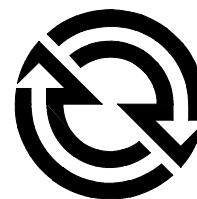


Engine Parts

DETROIT DIESEL



Diesel Engine

Generator Model:

230-300 kW

Engine Series:

60

Engine Model:

6063-HV35

Tier 3 Certified

SERIES 60

Parts

Catalog

06R0845448
OCTOBER 2005

Detroit Diesel® SERIES 60™ Diesel Engines

Illustrated Service Parts Catalogs are now available on CD-ROM

Speed up your parts counter and eliminate confusion. Look up parts by unit serial number on CD-ROM.

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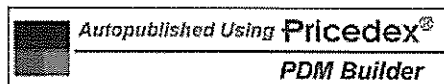
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NOTE:

Additional copies of this parts catalog may be purchased from Detroit Diesel Distributors. See your yellow pages -- under *Engines, Diesel*.

DETROIT DIESEL



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METRICS AT WORK

Detroit Diesel Engines contain parts dimensioned in the metric system as well as in the customary system. Many fasteners are metric and are very close in dimension to familiar customary fasteners in the inch system. It is important to note that, during any maintenance procedures, replacement fasteners must have the same measurements and strengths as those removed, whether metric or customary.

Numbers on the heads of metric bolts and on the surfaces of metric nuts indicate their strength. Customary bolts use radial lines for this purpose, while most customary nuts do not have strength markings.



CAUTION:

Using mismatched or incorrect fasteners can lead to engine damage. In some cases, engine damage can have consequences that may result in personal injury and or vehicle/ equipment damage.

Fasteners removed from the engine should be saved for re-use in the same locations whenever possible. Where the fasteners are not satisfactory for re-use, care should be taken to select a replacement that matches the original.

For information and assistance, see your Detroit Diesel Service Outlet.

NOTE:

Metric Hardware is identified in the Parts Catalogs through its unique nomenclature. Conventional hardware can always be recognized by the inch marks ("), common to diameter and length.

GENERAL INFORMATION

Your engine serial number should be kept readily available. It can be used to identify the correct service parts, warranty information, and available extended coverage.

All engine components in this catalog are divided in to major categories, groups, and sub-groups.

Within each sub-group different designs of similar parts are shown, each being designated by a type number. The type number in one sub-group has no relationship to the same type number in another sub-group.

To locate a part, first establish the category and group where the part is used (see the Alphabetical Index or Group Nomenclature page), then, determine the type number (on earlier units the type number can be found on the engine option label). With this information, turn to the proper category and group and locate the type number at the top of the page. All parts applicable to the type are indicated by a quantity in the column under the type

AR = as required.

NS = not serviced. The serviced part will be in a note or use the like part with a quantity in the type column.

OBS = obsolete, no replacement.

ALPHABETICAL INDEX

The Alphabetical Index is particularly helpful when only a part name is known and the category, group, sub-group cannot readily be determined. Parts are listed alphabetically by noun name, followed by a description of the application of the part and the final sub-group location.

The information and illustrations in this publication are based on the information in effect at the time of approval for printing. The right is reserved to make changes at any time without notice.

REMANUFACTURED PARTS

A leading E or R identifies part numbers that require the return of your old core component.

A leading E in the part number designates a new exchange part.

A leading R in the part number designates a remanufactured part.

An R preceding the part description means the part is available as an E or R part number.

ELECTRONIC PARTS CATALOGS

Speed up your parts counter and eliminate confusion. Look up parts by using your unit serial number on CD-ROM. You can receive regular Parts Catalog updates by subscribing to the POWER Service Parts CD-ROM. 2 cycle, 4 cycle or both can be sent to your location 4 time a year. In addition to the PSP CD, DDC offers 2 non-subscription Service Parts Catalogs on CD-ROM: an illustrated Custom Parts Catalog - The CPC contains information specific to your unit serial number; And a complete illustrated Service Parts Catalog by Series. Contact your local Detroit Diesel Distributor to order your CD-ROM.

YOUR PARTS ORDER WILL BE HANDLED MORE EFFICIENTLY IF YOU -

1. Provide the following information for material ordered:
 - A. Category, group and sub-group in parts catalog in which the part is specified
 - B. Quantity desired
 - C. Part Number
 - D. Complete Name
 - E. The Type number for the serial number concerned
 - F. Unit Serial Number
 - G. "TYPE" rather than "WRITE" the above information
2. Furnish complete shipping instruction. This is particularly important in case the order is not to be handled in the regular manner. Indicate whether shipment should be made via parcel post, express, air freight, etc
3. Confirm all telegraph and telephone orders immediately, clearly making any such orders "CONFIRMING" to avoid duplication of shipment of such orders.

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

PART NAME **GROUP NO.**

A

ADAPTOR KIT, POWER TAKE OFF	01.3C281
ARM ASSY., EXHAUST VALVE ROCKER	01.8060
ARM ASSY., INTAKE VALVE ROCKER	01.8075
ARM ASSY., INJECTOR ROCKER	01.8080
ADAPTOR, FUEL PUMP DRIVE	02.2260
AIR INTAKE MANIFOLD	03.3C801
ADAPTOR, OIL FILTER COVER	04.2A291
ADAPTOR, OIL COOLER	04.4A110
ADAPTOR, DIPSTICK	04.6A030
ADAPTOR, EXHAUST OUTLET	06.2A120
ADDITIVE, CURING (THREADLOCK & RTV)	12.8A252
ADDITIVES, DIESEL FUEL	12.8A280
ADDITIVES, SUPPLEMENTAL COOLANT	12.8A260
ADAPTOR, TACHOMETER MOUNTING	12.8A325

B

BLOCK, CYLINDER	01.1001
BRACKET, ENGINE LIFTER-FRONT	01.2A070
BRACKET, ENGINE LIFTER - REAR	01.2A080
BOLT, CRANKSHAFT MAIN BEARING CAP	01.3140
BEARING, CLUTCH PILOT	01.4A040
BEARING, PISTON PIN.	01.6142
BOLT, CAMSHAFT BEARING CAP	01.7046
BEARING, IDLER GEAR	01.7225
BEARING, CAMSHAFT	01.7040
BALL AND SEAT ASSY., INJECTOR ROCKER ARM	01.8090
BUSHING, INJECTOR ROCKER ARM	01.8110
BOLT, ROCKER COVER	01.8A460
BRACKET, ELECTRONIC CONTROL MODULE	02.1B507
BRACKET, BOAT BUILDER INTERFACE MODULE	02.1B514
BRACKET, ELECTRONIC DISTRIBUTOR UNIT	02.1B530
BRACKET, WIRING HARNESS	02.1B745
BRACKET, SNEF MODULE MOUNTING	02.1B656
BRACKET, ACTUATOR MOUNTING	02.1B780
BEARING, FUEL PUMP	02.2060
BRACKET, FUEL FILTER MOUNTING	02.3A530
BLOCK, FUEL SYSTEM JUNCTION	02.5A250
BRACKET, TURBOCHARGER AIR OUTLET TUBE	03.5A415
BODY, OIL PUMP	04.1A040

PART NAME **GROUP NO.**

BUSHING, OIL PUMP BODY	04.1A050
BRACKET, OIL PUMP SCREEN SUPPORT	04.1B540
BODY, OIL PRESSURE REGULATOR AND RELIEF	04.1C680
BRACKET, OIL COOLER HOUSING SUPPORT	04.4A100
BRACKET OIL FILLER TUBE CLAMP	04.5A004
BRACKET, REGULATOR/VALVE MOUNTING	04.8A004
BREATHER ASSY.	04.8A045
BASE, ENGINE MOUNTING	11.1A001
BRACKETS, COLLECTOR	04.8A260
BEARING, FRESH WATER PUMP	05.1070
BRACKET, BREATHER EXTENSION PIPE	04.8A183
BODY, FRESH WATER PUMP	05.1030
BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED	05.4A010
BEARING, FAN SPINDLE	05.4A111
BRACKET, FAN BELT TENSIONER ASSY.	05.4A342
BRACKET, EXHAUST MANIFOLD SUPPORT	06.1A002
BOLT, EXHAUST MANIFOLD TO HEAD	06.1A025
BELT, CRANKSHAFT PULLEY DRIVE	05.4A331
BUSHING, FAN BELT IDLER PULLEY SUPPORT	05.4A348
BRACKET, GENERATOR ADJUSTING STRAP	07.1A582
BELT, GENERATOR DRIVE	07.1A575
BRACKET, GENERATOR MOUNTING	07.1A595
BRACKET, STARTING MOTOR SUPPORT	07.3A007
BRACKET, ENGINE SUPPORT	11.1A075

C

CRANKSHAFT ASSY.	01.3001
CAP, CRANKSHAFT MAIN BEARING	01.3110
COVER, GEAR CASE	01.3A158
COVER, ENGINE FRONT ACCESSORY DRIVE	01.3A191
COVER, STARTING MOTOR HOLE	01.5A070
CONNECTING ROD ASSY.	01.6001
CAMSHAFT ASSY.	01.7001
COVER, CAMSHAFT BEARING CAP	01.7037
CYLINDER KIT	01.6182
CAP, CAMSHAFT BEARING	01.7042
CAPLUG R/C S60	01.8A043
COVER ASSY., ROCKER	01.8A450
CLAMP, INJECTOR	02.1A270
CONNECTOR, PERIPHERAL	02.1B580

PART NAME	GROUP NO.
COVER, INJECTOR HARNESS	02.1B702
CONNECTOR, COMMUNICATIONS	02.1B765
CONNECTOR, DEUTCH	02.1B850
COVER,FUEL PUMP	02.2030
COVER, FUEL STRAINER	02.3A080
COUPLING, FUEL PUMP DRIVE	02.2230
COVER, FUEL FILTER	02.3A390
CLIP, STRAINER TO FUEL PUMP	02.5A070
CLIP, FUEL PUMP TO FILTER HOSE	02.5A120
CLIP, COLD PLATE TO FILTER HOSE	02.5A121
CLIP, FUEL PUMP TO JUNCTION BLOCK HOSE	02.5A146
CLIP, CYLINDER HEAD INLET	02.5A180
CLIP, FUEL COOLER INLET LINES	02.5A216
CLIP, FUEL DRAIN	02.5A220
CONNECTOR, TURBOCHARGER EXHAUST INLET	03.5A305
CLIP, TURBOCHARGER OIL SUPPLY TUBE	03.5A502
CLIP, TURBOCHARGER OIL RETURN TUBE	03.5A507
COVER, OIL PUMP	04.1A220
CORE, OIL COOLER ENGINE	04.4A001
COOLER ASSY., OIL COOLER	04.4A005
COVER, OIL COOLER HOUSING	04.4A060
CHAIN, OIL FILLER CAP	04.5A030
COVER, OIL FILLER HOLE	04.5A070
CLIP, DIPSTICK	04.6A040
CLIP, OIL COOLER LINES	04.4A345
CAP, OIL FILLER	04.5A010
CLAMP, BREATHER TUBE	04.8A039
CLIP, BREATHER TUBE	04.8A040
CUSHION, ENGINE MOUNTING BASE ISOLATION PAD	11.1A010
CONNECTIONS, COLLECTOR	04.8A250
COVER, FRESH WATER PUMP BODY	05.1031
COLLECTOR ASSY.	04.8A200
COVER, THERMOSTAT HOUSING	05.2B120
CLIP, WATER BYPASS TUBE	05.2C190
CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE	05.3B305
CLAMP, EXHAUST MANIFOLD FRESH WATER OUTLET HOSE	05.3B445
CONNECTION, THERMOSTAT HOUSING WATER RETURN	05.3B275
CONNECTION, HEAT EXCHANGER WATER OUTLET	05.3B312
CONNECTION. HEAT EXCHANGER INLET	05.3B314

PART NAME	GROUP NO.
CLIP, WATER PUMP TO OIL COOLER TUBE	05.3B405
CONNECTIONS, BOOST COOLER WATER	05.3B423
CLUTCH ASSY., FAN	05.4A112
CAP, EXHAUST PIPE	06.2A093
CONNECTION, FLEXIBLE EXHAUST	06.2A095
CLEANER, COOLANT SYSTEM	12.8A270

D

DAMPER, VIBRATION	01.3B210
DISC, FLYWHEEL FLEXIBLE COUPLING	01.4A075
DRIVE ASSY., FUEL PUMP	02.2240
DIPSTICK	04.6A001

E

ENGINE ASSEMBLY, THREE-QUARTER BLOCK REMAN	00.1010
ENGINE ASSEMBLY, COMPLETE REMAN	00.1020
ELEMENT, FUEL STRAINER	02.3A010
ELEMENT, FUEL FILTER	02.3A320
ELBOW, TURBOCHARGER AIR OUTLET	03.5A417
ELEMENT, OIL FILTER	04.2A250
ELBOW, THERMOSTAT HOUSING OUTLET	05.2B092
ELBOW, THERMOSTAT HOUSING COVER OUTLET	05.2B122
ELBOW, WATER PUMP INLET	05.3B335
ELBOW, CYLINDER HEAD FRESH WATER OUTLET.	05.3B443

F

FLYWHEEL ASSY.	01.4A001
FORK,FUEL PUMP COUPLING	02.2220
FUEL/AIR SEPARATOR	02.3A305
FILTER ASSY., OIL	04.2A240
FLANGE, OIL COOLER INLET & OUTLET-OIL	04.4A106
FILTER UNIT, BREATHER	04.8A060
FAN ASSEMBLY	05.4A001
FLANGE, EXHAUST FLANGE WATER OUTLET	06.2A110
FUEL SYSTEM PRODUCTS	12.8A006
FILTER, AIR/OIL SEPARATOR BRAKE SYSTEM	12.8A205

G

GASKET KIT, ENGINE OVERHAUL 01.1002

PART NAME	GROUP NO.
GASKET KIT, CYLINDER HEAD OVERHAUL	01.2002
GASKET KIT, CYLINDER HEAD	01.2007
GASKET, CYLINDER HEAD COMPRESSION	01.2010
GEAR, CRANKSHAFT TIMING	01.3145
GASKET, ENGINE FRONT ACCESSORY DRIVE	01.3A192
GEAR, FLYWHEEL RING	01.4A010
GASKET, STARTING MOTOR HOLE COVER	01.5A075
GEAR ASSY., IDLER	01.7220
GEAR, CAMSHAFT AND BALANCE SHAFT	01.7200
GEAR ASSY., ADJUSTABLE CAMSHAFT IDLER	01.7221
GEAR, IDLER	01.7222
GUIDE, INTAKE/EXHAUST VALVE	01.8320
GASKET, ROCKER COVER	01.8A455
GASKET, FUEL PUMP TO ENGINE OR DRIVE ASSEMBLY	02.2007
GASKET, FUEL PUMP COVER	02.2040
GEAR, FUEL PUMP DRIVE	02.2087
GASKET, FUEL PUMP VALVE PLUG	02.2180
GEAR, FUEL PUMP DRIVEN	02.2088
GASKET, AIR INTAKE MANIFOLD	03.3C803
GASKET, TURBOCHARGER EXHAUST INLET CONNECTION	03.5A307
GASKET, TURBOCHARGER AIR OUTLET ELBOW	03.5A418
GASKET, TURBOCHARGER OIL RETURN TUBE	03.5A506
GEAR, OIL PUMP DRIVE	04.1A090
GASKET, OIL PUMP INLET PIPE	04.1B520
GASKET, OIL PUMP OUTLET PIPE	04.1B590
GASKET, OIL PRESSURE REGULATOR BODY	04.1C730
GASKET, OIL COOLER CORE-INNER	04.4A030
GASKET, OIL COOLER CORE-OUTER	04.4A040
GASKET, OIL COOLER HOUSING	04.4A055
GASKET, OIL COOLER HOUSING COVER	04.4A061
GASKET, THERMATIC VALVE	04.4A067
GASKET, OIL COOLER INLET & OUTLET-OIL	04.4A107
GASKET, ADAPTOR TO OIL COOLER HOUSING	04.4A112
GASKET, OIL COOLER ADAPTOR TO BLOCK	04.4A115
GASKET, OIL FILLER TUBE ADAPTOR	04.5A007
GASKET, DIPSTICK	04.6A010
GASKET, OIL PAN TO BLOCK	04.7A030

PART NAME	GROUP NO.
GASKET, OIL FILLER HOLE COVER	04.5A080
GUIDE, DIPSTICK	04.6A020
GASKET, DIPSTICK ADAPTOR PLATE	04.6A061
GASKET, BREATHER SHELL COVER	04.8A057
GASKET, FRESH WATER PUMP BODY COVER	05.1032
GEAR, FRESH WATER PUMP DRIVE	05.1190
GASKET, FRESH WATER PUMP	05.1010
GASKET, THERMOSTAT HOUSING	05.2B110
GASKET, EXHAUST MANIFOLD	06.1A010
GASKET, EXHAUST OUTLET	06.2A105
GENERATOR ASSY.	07.1A001
GASKET, EXHAUST FLANGE WATER OUTLET	06.2A112
GUARD, GENERATOR DRIVE BELT AND PULLEY	07.1A585
GASKET, STARTING MOTOR	07.3A004
GAGE, AIR PRESSURE	12.8A315
GAGE, TACHOMETER	12.8A320
GAGE, OIL PRESSURE - TRANSMISSION	12.8A335
GAGE, OIL TEMPERATURE	12.8A340
GAGE, FUEL PRESSURE	12.8A355
GAGE, TURBO BOOST	12.8A375
GAGE, VOLTMETER	12.8A380
GAGE, AMMETER	12.8A310
GAGE, OIL PRESSURE - ENGINE	12.8A330
GAGE, WATER TEMPERATURE	12.8A345
GAGE, FUEL VOLUME	12.8A350
GAGE, HOUR METER	12.8A370
GAGE, SPEEDOMETER	12.8A385

Н

HEAD ASSY., CYLINDER	01.2001
HOUSING ASSY., GEAR CASE	01.3A156
HUB, CRANKSHAFT PULLEY	01.3C310
HUB, FLYWHEEL FLEXIBLE COUPLING	01.4A080
HOUSING ASSY., FLYWHEEL	01.5A001
HUB, CAMSHAFT GEAR	01.7206
HUB, IDLER GEAR	01.7250
HUB, ADJUSTABLE IDLER GEAR	01.7255
HUB, IDLER GEAR BEARING	01.7228
HARNESS ASSY., INJECTOR	01.8050
HARNESS, ELECTRONIC DISTRIBUTOR UNIT TO INJECTOR	02.1B700
HARNESS, ENGINE SENSORS TO DISCONNECT	02.1B720

PART NAME	GROUP NO.
HARNESS, ECM BOAT BUILDER INTERFACE MODULE	02.1B690
HARNESS, ENGINE SENSORS TO ECM	02.1B704
HARNESS, OXYGEN SENSOR	02.1B713
HOSE, TURBOCHARGER DE-AERATION	03.5A526
HOSE, FUEL SUPPLY	02.5A009
HOSE, FUEL INLET JUNC. BLOCK TO FUEL PUMP	02.5A057
HOSE, FUEL PUMP INLET	02.5A060
HOSE, FUEL PUMP OUTLET TO FILTER	02.5A110
HOSE, FUEL PUMP OUTLET TO COLD PLATE	02.5A115
HOSE, COLD PLATE TO FILTER	02.5A116
HOSE, COLD PLATE TO FUEL FILTER	02.5A117
HOSE, FUEL PUMP TO JUNCTION BLOCK	02.5A144
HOSE, FILTER TO CYLINDER HEAD	02.5A160
HOSE, FUEL DRAIN	02.5A215
HOSE ASSY., PRO-CHEK INLET	02.5A510
HOSE ASSY., PRO-CHEK OUTLET	02.5A520
HOSE ASSY., AIR VENT BLEEDER	02.5A530
HOSE ASSY.,AIR BALANCE LINE	02.5A535
HOUSING, TURBOCHARGER TURBINE	03.5A003
HOUSING, TURBOCHARGER COMPRESSOR	03.5A022
HOSE, TURBOCHARGER AIR OUTLET CONNECTION	03.5A420
HOUSING, OIL COOLER-ENGINE	04.4A050
HOUSING, MARINE GEAR OIL COOLER	04.4A051
HOUSING, OIL TRANSFER COOLER-FILTER ADAPTOR	04.4A053
HOSE, OIL COOLER WATER INLET	04.4A213
HOSE, OIL COOLER WATER OUTLET TUBE	04.4A280
HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET	04.4A330
HOSE, MARINE GEAR OR TRANSMISSION OIL INLET	04.4A335
HOSE, MARINE GEAR HYDRAULIC PUMP TO COOLER	04.4A336
HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE	04.4A343
HOSE, OIL DRAIN	04.8A187
HOUSING ASSY., FRESH WATER PUMP SHAFT	05.1055
HOUSING, THERMOSTAT	05.2B090
HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW	05.2B124
HOSE, WATER BYPASS TUBE	05.2C165
HOSE, TURBOCHARGER WATER INLET	05.3B273

PART NAME	GROUP NO.
HOSE, HEAT EXCHANGER FRESH WATER INLET	05.3B295
HOSE, HEAT EXCHANGER OUTLET CONNECTION TO WATER PUMP	05.3B334
HOSE, WATER PUMP TO OIL COOLER	05.3B401
HOSE, EXHAUST MANIFOLD FRESH WATER INLET	05.3B432
HOSE, EXHAUST MANIFOLD WATER RETURN	05.3B442
HOUSING, FAN DRIVE SPINDLE	05.4A103
HEAT SHIELD, EXHAUST MANIFOLD	06.1A171
HOSE, EXHAUST FLANGE DRAIN	06.2A088
HOSE, GENERATOR VENT	07.1A012
HAND CLEANERS	12.8A070

1

INSULATOR ASSY.,CRANKSHAFT PULLEY	01.3C311
INSERT, INTAKE/EXHAUST VALVE (SEAT)	01.8330
ISOLATOR, ROCKER COVER BOLT	01.8A461
INJECTOR ASSY.	02.1A001
INSULATION BLANKET TURBOCHARGER	03.5A535
IMPELLER, FRESH WATER PUMP	05.1110
IDLER, PULLEY FAN BELT WITH ADJUSTING ARM	05.4A325
IDLER ASSY., GENERATOR DRIVE BELT	07.1A905

J

JACOBS BRAKE CYLINDER 01.8070

K

KIT ENGINE OVERHAUL	01.1006
KIT, LOWER ENGINE BEARINGS AND GASKETS	01.3003
KIT, ENGINE ADAPTATION	01.4A074
KIT, CONNECTING ROD BEARING AND GASKET	01.6095
KIT, CYLINDER LINER AND SEALS	01.6181
KIT, HOUSINGS AND ATTACHING PARTS (JACOBS BRAKE)	01.8072
KIT, JACOBS BRAKE FIELD	01.8073
KIT, EPROM STABILIZER	02.1B502
KIT, COOLANT LEVEL SENSOR	02.1B670
KIT, REPOWER CONNECTOR AND TERMINAL	02.1B755
KIT WASTEGATE ACTUATOR	03.5A004
KIT, TURBOCHARGER REPAIR	03.5A008
KIT, OIL FILL/DRAIN	04.5A090
KIT, PARTICULATE TRAP	06.2A300

PART NAME	GROUP NO.
KIT, GENERATOR BRACKET TENSIONER & BELTS	07.1A940
KIT, FILTER MAINTENANCE-FUEL/OIL	12.8A005
KIT, DDEC	12.8A147
KIT, COOLANT ANALYSIS	12.8A290
KIT, OIL ANALYSIS	12.8A291
KIT, FUEL ANALYSIS	12.8A293
KIT, TUBING	12.8A390
KIT, SUPER ENGINE OVERHAUL	12.8C725
KIT, BASIC ENGINE OVERHAUL	12.8C730
KITS, SERVICE (ALL)	12.8C715
KIT, LOWER END BEARING	12.8C735

L

LINER, CYLINDER	01.6180
LOCK, INTAKE/EXHAUST VALVE SPRING	01.8370
LIMITER ASSY., COLLECTOR VACCUM	04.8A240
LUBRICATING COMPOUND THREAD	12.8A110
LAMP, INSTRUMENT PANEL	12.8A360

M

MODULE ASSY., ELECTRONIC CONTROL (ECM)	02.1B501
MODULE, ELECTRONIC DISTRIBUTOR UNIT (EDU)	02.1B510
MODULE, INTERFACE	02.1B512
MODULE, SIGNAL NOISE ENHANCEMENT	02.1B655
MINDER, ENGINE/MASTER	02.1B890
MUFFLER ASSY., EXHAUST	06.2A001
MANIFOLD, EXHAUST	06.1A001
MOTOR ASSY., STARTING	07.3A001
MOUNTING, ENGINE FRONT SUPPORT ELASTIC	11.1A072
MISCELLANEOUS SERVICE PARTS/KITS SECTION 2 FUEL SYSTEM/ELECTRONIC CONTROLS	12.8D802
MISCELLANEOUS SERVICE PARTS/KITS SECTION 3 AIR SYSTEM	12.8D803
MISCELLANEOUS SERVICE PARTS/KITS EXHAUST SYSTEM	12.8D806
MISCELLANEOUS SERVICE PARTS/KITS ELECTRICAL INSTRUMENTS	12.8D807
MISCELLANEOUS SERVICE PARTS/KITS SECTION 1 ENGINE	12.8D801
MISCELLANEOUS SERVICE PARTS/KITS SECTION 4 LUBRICATION SYSTEM	12.8D804
MISCELLANEOUS SERVICE PARTS/KITS SECTION 5 COOLING SYSTEM	12.8D805
MISCELLANEOUS SERVICE PARTS/KITS POWER TAKE-OFF	12.8D808

PART NAME	GROUP NO.
MISCELLANEOUS SERVICE PARTS/KITS TRANSMISSION AND PROPULSION	12.8D809
MISCELLANEOUS SERVICE PARTS/KITS SECTION 12 MISCELLANEOUS	12.8D812
MISCELLANEOUS SERVICE PARTS/KITS ENGINE HOOD	12.8D810
MISCELLANEOUS SERVICE PARTS/KITS SECTION 11 ENGINE MOUNTING	12.8D811

N

NOZZLE, PISTON COOLING	01.1025
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O

OVERHAUL KIT, FUEL PUMP	02.2004
OVERHAUL KIT, OIL PUMP	04.1A003
OIL, ENGINE LUBRICATING	12.8A025

P

PULLEY, CRANKSHAFT	01.3C280
PLATE, FLYWHEEL FLEXIBLE COUPLING	01.4A085
PISTON KIT	01.6110
PIN, PISTON	01.6140
PLATE, CAM AND BALANCE SHAFT THRUST	01.7070
PLATE, ROCKER COVER BREATHER HOLE	01.8A480
PROM AND CARRIER ASSY., ELECTRONIC CONTROL	02.1B505
PLATE ASSY., ELECTRONIC DISTRIBUTOR UNIT COLD	02.1B520
PUMP ASSY., FUEL	02.2001
PIN, ALIGNMENT	02.2012
PUMP ASSY., OIL	04.1A001
PIPE, OIL PUMP INLET	04.1B510
PIPE, OIL PUMP OUTLET	04.1B580
PLUG, OIL COOLER BYPASS VALVE	04.4A160
PLATE, DIPSTICK ADAPTOR	04.6A060
PLUG, BREATHER HOLE	04.8A043
PAN, OIL	04.7A001
PLUG, OIL PAN DRAIN	04.7A080
PIPE ASSY, BREATHER	04.8A001
PUMP ASSY., FRESH WATER	05.1001
PULLEY AND HUB ASSY., FAN	05.4A015
PULLEY, FAN BELT IDLER	05.4A330
PIPE, EXHAUST	06.2A090
PULLEY, GENERATOR	07.1A500
PAINT, ENGINE TOUCH-UP	12.8A001
PULLEY, IDLER GENERATOR DRIVE	07.1A920

PART NAME	GROUP NO.	PART NAME	GROUP NO.
PANEL, INSTRUMENT	12.8A300	SEAL, CYLINDER LINER	01.6190
R		SEAL, CAMSHAFT THRUST PLATE	01.7075
RING, INJECTOR HOLE TUBE SEAL	01.2046	SCREW, ROCKER ARM ADJUSTING	01.8135
RETAINER, CLUTCH PILOT BEARING	01.4A045	SHAFT ASSY., ROCKER	01.8160
RING SET, PISTON	01.6115	SPACER, ROCKER SHAFT	01.8173
RING, PISTON COMPRESSION	01.6120	SPACER, VALVE ROCKER ARM (NAT. GAS ENG)	01.8177
RING, PISTON OIL CONTROL	01.6130	SPRING, INTAKE/EXHAUST VALVE	01.8340
RETAINER, PISTON PIN	01.6150	SEAT, INTAKE/EXHAUST VALVE SPRING	01.8360
RETAINER, CAMSHAFT AND ACCESSORY GEAR	01.7240	SERVICE KIT, INJECTOR	02.1A002
ROCKER ARM AND SHAFT ASSY., COMPLETE	01.8055	SHIELD, WATER ECM	02.1B523
ROD, PUSH	01.8180	SHIELD ASSY., ELECTRONIC UNIT DISTRIBUTOR HEAT	02.1B525
ROTATOR, VALVE	01.8365	SENSOR, OIL OR FUEL PRESSURE	02.1B600
RING, INJECTOR SEAL	02.1A040	SENSOR, MAG. IDLER	02.1B610
REPAIR KIT, CONNECTOR AND SEAL HARNESS	02.1B758	SENSOR, MAG. CRANKSHAFT	02.1B620
REPAIR KIT, HARNESS TERMINAL	02.1B757	SENSOR, TURBO SPEED	02.1B646
REGULATOR, OIL PRESSURE	04.1C670	SENSOR, AIR TEMPERATURE	02.1B647
RELIEF, VALVE OIL PRESSURE	04.1C671	SENSOR/KIT, AIR PRESSURE/TURBO BOOST	02.1B650
RECONDITIONING KIT, FRESH WATER PUMP	05.1002	SENSOR, COOLANT LEVEL	02.1B665
RETAINER, FRESH WATER PUMP BEARING AND SEAL	05.1071	SENSOR, EGR TEMPERATURE	02.1B787
RETAINER, BREATHER PAD	04.8A065	SENSOR, OIL LEVEL	02.1B662
S		SENSOR, OXYGEN	02.1B671
SHELL, CRANKSHAFT MAIN BEARING	01.1035	SEAL, FUEL PUMP OIL	02.2070
SEAL, CRANKSHAFT OIL-FRONT	01.3040	STRAINER ASSY., FUEL	02.3A001
SEAL, CRANKSHAFT OIL-REAR	01.3060	SEPARATOR, FUEL WATER	02.3A590
SLEEVE, CRANKSHAFT REAR OIL SEAL	01.3066	STRAINER ASSY., SPIN-ON FUEL	02.3A006
SHELL, CRANKSHAFT MAIN BEARING	01.3090	SHIELDING, FLEXIBLE HOSE	02.5A255
SEAL, CRANKSHAFT OIL FRONT	01.3A166	SENSOR, AIR INTAKE	03.3C810
SLEEVE, CRANKSHAFT OIL SEAL	01.3A167	SUPPORT, OIL PUMP	04.1A025
SUPPORT, GEAR CASE TO HEAD	01.3A168	SHIM, OIL PUMP	04.1A030
SPACER, VIBRATION DAMPER	01.3B275	SHAFT AND GEAR ASSY., OIL PUMP DRIVE	04.1A065
SPINDLE, CRANKSHAFT PULLEY	01.3C283	SHAFT AND GEAR ASSY., OIL PUMP DRIVEN	04.1A075
SEAL, CRANKSHAFT OIL	01.5A004	SPRING, OIL PUMP OUTLET PIPE BYPASS VALVE	04.1B620
SLEEVE, CRANKSHAFT REAR OIL SEAL	01.5A012	SPRING, OIL PRESSURE REGULATOR	04.1C690
SHELL, CONNECTING ROD BEARING	01.6100	SEAT, OIL PRESSURE REGULATOR	04.1C701
SPACER, IDLER GEAR BEARING	01.7226	SUPPORT, OIL FILTER MOUNTING.	04.2A470
SENSOR, OIL, FUEL OR COOLANT TEMPERATURE	02.1B630	SPRING, OIL FILTER BYPASS VALVE	04.2A486
SENSOR, TRS AND SRS	02.1B640	SPRING, OIL COOLER BYPASS VALVE	04.4A150
SENSOR ASSY., KNOCK	02.1B648	SENSOR, OIL LEVEL	04.7A005
SENSOR, EXHAUST TEMPERATURE	02.1B649	STRAINER, OIL FILLER TUBE	04.5A020
		SHELL, BREATHER	04.8A055

PART NAME	GROUP NO.	PART NAME	GROUP NO.
STAND, ENGINE SHIPPING	11.1A045	TUBE, JUNCTION BLOCK TO CYLINDER HEAD	02.5A175
SUPPORT, ENGINE FRONT	11.1A070	TUBE, FUEL COOLER	02.5A214
SEAL, BREATHER SHELL	04.8A059	TUBE, WATER DRAIN	02.5A219
SEAL, THERMOSTAT HOUSING OUTLET ELBOW	05.2B093	TURBOCHARGER	03.5A001
SHAFT ASSY., FRESH WATER PUMP	05.1050	TUBE, TURBOCHARGER AIR OUTLET CONNECTION	03.5A414
SEAL, FRESH WATER PUMP	05.1130	TUBE, TURBOCHARGER OIL SUPPLY	03.5A500
SEAL, THERMOSTAT	05.2B060	TUBE, TURBOCHARGER OIL RETURN	03.5A505
SPACER, FAN BLADE	05.4A011	TUBE, TURBOCHARGER WATER SUPPLY	03.5A520
SUPPORT, FAN MOUNTING	05.4A025	THERMOSTAT, LUBE OIL	04.2A288
SPINDLE ASSY., FAN DRIVE	05.4A102	TUBE, OIL COOLER INLET AND OUTLET	04.4A190
SEAL, FAN SPINDLE	05.4A160	TUBE, HEAD TO BLOWER BREATHER	04.8A005
SPACER, PULLEY	05.4A018	TUBE, OIL FILLER	04.5A001
SUPPORT ASSY., FAN BELT IDLER PULLEY	05.4A347	TUBE, BREATHER TO FLYWHEEL HOUSING	04.8A194
STUD, EXHAUST MANIFOLD TO TURBOCHARGER	06.1A022	THERMOSTAT ASSY.	05.2B050
SUPPORT, EXHAUST PIPE	06.2A091	TUBE, THERMOSTAT HOUSING VENT	05.2B135
SPACER, GENERATOR ADJUSTING STRAP	07.1A581	TUBE, WATER BYPASS	05.2C160
STRAP, GENERATOR ADJUSTING	07.1A580	TUBE, TURBOCHARGER WATER RETURN	05.3B269
SPACER, ENGINE FRONT SUPPORT	11.1A073	TUBE, WATER PUMP INLET	05.3B329
SPACER, ENGINE REAR SUPPORT	11.1A105	TUBE, WATER PUMP TO OIL COOLER	05.3B400
SUPPORT, GENERATOR BRACKET	07.1A596	TUBE, EXHAUST MANIFOLD WATER INLET	05.3B433
STRAP, WIRE ASSY. TO GENERATOR TERMINAL	07.1A633	TANK, COOLANT DE-AERATION	05.3B282
SUPPORT, BELT TENSIONER BRACKET	07.1A935	TUBE, WATER PUMP TO CHARGE AIR COOLER	05.3B399
SUPPORT/BRACKET, ENGINE REAR	11.1A100	TUBE ASSY., EGR COOLER INLET	06.1A004
SEALANT, RTV	12.8A255	TENSIONER, BELT	05.4A340
SOCKET, LAMP INSTRUMENT PANEL	12.8A365	TUBE, GENERATOR OIL DRAIN	07.1A003
SETS, SERVICE (ALL)	12.8C720	TUBE, GENERATOR OIL SUPPLY	07.1A004
		TENSIONER ASSY., GENERATOR DRIVE	07.1A900
		THREADLOCK & SEALER	12.8A242
T		V	
TUBE, INJECTOR HOLE	01.2045	VALVE, EXHAUST	01.8310
TERMINAL RING TYPE	01.8810	VALVE, INTAKE	01.8315
TUBE EXTENSION (NATURAL GAS ENGINE)	01.8A453	VALVE ASSY., FUEL PUMP	02.2130
TERMINAL RING TYPE	02.1B810	VALVE, FUEL SUPPLY CHECK	02.5A006
TRIP RECORDER ANALYSIS CONTROL SYSTEM	02.1B900	VALVE, FUEL DRAIN CHECK	02.5A209
TRANSDUCER, EGR PRESSURE SENSOR	02.1B785	VALVE, FUEL SYSTEM SHUTOFF	02.5A260
TUBE, TURBOCHARGER WATER RETURN	03.5A525	VALVE, OIL SAMPLING	04.1B555
TUBE, STRAINER TO FUEL PUMP	02.5A050	VALVE, OIL PRESSURE RELIEF	04.1B582
TUBE, FUEL PUMP TO FILTER	02.5A100	VALVE, OIL PUMP OUTLET PIPE BYPASS	04.1B630
TUBE, FUEL PUMP TO CYLINDER HEAD	02.5A101	VALVE, OIL PRESSURE REGULATOR	04.1C700
TUBE, JUNCTION BLOCK TO COLD PLATE	02.5A167	VALVE, OIL FILTER BYPASS	04.2A485

PART NAME	GROUP NO.	PART NAME	GROUP NO.
VALVE, OIL CONTROL (THERMATIC)	04.4A066		
VALVE, OIL COOLER BYPASS	04.4A140		

W

WASHER, CRANKSHAFT MAIN BEARING THRUST	01.3100
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- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.5A FUEL LINES AND FUEL COOLER
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

00.1 ENGINE ASSEMBLY, REMAN				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	A									
00.1010		ENGINE ASSEMBLY, THREE-QUARTER BLOCK REMAN											
		<i>3/4 ENGINES INCLUDE CYLINDER BLOCK WITH ALL INTERNAL PARTS, COMPLETE CYLINDER HEAD ASSY., INJECTORS, FLYWHEEL HOUSING, OIL DISTRIBUTION SYSTEM, OIL PAN, WATER PUMP, VALVE COVER, GEAR TRAIN AND FRONT MOTOR MOUNT.</i>											
	R23507931	3/4 ENG 6067WU40 11.1L DDEC I-PRE-RIGHT SIDE		AR									
	R23507931J	6067WU40 11.1L DDEC II PRE-RIGHT SIDE W/JAKESKES		AR									
	R23507932	3/4 ENG 6067GU40 12.7L DDEC II 425HP@2100 RPM OR MORE		AR									
	R23507932J	3/4 ENG 6067GU40 12.7L DDEC II 425HP@2100RPM OR MOORE W/JAKE		AR									
	R23516836	3/4 ENG 6067GU40 12.7L DDEC II 425HP@2100RPM ORMORE		AR									
	R23516836J	3/4 ENG 6067GU40 12.7L DDEC II 425HP@2100RPM OR MOORE W/JAKE		AR									
	R23516837	3/4 ENG 6067WU60 11.1L DDEC II FORD 14 DEGREE TILT		AR									
	R23516837J	3/4 ENG 6067WU60 DDEC II FORD 14 DEG TILT W/JAKE		AR									
	R23516838	3/4 ENG 6067GU60 12.7L DDEC II-BHP 425@2100RPM ORGREATER		AR									
	R23516838J	3/4 ENG 6067GU60 12.7L DDEC II-BHP 425@2100RPM ORGREATER W/JAKE		AR									
	R23520141	3/4 ENG 6067WU60 11.1L DDEC II		AR									
	R23520141J	3/4 ENG 6067WU60 11.1L DDEC II W/JAKE		AR									
	R23520142	3/4 ENG 6067GU60 12.7L DDEC II-BHP 430@1800RPM ORLESS		AR									
	R23520142J	3/4 ENG 6067GU60 12.7L DDEC II-BHP 430@1800RPM ORLESS		AR									
	R23520143	3/4 ENG 6067WK60 11.1L DDEC III		AR									
	R23520143J	3/4 ENG 6067WK60 11L DDEC III W/JAKE		AR									
	R23520143SK	3/4 ENG 6067SK60 11.1L DDEC III		AR									
	R23520143SKJ	3/4 ENG 6067SK60 11.1L DDEC III W/JAKE		AR									
	R23520144	3/4 ENG 6067GK60 12.7L DDEC III 365-430HP (EXCLUDES 430HP@1650 LB.FT.)		AR									
	R23520144J	3/4 ENG 6067GK60 12.7L DDEC III 365-430HP (EXCLUDE430HP @ 1650LB.FT.)		AR									
	R23520145	3/4 ENG 6067WK60 11.1L DDEC III		AR									
	R23520145J	3/4 ENG 6067WK60 11.1L DDEC III W/JAKE		AR									
	R23520146	3/4 ENG 6067GK60 12.7L DDEC III 365-430HP (EXCLUDES 430HP@1650 LB.FT.)		AR									
	R23520146J	3/4 ENG 6067GK60 12.7L DDEC III- 365/430HP (EXCLUDES 430HP@1650 LB.FT.)		AR									
	R23520150	3/4 ENG 6067GK28 12.7L DDEC III 365-430HP (EXCLUDES 430HP@1650 LB.FT.)		AR									
	R23520150J	3/4 ENG 6067GK28 12.7L DDEC III 365/430HP (EXCLUDES 430HP@1650 LB.FT.)		AR									
	R23520152	3/4 ENG 6067GK60 12.7L DDEC III 470-500HP@1550 FPTOR LESS		AR									
	R23520152J	3/4 ENG 6067GK60 12.7L DDEC III-470/500HP@1550FPTOOR LESS		AR									
	R23524561	3/4 ENG 6067TK60 12.7L DDEC IV		AR									
	R23524561J	3/4 ENG 6067TK60 12.7L DDEC IV W/JAKE		AR									
	R23525588	3/4 ENG 6063GK33 12.7L DDEC III C&I 500HP		AR									
	R23526055	3/4 ENG 6067EK60 11.1L DDEC IV		AR									

00.1 ENGINE ASSEMBLY, REMAN

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	A
00.1010		ENGINE ASSEMBLY, THREE-QUARTER BLOCK REMAN		
		<i>3/4 ENGINES INCLUDE CYLINDER BLOCK WITH ALL INTERNAL PARTS, COMPLETE CYLINDER HEAD ASSY., INJECTORS, FLYWHEEL HOUSING, OIL DISTRIBUTION SYSTEM, OIL PAN, WATER PUMP, VALVE COVER, GEAR TRAIN AND FRONT MOTOR MOUNT.</i>		
	R23526055J	3/4 ENG 6067EK60 11.1L 3/4 DDEC IV W/JAKE	AR	
	R23526056	3/4 ENG 6067PK60 12.7L DDEC IV	AR	
	R23526056J	3/4 ENG 6067PK60 12.7L DDEC IV	AR	
	R23526057	3/4 ENG 6067TK28 12.7L DDEC IV	AR	
	R23526456	3/4 ENG 6067GK60 12.7L DDEC III 470-500HP@1650 LB.FT	AR	
	R23526456J	3/4 ENG 6067GK60 12.7L DDEC III 470/500HP@1650 LB.FT.	AR	
	R23526458	3/4 ENG 6063GK33 12.7L DDEC III C&I 475HP AND BELOW	AR	
	R23526503	3/4 ENG 6067GU28 12.7L DDEC II-BHP 425@2100RPM OR GREATER	AR	
	R23526528	3/4 ENG 6067BK60 12.7L DDEC IV 9525	AR	
	R23526528J	3/4 ENG 6067BK60 12.7L DDEC IV WITH 770 JAKES	AR	
	R23526529	3/4 ENG 6067BK28 12.7L DDEC IV	AR	
	R23526530	3/4 ENG 6067GT40 12.7L 350-450HP DDEC I PRE-RIGHTSIDE	AR	
	R23526530J	3/4 ENG 6067GT40 12.7L 350-450HP DDEC I PRE-RIGHTSIDE W/JAKE	AR	
	R23526531	3/4 ENG 6067GT40 12.7L 430-450HP DDEC I PRE-RIGHTSIDE	AR	
	R23526531J	3/4 ENG 6067GT40 12.7L 430-450HP DDEC I PRE-RIGHTSIDE W/JAKE	AR	
	R23526532	3/4 ENG 6067LK60 11.1L DDEC IV	AR	
	R23526532J	3/4 ENG 6067LK60 11.1L DDEC IV W/JAKE	AR	
	R23526533	3/4 ENG 6067LK28 11.1L DDEC IV	AR	
	R23526534	3/4 ENG 6067MK60 12.7L DDEC IV	AR	
	R23526534J	3/4 ENG 6067MK60 12.7L DDEC IV WITH 770 BRAKE	AR	
	R23526535	3/4 ENG 6067MK28 12.7L DDEC IV	AR	
	R23526535J	3/4 ENG 6067MK28 12.7L DDEC IV W/JAKES	AR	
	R23526536	3/4 ENG 6067SK28 11.1L DDEC III	AR	
	R23526537	3/4 ENG 6067WK28 11.1L DDEC III	AR	
	R23526538	3/4 ENG 6067WT40 11.1L DDEC I/ PRE-RIGHT SIDE	AR	
	R23526538J	3/4 ENG 6067WT40 11.1L DDEC I/ PRE-RIGHT SIDE W/JAKES	AR	
	R23526612	3/4 ENG 6067EK28 11.1L DDEC IV	AR	
	R23526613	3/4 ENG 6067GK28 12.7L DDEC III 365-430HP (EXCLUDES 430HP@1650 LB.FT.)	AR	
	R23526613J	3/4 ENG 6067GK28 12.7L DDEC III 365-430HP (EXCLUDES 430HP@1650 LB.FT.)	AR	
	R23526614	3/4 ENG 6067GU28 12.7L DDEC II-BHP 430@1800RPM OR LESS	AR	
	R23526615	3/4 ENG 6067WK28 11.1L DDEC III	AR	
	R23526778	3/4 ENG 6063GK32 12.7L DDEC III UNDERGROUND MINE	AR	
	R23527971	3/4 ENG 6067WU28 11.1L DDEC II	AR	

				TYPES									
00.1 ENGINE ASSEMBLY, REMAN				A									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
00.1010		ENGINE ASSEMBLY, THREE-QUARTER BLOCK REMAN											
		<i>3/4 ENGINES INCLUDE CYLINDER BLOCK WITH ALL INTERNAL PARTS, COMPLETE CYLINDER HEAD ASSY., INJECTORS, FLYWHEEL HOUSING, OIL DISTRIBUTION SYSTEM, OIL PAN, WATER PUMP, VALVE COVER, GEAR TRAIN AND FRONT MOTOR MOUNT.</i>											
	R23528346	3/4 ENG 6063EK33 11.1L DDEC IV C&I	AR										
	R23528464	3/4 ENG 6067HK60 14L DDEC IV	AR										
	R23528464J	3/4 ENG 6067HK60 14.0L DDEC IV W/JAKE	AR										
	R23529431	3/4 ENG 6067GK60 12.7L DDEC III SAME AS 144 EX. HAS NAVISTAR TILT HSG	AR										
	R23529432	3/4 ENG 6067TK60 12.7L DDEC IV F/W HSG 23522646FW/HSG	AR										
	R23529433	3/4 ENG 6067PK62 12.7L DDEC IV AUSTRALIAN UNIT W/LO/FLO INJECTORS	AR										
	R23529433J	3/4 ENG 6067PK62 12.7L DDEC IV AUSTRALIAN UNIT W/LO/FLOW INJECTORS W/JAKE	AR										
	R23529516	3/4 ENG 6067MK60 12.7L DDEC IV	AR										
	R23529516J	3/4 ENG 6067MK60 12.7L DDEC IV WITH 770 BRAKES	AR										
	R23529995	3/4 ENG 6067GK60 12.7L DDEC III 470HP AND ABOVE	AR										
	R23530124	3/4 ENG 6067MK60 12.7L DDEC IV	AR										
	R23530124J	3/4 ENG 6067MK60 12.7L DDEC IV WITH FLAT BRAKES	AR										
	R23530169	3/4 ENG 6067BK60 12.7L DDEC IV FLAT BRAKE READY9525	AR										
	R23530169J	3/4 ENG 6067BK60 12.7L DDEC IV WITH FLAT BRAKES10025	AR										
	R23530567	3/4 ENG 6067MK28 12.7L DDEC IV	AR										
	R23530684	3/4 ENG 6067MK60 12.7L DDEC IV	AR										
	R23530978	3/4 ENG 6063HK32 14L DDEC IV UNDERGROUND MINE	AR										
	R23531054	3/4 ENG 6067MK60 12.7L DDEC IV FLAT BRAKE READY	AR										
	R23531054J	3/4 ENG 6067MK60 12.7L DDEC IV WITH FLAT BRAKES	AR										
	R23531055	3/4 ENG 6067MK60 12.7L DDEC IV FLAT BRAKE READY	AR										
	R23531055J	3/4 ENG 6067MK60 12.7L DDEC IV WITH FLAT BRAKES	AR										
	R23531056	3/4 ENG 6067BK60 12.7L DDEC IV FLAT BRAKE READY	AR										
	R23531056J	3/4 ENG 6067BK60 12.7L DDEC IV WITH FLAT BRAKES	AR										
	R23532485	3/4 ENG 6063TK33, 6063MK33 12.7L DDEC IV ALL HP	AR										
	R23534247	3/4 ENG 6067MK6E 12.7L DDEC IV	AR										
	R23534247J	3/4 ENG 6067MK6E 12.7L EGR DDEC IV WITH FLAT JAKES	AR										
	R23534248	3/4 ENG 6067HK6E 14L DDEC IV EGR W/O JAKE	AR										
	R23534248J	3/4 ENG 6067HK6E DDEC IV EGR W/JAKE BRAKES	AR										
	R23535340	3/4 ENG 6067HV6E 14L DDEC V EGR TRUCK	AR										
	R23535341	3/4 ENG 6067MV6E 12L DDEC V EGR TRUCK	AR										
00.1020		ENGINE ASSEMBLY, COMPLETE REMAN											

00.1 ENGINE ASSEMBLY, REMAN

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
00.1020		ENGINE ASSEMBLY, COMPLETE REMAN	A
	R23526353	S60 12.7L PWR CHOICE ON HWY EXCHANGE <i>EXCLUDES MODELS 6067MK6E AND 6067XXG8.</i>	AR
	R23526353J	S60 12.7L PWR CHOICE ON HWY EXCHANGE W/JAKES <i>EXCLUDES MODELS 6067MK6E AND 6067XXG8.</i>	AR
	R23526894	S 60 12.7L PWR CHOICE ON HWY EXCHANGE	AR
	R23526894J	S 60 12.7L PWR CHOICE ON HWY EXCHANGE W/JAKES	AR
	R23527972	S 60 11.1L PWR CHOICE ON HWY EXCHANGE	AR
	R23527972J	S 60 11.1L PWR CHOICE ON HWY EXCHANGE W/JAKES	AR
	R23528463	S 60 14.0L PWR CHOICE ON HWY EXCHANGE <i>EXCLUDES MODEL 6067HK6E.</i>	AR
	R23528463J	S 60 14.0L PWR CHOICE ON HWY EXCHANGE W/JAKES <i>EXCLUDES MODEL 6067HK6E.</i>	AR
	R23533963	ENGINE S60 EGR 14.0L PWR CHOICE ON HWY	AR
	R23533963J	ENGINE S60 EGR 14.0L PWR CHOICE ON HWY W/JAKES	AR
	R23533964	ENGINE S60 EGR 12.7L PWR CHOICE ON HWY	AR
	R23533964J	ENGINE S60 EGR 12.7L PWR CHOICE ON HWY W/JAKES	AR
	R23535407	ENGINE COMPLETE DDEC V 6067HV6E EGR ON-HIGHWAY	AR
	R23535408	ENGINE COMPLETE DDEC V 6067MV6E EGR ON-HIGHWAY	AR

- 00 ENGINE ASSEMBLIES
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

DETROIT DIESEL

SERIES 60

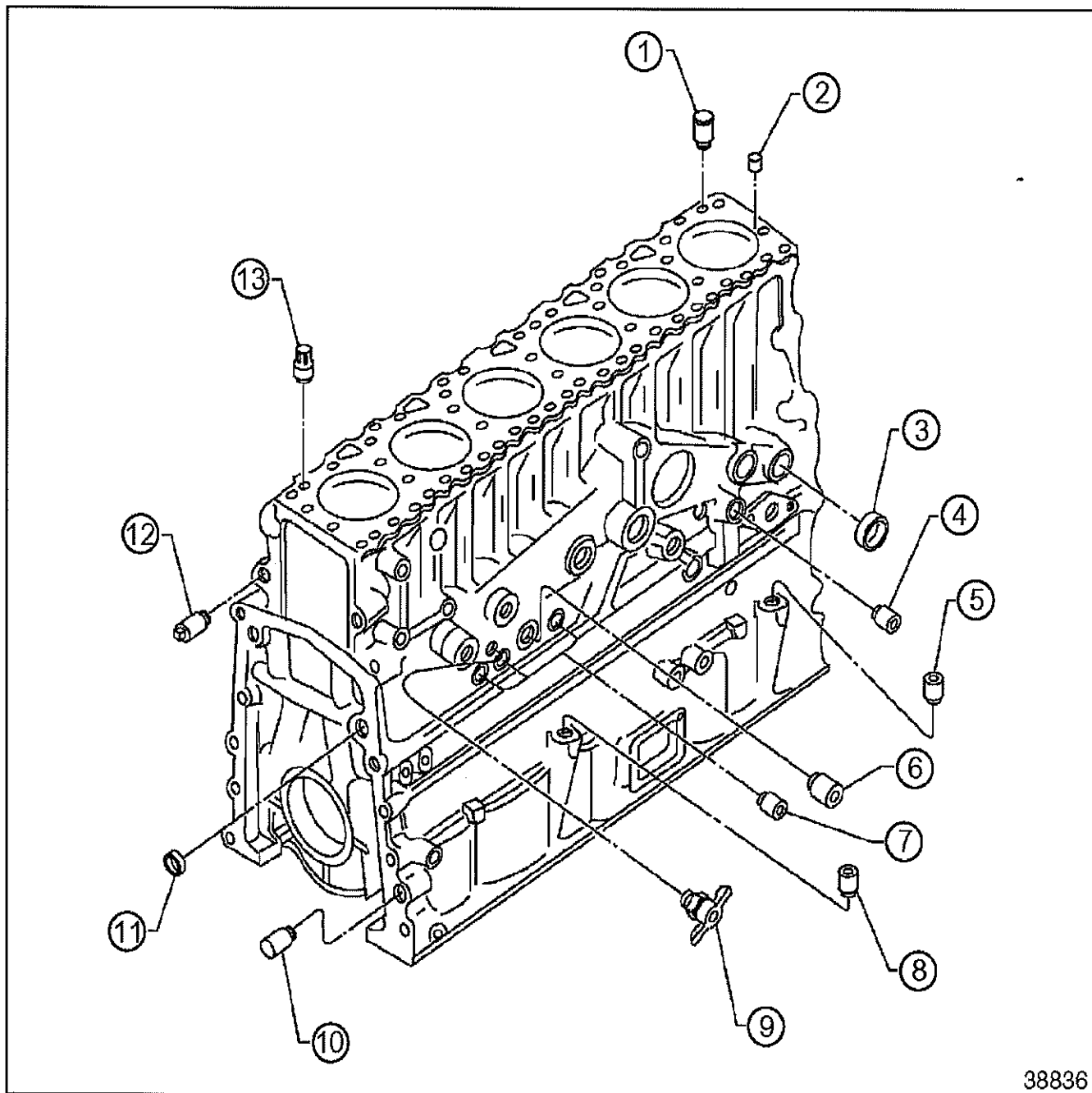
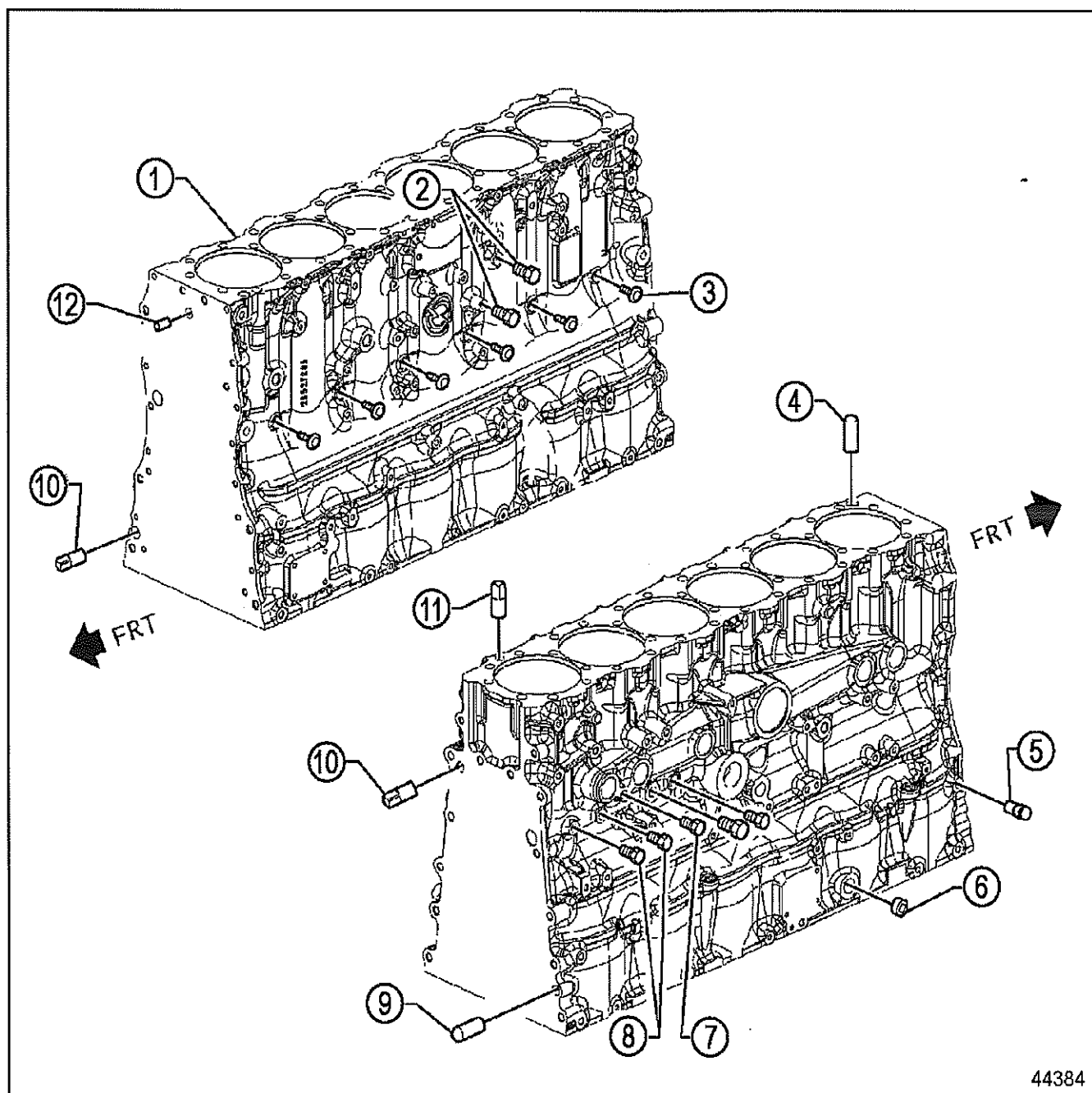


FIG 1 of 01.1

DETROIT DIESEL

SERIES 60



				TYPES									
01.1 CYLINDER BLOCK													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	6									
				8									
				2									
	01.1001	BLOCK, CYLINDER											
2:7	08922327	PLUG, 1/4" NPTF (12.9550)	1										
2:9	08929015	DOWEL PIN, 16 MM., CIRCULAR (1.1001)	1										
2:10	08929022	DOWEL PIN 16 MM., DIAMOND (1.1001)	2										
2:4	08929152	PIN, DOWEL 20.0 MM CIRCULAR	1										
2:11	08929153	PIN, DOWEL 20.0 MM DIAMOND	1										
2:3	08929432	PLUG, WEEP HOLE (SPECIAL)	6										
2:5	23509239	STUD. M12X1.75X34.0	1										
2:1	23526902	BLOCK ASM CYL MTLC WIDE PINK NOZ 14MM F/W HSG HOLE; USE: 23527079	NS										
2:1	23527079	BLOCK ASSY. TLC FOR ART STL PSTN COOL NOZ 14L	1										
	23532741	PLUG, PIPE 1/4-18 VIBRASEAL BRASS HEX HD	1										
	01.1002	GASKET KIT, ENGINE OVERHAUL											
		<i>A GASKET KIT CONSISTS OF THE NECESSARY GASKETS FOR ONE COMPLETE ENGINE OVERHAUL.</i>											
	23532720	ENGINE OVERHAUL GASKET KIT	AR										
	01.1035	SHELL, CRANKSHAFT MAIN BEARING											
	23533691	KIT, MAIN BEARING/THRUST W/4 THRUST WASHERS	1										
		<i>INCLUDES SEVEN EACH STD. UPPER & LOWER MAIN SHELLS PLUS FOUR THRUST WASHERS TWO STD. FRONT AND TWO STD. REAR.</i>											
	08929670	SHELL SET, STANDARD (MAIN)	7										
	23530554	WASHER CR/SHF THRUST (FRONT)	2										
	23530555	WASHER CR/SHF THRUST (REAR)	2										

DETROIT DIESEL

SERIES 60

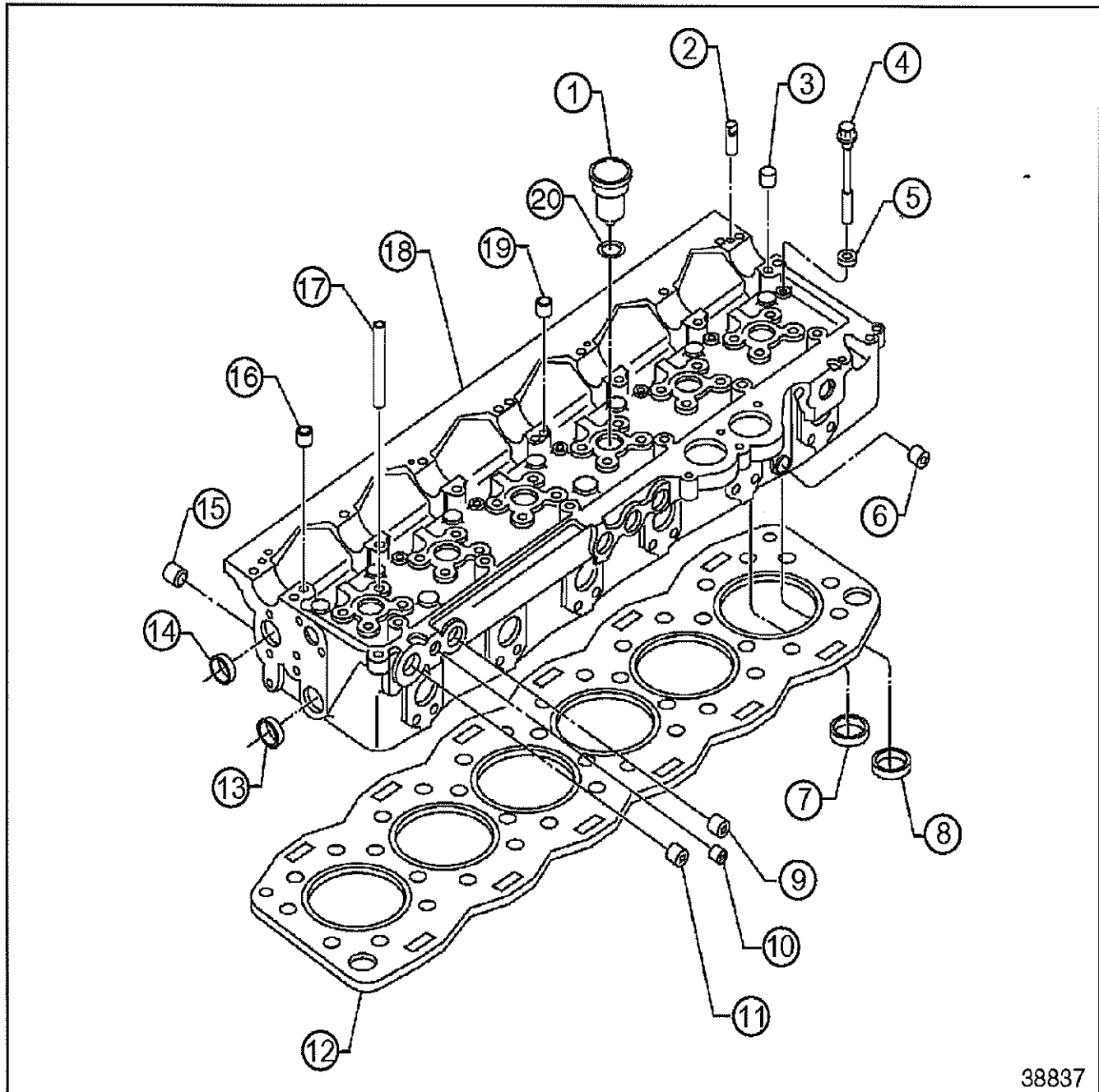


FIG 1 of 01.2

01.2 CYLINDER HEAD				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	5									
	01.2001	HEAD ASSY., CYLINDER		3									
1:5	08929328	WASHER, 16.8" X 25.8" (12.9190)	38	0									
1:4	23530768	BOLT, M16 2.0 X 1.75.0 LG HEX 10.9 (12.9001)	38										
1:18	R23533690	HEAD ASSY., W/VALVES & SPRINGS COMPLETE 60 2004	1										
	01.2007	GASKET KIT, CYLINDER HEAD											
	23531255	KIT, HEAD GASKET W/BOLTS S60	1										
		NOT SERVICED, USE 23532298 GASKET W/INSTRUCTIONS PLUS 38-23530768 BOLTS.											
	01.2045	TUBE, INJECTOR HOLE											
1:1	23533148	TUBE, INJ HOLE CYL HEAD (STAINLESS STEEL)	6										
	01.2046	RING, INJECTOR HOLE TUBE SEAL											
1:20	23533147	RING O (.103 X 1.049 ID) RD SECT SST INJ SLEEVE	6										

DETROIT DIESEL

SERIES 60

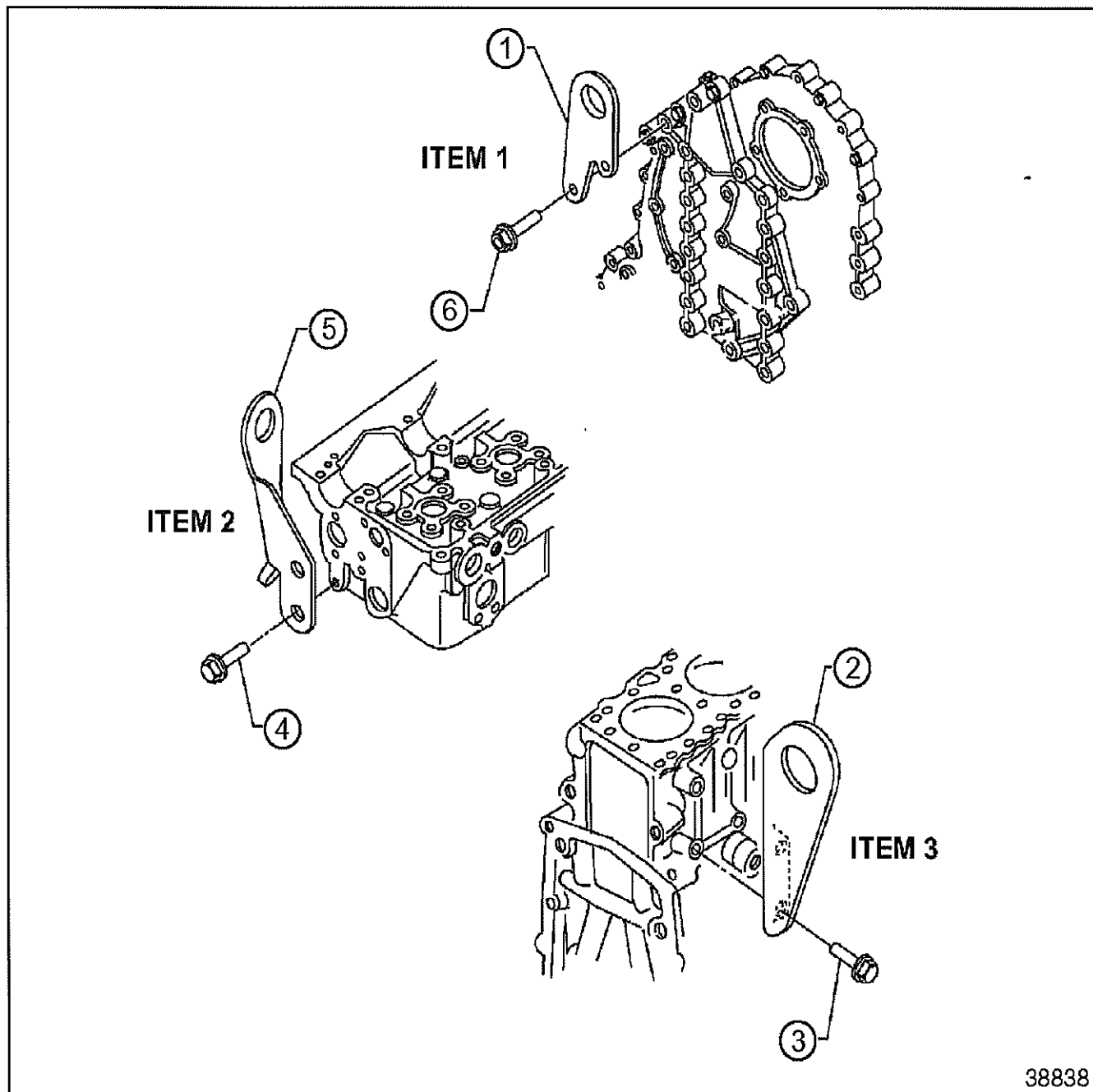
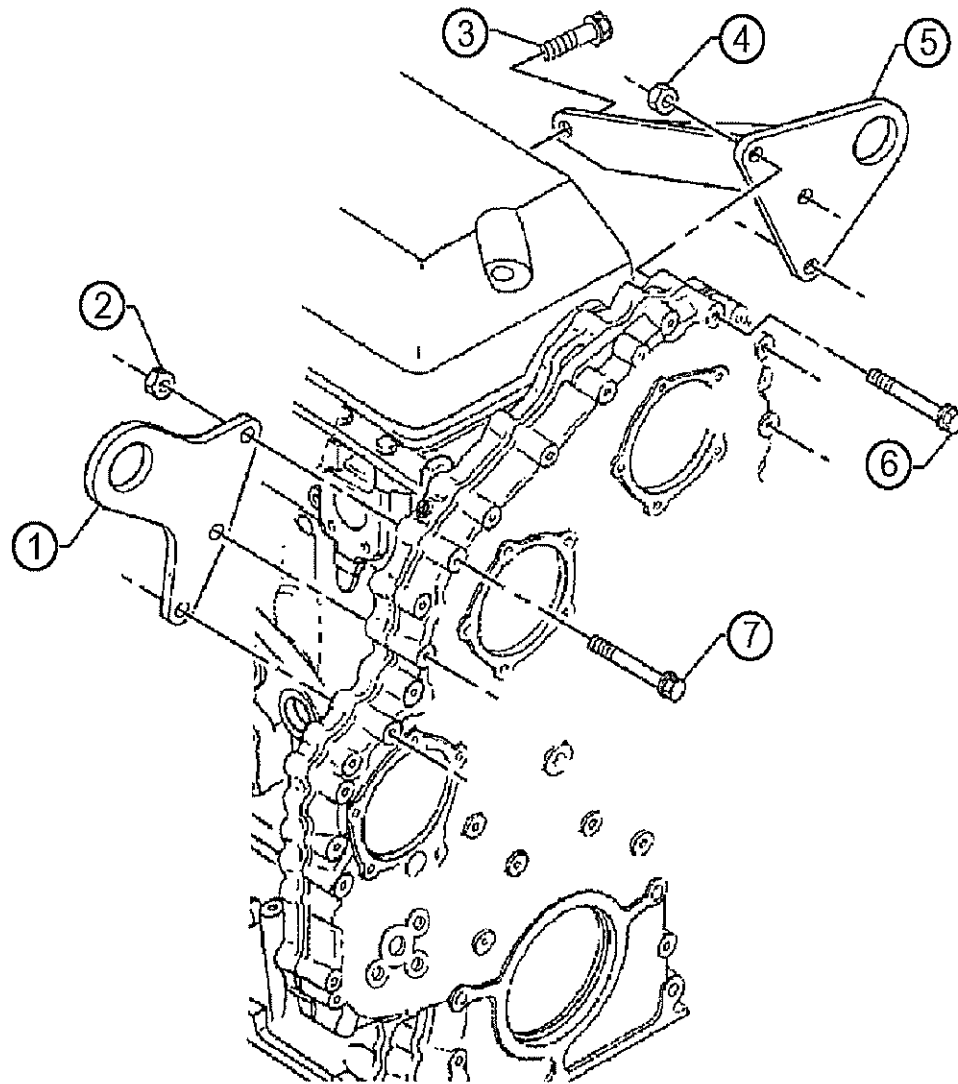


FIG 1 of 01.2A

DETROIT DIESEL

SERIES 60



06A05 6010

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FIG 2 of 01.2A

01.2A ENGINE LIFTER BRACKET

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.																	
	01.2A070	BRACKET, ENGINE LIFTER-FRONT		2																
1:1	08929754	BRACKET (ITEM 1)		6																
1:6	11509530	BOLT, M14 X 2.0 X 40 MM		0																
	01.2A080	BRACKET, ENGINE LIFTER - REAR		1																
1:5	08929408	BRACKET (ITEM 2); USE: 23534157		2																
1:2	08929638	BRACKET (ITEM 3); USE: 23518652		NS																
1:4	11509528	BOLT, M12 X 1.75 X 30 MM		NS																
	23518652	BRACKET ENG LFTR RR LB HD PLATED S60		5																
	23534157	BRKT ENG LFTR RR SAE 1008/1010 S60		1																
				1																

DETROIT DIESEL

SERIES 60

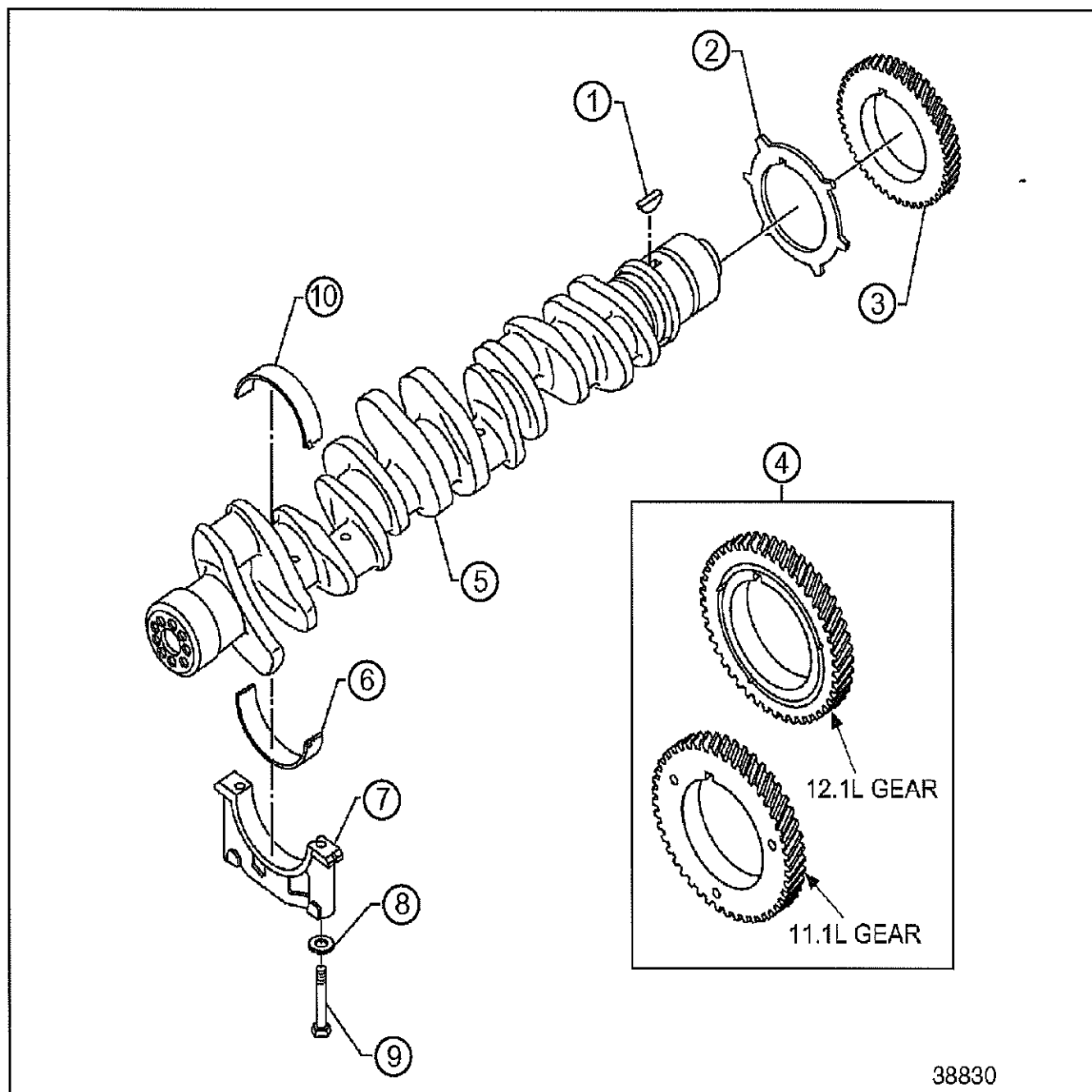


FIG 1 of 01.3

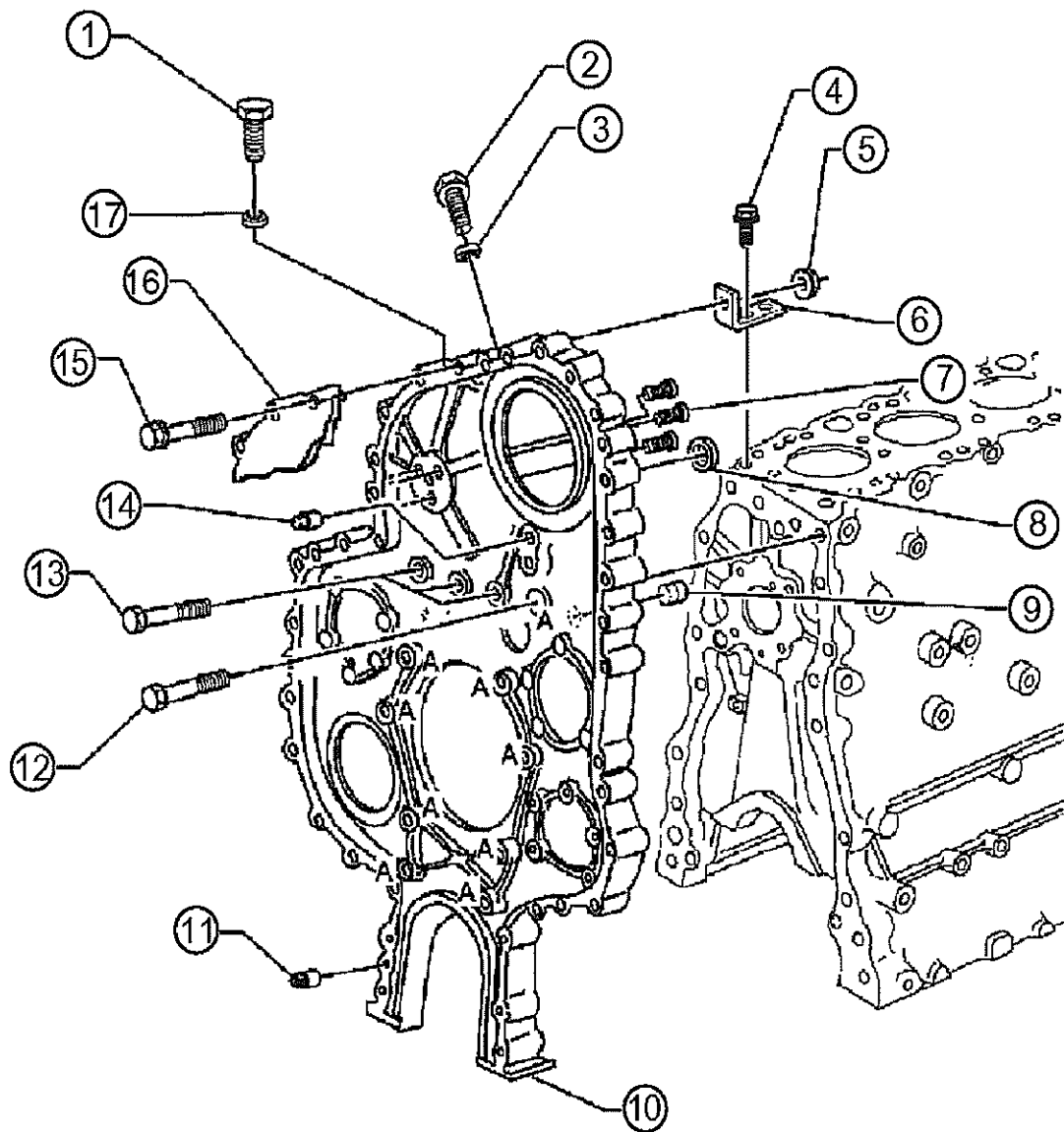
TYPES

		01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	5	3					
	01.3001	CRANKSHAFT ASSY. <i>NEW CRANKSHAFTS FOR WIDER CONN ROD BEARINGS AND CONN ROD ASSYS. MUST BE USED TOGETHER TO ENSURE INTERCHANGEABILITY.</i>									
1:5	23522887	CRANKSHAFT, 14.0L 168 STROKE; USE: 23527225	NS								
1:5	23527225	CRANKSHAFT, 168 STROKE 12 HOLE 14L	1								
	01.3040	SEAL, CRANKSHAFT OIL-FRONT NOTE SEAL (REFER TO 1.3166 IN 1.3000A)	AR								
	01.3060	SEAL, CRANKSHAFT OIL-REAR NOTE SEAL (REFER TO 1.5004 IN 1.5000A)	AR								
	01.3066	SLEEVE, CRANKSHAFT REAR OIL SEAL NOTE SLEEVE (REFER TO 1.5012 IN 1.5000A)	AR								
	01.3090	SHELL, CRANKSHAFT MAIN BEARING <i>A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL. ... REFER TO CYLINDER BLOCK TYPE IN 01.1035 FOR COMPLETE LOWER END BEARING KIT LESS CONNECTING ROD SHELLS (REF: 04TS-33).</i>									
	08929670	SHELL SET, STANDARD (MAIN) <i>FOR SERVICING CORRECT QTY. OF STD. MAIN BEARING SHELLS, THRUST BEARING SHELLS AND THRUST WASHERS, REFER TO CYLINDER BLOCK TYPE FOR COMPLETE LOWER END BEARING KIT IN 1.1035. THESE KITS DO NOT INCLUDE THE CONN ROD SHELLS.</i>	AR								
	08929671	SHELL SET, .254MM UNDER SIZE (MAIN)	AR								
	08929672	SHELL SET, .508MM UNDER SIZE (MAIN)	AR								
	08929673	SHELL SET, .762MM UNDER SIZE (MAIN)	AR								
	08929680	SHELL SET, STANDARD (THRUST) <i>FOR SERVICING CORRECT QTY. OF STD. MAIN BEARING SHELLS, THRUST BEARING SHELLS AND THRUST WASHERS, REFER TO CYLINDER BLOCK TYPE FOR COMPLETE LOWER END BEARING KIT IN 1.1035. THESE KITS DO NOT INCLUDE THE CONN ROD SHELLS.</i>	AR								
	08929681	SHELL SET, .254MM UNDERSIZE (THRUST)	AR								
	08929682	SHELL SET, .508MM UNDERSIZE (THRUST)	AR								
	08929683	SHELL SET, .762MM UNDERSIZE (THRUST)	AR								
	01.3100	WASHER, CRANKSHAFT MAIN BEARING THRUST									
	08929085	WASHER, (UPPER THRUST ONLY) <i>FOR SERVICING CORRECT QTY. OF STD. MAIN BEARING SHELLS, THRUST BEARING SHELLS AND THRUST WASHERS, REFER TO CYLINDER BLOCK TYPE FOR COMPLETE LOWER END BEARING KIT IN 1.1035. THESE KITS DO NOT INCLUDE THE CONN ROD SHELLS.</i>	AR								
	08929697	WASHER, .127MM O.S.	AR								

				TYPES									
01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS				1									
				5									
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.	3									
REF.			QTY.										
01.3100		WASHER, CRANKSHAFT MAIN BEARING THRUST											
	08929698	WASHER, .254MM O.S.		AR									
01.3110		CAP. CRANKSHAFT MAIN BEARING											
1:7	08929276	CAP, MAIN BEARING (UNSLOTTED); USE: 23530556		NS									
	23530556	CAP MAIN BEARING (END CAP)		7									
01.3140		BOLT, CRANKSHAFT MAIN BEARING CAP											
1:9	08929124	BOLT, M20 X 178.0		14									
1:8	08929125	WASHER, SPECIAL		14									
01.3145		GEAR, CRANKSHAFT TIMING											
1:4	08929497	GEAR, RH, 82T, 133.6MM I.D. 12.7L		1									
1:1	08929808	KEY, .25"X1.375" (12.9350)		1									
1:2	23513537	WHEEL,TIMING RING (2.3145)		1									

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SERIES 60



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FIG 1 of 01.3A

DETROIT DIESEL

SERIES 60

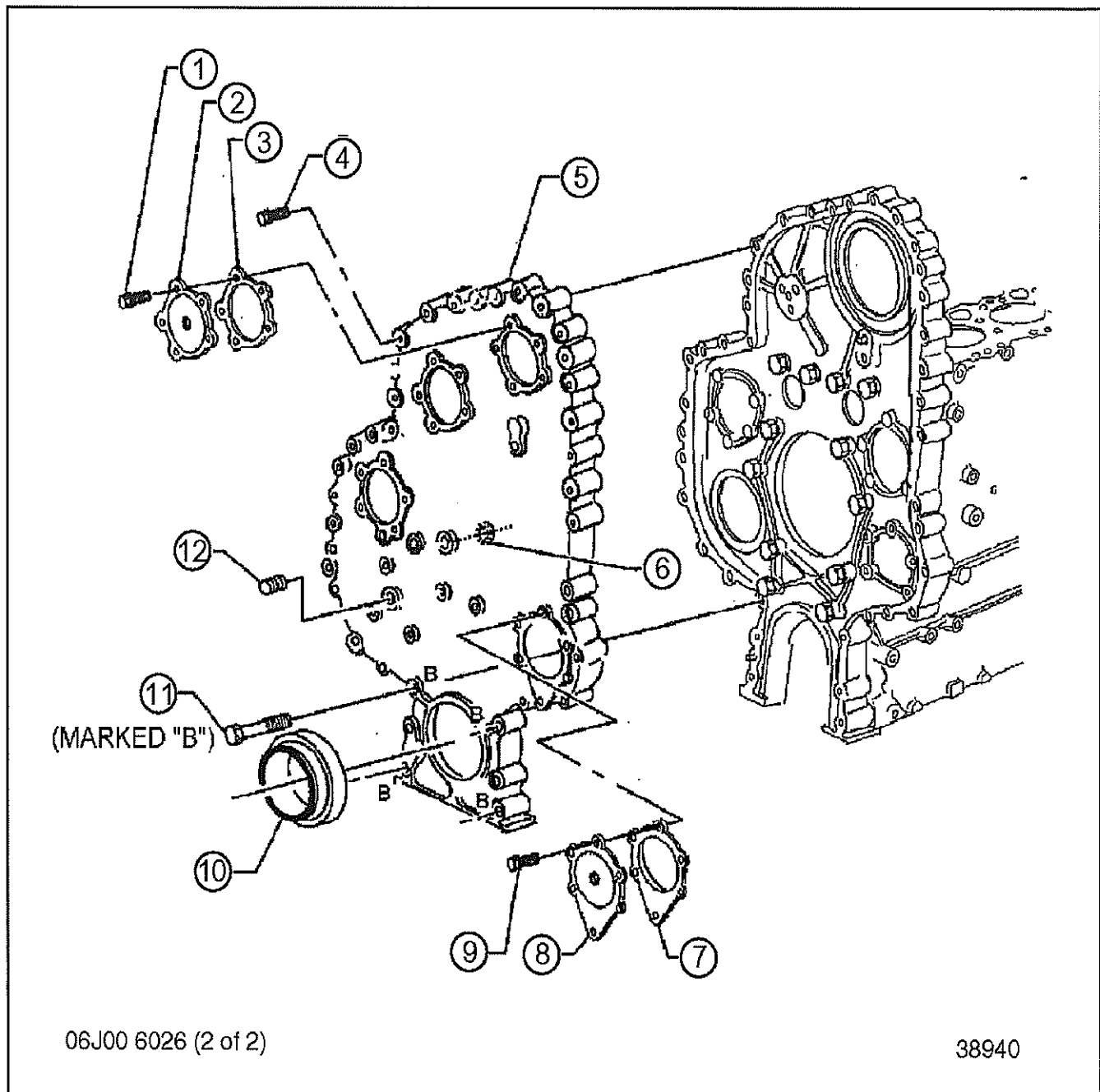


FIG 2 of 01.3A

TYPES

01.3A CRANKSHAFT FRONT COVER

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	01.3A156	HOUSING ASSY., GEAR CASE	
1:2	00181333	BOLT, 5/16"-24 X .625"	1
1:3	05155596	WASHER, 21/64" SPECIAL COPPER (4.7120)	1
1:17	05180370	WASHER, .55" I.D. COPPER (7.4969)	1
1:9	08929015	DOWEL PIN, 16 MM., CIRCULAR (1.1001)	1
1:11	08929022	DOWEL PIN 16 MM., DIAMOND (1.1001)	1
1:7	08929333	BOLT, M12 X 1.75 X 65 (SPECIAL)	3
1:8	08929740	SEAL, RING .134X.074X.480 I.D.)	1
	08929760	SUPPORT (1.3160); USE: 23528306	NS
1:4	11503454	BOLT, M10 X 1.5 X 20.0	2
1:13	11505299	BOLT, M10 X 1.5 X 30.0 MM	4
1:1	11513811	BOLT, M12 X 1.75 X 20 MM	1
1:15	23505062	BOLT, M10 X 1.5 X 40	9
1:10	23505875	HOUSING ASSY., REAR MOUNT WATER PUMP(INCLUDES 8929333 BOLTS & DOWEL PINS IN 1.3156)	1
1:6	23528306	BRACKET, SUPPORT RT SI GEARCASE TO CYL HEAD	1
	01.3A158	COVER, GEAR CASE	
2:6	05141452	SEAL, RING (3.4143)	1
2:12	08924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	1
	11504986	BOLT, M8 X 1.25 X 14 MM	2
2:4	11509523	BOLT, M10 X 1.5 X 55 MM	14
2:11	11509525	BOLT, M10 X 1.5 X 110 MM	4
2:5	23505876	COVER, FRONT	1
	23507422	GUARD, BOLT V18 DMPR & FRT CVR	1
	01.3A166	SEAL, CRANKSHAFT OIL FRONT	
	23513485	SEAL/SLEEVE ASSY.,FRT WRAP-AROUND OVERSIZE; USE: 23518355	NS
2:10	23518355	SEAL/SLEEVE ASSY., FRONT CRANKSHAFT UNITIZED	1
	01.3A191	COVER, ENGINE FRONT ACCESSORY DRIVE	
2:8	08929099	COVER, FRONT ACCESSORY	2
2:1	11504822	BOLT, M8 X 1.25 X 30	11
	23517382	COVER, ACSRY REAR 6 HOLE	1
	01.3A192	GASKET, ENGINE FRONT ACCESSORY DRIVE	
2:3	08929130	GASKET, UPPER RIGHT REAR & FRONT CAM ACCESS.	1
2:7	08929299	GASKET, ACCESSORY FRONT	2

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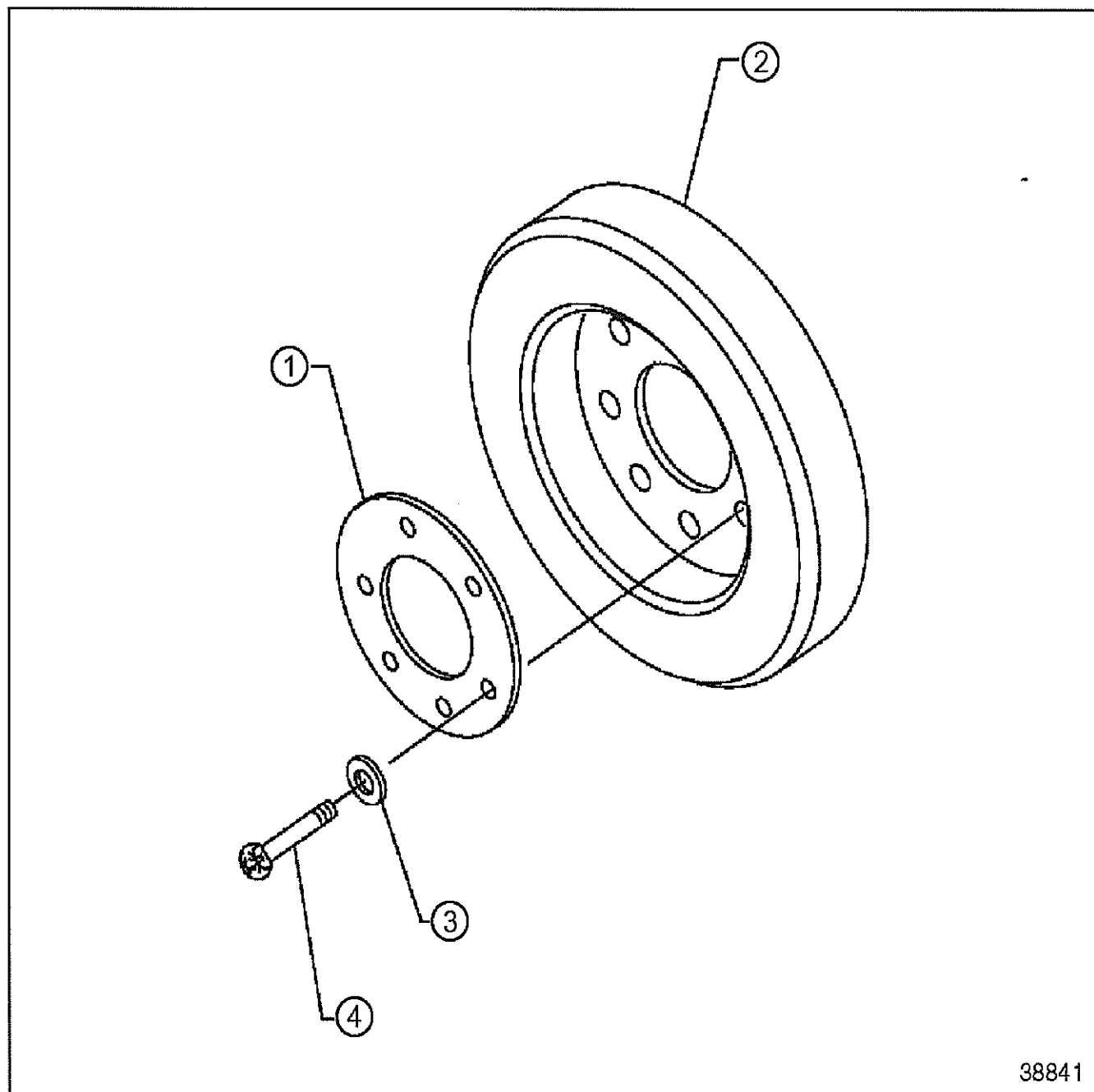


FIG 1 of 01.3B

TYPES

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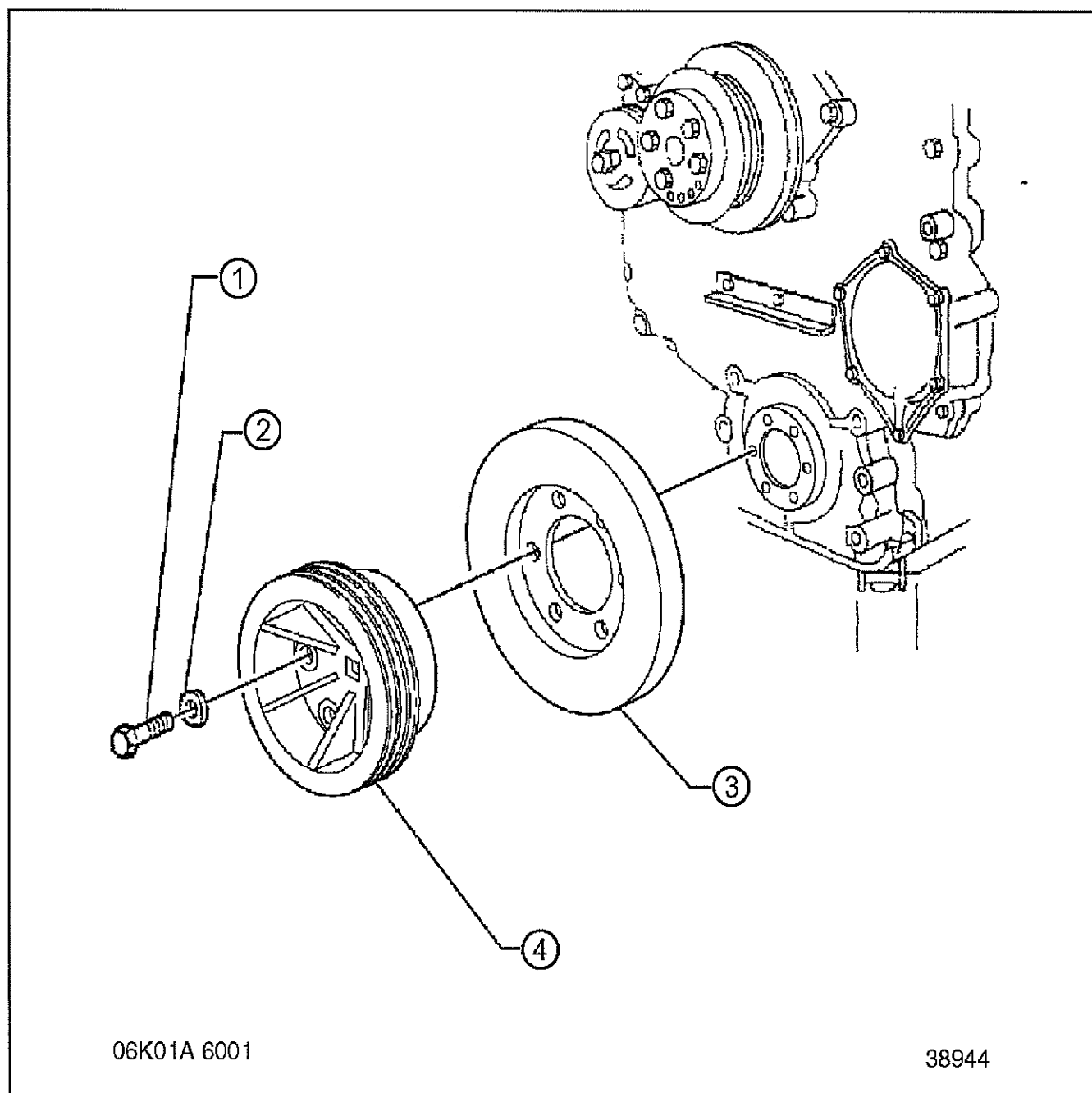


FIG 1 of 01.3C

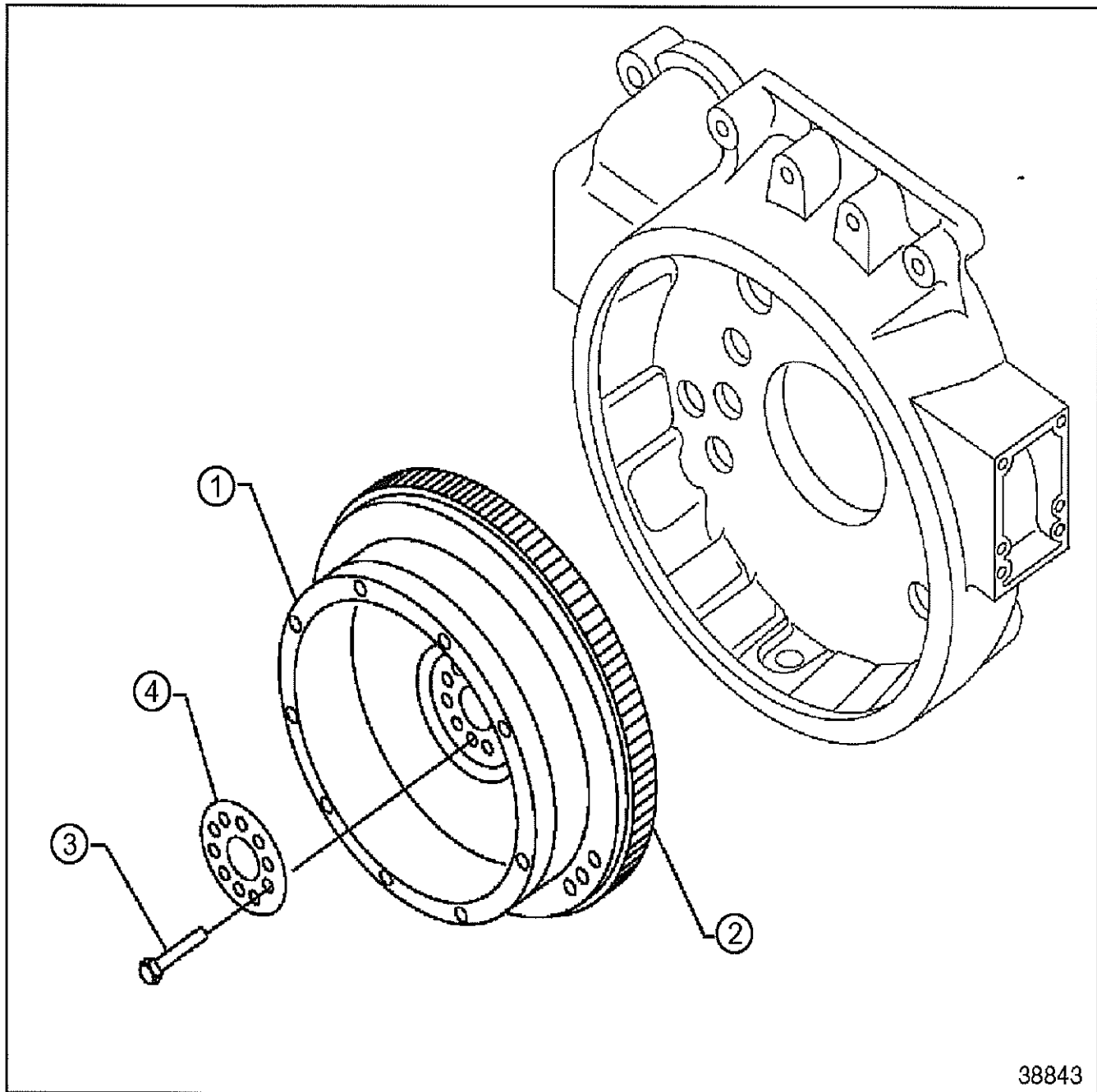
01.3C CRANKSHAFT PULLEY

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	3	8	7														
	01.3C280	PULLEY, CRANKSHAFT																		
1:2	05133981	WASHER, 19/32" (1.1001)	6																	
1:4	08929077	PULLEY, 188.0MM O.D., 4 GROOVE (ITEM 3)	1																	
1:1	08929222	BOLT, 9/16"-18 X 2 1/2"	6																	

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SERIES 60



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FIG 1 of 01.4A

01.4A FLYWHEEL

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.																	
	01.4A001	FLYWHEEL ASSY.		1																
		<i>INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.</i>		1																
1:4	05100532	PLATE, SCUFF 12-.57" HOLES (3"ID CENTER)		1																
1:3	09410925	BOLT, 9/16"-18 X 2 1/4" (12.9001)		12																
1:1	23514751	FLYWHEEL ASSY,SAE1 TYPE 1,GMHD & 1.76		1																
	05184773	GEAR, SAE #1, 118 TEETH, UNCHAMFERED	1																	
	01.4A010	GEAR, FLYWHEEL RING																		
1:2	05184773	GEAR, SAE #1, 118 TEETH, UNCHAMFERED		1																

DETROIT DIESEL

SERIES 60

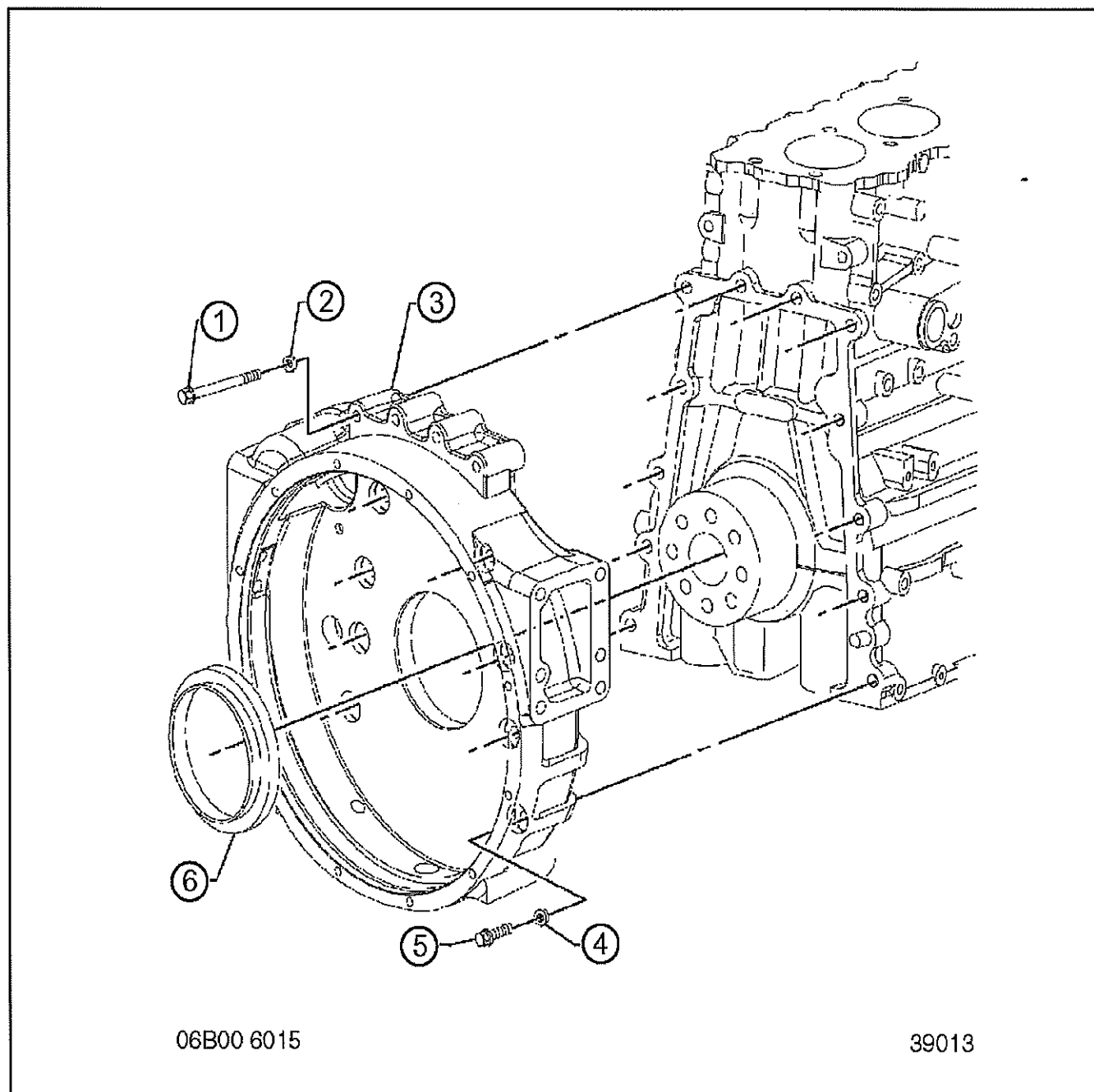


FIG 1 of 01.5A

01.5A FLYWHEEL, HOUSING

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	8	9	6														
	01.5A001	HOUSING ASSY., FLYWHEEL																		
1:2	23522326	WASHER		12																
1:5	23522327	BOLT M14 2.00 X 50.0 LG HEX HD		8																
1:1	23522329	BOLT M14 2.00 X 95.0 LG HEX HD		4																
1:3	23522643	HOUSING ASSY., FLYWHEEL #1 AL 14MM BOLT HOLES		1																
	23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	1																	
	23514442	PIPE PLUG 1 1/4 7/8 TPR SQ SOCHD	1																	
	5106890	PLUG, 3/4"-16 (PLASTIC)	1																	
	01.5A004	SEAL, CRANKSHAFT OIL																		
1:6	23519651	SEAL, REAR CR/SHF		1																

DETROIT DIESEL

SERIES 60

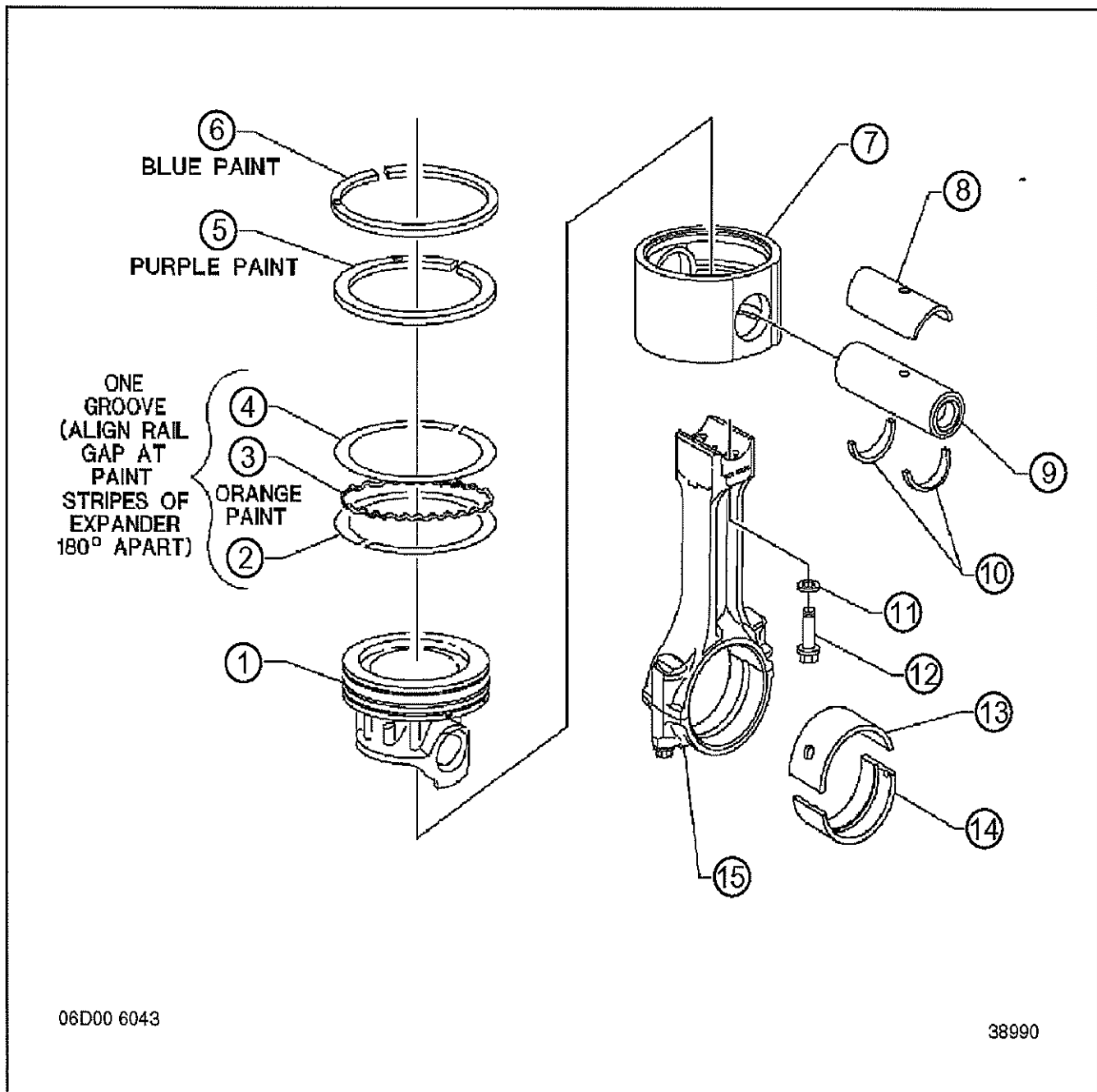


FIG 1 of 01.6

DETROIT DIESEL

SERIES 60

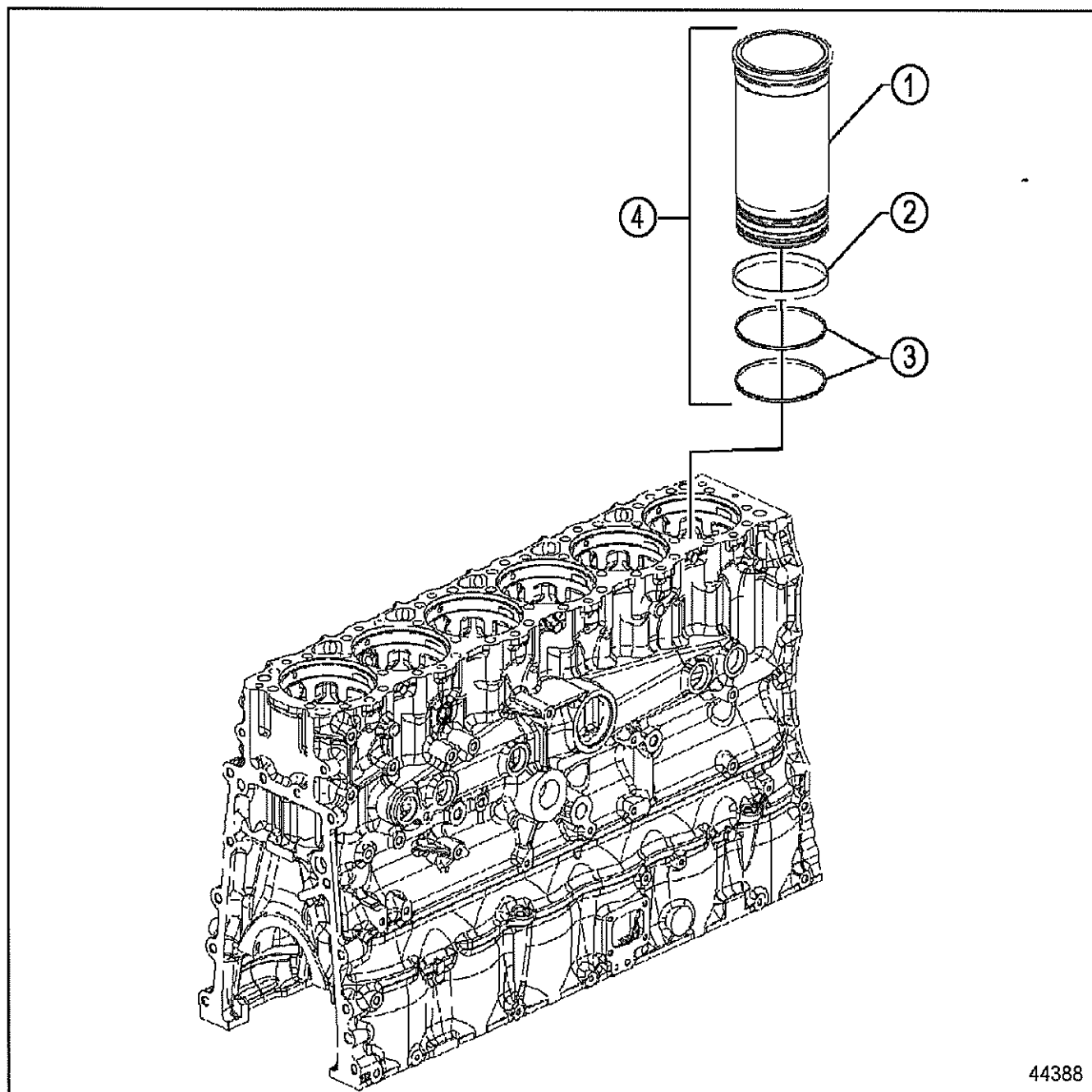


FIG 2 of 01.6

DETROIT DIESEL

SERIES 60

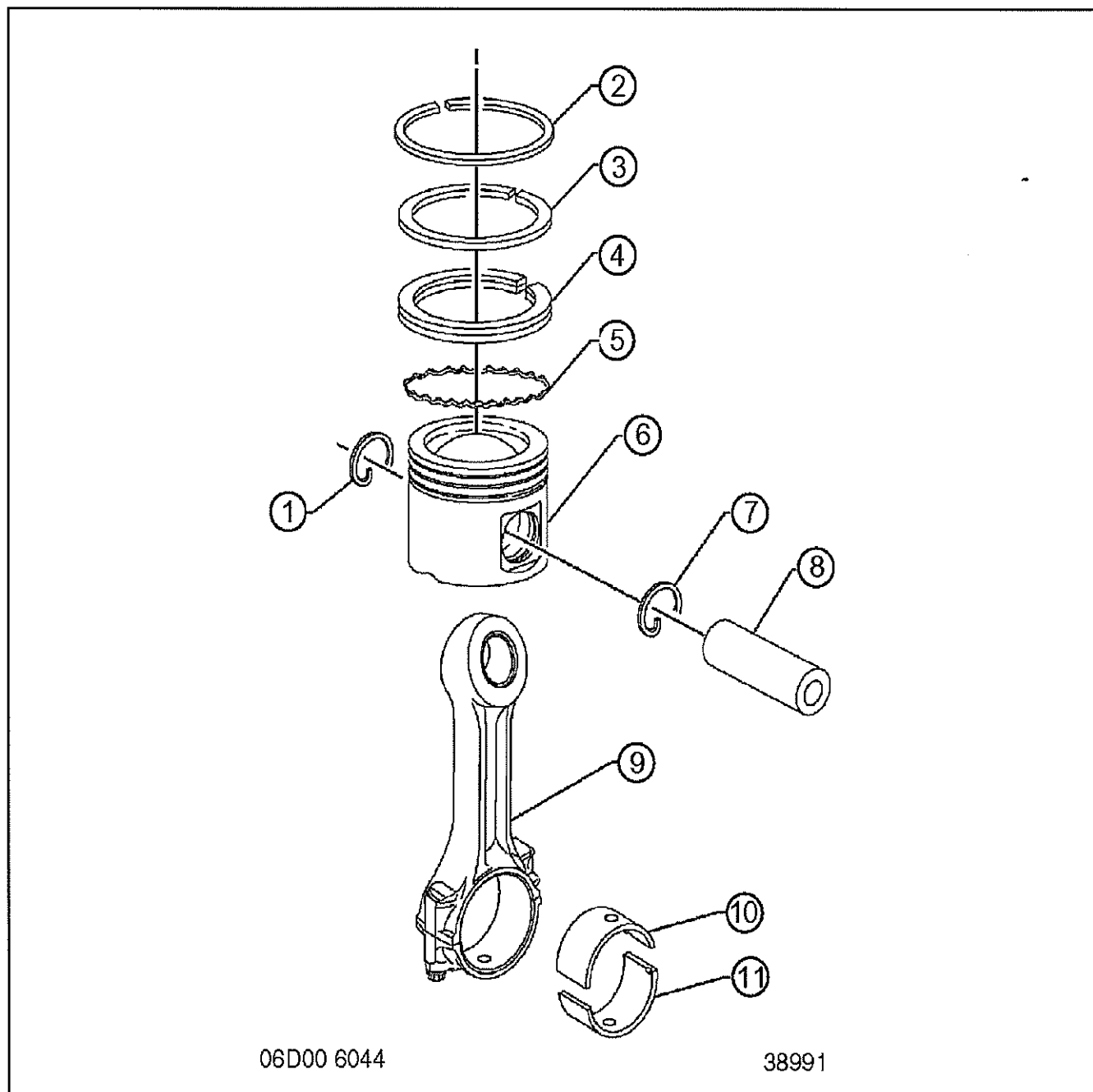
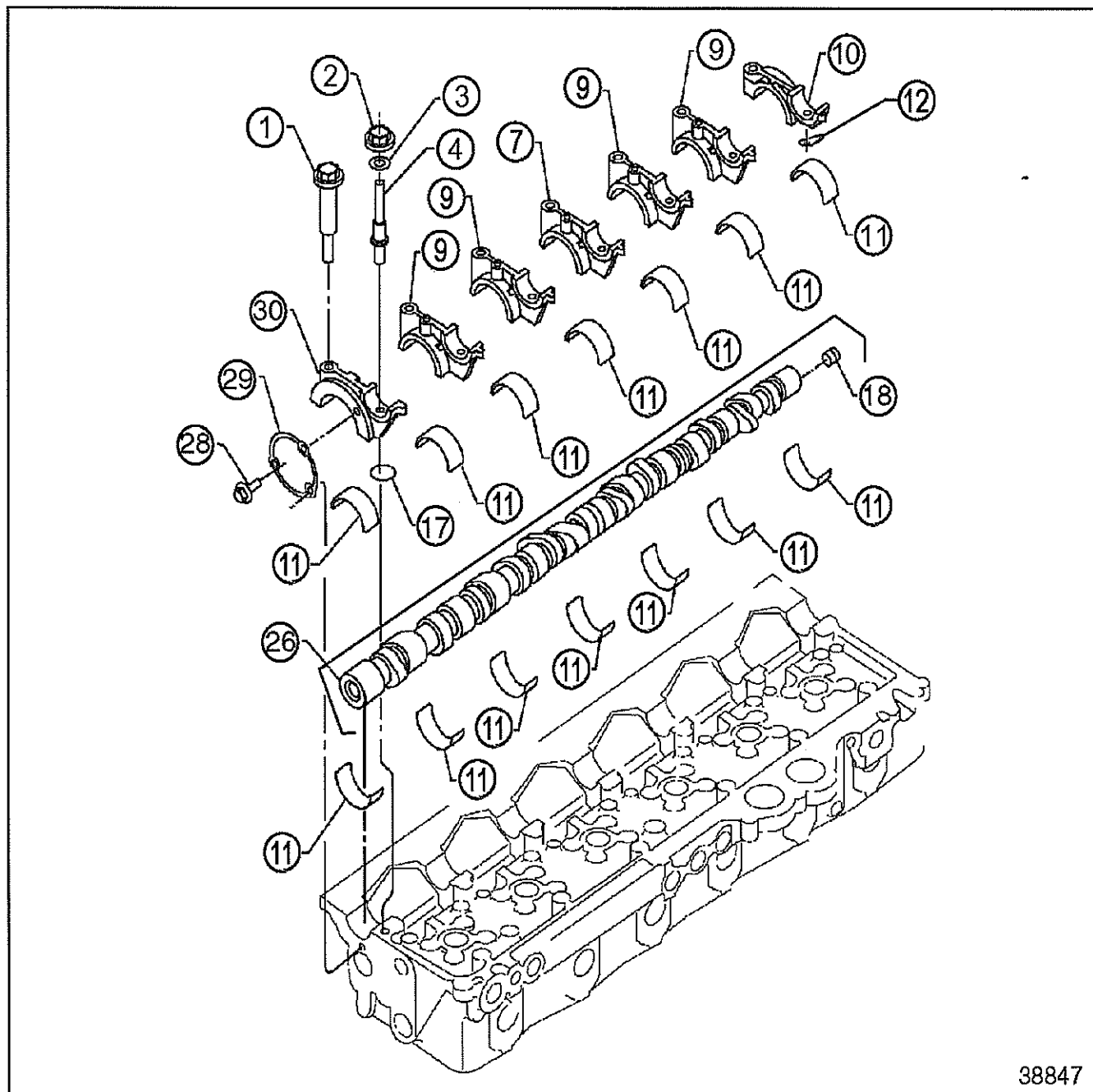


FIG 3 of 01.6

				TYPES									
01.6 CONNECTING ROD AND PISTON				9									
				1									
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.	0									
REF.			QTY.										
01.6001		CONNECTING ROD ASSY.											
	08929019	NUT, MJ14X1.5		2									
	23522877	BOLT, M14 X 1.5 X 111.5L		2									
3:9	23526051	ROD ASSY., CONN DRILLED STL PSTN LEAD FREE; USE: R23526051		NS									
	R23526051	ROD ASSY. CONN DRILLED STL PSTN LEAD FREE		1									
01.6100		SHELL, CONNECTING ROD BEARING											
<i>A SHELL SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING SHELL. NEW CRANKSHAFTS FOR WIDER CONN ROD BEARINGS AND CONN ROD ASSYS. MUST BE USED TOGETHER TO ENSURE INTERCHANGEABILITY.</i>													
3:10	23526141	SHELL SET, STD CONN ROD DRILLED UPR/LWR 14L		1									
	23533567	SHELL SET .010 (.254) US CONN ROD BRG DRL ART STL		AR									
	23533568	SHELL SET .020 (.508) US CONN ROD BRG DRL ART STL		AR									
01.6115		RING SET, PISTON											
<i>RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) PISTON.</i>													
	23531252	PISTON RING SET 14L		1									
01.6120		RING, PISTON COMPRESSION											
3:3	23522879	RING, COMP 14L		1									
3:2	23530860	RING, TOP 3.0 MM		1									
01.6130		RING, PISTON OIL CONTROL											
3:4	23522880	RING, PSTN OIL CONT 14L		1									
3:5	23522881	EXPANDER 14L		1									
01.6140		PIN, PISTON											
3:8	23532007	PIN, PISTON MONOTHERM PSTN		1									
01.6150		RETAINER, PISTON PIN											
3:1	23521781	RETAINER, STEEL PISTON PIN		2									
01.6181		KIT, CYLINDER LINER AND SEALS											
<i>KIT INCLUDES NOT SERVICED SEPARATELY LINER AND SEALS IN 1.6190</i>													
2:4	23531250	KIT, LINER & SEALS 14L		1									
01.6190		SEAL, CYLINDER LINER											
2:2	08929013	SEAL, CREVICE		1									
2:3	08929176	SEAL, D-RING		2									

DETROIT DIESEL

SERIES 60



38847

FIG 1 of 01.7

DETROIT DIESEL

SERIES 60

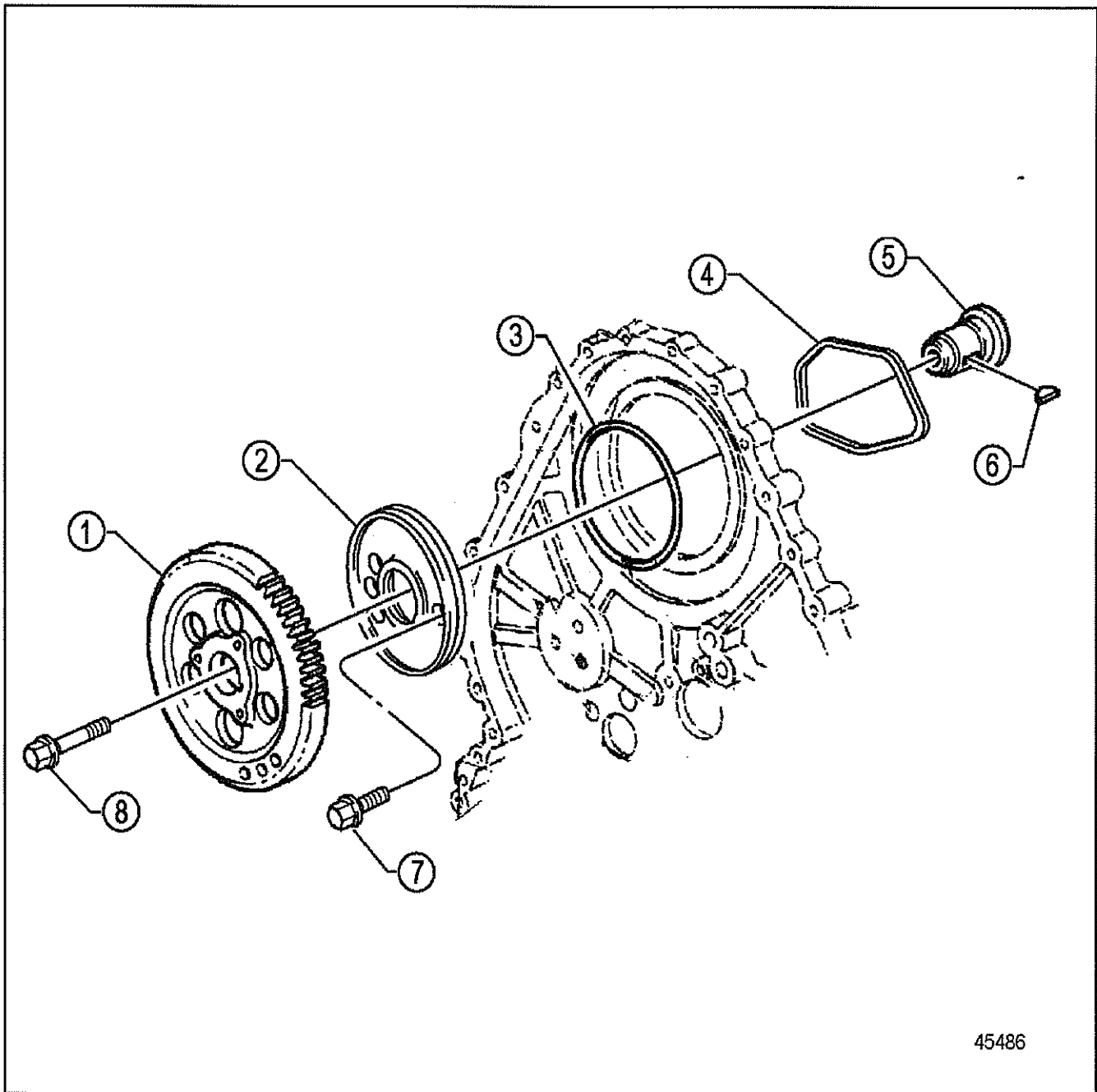
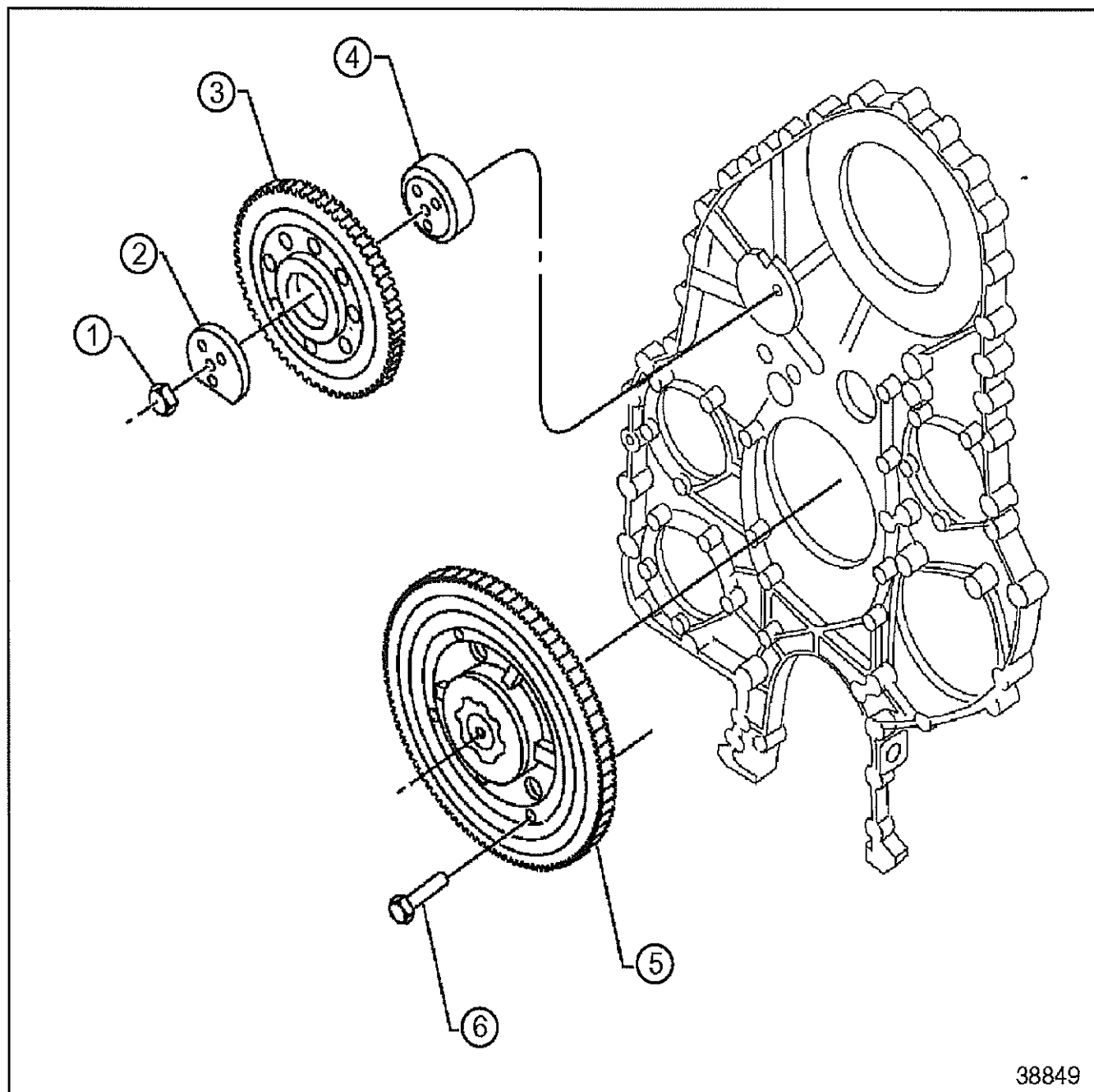


FIG 2 of 01.7

DETROIT DIESEL

SERIES 60



38849

FIG 3 of 01.7

TYPES

01.7 CAMSHAFT AND GEAR TRAIN

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	01.7001	CAMSHAFT ASSY.	
1:18	08920172	DOWEL, CAMSHAFT (1.7200)	1
	23534735	CAMSHAFT DOWEL ASM 44N-122J-84E S60; USE: E23534735	NS
1:26	E23534735	EXCHANGE CAMSHAFT DOWEL ASM 44N-122J-84E S60	1
	01.7037	COVER, CAMSHAFT BEARING CAP	
1:28	11509511	BOLT, M8 X 1.25 X 20 MM	3
1:29	23514716	COVER RR CAMSHF S60	1
	01.7040	BEARING, CAMSHAFT	
		<i>A BEARING SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.</i>	
1:11	08929690	BEARING SET (STD.)	7
	08929691	BEARING SET, .254 MM O.S.	AR
	08929692	BEARING SET, .508 MM O.S.	AR
	08929693	BEARING SET, .762 MM O.S.	AR
	01.7042	CAP, CAMSHAFT BEARING	
	05138638	DOWEL, .626"X.37" HOLLOW (4.1040)	7
		<i>FIG. 1 OF 1.2000.</i>	
1:30	08929739	CAP, CAMSHAFT BEARING, REAR (IDENTIFICATION-NO. 7)	1
1:17	08929740	SEAL, RING .134X.074X.480 I.D.	1
1:9	08929870	CAP, CAMSHAFT BEARING, INTERMEDIATE (1.7042)	4
1:7	08929871	CAP, CAMSHAFT BEARING, CENTER (IDENTIFICATION-NO.)	1
1:10	23522649	CAP, #1 CAMSHAFT BEARING FRT RACE TRACK SEAL	1
1:12	23522975	SEAL, RACETRACK FRT CAMSHAFT CAP	1
	01.7046	BOLT, CAMSHAFT BEARING CAP	
1:1	08929129	BOLT, M12 X 1.75 X 65	7
	01.7070	PLATE, CAM AND BALANCE SHAFT THRUST	
2:7	23531350	BOLT M10 X 1.25 X 30 METRIC 12 POINT HEAD	3
2:2	23534989	PLATE CAM THRUST S60 NON EGR TIER 3 ENGINE	1
	01.7075	SEAL, CAMSHAFT THRUST PLATE	
2:4	23521894	SEAL, CAM THRUST PLATE TO CYL HD 3 BOLT	1
2:3	23528491	SEAL, CAMSHAFT THRUST PLATE PERIMETER	1
	01.7200	GEAR, CAMSHAFT AND BALANCE SHAFT	
2:1	08929379	GEAR 111T	1
	01.7206	HUB, CAMSHAFT GEAR	
2:6	08929810	KEY, NON ROCK (12.9350)	1
2:8	23524882	BOLT, M20 X 1.50 X 100.0	1

TYPES

All information subject to change without notice.

DETROIT DIESEL

SERIES 60

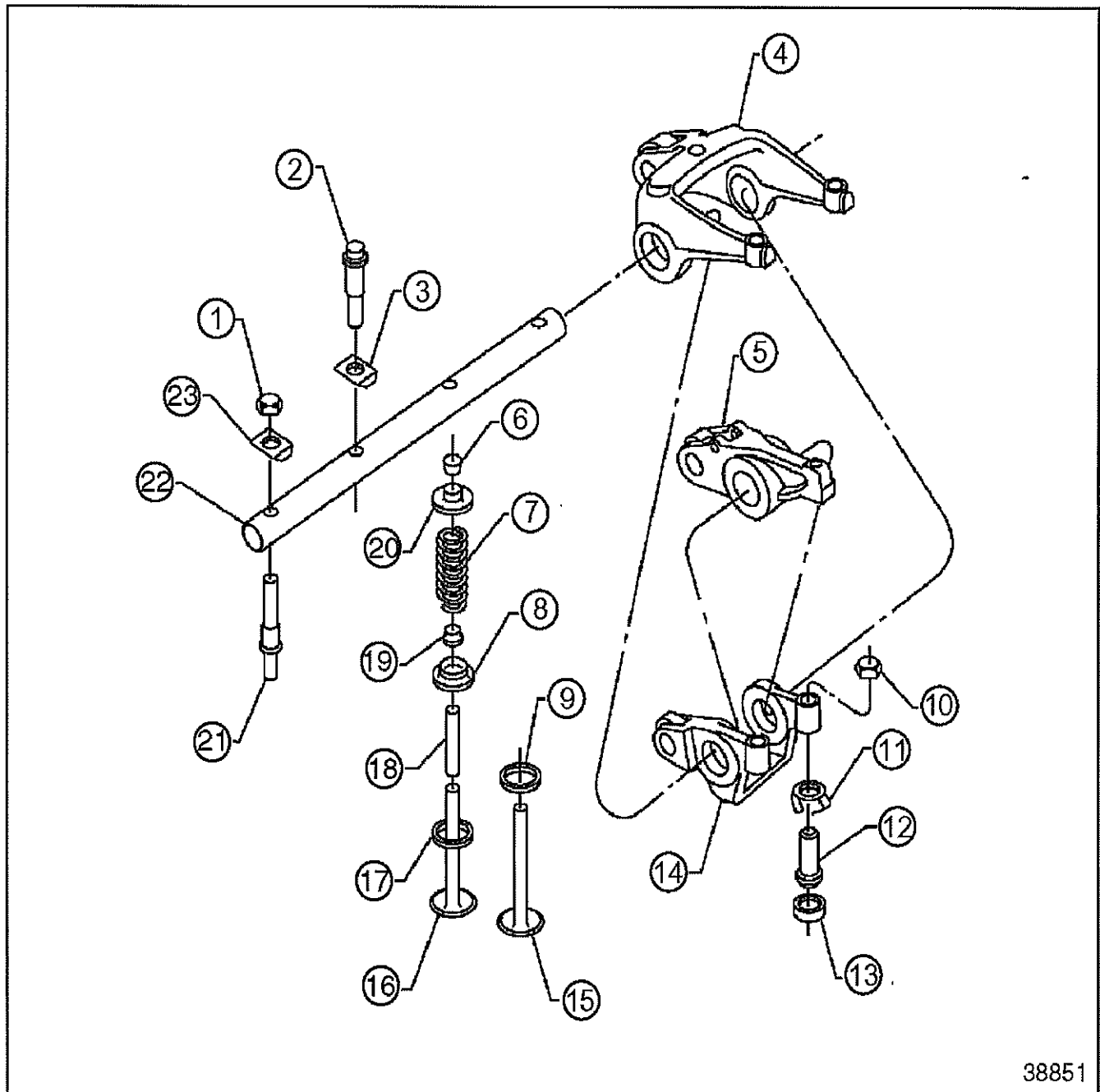
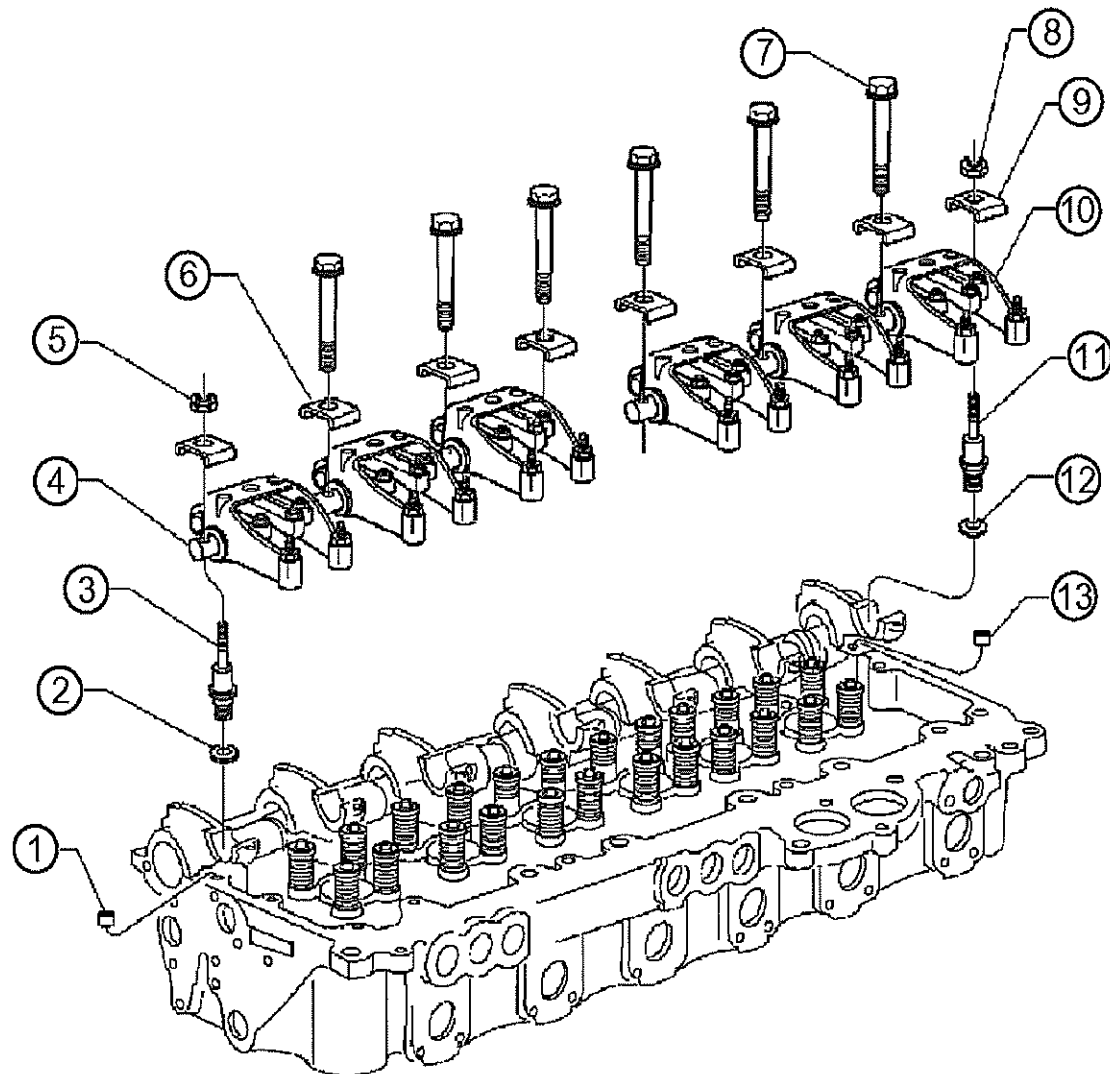


FIG 1 of 01.8

DETROIT DIESEL

SERIES 60



06X03 6029 (1 of 3)

39008

FIG 2 of 01.8

DETROIT DIESEL

SERIES 60

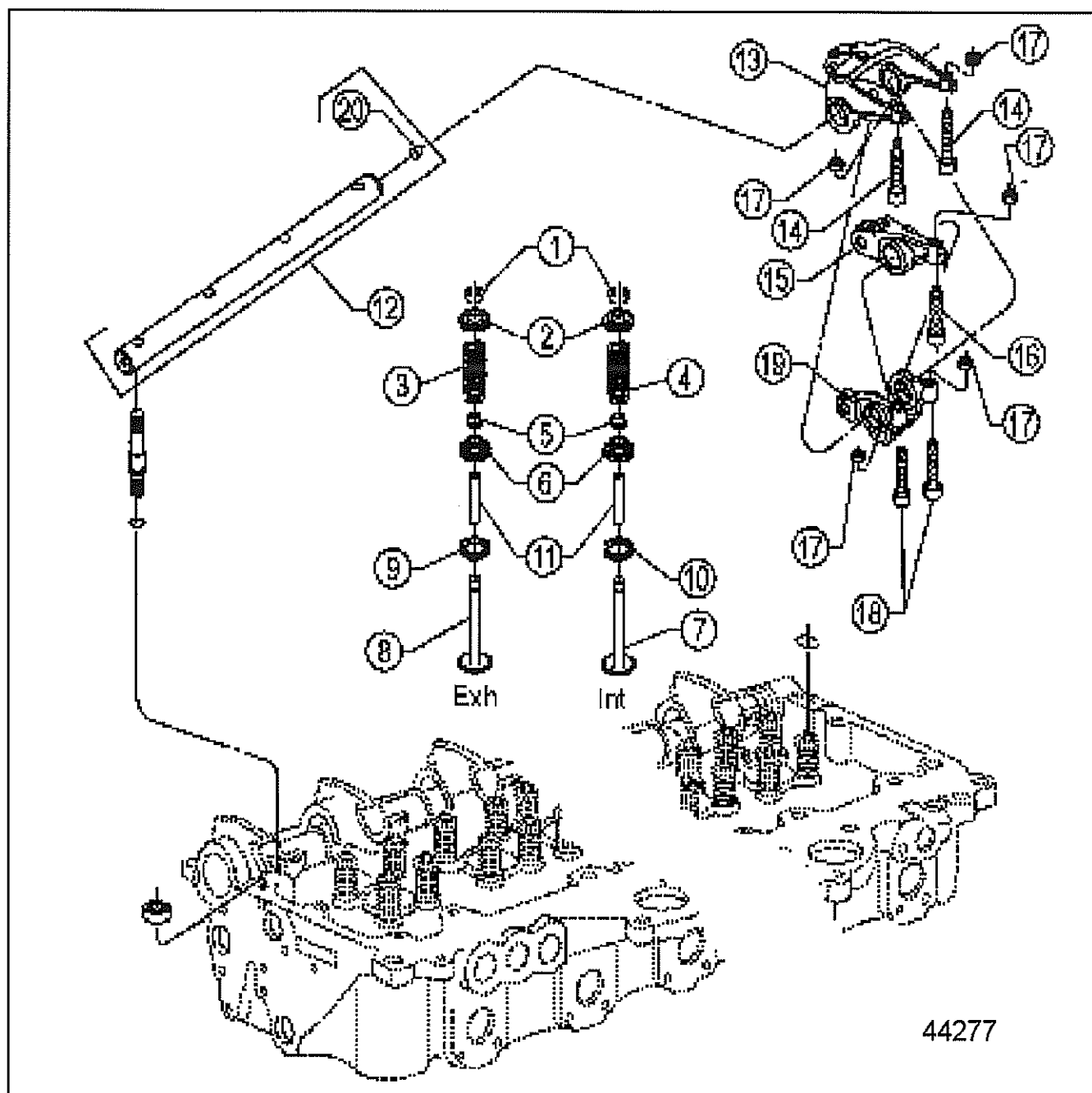
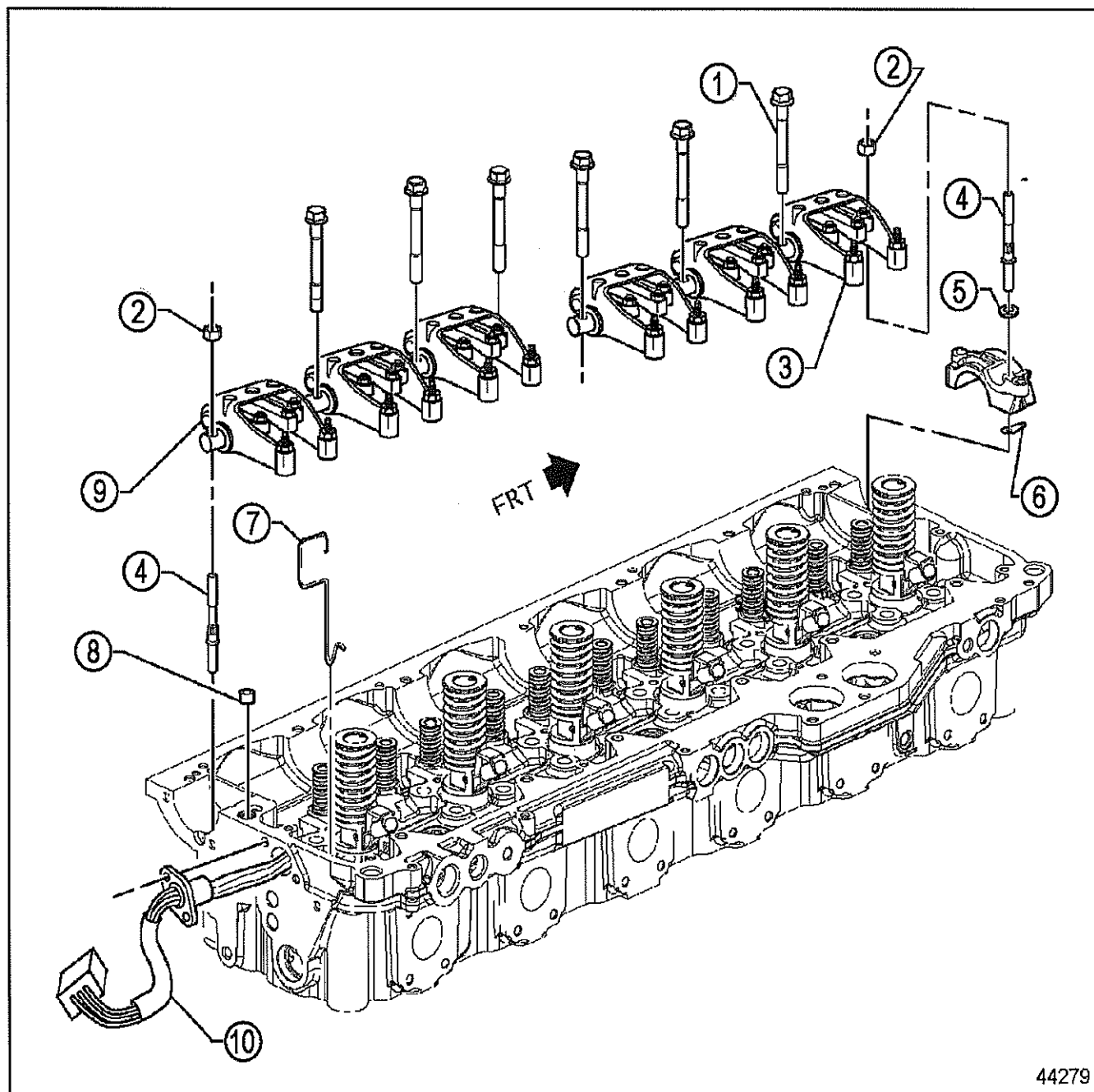


FIG 3 of 01.8

DETROIT DIESEL

SERIES 60



44279

FIG 4 of 01.8

DETROIT DIESEL

SERIES 60

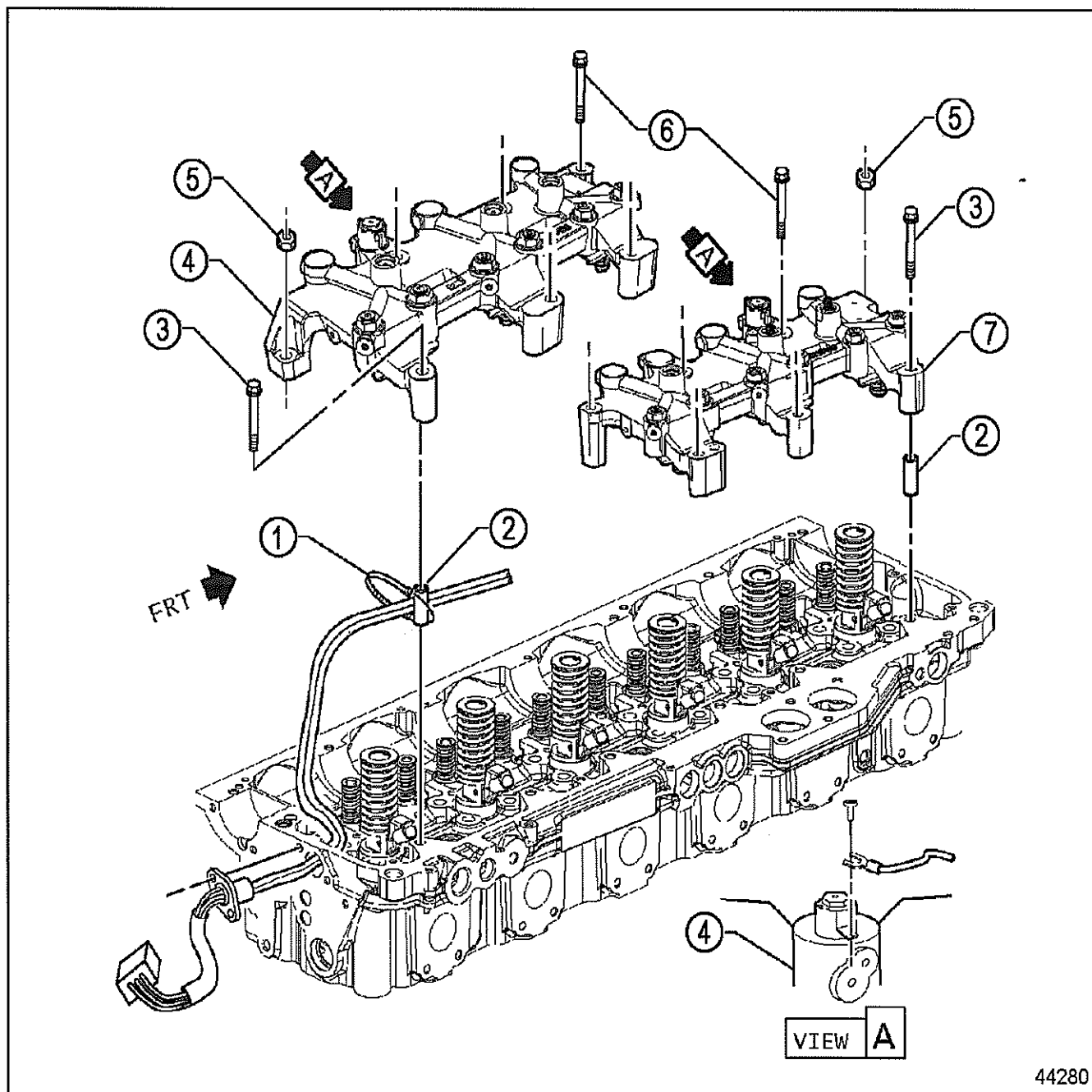
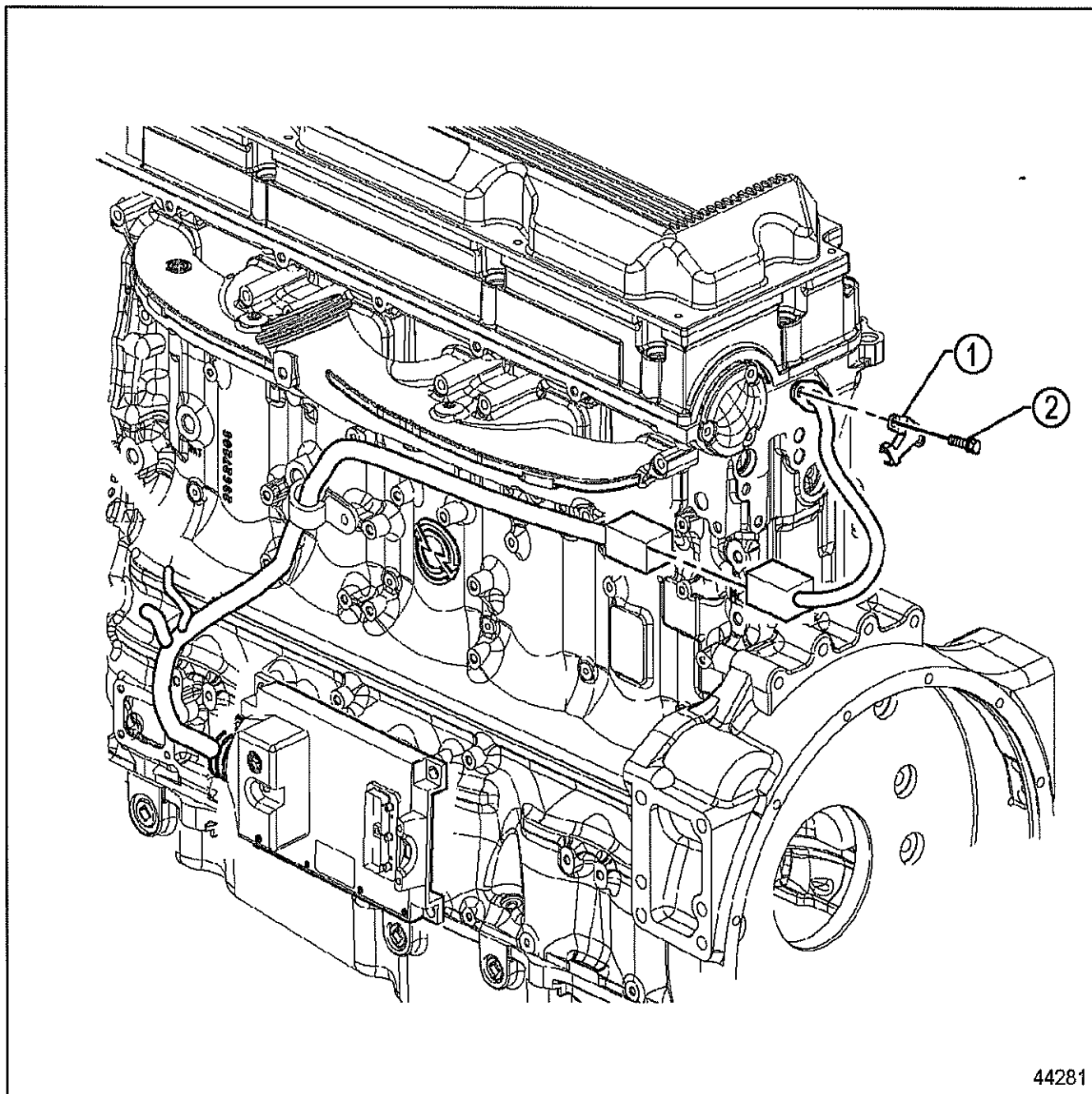


FIG 5 of 01.8

DETROIT DIESEL

SERIES 60



44281

FIG 6 of 01.8

TYPES

		01.8 VALVE AND INJECTOR OPERATING MECHANISM											
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	9	2	2							
	01.8050	HARNESS ASSY., INJECTOR											
6:2	11509511	BOLT, M8 X 1.25 X 20 MM	2										
4:10	23534832	HARNESS ASM WRG EDU TO INJ W/O JAKE TIER 3 C&I S60	1										
	01.8055	ROCKER ARM AND SHAFT ASSY., COMPLETE											
4:3	23532939	RKR ARM/SHFT; USE: E23532939	NS										
	23532938	ARM & RLR ASM EXH RKR W/122J CAMS	NS										
	E23532938	EXHCHANGE ARM & SIN RLR ASM EXH R	3										
	23532937	ARM & RLR ASM INT RKR W/122J CAMS	NS										
	E23532937	EXCHANGE ARM & SIN RLR ASM INT RK	3										
	R23524771	ARM ASSY., INJ ROCKER CERAMIC ROLLER	3										
	23524767	SHAFT ASSY., ROCKER	2										
	23520820	SCREW ASSY., INJECTOR ADJUSTING UNIT	3										
	23520819	SCREW ASSY., EXHAUST VALVE ADJ UNIT	NS										
	23534149	SCREW ASM VLV ADJ EXH UNITIZED S50/60	6										
	23520818	SCREW ASSY., INTAKE VALVE ADJUSTING U	6										
	23514371	NUT, 3/8"-24 HEX JAM	15										
4:9	23532940	RKR ARM/SHFT; USE: E23532940	NS										
	23532938	ARM & RLR ASM EXH RKR W/122J CAMS	NS										
	E23532938	EXHCHANGE ARM & SIN RLR ASM EXH R	3										
	23532937	ARM & RLR ASM INT RKR W/122J CAMS	NS										
	E23532937	EXCHANGE ARM & SIN RLR ASM INT RK	3										
	R23524771	ARM ASSY., INJ ROCKER CERAMIC ROLLER	3										
	23524767	SHAFT ASSY., ROCKER	2										
	23520820	SCREW ASSY., INJECTOR ADJUSTING UNIT	3										
	23520819	SCREW ASSY., EXHAUST VALVE ADJ UNIT	NS										
	23534149	SCREW ASM VLV ADJ EXH UNITIZED S50/60	6										
	23520818	SCREW ASSY., INTAKE VALVE ADJUSTING U	6										
	23514371	NUT, 3/8"-24 HEX JAM	15										
4:3	E23532939	EXCHANGE RKR ARM & SHAFT ASM FRT SIN INT/EXH/INJ F	1										
4:9	E23532940	EXCHANGE RKR ARM & SHAFT ASM RR SIN INT/EXH/INJ RR	1										
	01.8160	SHAFT ASSY., ROCKER											
4:8	08929740	SEAL, RING .134X.074X.480 I.D.	1										
4:2	23500708	NUT, M12 X 1.75	2										
4:5	23521111	SEAL	2										
4:6	23522975	SEAL, RACETRACK FRT CAMSHAFT CAP	1										
4:1	23525734	BOLT, M12 1.75 X 100MM L	6										
4:4	23526221	STUD, M12 1.75 X 136 L; USE: 23529351	NS										
4:4	23529351	KIT, STUD & SEAL ASSY.	2										
	01.8310	VALVE, EXHAUST											
3:8	23529596	VALVE, EXHAUST 4VLV NICKEL-BASED	12										
	01.8315	VALVE, INTAKE											
3:7	23529629	VALVE, INTAKE (EMS-296)	12										
	01.8320	GUIDE, INTAKE/EXHAUST VALVE											
3:5	23523930	SEAL EXH VALVE STEM (4 VLV)	24										

				TYPES									
01.8 VALVE AND INJECTOR OPERATING MECHANISM				9									
FIG	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	2									
REF.				2									
01.8320		GUIDE, INTAKE/EXHAUST VALVE											
3:11	23533552	GUIDE VALVE POWDERED METAL SERVICE	24										
01.8330		INSERT, INTAKE/EXHAUST VALVE (SEAT)											
3:9	08929126	INSERT, (EXHAUST) (STD) (6.261MM-6.363MM)	12										
3:10	08929127	INSERT, (INTAKE) (STD) (7.155MM-7.257MM)	12										
	08929625	INSERT, (INTAKE) (.010" U.S.) (6.901MM-7.003MM)	AR										
	08929626	INSERT, (INTAKE) (.020" U.S.) (6.647MM-6.749MM)	AR										
	08929627	INSERT, (INTAKE) (.030" U.S.) (6.393MM-6.495MM)	AR										
	08929628	INSERT, (EXHAUST) (.010" U.S.) (6.007MM-6.109MM)	AR										
	08929629	INSERT, (EXHAUST) (.020" U.S.) (5.753MM-5.855MM)	AR										
	08929630	INSERT, (EXHAUST) (.030 U.S.) (5.499MM-5.601MM)	AR										
01.8340		SPRING, INTAKE/EXHAUST VALVE											
3:3	08929415	SPRING COMP; USE: 23535296	NS										
	23535296	SPRING VALVE EXH & INT S60	24										
01.8360		SEAT, INTAKE/EXHAUST VALVE SPRING											
3:6	08929076	SEAT (2.2MM-2.4MM)	24										
	08929634	SEAT (2.45MM-2.65MM)	AR										
	08929635	SEAT (2.70MM-2.90MM)	AR										
	08929636	SEAT (2.95MM-3.15MM)	AR										
01.8365		ROTATOR, VALVE											
3:2	08929105	ROTATOR	24										
01.8370		LOCK, INTAKE/EXHAUST VALVE SPRING											
3:1	08929573	LOCK, KEY EXHAUST VALVE SPRING	48										

DETROIT DIESEL

SERIES 60

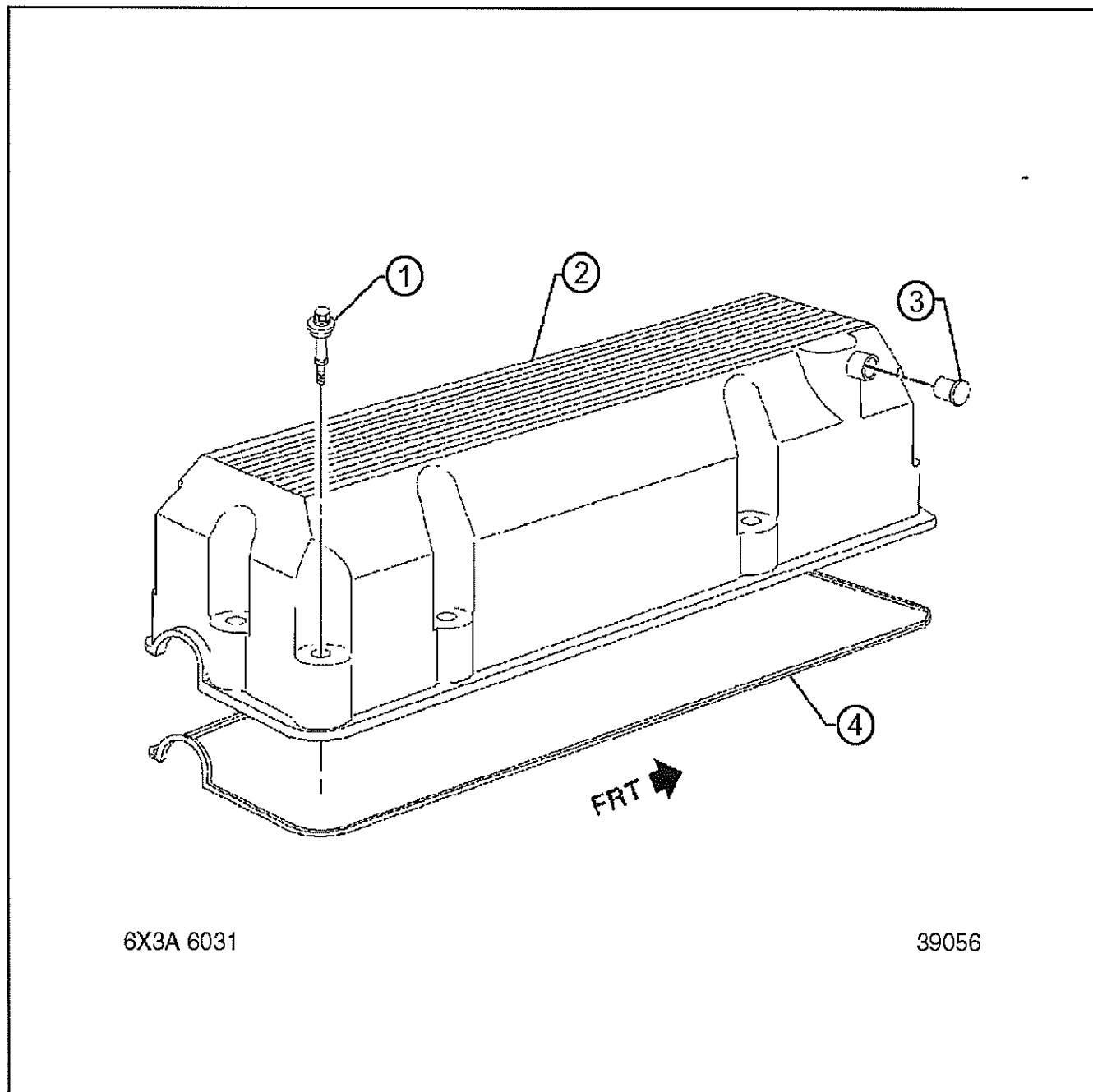


FIG 1 of 01.8A

DETROIT DIESEL

SERIES 60

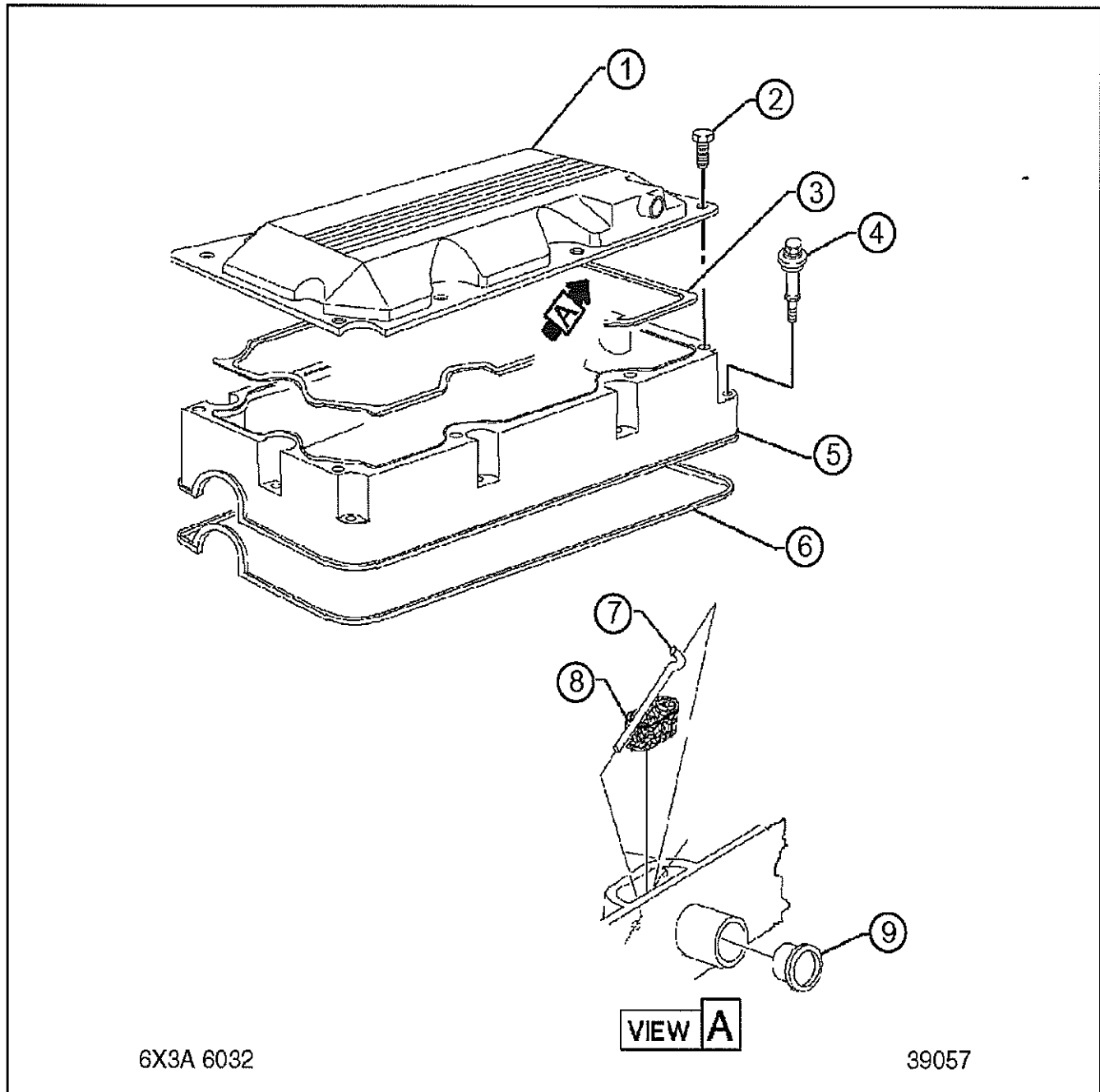


FIG 2 of 01.8A

TYPES

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- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

DETROIT DIESEL

SERIES 60

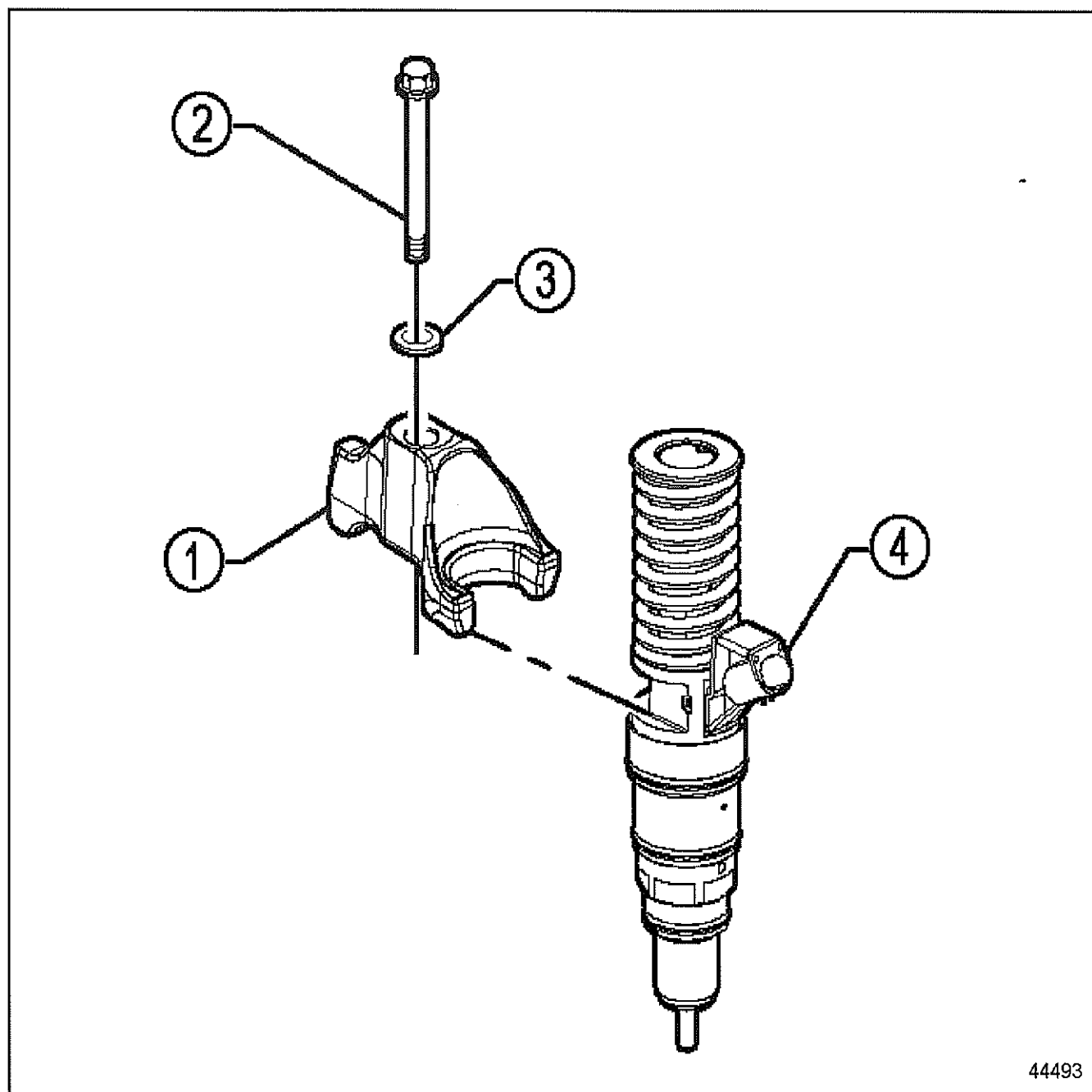


FIG 1 of 02.1A

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	TYPES									
				5									
		02.1A FUEL INJECTOR/CNG CONTROLS		4									
				7									
	02.1A001	INJECTOR ASSY.											
	E414703005	EXCHG INJECTOR N3 6 HOLE 146 DEG 1100 FLOW TIP S60		6									
1:4	R414703005	REMAN INJECTOR N3 6 HOLE 146 DEG 1100 FLOW TIP S60; USE: E414703005		NS									
	02.1A270	CLAMP, INJECTOR											
1:3	08929021	WASHER; USE: 23535699		NS									
1:2	08929393	BOLT, M10 X 1.5 X 70.0 (12.9001)		6									
1:1	23533151	CLAMP N3 INJ ELEC		6									
	23535699	WASHER INJ CLAMP BOLT CARBURIZED S60		6									

DETROIT DIESEL

SERIES 60

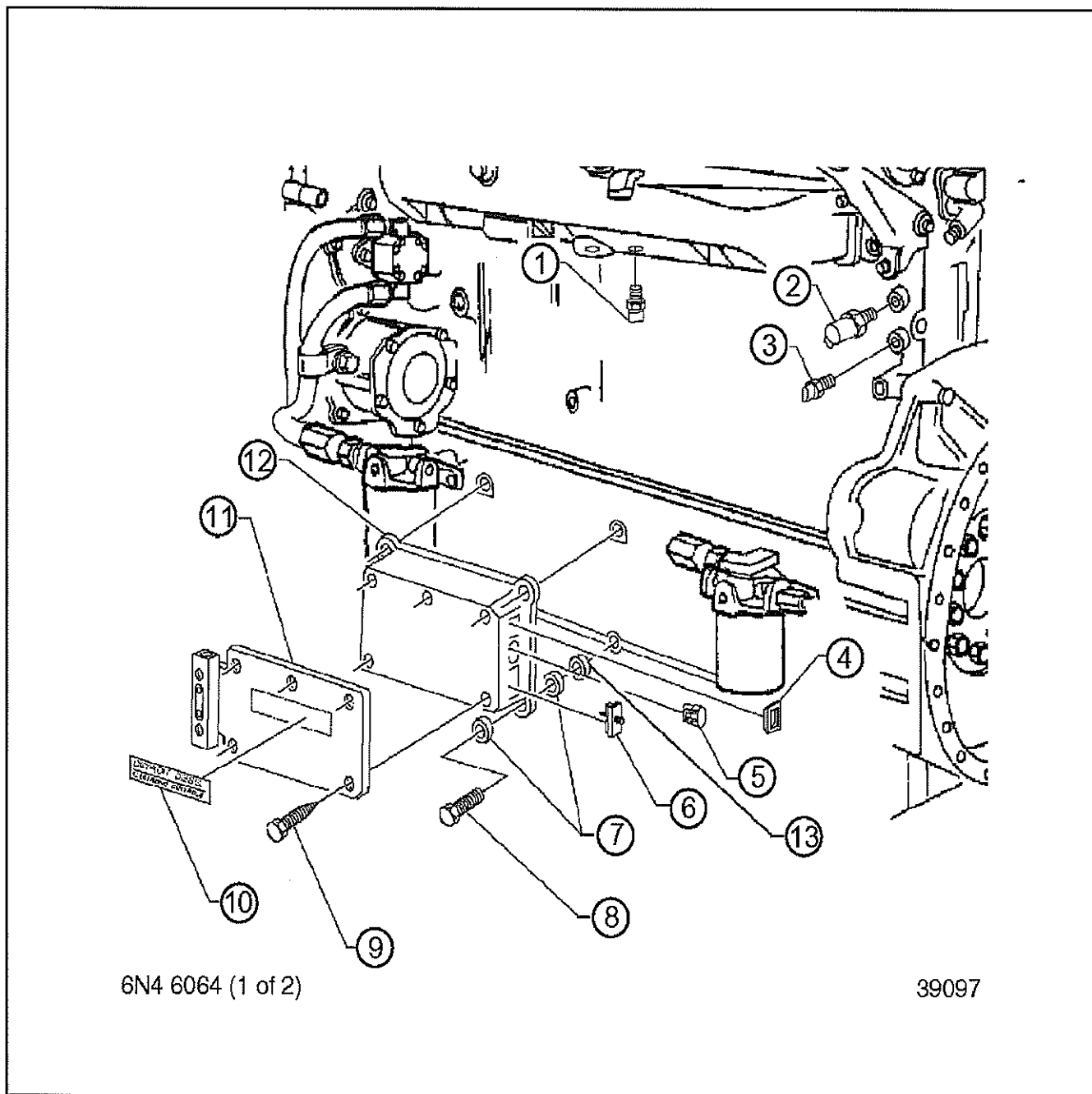


FIG 1 of 02.1B

DETROIT DIESEL

SERIES 60

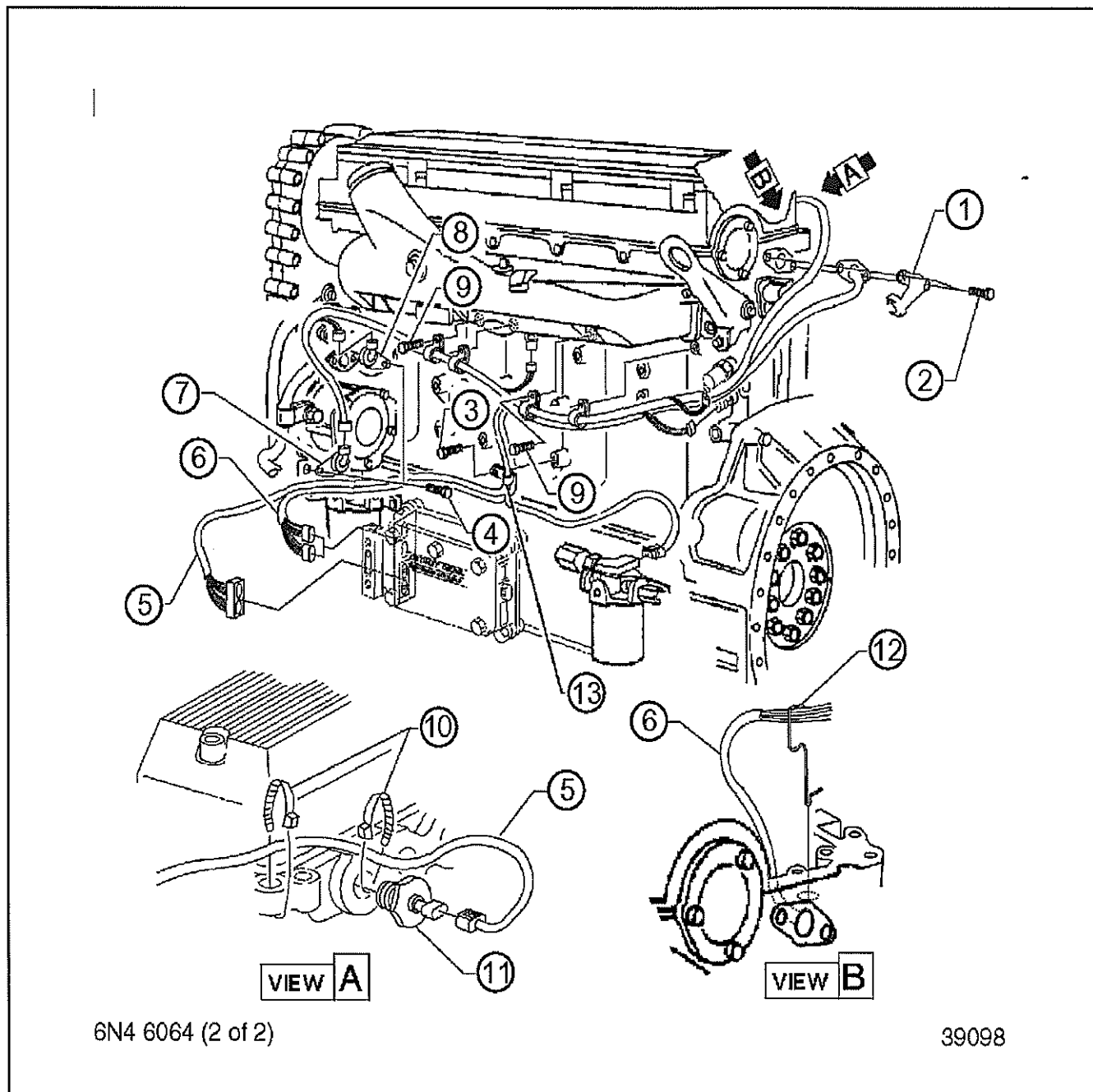


FIG 2 of 02.1B

DETROIT DIESEL

SERIES 60

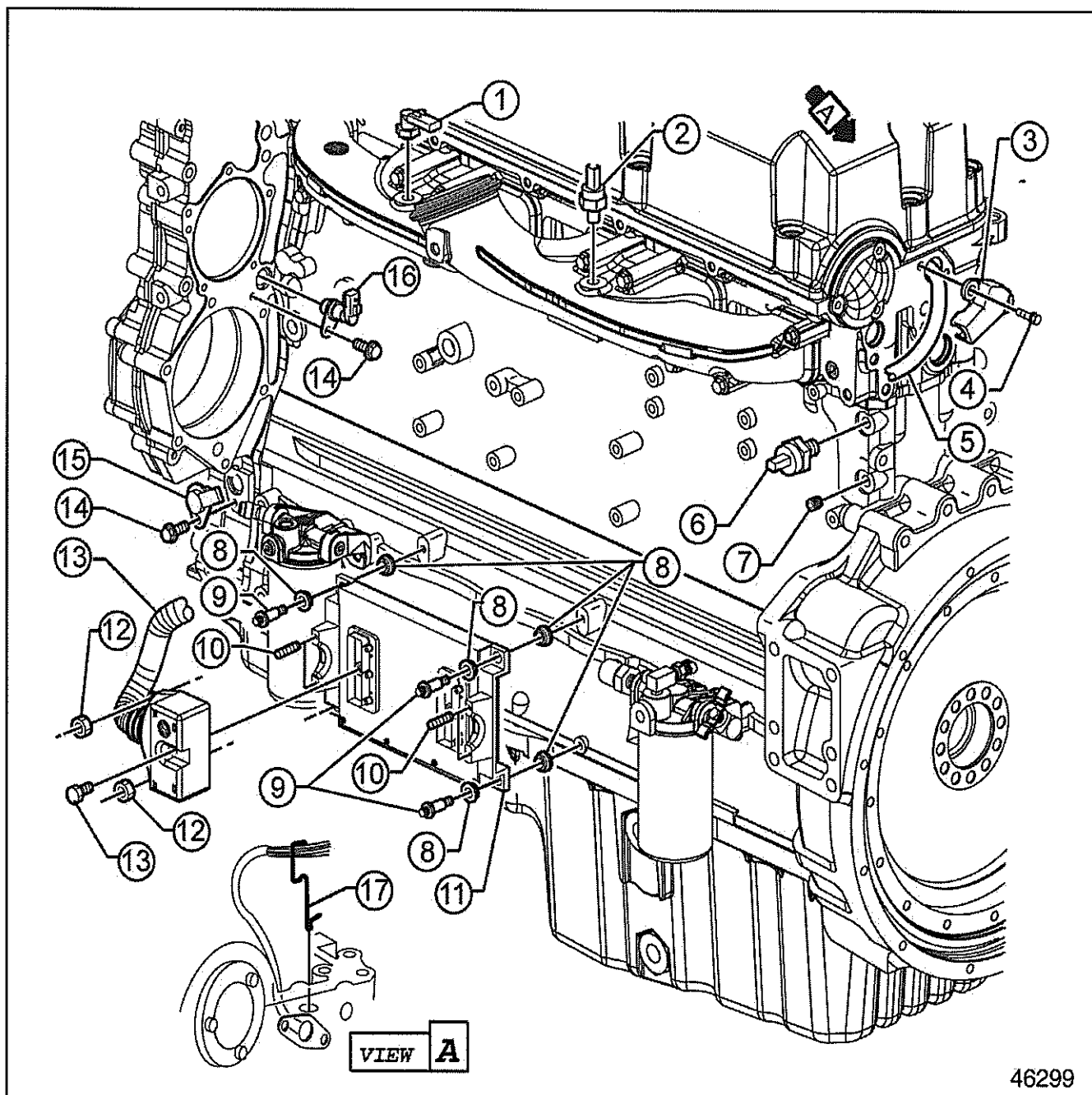


FIG 3 of 02.1B

DETROIT DIESEL

SERIES 60

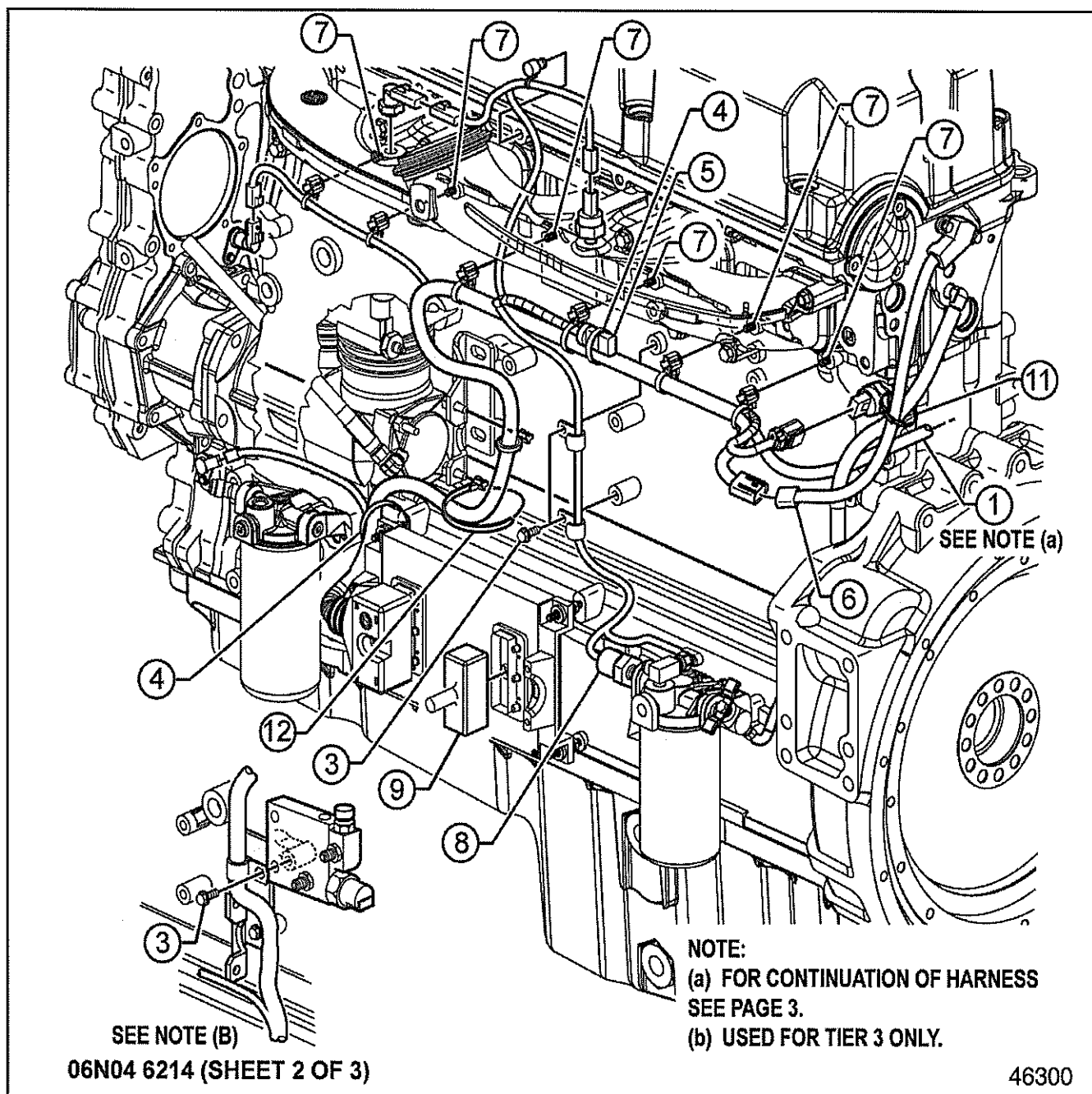


FIG 4 of 02.1B

DETROIT DIESEL

SERIES 60

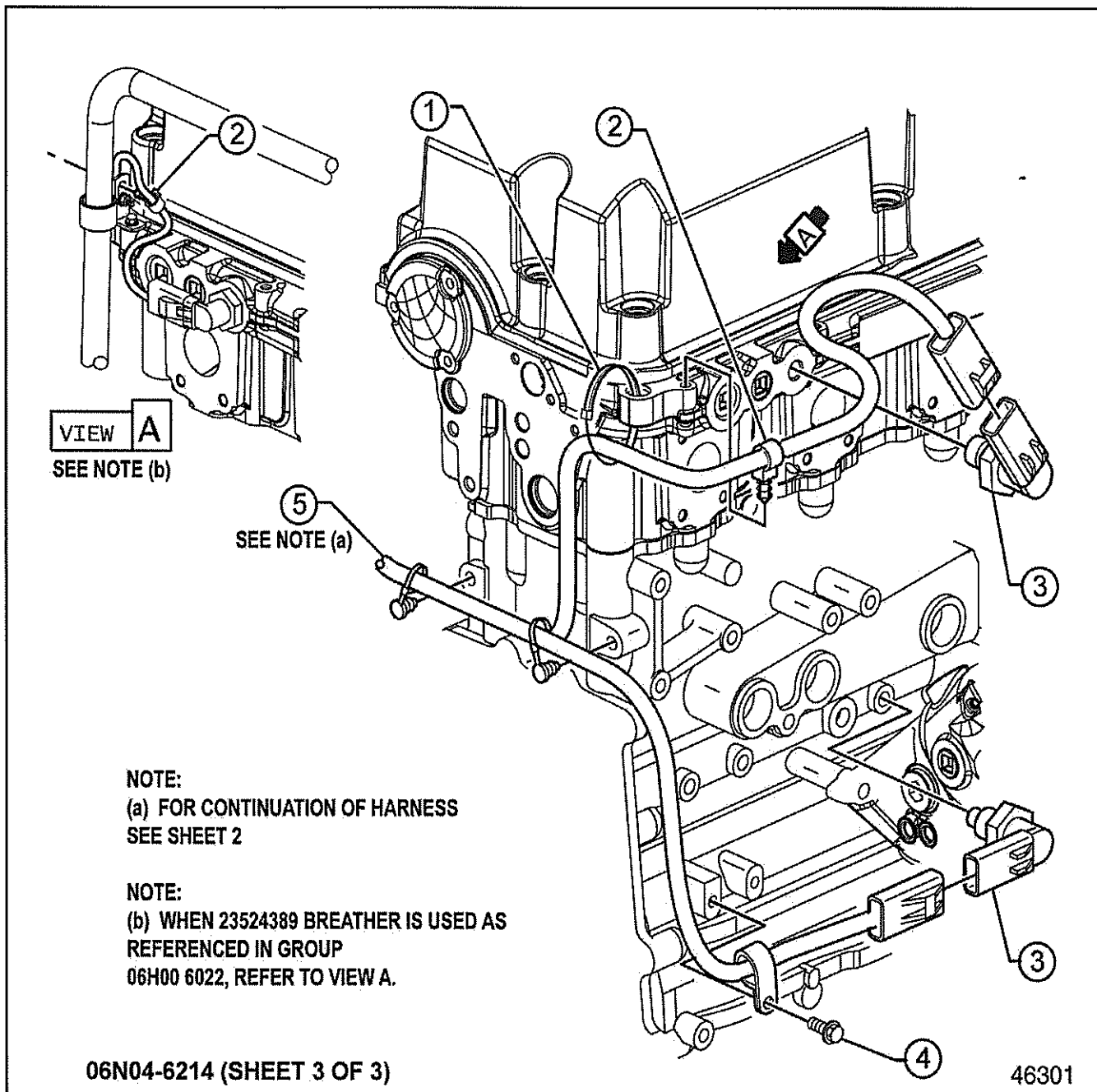


FIG 5 of 02.1B

		TYPES										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.									
				1	0	3	0					
	02.1B501	MODULE ASSY., ELECTRONIC CONTROL (ECM)										
3:8	23512307	ISOLATOR, ECM MOUNT	8									
3:9	23512309	BOLT M8 1.25 SHOULDER 12 PT HD	4									
	23530802	MODULE, ELEC CONTROL DDEC V; USE: R23533741	NS									
3:10	23533606	STUD M6 1.0 X 25	4									
3:11	R23533741	KIT, DDEC V ECM W/STUDS & LOCKNUTS	1									
	02.1B600	SENSOR, OIL OR FUEL PRESSURE										
3:7	08922327	PLUG, 1/4" NPTF (12.9550)	1									
3:6	23527828	SENSOR, OIL PRESSURE	1									
	02.1B630	SENSOR, OIL, FUEL OR COOLANT TEMPERATURE										
5:3	23527830	SENSOR, COOLANT,OIL,FUEL	2									
	02.1B640	SENSOR, TRS AND SRS										
3:14	11504986	BOLT, M8 X 1.25 X 14 MM	2									
3:15	23527339	SENSOR, (TIMING REF)	1									
3:16	23535042	SENSOR SRS DDEC V TIER 3 S60	1									
	02.1B647	SENSOR, AIR TEMPERATURE										
3:1	23527831	SENSOR, INTAKE AIR	1									
	02.1B650	SENSOR/KIT , AIR PRESSURE/TURBO BOOST										
4:5	23527673	SENSOR, BAROMETRIC PRESSURE	1									
3:2	23527829	SENSOR, TURBO BOOST	1									
	23533305	BOLT, M5 X .8 X 20 MM	2									
	02.1B702	COVER, INJECTOR HARNESS										
3:3	08929508	COVER	1									
3:4	11509511	BOLT, M8 X 1.25 X 20 MM	2									
	02.1B704	HARNESS, ENGINE SENSORS TO ECM										
4:7	000835008061	STUD, M8 X 20	6									
4:4	05101020	STRAP, NYLON (2.5255)	9									
	05146788	CLIP, 5/8" HOSE (2.5070)	1									
3:17	08929534	CLIP	1									
4:3	11503454	BOLT, M10 X 1.5 X 20.0	4									
	11504986	BOLT, M8 X 1.25 X 14 MM	4									
5:2	23504750	STRAP, TIE NYLON 11.60"-11.70" LG.	1									
3:12	23533607	NUT M6 X 1.0 SHROUD NYLOCK	2									
3:13	23534837	HARNESS ASM ENG SENSOR DDEC V TIER 3 S60 GEN SET	1									

DETROIT DIESEL

SERIES 60

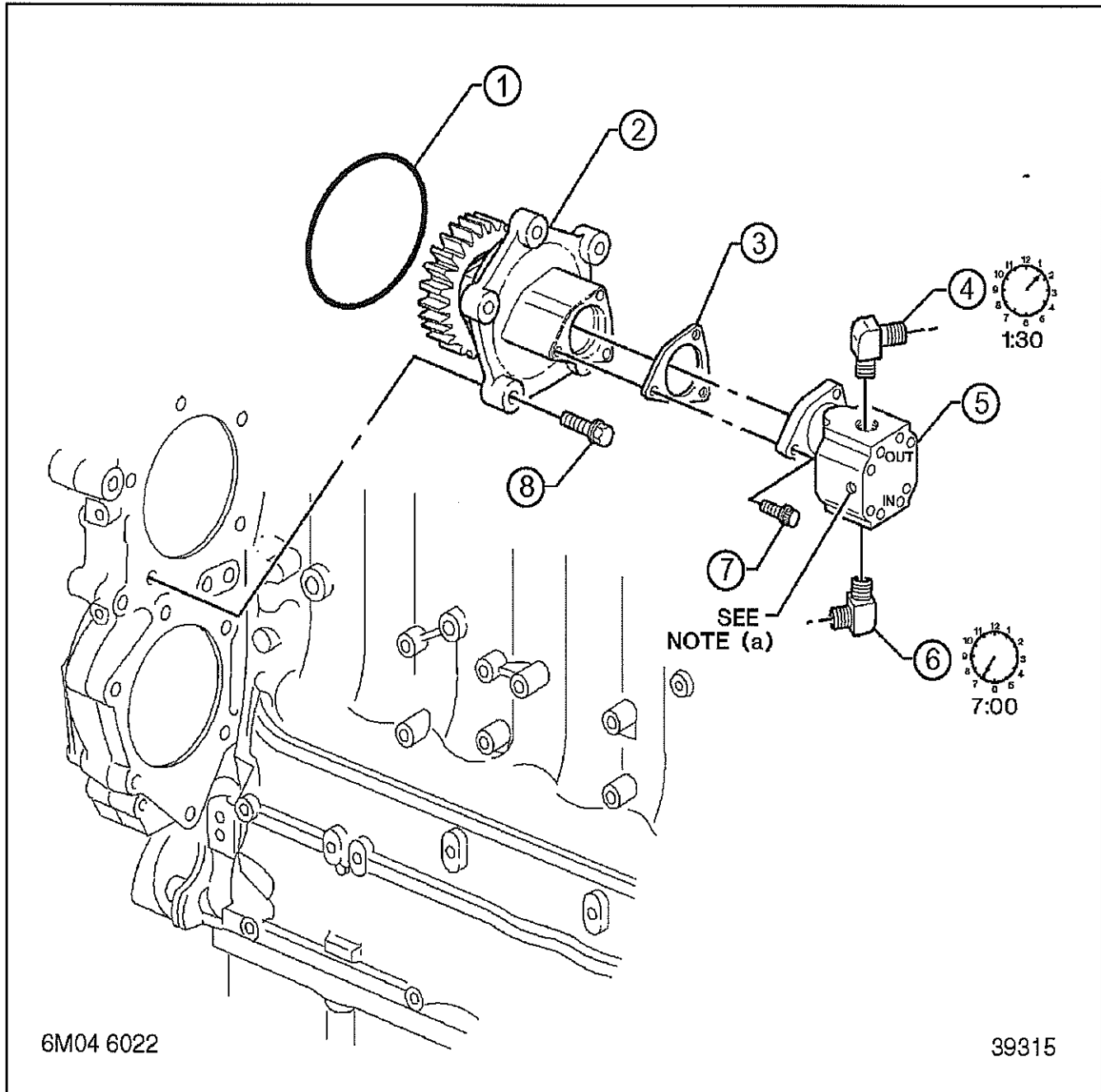


FIG 1 of 02.2

DETROIT DIESEL

SERIES 60

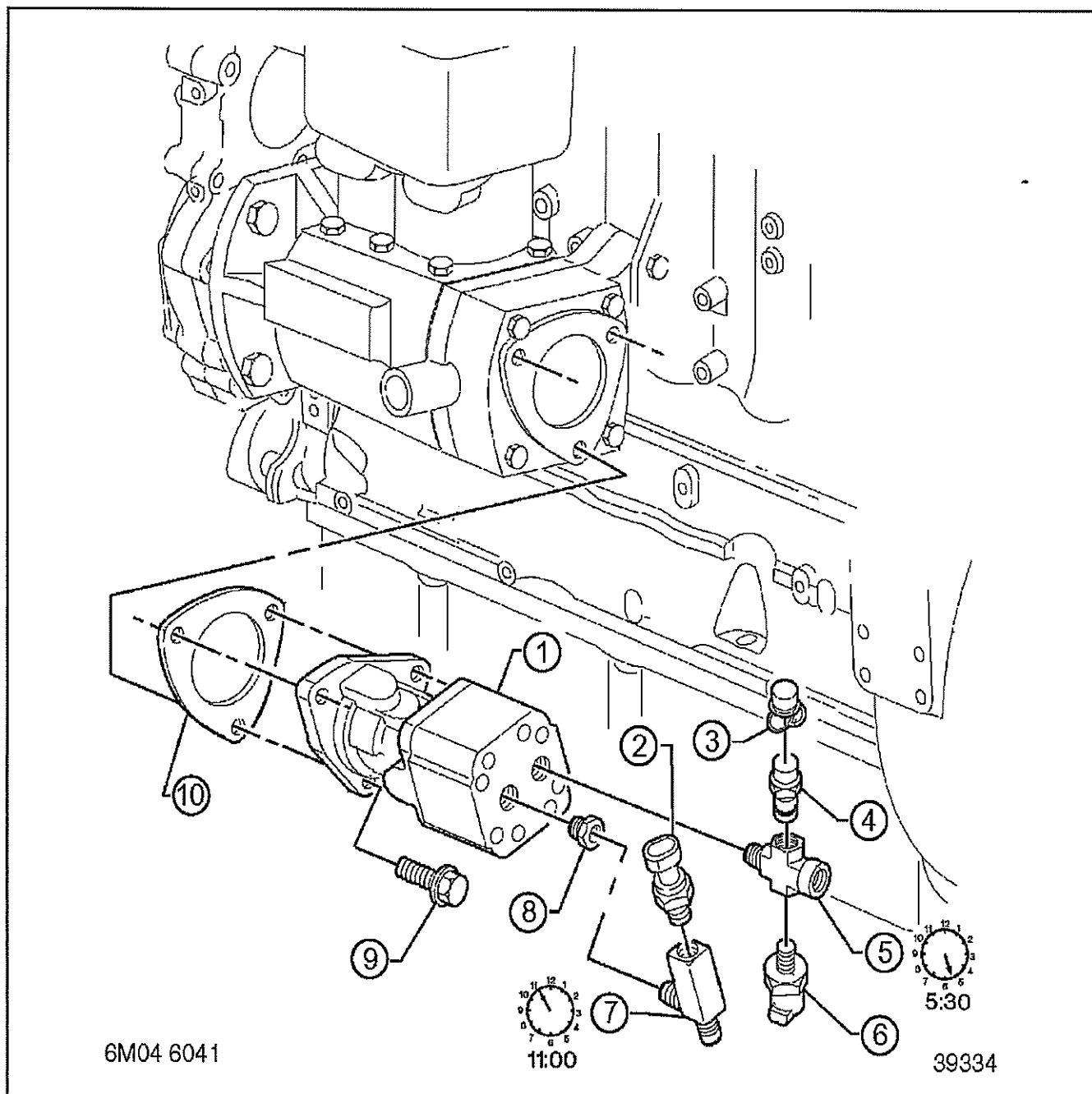


FIG 2 of 02.2

				TYPES									
02.2 FUEL PUMP					3								
					3								
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.		4								
02.2001 PUMP ASSY., FUEL													
1:6	08924150	ELBOW, 1/2"-90 DEG. FL. TUBE; 3/8" PIPE (12.9390)	1										
1:4	08929832	ELBOW, 90 DEG. 3/8 INV FLD TUBE 3/8 PIPE (12.9480)	1										
1:7	23506222	BOLT, M8 X 1.25 X 20 12 PT.	3										
	23523754	PUMP, FUEL ASSY. (RH); USE: R23523754	NS										
	23525945	STATOR, (VIP) BARNES FUEL PUMP	1										
	23500694	PIN, ALIGNMENT	2										
	23506551	SCREW	8										
	23506552	PLUG 3/8-18 PLASTIC F/PUMP BARNES S60	2										
	23506561	PLUG	1										
	23511957	COVER, FUEL PUMP	1										
	08923535	PLUG 1/8-27 PLSTC SHPG BARNES F/PMP	1										
	23506547	GASKET, GOLD	1										
	23506548	GASKET, SILVER	1										
	23516117	GASKET, BLUE	1										
	23516118	GASKET, AMBER	1										
	23523802	BEARING, BALL BARNES FUEL PUMP	NS										
	08923526	BEARING, FUEL PUMP	4										
	23512243	SEAL, OIL SGL LIP	1										
	23523535	SEAL, OIL BARNES FUEL PUMP	1										
	23525982	RING, CRESCENT BARNES FUEL PUMP	1										
	23511959	GEAR (.275)	2										
	23511963	KEY, FUEL PUMP DRV. GEAR	1										
	08923522	RING, GEAR RETAINING	4										
	08923521	PIN, DRIVEN GEAR	1										
	23511960	SHAFT, IDLER	1										
	23525943	SHAFT, DRIVE (VIP) BARNES FUEL PUMP	1										
	23506560	SPACER, RELIEF VALVE	2										
	23506564	PIN, SHEAR RELIEF VALVE	1										
	23520879	SPACER	1										
	08923528	VALVE, FUEL PUMP	1										
	23506557	SPRING, RELIEF VALVE	1										
	23506555	CAP, RELIEF VALVE	1										
	23532978	BEARING BALLS IKS FUEL PUMP	1										
1:5	R23523754	PUMP ASSY, FUEL, (RH) S60 REMAN	1										
02.2007 GASKET, FUEL PUMP TO ENGINE OR DRIVE ASSEMBLY													
1:3	05150193	GASKET (FUEL PUMP TO DRIVE ASSY.) (5.1010)	1										
02.2240 DRIVE ASSY., FUEL PUMP													
1:1	08929253	SEAL, RING .139" X 4.609" I.D. (2.2280)	1										
1:8	11504822	BOLT, M8 X 1.25 X 30	5										
1:2	23523751	DRIVE ASSY., FUEL PUMP DL-ROW BALL BRG	1										
	23523748	BEARING, FUEL PUMP DRIVE	1										
	23523753	SPACER FUEL PUMP DRIVE	1										
	08929786	GEAR, 15.875 MM I.D.	1										
	23519986	NUT M14 X 2.0-6H	1										
	23523752	SPROCKET, FUEL PUMP DRIVE	1										
	09411502	RING, RETAINING (2.7470)	1										
	23523749	SHAFT, FUEL PUMP DRIVE	1										
	23523750	ADAPTOR, FUEL PUMP DRIVE	1										

02.2 FUEL PUMP

TYPES

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

02.2240

23523755

DRIVE ASSY., FUEL PUMP

BOLT, M6 1.00 X 30.0"

3

3
3
4

				TYPES									
02.3A FUEL FILTER AND STRAINER				1									
				1									
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.	5									
REF.			QTY.	3									
02.3A320		ELEMENT, FUEL FILTER											
	23530707	FILTER, ELEMENT SPIN ON FUEL SECONDARY		1									
02.3A390		COVER, FUEL FILTER											
	08924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)		1									
	11505299	BOLT, M10 X 1.5 X 30.0 MM		2									
	23505247	TEE, 90 DEG 5/8" TUBE 2 WAY 1/4" PIPE (12.9616)		1									
	23527830	SENSOR, COOLANT,OIL,FUEL		1									
	23533676	COVER FILTER SECONDARY		1									

TYPES

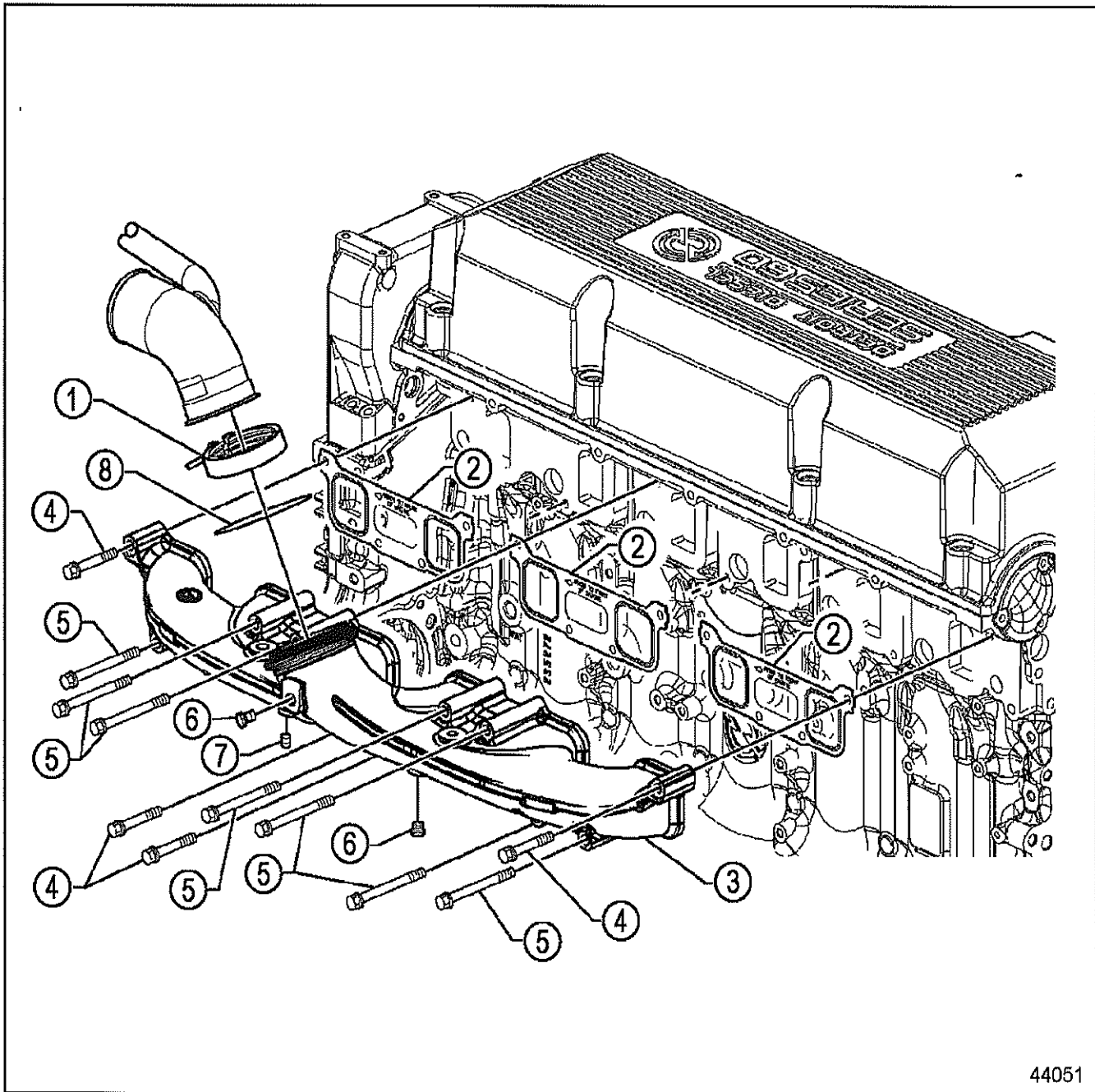
02.5A FUEL LINES AND FUEL COOLER

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	2	5	6	1													
	02.5A100	TUBE, FUEL PUMP TO FILTER																		
	BAHH0356	HOSE ASSY., #6 X 37.9 H&H		1																
	02.5A120	CLIP, FUEL PUMP TO FILTER HOSE																		
	02362448	CLIP .688" DIA 3/8" BOLT CTD (12.8554)		1																
	05101020	STRAP, NYLON (2.5255)		1																
	02.5A160	HOSE, FILTER TO CYLINDER HEAD																		
	08929832	ELBOW, 90 DEG. 3/8 INV FLD TUBE 3/8 PIPE (12.9480)		1																
	BAHP0213	HOSE ASSY., #6 X 23.7" H&P		1																
	02.5A180	CLIP, CYLINDER HEAD INLET																		
	02362448	CLIP .688" DIA 3/8" BOLT CTD (12.8554)		1																
	11504986	BOLT, M8 X 1.25 X 14 MM		1																
	02.5A209	VALVE, FUEL DRAIN CHECK																		
	08929725	ELBOW, .80" RESTRICTION, 3/8" PIPE X5/16" (2.5210)		1																
	23516918	VALVE CHK FUEL 3/8 NPTF MALE		1																
	02.5A260	VALVE, FUEL SYSTEM SHUTOFF																		
	23526109	VALVE ASSY., FUEL SHUTOFF 90DEG BALL VALVE		1																

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

DETROIT DIESEL

SERIES 60



44051

FIG 1 of 03.3C

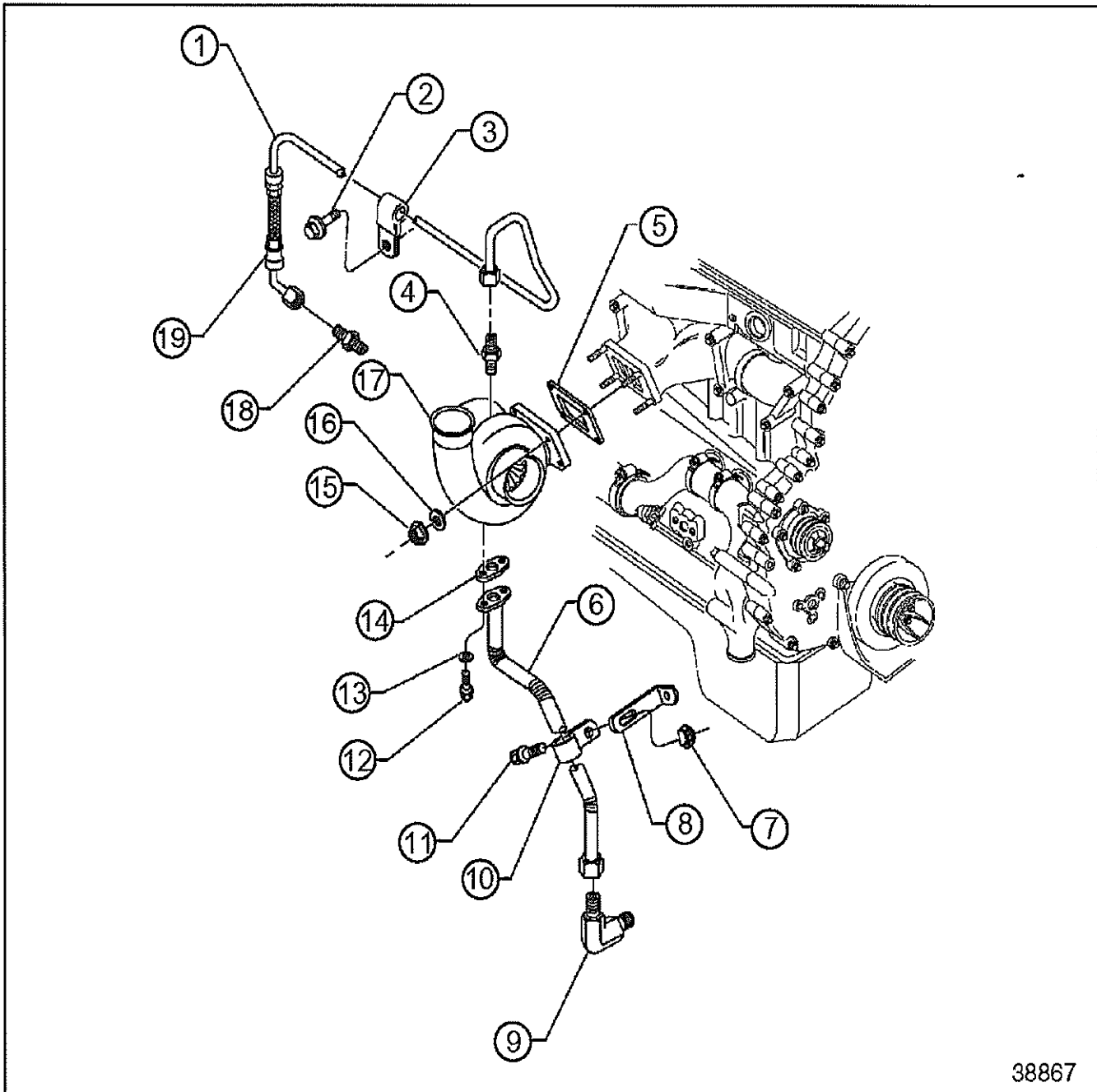
03.3C AIR INTAKE MANIFOLD

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	03.3C801	AIR INTAKE MANIFOLD	
1:1	05137618	CLAMP (MARMAN) (6.1001)	1
1:6	08923847	PLUG, PIPE 1/4-18" NPTF	1
1:5	11509525	BOLT, M10 X 1.5 X 110 MM	8
1:4	11509799	BOLT, M10 X 1.5 X 70 MM	4
1:3	23534168	MANIFOLD INTAKE VERTICAL W/MAS BOSSES	1
	23535043	ADAPTOR AIR INLET 225.25 LG	1
	03.3C803	GASKET, AIR INTAKE MANIFOLD	
1:2	23531110	GASKET INTAKE MANIFOLD S60	3

DETROIT DIESEL

SERIES 60

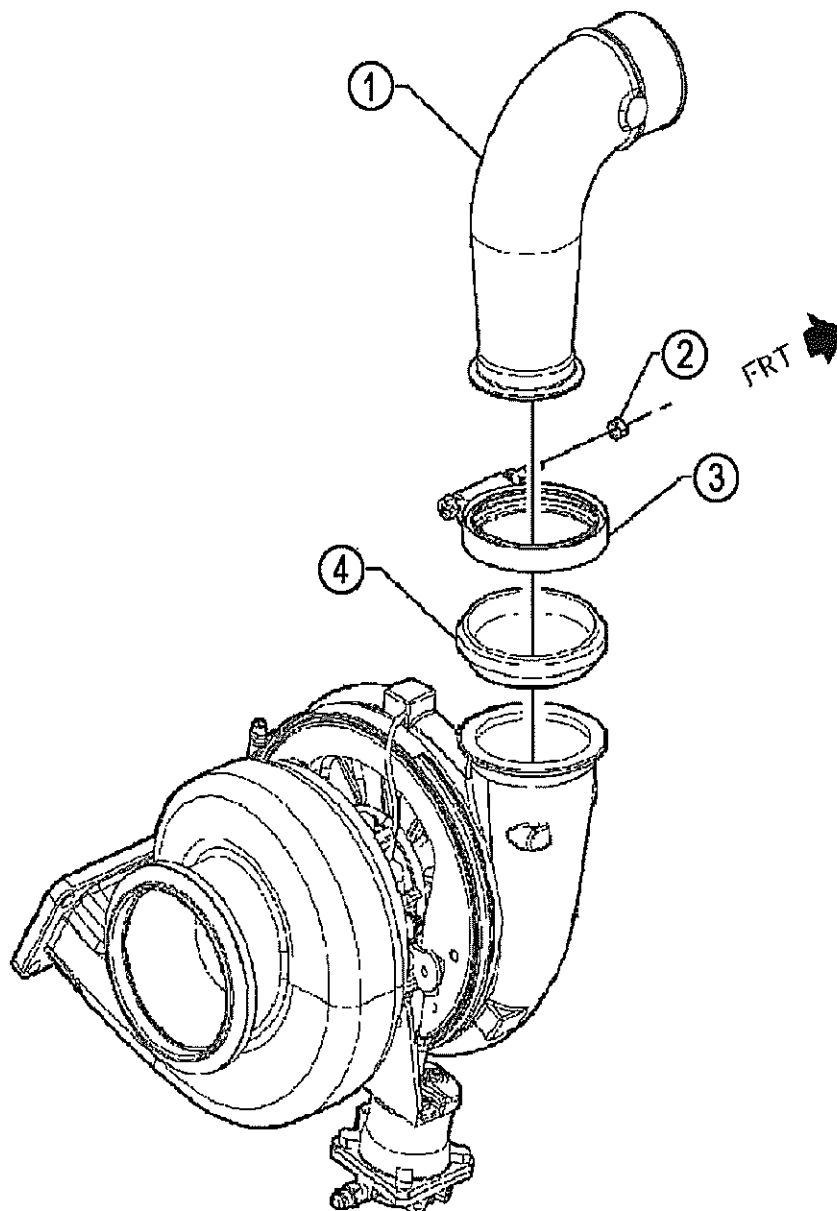


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FIG 1 of 03.5A

DETROIT DIESEL

SERIES 60



44073

FIG 2 of 03.5A

DETROIT DIESEL

SERIES 60

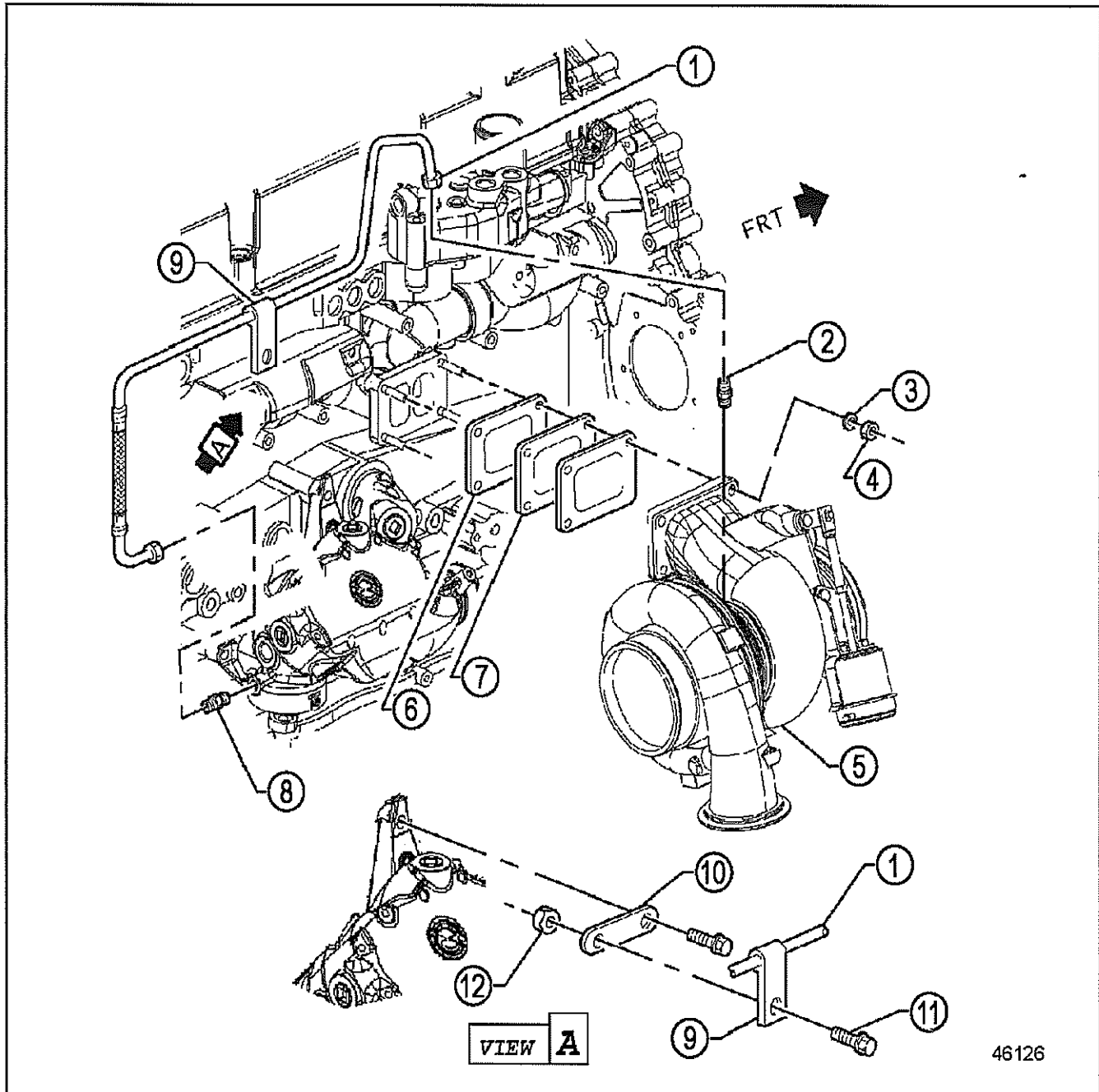


FIG 3 of 03.5A

DETROIT DIESEL

SERIES 60

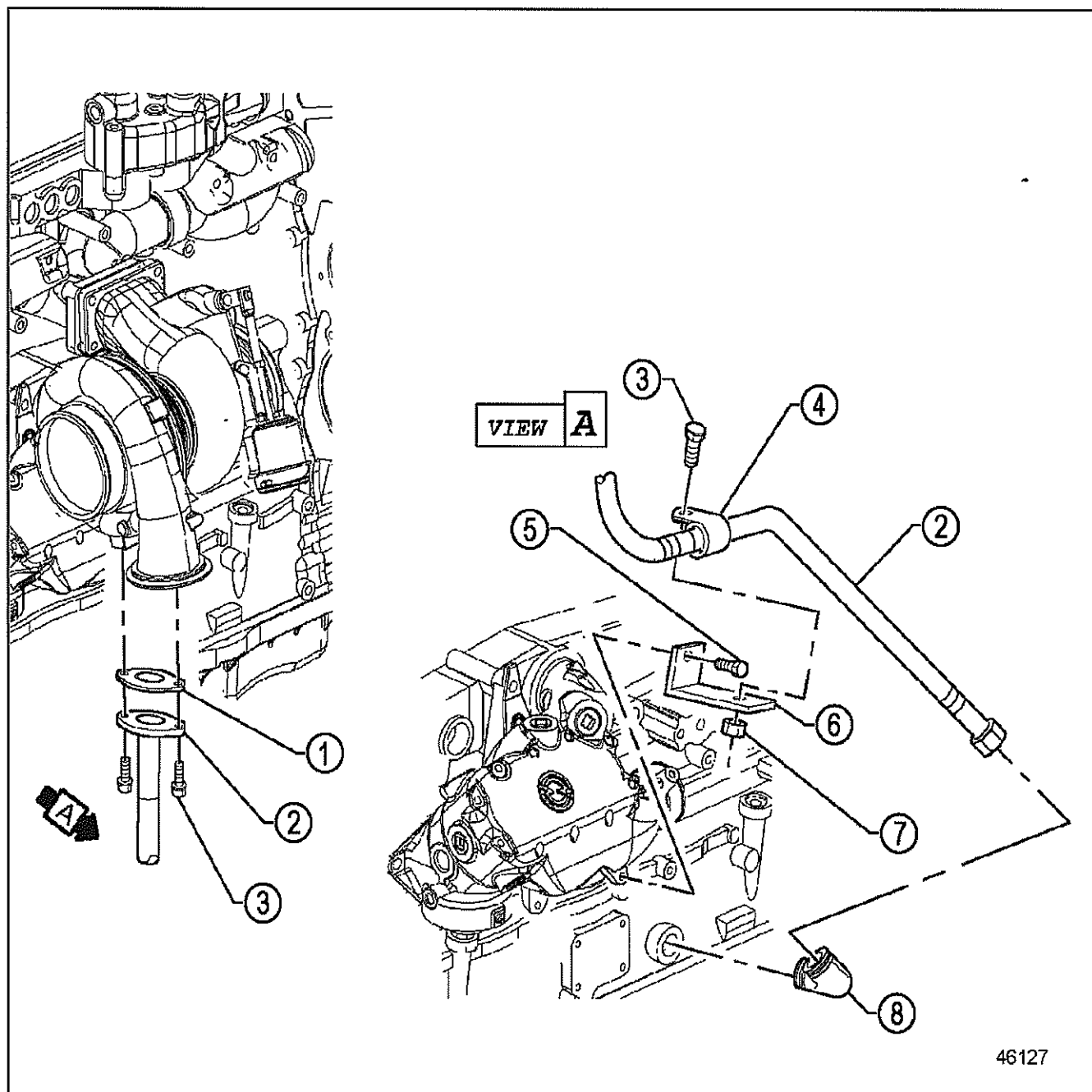


FIG 4 of 03.5A

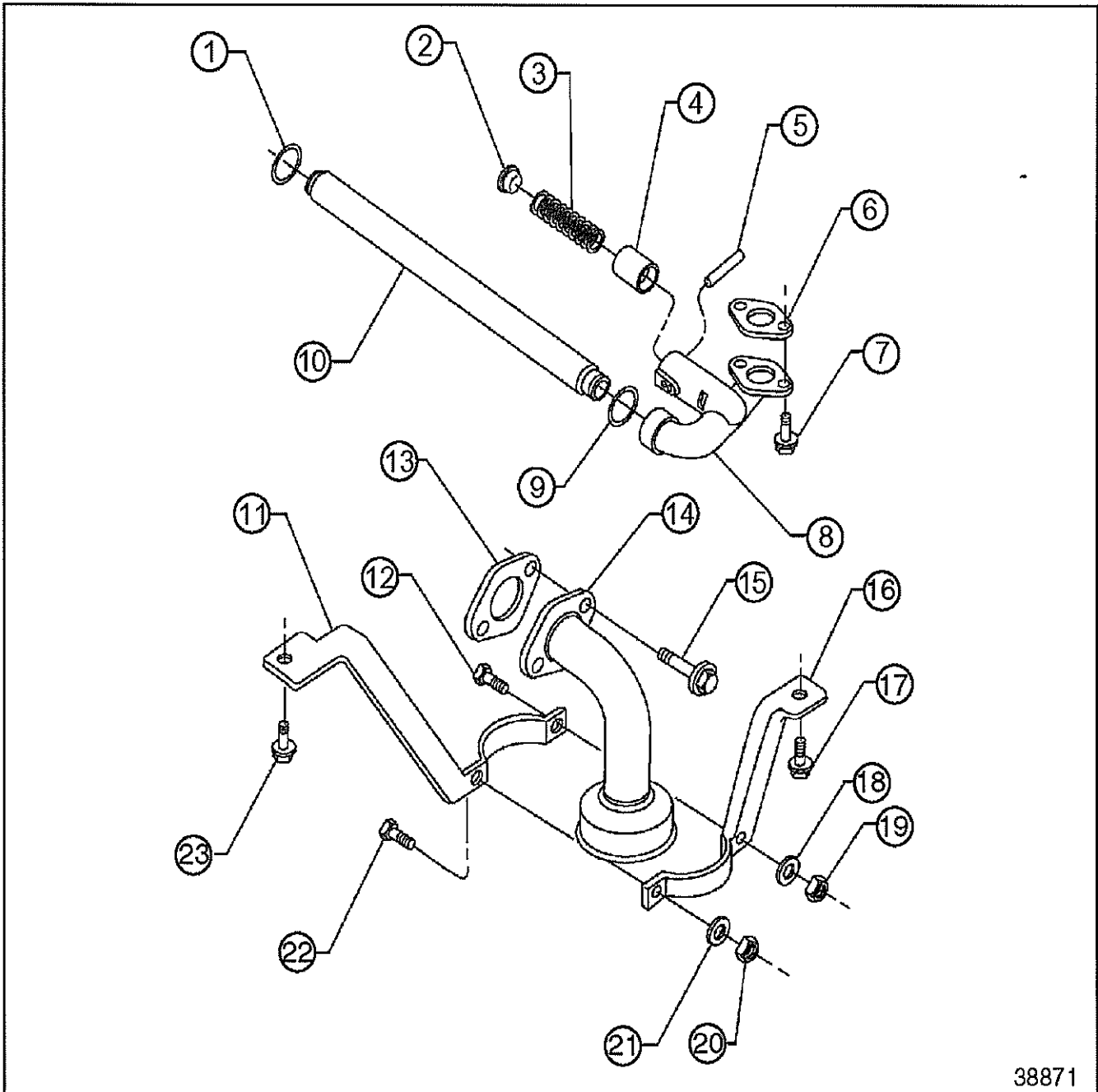
		TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.								
				1	2						
		03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		9	1						
				5	5						
				7	1						
	03.5A001	TURBOCHARGER									
3:3	08929169	WASHER (12.9190)			4						
3:4	11506101	NUT, M10 X 1.5			4						
	23535348	TURB ASM GT47 1.27 A/R 56T SCRL DWN HVY DU ACTR 35; USE: E23535348			NS						
3:5	E23535348	EXCHG TURB ASM GT47 1.27 A/R 56T SCRL DWN HVY DU A			1						
	03.5A022	HOUSING, TURBOCHARGER COMPRESSOR									
2:4	23508408	RING, SEAL TURBO COMP OTLT ELBOW	1								
2:1	23513730	ELBOW, TURBO COMP OTLT 45 DEG.	1								
2:3	23519094	CLAMP ASSY., 4.44" DIA	1								
2:2	23519095	NUT, 1/4-28 LOCK	1								
	03.5A305	CONNECTOR, TURBOCHARGER EXHAUST INLET									
3:7	23528730	SPACER, TURBO TO EXH MANIFOLD 17MM THK			1						
	03.5A307	GASKET, TURBOCHARGER EXHAUST INLET CONNECTION									
3:6	08929529	GASKET, TURBO EXHAUST INLET			2						
	03.5A500	TUBE, TURBOCHARGER OIL SUPPLY									
3:2	08929833	CONNECTOR, 3/8" INV. FL. TUBE; 5/8" PIPE (12.9460)			2						
3:1	23515895	TUBE OIL SUPPLY SCROLL DOWN TURBO S60			1						
3:8	23531273	CONNECTOR, 3/8 FLARE			1						
	03.5A502	CLIP, TURBOCHARGER OIL SUPPLY TUBE									
3:10	05109000	BRACKET, CLIP			1						
3:9	05145994	CLIP, 3/8" TUBE X 1/2" BOLT			1						
3:12	11507036	NUT, M8 X 1.25			1						
3:11	11509511	BOLT, M8 X 1.25 X 20 MM			1						
	03.5A505	TUBE, TURBOCHARGER OIL RETURN									
4:3	11509511	BOLT, M8 X 1.25 X 20 MM			2						
4:8	23505039	ELBOW, 90 DEG FLD 3/4 TUBE			1						
4:2	23515354	TUBE TURB OIL DRN FLEX SST MED MT			1						
	03.5A506	GASKET, TURBOCHARGER OIL RETURN TUBE									
4:1	08929285	GASKET (3.5505)			1						
	03.5A507	CLIP, TURBOCHARGER OIL RETURN TUBE									
4:4	02476233	CLIP, .750" DIA., 3/8" BOLT			1						
4:5	11507036	NUT, M8 X 1.25			1						
	11509511	BOLT, M8 X 1.25 X 20 MM			1						
	23515353	BRACKET CLIP 90DEG			1						

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
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 - 01.2A ENGINE LIFTER BRACKET
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 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
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 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
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 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
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 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
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 - 11.1A ENGINE MOUNTING AND BASE
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 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

				TYPES									
04.1A OIL PUMP													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1									
	04.1A001	PUMP ASSY., OIL <i>A PUMP ASSY. INCLUDES ITEMS IN 4.1040, 4.1065, 4.1075, 4.1090 AND 4.1220.</i>		9									
	08929011	PIN, 25L., DOWEL		8									
	08929393	BOLT, M10 X 1.5 X 70.0 (12.9001)		1									
	11502826	BOLT, M10 X 1.5 X 40.0		2									
	23505885	DOWEL, SLEEVE OIL PUMP		2									
	23505886	PUMP ASSY., RT. SIDE ENGINE		1									
	R23505886	OIL PUMP 60 GEAR DRIVEN		1									
			AR										
	04.1A003	OVERHAUL KIT, OIL PUMP <i>AN OVERHAUL KIT INCLUDES ITEMS IN 4.1065, 4.1075, 4.1520, 4.1590 AND 4.1730.</i>											
	23511065	OVERHAUL KIT, RT SIDE ENGINE		1									
	04.1A030	SHIM, OIL PUMP SHIM (.0055" THK.)											
	23508740		AR										
	04.1A040	BODY, OIL PUMP <i>BODY ASSY. INCLUDES BUSHINGS IN 4.1050.</i>											
	23505878	BODY ASSY., RT. SIDE ENGINE		1									
	04.1A050	BUSHING, OIL PUMP BODY BUSHING, SHAFT & DRIVE GEAR		2									
	04.1A065	SHAFT AND GEAR ASSY., OIL PUMP DRIVE SHAFT & GEAR ASSY., OIL PUMP		1									
	04.1A075	SHAFT AND GEAR ASSY., OIL PUMP DRIVEN SHAFT & GEAR ASSY., OIL PUMP		1									
	04.1A090	GEAR, OIL PUMP DRIVE GEAR, 69 TEETH		1									
	04.1A220	COVER, OIL PUMP <i>A COVER ASSY. INCLUDES BUSHINGS IN 4.1220</i>											
	11509511	BOLT, M8 X 1.25 X 20 MM		2									
	11509514	BOLT, M8 X 1.25 X 50 MM		2									
	23505879	BUSHING, SHAFT & DRIVE GEAR		2									
	23505883	COVER ASSY, OIL PUMP		1									

DETROIT DIESEL

SERIES 60



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FIG 1 of 04.1B

04.1B OIL DISTRIBUTION SYSTEM				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	5									
	04.1B510	PIPE, OIL PUMP INLET		9									
1:15	11509514	BOLT, M8 X 1.25 X 50 MM	2	4									
1:14	23506683	TUBE & SCREEN ASSY, OIL PUMP	1										
	04.1B520	GASKET, OIL PUMP INLET PIPE											
1:13	23505992	GASKET, OIL INLET TUBE TO PUMP	1										
	04.1B540	BRACKET, OIL PUMP SCREEN SUPPORT											
1:11	08929104	BRACKET	2										
1:19	11502812	NUT, M10 X 1.5	2										
1:12	11505299	BOLT, M10 X 1.5 X 30.0 MM	4										
	04.1B580	PIPE, OIL PUMP OUTLET											
1:7	11504822	BOLT, M8 X 1.25 X 30	2										
1:10	23505890	TUBE, OIL PUMP OUTLET	1										
1:1	23505891	RING SEAL, OIL PUMP OUTLET	1										
1:9	23505892	RING SEAL, OIL PUMP INLET	1										
	23505893	ELBOW, OIL INLET TO BLOCK; USE: 23514767	NS										
	23514767	ELBOW ASM OIL INL & PRESS RLF VLV S60	1										
	23514738	ELBOW, OIL INL & RELIEF VALVE	1										
	00457008	PIN, 3/16" X 1-1/2" SPRING (12.9270)	1										
	05126327	SPRING (2.96" FREE LENGTH, 15 COILS, CLO	1										
	05117957	SEAT	1										
	08922740	VALVE	1										
	04.1B590	GASKET, OIL PUMP OUTLET PIPE											
1:6	08929347	GASKET (TO BLOCK)	1										

TYPES

04.1C OIL, PRESSURE REGULATOR

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

04.1C670

REGULATOR, OIL PRESSURE

A PUMP KIT INCLUDES PUMP ASSY. AND SEAL
RING.

11504822

BOLT, M8 X 1.25 X 30

23512901

REGULATOR ASSY.

00457008

PIN, 3/16" X 1-1/2" SPRING (12.9270)

08929283

BODY, REGULATOR

05126327

SPRING (2.96" FREE LENGTH, 15 COILS, CLO

08922740

VALVE

23512900

SEAT

DETROIT DIESEL

SERIES 60

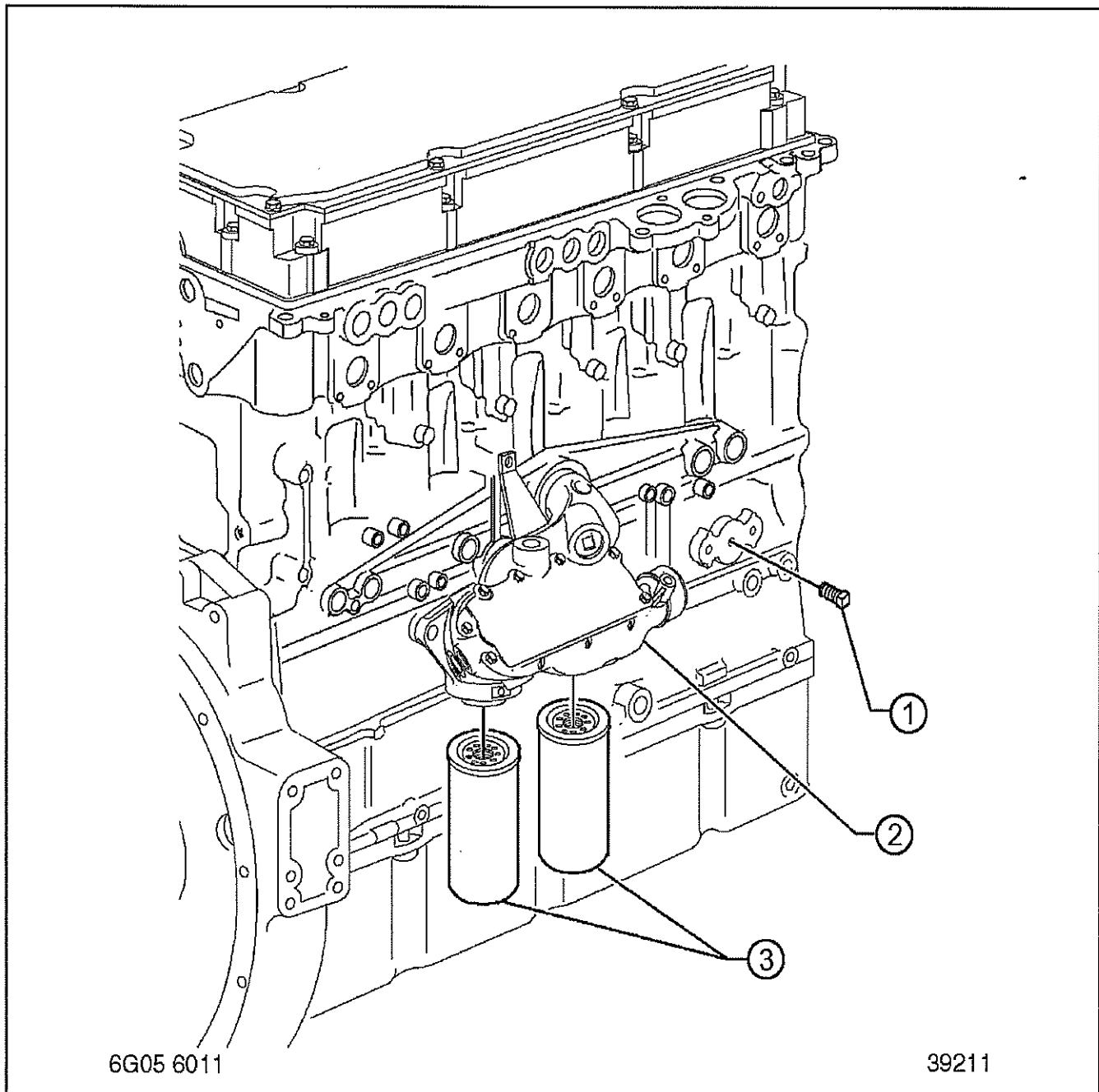
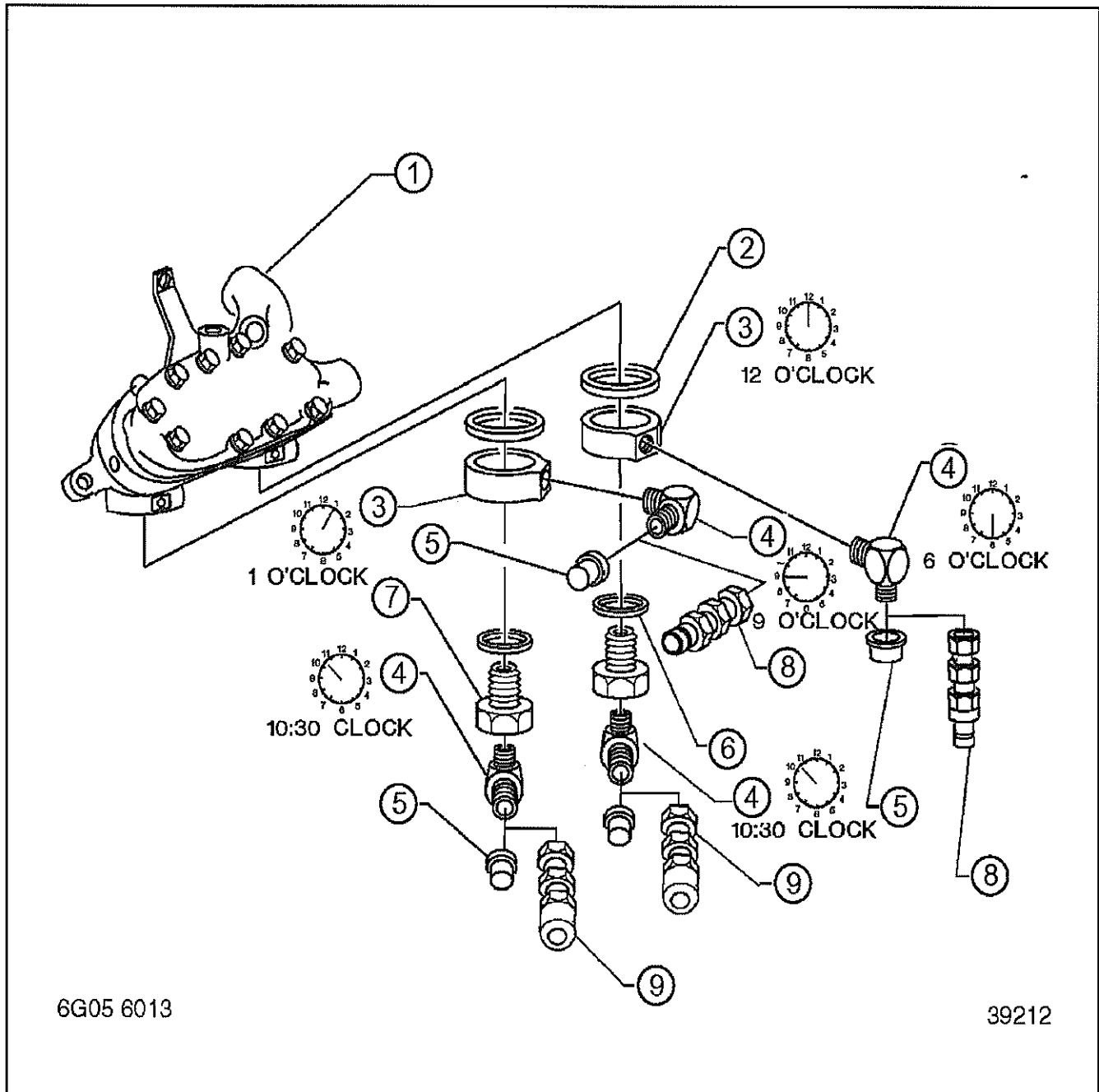


FIG 1 of 04.2A

DETROIT DIESEL**SERIES 60****FIG 2 of 04.2A**

DETROIT DIESEL

SERIES 60

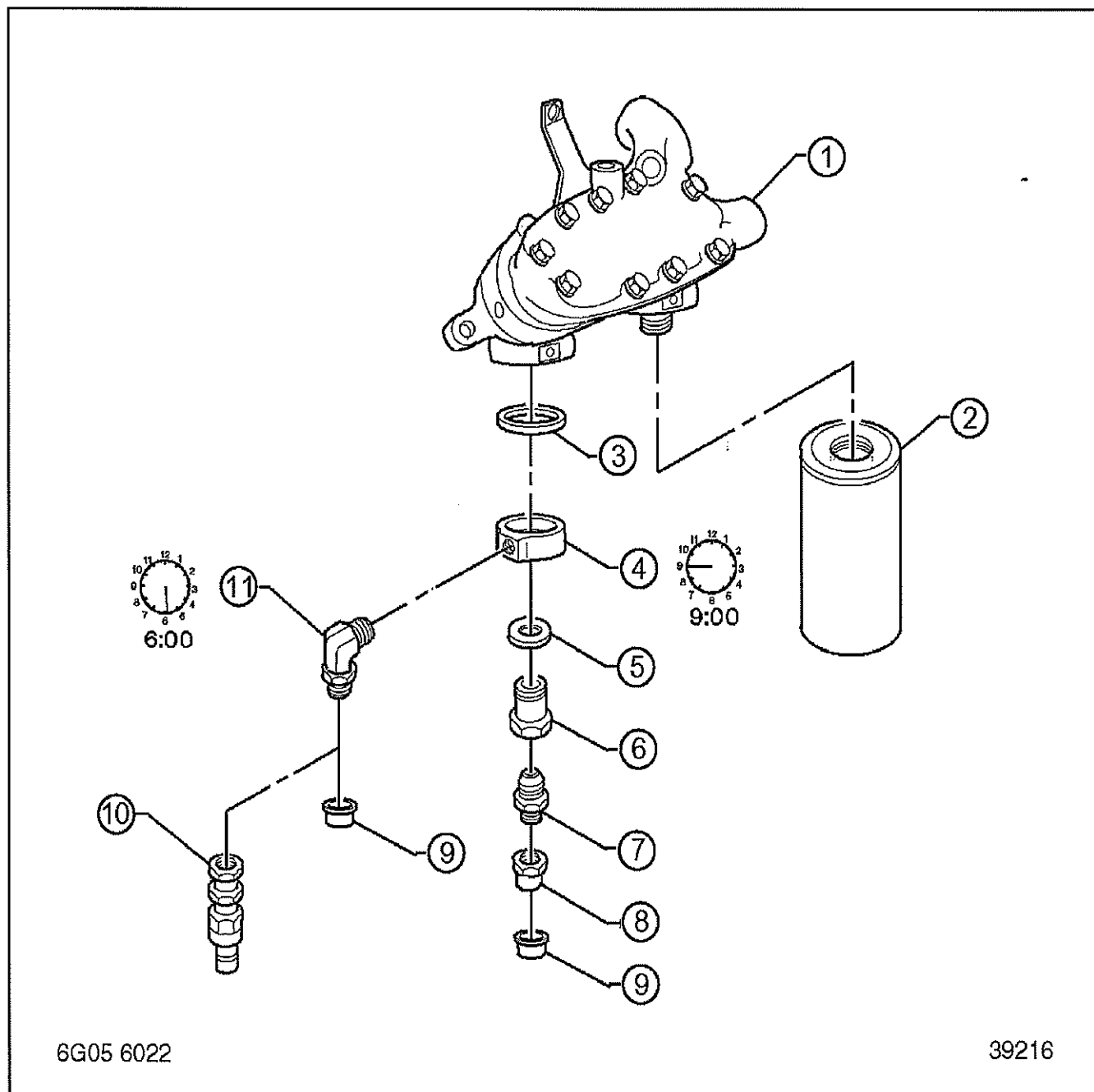


FIG 3 of 04.2A

04.2A OIL FILTER

TYPES

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

04.2A250

1:3

23518480

ELEMENT, OIL FILTER

FILTER, LUBE OIL SPIN ON; USE: 23527033

6
3
8

23527033

FILTER, ELEMENT SPIN ON LUBE OIL; USE:
23530573;NS
NS

23530573

FILTER, ELEMENT SPIN ON

2

04.2A291

1:1

08923847

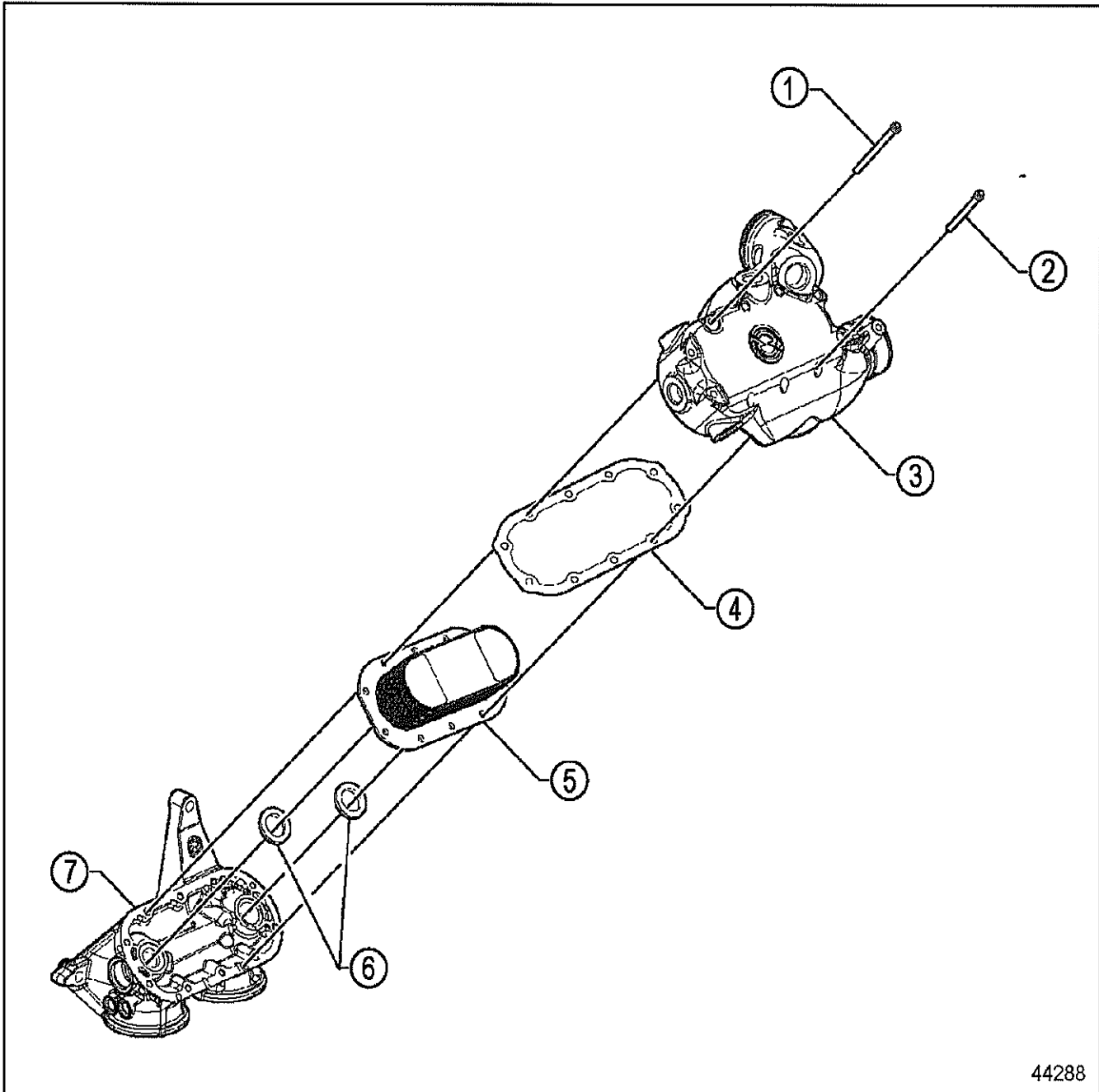
ADAPTOR, OIL FILTER COVER

PLUG, PIPE 1/4-18" NPTF

1

DETROIT DIESEL

SERIES 60

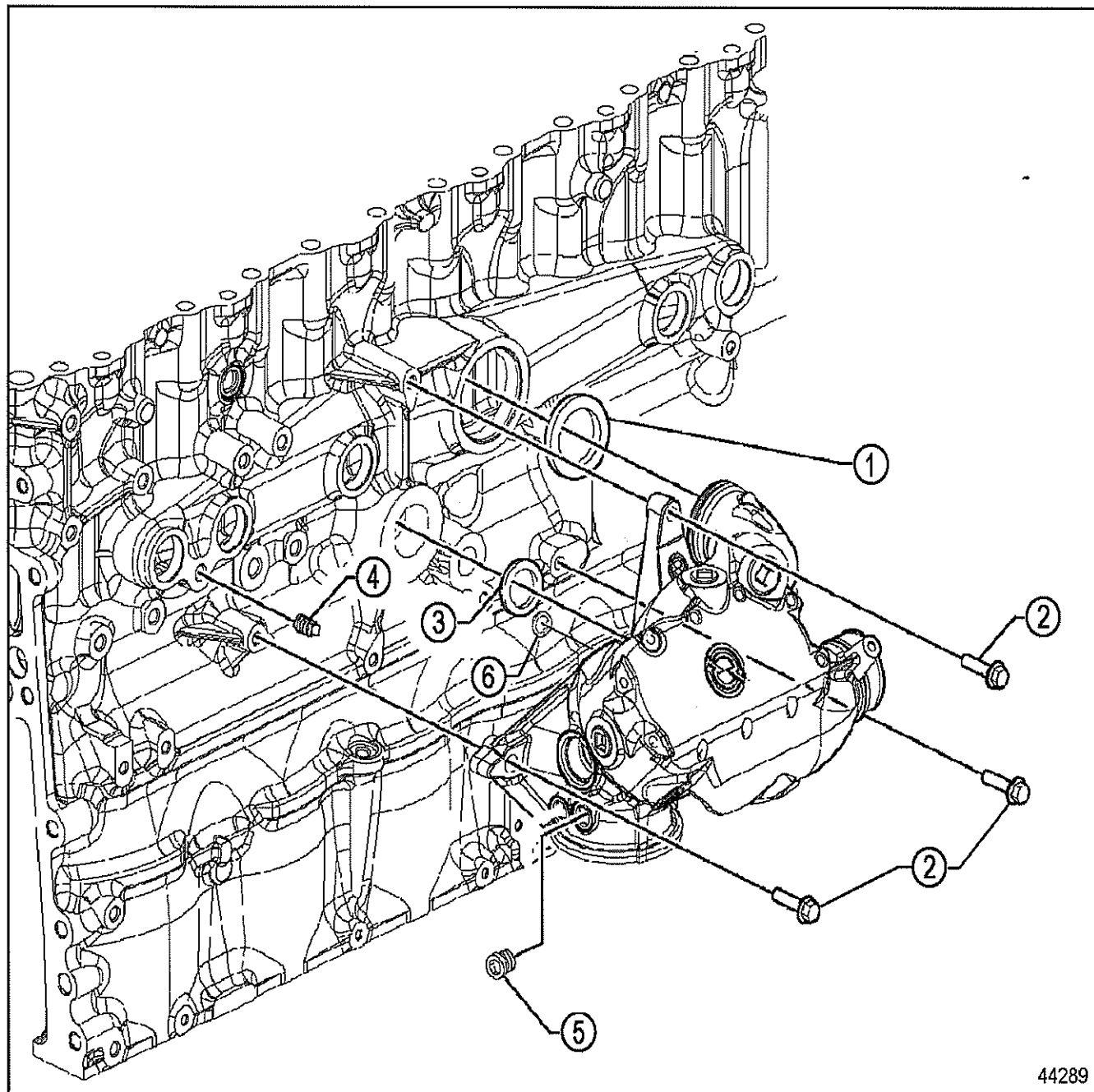


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FIG 1 of 04.4A

DETROIT DIESEL

SERIES 60

**FIG 2 of 04.4A**

				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
		04.4A OIL COOLER AND MARINE GEAR LINES		1									
				5									
				0									
				3									
	04.4A001	CORE, OIL COOLER ENGINE											
1:5	23522415	CORE ASSY.,ENG OIL CLR 11 PLT MODINE	1										
	04.4A030	GASKET, OIL COOLER CORE-INNER											
1:4	23506247	GASKET, OIL COOLER HOUSING	1										
	04.4A050	HOUSING, OIL COOLER-ENGINE											
1:2	23507182	BOLT, SPL M8 X 1.25 X 73.0	3										
1:1	23507183	BOLT, M8 X 1.25 X 93.0 LG 10.9 PHOS 12 PT	7										
2:4	23516104	PLUG PIPE 1/4-18 HEX HD STL CTD RED	1										
1:3	23526054	HOUSING ASSY., OIL COOLER	1										
	23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	4										
	23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	1										
	08922327	PLUG, 1/4" NPTF (12.9550)	1										
	04.4A053	HOUSING, OIL TRANSFER COOLER-FILTER ADAPTOR											
1:6	23508392	RING, SEAL	2										
	04.4A055	GASKET, OIL COOLER HOUSING											
2:1	08929289	RING, SEAL	1										
	04.4A110	ADAPTOR, OIL COOLER											
		<i>AN ADAPTOR ASSY. INCLUDES 4-PLUGS IN 4.4110 PLUS ITEMS IN 4.4140 AND 4.4150.</i>											
2:2	23505062	BOLT, M10 X 1.5 X 40	4										
1:6	23508392	RING, SEAL	2										
1:7	23532486	ADAPTOR, HSG ASSY OIL COOLER	1										
	5319970132	PLUG ASSY., M42 X 2	1										
	5319970532	PLUG, M27 X 2	1										
	735210033000	PLUG, M33 x 2.00 STL ISO6149	1										
2:5	23533181	PLUG-M14 X 1.5, ISO	1										
	5319971632	PLUG ASSY., ISO 6149 PORT	1										
	04.4A112	GASKET, ADAPTOR TO OIL COOLER HOUSING											
2:3	23505902	RING, SEAL BYPASS FILTER; USE: 23532850	NS										
2:3	23532850	SEAL RING BYPASS FILTER ADAPTOR	1										
	04.4A115	GASKET, OIL COOLER ADAPTOR TO BLOCK											
2:6	23508392	RING, SEAL	1										

DETROIT DIESEL

SERIES 60

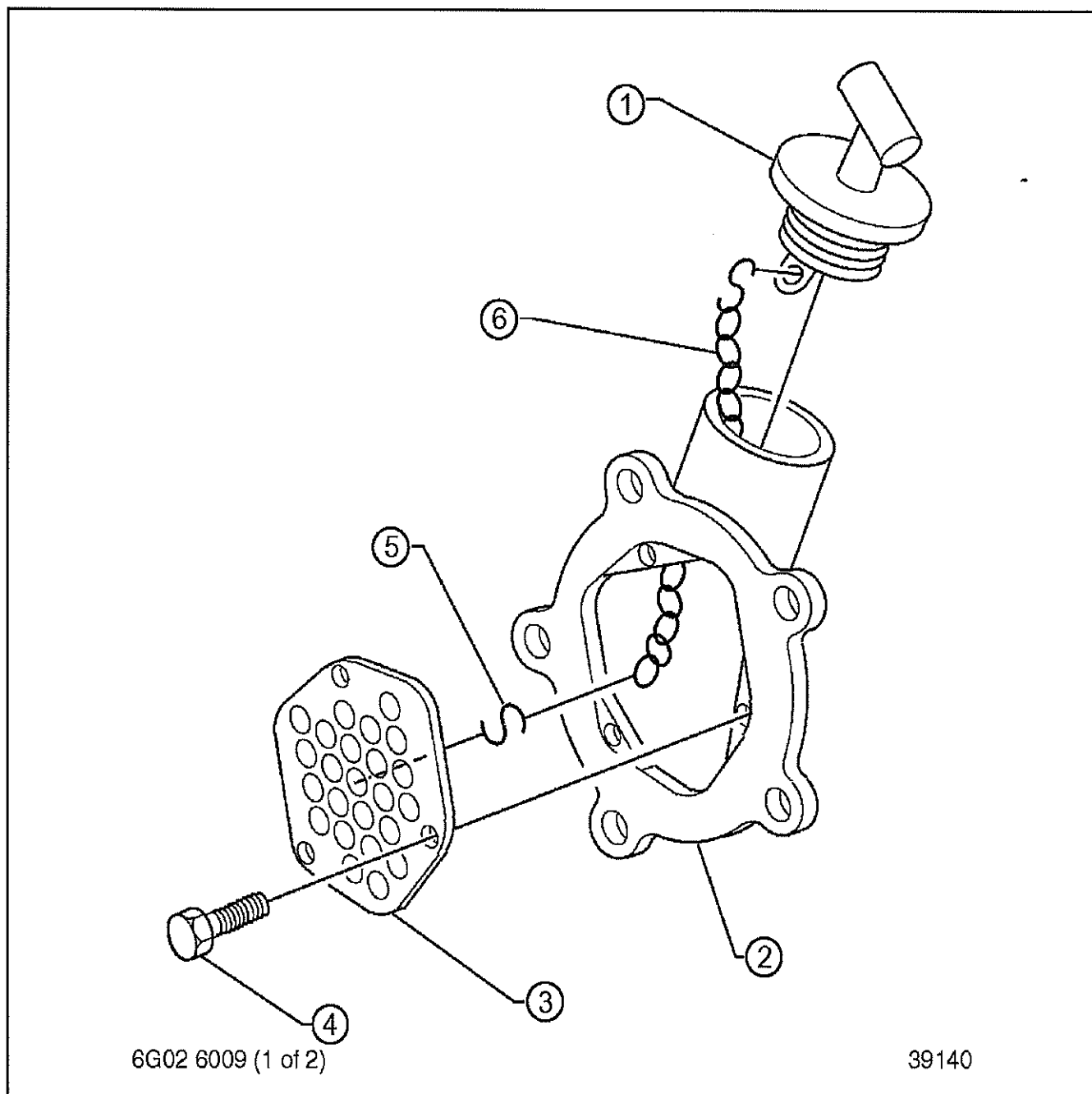


FIG 1 of 04.5A

DETROIT DIESEL

SERIES 60

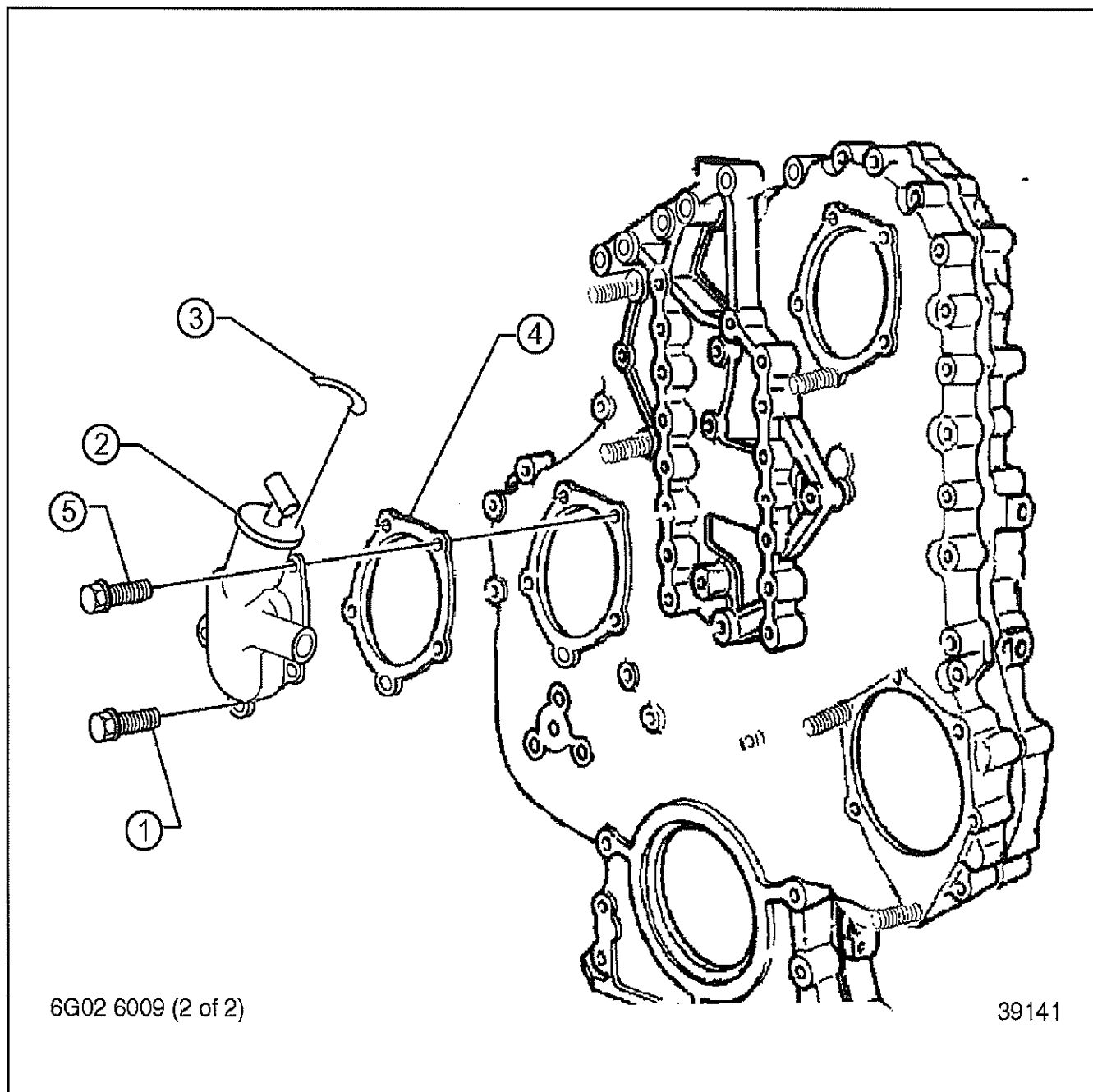
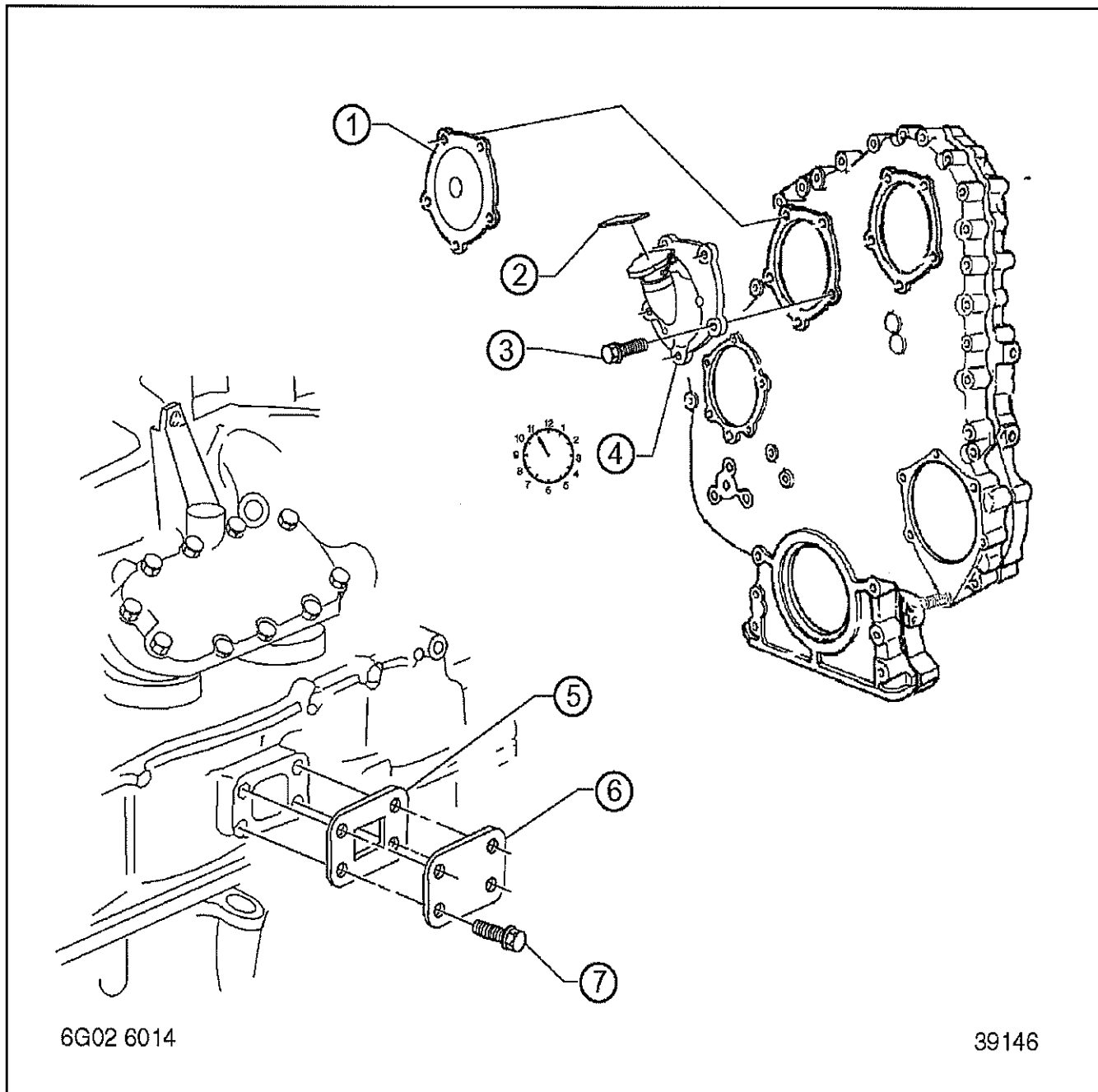


FIG 2 of 04.5A

DETROIT DIESEL**SERIES 60****FIG 3 of 04.5A**

DETROIT DIESEL

SERIES 60

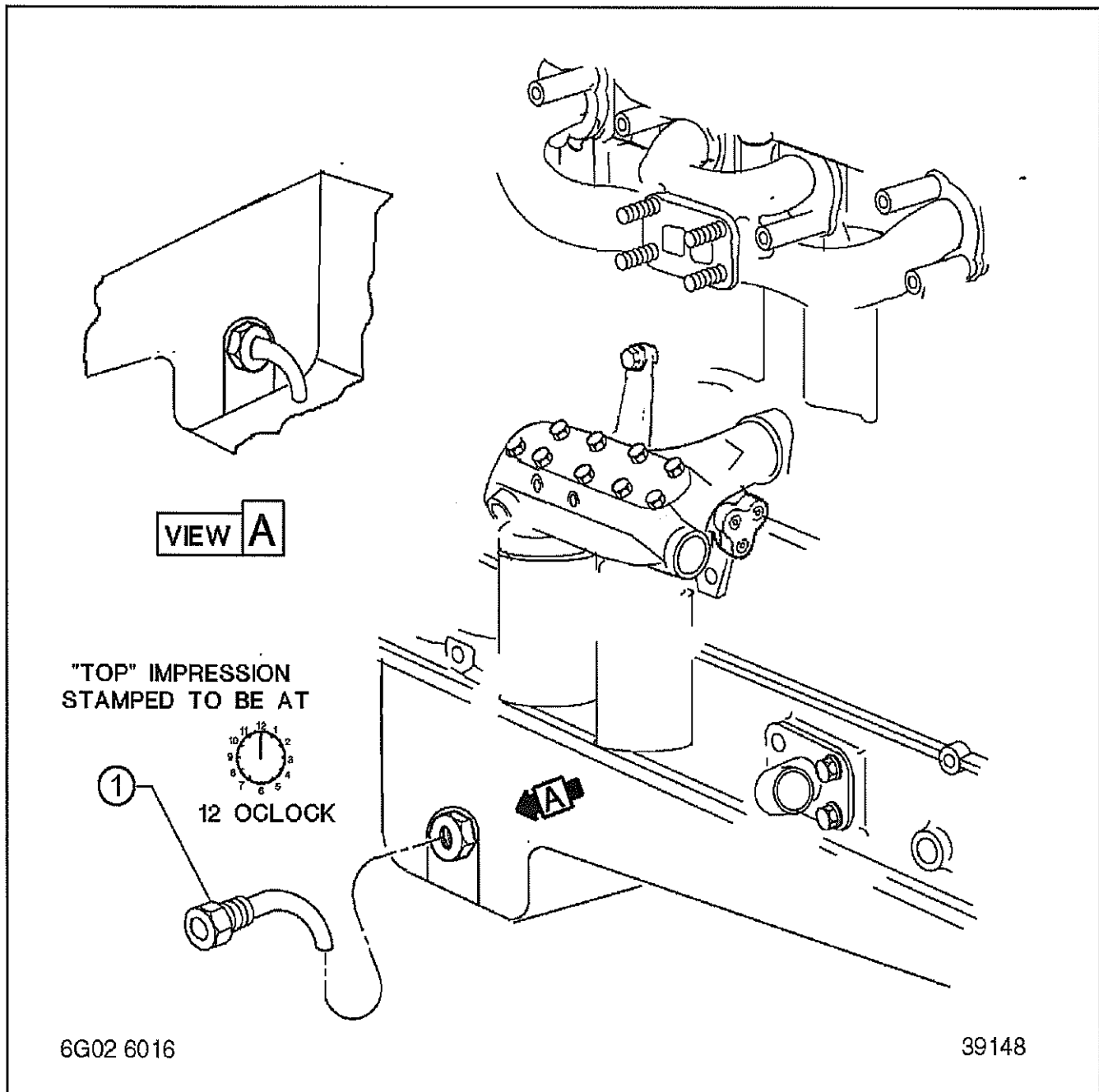


FIG 4 of 04.5A

		04.5A OIL, FILLER		TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
	04.5A010	CAP, OIL FILLER		1									
1:1	05117362	CAP, OIL FILLER		9									
	23514362	LABEL-OIL FILL CAP S50/60		4									
				1									
	04.5A020	STRAINER, OIL FILLER TUBE											
1:4	11503804	SCREW ASSY.		3									
1:3	23513642	SCREEN		1									
	04.5A030	CHAIN, OIL FILLER CAP											
1:5	05107979	HOOK, CHAIN ("S" TYPE) (4.5020)		2									
1:6	05121989	CHAIN SASH 6.50 LG		1									
	04.5A070	COVER, OIL FILLER HOLE											
2:1	11504822	BOLT, M8 X 1.25 X 30		4									
	11509511	BOLT, M8 X 1.25 X 20 MM		4									
2:5	11509518	BOLT, M8 X 1.25 X 90 MM		1									
1:2	23513641	HOUSING		1									
	23516970	PLATE OIL FILL CVR DCST AL S50/60		1									
	04.5A080	GASKET, OIL FILLER HOLE COVER											
	08929302	GASKET, 4 HOLE (4.5007)		1									
2:4	23512877	GASKET, COVER (1.3192)		1									

DETROIT DIESEL

SERIES 60

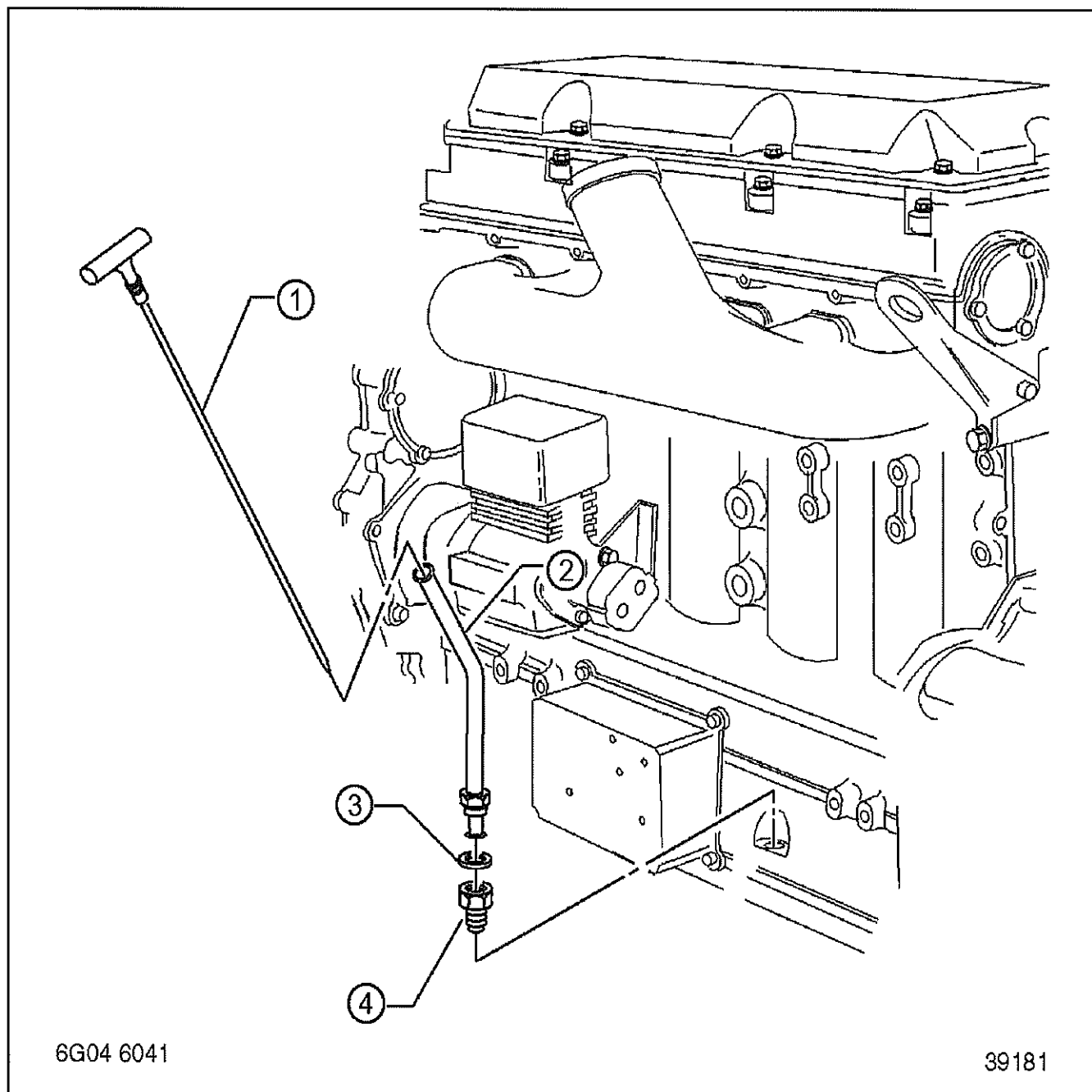


FIG 1 of 04.6A

			TYPES									
04.6A DIPSTICK												
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	3	8	8					
04.6A001												
1:1	23517836	DIPSTICK GAUGE ASM OIL LVL SNAP LK 16.33LG S60(INCLUDES 23514465 SEAL RING)		1								
04.6A020												
1:4	23513683	GUIDE, DIPSTICK GUIDE		1								
04.6A030												
1:3	23513842	ADAPTOR, DIPSTICK SEAL OIL LVL GA ADAP		1								
1:2	23514328	TUBE ASM 8.70 LG		1								
	00137401	NUT, 1/2" INV. TUBE	1									

DETROIT DIESEL

SERIES 60

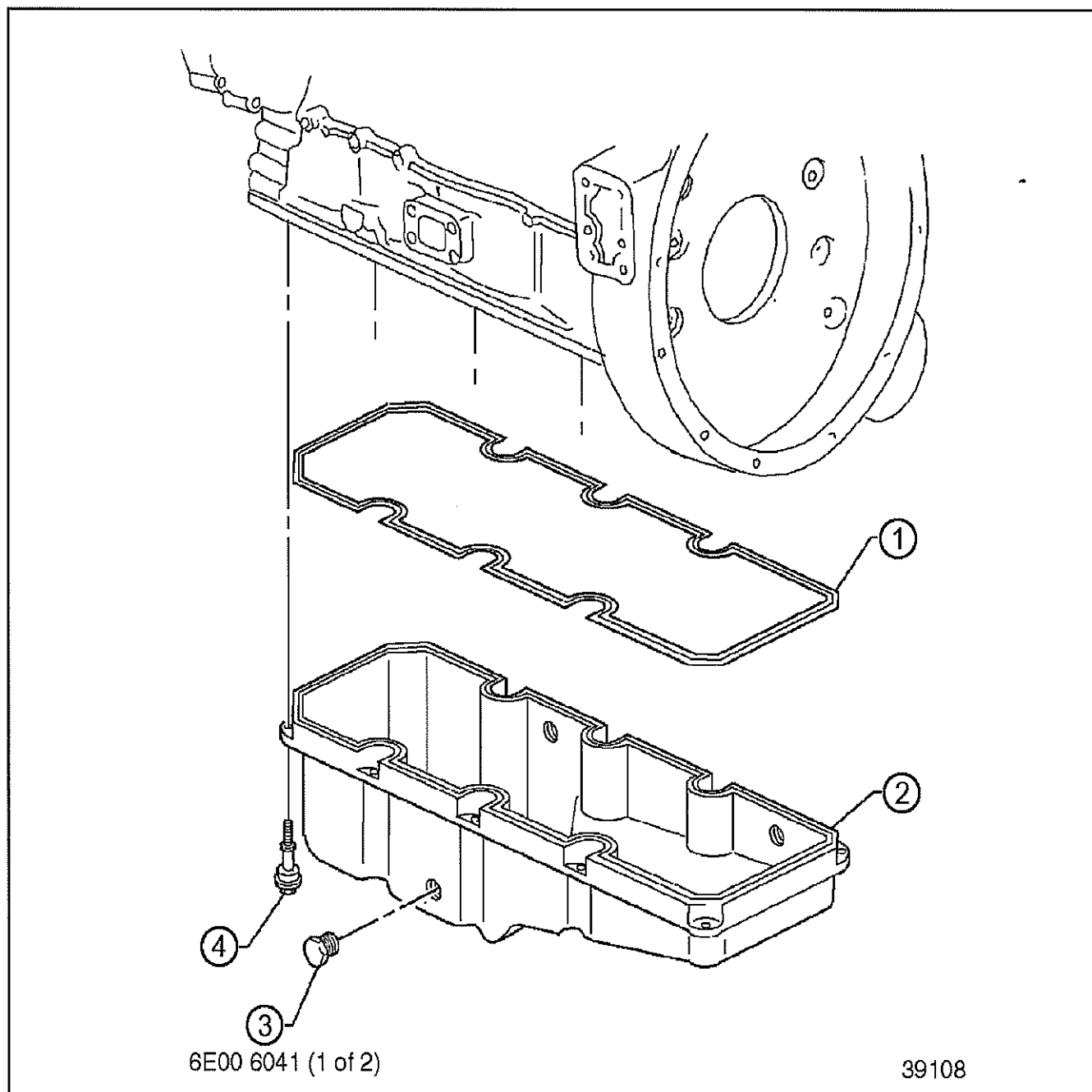


FIG 1 of 04.7A

DETROIT DIESEL

SERIES 60

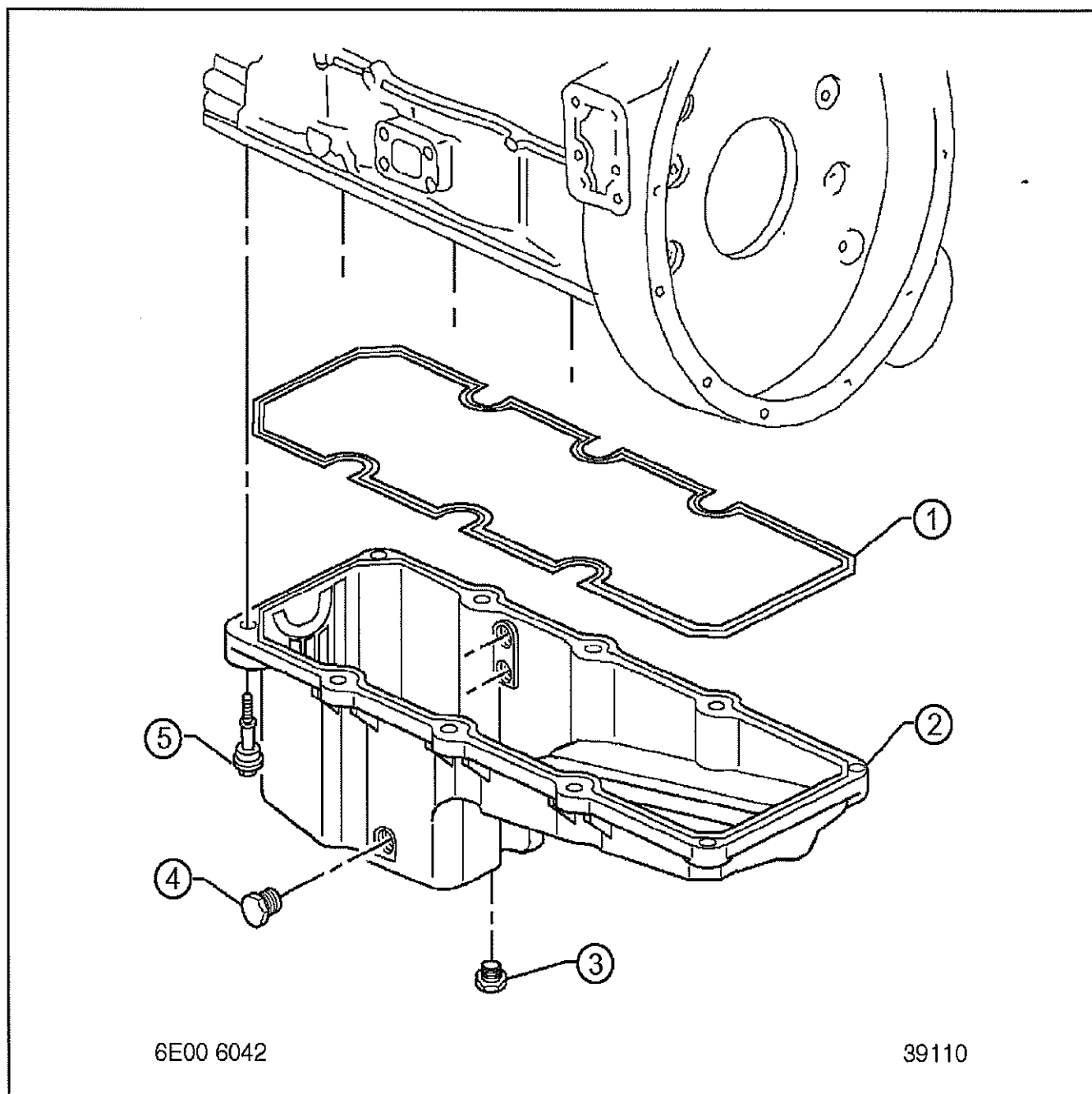
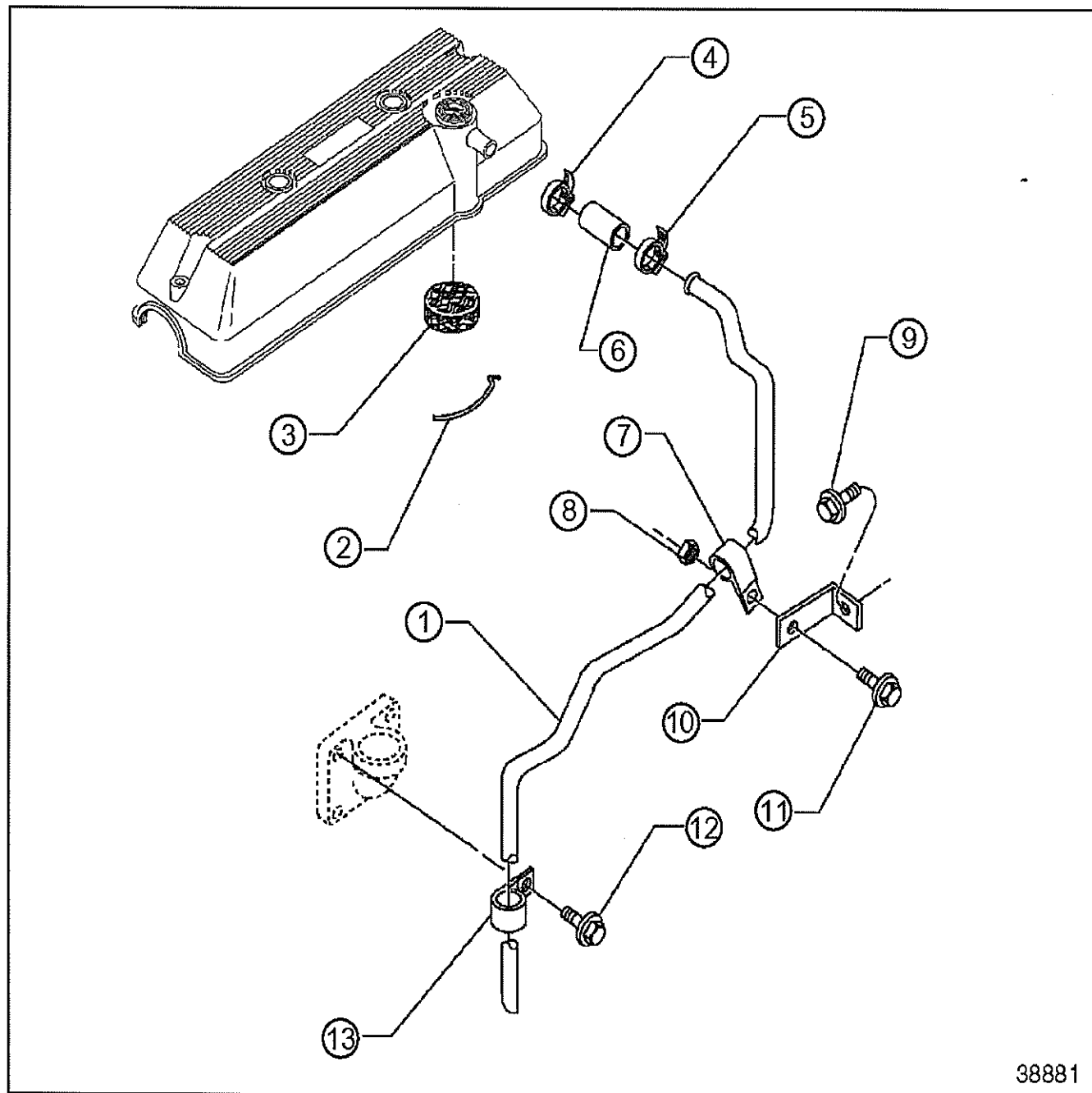


FIG 2 of 04.7A

				TYPES									
04.7A OIL PAN				9									
				6									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	8									
	04.7A001	PAN, OIL											
		<i>OIL PAN ASSYS. INCLUDE PLUGS, INSERTS, SEAL RINGS, AND NUTS IN 4.7001</i>											
2:3	05178994	PLUG, 3/4"-14 NPTF PIPE (4.7080)	1										
2:4	08923313	PLUG, 3/4" PIPE (12.9550)	3										
	23520929	SEAL RING	3										
	23521330	KIT INSERT OIL PAN (W/INSERTS, NUTS & SEAL RINGS)	3										
2:5	23522281	SLEEVE ASSY., OIL PAN BOLT MOD SEAL SYS	10										
2:2	23522283	PAN ASSY., OIL RR SUMP	1										
	04.7A030	GASKET, OIL PAN TO BLOCK											
2:1	23522279	GASKET, OIL PAN W/O CORD MOD SEAL SYS	1										

DETROIT DIESEL

SERIES 60



38881

FIG 1 of 04.8A

DETROIT DIESEL

SERIES 60

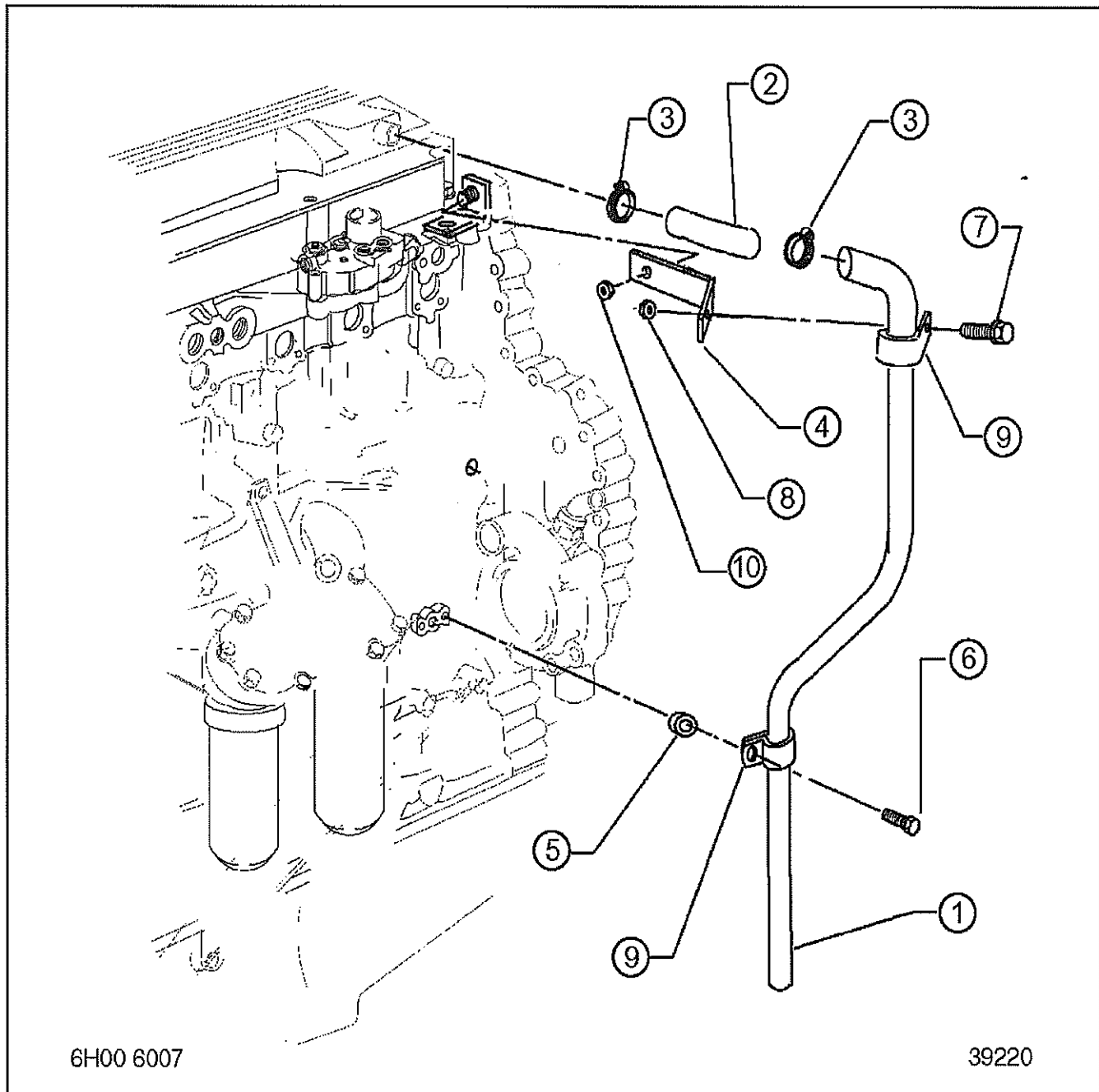


FIG 2 of 04.8A

04.8A VENTILATING SYSTEM

TYPES

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

04.8A001

PIPE ASSY, BREATHER

2:1 23517013 TUBE BTHR DRAFT (RKR CVR) 1344.0 LG

2:2 23518315 HOSE 90 DEG 1.0ID 1.80 X 1.0R

04.8A039

CLAMP, BREATHER TUBE

2:3 05186840 CLAMP, 1 1/2" I.D. (12.9660)

04.8A040

CLIP, BREATHER TUBE

2:5 05160425 SPACER, 13/32"X23/32"

2:8 11506101 NUT, M10 X 1.5

2:10 11507036 NUT, M8 X 1.25

2:7 11509511 BOLT, M8 X 1.25 X 20 MM

2:6 23505062 BOLT, M10 X 1.5 X 40

2:9 23506443 CLIP, #16 HOSE 1" DIA. (4.8183)

2:4 23519756 BRACKET

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

DETROIT DIESEL

SERIES 60

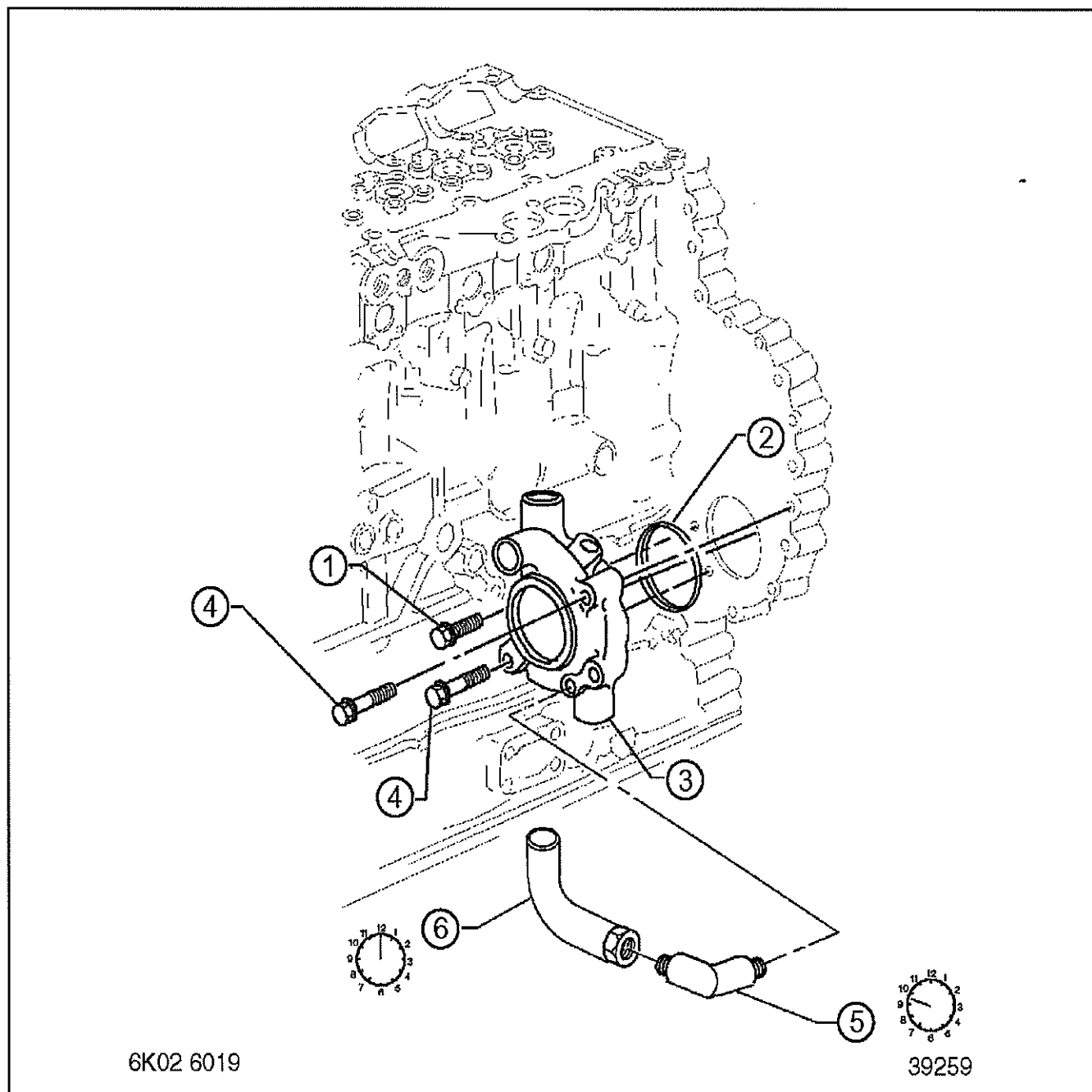


FIG 1 of 05.1

DETROIT DIESEL

SERIES 60

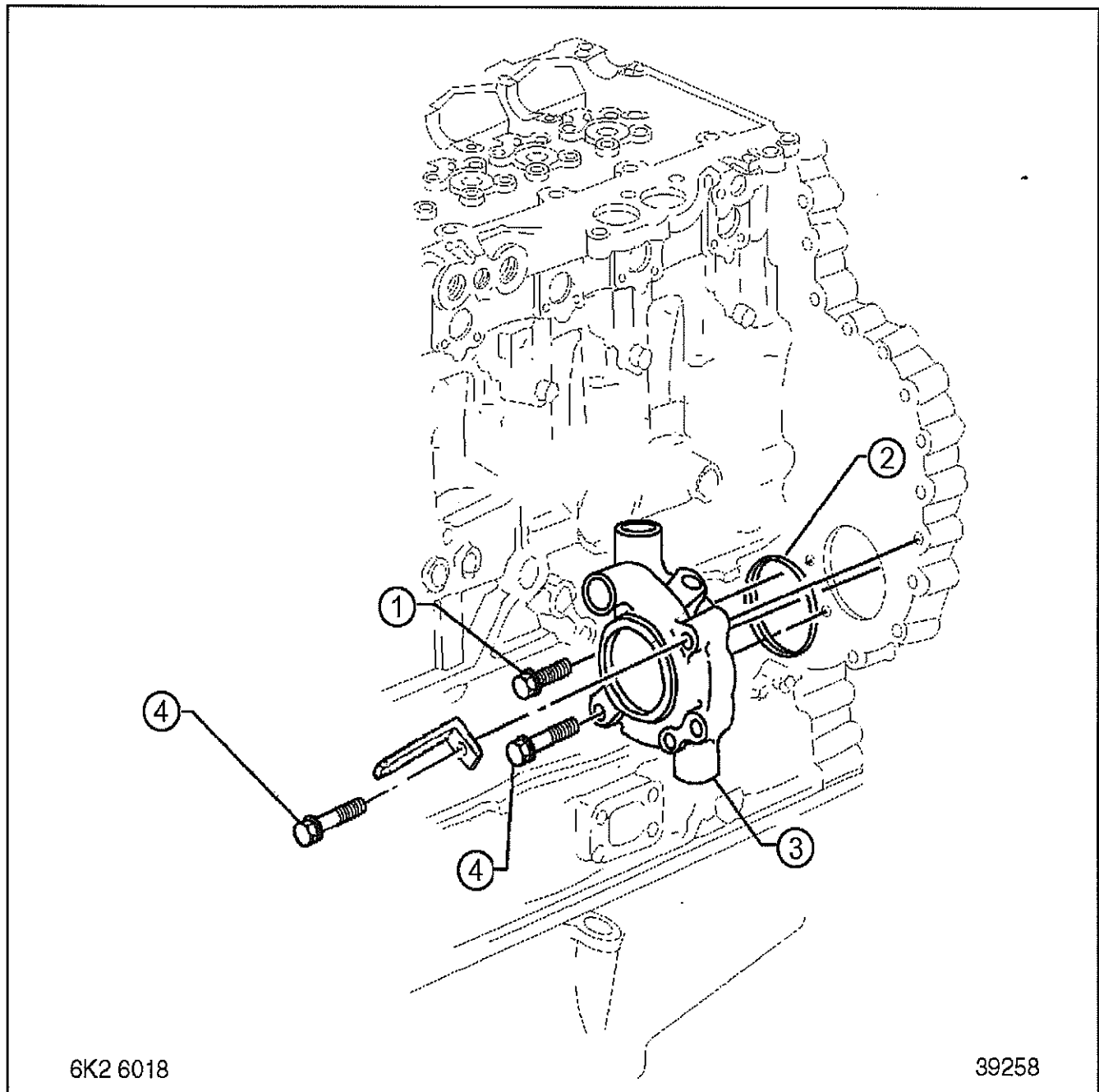


FIG 2 of 05.1

05.1 FRESH WATER PUMP

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	3	3	5														
05.1001		PUMP ASSY., FRESH WATER																		
		<i>A PUMP KIT INCLUDES PUMP ASSY. AND SEAL RING.</i>																		
2:1	11509523	BOLT, M10 X 1.5 X 55 MM	1																	
2:4	23505755	BOLT, M10 X 1.5 X 155.0	2																	
2:2	23526038	SEAL, O-RING .139"X 5.234"ID	1																	
2:3	23526039	(R) KIT, WATER PUMP KANGEROO POUCH(POCKET PUMP)	1																	
	23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	2																	
	23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	1																	
	08929594	PLUG, 3/8"-18 DIA. PIPE EXT. HEX. SOC.	1																	
	08922383	COVER, NON-METALLIC	1																	
	23512048	SEAL RING	1																	
	08922407	RING RETAINER	1																	
	23505896	SHAFT	1																	
	08929422	BEARING ASSY.	1																	
	08929427	RING	1																	
	23517973	IMPELLER W/PMP C/I 6 VANE S60	1																	
	23522433	SEAL, WATER PUMP HEAT SINK ROTOR	1																	
	23528190	SEAL, OIL WAT PMP	1																	
	23505897	WASHER, SPL WAT PUMP GEAR (5.1110)	1																	
	23505910	GEAR, RH 61 TEETH	1																	
	23508863	BOLT, M12X1.75X50.0MM	1																	

DETROIT DIESEL

SERIES 60

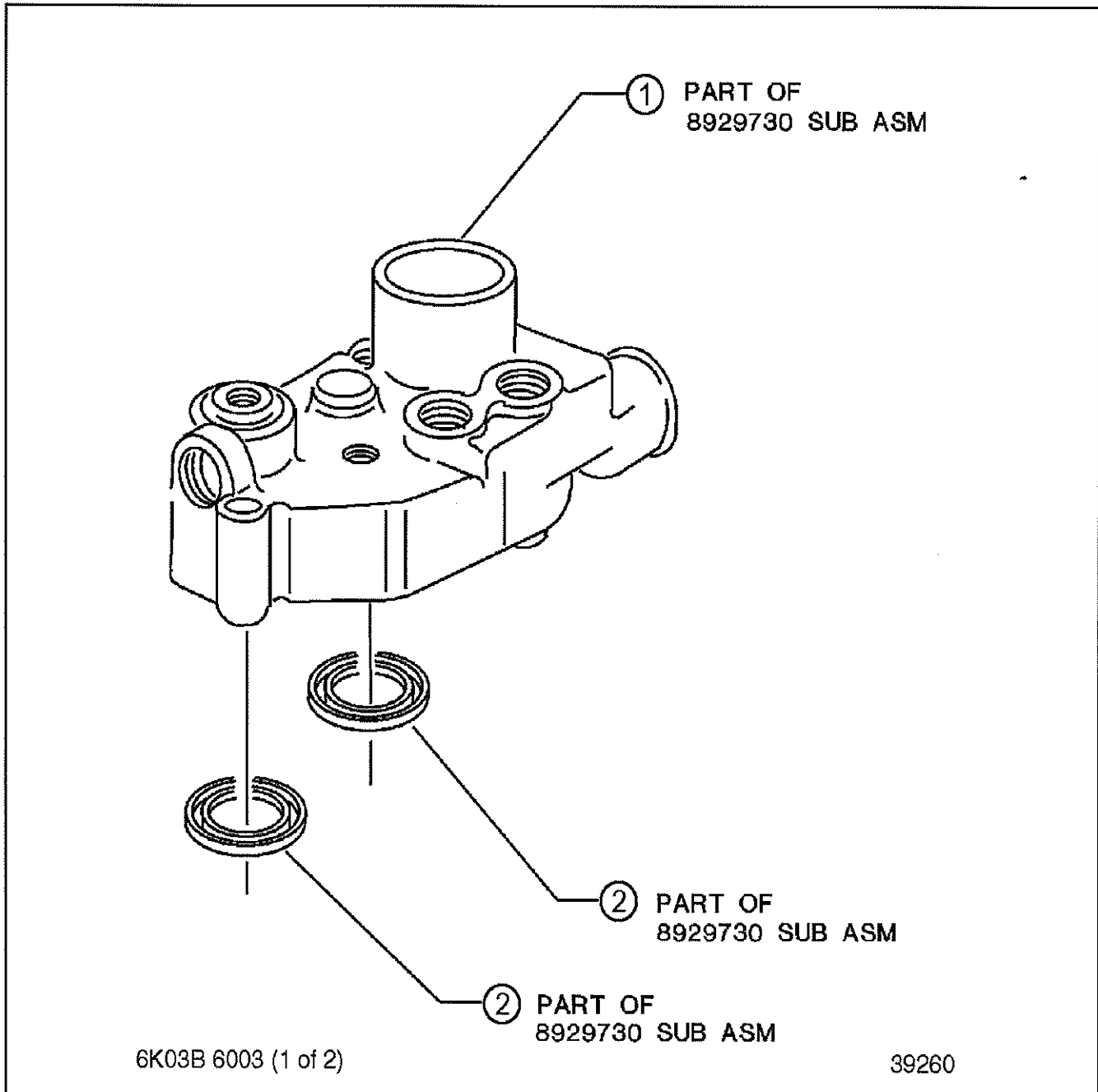


FIG 1 of 05.2B

DETROIT DIESEL

SERIES 60

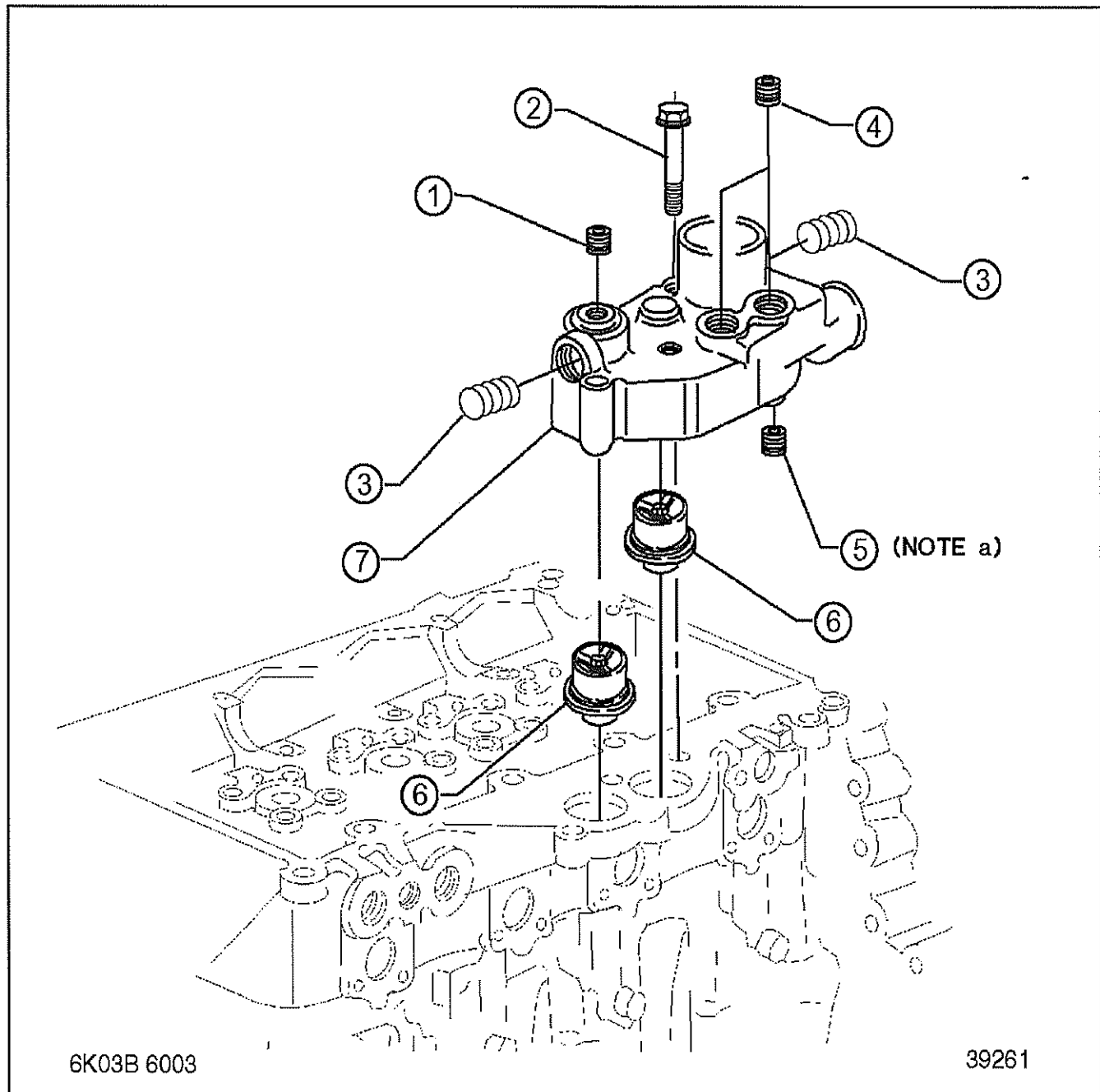


FIG 2 of 05.2B

05.2B THERMOSTAT

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	3	5	8														
	05.2B050	THERMOSTAT ASSY.																		
2:6	08929878	THERMOSTAT ASSY. 190 DEG. OPENING TEMP.; USE: 23532436	NS																	
	23532436	KIT, THERMOSTAT W/ SEAL 190 DEG	2																	
	05.2B060	SEAL, THERMOSTAT																		
1:2	05132155	SEAL	2																	
	23509514	SEAL FLANGE	AR																	
	05.2B120	COVER, THERMOSTAT HOUSING																		
2:1	05136240	PLUG CAP .42" DIA. (2.2001)	1																	
	08924140	DRAINCOCK, 1/4" (12.9510)	1																	
1:1,2:7	08929728	COVER	1																	
2:2	23505050	BOLT, M10 X 1.5 X 85	4																	
2:3	23511572	PLUG, 1/2" NPTF SQ. SOC. (12.9550)	2																	
2:4	23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	2																	

DETROIT DIESEL

SERIES 60

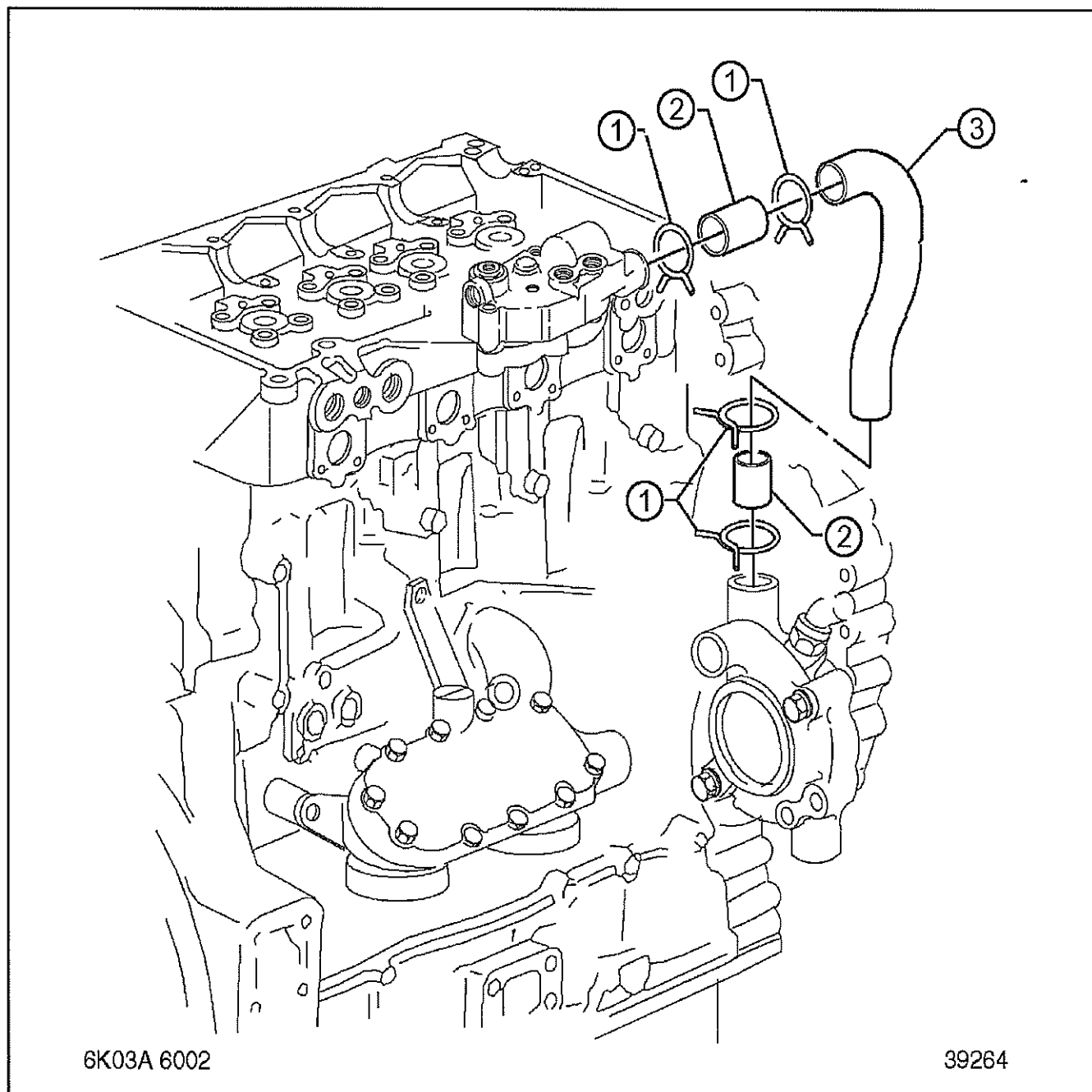


FIG 1 of 05.2C

05.2C WATER BYPASS TUBE

TYPES

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

05.2C160
1:3 23505898

TUBE, WATER BYPASS
TUBE

4
6
4
1

05.2C165
1:2 08929875

HOSE, WATER BYPASS TUBE
HOSE, 1 3/4" X 3.25"

2

05.2C190
1:1 23505048

CLIP, WATER BYPASS TUBE
CLAMP, 2"-2 1/2" DIA. HOSE

4

DETROIT DIESEL

SERIES 60

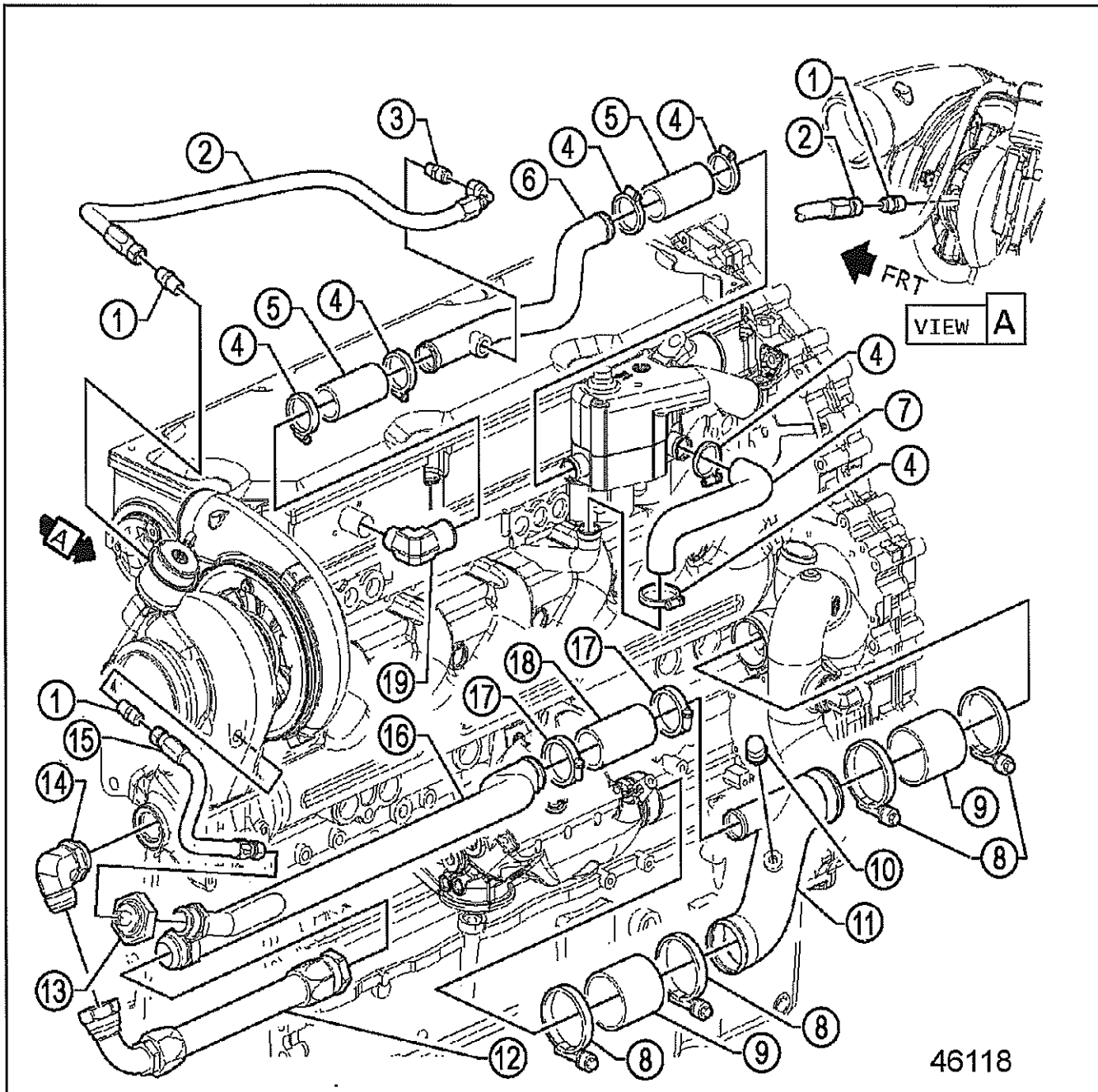


FIG 1 of 05.3B

DETROIT DIESEL

SERIES 60

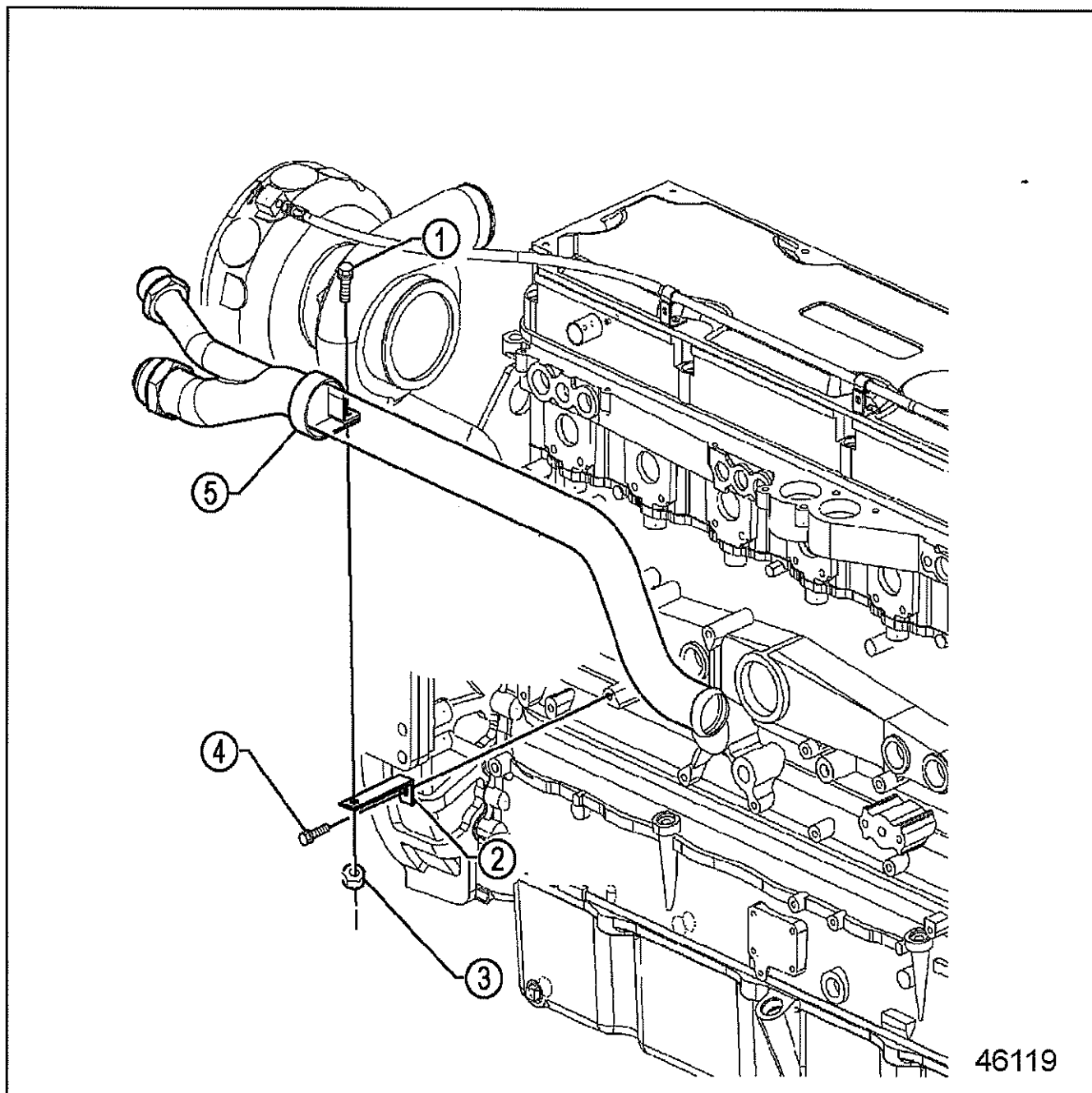


FIG 2 of 05.3B

05.3B WATER CONNECTIONS

TYPES

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

05.3B400

23505899

TUBE, WATER PUMP TO OIL COOLER
TUBE (FOR HI & MED MT. TURBO)

4
5
9

1

05.3B401

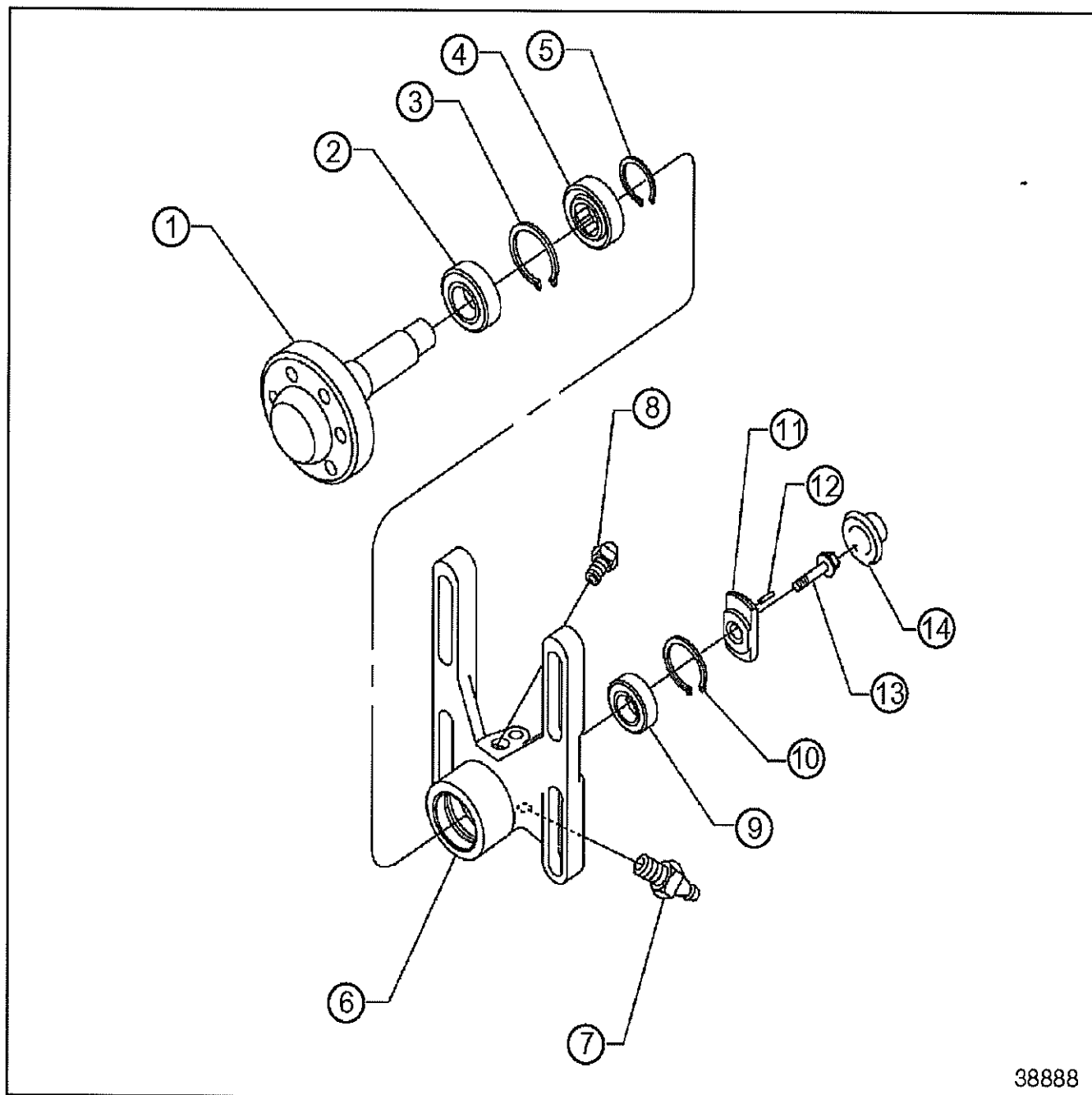
23520688

HOSE, WATER PUMP TO OIL COOLER
KIT, CLAMP TYPE E 3.125 NOM HOSE OD

1

DETROIT DIESEL

SERIES 60



38888

FIG 1 of 05.4A

DETROIT DIESEL

SERIES 60

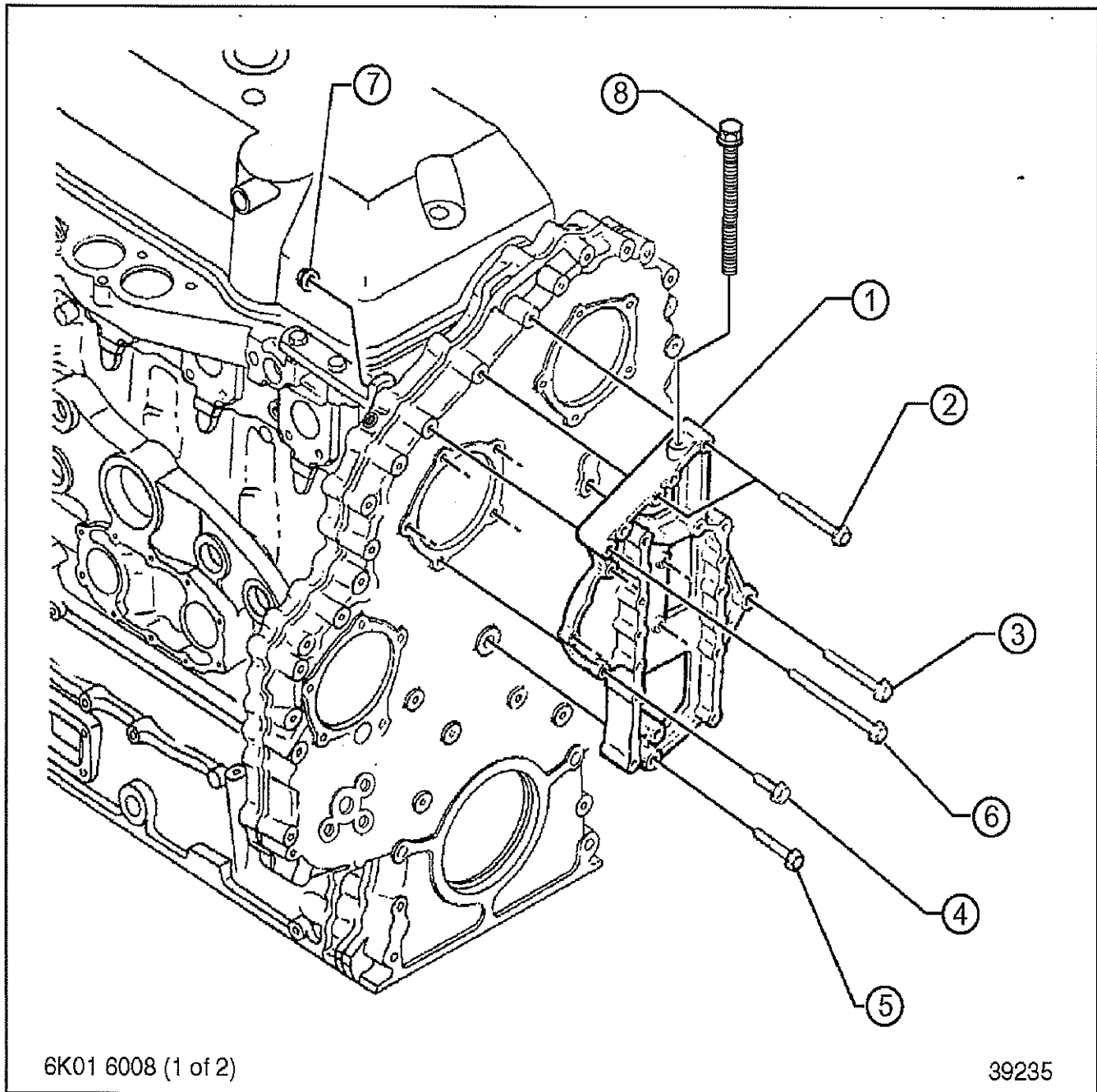
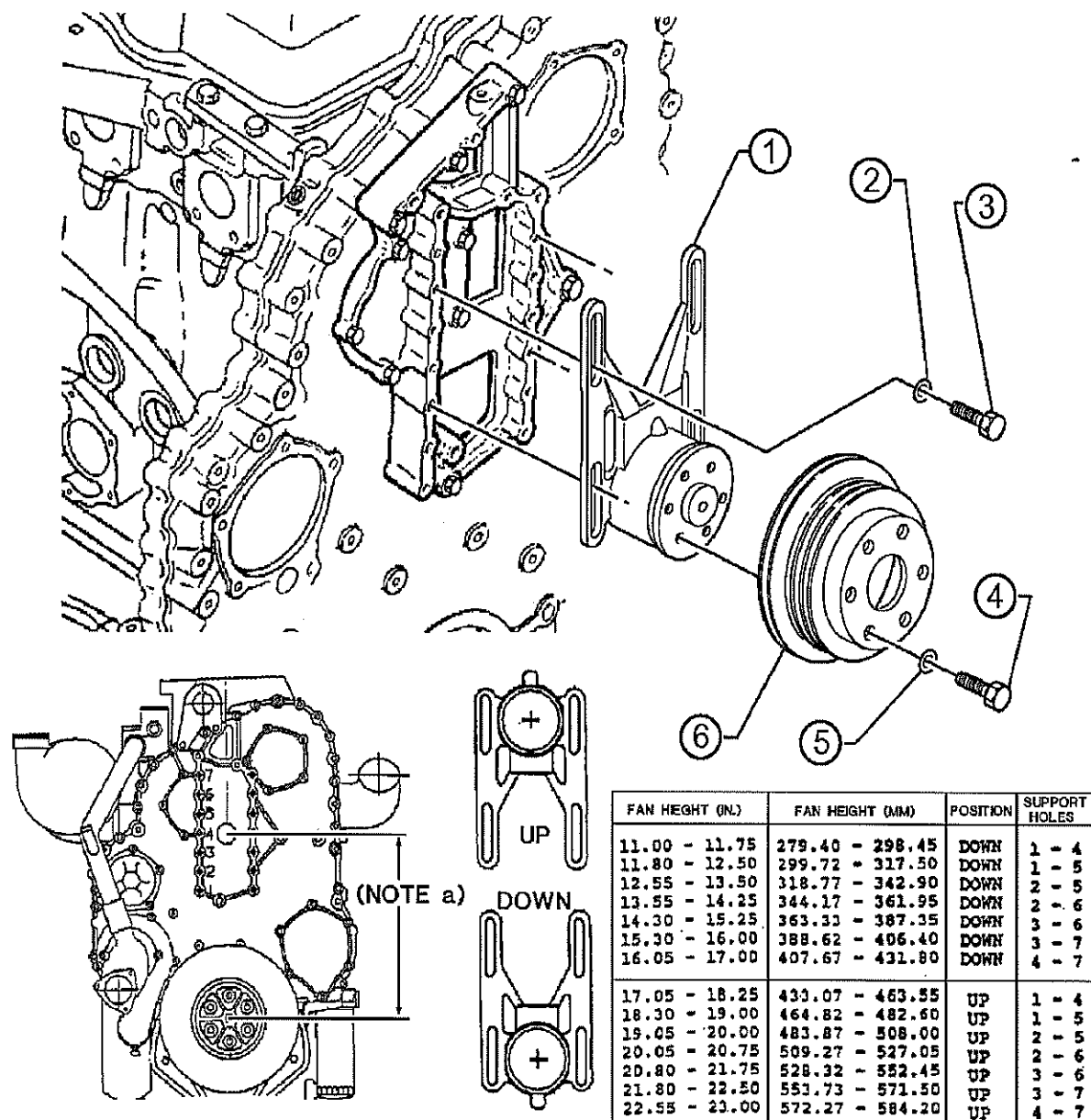


FIG 2 of 05.4A

DETROIT DIESEL

SERIES 60



6K01 6008 (2 of 2)

39236

FIG 3 of 05.4A

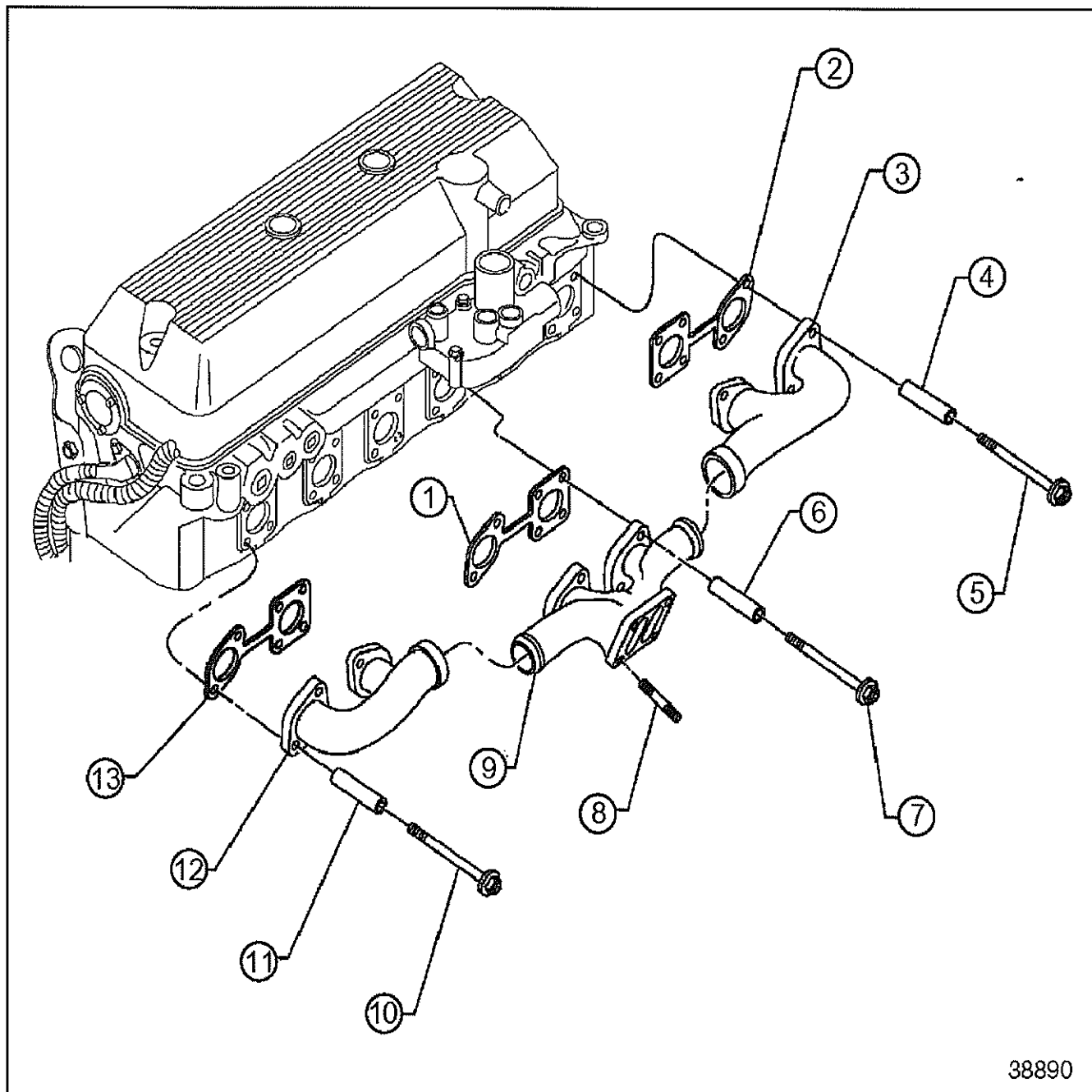
				TYPES									
05.4A FAN													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	6	8	2						
	05.4A010	BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED											
	NPN	(CUSTOMER FURNISHED)BLADE	1										
	05.4A015	PULLEY AND HUB ASSY., FAN											
1:5	08929169	WASHER (12.9190)	6										
1:6	08929218	PULLEY, FAN 3 GROOVE 203.0, 1 GROOVE 254.0	1										
2:8	08929585	BOLT, M10 X 1.5 X 380.0 (12.9001)	1										
1:4	09409036	BOLT, 3/8"-24 X 1.125" (12.9001)	6										
	05.4A025	SUPPORT, FAN MOUNTING											
2:4	11504822	BOLT, M8 X 1.25 X 30	5										
2:2	11509525	BOLT, M10 X 1.5 X 110 MM	2										
2:5	11509531	BOLT, M14 X 2.0 X 60 MM	1										
2:3	11509533	BOLT, M14 X 2.0 X 100 MM	1										
2:6	11513960	BOLT, M10 X 1.5 X 145 MM	1										
2:1	23511356	SUPPORT, W/UPR RT BOLT BOSS	1										
	05.4A102	SPINDLE ASSY., FAN DRIVE											
		<i>A SPINDLE ASSY. INCLUDES ITEMS IN 5.4102, 5.4103, 5.4111 AND 5.4160.</i>											
	00271283	FITTING, 45 DEG.-1/8" GREASE (12.9540)	1										
	00455322	FITTING, 1/8" VENT (12.9540)	1										
	00455734	PIN, SPRING 1/8" X 3/4" (12.9300)	1										
1:2	05131978	WASHER, .53 X 1.00 (1.5001)	4										
	08929214	WASHER	1										
1:1	08929538	SPINDLE ASSY.	1										
	00271283	FITTING, 45 DEG.-1/8" GREASE (12.9540)	1										
	00455322	FITTING, 1/8" VENT (12.9540)	1										
	08929214	WASHER	1										
	08920419	BOLT, M10X1.5"X45.0" SPECIAL (1.2070)	1										
	08929215	PLATE	1										
	23518178	BRG BALL ALT DRIV HEAT STABILIZED S60	1										
	08929063	RING, INT RETAINING 3.734" O.D. (12.4048)	1										
	08929064	RING, INT RETAINING 3.121" O.D. (12.4048)	1										
	08929216	RING, INT RETAINING 1.618" O.D. (5.4111)	1										
	08929820	BEARING, ROLLER	1										
	08929213	SEAL	1										
1:3	11500944	BOLT, M12X1.75X40.0 MM	4										
	05.4A103	HOUSING, FAN DRIVE SPINDLE											
	08920419	BOLT, M10X1.5"X45.0" SPECIAL (1.2070)	1										
	08929215	PLATE	1										
	05.4A111	BEARING, FAN SPINDLE											
	07451005	BEARING, ROLLER (12.4048)	1										
	08929063	RING, INT RETAINING 3.734" O.D. (12.4048)	1										
	08929064	RING, INT RETAINING 3.121" O.D. (12.4048)	1										
	08929216	RING, INT RETAINING 1.618" O.D. (5.4111)	1										

		05.4A FAN										TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION										ASSY. QTY.									
	05.4A111	BEARING, FAN SPINDLE										1									
	08929530	BEARING, BALL; USE: 23518178										6									
	23506569	BEARING, BALL (OPTIONAL TO 8929530)										8									
	23518178	BRG BALL ALT DRIV HEAT STABILIZED S60										2									
	05.4A160	SEAL, FAN SPINDLE										NS									
1:2	08929213	SEAL										1									
												1									

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

DETROIT DIESEL

SERIES 60



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FIG 1 of 06.1A

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	TYPES									
		06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS		7									
				8									
				4									
	06.1A001	MANIFOLD, EXHAUST											
	23511221	MANIFOLD, 3 PC END FRONT		1									
	23511222	MANIFOLD, 3 PC FRT & REAR END		1									
	23511978	MANIFOLD, 3 PC CENTER SECTION HIGH MOUNT; USE: 23519348		NS									
	23519348	MANIFOLD EXH 3PC CTR SECT HI MT MOLY		1									
	06.1A010	GASKET, EXHAUST MANIFOLD											
	23511666	GASKET, 2 PORT (GRAPHITE); USE: 23533983		NS									
	23533983	GASKET 3PC EXH MANIF SST THERMOGLIDE S60		3									
	06.1A025	BOLT, EXHAUST MANIFOLD TO HEAD											
	08929357	BOLT, M10 X 1.5 X 120 (12.9001)		7									
	23511667	SPACER		12									
	06.1A171	HEAT SHIELD, EXHAUST MANIFOLD											
	11506101	NUT, M10 X 1.5		5									
	23509744	STUD, BOLT M10X1.5X120.0		5									
	23519124	SHIELD HEAT EXH MANIFOLD RR		1									
	23520972	HEAT SHIELD EXH MANIF FRT		1									
	23528915	STUD, M10 1.5 X 62.5		4									

DETROIT DIESEL

SERIES 60

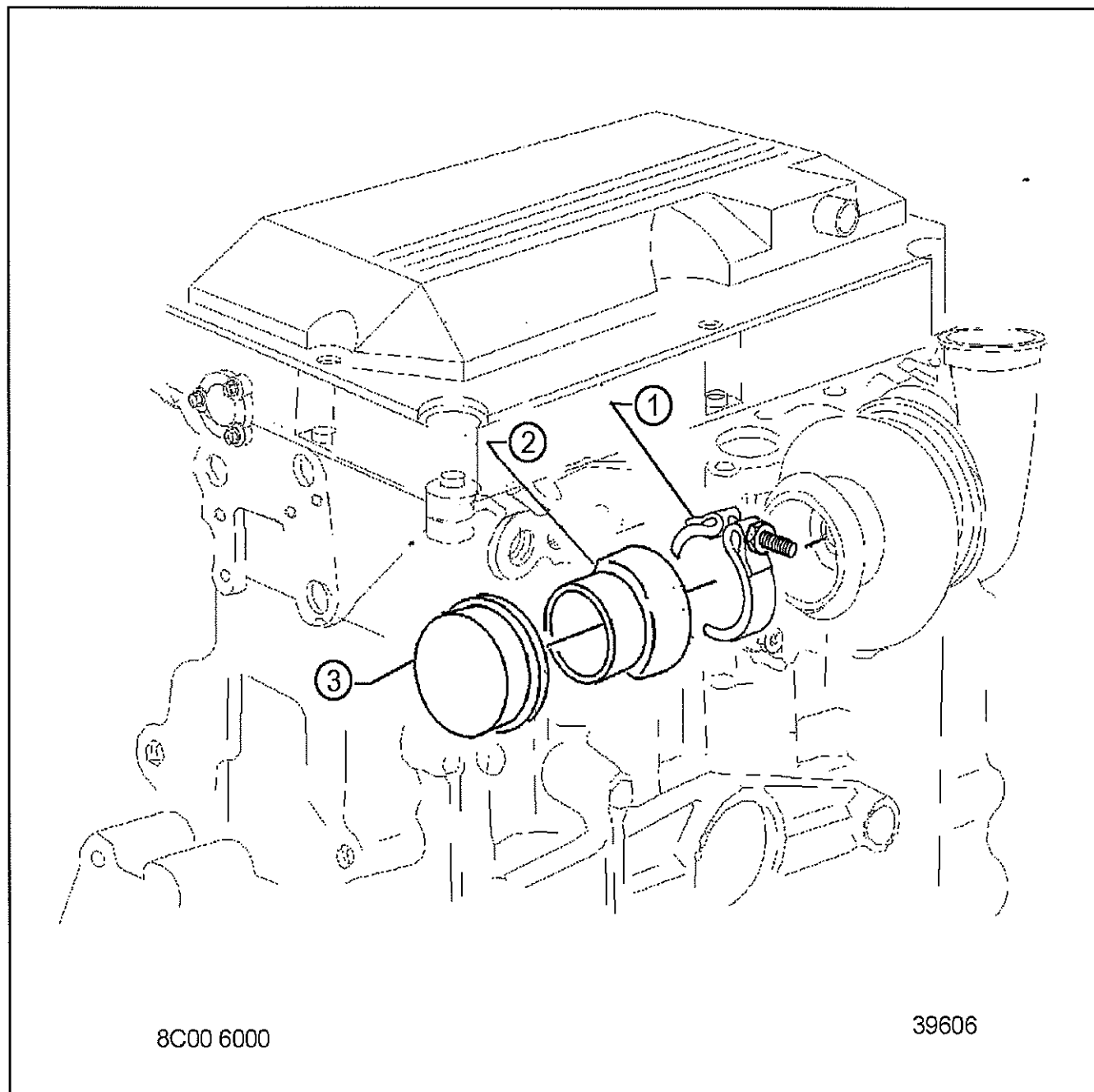


FIG 1 of 06.2A

2-126

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

		TYPES										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.									
				2	5	9	7					
		07.1A BATTERY, CHARGING GENERATOR										
	07.1A001	GENERATOR ASSY.										
	00103323	LOCKWASHER, 1/2"		2								
	09427945	BOLT, 1/2"-13 X 6.25" (12.9001)		1								
	19010182	GEN CHRQ AC 24V70A NG CW/CCW 21SI		1								
	R0459110	ALTERNATOR, 24V 70A 21SI (REMANUFACTURED)		AR								
	07.1A500	PULLEY, GENERATOR										
	00102637	NUT, 1/2"-13		1								
	05140070	PULLEY, 3.66" DIA, 2 GRVS .500" WIDE		1								
	07.1A575	BELT, GENERATOR DRIVE										
	23517835	BELT .500 X 53.00 PREM HI CAP		1								
	07.1A580	STRAP, GENERATOR ADJUSTING										
	00103345	WASHER, 5/8"		2								
	00442733	BOLT, 1/2"-13 X 1.25" (12.9001)		1								
	11501055	NUT, M16X2.0		2								
	11506101	NUT, M10 X 1.5		1								
	11509526	BOLT, M10 X 1.5 X 130 MM		1								
	23511669	LINK, ADJUSTING ROD		1								
	23515862	TUBE CONVOLUTED .625 DIA. X 6 INCHES LENGTH W/SLIT		1								
	23519910	ROD, ADJ M16 X 2.0 X 265.0 L.		1								
	23528167	SPACER ALTERNATOR S60		1								
	07.1A595	BRACKET, GENERATOR MOUNTING										
	05132715	WASHER, .53"X.94"X.12" (1.3140)		3								
	23521122	BRACKET ALTNTR LOW MT S50 TRK&INDST		1								
	23521131	NUT M10 HEX FLANGE		2								
	23521132	BOLT M10 1.5 X 140.0 FLG HEX HD CTD S60		2								

DETROIT DIESEL

SERIES 60

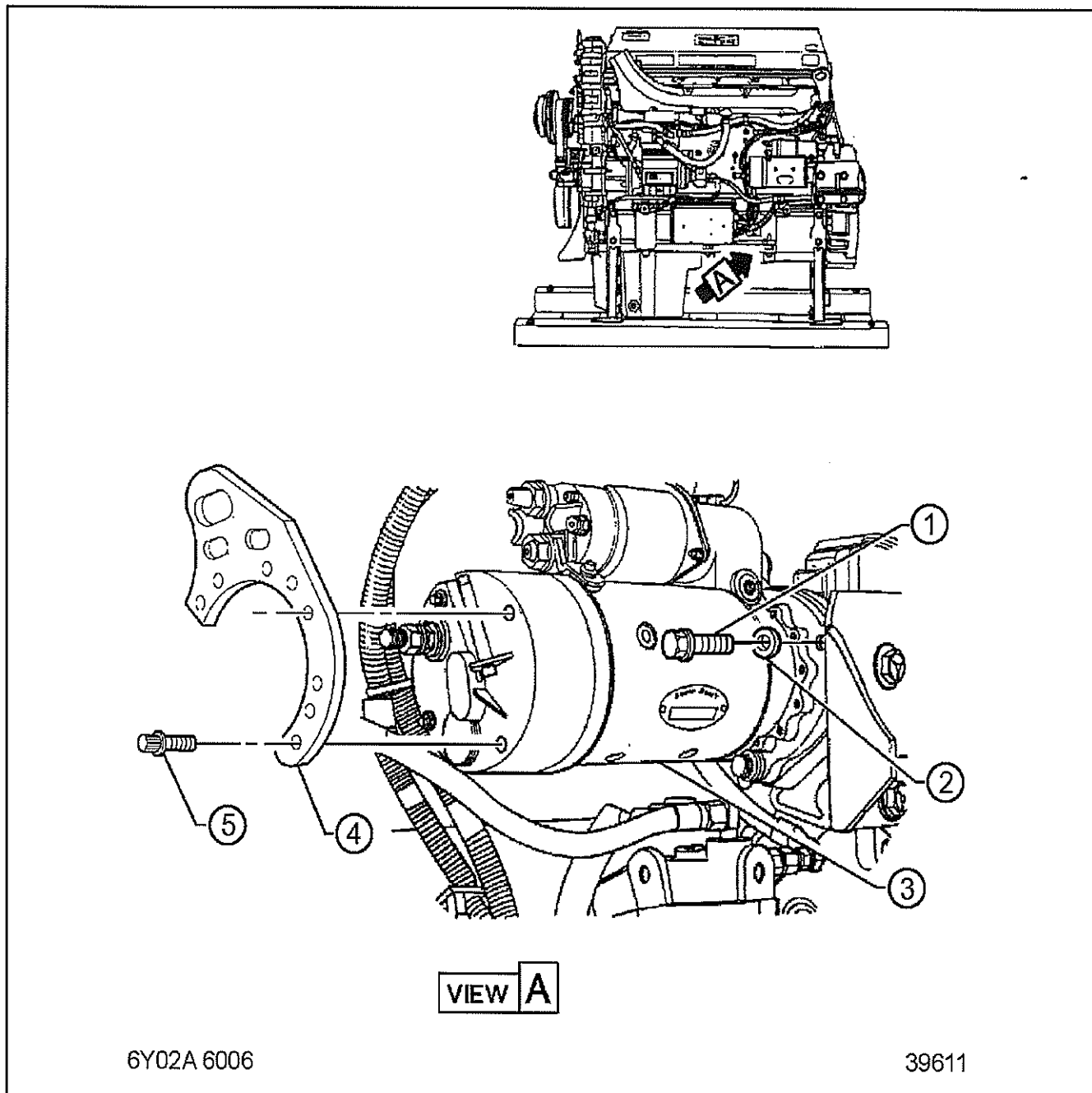


FIG 1 of 07.3A

07.3A STARTING MOTOR

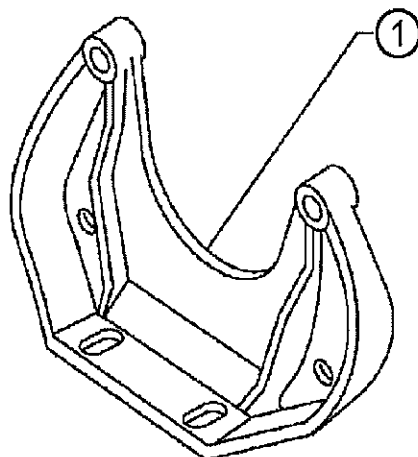
TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.																	
	07.3A001	MOTOR ASSY., STARTING		3																
				5																
1:2	00103325	LOCKWASHER, 5/8"		3																
1:1	09439720	BOLT, 5/8"-11X2 1/4" (12PT.) (12.9005)		3																
1:3	10478980	MOTOR ASSY. (24V. CW. INSUL. 42MT)		1																
	R0461128	MOTOR ASSY., 24V 42MT (REMANUFACTURED)		AR																

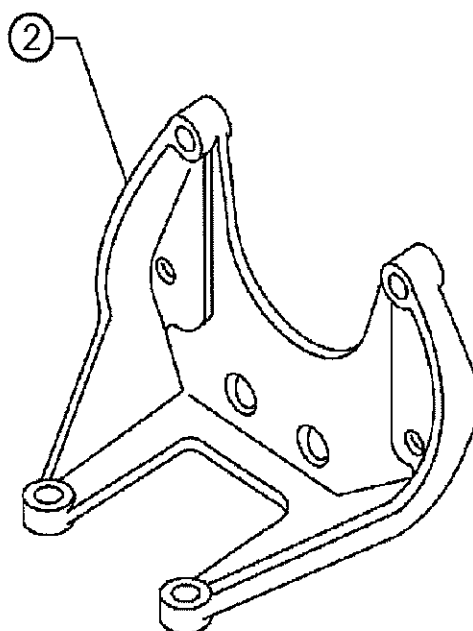
- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

DETROIT DIESEL

SERIES 60



ITEM 1



ITEM 2

38891

FIG 1 of 11.1A

DETROIT DIESEL

SERIES 60

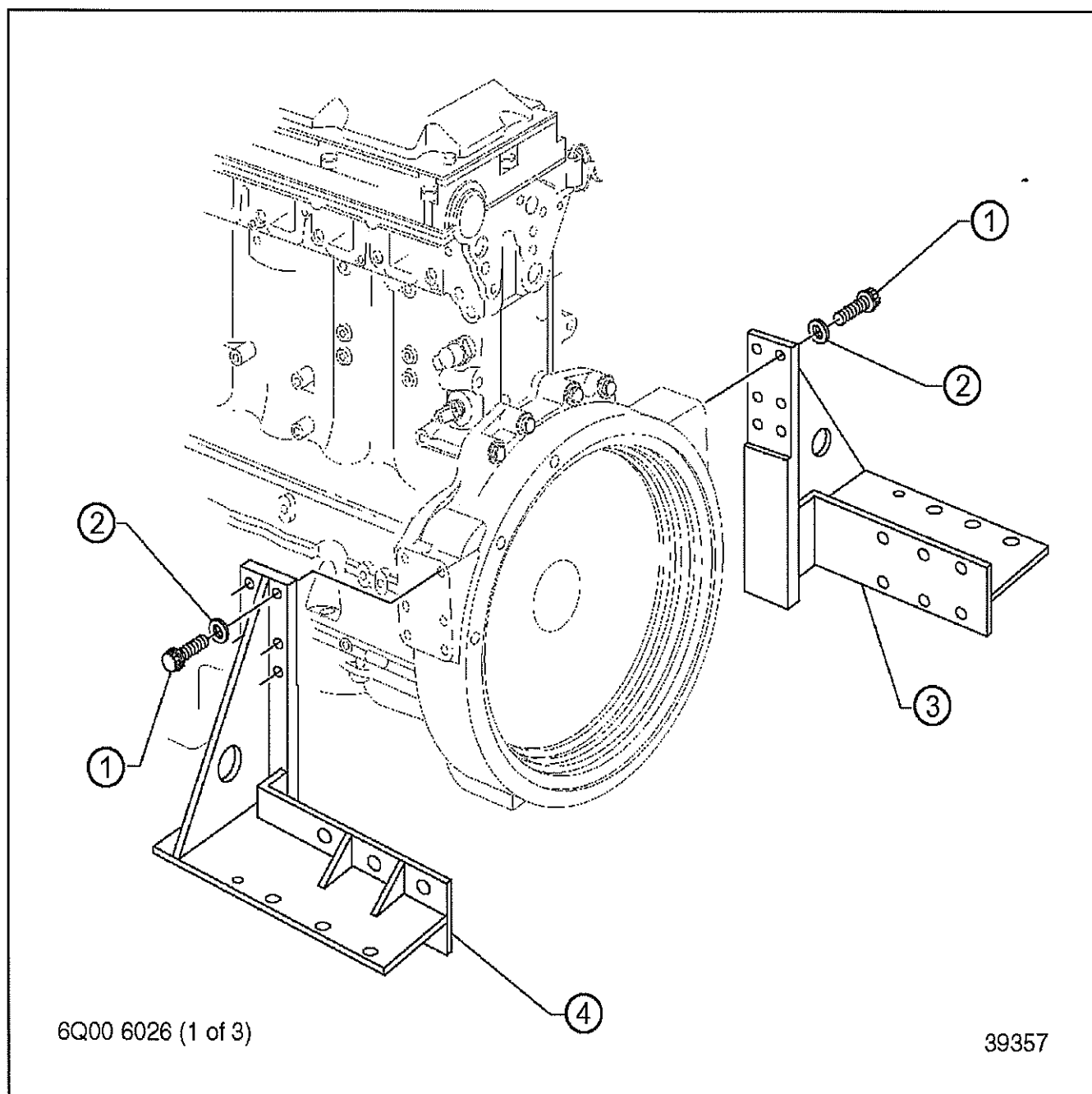


FIG 2 of 11.1A

DETROIT DIESEL

SERIES 60

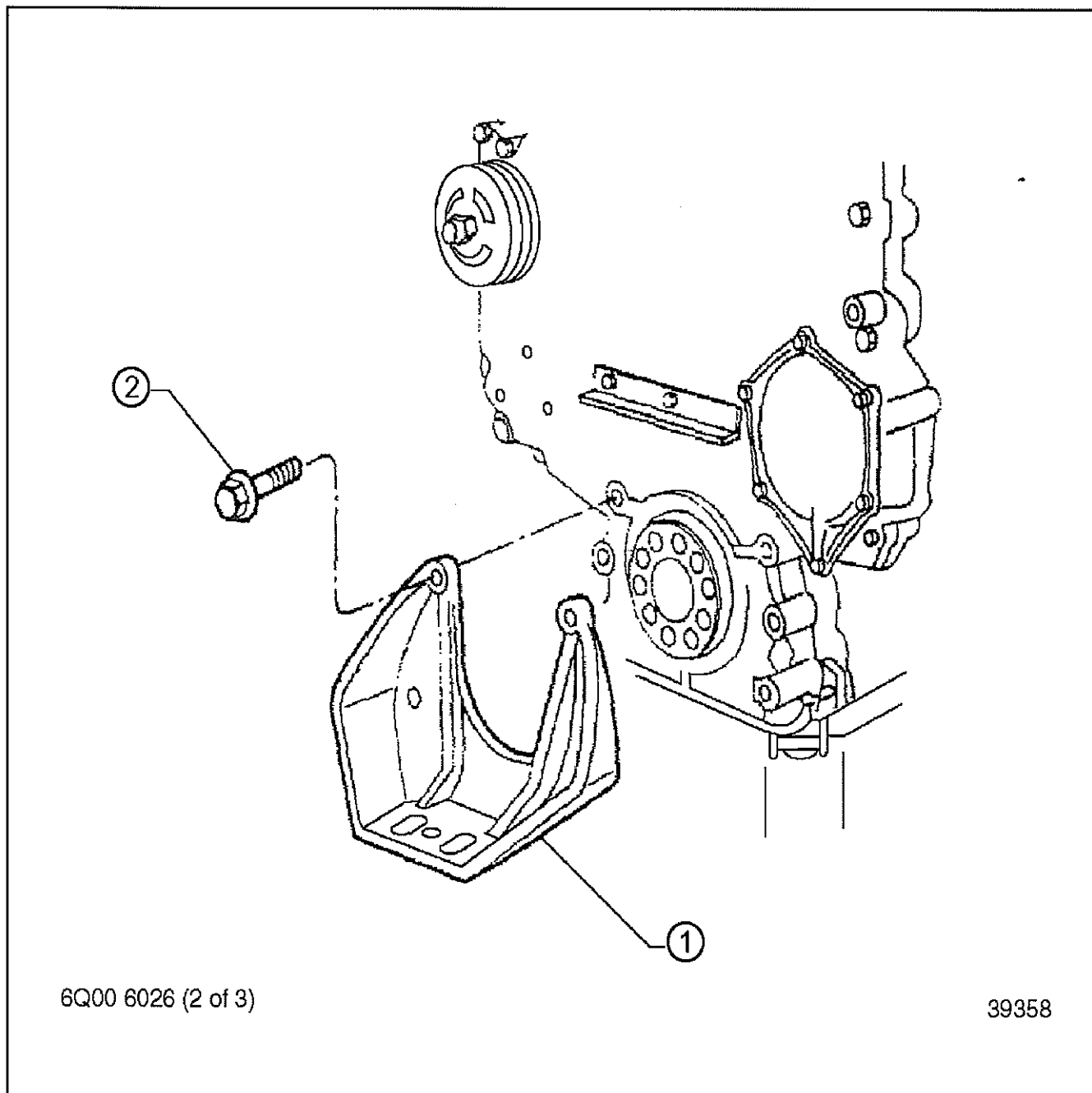


FIG 3 of 11.1A

11.1A ENGINE MOUNTING AND BASE

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	6	8	3														
	11.1A070	SUPPORT, ENGINE FRONT																		
	08929068	BOLT, M14 X 2.0 X 140 (12.9001)		4																
1:1	08929744	SUPPORT (WEST COAST) ITEM 1		1																
	11509528	BOLT, M12 X 1.75 X 30 MM		7																
	23528218	STAND, ENGINE SUPPORT		2																

- 00 ENGINE ASSEMBLIES**
 - 00.1 ENGINE ASSEMBLY, REMAN
- 01 ENGINE (LESS MAJOR ASSEMBLIES)**
 - 01.1 CYLINDER BLOCK
 - 01.2 CYLINDER HEAD
 - 01.2A ENGINE LIFTER BRACKET
 - 01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS
 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.3C CRANKSHAFT PULLEY
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 01.7 CAMSHAFT AND GEAR TRAIN
 - 01.8 VALVE AND INJECTOR OPERATING MECHANISM
 - 01.8A ROCKER COVER
- 02 FUEL SYSTEM**
 - 02.1A FUEL INJECTOR/CNG CONTROLS
 - 02.1B INJECTOR, CONTROLS ELECTRONIC
 - 02.2 FUEL PUMP
 - 02.3A FUEL FILTER AND STRAINER
 - 02.5A FUEL LINES AND FUEL COOLER
- 03 AIR SYSTEM**
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.1B OIL DISTRIBUTION SYSTEM
 - 04.1C OIL, PRESSURE REGULATOR
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 04.5A OIL, FILLER
 - 04.6A DIPSTICK
 - 04.7A OIL PAN
 - 04.8A VENTILATING SYSTEM
- 05 COOLING SYSTEM**
 - 05.1 FRESH WATER PUMP
 - 05.2B THERMOSTAT
 - 05.2C WATER BYPASS TUBE
 - 05.3B WATER CONNECTIONS
 - 05.4A FAN
- 06 EXHAUST SYSTEM**
 - 06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS
 - 06.2A EXHAUST MUFFLER AND/OR CONNECTIONS
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR
- 11 ENGINE MOUNTING**
 - 11.1A ENGINE MOUNTING AND BASE
- 12 MISCELLANEOUS**
 - 12.8A SUPPLIES/MAINTENANCE PRODUCTS
 - 12.8C SERVICE KITS AND SETS
 - 12.8D MISCELLANEOUS SERVICE PARTS

12.8A SUPPLIES/MAINTENANCE PRODUCTS

All information subject to change without notice.

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
12.8A006		FUEL SYSTEM PRODUCTS	
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23517428	HEATER, FUEL PRO 380 24V	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
	23516639	KIT, FUEL PRO 380E NO HEAT W/O DIVERter CAP	AR
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
	23521060	HEATER, FUEL PRO 380EE 120V	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
	23516640	KIT, FUEL PRO 380E 12V HEAT W/O DIVERter CAP	AR
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
	23521060	HEATER, FUEL PRO 380EE 120V	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
	23516641	KIT, FUEL PRO 380E 24V HEAT W/O DIVERter CAP	AR
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

12.8A006

FUEL SYSTEM PRODUCTS

23518327	VALVE ASSY., DRAIN FUEL PRO 380	1	
23519934	STUD, 13/16"-12, 7/8"-14	1	
23519936	CAP, FUEL PRO 380	NS	
23519944	VALVE, CHECK THERM CONTROL INLET (23	1	
23521060	HEATER, FUEL PRO 380EE 120V	1	
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1	
23514043	KIT, W/CAP & SEAL RING	1	
23516731	WRENCH, COLLAR FUEL PRO 380/382 (REMOVAL ONLY)		AR
23518168	ELEMENT PRIMARY 30 MICRN SEAPRO 300; USE: 23532244		NS
23518360	KIT, 12V HEATER UPGRADE (LONG CAN)		AR
23518361	KIT, 24V HEATER UPGRADE (LONG CAN)		AR
23519116	CAP ASSY., DIVERTER 13/16"-12, 3.225" SEAL ID		AR
23519235	KIT, FUEL PRO 380E 12V HEAT W/DIVERTER CAPNOT SER.USE 23523592 PROCSR ASSY.& 23519116 CAP		AR
23514047	PROCESSOR ASSY., FUEL PRO 380 12V HEA	1	
23516794	BRACKET, FUEL PRO 380 MOUNT	1	
23516795	U-BOLT, FUEL PRO 380	2	
23516796	U-CLAMP ASSY., FUEL PRO 380	2	
23516797	WIRE HARNESS, FUEL PRO 380	1	
23519116	CAP ASSY., DIVERTER 13/16"-12, 3.225" SEAL	1	
23519236	KIT, FUEL PRO 380E 24V HEAT W/DIVERTER CAPNOT SER.USE 23523593 PROCSR ASSY.& 23519116 CAP		AR
23516638	PROCESSOR ASSY., FUEL PRO 380 24V HEA	1	
23516794	BRACKET, FUEL PRO 380 MOUNT	1	
23516795	U-BOLT, FUEL PRO 380	2	
23516796	U-CLAMP ASSY., FUEL PRO 380	2	
23516797	WIRE HARNESS, FUEL PRO 380	1	
23519116	CAP ASSY., DIVERTER 13/16"-12, 3.225" SEAL	1	
23519237	KIT, FUEL PRO 380E NO HEAT W/DIVERTER CAPNOT SER.USE 23523140 PROCSR ASSY.& 23519116 CAP		AR
23515125	PROCESSOR ASSY., FUEL PRO 380 NO HEA	1	
23516794	BRACKET, FUEL PRO 380 MOUNT	1	
23516795	U-BOLT, FUEL PRO 380	2	
23516796	U-CLAMP ASSY., FUEL PRO 380	2	
23519116	CAP ASSY., DIVERTER 13/16"-12, 3.225" SEAL	1	
23519238	KIT, FUEL PRO 380E 12V HEAT CHROME W/DIVERTER CAP		AR
23516795	U-BOLT, FUEL PRO 380	2	
23516796	U-CLAMP ASSY., FUEL PRO 380	2	
23519116	CAP ASSY., DIVERTER 13/16"-12, 3.225" SEAL	1	
23516794	BRACKET, FUEL PRO 380 MOUNT	1	
23519956	PROCESSOR ASSY., FUEL PRO 380 NO HEA	1	
23519239	KIT, FUEL PRO 380F 12V W/O DIVERTER CAPNOT SER. USE 23523574 PROCESSOR ASSY.		AR
23514051	KIT, W/CAP & BOWL O-RINGS	1	
23514060	SPRING, FUEL PRO 380	1	
23514061	COLLAR, FUEL PRO 380	1	
23519934	STUD, 13/16"-12, 7/8"-14	1	
23519936	CAP, FUEL PRO 380	NS	
23519944	VALVE, CHECK THERM CONTROL INLET (23	1	
23514048	COVER, CLEAR FUEL PRO 380	1	

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
12.8A006		FUEL SYSTEM PRODUCTS	
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23521060	HEATER, FUEL PRO 380EE 120V	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
23519724		PROCESSOR ASSY., FUEL PRO 380 24V W/FLUID HEATNOT SER.USE 23523575 PROCESSOR ASSY.	AR
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23517428	HEATER, FUEL PRO 380 24V	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
23519725		KIT, FUEL PRO 380 24V FLUID HEAT W/O DIVERter CAPNOT SER. USE 23523575 PROCESSOR ASSY.	AR
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
	23521060	HEATER, FUEL PRO 380EE 120V	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23514043	KIT, W/CAP & SEAL RING	1
23519778		KIT FUEL PRO 380 12V/120V HEAT W/DIVERter CAP	AR
	23516796	U-CLAMP ASSY., FUEL PRO 380	2
	23516797	WIRE HARNESS, FUEL PRO 380	1
	23519116	CAP ASSY., DIVERter 13/16"-12, 3.225" SEAL	1
	23519958	CIRCUIT BREAKER, FUEL PRO 380	1
	23519959	TERMINAL, BUTT SPLICE FUEL PRO 380	1
	23520907	PROCESSOR ASSY. FUEL PRO 380 12V/120V	1
	23516794	BRACKET, FUEL PRO 380 MOUNT	1
	23516795	U-BOLT, FUEL PRO 380	2
	23521068	CORD, ELEC. HEATER	1
23519956		PROCESSOR ASSY., FUEL PRO 380 NO HEAT CHROMENOT SER. USE 23523140 ASSY.	AR
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
12.8A006		FUEL SYSTEM PRODUCTS	
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519943	VALVE, CHECK INLET (23519966)	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
	23519957	PROCESSOR ASSY., FUEL PRO 380 12V W/FLUID HEATNOT SER. USE 23523574 PROCESSOR ASSY.	
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23517428	HEATER, FUEL PRO 380 24V	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23514043	KIT, W/CAP & SEAL RING	1
	23520047	FILTER ASSY.PRIMARY 30 MICRON SEA PRO 150; USE: 23525527	NS
	23520907	PROCESSOR ASSY. FUEL PRO 380 12V/120V HEAT	AR
	23514043	KIT, W/CAP & SEAL RING	1
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23517425	HARNESS, FUEL PRO 380 12V/24V	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23519944	VALVE, CHECK THERM CONTROL INLET (23	1
	23521060	HEATER, FUEL PRO 380EE 120V	1
	23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
	23521049	PROCESSOR ASSY., FUEL PRO 380 12V W/GROUND; USE: 23533855	NS
	23514048	COVER, CLEAR FUEL PRO 380	1
	23514049	ELEMENT & GROMMET ASSY. 380	NS
	23514051	KIT, W/CAP & BOWL O-RINGS	1
	23514060	SPRING, FUEL PRO 380	1
	23514061	COLLAR, FUEL PRO 380	1
	23519934	STUD, 13/16"-12, 7/8"-14	1
	23519936	CAP, FUEL PRO 380	NS
	23521061	HARNESS, FUEL PRO 380 12V GROUNDED	1
	23517426	KIT, W/THERMOSWITCH & TY-RAP	1
	23517427	HEATER, FUEL PRO 380 12V	1

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
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12.8A006

FUEL SYSTEM PRODUCTS

23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
23521064	VALVE, CHECK THERM CONTROL W/GRD I	1
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23514043	KIT, W/CAP & SEAL RING	1
23521056	PROCESSOR ASSY., FUEL PRO 380 12V HEAT W/IF SENSOR; USE: 23523595	NS
23514048	COVER, CLEAR FUEL PRO 380	1
23514049	ELEMENT & GROMMET ASSY. 380	NS
23514051	KIT, W/CAP & BOWL O-RINGS	1
23517426	KIT, W/THERMOSWITCH & TY-RAP	1
23518327	VALVE ASSY., DRAIN FUEL PRO 380	1
23519934	STUD, 13/16"-12, 7/8"-14	1
23521065	HARNESS, FUEL PRO 380E W/IF SENSOR	1
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23514043	KIT, W/CAP & SEAL RING	1
23514060	SPRING, FUEL PRO 380	1
23514061	COLLAR, FUEL PRO 380	1
23517425	HARNESS, FUEL PRO 380 12V/24V	1
23519936	CAP, FUEL PRO 380	NS
23519944	VALVE, CHECK THERM CONTROL INLET (23	1
23521062	SENSOR, WATER IN FUEL	1
23523138	PROCESSOR ASSY FUEL PRO 382 FLUID HEAT	AR
23514043	KIT, W/CAP & SEAL RING	1
23514048	COVER, CLEAR FUEL PRO 380	1
23514060	SPRING, FUEL PRO 380	1
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1
23533816	CARTRIDGE ELEMEX S60 2004	AR
23514061	COLLAR, FUEL PRO 380	2
23518326	KIT, CHECK VALVE REPAIR INLET	1
23519934	STUD, 13/16"-12, 7/8"-14	1
23523590	PLATE ASSY., BOTTOM FLUID NO HEAT W/SE	1
23524657	SEAL, O-RING BOTTOM PLATE 382	1
23529168	KIT, ELEMENT & GROMMET ASSY. W/SE	NS
23523139	PROCESSOR ASSY FUEL PRO 382 FLUID HEAT W/ 120V; USE: 23533576	NS
23514043	KIT, W/CAP & SEAL RING	1
23514048	COVER, CLEAR FUEL PRO 380	1
23514060	SPRING, FUEL PRO 380	1
23514061	COLLAR, FUEL PRO 380	2
23518326	KIT, CHECK VALVE REPAIR INLET	1
23519934	STUD, 13/16"-12, 7/8"-14	1
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23524657	SEAL, O-RING BOTTOM PLATE 382	1
23529168	KIT, ELEMENT & GROMMET ASSY. W/SE	NS
23533816	CARTRIDGE ELEMEX S60 2004	AR
23523581	HEATER 120V/37W	1
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1
23523590	PLATE ASSY., BOTTOM FLUID NO HEAT W/SE	1
23523140	PROCESSOR ASSY. FUEL PRO 382 NO HEAT W/INTEGRAL BRKT; USE: 23533853	NS
23518393	VALVE, CHECK BODY FUEL PRO 380/382/321	1

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
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12.8A006

FUEL SYSTEM PRODUCTS

23514043	KIT, W/CAP & SEAL RING	1
23514048	COVER, CLEAR FUEL PRO 380	1
23519934	STUD, 13/16"-12, 7/8"-14	1
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23529168	KIT, ELEMENT & GROMMET ASSY. W/SEAL	NS
23533816	CARTRIDGE ELEMEX S60 2004	AR
23514060	SPRING, FUEL PRO 380	1
23514061	COLLAR, FUEL PRO 380	2
23518326	KIT, CHECK VALVE REPAIR INLET	1
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1
23523589	PLATE ASSY.,BOTTOM NO HEAT W/SEAL RI	1
23524657	SEAL, O-RING BOTTOM PLATE 382	1
23523574	PROCESSOR ASSY.FUELPRO 382 FLUID W/12V PREHEATER; USE: 23533573	NS
23514043	KIT, W/CAP & SEAL RING	1
23514048	COVER, CLEAR FUEL PRO 380	1
23514060	SPRING, FUEL PRO 380	1
23514061	COLLAR, FUEL PRO 380	2
23518326	KIT, CHECK VALVE REPAIR INLET	1
23519934	STUD, 13/16"-12, 7/8"-14	1
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1
23523583	HARNESS 2-WAY W/P CHASSIS	1
23523585	THERMOSWITCH, 12V	1
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1
23533816	CARTRIDGE ELEMEX S60 2004	AR
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23523579	HEATER, 12V-250W WITH WEATHERPACK	1
23523582	HARNESS, HEATER/THERMO 12/24V	1
23523590	PLATE ASSY.,BOTTOM FLUID NO HEAT W/SE	1
23524657	SEAL, O-RING BOTTOM PLATE 382	1
23529168	KIT, ELEMENT & GROMMET ASSY. W/SEAL	NS
23523575	PROCESSOR ASSY FUELPRO 382 FLUID W/24V PREHEATER; USE: 23533574	NS
23514043	KIT, W/CAP & SEAL RING	1
23514048	COVER, CLEAR FUEL PRO 380	1
23514060	SPRING, FUEL PRO 380	1
23514061	COLLAR, FUEL PRO 380	2
23518326	KIT, CHECK VALVE REPAIR INLET	1
23523580	HEATER, 24V 250W WITH WEATHERPACK	1
23523582	HARNESS, HEATER/THERMO 12/24V	1
23523583	HARNESS 2-WAY W/P CHASSIS	1
23519934	STUD, 13/16"-12, 7/8"-14	1
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1
23523586	THERMOSWITCH, 24V	1
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1
23523590	PLATE ASSY.,BOTTOM FLUID NO HEAT W/SE	1
23524657	SEAL, O-RING BOTTOM PLATE 382	1
23529168	KIT, ELEMENT & GROMMET ASSY. W/SEAL	NS
23533816	CARTRIDGE ELEMEX S60 2004	AR
23523592	PROCESSOR ASSY.FUELPRO 382 NO HEAT W/12V PREHEATER; USE: 23533855	NS
23518393	VALVE, CHECK BODY FUEL PRO 380/382/321	1
23527058	KIT, THERMOSWITCH W/HARNESS 12V 382	1

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTSFIG
REF.

PART NO.

NAME AND DESCRIPTION

ASSY.
QTY.

12.8A006

FUEL SYSTEM PRODUCTS

23514043	KIT, W/CAP & SEAL RING	1	A
23518326	KIT, CHECK VALVE REPAIR INLET	1	
23519934	STUD, 13/16"-12, 7/8"-14	1	
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1	
23523583	HARNESS 2-WAY W/P CHASSIS	1	
23523585	THERMOSWITCH, 12V	1	
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1	
23533816	CARTRIDGE ELEMEX S60 2004	1	
23514048	COVER, CLEAR FUEL PRO 380	1	
23514060	SPRING, FUEL PRO 380	1	
23514061	COLLAR, FUEL PRO 380	2	
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1	
23523579	HEATER, 12V-250W WITH WEATHERPACK	1	
23523582	HARNESS, HEATER/THERMO 12/24V	1	
23523589	PLATE ASSY., BOTTOM NO HEAT W/SEAL RING	1	
23524657	SEAL, O-RING BOTTOM PLATE 382	1	
23529168	KIT, ELEMENT & GROMMET ASSY. W/SEAL RING	NS	
23523593	PROCESSOR ASSY. FUEL PRO 382 NO HEAT W/24V PREHEATER; USE: 23533581	NS	
23518393	VALVE, CHECK BODY FUEL PRO 380/382/321	1	
23514043	KIT, W/CAP & SEAL RING	1	
23514048	COVER, CLEAR FUEL PRO 380	1	
23514060	SPRING, FUEL PRO 380	1	
23514061	COLLAR, FUEL PRO 380	2	
23521528	KIT, ELEMENT & GROMMET W/SEAL RING	1	
23523580	HEATER, 24V 250W WITH WEATHERPACK	1	
23523582	HARNESS, HEATER/THERMO 12/24V	1	
23523589	PLATE ASSY., BOTTOM NO HEAT W/SEAL RING	1	
23524657	SEAL, O-RING BOTTOM PLATE 382	1	
23529168	KIT, ELEMENT & GROMMET ASSY. W/SEAL RING	NS	
23518326	KIT, CHECK VALVE REPAIR INLET	1	
23519934	STUD, 13/16"-12, 7/8"-14	1	
23519966	HOUSING, CHECK VALVE FUEL PRO 380	1	
23523583	HARNESS 2-WAY W/P CHASSIS	1	
23523586	THERMOSWITCH, 24V	1	
23523587	VALVE, DRAIN 1/2 NPTF MINIBALL	1	
23533816	CARTRIDGE ELEMEX S60 2004	AR	
23523595	PROCESSOR ASSY FUEL PRO 382 12V PREHEAT W/IF	NS	
23525527	FILTER ASSY., 30 MICRON SEA PRO 152 W/O PRIMER PMP	AR	
23528074	ELEMENT, FUEL FILTER 50/60 NATURAL GAS	AR	
	NOT SERVICED, USE 23529393 (WHICH IS SPECIFIC FOR USE IN THE RACOR FFC-113 FUEL FILTER HOUSING-LONG) OR 23529394 (WHICH IS SPECIFIC FOR USE IN THE RACOR FFC-114 FUEL FILTER HOUSING-SHORT).		
23529168	KIT, ELEMENT & GROMMET ASSY. W/SEAL RINGS (ELEMEX) 382/152/511; USE: 23533816	NS	
23532244	FUEL FILTER SPIN-ON 30 MICRON SEA PRO	AR	
23532893	PROCESSOR FUEL 382 12V W/W/IF	NS	
23533573	PROCESSOR FUEL 382 BOLT-ON FLUID HEAT W/12V HTR	NS	
23533574	PROCESSOR 382 BOLT-ON FLUID W/24V PREHEATER	NS	

				TYPES									
12.8A SUPPLIES/MAINTENANCE PRODUCTS				A									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
12.8A006 FUEL SYSTEM PRODUCTS													
	23533576	PROCESSOR FUEL 382 FLUID HEAT W/120V HTR	NS										
	23533580	PROCESSOR FUEL 382 12V PREHEATER WIF	NS										
	23533581	PROCESSOR FUEL 382 BOLT-ON W/24V PREHEATER	NS										
	23533816	CARTRIDGE ELEMEX S60 2004	AR										
	23533843	PROCESSOR FUEL PRO 382 FLUID W/12V HEATER	AR										
	23533844	PROCESSOR FUEL PRO 382 FLUID W/120V HEATER	AR										
	23533845	PROCESSOR FUEL PRO 382 UNHEATED W/12V HEATER	AR										
	23533846	PROCESSOR FUEL PRO 382 UNHEATED W/24V HEATER	AR										
	23533852	PROCESSOR FUEL PRO 382 FLUID W/24V PRE HEATER	AR										
	23533853	PROCESSOR FUEL PRO 382 UNHEATED	AR										
	23533855	PROCESSOR FUEL PRO 382 UNHEATED W/12V HEATER	AR										
	AFC705BTL	FUEL CATALYST ALGAE 8 OZ. BOTTLE	AR										
	AFC705DRM	FUEL CATALYST ALGAE-X 55 GALLON	AR										
	AFC705GAL	FUEL CATALYST ALGAE-X 1 GALLON	AR										
	BPH100	PUSHLOK HOSE 1.00 DIA	AR										
	BPH75	PUSHLOK HOSE 3/4 DIA	AR										
	C120PG	PRESSURE GAUGE	AR										
	DFM001	FLOW METER	AR										
	FF10	FUEL FILTER CARTRIDGE 10 MICRON	AR										
	FF25	FUEL FILTER CARTRIDGE 25 MICRON	AR										
	FF3	FUEL FILTER CARTRIDGE 3 MICRON	AR										
	FR1715115V	PUMP 115V 1000GPH	AR										
	FR1715230V	PUMP 230V 1000GPH	AR										
	FR1730115V	PUMP 115V 2000GPH	AR										
	FR1730230V	PUMP 230V 2000GPH	AR										
	LGX1000	FUEL CONDITIONER ALGAE-X 350 GPH 1/2 IN	AR										
	LGX1500	FUEL CONDITIONER ALGAE-X 350 GPH 3/4 IN	AR										
	LGX200	FUEL CONDITIONER ALGAE-X 25GPH	AR										
	LGX3000	FUEL CONDITIONER ALGAE-X 800GPH	AR										
	LGX400	FUEL CONDITIONER ALGAE-X 90GPH 3/8 IN	AR										
	LGX4000	FUEL CONDITIONER ALGAE-X 1500GPH	AR										
	LGX500	FUEL CONDITIONER ALGAE-X 90GPH 1/2IN NPT	AR										
	LGX5000	FUEL CONDITIONER ALGAE-X 2500GPH	AR										
	MTC1000	MOBILE FUEL TANK CLEANER ALGAE-X	AR										
	MTC2000	MOBILE FUEL TANK CLEANER ALGAE-X	AR										
	N34D1810	COUPLER	AR										
	N5281K21	CLAMP	AR										
	N68185K117	ADAPTOR, FLANGER TUBE	AR										
	N9166K18	GASKET	AR										
	NC640124	COOLER ASSY., OIL	AR										

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
12.8A006		FUEL SYSTEM PRODUCTS	A
	NDD64521	TUBE, OIL COOLER ADAPTOR	AR
	NDD64522	TUBE, OIL COOLER	AR
	NDD64523	TUBE, OIL COOLER TO ENG CLR	AR
	NS60189	BARCKET	AR
	PWSH100	FUEL SUCTION HOSE 1.00IN DIA 25FT LG	AR
	PWSH75	FUEL SUCTION HOSE 3/4IN DIA 25FT LG	AR
	RSG118P0	ROTOR SIGHT GLASS 0.75IN	AR
	RSG118P1	ROTOR SIGHT GLASS 1.00 IN	AR
	TC5296K74	HOSE	AR
	WB10AZ	FUEL FILTER CARTRIDGE WATER BLOCK 10 MICRON	AR
	WB25AZ	FUEL FILTER CARTRIDGE WATER BLOCK 25 MICRON	AR
	WB3AZ	FUEL FILTER CARTRIDGE WATER BLOCK 3 MICRON	AR
	WE2	WATER ELIMINATOR ALGAE-X DOUBLE 7" UNIT	AR
	WEB31	REFILL ALGAE-X WATER ELIMINATOR STORAGE	AR
	WES31	WATER ELIMINATOR ALGAE-X STORAGE TANK MODEL	AR
12.8A025		OIL, ENGINE LUBRICATING	
	000HPKEG	120 LB. KEG MOBILGREASE HP	AR
	0075W90D	400 LB. DRUM MOBILUBE SHC 75W90	AR
	0075W90K	120 LB. KEG MOBILUBE SHC 75W90	AR
	0075W90P	35 LB. PAIL MOBILUBE SHC 75W90	AR
	0080W90D	400 LB. DRUM MOBILUBE HD 80W90	AR
	0080W90K	120 LB. KEG MOBILUBE HD 80W90	AR
	0080W90P	35 LB. PAIL MOBILUBE HD 80W90	AR
	00ATFGAL	1 GAL. PAIL MOBIL MULTI-PURPOSE ATF	AR
	00HPCART	60X14 OZ. CARTRIDGES MOBILGREASE HP	AR
	00HPDRUM	400 LB. DRUM MOBILGREASE HP	AR
	00SHC50D	375 LB. DRUM MOBILTRANS SHC 50	AR
	00SHC50K	120 LB. KEG MOBILTRANS SHC 50	AR
	00SHC50P	35 LB. PAIL MOBILTRANS SHC 50	AR
	080W140D	400 LB. BARREL MOBILUBE SHC 80W140	AR
	080W140K	120 LB. KEG MOBILUBE SHC 80W140	AR
	080W140P	35 LB. PAIL MOBILUBE SHC 80W140	AR
	085W140D	400 LB. DRUM MOBILUBE HD 85W140	AR
	085W140K	120 LB. KEG MOBILUBE HD 85W140	AR
	085W140P	35 LB. PAIL MOBILUBE HD 85W140	AR
	0ATFBULK	BULK MOBIL MULTI-PURPOSE ATF	AR
	0ATFDRUM	55 GAL. MOBIL MULTI-PURPOSE ATF	AR
	0GREASEC	60X14 OZ. CARTRIDGES MOBILGREASE SPECIAL	AR
	0GREASED	400 LB. DRUM MOBILGREASE SPECIAL	AR
	0GREASEK	120 LB. KEG MOBILGREASE SPECIAL	AR
	23512703	1 GAL. DELVAC 1300 SUPER 4 CYL ENG	AR

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	12.8A025	OIL, ENGINE LUBRICATING	A
	23512704	55 GAL. DELVAC 1300 SUPER 4 CYL ENG	AR
	23512740	BULK DELVAC 1300 SUPER 4 CYL ENG	AR
	23512741	5 GAL. DELVAC 1300 SUPER 4 CYL ENG	AR
	23518542	55 GAL. SUPER GEO NATURAL GAS ENGINE	AR
	23520318	1 GAL. POWER GUARD DELVAC 1 4 CYL ENG; USE: DELVAC1JUG	NS
	23520320	55 GAL. POWER GUARD DELVAC 1 4 CYL ENG; USE: DELVAC1JUG	NS
	ATFQUART	12 QUART MOBIL MULTI-PURPOSE ATF	AR
	DELVAC1JUG	DELVAC1 1GAL	AR
	MOBIL424	55 GAL. MOBILFLUID 424	AR
	12.8A070	HAND CLEANERS	
	23523182	HAND CLEANER FAST ORANGE SMOOTH LOTION 15OZ BOTTLE	AR
	23523183	HAND CLEANER FAST ORANGE SMOOTH LOTION 1GAL BOTTLE	AR
	23523184	HAND CLEANER FAST ORANGE PUMICE LOTION 1GAL BOTTLE	AR
	23523185	HAND CLEANER FAST ORANGE PUMICE LOTION 15OZ BOTTLE	AR
	23523186	HAND CLEANER TROUNCE LOTION 1GAL BOTTLE	AR
	23523187	HAND CLEANER TROUNCE LOTION 15OZ BOTTLE	AR
	23523223	BRACKET, WALL MOUNT 1GAL PUMP BOTTLE	AR
	23530013	HAND CLEANER FAST ORANGE PUMICE 1 GAL(FOR SHOP STYLE DISPENSER); USE: 23523184	NS
	23530014	HAND CLEANER FAST ORANGE SMOOTH LOTION 1 GAL(FOR SHOP STYLE DISPENSER)	AR
	23530015	DISPENSER, FAST ORANGE HAND CLEANER(SHOP STYLE); USE: 95140	NS
	95140	DISPENSER	AR
	12.8A110	LUBRICATING COMPOUND THREAD	
	05198563	INTERNATIONAL COMPOUND #2 QT.	AR
	23509545	SEAL, ANTI-SEIZE HEAT & RUST 1 LB.	AR
	23528757	SUPER LUBE SYNTHETIC BASED LUBRICANT W/PTFE GREASE	AR
	12.8A147	KIT, DDEC	
	23515327	KIT, REPOWER DDEC III/IV FOR TRUCK APPLICATIONSW/30'VEH HARN,22'POWER HARN,TERM KIT,KIT ENG STOP	AR
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1
	23515152	HARNESS VEHICLE 30 FEET TRUCK APPLI	1
	23515326	KIT, TERMINAL DDEC III	1
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1
	23515152	HARNESS VEHICLE 30 FEET TRUCK APPLI	1
	23515326	KIT, TERMINAL DDEC III	1
	23515328	KIT, REPOWER DDEC III/IV FOR COACH APPLICATIONSW/70'VEH HARN,22'POWER HARN,TERM KIT,KIT ENG STOP	AR
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1

12.8A SUPPLIES/MAINTENANCE PRODUCTS				TYPES										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	A										
12.8A147		KIT, DDEC												
	23515153	HARNESS VEHICLE 70 FEET COACH APPLI	1											
	23515326	KIT, TERMINAL DDEC III	1											
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1											
	23515151	HARNESS POWER 22 FEET	1											
	23515153	HARNESS VEHICLE 70 FEET COACH APPLI	1											
	23515326	KIT, TERMINAL DDEC III	1											
12.8A205		FILTER, AIR/OIL SEPARATOR BRAKE SYSTEM												
	23526763	FILTER, INLINE AIR/OIL BRAKE SYSTEM		AR										
	23526764	KIT, REBUILD FILTER/SEPARATOR		AR										
	23526765	KIT, INLNE AIR/OIL BRAKE SYSTEM		AR										
12.8A242		THREADLOCK & SEALER												
	23509535	THREADLOCK, MEDIUM STRENGTH (50 ML.)		AR										
	23509536	THREADLOCK, MEDIUM STRENGTH (10 ML.)		AR										
	23509537	THREADLOCK, HIGH STRENGTH (10 ML.)		AR										
	23509538	THREADLOCK, HIGH STRENGTH (50 ML.)		AR										
	23509539	THREADLOCK, PENETRATING (10 ML.)		AR										
	23509542	SEALER, THREAD (50 ML.)		AR										
	23509544	SEALANT, COMPOUND (50 ML.)		AR										
12.8A255		SEALANT, RTV												
	21525	SEALANT, GASKET ELIMINATOR 509 300ML CARTRIDGEFOR FLYWHEEL HOUSING TO CYLINDER BLOCK; USE: 50930		NS										
	23509540	SEALANT, GASKET ELIMINATOR (50 ML.)		AR										
	23509541	SEALANT, GASKET ELIMINATOR (300 ML.)		AR										
	23509543	SEALANT, ULTRA BLUE RTV 3 OZ.		AR										
	23509603	SEALANT, BLACK RTV 11 OZ.		AR										
	23513509	GASKET, ELIMINATOR 518 - 50ML (RED)		AR										
	23514188	GASKET, ELIMATOR 518 300ML CARTRIDGE		AR										
	23523064	SEALANT, GASKET ELIMINATOR (50ML.)FOR INSTALLING FRT & REAR CAMSHAFT CAPS; USE: 23513509		NS										
	23523188	SEALANT, HIGH TEMP RED RTV 11 OZ.		AR										
	23528756	HI-TACK GASKET SEALANT (16OZ BRUSH TOP CAN)		AR										
	23530017	CUP PLUG SEALANT		AR										
	23532339	SEALANT, GASKET ELIMINATOR 509 50ML TUBEFOR FLYWHEEL HOUSING TO CYLINDER BLOCK		AR										
	50930	GSKT MKR CRT		AR										
12.8A260		ADDITIVES, SUPPLEMENTAL COOLANT												
	23507854	SUPPLEMENT, COOLANT ADDITIVE (1 PT.) (DD-3000-P)		AR										
	23507855	SUPPLEMENT, COOLANT ADDITIVE 1/2 GAL. (DD-3000-HG)		AR										
	23507856	SUPPLEMENT, COOLANT ADDITIVE 5 GAL. (DD-3000-11)		AR										

				TYPES									
12.8A SUPPLIES/MAINTENANCE PRODUCTS				A									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
12.8A260		ADDITIVES, SUPPLEMENTAL COOLANT											
	23507857	SUPPLEMENT, COOLANT ADDITIVE 55 GAL. (DD-3000-15)	AR										
	23507858	SUPPLEMENT, COOLANT ADDITIVE 1 PT. (DD-2000-P)	AR										
	23507859	SUPPLEMENT, COOLANT ADDITIVE 1/2 GAL. (DD-2000-HG)	AR										
	23507860	SUPPLEMENT, COOLANT ADDITIVE 5 GAL. (DD-2000-11)	AR										
	23507861	SUPPLEMENT, COOLANT ADDITIVE 55 GAL. (DD-2000-15)	AR										
	23512138	PRECHARGED COOLANT (1 GAL.) CONCENTRATED	AR										
	23512139	PRECHARGED COOLANT (55 GAL.) CONCENTRATED	AR										
	23512140	PRECHARGED COOLANT (BULK) CONCENTRATED	AR										
	23513503	POWER COOL COOLANT (BULK) PRE-BLENDED 50/50	AR										
	23518918	POWER COOL COOLANT (55 GAL.) PRE-BLENDED 50/50	AR										
	23519394	POWER COOL PLUS EXTENDED LIFE COOLANT 55 GAL (OAC)CONCENTRATED	AR										
	23519395	PWER COOL PLUS EXTENDED LIFE COOLANT BULK (OAC)CONCENTRATED	AR										
	23519396	POWER COOL PLUS EXTENDED LIFE COOLANT 1 GAL (OAC)PRE-BLENDED 50/50	AR										
	23519397	POWER COOL PLUS EXTENDED LIFE COOLANT 1 GAL (OAC)CONCENTRATED	AR										
	23519398	POWER COOL PLUS EXTENDED LIFE COOLANT 55 GAL (OAC)PRE-BLENDED 50/50	AR										
	23519399	POWER COOL PLUS EXTENDED LIFE COOLANT (OAC)PRE-BLENDED 50/50	AR										
	23519400	POWER COOL PLUS EXTENDER FOR USE W/POWER COOL PLUS	AR										
	23522127	POWER COOL PLUS 6000 FOR MARINE/OTHER WATER ONLYSYSTEMS; USE: 23533526	NS										
	23522128	POWER COOL PLUS 6000 FOR MARINE/OTHER WATER ONLYSYSTEMS; USE: 23533527	NS										
	23528203	POWER COOL COOLANT (1 GAL.) PRE-BLENDED 50/50	AR										
	23533526	COOLANT POWER COOL OFF HIGHWAY 6000 CONCENTRATE GA	AR										
	23533527	COOLANT POWER COOL OFF HIGHWAY 6000 CONCENTRATE PA	AR										
12.8A270		CLEANER, COOLANT SYSTEM											
	200105	CLEANER COOLANT SYSTEM (5 GAL.)	AR										
	200155	CLEANER COOLANT SYSTEM (55 GAL.)	AR										
	200164	CLEANER COOLANT SYSTEM (1/2 GAL.)	AR										
	201549	CLEANER COOLANT SYSTEM (TWIN-PAK)	AR										
	23507862	CLEANER, COOLANT SYSTEM 1/2 GAL. (DD-2001-HG); USE: 200164	NS										
	23507863	CLEANER, COOLANT SYSTEM 5 GAL. (DD-2001-11); USE: 200105	NS										
	23507864	CLEANER, COOLANT SYSTEM 55 GAL. (DD-2001-15); USE: 200155	NS										
	23507867	CLEANER, COOLANT SYSTEM (TWIN PAK) (DD-2015-49); USE: 201549	NS										
12.8A280		ADDITIVES, DIESEL FUEL											
	23507868	ADDITIVES, FUEL (1 PT.) (DD-2020-P)	AR										
	23507869	ADDITIVES, FUEL 5 GAL. (DD-2020-11)	AR										

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	12.8A280	ADDITIVES, DIESEL FUEL	A
	23507870	ADDITIVES, FUEL 55 GAL. (DD-2020-15)	AR
	23507871	ADDITIVES, FUEL 1 PT. (DD-1000-P)	AR
	23507872	ADDITIVES, FUEL 2 GAL. (DD-1000-11)	AR
	23507873	ADDITIVES, FUEL 55 GAL. (DD-1000-15)	AR
	12.8A290	KIT, COOLANT ANALYSIS	
	23516921	KIT, POWER TRAC COOLANT ANALYSIS	AR
	23519401	POWER TRAC COOLANT TEST STRIP (1 STRIP)	AR
	23519402	POWER TRAC COOLANT TEST STRIPS (BOTTLED 50 STRIPS)	AR
	23522774	POWER TRAC COOLANT TEST STRIPS (BOTTLED 10 STRIPS)	AR
	23523398	KIT, ORGANIC COOLANT ANALYSIS (10 BOTTLES)	AR
	12.8A291	KIT, OIL ANALYSIS	
	23515823	KIT, POWER TRAC LUBE OIL ANALYSIS	AR
	23517267	KIT, POWER TRAC LUBE OIL EXTRACTION	AR
	23520989	KIT, POWER TRAC LUBE OIL ANALYSIS W/TOTAL BASENUMBER	AR
	23521982	KIT, POWER TRAC LUBE OIL ANALYSIS (CANADIAN ONLY)	AR
	23521983	KIT, POWER TRAC LUBE OIL ANALYSIS W/TOTAL BASENUMBER	AR
	23521984	KIT, POWER TRAC OIL EXTRACTION (CANADIAN ONLY)	AR
	12.8A293	KIT, FUEL ANALYSIS	
	23516922	KIT, POWER TRAC FUEL ANALYSIS	AR
	12.8A300	PANEL, INSTRUMENT	
	23513217	BRACKET, 2-HOLE MOUNTING RUBBER(7.4005)	AR
	23513680	GAGE PANEL, INSTRUMENT CONTROL BLANK(7.4005)	AR
	23519833	BRACKET, 1-HOLE MOUNTING BLACK(7.4005)	AR
	23519834	BRACKET, 2-HOLE MOUNTING BLACK(7.4005)	AR
	23519835	BRACKET, 3-HOLE MOUNTING BLACK(7.4005)	AR
	23520757	GAGE PANEL, MECHANICAL 31' CAPILLARY 12/24V(7.4005)	AR
	23520758	GAGE PANEL, MECHANICAL 15' CAPILLARY 12/24V(7.4005)	AR
	12.8A310	GAGE, AMMETER	
	23519803	GAGE, AMMETER 60-0-60 BLACK(7.4015)	AR
	23519804	GAGE, AMMETER 100-0-100 BLACK(7.4015)	AR
	23520723	GAGE, AMMETER 60-0-60 CHROME(7.4015)	AR
	23520733	GAGE, AMMETER 150-0-150 W/EXTERNAL SHUNTCHROME (7.4015)	AR
	23520756	GAGE, AMMETER 100-0-100 CHROME(7.4015)	AR
	12.8A315	GAGE, AIR PRESSURE	
	23519792	GAGE, AIR PRESSURE 150 PSI SINGLE CHROME(7.4024)	AR
	23519836	KIT, PRESSURE TUBING 6' X 1/8" COPPER	AR

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	12.8A315	GAGE, AIR PRESSURE	A
	23520732	GAGE, AIR PRESSURE 150 PSI SINGLE BLACK(7.4024)	AR
	12.8A320	GAGE, TACHOMETER	
	06469745	KEY, .152" SPEEDO/TACH GENERATOR	AR
	06469746	KEY, .187" SPEEDO/TACH GENERATOR	AR
	23519774	GAGE, TACH 3000RPM W/O HRMETER DDEC COMPATIBLE BLK(USE SENDER 23519819,23519820 OR 23519821) 7.4060	AR
	23519775	GAGE, TACH 3000RPM W/HRMETER DDEC COMPATIBLE BLACK(USE SENDER 23519819,23519820 OR 23519821) 7.4060	AR
	23519776	GAGE, TACH 3000RPM W/HRMETER DDEC COMPATIBLE CHROME(USE SENDER 23519819,23519820 OR 23519821) 7.4060	AR
	23519777	GAGE, TACH 3500RPM 1:2 W/REV COUNTER MECH CHROME(7.4060)	AR
	23519819	GAGE, SPEEDO/TACH MAGNETIC PICK UP 3.5"L. 3/4"-16(7.4180)	AR
	23519820	SENDER, SPEEDO/TACH HALL EFFECT 7/8"-18(7.4180)	AR
	23519821	SENDER, SPEEDO/TACH GENERATOR 7/8"-18(USE KEY 6469745 OR 6469746) (7.4180)	AR
	23520728	GAGE, TACH 3,500 RPM 1:2 RATIO MECHANICAL(7.4060)	AR
	23530344	GAGE, TACH 3000RPM W/O HOUR METER BLACK	AR
	12.8A330	GAGE, OIL PRESSURE - ENGINE	
	23511477	SENDER,OIL PRESS 80PSI, 1/8-27NPT, DUAL STATION(7.4070)	AR
	23512594	SENDER,OIL PRESS 80PSI,1/8-27NPT,STANDARD GROUND(7.4070)	AR
	23512979	SENDER, OIL PRESSURE ELECT 80 PSI FLTNG GRD DUAL(7.4070)	AR
	23513978	SENDER,OIL PRESSURE 80PSI,1/4"-18NPT,FLOATING GRD(7.4070)	AR
	23519790	GAGE, OIL PRESSURE 100 PSI MECHANICAL BLACK(7.4070)	AR
	23519791	GAGE, OIL PRESSURE 150 PSI MECHANICAL BLACK(7.4070)	AR
	23519798	GAGE, OIL PRESSURE 100 PSI 12V 10-180 OHM BLACK(USE SENDER 23519826) (7.4070); USE: 350010003C	NS
	23519799	GAGE, OIL PRESSURE 150 PSI 12V 10-180 OHM BLACK(USE SENDER 23519827) (7.4070); USE: 350010002C	NS
	23519826	SENDER,OIL PRESSURE 100PSI,1/8-27NPT STANDARD GRD.(7.4070)	AR
	23519827	SENDER,OIL PRESSURE 150PSI,1/8-27NPT, STANDARD GRD(7.4070)	AR
	23519836	KIT, PRESSURE TUBING 6' X 1/8" COPPER	AR
	23520721	GAGE, OIL PRESSURE 150 PSI MECHANICAL CHROME(7.4070)	AR
	23520731	GAGE, OIL PRESSURE 100 PSI MECHANICAL CHROME(7.4070)	AR
	23520744	GAGE, OIL PRESSURE 80 PSI 12V 0-90 OHM CHROME(USE SENDER 23511477,23512594,23512979,23513978)	AR
	23530341	GAGE, OIL PRESSURE 150PSI BLACK BEZEL	AR
	350010002C	GAUGE ASM OIL PRESSURE 150 PSI 12V 10-180 OHM	AR
	350010003C	GAUGE ASM OIL PRESSURE 100 PSI 12V 10-180 OHM	AR

TYPES

12.8A SUPPLIES/MAINTENANCE
PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
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12.8A330 GAGE, OIL PRESSURE - ENGINE

12.8A335 GAGE, OIL PRESSURE -
TRANSMISSION

23511617	SENDER, TRANS PRESSURE 400 PSI 1/8"-27 STD GRD(7.4071)	AR
23513980	SENDER, TRANS PRESSURE 400PSI 1/8"-27 FLOATING GRD(7.4071)	AR
23513981	SENDER, TRANS PRESSURE 400PSI 1/8"-27 DUAL STATION(7.4071)	AR
23519794	GAGE, TRANS PRESSURE 400 PSI MECHANICAL BLACK(7.4071)	AR
23519800	GAGE, TRANS PRESSURE 400 PSI 12V BLACK(USE SENDER 23511617, 23513980 OR 23513981) 7.4071; USE: 23531199	NS
23519836	KIT, PRESSURE TUBING 6' X 1/8" COPPER	AR
23520730	GAGE, TRANS PRESSURE 400 PSI MECHANICAL CHROME(7.4071)	AR
23520746	GAGE, TRANS PRESSURE 400 PSI 12V CHROME(USE SENDER 23511617, 23513980 OR 23513981) 7.4071	AR
23528672	KIT, CONVERSION (INCLUDES WEDGE BULB 24V 3W,RESISTOR ASSY., SPADE CONNECTOR & BLADE TERMINAL)	AR
23531199	GAUGE ASM TRANS PRESSURE 12V	AR

12.8A340 GAGE, OIL TEMPERATURE

23519787	GAGE, OIL TEMP 340F 72" CAPILLARY MECHANICAL BLACK(7.4077)	AR
23519788	GAGE, OIL TEMP 340F 96" CAPILLARY MECHANICAL BLACK(7.4077)	AR
23519789	GAGE,OIL TEMP 340F 144" CAPILLARY MECHANICAL BLACK(7.4077)	AR
23519797	GAGE, OIL TEMP 300F, 12V(USE SENDER 23519824 OR 23519825) (7.4077); USE: 310010007C	NS
23519824	SENDER,OIL TEMP. 300DEG1/4-18NPT, STANDARD GROUND(7.4077)	AR
23519825	SENDER,OIL TEMP, 300DEG1/2-14NPT, STANDARD GROUND(7.4077)	AR
23519829	ADAPTOR, 1/2"-14 NPT MECHANICAL GAGE	AR
23519830	ADAPTOR, 3/8"-18 NPT MECHANICAL GAGE	AR
23520734	GAGE, OIL TEMP 340F 48" CAPILLARY MECH CHROME(7.4077)	AR
23520735	GAGE, OIL TEMP 340F 72" CAPILLARY MECH CHROME(7.4077)	AR
23520736	GAGE, OIL TEMP 340F 180" CAPILLARY MECH CHROME(7.4077)	AR
23520737	GAGE, OIL TEMP 340F 360" CAPILLARY MECH CHROME(7.4077)	AR
310010007C	GAUGE ASSY. OIL TEMP 300F 12V US STANDARD	AR

12.8A345 GAGE, WATER TEMPERATURE

23511301	SENDER,TEMP 250DEG,3/8"-18NPT, DUAL STATION(7.4080)	AR
23511303	SENDER,TEMP 250DEG, 1/2"-14NPT, STANDARD GROUND(7.4080)	AR
23513982	SENDER, TEMP 250 DEG 1/4"-18 FLOATING GROUND(7.4080)	AR
23513983	SENDER, TEMP 250 DEG 1/4"-18 DUAL STATION FLT GRD(7.4080)	AR
23519779	GAGE, WATER TEMP 265F, 18" CAPILLARYMECHANICAL BLACK (7.4080)	AR
23519780	GAGE, WATER TEMP 265F, 30" CAPILLARYMECHANICAL BLACK (7.4080)	AR

				TYPES									
12.8A SUPPLIES/MAINTENANCE PRODUCTS				A									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
12.8A345				GAGE, WATER TEMPERATURE									
	23519781	GAGE, WATER TEMP 265F, 48" CAPILLARYMECHANICAL BLACK (7.4080)	AR										
	23519782	GAGE, WATER TEMP 265F, 72" CAPILLARYMECHANICAL BLACK (7.4080)	AR										
	23519783	GAGE, WATER TEMP 265F, 96" CAPILLARYMECHANICAL BLACK (7.4080)	AR										
	23519784	GAGE, WATER TEMP 265F, 144" CAPILLARYMECHANICAL BLACK (7.4080)	AR										
	23519785	GAGE, WATER TEMP 265F, 180" CAPILLARYMECHANICAL BLACK (7.4080)	AR										
	23519786	GAGE, WATER TEMP 265F, 372" CAPILLARYMECHANICAL BLACK (7.4080)	AR										
	23519795	GAGE, WATER TEMP 220F 12V US OHM RANGE(7.4080)	AR										
	23519796	GAGE, WATER TEMP 250F, 12V(USE SENDER 23511301,1303,3982,3983 OR 9823)7.4080; USE: 23530340	NS										
	23519823	SENDER,TEMP. 250DEG3/8"-18NPT STANDARD GROUND(7.4080)	AR										
	23519829	ADAPTOR, 1/2"-14 NPT MECHANICAL GAGE	AR										
	23519830	ADAPTOR, 3/8"-18 NPT MECHANICAL GAGE	AR										
	23520701	GAGE, WATER TEMP 265F, 180" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520722	GAGE, WATER TEMP 265F, 18" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520724	GAGE, WATER TEMP 265F, 30" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520725	GAGE, WATER TEMP 265F, 48" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520726	GAGE, WATER TEMP 265F, 72" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520727	GAGE, WATER TEMP 265F, 120" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520738	GAGE, WATER TEMP 265F, 144" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520739	GAGE, WATER TEMP 265F, 372" CAPILLARYMECHANICAL CHROME (7.4080)	AR										
	23520740	GAGE, WATER TEMP 250F, 12V(7.4080)	AR										
	23520742	GAGE, WATER TEMP 250F, 32V RESISTOR KIT(7.4080)	AR										
	23528672	KIT, CONVERSION (INCLUDES WEDGE BULB 24V 3W,RESISTOR ASSY., SPADE CONNECTOR & BLADE TERMINAL)	AR										
	23530340	GAGE, WATER TEMP 250F 12V BLACK BEZEL; USE: 310010006C	NS										
	310010006C	GAGE ASSY. WATER TEMP 250F 12V BLK BEZEL	AR										
12.8A350				GAGE, FUEL VOLUME									
	23519806	GAGE, FUEL 0-90 OHM CHROME(USE SENDER 23519816) (7.4086)	AR										
	23519807	GAGE, FUEL 10-180 OHM CHROME(USE SENDER 23519817) (7.4086)	AR										
	23519808	GAGE, FUEL 240-33 OHM CHROME(USE SENDER 23519818) (7.4086)	AR										
	23519809	GAGE, FUEL 0-90 OHM BLACK(USE SENDER 23519816) (7.4086)	AR										
	23519810	GAGE, FUEL 10-180 OHM BLACK(USE SENDER 23519817) (7.4086)	AR										
	23519811	GAGE, FUEL 240-33 OHM BLACK(USE SENDER 23519818) (7.4086)	AR										
	23519816	SENDER,FUEL 6-23" ADJUSTABLE 0-90 OHMS(7.4086)	AR										
	23519817	SENDER,FUEL 6-23" ADJUSTABLE 10-180 OHMS(7.4086)	AR										

TYPES

12.8A SUPPLIES/MAINTENANCE PRODUCTS

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	12.8A350	GAGE, FUEL VOLUME	A
	23519818	SENDER,FUEL 6-23" ADJUSTABLE 240-33 OHMS(7.4086)	AR
	23528672	KIT, CONVERSION (INCLUDES WEDGE BULB 24V 3W,RESISTOR ASSY., SPADE CONNECTOR & BLADE TERMINAL)	AR
	12.8A360	LAMP, INSTRUMENT PANEL	
	23519828	BULB,TYPE C 2W(7.4100)	AR
	23519838	BULB,TYPE T-3 1/4, 2.7W WEDGE BASE(7.4100)	AR
	23519840	BULB,TYPE T-3 1/4, 3.4W WEDGE BASE(7.4100)	AR
	12.8A365	SOCKET, LAMP INSTRUMENT PANEL	
	08920580	SOCKET, BULB TYPE A	AR
	23519839	SOCKET, BULB T-3 1/4 WEDGE BASE(7.4105)	AR
	23519841	SOCKET, BULB TYPE C(7.4105)	AR
	12.8A370	GAGE, HOUR METER	
	1763018019C	METER ASSY., HOUR QUARTZ 9-28V NON-ILLUMINATED BLK	NS
	23519812	METER, HOUR QUARTZ 9-28V, NON ILLUMINATED CHROME(7.4118)	AR
	23519813	METER, HOUR QUARTZ 9-28V, NON ILLUMINATED BLACK(7.4118); USE: 1763018019C	NS
	23519814	METER, HOUR QUARTZ 9-28V, WATERPROOF(7.4118); USE: 23530343	NS
	23519815	METER, HOUR QUARTZ MINIMETER 9-28V NON ILLUMINATED(7.4118)	AR
	23530343	GAGE, HOURMETER 12V BLACK BEZEL	AR
	331953	HR METER QTZ	AR
	12.8A375	GAGE, TURBO BOOST	
	23519832	GAGE, TURBO BOOST 0-30 PSI(7.4160)	AR
	23519836	KIT, PRESSURE TUBING 6' X 1/8" COPPER	AR
	23519842	GAGE, TURBO BOOST 0-30 PSI BLACK(7.4160)	AR
	12.8A380	GAGE, VOLTMETER	
	23519801	GAGE, VOLTMETER 8-16V CHROME(7.4170)	AR
	23519802	GAGE, VOLTMETER 8-16V BLACK(7.4170); USE: 332010002C	NS
	23530342	GAGE, VOLTMETER 12V BLACK BEZEL	AR
	332010002C	GAUGE ASM VOLMETER 8-16 VOLT BLACK	AR
	12.8A385	GAGE, SPEEDOMETER	
	06469745	KEY, .152" SPEEDO/TACH GENERATOR(FOR USE WITH 23519821 OR 23520374)	AR
	06469746	KEY, .187" SPEEDO/TACH GENERATOR(FOR USE WITH 23519821 OR 23520374)	AR
	23519773	GAGE, SPEEDO 0-85 MPH PROGRAMABLE W/TRIP(7.4180)	AR
	23519819	GAGE, SPEEDO/TACH MAGNETIC PICK UP 3.5"L. 3/4"-16(7.4180)	AR
	23519820	SENDER, SPEEDO/TACH HALL EFFECT 7/8"-18(7.4180)	AR
	23519821	SENDER, SPEEDO/TACH GENERATOR 7/8"-18(7.4180)	AR
	23520374	SENDER, SPEEDO/TACH GENERATOR 7/8"-18 ODO TERM(7.4180)	AR

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	TYPES									
				A									
	12.8A385	GAGE, SPEEDOMETER											

12.8C SERVICE KITS AND SETS

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	12.8C725	KIT, SUPER ENGINE OVERHAUL	A
	R23532320	SUPER OVERHAUL KIT BUSHLESS PSTN 14L	AR
	R23532566	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG <i>EFFECTIVE WITH UNITS 06R0037024 WITH 23506350 EXHAUST VALVES.</i>	AR
	R23532567	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG <i>EFFECTIVE WITH UNITS 06R0037024 WITH 23506350 EXHAUST VALVES.</i>	AR
	R23532568	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG	AR
	R23532569	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG	AR
	R23532570	SUPER OVERHAUL KIT 15:1 C/R BNTC LNR 2.5MM RG 47MM <i>THRU UNITS 06R0037023 WITH 08929590 EXHAUST VALVES.</i>	AR
	R23532571	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG <i>THRU UNITS 06R0037023 WITH 08929590 EXHAUST VALVES.</i>	AR
	R23532572	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG	AR
	R23532573	SUPER OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG	AR
	R23532575	SUPER OVERHAUL KIT 15:1 C/R ART STL PSTN TLC BNTC	AR
	R23532576	SUPER OVERHAUL KIT 15:1 C/R ART STL PSTN TLC BNTC	AR
	R23532578	SUPER OVERHAUL KIT 16.5:1 C/R ART STL PSTN TLC BN	AR
	R23532579	SUPER OVERHAUL KIT 16.5:1 C/R ART STL PSTN TLC BNT	AR
	R23532587	SUPER OVERHAUL KIT 15:1 C/R ELPTC DOME TLC BNTC 2.	AR
	R23532588	SUPER OVERHAUL KIT 15:1 C/R ELPTC DOME TLC BNTC LN	AR
	R23532589	SUPER OVERHAUL KIT 15:1 C/R ELPTC DOME TLC BNTC L	AR
	R23533034	SUPER OVERHAUL KIT 16.5:1 C/R TLC BNTC LNR 2.5MM R	AR
	R23535718	SUPER OVERHAUL KIT 2-HSG JAK BRKE 16.5:1 ART STL P	AR
	12.8C730	KIT, BASIC ENGINE OVERHAUL	
		<i>BASIC OVERHAUL KITS INCLUDE CAMSHAFT BEARINGS, THERMOSTATS, ENGINE OVERHAUL GASKET KIT, HEAD BOLTS AND COMPLETE ENGINE SET OF RELIABILT CYLINDER KITS.</i>	
	R23532307	BASIC OVERHAUL KIT BUSHLESS PSTN 14L	AR
	R23532565	BASIC OVERHAUL KIT 15:1 C/R TLC BNTC LNR 2.5MM RG	AR
	R23532574	BASIC OVERHAUL KIT 15:1 C/R ART STL PSTN TLC BNTC	AR
	R23532577	BASIC OVERHAUL KIT 16:5:1 C/R ART STL PSTN TLC BNT	AR
	R23532581	BASIC OVERHAUL KIT TLC BNTC LNR 3.5MM RG GRV	AR
	R23532584	BASIC OVERHAUL KIT TLC ART STL TLC BNTC LNR 3.0MM	AR
	R23532585	BASIC OVERHAUL KIT 15:1 C/R ELPTC DOME TLC BNTC L	AR

12.8C SERVICE KITS AND SETS				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	A									
	12.8C730	KIT, BASIC ENGINE OVERHAUL											
		<i>BASIC OVERHAUL KITS INCLUDE CAMSHAFT BEARINGS, THERMOSTATS, ENGINE OVERHAUL GASKET KIT, HEAD BOLTS AND COMPLETE ENGINE SET OF RELIABLE CYLINDER KITS.</i>											
	R23532592	BASIC OVERHAUL KIT BNTC LNR NON-TLC LRG OD DOME 2.		AR									
	R23532593	BASIC OVERHAUL KIT BNTC LNR NON-TLC LRG DOME 3.5MM		AR									
	R23533033	BASIC OVERHAUL KIT 16.5:1 C/R TLC BNTC LNR 2.5MM R		AR									
	12.8C735	KIT, LOWER END BEARING											
	23519905	LOWER ENGINE BEARING AND GASKET 47MM .010US		AR									
	23519906	LOWER ENGINE BEARING AND GASKET 47MM .020US		AR									
	23526280	KIT, LOWER END BRG 47MM & GASKET		AR									
	23527914	KIT, LOWER END BRG GROOVELESS 1850 ARTIC STL		AR									
	23531604	KIT LWR END BRG 43MM STD & GSKT S60		AR									
	23531605	KIT LWR END BRG 47MM STD & GSKT S60		AR									
	23531606	KIT LWR END BRG GRVLESS ART STL & GSKT S60		AR									
	23533692	KIT LOWER END BRG STD BRG & GSKT S60 2004 12L-14L		AR									

TYPES

FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.
	12.8D801	MISCELLANEOUS SERVICE PARTS	A
		MISCELLANEOUS SERVICE PARTS/KITS SECTION 1 ENGINE	
	23505110	NAME PLATE SERIES 60	AR
	23522437	COVER PSTN CLG NOZZLE HOLE	AR
		<i>USES THE SAME BOLT 23506222 FOR COOLING NOZZLE.</i>	
	23525831	PLATE NAME 1850 PINNACLE S60 14L	AR
	12.8D802	MISCELLANEOUS SERVICE PARTS/KITS SECTION 2 FUEL SYSTEM/ELECTRONIC CONTROLS	
	23515327	KIT, REPOWER DDEC III/IV FOR TRUCK APPLICATIONSW/30'VEH HARN,22'POWER HARN,TERM KIT,ENG STOP KIT	AR
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1
	23515152	HARNESS VEHICLE 30 FEET TRUCK APPLI	1
	23515326	KIT, TERMINAL DDEC III	1
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1
	23515152	HARNESS VEHICLE 30 FEET TRUCK APPLI	1
	23515326	KIT, TERMINAL DDEC III	1
	23515328	KIT, REPOWER DDECIII/IV FOR COACH APPLICATIONSW/70'VEH HARN,22'POWER HARN,TERM KIT,ENG STOP KIT	AR
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1
	23515153	HARNESS VEHICLE 70 FEET COACH APPLI	1
	23515326	KIT, TERMINAL DDEC III	1
	23501634	KIT, CHECK STOP ENGINE LIGHT (INCLUDES	1
	23515151	HARNESS POWER 22 FEET	1
	23515153	HARNESS VEHICLE 70 FEET COACH APPLI	1
	23515326	KIT, TERMINAL DDEC III	1
	23520848	KIT, OPTIMIZED IDLE STARTER RELAY OVERLAY	AR
		<i>INCLUDES 18SP428 INSTALLATION INSTRUCTIONS</i>	
	23523769	KIT, TURBO VALVE FUEL SOLENOID & HTR REG FLTR 60G	AR
	23524968	KIT EXHAUST TEMP SENSOR W/160" L HARNESS	AR
		<i>FOR DIESEL-FUELED TRANSIT BUS ENGINES BUILT PRIOR TO OCT. 2002.</i>	
	23525702	KIT EXH TEMP SENSOR W/98" L HARNESS	AR
		<i>FOR DIESEL-FUELED TRANSIT BUS ENGINES BUILT PRIOR TO OCT. 2002.</i>	
	23525703	KIT EXH TEMP SENSOR W/28"L HARNESS	AR
		<i>FOR DIESEL-FUELED TRANSIT BUS ENGINES BUILT PRIOR TO OCT. 2002.</i>	
	23525856	KIT, OPTIMIZED IDLE BUS ENGINE/THERMOSTAT MODE50/60 (12.1960)	AR
	23525857	KIT, OPTIMIZED IDLE BUS ENGINE MODE 50/60(12.1960)	AR
	23527566	KIT CONNECTOR REPAIR S60 2002	AR
	23528258	KIT CONNECTOR REPAIR (DDEC V OIL PRES)	1
	23528259	KIT CONNECTOR REPAIR (DDEC V TBS) 60 2	1

TYPES

12.8D MISCELLANEOUS SERVICE PARTS

FIG PART NO. NAME AND DESCRIPTION ASSY.
REF. QTY.

12.8D802

MISCELLANEOUS SERVICE PARTS/KITS SECTION 2 FUEL SYSTEM/ELECTRONIC CONTROLS

23528260	KIT CONNECTOR REPAIR DDEC V BARO	1	
23528265	KIT CONNECTOR REPAIR (DDEC V EGR TS) S	1	
23528266	KIT CONNECTOR REPAIR (DDEC V RPS) S60C	1	
23528267	KIT CONNECTOR REPAIR (DDEC V MPROP V	1	
23530464	KIT CONNECTOR REPAIR DDEC IV 2002 VPO	1	
23530465	KIT CONNECTOR REPAIR DDEC IV 2002 VPO	1	
23530468	KIT CONNECTOR REPAIR (DDEC IV 2002 TUR	1	
23528256	KIT CONNECTOR REPAIR CONNECTOR REP/	1	
23528257	KIT CONNECTOR REPAIR (DDEC V TRS) S60C	1	
23528261	KIT CONNECTOR REPAIR (DDEC V ATS) 60/2	1	
23528262	KIT CONNECTOR REPAIR (DDEC V OTS) 60/2	1	
23528263	KIT CONNECTOR REPAIR (DDEC V CTS) S60C	1	
23528268	KIT CONNECTOR REPAIR (DDEC V EGR/VNT	1	
23528269	KIT CONNECTOR REPAIR (DDEC V TSS) S60C	1	
23530463	KIT CONNECTOR REPAIR DDEC IV 2002 OEM	1	
23528279	KIT CONNECTOR REPAIR DDEC V EGR DIFFE	1	
23532744	KIT CONNECTOR REPAIR EGR SOLENOID S5	1	
23528559	HARNESS IRIS MOBILE SERVICE INTERFACE 5FT (02.1903)	AR	
23528561	HARNESS IRIS MOBILE STANDARD HARNESS 8FT (02.1903)	AR	
23528563	IRIS MOBILE SERVICE KIT(FOR A TEMPORARY IRIS INSTALLATION ON THE VEHICLE); USE: 23530734	NS	
23528564	IRIS MOBILE RETROFIT KIT(FOR PERMANENT IRIS INSTALLATION ON THE VEHICLE); USE: 23530733	NS	
23528593	KIT, DDEC WIRE HARNESS REPAIRFOR DDEC I-IV WIRE HARNESSES	AR	
23528594	KIT, WIRE & TERMINALS	1	
23528595	KIT, TOOLS WIRE HARNESS REPAIR	1	
23528596	KIT, DDEC CONNECTORS	1	
23528597	KIT, SPLICE/FUSE/TIES	1	
23528598	PLANO BOX, DDEC REPAIR KIT	1	
23528630	IRIS BASE ADAPTOR KIT(CUSTOMERS WHO ALREADY HAVE A DDEC TRANSLATOR); USE: 23530730	NS	
23528631	HARNESS IRIS BASE COMMUNICATION (02.1903)	AR	
23528633	PC EXTRACTION KIT(CUSTOMERS WHO DO NOT HAVE DDEC TRANSLATOR); USE: 23530731	NS	
23528634	IRIS RDI ADAPTER KIT(CONNECTION TO VEHICLE WIRELESS FOR RDI USERS); USE: 23530732	NS	
23528917	HARNESS IRIS COMMUNICATION 100FT (02.1903)	AR	
23529391	ASSY, DDC FILTER (02.3320) 50Z 50G/60G	AR	
23529393	FUEL FILTER NAT GAS 8" 50G/60G(REPLACEMENT) (02.3320)	AR	
23529394	FUEL FILTER NAT GAS 6" 50G/60G(REPLACEMENT) (02.3320)	AR	
23529801	KIT, REBUILD FUEL SHUT-OFF VALVE 50/60 GASTO SERVICE VALVES 23528701, 23528706 & 23528707	AR	
23530627	POWER SUPPLY FOR 1-BOX IRIS 500MA 12V (02.1903)	AR	
23530730	KIT, IRIS 1 BOX BASE ADAPTER	AR	
23530731	KIT, IRIS 1 BOX PC EXTRACTION	AR	
23530732	KIT, IRIS 1 BOX RDI ADAPTER	AR	
23530733	KIT IRIS 1 BOX MOBILE RETROFIT	AR	

TYPES

		12.8D MISCELLANEOUS SERVICE PARTS										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	A								
12.8D802		MISCELLANEOUS SERVICE PARTS/KITS SECTION 2 FUEL SYSTEM/ELECTRONIC CONTROLS										
	23530734	KIT, IRIS 1 BOX MOBILE SERVICE		AR								
12.8D804		MISCELLANEOUS SERVICE PARTS/KITS SECTION 4 LUBRICATION SYSTEM										
	23517638	KIT OIL EXTRACTION SYSTEM FILL S60INLET FITTING 50/60 SERIES		AR								
	23526544	KIT, ESOC RAPID OIL EXTRACTION SYS BTM DRNDRAIN FITTING 50/60 SERIES		AR								
	23529321	QUICK OIL CHANGE SYSTEM		AR								
	DELF3998	FILTER ASSY., OIL ENDURANCE BRANDED(04.2250)		AR								
12.8D805		MISCELLANEOUS SERVICE PARTS/KITS SECTION 5 COOLING SYSTEM										
	23530277	KIT, COOLANT FILTER FOR DIRECT ENGINE MT OR REMOTECONVERT 60 ENGINE WITHOUT A COOLANT FILTER 5.7005		AR								
12.8D806		MISCELLANEOUS SERVICE PARTS/KITS EXHAUST SYSTEM										
	23524760	ADAPTER, CATALYST TEMP SENSOR (02.1649) STAINLESSSTEEL		AR								
	23532364	KIT EGR DELTA P SENSOR		AR								
	23534838	KIT HOSE & CLAMPS EGR SERVICE S60		AR								
12.8D807		MISCELLANEOUS SERVICE PARTS/KITS ELECTRICAL INSTRUMENTS										
	23526305	KIT, 50DN A/TENS T-DRIVE LONG NECK SNAP CAP 7.1900TO UPDATE MANUAL TENSIONER 50DN TO AUTO TENSIONER		AR								
	23527060	KIT, 50DN AUTO TENSIONER FOR T-DRIVE	1									
	08929302	GASKET, 4 HOLE (4.5007)	1									
	23523134	FILLER ASSY.,OIL AL SNAP CAP FRT CVR	1									
	23526476	KIT, 50DN A/TENS T-DRIVE LONG NECK BOT STOP 7.1900TO UPDATE MANUAL TENSIONER 50DN TO AUTO TENSIONER		AR								
	23522568	FILLER ASSY.	1									
	23527060	KIT, 50DN AUTO TENSIONER FOR T-DRIVE	1									
	08929302	GASKET, 4 HOLE (4.5007)	1									
12.8D812		MISCELLANEOUS SERVICE PARTS/KITS SECTION 12 MISCELLANEOUS										
	107516	KIT, MAINTENANCE FOR TF550/750 AIR COMPRESSORS(12.4001)		AR								

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