM	TE25E	3250			
125	CR125R*	JE01E	5750	5750					TRX350TE/TM	TE24E	3250			
150	CRF150F	KE02E	4250	4250				400	TRX400EX	TE23E	3500	3500		
	CRF150R/RB*	KE03E		6250					TRX400FA/FGA	TE29E	3250	3250		
230	CRF230F	ME09E	4000	4000				420	TRX420FE/FM	TE35E		3000		
250	CR250R*	ME03E	4000	4000					TRX420TM/TE	TE34E		3000		
	CRF250R*	ME10E	5500	5500				450	TRX450R	TE32E	3750	3750		
	CRF250X	ME11E	4500	4500				500	TRX500FA/FGA	TE26E	3250	3250		
450	CRF450R*	PE05E	4500	4500					TRX500FE/FM/TM	TE31E	3000	3000		
	CRF450X	PE06E	3750	3750				680	TRX680FA/FGA	TE33E	3000	3000		
650	XR650L	RD06E	3000	3000										
	XR650R	RE01E	3250	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.

