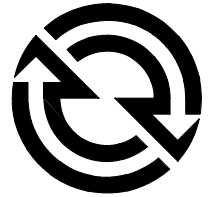


Engine Parts

DETROIT DIESEL



Diesel Engine

Generator Model:
900/1000 kW

Engine Series:
16V-2000

Engine Model:
R163-7M36

6SP2000 MAY 2004

SERIES 2000

Parts

Catalog

Detroit Diesel® SERIES 2000™ Diesel Engines

Illustrated Service Parts Catalogs are now available on CD-ROM

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Illustrated Service Parts Catalog by Engine Series. Contains all engine types and illustrations.

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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.

- 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
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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**
 - 03.1A AIR CLEANER AND/OR ADAPTOR
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
 - 03.7 INTERCOOLER/AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

PART NAME	GROUP NO.	PART NAME	GROUP NO.
A		C	
ADAPTOR, AIR CLEANER MOUNTING	03.1A085	BRACKET, STARTING MOTOR SUPPORT	07.3A007
AIR INTAKE MANIFOLD	03.3C801	BELT, GENERATOR DRIVE	07.1A575
AIR CLEANER ASSY.	03.1A001	BRACKET, GENERATOR MOUNTING	07.1A595
ADAPTOR, OIL FILTER COVER	04.2A291		
ADAPTOR, OIL FILTER ASSY.	04.2A352		
ADAPTOR, EXHAUST MANIFOLD	06.1A003		
ARM, GENERATOR BRUSH	07.1A170		
B			
BLOCK, CYLINDER	01.1001	CRANKSHAFT ASSY.	01.3001
BRACKET, ENGINE LIFTER-FRONT	01.2A070	COVER, GEAR CASE	01.3A158
BRACKET, ENGINE LIFTER - REAR	01.2A080	COVER, CRANKSHAFT FRONT	01.3A160
BOLT, ENGINE LIFTER EYE	01.2A100	COVER, ENGINE FRONT LOWER	01.3A162
BUSHING, CONNECTING ROD PISTON	01.6040	COVER, ENGINE FRONT ACCESSORY DRIVE	01.3A191
BEARING, CONNECTING ROD PISTON PIN	01.6090	COVER, CRANKSHAFT FRONT COVER SMALL HOLE	01.3A195
BRACKET ASSY., ELECTRONIC CONTROL MODULE MOUNTING	02.1B503	COVER, FLYWHEEL HOUSING LARGE HOLE	01.5A030
BOLT, ROCKER COVER	01.8A460	COVER, FLYWHEEL HOUSING SMALL HOLE	01.5A050
BRACKET, BOAT BUILDER INTERFACE MODULE	02.1B514	COVER, FLYWHEEL HOUSING ACCESSORY HOLE	01.5A061
BRACKET, WIRING HARNESS	02.1B745	COVER, STARTING MOTOR HOLE	01.5A070
BRACKET, FUEL STRAINER MOUNTING	02.3A260	COVER, FLYWHEEL HOUSING INSPECTION HOLE	01.5A080
BRACKET, FUEL FILTER MOUNTING	02.3A530	COVER, FLYWHEEL HOUSING	01.5A085
BLOCK, FUEL SYSTEM JUNCTION	02.5A250	COVER, FLYWHEEL HOUSING OIL HOLE	01.5A117
BRACKET, INTERCOOLER MOUNTING	03.7003	CONNECTING ROD ASSY.	01.6001
BALL, LUBE OIL STRAINER BYPASS VALVE	04.2A130	COVER ASSY., ROCKER	01.8A450
BRACKET, OIL COOLER HOUSING SUPPORT	04.4A100	CLAMP, INJECTOR	02.1A270
BREATHER ASSY.	04.8A045	CONNECTOR, COMMUNICATIONS	02.1B765
BASE, BREATHER	04.8A048	COVER, FUEL STRAINER	02.3A080
BODY, BREATHER OR SEPARATOR	04.8A050	CABLE	02.1B910
BRACKET, BREATHER/COLLECTOR MOUNTING	04.8A056	CLAMP, AIR INLET PIPE HOSE	03.1A280
BRACKETS, COLLECTOR	04.8A260	COVER, FUEL FILTER	02.3A390
BRACKET, WATER CROSSOVER TUBE	05.3B475	CLIP, FUEL PUMP TO FILTER HOSE	02.5A120
BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED	05.4A010	CLIP, FUEL PUMP TO JUNCTION BLOCK HOSE	02.5A146
BRACKET, FAN SUPPORT	05.4A027	CLIP, FILTER TO FUEL MANIFOLD TUBE	02.5A155
BRACKET, FAN BELT TENSIONER ASSY.	05.4A342	CLIP, FILTER OUTLET TUBE	02.5A156
BRACKET, EXHAUST MANIFOLD SUPPORT	06.1A002	CLIP, FUEL SUPPLY CROSSOVER TUBE	02.5A164
BOLT, EXHAUST MANIFOLD TO HEAD	06.1A025	CLIP, CYLINDER HEAD INLET	02.5A180
BRACKET, GENERATOR ADJUSTING STRAP	07.1A582	CLIP, FUEL DRAIN	02.5A220
		CONNECTOR, TURBOCHARGER EXHAUST INLET	03.5A305
		CLIP, TURBOCHARGER OIL SUPPLY TUBE	03.5A502
		COLLECTOR ASSY.	04.8A200
		COVER, OIL FILTER	04.2A290
		CORE, OIL COOLER ENGINE	04.4A001
		CORE, OIL COOLER-MARINE GEAR	04.4A002

PART NAME	GROUP NO.	PART NAME	GROUP NO.
COOLER ASSY., OIL COOLER	04.4A005	FLANGE, OIL DRAIN	01.3A185
COVER, OIL COOLER HOUSING	04.4A060	FLYWHEEL ASSY.	01.4A001
CONNECTOR, BREATHER TUBE	04.8A021	FORK,FUEL PUMP COUPLING	02.2220
CLAMP, BREATHER TUBE	04.8A039	FILTER ASSY., FUEL	02.3A310
CLIP, BREATHER TUBE	04.8A040	FILTER ASSY., SPIN ON FUEL	02.3A316
CONNECTIONS, COLLECTOR	04.8A250	FILTER UNIT, BREATHER	04.8A060
COVER, FRESH WATER PUMP BODY	05.1031	FLANGE, OIL PUMP COVER	04.1A222
COVER, THERMOSTAT HOUSING	05.2B120	FILTER ASSY., OIL	04.2A240
CONNECTION, HEAT EXCHANGER WATER OUTLET	05.3B312	FLANGE, EXHAUST MANIFOLD WATER OUTLET	06.1A140
CONNECTION, HEAT EXCHANGER INLET	05.3B314	FLANGE, THERMO FAN DRIVE	05.4A368
CONNECTION, OIL COOLER WATER INLET	05.3B350		
CLAMP, OIL COOLER WATER INLET CONNECTION	05.3B366	G	
CONNECTION, EXHAUST MANIFOLD FRESH WATER INLET	05.3B430	GASKET, CYLINDER HEAD COMPRESSION	01.2010
CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE	05.3B434	GEAR, CRANKSHAFT TIMING	01.3145
CONNECTOR, EXHAUST MANIFOLD FRESH WATER OUTLET	05.3B436	GASKET, CRANKSHAFT FRONT COVER	01.3A170
CLIP,WATER CROSSOVER TUBE	05.3B476	GASKET, ENGINE FRONT ACCESSORY DRIVE	01.3A192
CYLINDER, SEQUENTIAL ACTUATOR	06.1A008	GASKET,CRANKSHAFT FRONT COVER SMALL HOLE COVER	01.3A196
COVER, EXHAUST MANIFOLD	06.1A015	GEAR, FLYWHEEL RING	01.4A010
COVER, STARTING MOTOR HOLE	07.3A738	GASKET, FLYWHEEL HOUSING	01.5A010
Clamp, Starting Motor Solenoid Plunger Boot	07.3A410	GASKET, FLYWHEEL HOUSING LARGE HOLE COVER	01.5A040
		GASKET, FLYWHEEL HOUSING SMALL HOLE COVER	01.5A060
D		GASKET, FLYWHEEL HOUSING ACCESSORY HOLE COVER	01.5A062
DAMPER, VIBRATION	01.3B210	GASKET, FLYWHEEL HOUSING COVER	01.5A095
DISC, FUEL PUMP DRIVE	02.2228	GASKET, FLYWHEEL HOUSING OIL HOLE COVER	01.5A118
		GEAR ASSY., IDLER	01.5A129
E		GASKET, ROCKER COVER	01.8A455
ELEMENT, FUEL STRAINER	02.3A010	GASKET, FUEL PUMP TO ENGINE OR DRIVE ASSEMBLY	02.2007
ELEMENT, AIR CLEANER	03.1A050	GASKET, AIR CLEANER MOUNTING ADAPTOR	03.1A087
ELBOW AIR INTAKE MANIFOLD	03.3C808	GASKET, AIR INTAKE MANIFOLD	03.3C803
ELEMENT, FUEL FILTER	02.3A320	GASKET, CYLINDER HEAD VENT	04.8A110
EXHAUST ADAPTOR, WASTEGATE	03.5A015	GASKET, TURBOCHARGER EXHAUST INLET CONNECTION	03.5A307
ELEMENT, OIL FILTER	04.2A250	GASKET, INTERCOOLER/CHARGE AIR COOLER	03.5A446
EXTENSION, BREATHER TUBE	04.8A010	GASKET, LUBE OIL STRAINER BYPASS VALVE	04.2A160
ELBOW, EXHAUST MANIFOLD	06.1A018	GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR	04.2A293
ELBOW, THERMOSTAT HOUSING COVER OUTLET	05.2B122	GASKET, OIL FILTER BYPASS VALVE HOUSING	04.2A389
ELBOW, FRONT COVER WATER OUTLET	05.3B490	GASKET, OIL COOLER CORE PLATE	04.4A020
EXPANDER, EXHAUST MANIFOLD	06.1A006		
ELBOW, EXHAUST CROSSOVER TUBE	06.1A181		
F			

PART NAME	GROUP NO.
GASKET, OIL COOLER CORE-INNER	04.4A030
GASKET, OIL COOLER BYPASS VALVE PLUG	04.4A170
GASKET, OIL PAN TO BLOCK	04.7A030
GASKET, LOWER OIL PAN	04.7A040
GASKET, BREATHER BODY OR SEPARATOR	04.8A070
GASKET, EXHAUST MANIFOLD	06.1A010
GASKET, EXHAUST MANIFOLD ADAPTOR	06.1A012
GASKET, EXHAUST CROSSOVER TUBE	06.1A183
GENERATOR ASSY.	07.1A001
GASKET, FRESH WATER PUMP	05.1010
GASKET, FRESH WATER PUMP BODY COVER	05.1032
GASKET, THERMOSTAT HOUSING	05.2B110
GASKET, THERMOSTAT HOUSING COVER	05.2B130
GASKET, OIL COOLER WATER INLET CONNECTION	05.3B360
GASKET, FRONT COVER WATER OUTLET ELBOW	05.3B491
GASKET, EXHAUST MANIFOLD COVER	06.1A017
GUARD, GENERATOR DRIVE BELT AND PULLEY	07.1A585
GASKET, STARTING MOTOR	07.3A004

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HEAD ASSY., CYLINDER	01.2001
HOUSING ASSY., GEAR CASE	01.3A156
HUB, VIBRATION DAMPER	01.3B230
HUB, FLYWHEEL FLEXIBLE COUPLING	01.4A080
HOUSING ASSY., FLYWHEEL	01.5A001
HUB, IDLER GEAR	01.5A130
HARNESS, ECM BOAT BUILDER INTERFACE MODULE	02.1B690
HARNESS, ELECTRONIC DISTRIBUTOR UNIT TO INJECTOR	02.1B700
HARNESS, INTERFACE	02.1B703
HARNESS, ENGINE SENSORS TO ECM	02.1B704
HARNESS ASSY., INJECTOR SOLENOID WIRING	02.1B705
HARNESS, ENGINE SENSORS TO DISCONNECT	02.1B720
HARNESS, POWER INTERFACE	02.1B740
HOSE, AIR INLET PIPE	03.1A270
HOSE, FUEL SUPPLY	02.5A009
HOSE, FUEL PUMP OUTLET TO FILTER	02.5A110
HOSE, FUEL PUMP TO JUNCTION BLOCK	02.5A144
HOSE, FILTER TO CYLINDER HEAD	02.5A160

PART NAME	GROUP NO.
HOSE, JUNCTION BLOCK TO BOOST COOLER	02.5A183
HOSE, FUEL DRAIN CROSSOVER	02.5A206
HOSE, FUEL DRAIN	02.5A215
HOSE ASSY., AIR VENT BLEEDER	02.5A530
HOUSING/BASE, INTERCOOLER CHARGE AIR COOLER	03.5A432
Hose, Collector Inlet	04.8A062
HOSE, TURBOCHARGER AIR OUTLET CONNECTION	03.5A420
HOUSING, OIL FILTER BYPASS VALVE	04.2A388
HOUSING, OIL COOLER-ENGINE	04.4A050
HOUSING, TRANSFER OIL/WATER	04.4A189
HOSE, OIL COOLER INLET OIL	04.4A192
HOSE, OIL COOLER OUTLET OIL	04.4A195
HOSE, BREATHER EXTENSION	04.8A175
HOSE, OIL DRAIN	04.8A187
HOUSING, THERMOSTAT	05.2B090
HOSE, THERMOSTAT HOUSING WATER OUTLET	05.2B105
HOUSING, WATER DISTRIBUTION	05.2B155
HOSE, WATER BYPASS TUBE	05.2C165
HOSE, TURBOCHARGER WATER INLET	05.3B273
HOSE, DE-AERATION	05.3B283
HOSE, OIL COOLER WATER INLET CONNECTION	05.3B365
HOSE, OIL COOLER WATER OUTLET	05.3B422
HOSE, EXHAUST MANIFOLD FRESH WATER INLET	05.3B432
HOSE, FRESH WATER OUTLET	05.3B446
HOSE, WATER CROSSOVER TUBE	05.3B474
HOSE, OIL DRAIN	05.4A021
HOSE., OIL SUPPLY	05.4A022

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INJECTOR ASSY.	02.1A001
INDICATOR/SENSOR, AIR CLEANER RESTRICTION	03.1A002
INTERCOOLER, TURBOCHARGER	03.5A425
INTERCOOLER ASSY./ CHARGE AIR COOLER	03.7001
INSTALLATION KIT, BREATHER	04.8A046

K

KIT, CYLINDER LINER AND SEALS	01.6181
KIT, COOLANT LEVEL SENSOR	02.1B670
KIT WASTEGATE ACTUATOR	03.5A004

PART NAME	GROUP NO.	PART NAME	GROUP NO.
L		RETAINER, BREATHER PAD	04.8A065
LINER, CYLINDER	01.6180	RELAY ASSY., STARTER MOTOR TIME DELAY	07.3A737
LINE, FUEL INJECTION INTERNAL	02.1A006	S	
LIMITER ASSY., COLLECTOR VACCUM	04.8A240	SPACER, CRANKSHAFT REAR OIL SEAL	01.3065
M		SHELL, CRANKSHAFT MAIN BEARING	01.3090
MODULE ASSY., ELECTRONIC CONTROL (ECM)	02.1B501	SEAL, CRANKSHAFT OIL FRONT	01.3A166
MODULE, INTERFACE	02.1B512	SLEEVE, CRANKSHAFT OIL SEAL	01.3A167
MANIFOLD, EXHAUST	06.1A001	SLEEVE, VIBRATION DAMPER HUB	01.3B232
MOTOR ASSY., STARTING	07.3A001	SEAL, CRANKSHAFT OIL	01.5A004
P		SUPPORT ASSY., CRANKSHAFT REAR	01.5A021
PLATE, FLYWHEEL FLEXIBLE COUPLING	01.4A085	SHELL, CONNECTING ROD BEARING	01.6100
PLATE, FLYWHEEL HOUSING BELL COVER	01.5A003	SEAL, CYLINDER LINER	01.6190
PISTON KIT	01.6110	SERVICE KIT, INJECTOR	02.1A002
PIN, PISTON	01.6140	SUPPORT, INJECTOR CLAMP	02.1A275
PLATE ASSY., ELECTRONIC DISTRIBUTOR UNIT COLD	02.1B520	SHIELD, WATER ECM	02.1B523
Pipe Assy., Fuel Injector	02.2008	SENSOR, MAG. CRANKSHAFT	02.1B620
PUMP ASSY., FUEL	02.2001	SENSOR, OIL, FUEL OR COOLANT TEMPERATURE	02.1B630
PRIMER PUMP, FUEL	02.5A490	SENSOR/KIT , AIR PRESSURE/TURBO BOOST	02.1B650
PUMP ASSY., OIL	04.1A001	SENSOR, COOLANT LEVEL	02.1B665
PLUG, LUBE OIL STRAINER BYPASS VALVE	04.2A150	SENSOR, COOLANT PRESSURE	02.1B675
PLUG, OIL COOLER BYPASS VALVE	04.4A160	STUD, INJECTOR CLAMP	02.1A280
PAN, OIL	04.7A001	SENSOR, OIL OR FUEL PRESSURE	02.1B600
PAN, OIL UPPER	04.7A010	SENSOR, MAG. IDLER	02.1B610
PAN, OIL LOWER	04.7A020	SENSOR, TURBO SPEED	02.1B646
PLUG, OIL PAN DRAIN	04.7A080	SENSOR, AIR TEMPERATURE	02.1B647
PIPE ASSY, BREATHER	04.8A001	SENSOR, FUEL MONITOR	02.1B667
PUMP ASSY., FRESH WATER	05.1001	SCREW, FUEL FILTER COVER	02.3A410
PULLEY AND HUB ASSY., FAN	05.4A015	SEPARATOR, FUEL WATER	02.3A590
PULLEY, FAN BELT IDLER	05.4A330	SHIELDING, FLEXIBLE HOSE	02.5A255
PULLEY, GENERATOR	07.1A500	SPRING, LUBE OIL STRAINER BYPASS VALVE BALL	04.2A140
PULLEY, BELT TENSIONER ALTERNATOR	07.1A925	SHELL ASSY., OIL COOLER TUBE TYPE	04.4A003
PULLEY, GENERATOR DRIVE	07.1A505	SPRING, OIL COOLER BYPASS VALVE	04.4A150
R		SHELL, BREATHER	04.8A055
RING SET, PISTON	01.6115	STUD, EXHAUST MANIFOLD TO HEAD	06.1A020
RING, PISTON COMPRESSION	01.6120	STUD, EXHAUST MANIFOLD OUTLET	06.1A050
RING, PISTON OIL CONTROL	01.6130	SHIELD, GENERATOR	07.1A005
RETAINER, PISTON PIN	01.6150	SPRING, GENERATOR BRUSH	07.1A160
REGULATOR/VALVE, BREATHER PIPE	04.8A003	STUD, FRESH WATER PUMP MOUNTING	05.1020
		SPACER, FAN BLADE	05.4A011
		SUPPORT, FAN MOUNTING	05.4A025
		SPACER, FAN SUPPORT BRACKET	05.4A028

PART NAME	GROUP NO.
SCREW, FAN BRACKET ADJUSTING	05.4A290
STUD, EXHAUST MANIFOLD TO TURBOCHARGER	06.1A022
STRAP, GENERATOR ADJUSTING	07.1A580
SUPPORT, GENERATOR BRACKET	07.1A596

T

TUBE, OIL COOLER INLET	01.3A186
TUBE ASSY., FUEL SUPPLY	02.1A004
TIP ASSY., INJECTOR SPRAY	02.1A235
TUBE, INJECTOR HOLE	02.1A290
TUBE, FUEL PUMP TO FILTER	02.5A100
TUBE, FUEL PUMP OUTLET TO FUEL COOLER	02.5A111
TUBE, FUEL FILTER TO JUNCTION BLOCK	02.5A148
TUBE, FILTER TO CYLINDER HEAD	02.5A149
TUBE, FILTER TO FUEL MANIFOLD	02.5A150
TUBE, COOLER TO FILTER HEAD	02.5A153
TUBE, FUEL SUPPLY CROSSOVER	02.5A163
TUBE, JUNCTION BLOCK TO CYLINDER HEAD	02.5A175
TUBE, FUEL DRAIN CROSSOVER	02.5A205
TUBE, FUEL DRAIN	02.5A210
TURBOCHARGER	03.5A001
TUBE, TURBOCHARGER OIL RETURN	03.5A505
TUBE, TURBOCHARGER OIL SUPPLY	03.5A500
TUBE, INTERCOOLER WATER INLET	03.7070
TUBE, OIL COOLER WATER OUTLET	04.4A270
TUBE, OIL PAN DRAIN	04.7A100
THERMOSTAT ASSY.	05.2B050
TUBE ASSY., WATER PUMP INLET	05.2B070
TUBE, WATER BYPASS	05.2C160
TUBE WATER BYPASS VENT	05.2C250
TUBE, TURBOCHARGER WATER RETURN	05.3B269
TUBE, WATER PUMP INLET	05.3B329
TENSIONER, BELT	05.4A340
TUBE, EXHAUST CROSSOVER	06.1A180

V

Valve Assy., Fuel Pump Check	02.2035
VALVE, FUEL SYSTEM SHUTOFF	02.5A260
VALVE, FUEL DRAIN CHECK	02.5A209
VENT, CYLINDER HEAD	04.8A100
VALVE BODY ASSY., WASTEGATE	03.5A014

PART NAME	GROUP NO.
VALVE, LUBE OIL STRAINER BYPASS	04.2A120
VALVE, OIL COOLER BYPASS	04.4A140
VALVE, SOLENOID	05.4A186
VALVE, SEQUENTIAL ACTUATOR	06.1A007

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
- 01.4A FLYWHEEL
- 01.5A FLYWHEEL, HOUSING
- 01.6 CONNECTING ROD AND PISTON
- 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

- 03.1A AIR CLEANER AND/OR ADAPTOR
- 03.3C AIR INTAKE MANIFOLD
- 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
- 03.7 INTERCOOLER/AFTERCOOLER

04 LUBRICATING SYSTEM

- 04.4A OIL COOLER AND MARINE GEAR LINES
- 04.7A OIL PAN
- 04.8A VENTILATING SYSTEM
- 04.1A OIL PUMP
- 04.2A OIL FILTER

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

07 ELECTRICAL INSTRUMENTS

- 07.1A BATTERY, CHARGING GENERATOR
- 07.3A STARTING MOTOR

DETROIT DIESEL

SERIES 2000

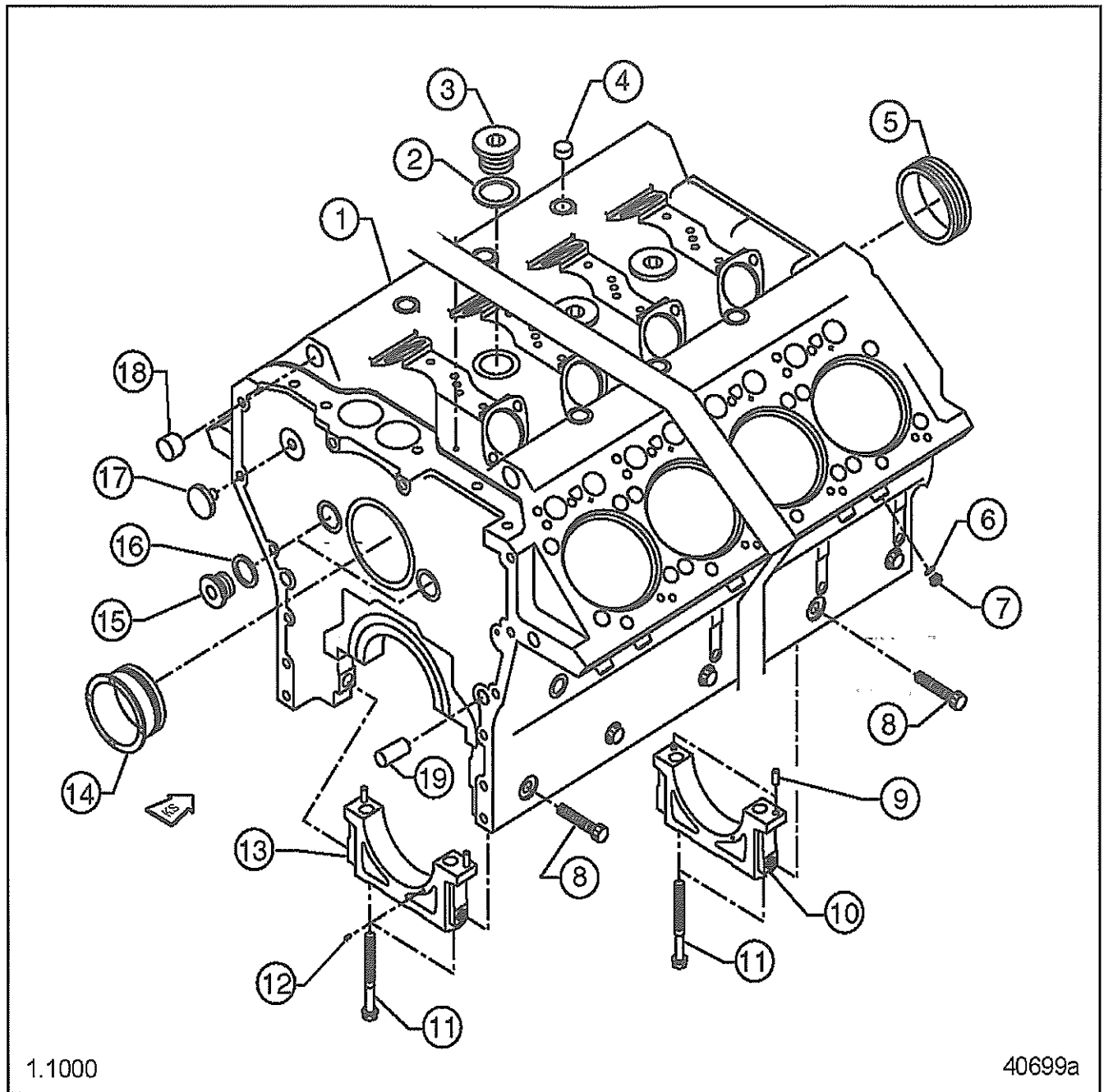


FIG 1 of 01.1

				TYPES											
01.1 CYLINDER BLOCK															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	6	8	5									
	01.1001	BLOCK, CYLINDER													
	000908010002	PLUG THREADED	1												
1:1	5360102605	BLOCK ASSY., CYLINDER 16V	1												
	000908030002	PLUG SCREW M30 X 1.5 STL	2												
	000908052003	PLUG M52X1.5 STL DBL 8451.21	7												
	001474004018	CYL GROOVE PIN 4X10	2												
	007603014102	WASHER, A14 X 18 COPPER	4												
	007603030101	WASHER, A30 X 36 COPPER	2												
	007603052401	RING	7												
	007604014102	PLUG AM14X1.5	4												
	5360110271	NOZZLE	1												
	5360111801	BLOCK	1												
	5360511210	BEARING, THRUST S2000	1												
	5360512710	BUSHING CAM	8												
	5410100023	CAP, MAIN BEARING (INCLUDES 2-000007008	8												
	5410100123	CAP ASSY., MAIN BEARING THRUST	1												
	5410110071	BOLT, MAIN BEARING CAP (S2000)	NS												
	5419900101	BOLT, MAIN BEARING CAP CROSS	18												
	5550160233	SEALING CAP	16												
	735073004000	PLUG, RIVET TYPE M4	1												
	5360110471	BOLT, M18 X 2 X 173 10.9 MAIN BRG CAP	18												

				TYPES									
01.2 CYLINDER HEAD													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	5	2	9							
01.2001		HEAD ASSY., CYLINDER											
	5220100220	Head Assy., Cylinder Complete	16										
	5419900001	BOLT, CYLINDER HEAD MOUNTING	64										
	5419900501	BOLT, CYLINDER HEAD MOUNTING; USE: 5419900001	NS										
	6019920325	PIN, SLOT SPR. 10.05 X 15	32										
01.2010		GASKET, CYLINDER HEAD COMPRESSION											
	5410160920	GASKET, CYLINDER HEAD	16										

DETROIT DIESEL

SERIES 2000

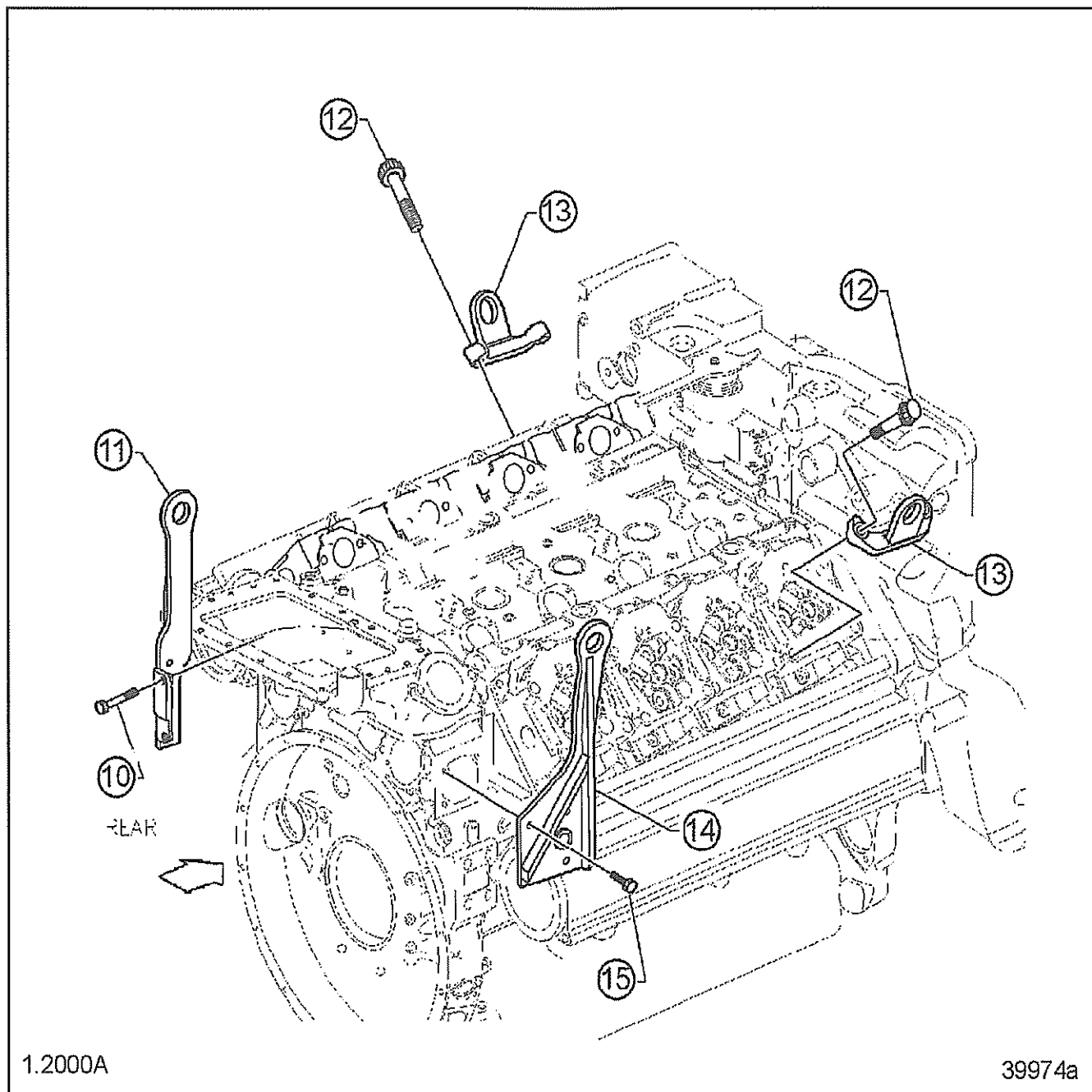


FIG 1 of 01.2A

01.2A ENGINE LIFTER BRACKET				TYPES											
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	3	6	5									
	01.2A070	BRACKET, ENGINE LIFTER-FRONT													
	000007025103	pin, dowel		2											
	000931012033	BOLT, M12 X 50		5											
	000931012223	bolt, m12 1.75 x 60 10.9 hex		5											
	007349013002	WASHER M13		10											
	5222240240	bracket		2											
	01.2A080	BRACKET, ENGINE LIFTER - REAR													
	000125017014	WASHER A17 140HV		4											
	304017016027	BOLT, M16 X 50		4											
	5222230241	bracket, rear		1											

				TYPES											
01.3 CRANKSHAFT, OIL SEALS AND STABILIZERS															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	2	0	7									
01.3001		CRANKSHAFT ASSY.													
	5220301601	CRANKSHAFT ASSY., G63/83	1												
	5310310207	COUNTERWEIGHT, CRANKSHAFT S2000	12												
	4220310171	BOLT, M16 X 1.5 X 68 (COUNTERWEIGHT)	NS												
	5360520503	GEAR, CRANKSHAFT	1												
	5360520103	GEAR, CRANKSHAFT FRONT S2000	1												
	4420310071		24												
01.3090		SHELL, CRANKSHAFT MAIN BEARING													
	23528399	KIT, MAIN BEARING STD	9												
	23528400	SHELL SET, .10 UNDERSIZE	AR												
	23528401	SHELL SET, .25 UNDERSIZE	AR												
	23528402	SHELL SET, .50 UNDERSIZE	AR												
	23528403	SHELL SET, .75 UNDERSIZE	AR												
	23528404	SHELL SET, 1.00 UNDERSIZE	AR												
	5410330962	THRUST WASHER, 5.375 W	4												

DETROIT DIESEL

SERIES 2000

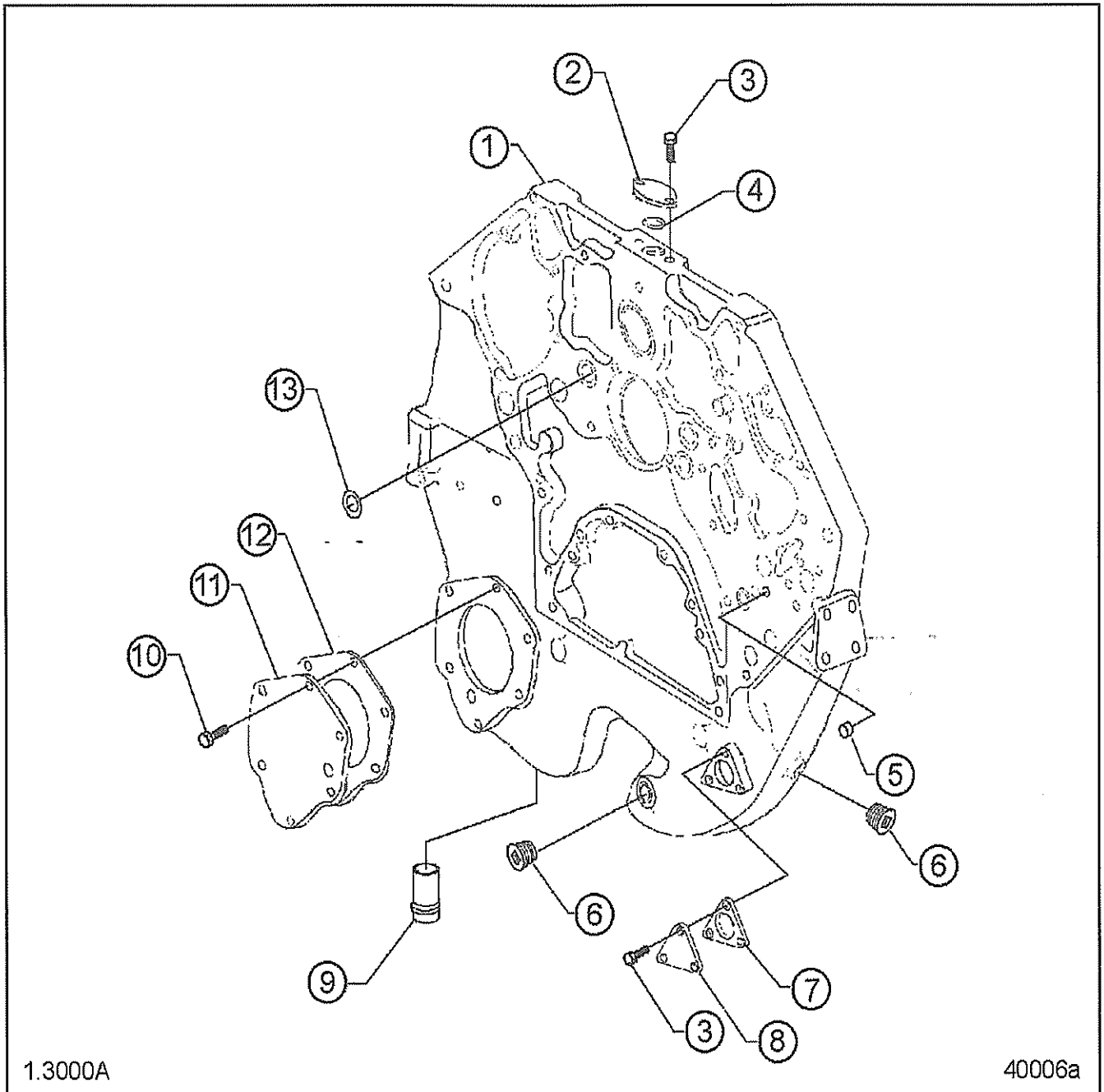


FIG 1 of 01.3A

DETROIT DIESEL

SERIES 2000

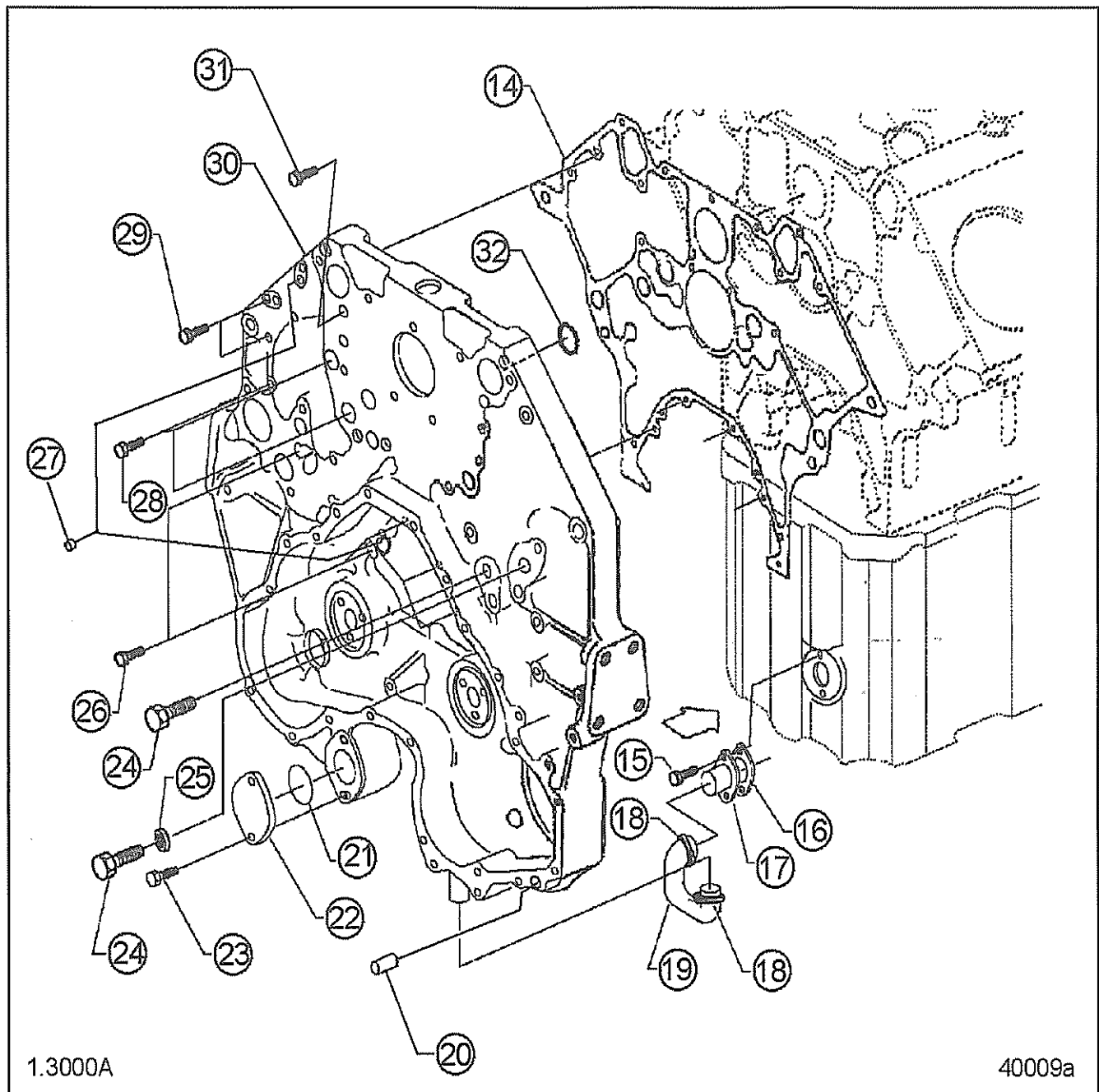


FIG 2 of 01.3A

01.3A CRANKSHAFT FRONT COVER				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
	01.3A156	HOUSING ASSY., GEAR CASE		2									
	000125008427	WASHER A8.4		6									
	000125010524	WASHER A10.5		20									
	000125017014	WASHER A17 140HV		6									
	000931008189	BOLT, M8 1.25 X 85 8.8		2									
	000931010247	BOLT, M10 X 120		9									
	000931010296	BOLT M10 1.50 X 85 8.8 DBL8421 DIN 931		5									
	000931010336	BOLT, M10 X 130 LG		5									
	000931016046	bolt, m16 2.00 x 95 8.8 hex		3									
	000931016051	bolt, m16 2.00 x 140 8.8 hex		1									
	000931016077	BOLT, M16 2.00 X 120 8.8		2									
	304017008084	BOLT, M8 X 35 8.8		4									
	304017008088	BOLT, M8 1.25 x 55 8.8; USE: 304017008084		NS									
	5220100633	housing, gear case assy.tb/td		1									
	5222020007	hub - -		1									
	5352000044	gear, idler assy.		1									
	5551870640	BRACKET, L 51 X 38 X 20		1									
	01.3A158	COVER, GEAR CASE											
	000007008210	PIN, M8 X 24		2									
	000125010524	WASHER A10.5		3									
	000931010239	BOLT, M10 X 80 8.8		8									
	000933010116	BOLT, M10 X 45		5									
	000933010150	BOLT, M10 X 55		1									
	5220100117	cover, gear case assy. tb/td		1									
	01.3A170	GASKET, CRANKSHAFT FRONT COVER											
	5360150280	GASKET		1									
	700429027003	ring-o, 27 x 4 mmn 429		1									
	700429028003			2									
	700429080001	SEAL RING, 80 X 5		1									
	700429095004	O-RING, 95 X 5		2									

			TYPES											
01.3B VIBRATION DAMPER														
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	2	3	7								
01.3B210		DAMPER, VIBRATION												
	0000353100	DAMPER, VIBRATION (GEISLINGER)	1											
	5369970047	SEAL, CRANKSHAFT FRONT (1.3040)	1											

DETROIT DIESEL

SERIES 2000

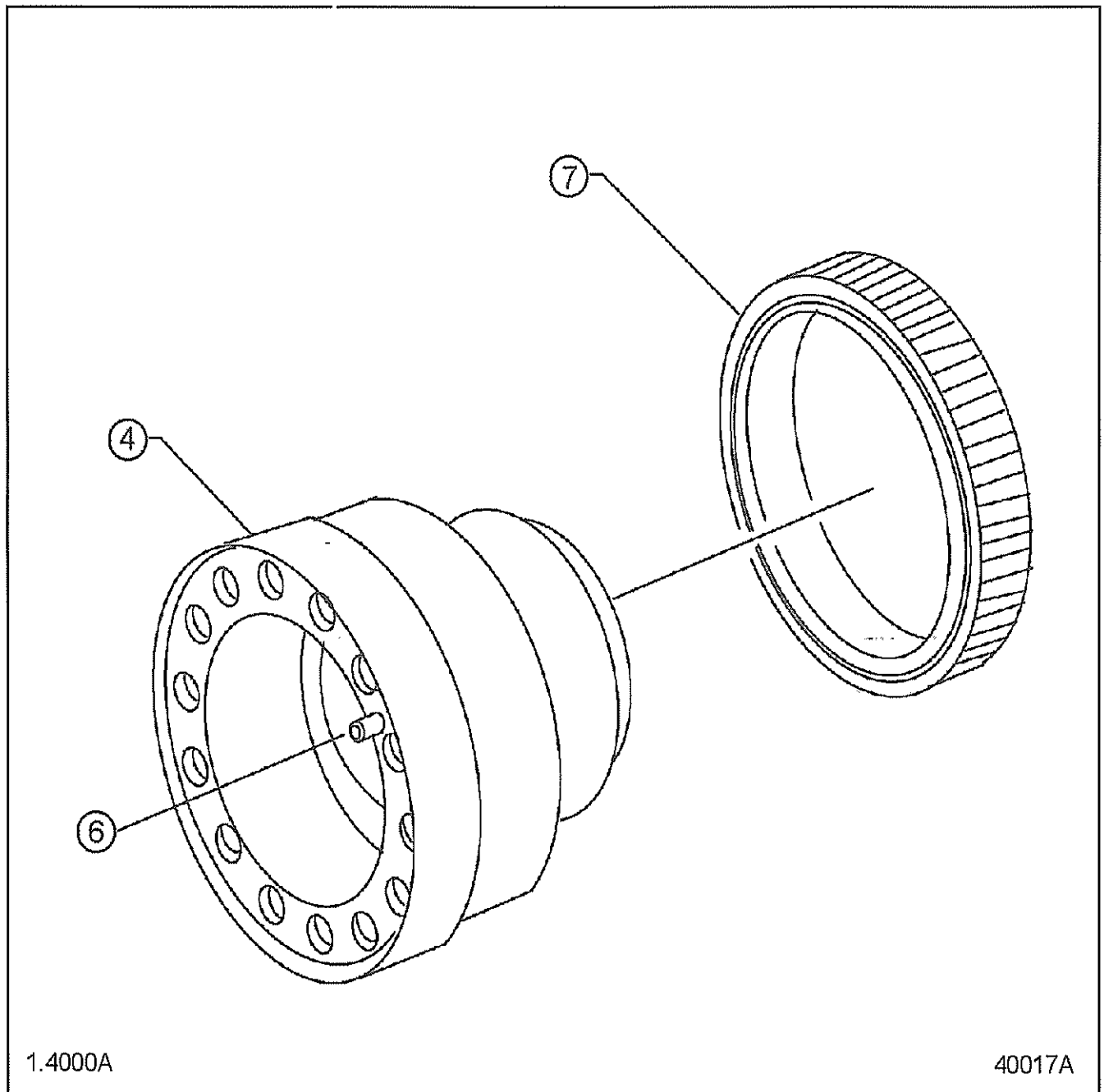


FIG 1 of 01.4A

DETROIT DIESEL

SERIES 2000

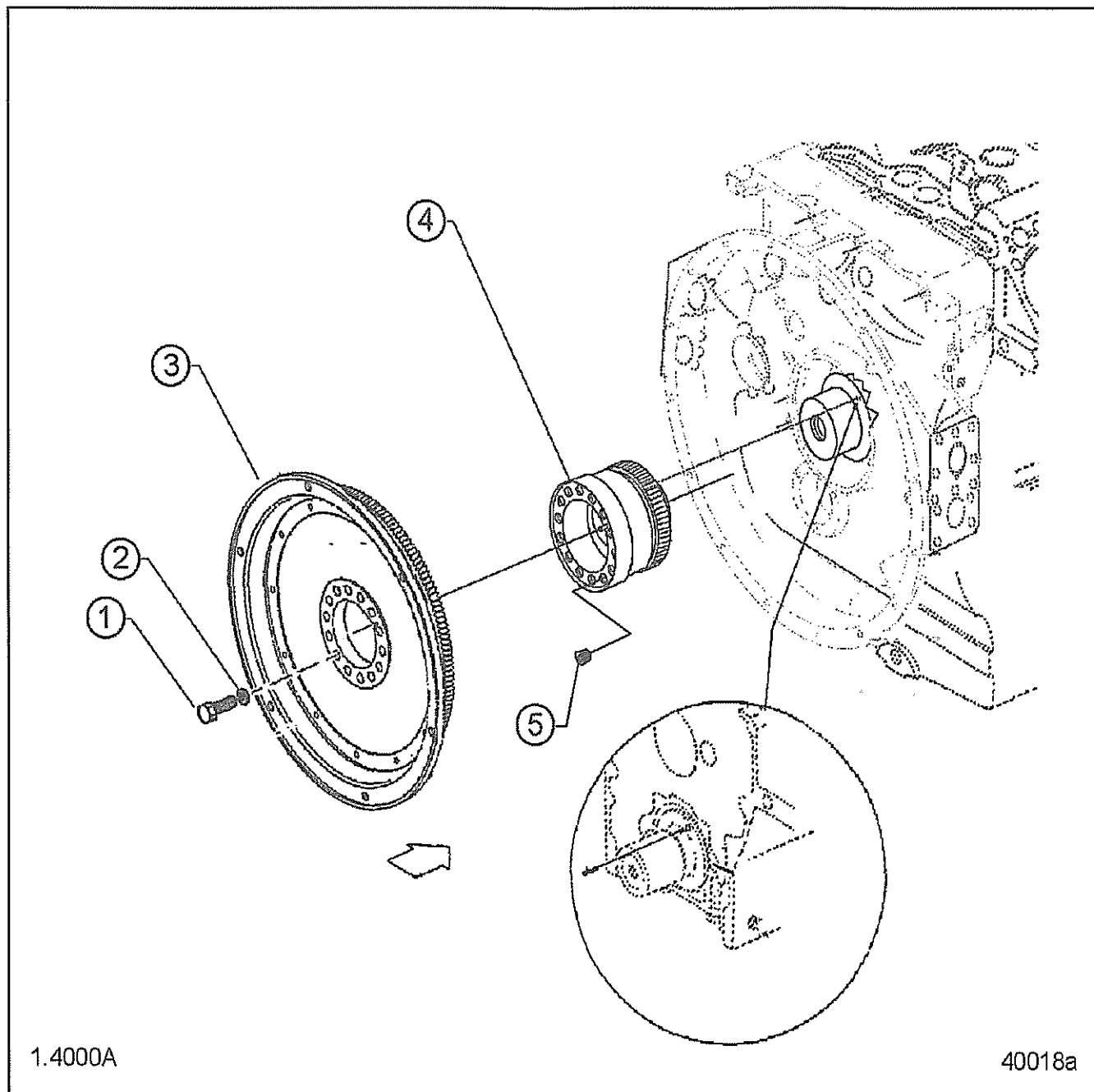


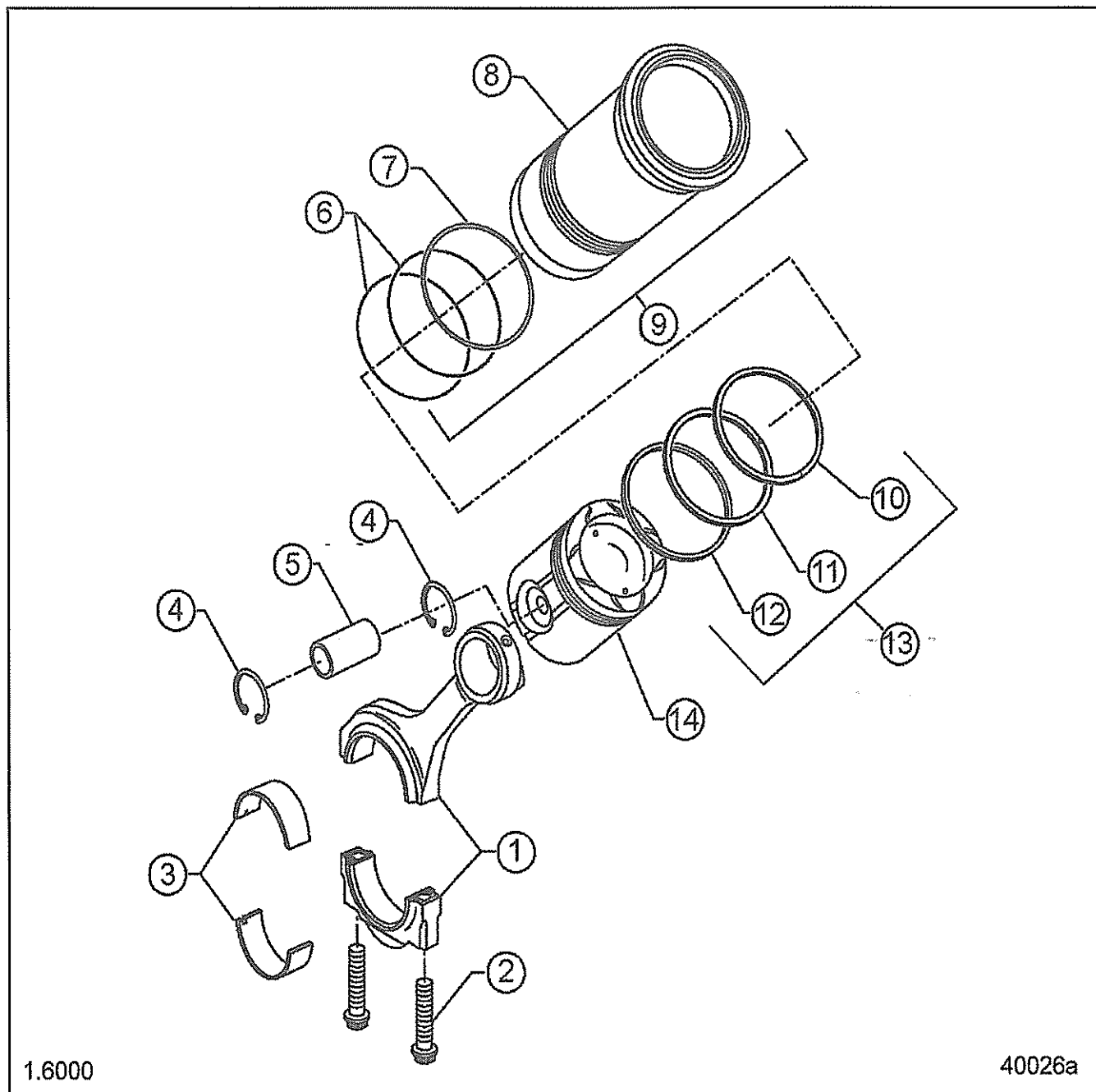
FIG 2 of 01.4A

				TYPES											
01.4A FLYWHEEL															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1											
				3											
				1											
				5											
	01.4A001	FLYWHEEL ASSY.													
	000000002976	bolt, m16 x 1.5 x 55 iso 8676 10.9	14												
	0249975047	seal, lip shaft radial	1												
	5220300805	flywheel, tb/td	1												
	700521016200	WASHER, M16 X 2	14												
	8809970210	DOWEL PIN M91CE S2000	1												
	01.4A080	HUB, FLYWHEEL FLEXIBLE COUPLING													
	5220320107	hub, tb/td flywheel	1												

					TYPES										
01.5A FLYWHEEL, HOUSING															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.												
	01.5A001	HOUSING ASSY., FLYWHEEL													
	000000003238	Bolt, M12 x 1.5 x 80	2												
	000000003239	Bolt, M12 X 1.5 X 140	8												
	000125008427	WASHER A8.4	2												
	000125013012	WASHER A13	14												
	000933008028	BOLT, M8 X 18 8.8	2												
	000934012023	Nut, Hex M12; USE: 308673012002	NS												
	000939012100	Stud, M12 x 1.5 x 80 10.9	4												
	308673012002		4												
	5220101037	Housing, Flywheel TB/TD	1												
	5220320015	Pointer	1												
	700429020003	SEAL RING, 20 X 4	1												
	01.5A003	PLATE, FLYWHEEL HOUSING BELL COVER													
	000000001039	BOLT M10 X 40 8.8 16V4000	2												
	000125008427	WASHER A8.4	6												
	000125010524	WASHER A10.5	4												
	000933010092	BOLT M10 X 30.0 LG	1												
	000933010116	BOLT, M10 X 45	1												
	136M52010/1	BRACKET	1												
	304017008084	BOLT, M8 X 35 8.8	5												
	304017008085	BOLT, M8 X 40 8.8	1												
	5220110621	Plate, Blanking	1												
	5225460043	BRACKET	1												
	01.5A010	GASKET, FLYWHEEL HOUSING													
	5220130180	Gasket	1												
	01.5A085	COVER, FLYWHEEL HOUSING													
	000125008427	WASHER A8.4	4												
	0005312081	Cable, Clamp Quick	1												
	304017008079	BOLT, M8 X 20 8.8	3												
	304017008084	BOLT, M8 X 35 8.8	1												
	5220130333	Cover	2												
	5511530050	SPACER, 10MM X 18MM	1												
	700327010000	GROMMET, M10	1												
	916016008202	CLAMP, BRSGU 8/20	1												

DETROIT DIESEL

SERIES 2000



1.6000

40026a

FIG 1 of 01.6

				TYPES									
01.6 CONNECTING ROD AND PISTON													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	8	4	3							
01.6001		CONNECTING ROD ASSY.											
	5410380071	BOLT, CONNECTING ROD (USE W/SPLIT LINE ROD)	32										
	5410380450	bushing, conrod	1										
	5420300520	conrod assy.	16										
01.6100		SHELL, CONNECTING ROD BEARING											
	5360382410	BEARING, UPPER CONN ROD STD	16										
	5420382211	BEARING, LOWER CONN ROD STD	16										
01.6110		PISTON KIT											
	5220302417	piston/rings/pin, 14:1	16										
01.6180		LINER, CYLINDER											
	5360110359	RING, OIL CONTROL LINER M91CE	16										
	5360110410	LINER, CYLINDER CARBON SCRAPER	16										
01.6190		SEAL, CYLINDER LINER											
	0229974948	RING, SEAL LINER LOWER	32										
	5410110059	SEAL RING, BRASS UPPER	16										

TYPES

- 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
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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
 - 03.1A AIR CLEANER AND/OR ADAPTOR
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
 - 03.7 INTERCOOLER/AFTERCOOLER
- 04 LUBRICATING SYSTEM
 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

DETROIT DIESEL

SERIES 2000

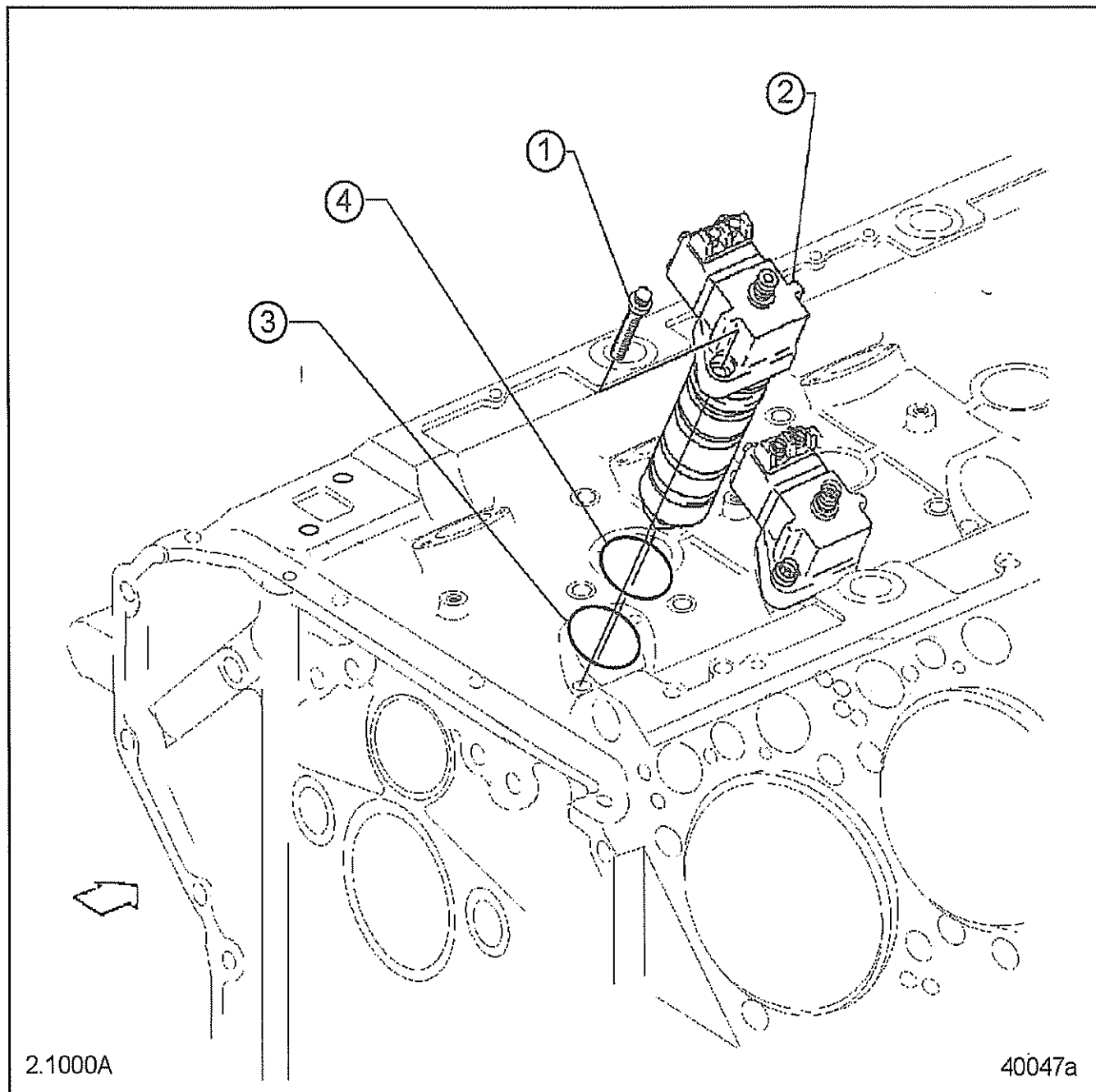


FIG 1 of 02.1A

DETROIT DIESEL

SERIES 2000

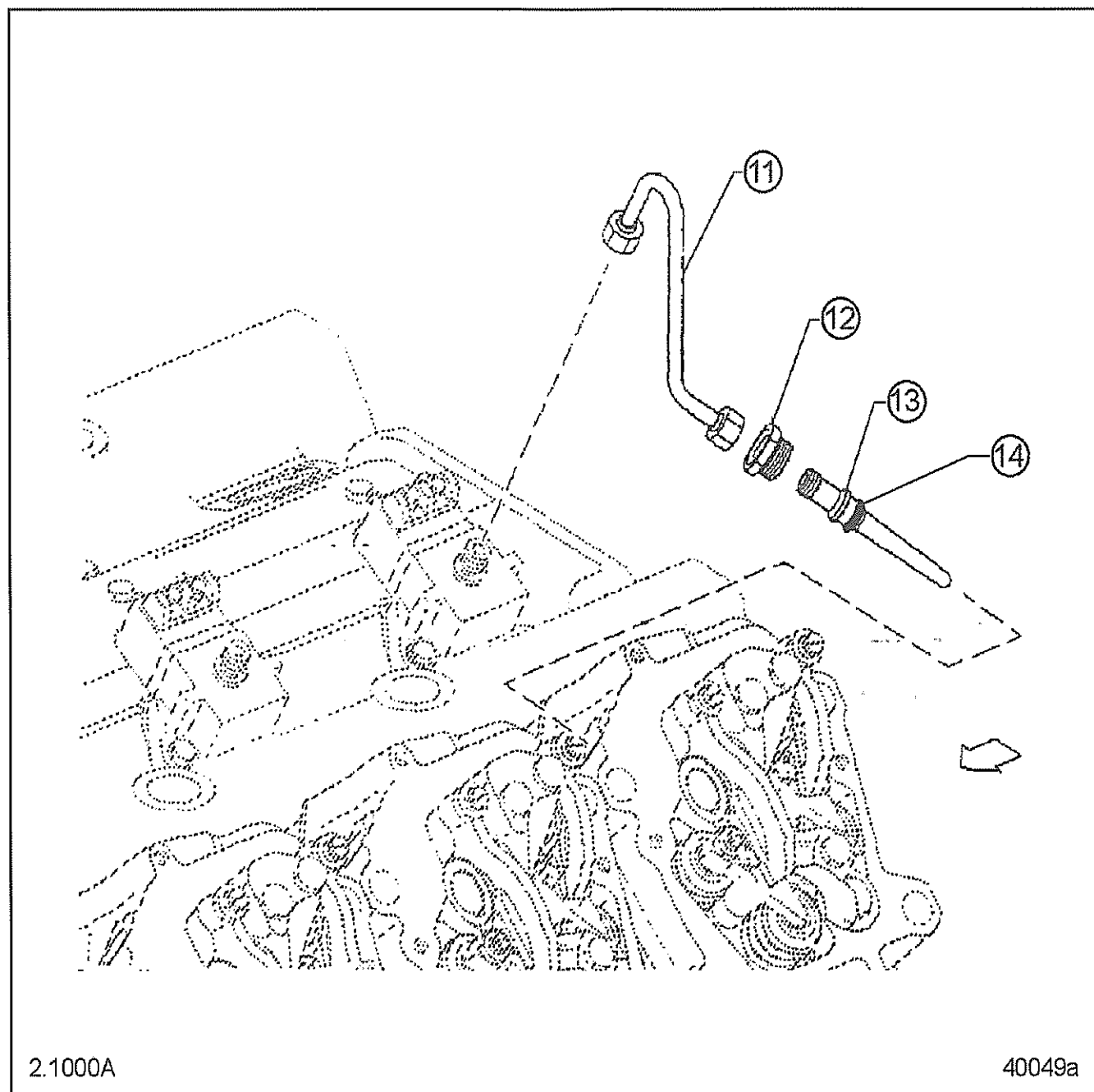


FIG 2 of 02.1A

DETROIT DIESEL

SERIES 2000

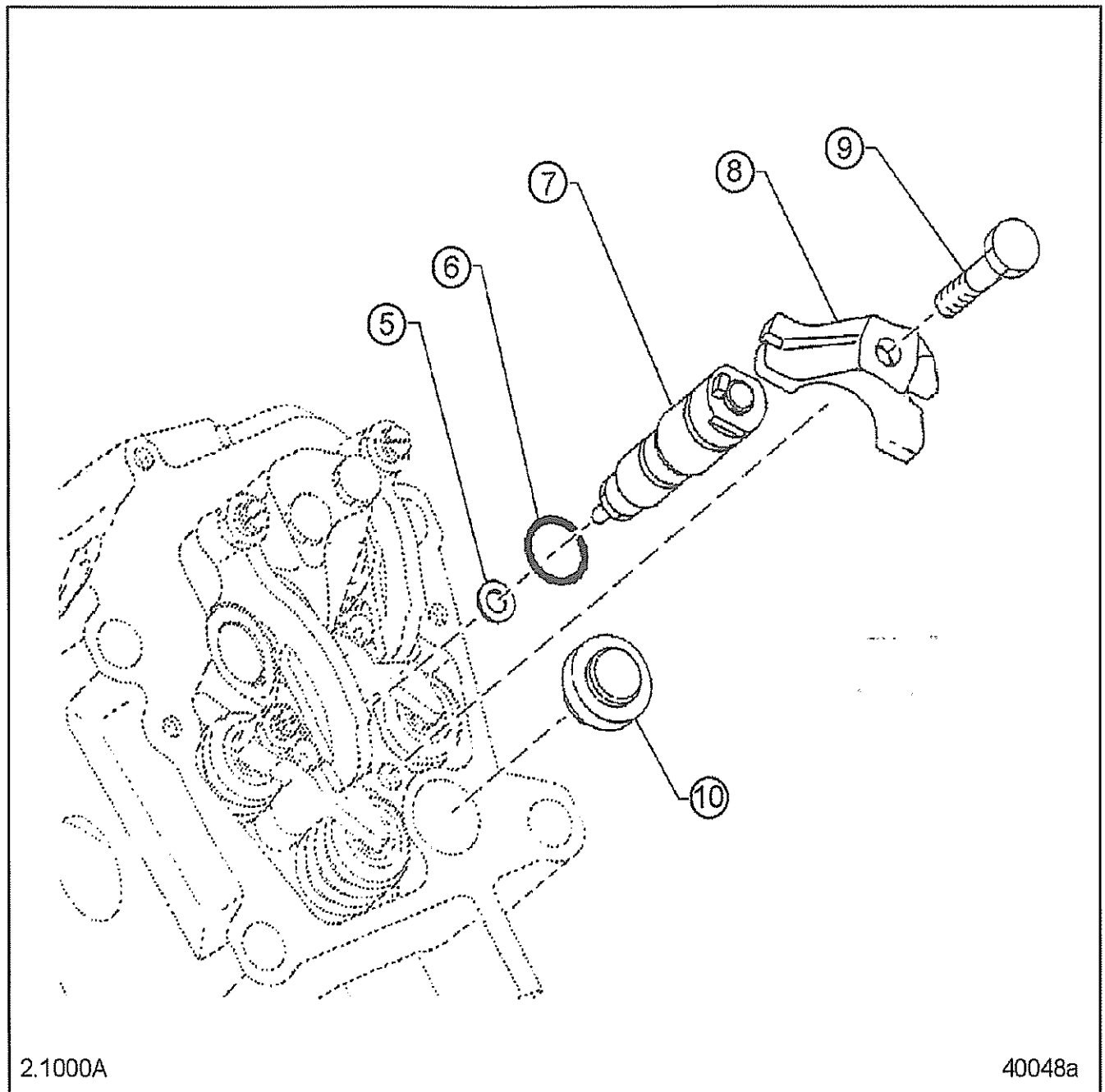


FIG 3 of 02.1A

				TYPES										

				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.										
				9	9	9							
		02.1B INJECTOR, CONTROLS ELECTRONIC		4	6	6							
				7	0	2							
	02.1B501	MODULE ASSY., ELECTRONIC CONTROL (ECM)											
	5275304760	CONTROL UNIT, ELECTRONIC			1								
	02.1B610	SENSOR, MAG. IDLER											
	0005357433	SENSOR, SPEED		2									
	02.1B630	SENSOR, OIL, FUEL OR COOLANT TEMPERATURE											
	0035352531	SENSOR, PRESSURE (10 BAR)		1									
	02.1B647	SENSOR, AIR TEMPERATURE											
	0005356430	SENSOR, AIR/FUEL/WATER TEMPERATURE		4									
	0035352731	SENSOR, PRESSURE		1									
	02.1B700	HARNESS, ELECTRONIC DISTRIBUTOR UNIT TO INJECTOR											
	5365306021	HARNESS, WIRING ECU-X4 INJECTOR		1									
	02.1B704	HARNESS, ENGINE SENSORS TO ECM											
	000125006431	WASHER A6.4 14 OHV DBL8451.11 DIN 125			2								
	000125008427	WASHER A8.4			5								
	000125010524	WASHER A10.5			4								
	0005334843	RETAINER, TOP DN23			1								
	0005334943	bracket, TOP DN17			2								
	0005335043	RETAINER, TOP DN10			1								
	0005461220	STRIP ASM			1								
	000933006175	BOLT, M6 X 16 8.8			1								
	000933010035	BOLT, M10 X 25			1								
	000933010089	BOLT M10 X 20			1								
	000934006006	NUT, HEX M6			1								
	000934008008	NUT, HEX M8			4								
	007349008002	WASHER			2								
	304017008077	BOLT, M8 X 16 8.8			1								
	304017008083	BOLT, M8 X 30			2								
	5221530026	DAMPER, SPR ADJ WRG HARNESS			4								
	5221531640	RETAINER			1								
	5221531740	RETAINER			1								
	5225460043	BRACKET			1								
	5241503976	RETAINER ASSY., WRG HARNESS			2								
	5241505573	RETAINER ASSY., WRG HARNESS			1								
	5241506473	BRACKET ASSY., wiring harness			1								
	5241534240	BRACKET, 62.5 X 55 37.5 X 2.5			1								
	5365306121	HARNESS, WIRING ECU-X2 SENSOR MIT RADOX		1									
	02.1B740	HARNESS, POWER INTERFACE											
	5105302034	HARNESS, ENGINE CLT 340		1									

					TYPES									
02.2 FUEL PUMP														
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.		3	7	6							
	02.2001	PUMP ASSY., FUEL												
	00000003110	Bolt, M8 1.25 x 60 10.9	1											
	000125008427	WASHER A8.4	11											
	000125013012	WASHER A13	2											
	000933012056	BOLT M12X30MM	2											
	0009900384	Union, Banjo	1											
	0019903463	Screw, Banjo	3											
	007603018101	007603018101	9											
	304017008079	BOLT, M8 X 20 8.8	3											
	5220700181	Hose, Fuel Tube Assy.	1											
	5220700281	Hose Assy., Fuel Line	1											
	5220705281	HOSE, FUEL TUBE SUPPLY	1											
	5220780031	Union, 30 x 36	1											
	5220781241	Bracket, 66 x 20 x 6	1											
	5220900150	Pump., Fuel Priming	1											
	5220910045	Flange	1											
	5319971132	PLUG ASSY., M18 X 1.5	2											
	5360910201	PUMP ASSY., FUEL 16V; USE: E23526550	NS											
	700294015004	RING O 15.5 X 2.5 MMN 294 M91CE S2000	2											
	E23526550		1											
	02.2007	GASKET, FUEL PUMP TO ENGINE OR DRIVE ASSEMBLY												
	5220910080	Gasket	1											
	5360780380	GASKET M91CE 16V S2000	8											
	02.2008	Pipe Assy., Fuel Injector												
	304017008091	Bolt, M8 1.25 x 55 10.9 Hex	7											
	5220701277	MANIFOLD, FUEL SUPPLY	1											
	5221531540	Bracket, 50 x 16 x 5	7											
	02.2035	Valve Assy., Fuel Pump Check												
	000125008427	WASHER A8.4	2											
	304017008077	BOLT, M8 X 16 8.8	2											
	5220700046	Valve, Non Return	1											
	5220700346	Valve, Press Relief Assy.	1											
	02.2228	DISC, FUEL PUMP DRIVE												
	000125008427	WASHER A8.4	3											
	05150193	GASKET (FUEL PUMP TO DRIVE ASSY.) (5.1010)	1											
	304017008083	BOLT, M8 X 30	3											
	5220910071	Bolt, M10 x 49.5 6.5 42CRM00	1											
	5360910525	Driver, M91CE	1											
	5360920080	Gasket; USE: 05150193	NS											
	915001013003	NUT	1											
	915005013004	CONE, SEALING	1											

			TYPES										
02.2 FUEL PUMP			ASSY. QTY.	3	7	6							
FIG REF.	PART NO.	NAME AND DESCRIPTION											
	02.2228	DISC, FUEL PUMP DRIVE											

				TYPES											
02.3A FUEL FILTER AND STRAINER															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	1	0	4								
	02.3A260	BRACKET, FUEL STRAINER MOUNTING													
	5220900541	Bracket		1											
	02.3A310	FILTER ASSY., FUEL													
	0020922801	FILTER, EASY CHANGE		1											

02.5A FUEL LINES AND FUEL COOLER				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	2									
	02.5A205	TUBE, FUEL DRAIN CROSSOVER		4									
	000125008427	WASHER A8.4		8									
	304017008077	BOLT, M8 X 16 8.8		8									
	5220704881	Hose Assy., Fuel Line		1									
	5220705432	Hose Assy., Fuel Line		1									
	916016006202	CLAMP, BRSGU		1									

- 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
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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**
 - 03.1A AIR CLEANER AND/OR ADAPTOR
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
 - 03.7 INTERCOOLER/AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

				TYPES									
03.3C AIR INTAKE MANIFOLD				6	6								
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	2								
	03.3C801	AIR INTAKE MANIFOLD											
	000000000681	CLAMP 160-180X13-SW8-W3 MBN 10223 POLYAM		2	4								
	0000943268	GAUGE VACUUM MARINE			2								
	000125008427	WASHER A8.4			2								
	000125010524	WASHER A10.5			5								
	0005335043	RETAINER, TOP DN10			2								
	000908010002	PLUG THREADED		2									
	000913008103	screw, grub m8 x 20 45h		12									
	000933010093	BOLT M10 X 35			4								
	000933010144	BOLT, M10 X 60.0 LG			1								
	000933010150	BOLT, M10 X 55			2								
	000934010005	NUT			1								
	0009973375	ADAPTOR, FITTING W/SINTERED FILTER			2								
	007349008002	WASHER		24	1								
	007349010002	WASHER, 10.5 STL			3								
	007603010107	RING SALING A10 X 16 DIN7603 ST DBL8451		2									
	304017008079	BOLT, M8 X 20 8.8		4									
	304017008081	BOLT, M8 X 25 8.8 LG			2								
	304017008084	BOLT, M8 X 35 8.8		12									
	304017008087	BOLT, M8 X 50 8.8			1								
	304017008089	BOLT, M8 X 60.0		8									
	5220900141	bracket			1								
	5220981438	Manifold, Charge Air		1									
	5225460043	BRACKET			1								
	5241505076	bracket			1								
	5241505776	Bracket		1									
	5241506473	BRACKET ASSY., wiring harness		3									
	5241508673	retainer assy			1								
	5319971132	PLUG ASSY., M18 X 1.5		1									
	5319971432	PLUG ASSY., M14 X 1.5		2									
	5350900337	Manifold Assy., Air Intake Front		1									
	5620984139	BRACKET			1								
	700336150007	Sleeve, Rubber 150 x 80		1									
	700336160009	Sleeve, Rubber 160 x 300MMN 336			2								
	700429530000	ring-o, 530 x 5mmn 429 m90ce		1									
	03.3C803	GASKET, AIR INTAKE MANIFOLD											
	4571410080	GASKET, INTAKE MANIFOLD		16									
	03.3C808	ELBOW AIR INTAKE MANIFOLD											
	5220900128	elbow			2								

				TYPES										
03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER				2	2									
				0	0									
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.	8	9									
REF.			QTY.	9	0									
03.5A001		TURBOCHARGER												
	0070964099	TURBOCHARGER, K37-467100AYB 32.22GAAYD			2									
03.5A432		HOUSING/BASE, INTERCOOLER CHARGE AIR COOLER												
	0005335043	RETAINER, TOP DN10		3										
	000908014001	PLUG, M14 X 1.5		1										
	007349008002	WASHER		3										
	007603014102	WASHER, A14 X 18 COPPER		1										
	304017008085	BOLT, M8 X 40 8.8		2										
	304017008086	BOLT, M8 X 45 8.8		1										
	5241506473	BRACKET ASSY., wiring harness		2										
03.5A500		TUBE, TURBOCHARGER OIL SUPPLY												
		REFER TO AIR BOX DRAIN TYPE FOR TURBO OIL DRAIN LINES.												
	000125010524	WASHER A10.5		2										
	000933010094	BOLT, M10 X 40 8.8		2										
	4471870180	GASKET		1										
	5221801319	LINE, OIL		1										
	700325015100	CLAMP, TUBE HALF		4										
	700327010000	GROMMET, M10		2										
03.5A502		CLIP, TURBOCHARGER OIL SUPPLY TUBE												
	000125008427	WASHER A8.4		4										
	000933012056	BOLT M12X30MM		8										
	007349008002	WASHER		4										
	007349013002	WASHER M13		8										
	304017008081	BOLT, M8 X 25 8.8 LG		4										
	304032008014	Nut, Hex M8		4										
	5221870340	Bracket		1										
	5221870440	Bracket		1										
	5221870640	Bracket		2										
	916016022202	CLAMP, BRSGU		4										
03.5A505		TUBE, TURBOCHARGER OIL RETURN												
	000125008427	WASHER A8.4		9										
	000125010524	WASHER A10.5		6										
	000931008216	BOLT, M8 X 100		1										
	000933010035	BOLT, M10 X 25		4										
	000933010094	BOLT, M10 X 40 8.8		2										
	007603014102	WASHER, A14 X 18 COPPER		3										
	271511030000	GASKET, 30 X 53 X 1.5		2										
	304017008077	BOLT, M8 X 16 8.8		1										
	304017008084	BOLT, M8 X 35 8.8		3										

		TYPES										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.									
		03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		2	2							
				0	0							
				8	9							
				9	0							
	03.5A505	TUBE, TURBOCHARGER OIL RETURN										
	4471870180	GASKET		1								
	5220140045	Flange		2								
	5221801922	Line, Oil Return		1								
	5221802019	Line, Oil		1								
	5221802819	Line, Oil		1								
	5221802919	LINE, OIL		1								
	5221803019	LINE, OIL		1								
	5241505876	RETAINER WIRING HARNESS S2000		1								
	5501871280	GASKET		2								
	5531530153	SPACER, 50MM		1								
	5569970674	FITTING		2								
	700325015100	CLAMP, TUBE HALF		10								
	700327010000	GROMMET, M10		5								
	915011008101	BOLT „BANJO M8		5								
	915013008002	REDUCER		1								
	916016010203	CLAMP, BRSGU 10/20		1								

				TYPES									
03.7 INTERCOOLER/AFTERCOOLER													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	8									
	03.7001	INTERCOOLER ASSY./ CHARGE AIR COOLER		0									
	000125008427	WASHER A8.4		9									
	000931008173	BOLT, M8 X 65 8.8		3									
	000933008114	BOLT, M8 X 22		6									
	0030987420	intercooler		1									
	5220980074	pin		2									
	03.7003	BRACKET, INTERCOOLER MOUNTING											
	000125008427	WASHER A8.4		3									
	0005334843	RETAINER, TOP DN23		1									
	304014008029	BOLT, M8 X 70 8.8		3									
	5241505573	RETAINER ASSY., WRG HARNESS		1									
	5500210040	BRACKET		1									
	5500780446	BRACKET		1									
	03.7070	TUBE, INTERCOOLER WATER INLET											
	5220981207	pipe, charge-air		2									
	700429075001	SEAL RING, 75 X 5		2									
	700429085002	SEAL RING, 85 X 6		2									

- 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
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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**
 - 03.1A AIR CLEANER AND/OR ADAPTOR
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
 - 03.7 INTERCOOLER/AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

04

				TYPES									
04.1A OIL PUMP													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	2	4	2							
	04.1A001	PUMP ASSY., OIL											
	000125010524	WASHER A10.5	3										
	000931010154	BOLT M10 X 110.0 LG; USE: 304014010021	NS										
	0021805101	Pump Assy., Oil	1										
	304014010021		3										
	04.1A222	FLANGE, OIL PUMP COVER											
	000125008427	WASHER A8.4	6										
	000912008009	Screw, M8 1.25 x 20 8.8 Hex	3										
	304017008081	BOLT, M8 X 25 8.8 LG	6										
	5221870053	Pipe, Plug-In	1										
	5221870245	Flange, Oil Pump	2										
	5221870345	Flange, Oil Pump	1										
	700429040003	O-Ring, 40 x 5	2										
	700429055001	SEAL RING, 55 X 5	1										
	700429063000	SEAL RING, 63 X 5	2										

DETROIT DIESEL

SERIES 2000

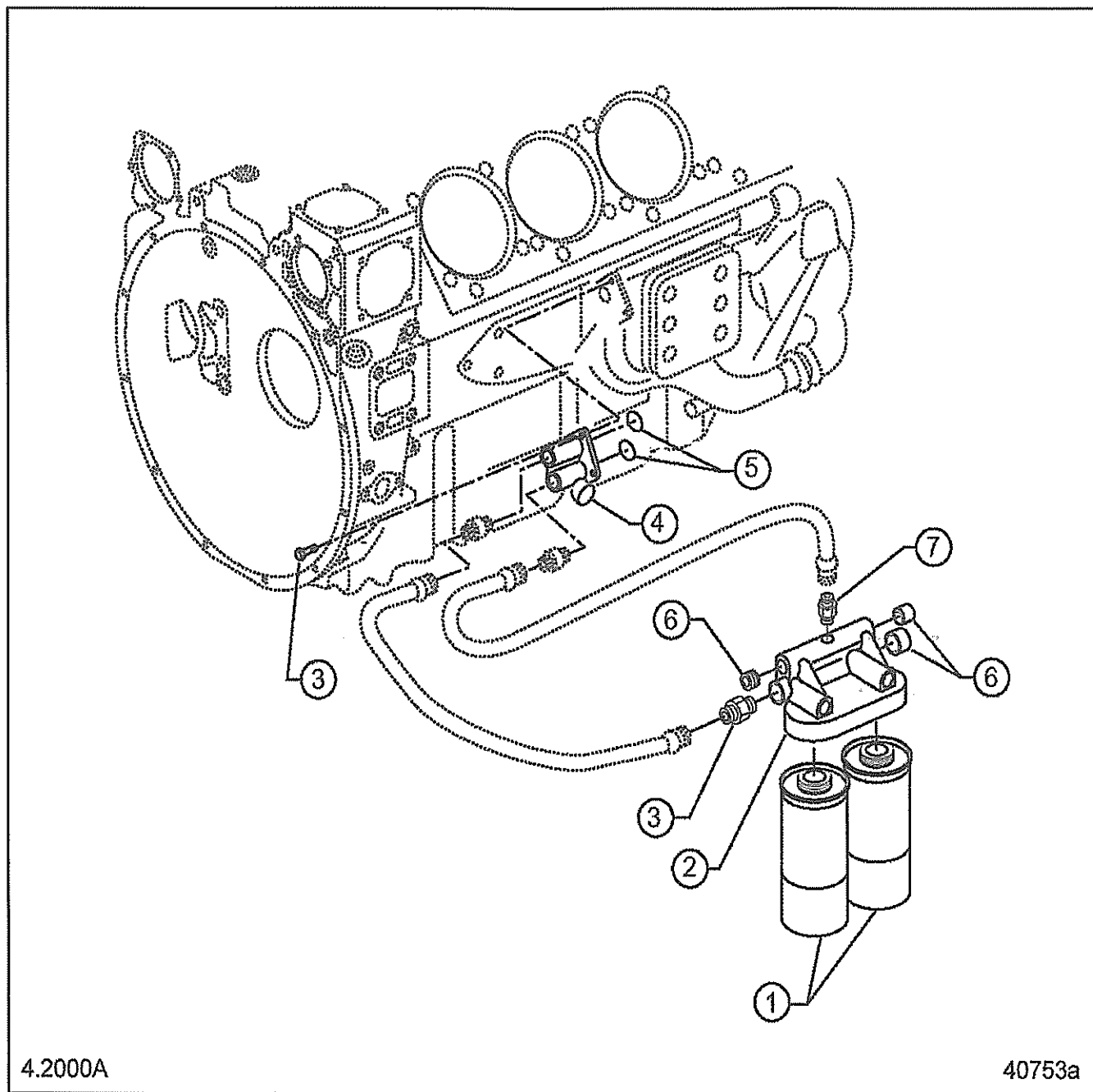


FIG 1 of 04.2A

DETROIT DIESEL

SERIES 2000

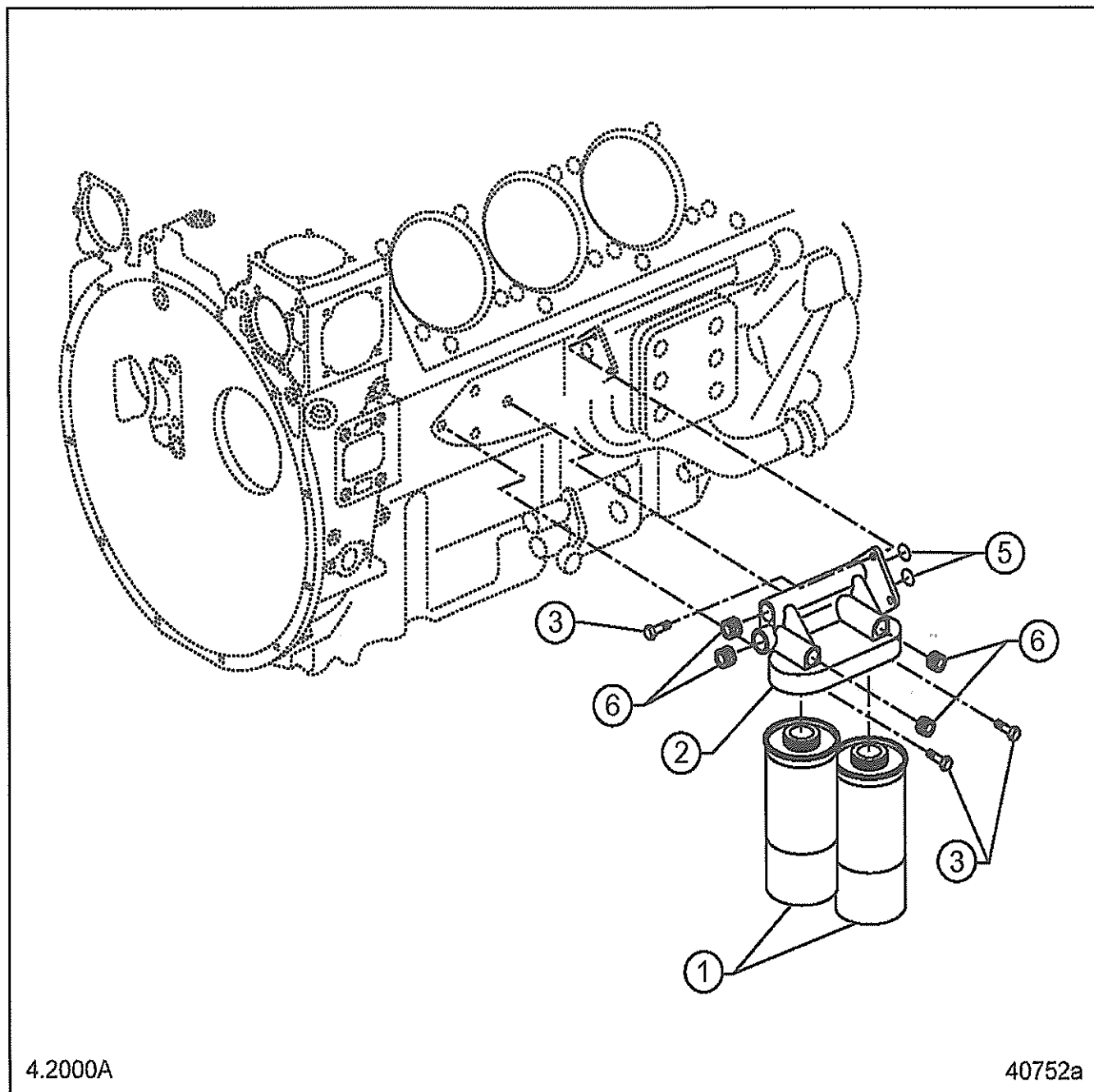


FIG 2 of 04.2A

				TYPES										
04.2A OIL FILTER														
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	7										
				2										
				0										
	04.2A250	ELEMENT, OIL FILTER												
2:1	0031845301	FILTER ELEMENT OIL 302X136 M90CE/M91CE	2											
	04.2A291	ADAPTOR, OIL FILTER COVER												
	000125010524	WASHER A10.5	3											
2:3	000931010336	BOLT, M10 X 130 LG	3											
2:2	5221800138	Adaptor, Oil Filter	1											
	04.2A293	GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR												
2:5	700429042002	O-Ring, 42 x 4 MMN429	2											

DETROIT DIESEL

SERIES 2000

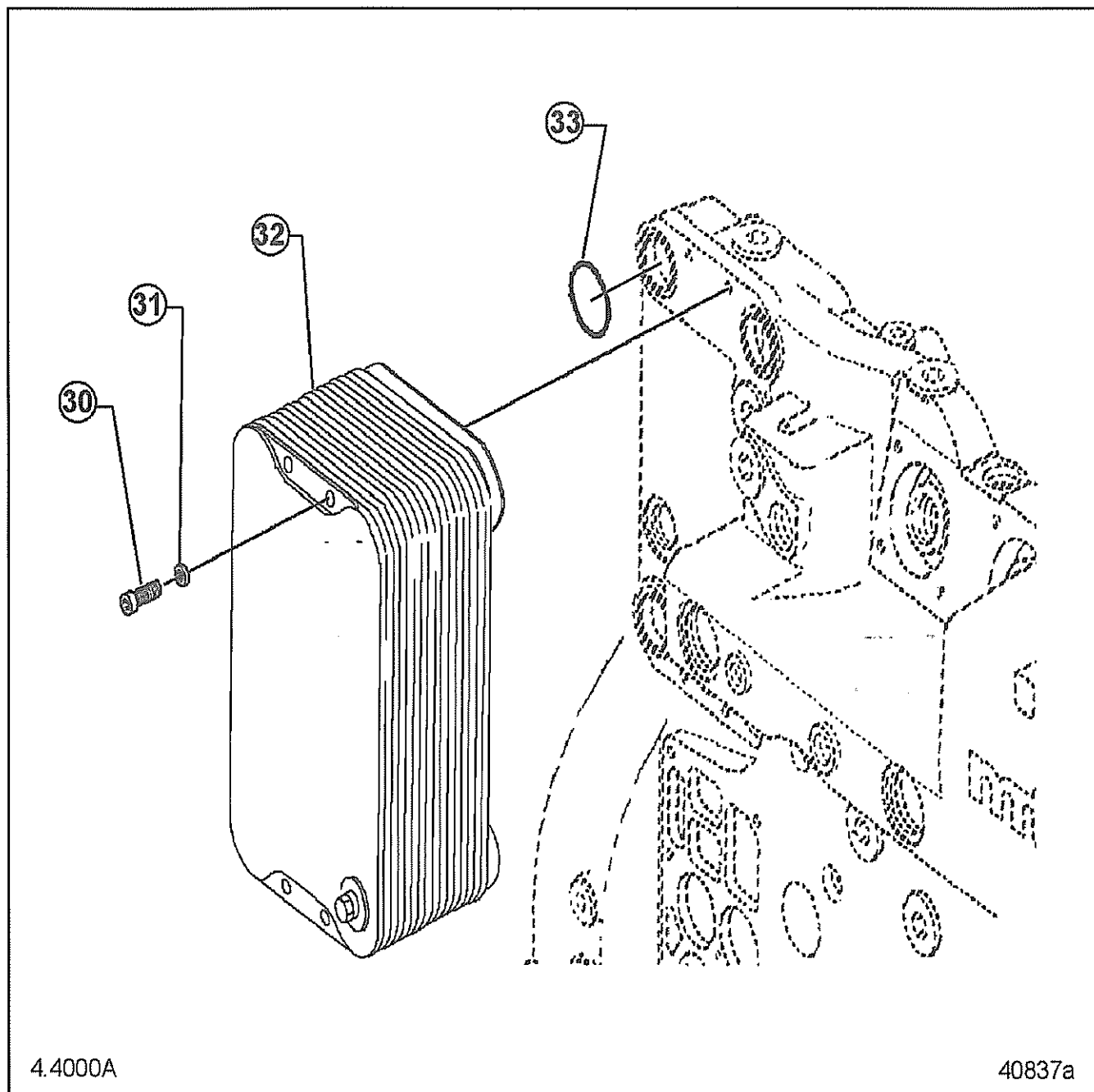


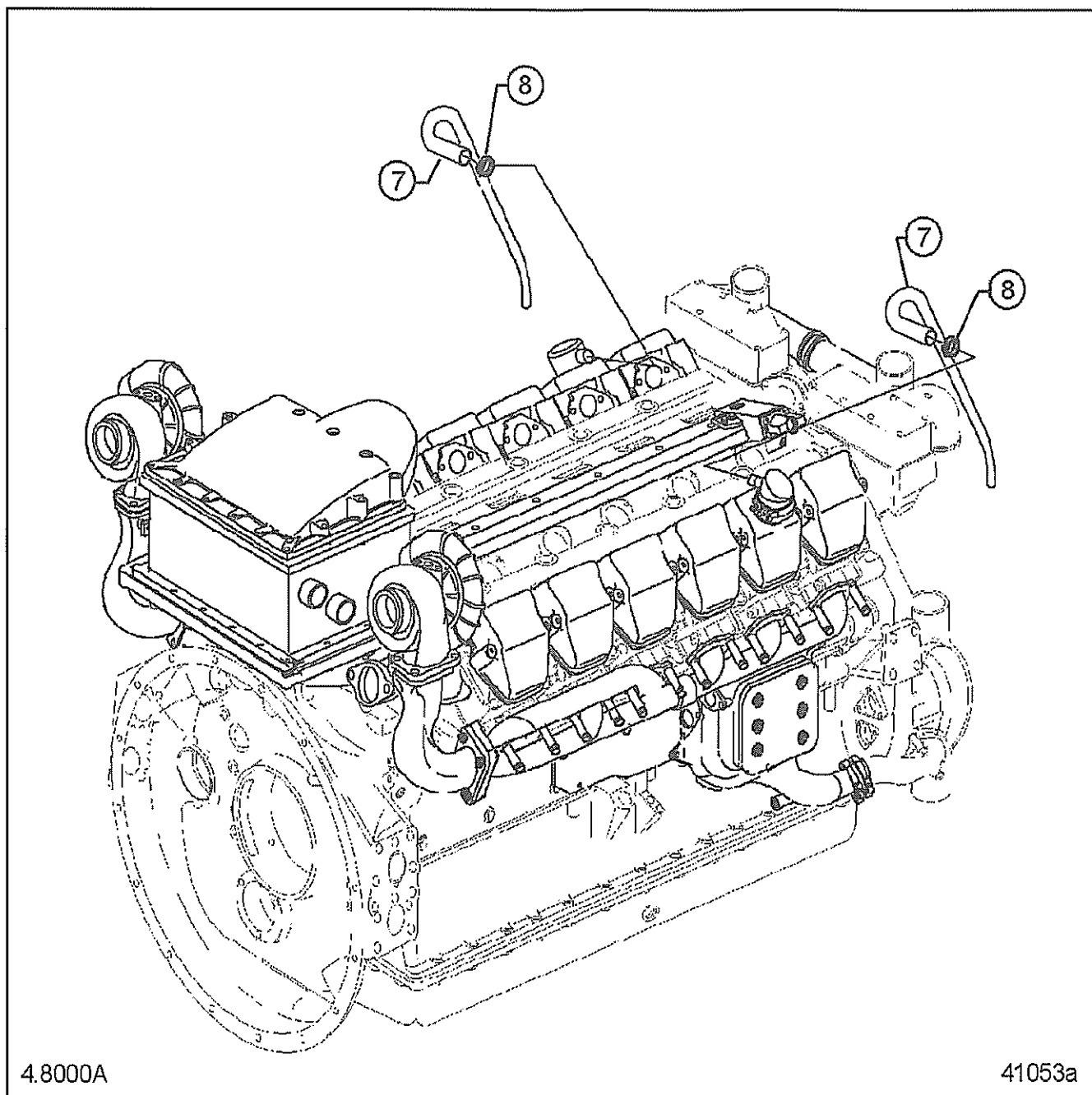
FIG 1 of 04.4A

		TYPES											
		04.4A OIL COOLER AND MARINE GEAR LINES											
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.										
REF.			QTY.										
	04.4A001	CORE, OIL COOLER ENGINE											
1:32	0001805065	Exchanger, Oil Heat	1										
1:30	000912010066	Screw, M10 1.50 x 35 8.8 Hex	4										
1:31	200433010500	WASHER	4										
1:33	700429050003	SEAL RING, 50 X 4	4										

				TYPES											
04.7A OIL PAN															
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.	1											
REF.			QTY.	0											
				6											
				8											
	04.7A001	PAN, OIL													
	000125008427	WASHER A8.4	34												
	000125010524	WASHER A10.5	3												
	000912008062	BOLT, M8 1.25 X 50	3												
	000933010150	BOLT, M10 X 55	3												
	200433008400	WASHER	3												
	304017008087	BOLT, M8 X 50 8.8	34												
	5220141302	PAN, OIL	1												
	04.7A030	GASKET, OIL PAN TO BLOCK													
	5220140322	GASKET, OIL PAN	1												
	04.7A080	PLUG, OIL PAN DRAIN													
	000910030000	Plug, M30 x 1.5	4												
	000910038000	Plug, M38 x 1.5	1												
	007603030101	WASHER, A30 X 36 COPPER	4												
	007603038101	WASHER, A38 A 44 COPPER	1												
	04.7A100	TUBE, OIL PAN DRAIN													
	007603016105	WASHER, A16 X 20 COPPER	3												
	007603038101	WASHER, A38 A 44 COPPER	1												
	5221800022	Line, Oil Return	1												
	5221801522	Line, Oil Return	1												
	700223008000	Bolt, Banjo A8 MMN223	1												
	915013010001	UNION, M10 N	1												
	915013032000	ADAPTOR 32 N15013 DBL8451.21 M91CE S2000	1												

DETROIT DIESEL

SERIES 2000

**FIG 1 of 04.8A**

04.8A VENTILATING SYSTEM					TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	2	3	4	5	6	7	8	9	10	11
	04.8A001	PIPE ASSY, BREATHER												
	000000000668	CLAMP	3											
	5220102570	Tube	1											
	5220102770	VENT, LINE	1											
	5220103670	LINE, VENT	1											
	04.8A050	BODY, BREATHER OR SEPARATOR												
	0000187135	SEPARATOR, OIL	3											
	007603022105	SEAL, RING	2											
	007603038101	WASHER, A38 A 44 COPPER	2											
	007604022102	Screw Plug	1											
	5220180170	Union, Screw Fitting	2											
	915007013000	REDUCER, M22 X 1.5/M16 X 1.5	1											
	04.8A056	BRACKET, BREATHER/COLLECTOR MOUNTING												
	000125006431	WASHER A6.4 14 OHV DBL8451.11 DIN 125	12											
	304017006063	BOLT, M6 1.00 X 25 8.8	12											
	5360100134	SUPPORT ARM M91CE S2000	1											
	04.8A060	FILTER UNIT, BREATHER												
	000125008427	WASHER A8.4	8											
	304017008079	BOLT, M8 X 20 8.8	8											
	5220180540	Bracket	1											
	04.8A062	Hose, Collector Inlet												
	000000000667	CLAMP 20-32X13-SW8-W3 MBN10223 POLYAMID	22											
	000934008008	NUT, HEX M8	1											
	3769971582	Hose, Intake	7											
	4279971182	HOSE, INTAKE	1											
	4449975052	Hose, Intake 145MM	1											
	5220100282	TUBE, FLEXIBLE	1											
	5229970782	Hose, Intake 140MM	1											
	5229970882	HOSE, INTAKE	1											
	916016035201	CLAMP BRSGU 35/20 N16016 M91CE S2000	2											
	04.8A100	VENT, CYLINDER HEAD												
	5220100030	cover, cylinder head	7											
	910105008022	BOLT, ROCKER COVER MOUNTING S2000	14											
	04.8A110	GASKET, CYLINDER HEAD VENT												
	5310160021	GASKET, VALVE COVER	7											
	04.8A187	HOSE, OIL DRAIN												
	000000001076	BOLT, M10 1.50 X 70 8.8	1											
	000125008427	WASHER A8.4	4											
	000125010524	WASHER A10.5	1											
	000931008216	BOLT, M8 X 100	1											

04.8A VENTILATING SYSTEM				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	1	2	3	4	5	6	7	8	9	10
	04.8A187	HOSE, OIL DRAIN											
	007349008002	WASHER	1										
	007603016105	WASHER, A16 X 20 COPPER	2										
	304014008029	BOLT, M8 X 70 8.8	2										
	304017008085	BOLT, M8 X 40 8.8	1										
	5220181640	Bracket, 65.9 x 20	1										
	5221806419	Line, Oil	1										
	5221806519	Line, Oil	1										
	5511532150	SPACER, SLEEVE	1										
	700325018100	CLAMP, HALF TUBE	14										
	700325018109	CLAMP, HALF	2										
	700327012000	GROMMET, M12	8										
	900195008107	Insert, Thread	2										
	915011010101	Bolt, Banjo	1										

- 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
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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**
 - 03.1A AIR CLEANER AND/OR ADAPTOR
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
 - 03.7 INTERCOOLER/AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

				TYPES									
05.1 FRESH WATER PUMP													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	3									
				8									
				2									
05.1001		PUMP ASSY., FRESH WATER											
	000125008427	WASHER A8.4	2										
	000125013012	WASHER A13	3										
	000908018002	PLUG, M18 X 1.5	1										
	000931008209	BOLT, M8 X 95	2										
	000931008219	BOLT, M8 X 110 8.8	2										
	000931012241		3										
	5222001701	PUMP ASSY., WATER 16V2000	1										
	5222030222	elbow	1										
	5222031840	RETAINER	1										
05.1010		GASKET, FRESH WATER PUMP											
	5611871680	GASKET	1										
	700429090000	O-RING 90 X 5 MMN 429 M91CE S2000	2										

				TYPES									
05.2B THERMOSTAT													
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	5	3	4							
	05.2B050	THERMOSTAT ASSY.											
	0052031775	Thermostat, Actuator 120 Deg C	3										
	05.2B090	HOUSING, THERMOSTAT											
	000125008427	WASHER A8.4	10										
	000125010524	WASHER A10.5	2										
	0005335043	RETAINER, TOP DN10	1										
	000908026005	PLUG M26X1.5 ST	1										
	000931008144	BOLT, M8 X 120	2										
	000931008207	BOLT, M8 X 90 8.8	2										
	000931008219	BOLT, M8 X 110 8.8	3										
	000931008257	Bolt, M8 1.25 x 115 8.8-A Hex	3										
	000933010035	BOLT, M10 X 25	1										
	000933010089	BOLT M10 X 20	1										
	007349008002	WASHER	2										
	007603026104	WASHER A26X31 COPPER	1										
	5220780741	Clip, 90 Deg	1										
	5220781341	Retainer	1										
	5222000516	Housing, Thermostat	1										
	5222030222	elbow	1										
	5222031940	Bracket, Retainer	1										
	5241507173	Retainer	1										
	5501310441	Retainer	1										
	735151010100	WASHER, A10.5	1										
	8331501573	RETAINER	2										
	05.2B110	GASKET, THERMOSTAT HOUSING											
	0002034480	SEALING RING; USE: 05132155	NS										
	05132155	SEAL	3										
	5611871680	GASKET	1										
	700429075001	SEAL RING, 75 X 5	1										

05.2C WATER BYPASS TUBE				TYPES									
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	5	1	3							
	05.2C250	TUBE WATER BYPASS VENT											
	000125008427	WASHER A8.4	3										
	000934008008	NUT, HEX M8	1										
	007603014102	WASHER, A14 X 18 COPPER	1										
	007603030101	WASHER, A30 X 36 COPPER	1										
	304017008083	BOLT, M8 X 30	1										
	304017008084	BOLT, M8 X 35 8.8	1										
	5222000182	TUBE ASSY., VENT LINE	1										
	5222000218	Elbow, Vent Line	1										
	700325015100	CLAMP, TUBE HALF	2										
	915001006003	NUT	1										
	915001025004	NUT, DOMED	1										
	915005006000	CONE, SEALING	1										
	915005025002	SEALING CONE 28 MBN 15005 ST M91CE S2000	1										
	915013008002	REDUCER.	1										
	915013025001	UNION	1										
	916016018202	CLAMP, BRSGU 18/20	1										

				TYPES											
05.3B WATER CONNECTIONS															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	6	3	2									
	05.3B269	TUBE, TURBOCHARGER WATER RETURN													
	000000000672	Clamp	4												
	000125008427	WASHER A8.4	2												
	000912010038	BOLT	6												
	000931008219	BOLT, M8 X 110 8.8	2												
	007349008002	WASHER	4												
	200433010500	WASHER	6												
	304017008087	BOLT, M8 X 50 8.8	4												
	5222004151	TUBE, COOLANT LINE	1												
	5222004351	TUBE, COOLANT LINE	1												
	700325050100	CLAMP, HALF TUBE	5												
	700325050200	Clamp, Half Tube	3												
	700368050005	Sleeve, Rubber 50 x 150MMN368	2												
	700489050001	Gasket	2												

					TYPES									
05.4A FAN														
FIG	PART NO.	NAME AND DESCRIPTION	ASSY.		1	1								
REF.			QTY.		9	9								
					0	1								
					8	0								
05.4A021		HOSE, OIL DRAIN												
	007603012111	WASHER, A12 X 15.5 COPPER				3								
	5221805219	Line, Oil				1								
	5221805719	Line, Oil				1								
	5582540367	Nozzle				1								
	915013006002	UNION				3								
05.4A022		HOSE., OIL SUPPLY												
	000125008427	WASHER A8.4				1								
	007603018104	RING, SEALING A18 X 24				2								
	304017008085	BOLT, M8 X 40 8.8				1								
	5221803919	Line, Oil				1								
	700160000010	Elbow, 90Deg				1								
	700325018100	CLAMP, HALF TUBE				2								
	700327012000	GROMMET, M12				1								
	735038010111	Hose				1								
	8331501773	BRACKET, W/NUT				1								
	915006010002	UNION				2								
	916016020202	CLAMP BRSGU 20/20 N16016 M91CE S2000				1								
05.4A330		PULLEY, FAN BELT IDLER												
	000125017014	WASHER A17 140HV			10									
	304014016005	BOLT, M16 X90			10									
	5221550115	PULLEY, BELT			1									
	5222061010	belt, pulley			1									
	5222061510	belt, pulley			1									
	5229970292	kit, v belt			1									
05.4A340		TENSIONER, BELT												
	000000003062	Bolt, m10 1.50 x 130			3									
	5222000070	roller, tensioning			1									
05.4A368		FLANGE, THERMO FAN DRIVE												
	000125010524	WASHER A10.5			12									
	000933010150	BOLT, M10 X 55			12									
	5222060045	Flange			1									

- 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
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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**
 - 03.1A AIR CLEANER AND/OR ADAPTOR
 - 03.3C AIR INTAKE MANIFOLD
 - 03.5A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER
 - 03.7 INTERCOOLER/AFTERCOOLER
- 04 LUBRICATING SYSTEM**
 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

				TYPES											
06.1A EXHAUST MANIFOLD AND/OR CONNECTIONS				8	8										
				2	2										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	5	6										
06.1A010		GASKET, EXHAUST MANIFOLD													
	0001423657	Seal ring		8											
	4601420080	GASKET		16											
	5411420180	GASKET; USE: 4601420080		NS											
	5511421180	GASKET			2										
06.1A018		ELBOW, EXHAUST MANIFOLD													
	000908018003	Plug, m18 x 1.5 threaded			6										
	200933010001	Bolt, m10 1.50 x 35			6										
	5221420101	ELBOW, EXHAUST		4											
	5221422101	Elbow, exhaust		2											
	5511421201	ELBOW, EXHAUST			2										
06.1A020		STUD, EXHAUST MANIFOLD TO HEAD													
	200931010004	BOLT, M10 1.50 X 90			4										
	200934010000	NUT, HEX M10		8											
	200939010006	Stud, m10 x 30 nicr20tial ah		8											
	207603018301	Washer, c18 x 22			6										
	5509901540	WASHER		8	10										
06.1A025		BOLT, EXHAUST MANIFOLD TO HEAD													
	200933010027	Bolt, m10 1.50 x 105		32											
	4031420212	CLAMP, EXHAUST MANIFOLD		28											
	5221420012	Spacer, 36 x 24.5		4											

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 - 01.3A CRANKSHAFT FRONT COVER
 - 01.3B VIBRATION DAMPER
 - 01.4A FLYWHEEL
 - 01.5A FLYWHEEL, HOUSING
 - 01.6 CONNECTING ROD AND PISTON
 - 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
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 - 03.7 INTERCOOLER/AFTERCOOLER
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 - 04.1A OIL PUMP
 - 04.2A OIL FILTER
 - 04.4A OIL COOLER AND MARINE GEAR LINES
 - 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
- 07 ELECTRICAL INSTRUMENTS**
 - 07.1A BATTERY, CHARGING GENERATOR
 - 07.3A STARTING MOTOR

DETROIT DIESEL

SERIES 2000

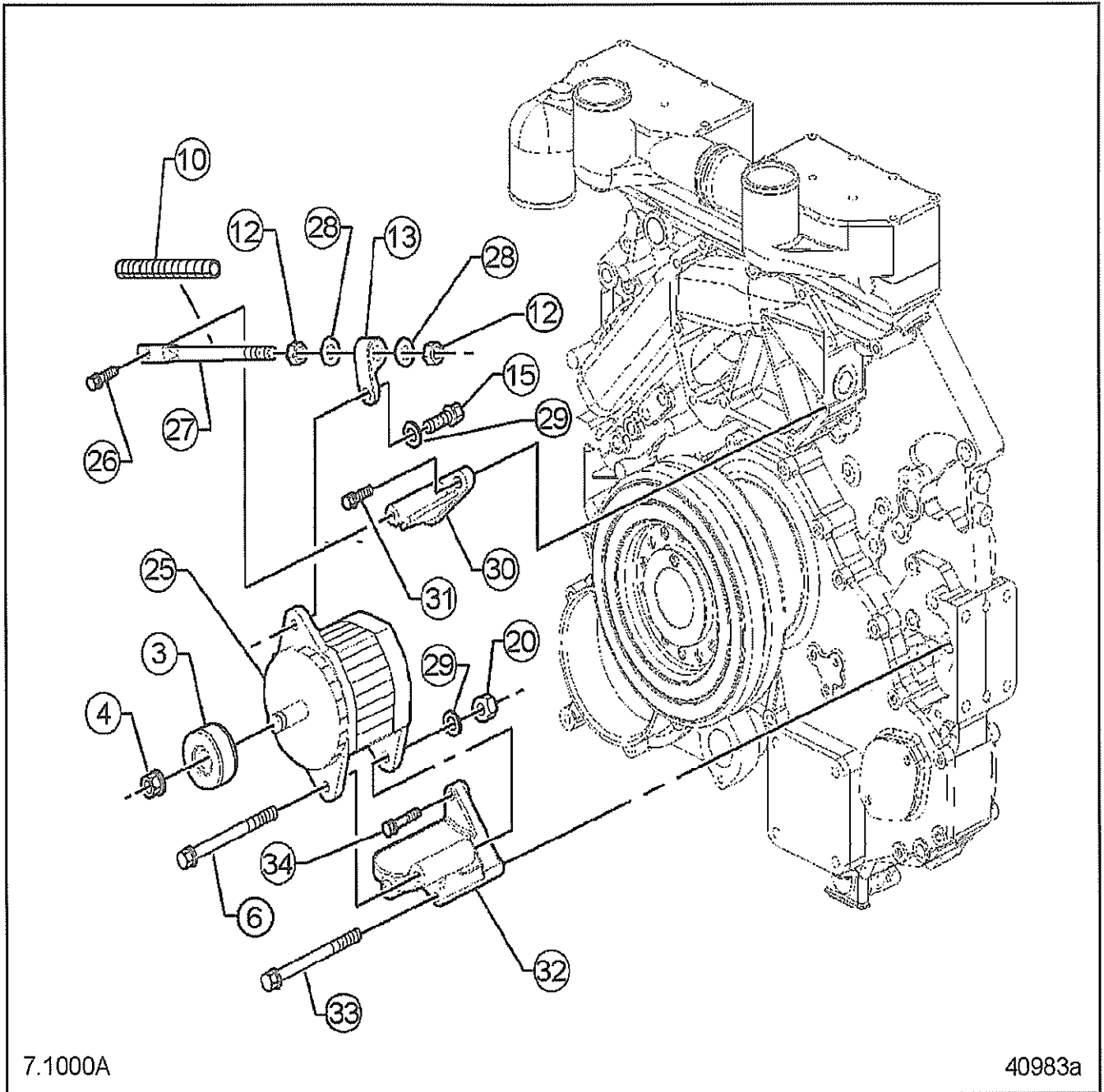


FIG 1 of 07.1A

				TYPES										
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.											
				2										
		07.1A BATTERY, CHARGING GENERATOR		6										
				6										
				4										
	07.1A001	GENERATOR ASSY.												
	000125013012	WASHER A13		2										
	000931012216	BOLT, M12 1.75 X 160 8.8		1										
	000934012008	NUT, HEX M12		1										
	19010182	GEN CHRG AC 24V70A NG CW/CCW 21SI		1										
	07.1A500	PULLEY, GENERATOR												
	5221550215	pulley, belt		1										
	07.1A575	BELT, GENERATOR DRIVE												
	0139973692	belt, poly-v		1										
	07.1A582	BRACKET, GENERATOR ADJUSTING STRAP												
	000125013012	WASHER A13		2										
	000931012150	BOLT, M12 1.75 X 90 8.8		1										
	000934012008	NUT, HEX M12		1										
	00186689	BOLT, 1/2"-13X2"		1										
	3141550528	clamp		1										
	3521550272	nut, hex m12		1										
	5221550076	washer		1										
	5221580170	bolt, adjusting m12 x 85 x 12.7		1										
	07.1A595	BRACKET, GENERATOR MOUNTING												
	000125010524	WASHER A10.5		4										
	000933010150	BOLT, M10 X 55		4										
	5221550435	support		1										

DETROIT DIESEL

SERIES 2000

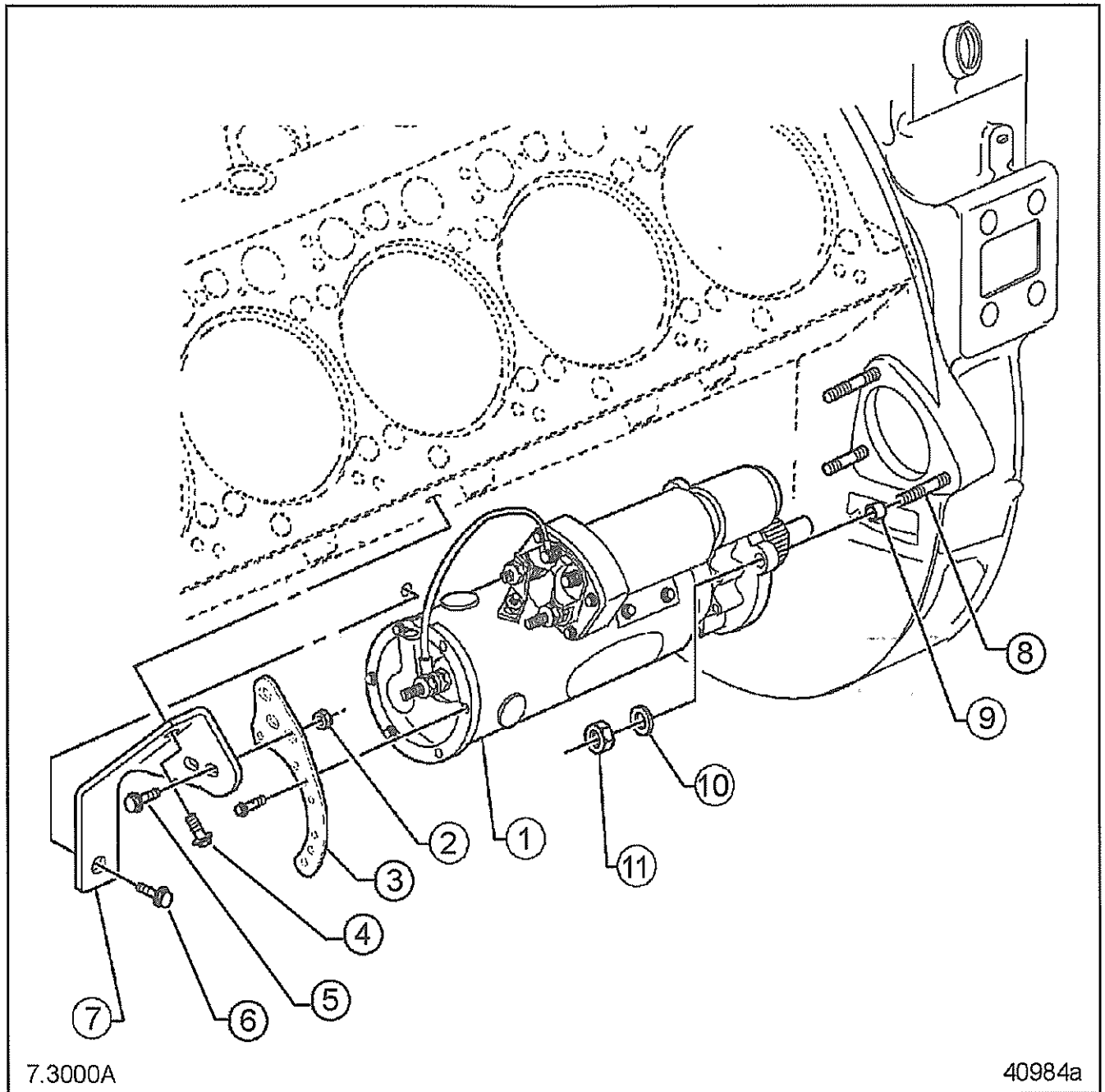


FIG 1 of 07.3A

				TYPES											
07.3A STARTING MOTOR															
FIG REF.	PART NO.	NAME AND DESCRIPTION	ASSY. QTY.	4											
	07.3A001	MOTOR ASSY., STARTING		4											
	000125017014	WASHER A17 140HV		7											
	000934016019	NUT, HEX M16		3											
	000939016002	STUD, M16 X 40 8.8		3											
	5360130745	FLANGE, MOUNT S2000		3											
	E10479339			1											
				1											
	07.3A007	BRACKET, STARTING MOTOR SUPPORT													
	000125008427	WASHER A8.4		2											
	000934008008	NUT, HEX M8		1											
	304017008077	BOLT, M8 X 16 8.8		1											
	569SK0409	BRACKET		1											
	916016008202	CLAMP, BRSGU 8/20		1											

DETROIT DIESEL

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