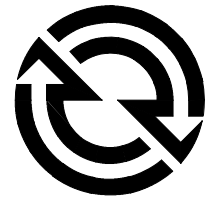


Engine Parts

DETROIT DIESEL



Diesel Engine

Generator Model:

1250-1500 kW

Engine Series:

4000

Engine Model:

T1237K16

GENERAL INFORMATION

This customized parts catalog contains information specific to the customer serial number. All engine components in this catalog are divided into major groups of functionally related parts. A listing of the groups and their sub-groups appears under "Group Nomenclature" of this section.

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

Unlike the normal parts catalog this book does not contain types. The listing of parts is separated only by a group identification (e.g. 1.1000 for cylinder blocks). Components of major assemblies will follow the assembly. The order in which parts are listed is the same as the normal parts catalog.

Also included in the last pages of this catalog is a listing of various supplies required to maintain your engine.

The data in this publication is based on information known to Detroit Diesel at the time of printing. While every care and effort has been taken to ensure the accuracy of all information, engine modifications or subsequent engineering changes or enhancements may cause certain data to be superseded or rendered obsolete. Detroit Diesel reserves the right to make changes to this catalog at any time without notice.

If additional assistance is needed please contact your authorized Detroit Diesel service outlet.

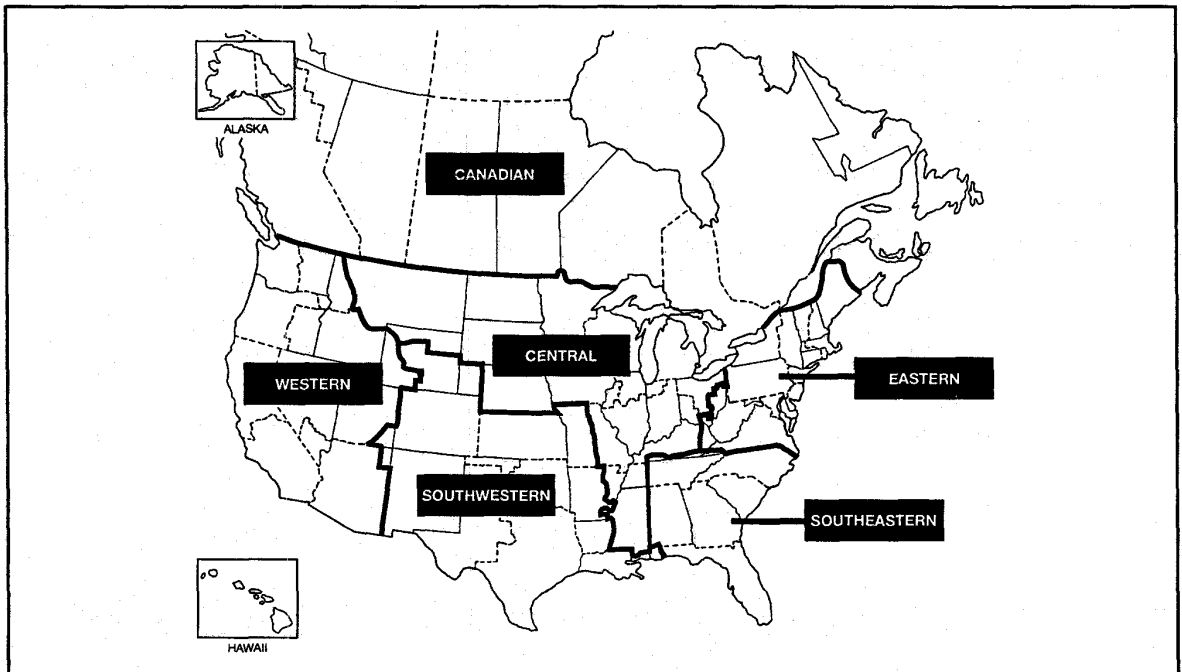
IMPORTANT ENGINE INFORMATION

Your engine serial number should be kept readily available. It can be used to identify your model as well as ALL service parts including kits, sets, warranty information and extended coverage available.

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RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION	11.1094A	SPACER, ENGINE REAR SUPPORT	11.1105A
RING, INJECTOR HOLE TUBE SEAL	1. 2046	SPACER, ENGINE RUBBER MOUNTING INSULATING	11.1140A
RING, PISTON COMPRESSION	1. 6120	SPACER, FAN BLADE	5. 4011A
RING, PISTON OIL CONTROL	1. 6130	SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING	7. 1540A
ROD, PUSH	1. 8180	SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION	3. 3070A
ROTATOR, VALVE	1. 8365	SPRING, VALVE	1. 8340
S			
SCREEN, OIL PUMP INLET	4. 1530B	STRAP, AIR CLEANER MOUNTING	3. 1220A
SCREW, ROCKER ARM ADJUSTING	1. 8135	STRAP, GENERATOR ADJUSTING	7. 1580A
SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT	3. 3055A	STUD, EXHAUST MANIFOLD OUTLET	6. 1050A
SEAL, CRANKSHAFT OIL SEAL	1. 5004A	STUD, EXHAUST MANIFOLD TO HEAD	6. 1020A
SEAL, CRANKSHAFT OIL-FRONT	1. 3040	STUD, EXHAUST MANIFOLD TO TURBOCHARGER	6. 1022A
		SUPPORT, ENGINE FRONT TRUNNION MOUNTING	11.1090A
		SUPPORT, ENGINE REAR	11.1100A
		SWITCH, STARTING MOTOR SOLENOID	7. 3255A
T			
		TANK, EXPANSION	5. 5001A
		THERMOSTAT ASSY.	5. 2050B
		THREADLOCK & SEALER	12.8242A
		TORSIONAL ISOLATOR	1. 4090A

PART NAME	GROUP NO.	PART NAME	GROUP NO.
TRUNNION, ENGINE FRONT	11.1088A		
TUBE ASSY., FUEL HIGH PRESSURE PUMP TO RAIL	2. 5075A		
TUBE ASSY., FUEL RETURN MANIFOLD	2. 5225A		
TUBE ASSY., WATER INLET/OUTLET	3. 7072		
TUBE ASSY., WATER MANIFOLD VENT	5. 2041A		
TUBE, AIR COMPRESSOR LUBE OIL SUPPLY	12.4065A		
TUBE, AIR COMPRESSOR WATER INLET	12.4085A		
TUBE, AIR COMPRESSOR WATER OUTLET	12.4090A		
TUBE, AIR INLET & OUTLET INTERCOOLER	3. 7350		
TUBE, CHARGE AIR COOLING RETURN	5. 2091B		
TUBE, EXHAUST CROSSOVER	6. 1180A		
TUBE, FILTER OUTLET	2. 5151A		
TUBE, FUEL DRAIN	2. 5210A		
TUBE, FUEL DRAIN CROSSOVER	2. 5205A		
TUBE, FUEL PUMP INLET	2. 5065A		
TUBE, FUEL PUMP OUTLET TO FUEL COOLER	2. 5112A		
TUBE, FUEL PUMP TO FILTER	2. 5100A		
TUBE, HEAT EXCHANGER FRESH WATER INLET CONNECTION	5. 5220A		
TUBE, HEAT EXCHANGER FRESH WATER INLET INTERMEDIATE	5. 5260A		
TUBE, INJECTOR HOLE	1. 2045		
TUBE, INTERCOOLER WATER INLET	3. 7070		
TUBE, INTERCOOLER WATER OUTLET	3. 7080		
TUBE, JUNCTION BLOCK INLET	4. 1581B		
TUBE, OIL DRAIN	4. 1695C		
TUBE, RAW WATER PUMP OUTLET	5. 6580A		
TUBE, TURBOCHARGER AIR OUTLET CONNECTION	3. 5414A		
TUBE, TURBOCHARGER OIL RETURN	3. 5505A		
TUBE, TURBOCHARGER OIL SUPPLY	3. 5500A		
TUBE, TURBOCHARGER WATER RETURN	3. 5525A		
TUBE, WATER OUTLET MANIFOLD	5. 2045A		
TUBE, WATER PUMP OUTLET	3. 7060		
TURBOCHARGER	3. 5001A		
		V	
		VALVE, AIR INLET HOUSING SHUTDOWN	3. 3040A
		VALVE, EXHAUST	1. 8310
		VALVE, FUEL SUPPLY CHECK	2. 5006A
		VALVE, INTAKE	1. 8315
		VALVE, OIL PRESSURE REGULATOR	4. 1700C
		VALVE, OIL PRESSURE RELIEF	4. 1582B
		VALVE, SEQUENTIAL ACTUATOR	6. 1007A
		W	
		WASHER, CRANKSHAFT MAIN BEARING THRUST	1. 3100
		WHEEL, SPEED SENSOR PULSE	1. 7133

DETROIT DIESEL

Custom Parts Catalog

ENGINE DESCRIPTION

SERIAL NUMBER: 5260200040

SERIES NUMBER: 4000

MODEL NUMBER: T1237K16

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PART #	NAME AND DESCRIPTION	QUANTITY
1.1000	- CYLINDER BLOCK	
1.1001	BLOCK, CYLINDER	
5260100405	* BLOCK ASSY., CYLINDER 12V "F"	1
1.1001	BLOCK, CYLINDER	
5240110111	BEARING CAP, MAIN (NARROW) (STD)	6
5240110311	CAP, MAIN BEARING WIDE REAR	1
5240510110	BEARING, CAMSHAFT (STD)	7
5249970020	CAP, SEALING	24
000912018008		
5240110270	BOLT, M18 X 180	14
700521018201	STUD, MAIN BEARING CAP	14
	WASHER 18.2	14
5240110172	NUT, M24 X 2 MAIN BEARING CAP	14
000007010124		
	PIN, M10 X 20	12
000908014001		
	PLUG, M14 X 1.5	5
000908018002		
	PLUG, THREADED M18 X 1.5	2
000912008115		
	BOLT, M8 X 16	2
007603014102		
	WASHER, A14 X 18 COPPER	5
007603018101		
	WASHER, A18 X 22 COPPER	2
5240110440	FILLER PIECE STRIP	1
* NOT SERVICED, USE 5260100805 BLOCK ASSY. PLUS 12-23525730 LINER KITS (C & I) OR 12-23525733 LINER KITS FOR MARINE APPLICATIONS.		
1.1002	GASKET KIT, CYLINDER HEAD OVERHAUL	
23526075	KIT, COMPLETE ENGINE OVERHAUL 12V INDUSTRIAL	AR
1.1002	GASKET KIT, ENGINE OVERHAUL	
23526062	KIT, OVERHAUL CYL BLOCK/HEADS 12V INDUSTRIAL	1
23526064	KIT, CRSHF/GEAR CASE/WAT DIST/FLYWHL HSG 8V/12V/16V	1
23526066	KIT, OVERHAUL LOW/HIGH PRESS FUEL SYS 12V INDUST	1
23526069	KIT, OVERHAUL TURBO/CAC/WATER/EXHAUST 12V INDUST	1
23526072	KIT, OVERHAUL OIL DIST SYSTEM 12V INDUSTRIAL	1
23526074	KIT, OVERHAUL FAN CLUTCH ATCHG HDW 8V/12V/16V IND	1
1.1040	COVER, CYLINDER BLOCK HAND HOLE	
5240110732	COVER, ACCESS PORT STD S4000	5
000933010035		
	BOLT, M10 X 25	42
1.1050	GASKET, CYLINDER BLOCK HAND HOLE COVER	
5240111380	GASKET, ACCESS COVER	5
1.1055	COVER, CYLINDER BLOCK VALLEY	
5260101114	COVER, VALLEY	1
5249950059	STRAP 74.5 X 25	1
5240111432	PLUG, 50MM	1
700429018005		
	SEAL RING 18 X 4	8
700429042000		
	SEAL RING, 42 X 5	1
700429055001		
	SEAL RING, 55 X 5	1
900421010002		
	INSERT M10 X 20 THREADED	5
000933010089		
	BOLT, M10 X 20	1
000933010093		
	BOLT, M10 X 35 8.8	24
000933010111		
	BOLT, M10 X 12	1
5241880136	STUD M10 X 39	8
000125010524		
	WASHER, A10.5	28

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PART #	NAME AND DESCRIPTION	QUANTITY
1.2000 - CYLINDER HEAD		
1.2001	HEAD ASSY., CYLINDER	
5240102120	HEAD ASSY., CYL W/O VALVES C & I	AR
5240102420	HEAD ASSY., CYLINDER (COMPLETE) C & I INCLUDES VALVE TRAIN	12
007604014100		
	PLUG, THREADED M14 X 1.5	12
007603014102		
	WASHER, A14 X 18 COPPER	12
1.2002	GASKET KIT, CYLINDER HEAD OVERHAUL KIT, CYLINDER HEAD INSTALLATION	AR
23523054		
1.2010	GASKET, CYLINDER HEAD	
5240160319	SEAL RING 194.5 X 213	12
5240161580	GASKET, CYLINDER HEAD	12
1.2030	BOLT, CYLINDER HEAD	
5249900701	BOLT CYL HEAD M22 2.00 X 308	64
5240110062	WASHER THRUST	64
1.2000A - ENGINE LIFTER BRACKET		
1.2070	BRACKET, ENGINE LIFTER-FRONT	
5242230341	BRACKET, LIFTER	4
5240160069	BOLT M22 X 335	8
5240110062	WASHER THRUST	8
1.3000 - CRANKSHAFT,OIL SEALS AND STABILIZERS		
1.3040	SEAL, CRANKSHAFT OIL-FRONT	
0219976547	SEAL, OIL RADIAL LIP (FRONT)	1
700429150000		
	SEAL RING, 150 X 4 (INNER FLANGE)	1
700429180000		
	SEAL RING, 180 X 4 (VIBRATION DAMPER)	3
700429290000		
	SEAL RING, 290 X 4	1
5240350124	FLANGE, DRIVE (FRONT)	1
5240320258	COVER, SEAL CARRIER	1
735073008000		
	PLUG SEAL	2
000933012077		
	BOLT, M12 X 35	6
000125013012		
	WASHER, A13	6
1.3000 - CRANKSHAFT,OIL SEALS AND STABILIZERS		
1.3001	CRANKSHAFT ASSY	
5260300601	CRANKSHAFT ASSY 12V	1
1.3145	GEAR, CRANKSHAFT TIMING	
5240520203	GEAR, CRANKSHAFT S4000	1
1.3060	SEAL, CRANKSHAFT OIL-REAR	
0219976647	SEAL, OIL RADIAL LIP (REAR)	1
5260320106	FLANGE, DRIVE (REAR)	1
1.3090	SHELL, CRANKSHAFT MAIN BEARING	
A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.		
23526373	SHELL SET, STD UPR & LOWER (MAIN) INDUSTRIAL	6
23525632	SHELL SET, STD UPPER & LOWER (THRUST)	1
5240331507	BEARING, CR/SHF LWR MAIN (THRUST) (AVAILABLE SEPARATELY & PART OF 23525632 SET)	1
1.3145	GEAR, CRANKSHAFT TIMING	
5240311048	WHEEL TRS DDEC	1

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PART #	NAME AND DESCRIPTION	QUANTITY
1.3000	- CRANKSHAFT,OIL SEALS AND STABILIZERS	
001481006004		
	PIN SPRING 6 X 20	2
5769970219	PLUG ASM	1
304017008079		
	BOLT, M8 X 20 8.8	8
000125008427		
	WASHER, A8.4	8
1.3000A	- CRANKSHAFT FRONT COVER	
1.3156	HOUSING ASSY., GEAR CASE	
5240101133	* GEAR CASE	NS
1.3156	HOUSING ASSY., GEAR CASE	
000908026005		
	PLUG, THREADED M26 X 1.5	3
000908052003		
	PLUG, M52	3
000910026000		
	PLUG, SCREW M26	1
007603026104		
	WASHER, A26 X 31 COPPER	4
007603052101		
	WASHER, A52 X 60 COPPER	3
5249970615	INSERT THREADED M12C-1.06	6
700096010100		
	INSERT THREADED M10	2
23525813	GEAR CASE ASSY. (SERVICE)	1
1.3156	HOUSING ASSY., GEAR CASE	
735073010000		
	PLUG SEALING M10	1
5240150271	PLUG DRAIN M26X1.5X117X19	2
700429015000		
	SEAL RING 15 X 3	2
000908038000		
	PLUG, SCREW M38	2
007603038101		
	WASHER, A38 X 44 COPPER	2
5319971432	PLUG ASSY., M14 X 1.5	4
0005330280	SEAL RING, 2.2 X 11.30 ID	4
0009973532	PLUG, M26 X 1.5	1
007603026104		
	WASHER, A26 X 31 COPPER	1
000908038000		
	PLUG, SCREW M38	2
007603038101		
	WASHER, A38 X 44 COPPER	2
23525798	COTTON SEAL	2
23513509	GASKET, ELIMINATOR 518 - 50ML (RED)	AR
23514188	GASKET, ELIMATOR 518 300ML CARTRIDGE	AR
000908038000		
	PLUG, SCREW M38	2
000908052003		
	PLUG, M52	2
0009973532	PLUG, M26 X 1.5	2
5240150271	PLUG DRAIN M26X1.5X117X19	2
5319971432	PLUG ASSY., M14 X 1.5	4
	(INCLUDES 1-0005330280 SEAL RING)	
735073010000		
	PLUG SEALING M10	1
700429015000		
	SEAL RING 15 X 3	2
000931012213		
	BOLT, M12 X 180	2
000931012215		
	BOLT, M12 X 150	10
000939012023		
	STUD, M12 X 30	6
000125013012		
	WASHER, A13	6

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PART #	NAME AND DESCRIPTION	QUANTITY
1.3000A - CRANKSHAFT FRONT COVER		
007349013002	WASHER, M13	10
007603026104	WASHER, A26 X 31 COPPER	2
007603038101	WASHER, A38 X 44 COPPER	2
007603052101	WASHER, A52 X 60 COPPER	2
5130822	WASHER, SPECIAL (5.4140)	6
000934012010	NUT, HEX M12	6
* NOT SERVICED, FOR SERVICE USE 23525813	GEAR CASE ASSY. AND 2-000933012047 W	
AIST BOLTS AND 2-000125013012 WASHERS.		
1.3170 GASKET, CRANKSHAFT FRONT COVER		
700429083000	SEAL RING, 83 X 5	2
1.3191 COVER, ENGINE FRONT ACCESSORY DRIVE		
5241880102	COVER	5
5241880202	COVER	2
5241880502	COVER	1
000933010035	BOLT, M10 X 25	12
000933012056	BOLT, M12 X 1.75 X 30	30
1.3192 GASKET, ENGINE FRONT ACCESSORY DRIVE		
5241880080	GASKET	5
5241880180	GASKET	2
8929299	GASKET, ACCESSORY FRONT	1
1.3000B - VIBRATION DAMPER		
1.3210 DAMPER, VIBRATION		
0000352500	DAMPER, VIBRATION	1
5240350224	KIT, DUST/FELT RINGS	AR
000933020017	BOLT, M20 X 50	12
1.3000C - CRANKSHAFT PULLEY		
1.3280 PULLEY, CRANKSHAFT		
5242060710	(R) PULLEY, CRANKSHAFT 213.10 DIA	1
1.3290 RETAINER, CRANKSHAFT PULLEY		
11511519	WASHER, M20	12
5249900612	BOLT M20 X 200	12
1.4000A - FLYWHEEL		
1.4001 FLYWHEEL ASSY.		
5240300205	FLYWHEEL ASSY. (SAE 00)	1
5141829	PLATE, SCUFF	1
11501752	BOLT, M16 X 2.0 X 50	15
8929328	WASHER, 16.8" X 25.8" (12.9190)	15
1.5000A - FLYWHEEL HOUSING		
1.5001 HOUSING ASSY., FLYWHEEL		
5240101537	HOUSING ASSY., FLYWHEEL	1
000910022003	PLUG, SCREW M22	2
000931012215	BOLT, M12 X 150	10
000933012059	BOLT, M12 X 40 10.9	7
000933012079	BOLT, M12 X 55	16

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PART #	NAME AND DESCRIPTION	QUANTITY
1.5000A - FLYWHEEL HOUSING		
007603022102	WASHER, A22 X 27 COPPER	2
206796012000	WASHER, SPRING	27
1.5085 COVER, FLYWHEEL HOUSING		
23525693	SCREEN, FLYWHEEL HOUSING GUARD	1
5240130833	COVER, SCREEN	2
5242370065	COVER, SCREEN (TOP CENTER)	1
5242370265	COVER, SCREEN (TOP SIDE)	2
11504986	BOLT, M8 X 1.25 X 14 MM	14
11509512	BOLT, M8 X 1.25 X 25 MM	12
5511530050	SPACER, 10MM X 18MM	12
1.5095 GASKET, FLYWHEEL HOUSING COVER		
700429033001	SEAL RING, 33 X 5	2
1.6000 - CONNECTING ROD AND PISTON		
1.6001 CONNECTING ROD ASSY.		
A CONNECTING ROD ASSY. INCLUDES CAP, BUSHING PLUS BOLTS IN 1.6001.		
5240300720	ROD ASSY, CONNECTING	12
5240380471	BOLT M20 1.50 X 103.0	24
1.6100 SHELL, CONNECTING ROD BEARING		
23523344	SHELL SET, CONN ROD	12
1.6110 PISTON ASSY.		
A PISTON ASSY. INCLUDES PISTON DOME, SKIRT, PRESSURE PLATES, BOLTS, SPRING PIN, PISTON PIN, SNAP RINGS PLUS RINGS IN 1.6120 AND 1.6130.		
5240302817	PISTON ASSY., 14:1 (C & I)	12
1.6120 RING, PISTON COMPRESSION		
0080375819	RING, TOP COMPRESSION	12
0120370819	RING, COMPRESSION 2ND	12
1.6130 RING, PISTON OIL CONTROL		
0120370618	RING, OIL CONTROL	12
1.6150 RETAINER, PISTON PIN		
000472068000	SNAP RING, 68 X 2.5	24
1.6181 KIT, CYLINDER LINER AND SEALS		
A CYLINDER LINER KIT INCLUDES (1) LINER AND ITEMS IN 1.6190 REQUIRED PER CYLINDER.		
23523043	KIT, CYL LINER & SEALS F LVL BLK	12
1.6190 SEAL, CYLINDER LINER		
5550110059	SEAL CYL BLK LINER	24
1.7000 - CAMSHAFT AND GEAR TRAIN		
1.7001 CAMSHAFT ASSY.		
5260500001	CAMSHAFT ASSY., 12V S4000	1
000007010111	DOWEL PIN	2
1.7007 FLANGE, CAMSHAFT DRIVE		
5240500344	FLANGE ASSY., CAMSHAFT THRUST BEARING (INCLUDES PLUGS IN 1.7007)	1
735073010000	PLUG SEALING M10	1
000933012051	BOLT, M12 X 50 8.8	3

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PART #	NAME AND DESCRIPTION	QUANTITY
1.7000 - CAMSHAFT AND GEAR TRAIN		
1.7133 5240521548	WHEEL, SPEED SENSOR PULSE WHEEL SRS DDEC	1
1.7200 5240520501 206796012000	GEAR, CAMSHAFT AND BALANCE SHAFT GEAR, CAMSHAFT	1
000931012052	WASHER, SPRING	5
	BOLT, M12 X 70	5
1.7220 5240500105	GEAR ASSY., IDLER GEAR ASSY., IDLER (INCLUDES BUSHING IN 1.7225)	2
1.7220 5240520502	GEAR ASSY., IDLER GEAR ASSY., IDLER	1
1.7225 0029922401	BEARING, IDLER GEAR BUSHING, IDLER GEAR 80 X 40	1
1.7225 0029922401	BEARING, IDLER GEAR BUSHING, IDLER GEAR 80 X 40	2
1.7250 5240150217 700429024000	HUB, IDLER GEAR AXLE, IDLER GEAR	2
700429083000	SEAL RING, 24 X 5	2
000931012215	SEAL RING, 83 X 5	2
000933010093	BOLT, M12 X 150	2
	BOLT, M10 X 35 8.8	6
1.8000 - VALVE MECHANISM		
1.8060 5240500434	ARM ASSY., EXHAUST VALVE ROCKER (R) ROCKER ARM ASSY., EXHAUST	12
1.8075 5240500433	ARM ASSY., INTAKE VALVE ROCKER (R) ROCKER ARM ASSY., INTAKE	12
1.8105 5240550550	BUSHING, INTAKE VALVE ROCKER BUSHING	24
1.8135 5240500145 5240550320 200439016200	SCREW, ROCKER ARM ADJUSTING THRUST MEMBER ROCKER ARM BOLT, ROCKER ARM ADJUSTING NUT M16 X 1.5	24 24 24
1.8160 5240550405 735073007000	SHAFT ASSY., ROCKER ROCKER ARM AXLE (SHAFT) PLUG-RIVET	12 12
000933010194	BOLT, M10 X 40 10.9	12
5240550205	SHAFT, SWING ROCKER ARM	6
1.8170 5240500336	BRACKET, ROCKER SHAFT PEDESTAL ASSY., ROCKER ASSY. (INCLUDES ARM & PLUG IN 1.8160 & PINS IN 1.8170)	12
000471045000	RING, SNAP	24
001474006000	PIN GROOVE 6 X 12	24
001481002017	PIN SPRING 2 X 8	12
001481003508	PIN SPRING 3.5 X 8	12

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PART #	NAME AND DESCRIPTION	QUANTITY
1.8000 - VALVE MECHANISM		
000931016091	BOLT, M16 X 180	12
200988045000	WASHER	24
700521016200	WASHER, M16 X 2	12
1.8180 ROD, PUSH		
5240500730	PUSHROD ASSY (INCLUDES SLEEVE)	24
1.8253 ARM ASSY., SWING EXHAUST VALVE ROCKER		
5240501535	(R) ARM ASSY., SWING FOLLOWER EXHAUST	12
5240550650	BUSHING, ROCKER ARM	24
201850032400	BUSHING G32 X 36 X 20	12
5240550018	ROLLER ROCKER ARM	12
5240550324	BALL SOCKET	12
5550540174	PIN 38 X 14	12
1.8255 ARM ASSY., SWING INTAKE VALVE ROCKER		
5240501435	(R) ARM ASSY., SWING FOLLOWER INTAKE	12
5240550650	BUSHING, ROCKER ARM	24
201850032400	BUSHING G32 X 36 X 20	12
5240550018	ROLLER ROCKER ARM	12
5240550324	BALL SOCKET	12
5550540174	PIN 38 X 14	12
1.8310 VALVE, EXHAUST		
5240530305	VALVE EXHAUST	24
1.8315 VALVE, INTAKE		
5240530301	VALVE INLET	24
1.8320 GUIDE, EXHAUST VALVE		
5240530530	VALVE GUIDE	48
1.8340 SPRING, VALVE		
5240530120	SPRING VALVE OUTER	48
5240530122	SPRING VALVE INNER	48
1.8343 BRIDGE, EXHAUST VALVE		
5240500432	BRIDGE ASSY., VALVE	24
5240550520	SCREW ADJUSTING M16 X 1.5 X 8.0 - 14.0	24
200439016200	NUT M16 X 1.5	24
1.8345 GUIDE, VALVE BRIDGE		
5240550322	GUIDE, PIN VALVE	24
1.8350 CAP, VALVE SPRING		
5240530125	RETAINER VALVE SPRING	48
1.8365 ROTATOR, VALVE		
0000533835	ROTATOR, VALVE	48
1.8370 LOCK, VALVE SPRING		
0000530926	VALVE KEEPER	96
1.8000A - ROCKER COVER		
1.8450 COVER ASSY., ROCKER		
5240160205	ROCKER COVER	12
1.8455 GASKET, ROCKER COVER		
5240160321	GASKET, ROCKER COVER	12
1.8460 BOLT, ROCKER COVER		

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PART #	NAME AND DESCRIPTION	QUANTITY
1.8000A - ROCKER COVER 000931010332		
000125010524	BOLT, M10 X 150	24
	WASHER, A10.5	20

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PART #	NAME AND DESCRIPTION	QUANTITY
2.1000A - FUEL INJECTOR		
2.1001	INJECTOR ASSY.	
23526170	(R) INJECTOR ASSY., VTO-G161BD W/RING & U-GROOVE	12
0010102251 NS	(R) INJECTOR ASSY., VTO-G154BD W/FILTER	12
2.1040	RING, INJECTOR SEAL	
700429037000	SEAL RING, 37.7 X 3.53	3
700429021001	SEAL RING, 21 X 2	1
5240160419	SEAL, INJECTOR	1
2.1270	CLAMP, INJECTOR	
5240780535	CLAMP	12
5249902101	BOLT, M12 X 1.75 X 100	12
2.1000B - INJECTOR CONTROLS ELECTRONIC		
2.1501	MODULE ASSY., ELECTRONIC CONTROL (ECM)	
23519309	(R) MODULE DDEC IV	2
2.1520	PLATE ASSY., ELECTRONIC DISTRIBUTOR UNIT COLD	
23516935	PLATE ASM COLD ECM END MT DDEC III	2
5240111132	COVER	1
5240111380	GASKET, ACCESS COVER	2
5244760724	FITTING, 9/16"-18 X 11/16-16 X 32.0 (INCLUDES 1-5319972945 & 1-5319972845 SEAL RINGS)	4
23512307	ISOLATOR, ECM MOUNT	16
5240110370	EXTENSION	4
103172	STUD, 5/16"X1 1/8"	4
000933010035	BOLT, M10 X 25	14
11504603	SCREW, M8X1.00X25.0 MM	10
23514941	BOLT, 5/16-18 X 2.16 SHOULDER HEX HD.	4
2.1600	SENSOR, OIL OR FUEL PRESSURE	
0035351331	SENSOR, FUEL RAIL PRESSURE (THRU UNITS BUILT 12/5/99)	1
23524699	SENSOR, OIL/FUEL PRESSURE (EFF. WITH UNITS BUILT 12/6/99)	2
23526561	KIT, SENSOR OIL OR FUEL PRESSURE DIN RIGHT ANGLE ADAPTOR	AR
23527976	KIT, DIN COMMON RAIL FUEL PRESSURE SENSOR (W/23526036 SENSOR & 23525849 ADAPTER HARNESS)	AR
23540503	SENSOR, HIGH PRESSURE COMMON RAIL	1
2.1610	SENSOR, MAG. IDLER	
0005352233	SENSOR, SRS (INCLUDES 1-8928652 SEAL RING)	1
11504986	BOLT, M8 X 1.25 X 14 MM	1
2.1620	SENSOR, MAG. CRANKSHAFT	
0005356633	SENSOR, TRS 90MM LG DDECIII (INCLUDES 2-8928652 SEAL RINGS)	1
11504986	BOLT, M8 X 1.25 X 14 MM	1
2.1630	SENSOR, OIL, FUEL OR COOLANT TEMPERATURE	
0005355630	SENSOR, OIL/FUEL/COOLANT/CHARGE TEMP (INCLUDES 1-0005330280 SEAL RING)	6
2.1650	SENSOR, AIR PRESSURE	
23524605	SENSOR, TURBO BOOST (EFF. WITH UNITS BUILT 12/6/99)	2
23526563	KIT, TURBO BOOST PRESSURE DIN SENSOR RIGHT ANGLE ADAPTOR	AR
2.1668	SENSOR, CRANKCASE PRESSURE	
23526562	KIT, SENSOR CRANKCASE PRESSURE	1
2.1675	SENSOR, COOLANT PRESSURE	

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PART #	NAME AND DESCRIPTION	QUANTITY
2.1000B - INJECTOR CONTROLS ELECTRONIC		
0025358831	SENSOR, COOLANT PRESSURE (4 BAR) M14X1.5 (INCLUDES 1-0005330280 SEAL RING)	2
23524595	SENSOR, COOLANT PRESSURE	2
23526559	KIT, COOLANT PRESSURE DIN SENSOR STRAIGHT ADAPTOR (LTC)	AR
23526560	KIT, COOLANT PRESSURE DIN SENSOR RIGHT ANGLE ADAPTOR (HTC)	AR
2.1700 HARNESS, ELECTRONIC DISTRIBUTOR UNIT TO INJECTOR		
0005300634	HARNESS ASSY., INJECTOR WIRING LB	1
0005300734	HARNESS ASSY., INJECTOR WIRING RB	1
2.1704 HARNESS, ENGINE SENSORS TO ECM		
0005301734	HARNESS, SENSOR LB	1
23520334	CLIP, HOSE 1 X .75 X .375 X .5	3
2476234	CLIP, .500" DIA. 3/8" BOLT (4.4330)	2
5146788	CLIP, 5/8" HOSE (2.5070)	1
000933008040	BOLT, M8 X 20	1
2.1740 HARNESS, POWER INTERFACE		
5300334	HARNESS, POWER	1
23515310	BRACKET POWER HARNESS CONN.MTG.	2
2362448	CLIP .688" DIA 3/8" BOLT CTD (12.8554)	2
2488023	CLIP, .938" DIA., 3/8"	3
5101020	STRAP, NYLON (2.5255)	60
5166565	BRACKET (9.1591)	1
000933008040	BOLT, M8 X 20	1
11503454	BOLT, M10 X 1.5 X 20.0	4
11504505	BOLT, M8 X 1.25 X 20 MM FLANGED	1
11505299	BOLT, M10 X 1.5 X 30.0 MM	1
11502811	NUT, M8 X 1.25	1
11503553	NUT, M8 X 1.25	1
2.2000 - FUEL PUMP		
2.2006 PUMP ASSY., FUEL HIGH PRESSURE		
0050709301	PUMP ASSY., FUEL HIGH PRESSURE 12V/16V	1
0050708301 NS	PUMP ASSY., FUEL HIGH PRESSURE 12V/16V	1
2.2006 PUMP ASSY., FUEL HIGH PRESSURE		
5244760324	FITTING, M27 X 2 TO 1 3/16"-12	1
5244760424	FITTING, M16 X 1.5 TO 1 1/16"-16	1
5319972445	SEAL RING 18.80 ID X 1.78	1
5319972945	SEAL RING 9.30 ID X 1.78	1
23525997	SEAL RING 11.0 ID X 2.0	3
23525998	SEAL RING 36.0 ID X 4.0	1
2.2007 GASKET, FUEL PUMP TO ENGINE		
700429130003	SEAL RING, 130 X 5	1
8693000006	SOLENOID ASSY., HIGH PRESSURE PUMP 12V/16V	AR
000912012011	BOLT, M12 X 40	4
2.2260 ADAPTOR, FUEL PUMP DRIVE		
5240910024	ADAPTOR	1
2.2000 - FUEL PUMP		
2.2001 PUMP ASSY., FUEL		
23523815	KIT, LOW PRESSURE 12V/16V DDEC	1
2.2001 PUMP ASSY., FUEL		
0030918601	PUMP ASSY., FUEL LOW PRESSURE	NS
5366191015	PLUG ASSY., ISO 6149 PORT M33 X 2.0	2
2.2007 GASKET, FUEL PUMP TO ENGINE		
700429083000	SEAL RING, 83 X 5	1
2.2230 COUPLING, FUEL PUMP DRIVE		
5240910224	COUPLING	1

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2.2000 - FUEL PUMP		
5249902501	BOLT, M10 1.50 X 25.0 12 PT	2
2.2230 COUPLING, FUEL PUMP DRIVE		
5240910224	COUPLING	1
2.3000A - FUEL FILTER		
2.3320 ELEMENT, FUEL FILTER		
23518529	FILTER, FUEL SECONDARY	2
2.3390 COVER, FUEL FILTER		
5240900627	ADAPTOR ASM	1
700429024002		
	SEAL RING 24 X 4	4
11505299	BOLT, M10 X 1.5 X 30.0 MM	6
2.5000A - FUEL LINES		
2.5006 VALVE, FUEL SUPPLY CHECK		
5148007	VALVE, CHECK (TO JUNCTION BLOCK)	1
5244700007	VALVE ASSY., SAFETY RELIEF (INCLUDES 1-23511121 LWR, 1-23520345 UPR SEAL RING)	1
5244700107	REGULATOR ASSY. (INCLUDES 1-23520345 LWR, 1-23520346 UPR SEAL RING)	1
2.5065 TUBE, FUEL PUMP INLET		
5240910089	FITTING, FUEL CONNECTOR 58 X 38.1	1
5240910053	SPACER, FUEL CONNECTOR 76 X 30.09	2
5240920016	TUBE, FUEL CONNECTOR	1
5249970745	SEAL RING 29.6 X 2.9	1
700429024001		
	SEAL RING 24 X 2.5	2
700429037002		
	SEAL RING, 37 X 3	2
23550752	BOLT, M8 X 1.25 X 55.0MM	2
2.5100 TUBE, FUEL PUMP TO FILTER		
5240902976	TUBE ASM	1
5244760424	FITTING, M16 X 1.5 TO 11/16"-16 (INCLUDES 1-5319972945 & 1-5319970745 SEAL RING)	1
5801533240	BRACKET L	1
5249970081	GROMMET	1
700325022100		
	CLAMP, HALF TUBE 1/1 D9 - 22 MM	2
8332030053	SPACER, TUBE 18 X 15 X 9	1
000931008227		
	BOLT, M8 X 55	1
11500945	BOLT, M12 X 1.75 X 45.0	1
2.5205 TUBE, FUEL DRAIN CROSSOVER		
5244700164	TUBE ASSY., COLD PLATE JUMPER	1
2.5210 TUBE, FUEL DRAIN		
5244760301	TUBE ASSY., HIGH PRESSURE PUMP VENT	1
5240910089	FITTING, FUEL CONNECTOR 58 X 38.1	1
5240920016	TUBE, FUEL CONNECTOR	1
5249970745	SEAL RING 29.6 X 2.9	1
700429024001		
	SEAL RING 24 X 2.5	4
700429037002		
	SEAL RING, 37 X 3	2
23550752	BOLT, M8 X 1.25 X 55.0MM	2
2.5250 BLOCK, FUEL SYSTEM JUNCTION		
5244720102	JUNCTION BLOCK	1
5244760024	CONNECTOR, M33 X 2 (INCLUDES 1-5249970745 SEAL RING)	1
5244760124	FITTING, M27 X 2 ISO 6149 TO 1 5/16"-12 (INCLUDES 1-5319970345 SEAL RING)	1

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2.5000A - FUEL LINES		
5244760224	FITTING, M27 X 2 ISO 6149 TO 1 1/16"-12 (INCLUDES 1-5319970345 SEAL RING)	1
5244760324	FITTING, M27 X 2 TO 1 3/16"-12 (INCLUDES 1-5319972445 & 1-5319970345 SEAL RING)	2
5319970532	PLUG, M27 X 2 (INCLUDES 1-5319970345 SEAL RING)	3
5319971432	PLUG ASSY., M14 X 1.5 (INCLUDES 1-0005330280 SEAL RING)	3
700429180000		
23507438	SEAL RING, 180 X 4	1
23505062	STUD, M10 X 1.5 X 44.0	2
11506101	BOLT, M10 X 1.5 X 40 NUT, M10 X 1.5	5 2
2.5251 HOSE, JUNCTION BLOCK TO FUEL BLOCK ASSY.		
CA130180	HOSE ASSY., #6 X 20.8" L.	1
CA130210	HOSE ASSY., #6 X 23.8" L.	1
5319975672	FITTING, 90 DEG M12 X 1.5 TO 11/16"-16 (INCLUDES 1-5319972945 & 1-5319970945 SEAL RING)	2
23520334	CLIP, HOSE 1 X .75 X .375 X .5	1
2362448	CLIP .688" DIA 3/8" BOLT CTD (12.8554)	2
5166565	BRACKET (9.1591)	1
000933008040		
11503553	BOLT, M8 X 20 NUT, M8 X 1.25	1 1
2.5000A - FUEL LINES		
2.5075 TUBE ASSY., FUEL HIGH PRESSURE PUMP TO RAIL		
5270700332	TUBE ASSY., FUEL HIGH PRESSURE PUMP TO RB RAIL	1
5270700432	TUBE ASSY., FUEL HIGH PRESSURE PUMP TO LB RAIL	1
5801533240	BRACKET L	1
5249970181	GROMMET	3
700325018100		
700325018109	CLAMP, HALF TUBE	2
304017008085	CLAMP, HALF	2
	BOLT, M8 X 40 8.8	1
2.5076 CONNECTOR, FUEL HIGH PRESSURE LINES		
0000785249	VALVE, FLOW LIMITING	12
5260780290	RAIL, FUEL HIGH PRESSURE 12V4000	2
5240780424	CONNECTOR, FUEL RAIL TO HP LINE	2
5240780524	PLUG, HIGH PRESSURE FUEL RAIL RB REAR	1
5240780171	NUT, END OF RAIL	4
5240780276	WASHER, HIGH PRESSURE CONNECTION	2
5240780768	CONNECTOR	12
5240700533	LINE, HIGH PRESSURE JUMPER	1
700429024000		
0000786649	SEAL RING, 24 X 5 PLUG, HIGH PRESSURE W/SAFETY VALVE	12 1
000933010194	BOLT, M10 X 40 10.9	12
2.5210 TUBE, FUEL DRAIN		
5240702832	TUBE ASSY., FUEL RETURN	12
915006004002		
007603012111	UNION, 4 WASHER, A12 X 15.5 COPPER	24 24
2.5225 TUBE ASSY., FUEL RETURN MANIFOLD		
0049900870	TEE FITTING	1
5240704232	TUBE ASSY., SAFETY VALVE FUEL RETURN RAIL	1
5240901076	TUBE ASSY., FUEL RETURN MANIFOLD RT	1
5240901176	TUBE ASSY., FUEL RETURN MANIFOLD RT	1
5240901276	TUBE ASSY., FUEL RETURN MANIFOLD LT	1
5260700238	TUBE ASSY., RETURN MANIFOLD RT & LF 12V	2

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PART #	NAME AND DESCRIPTION	QUANTITY
2.5000A - FUEL LINES		
5240781141	BRACKET	2
000933010073	BOLT, M10 X 80 LG	2
000933010094	BOLT, M10 X 40	7
700325022114	CLAMP, PIPE HALF	18
700327018000	GROMMET, M18	4
700223004000	BOLT, BANJO A4	1
915005008001	FITTING, TAPERED SEALING	1
007603012111	WASHER, A12 X 15.5 COPPER	2
735028016001	NUT, M16 X 1.5	1
2.5250 BLOCK, FUEL SYSTEM JUNCTION		
5240901376	TUBE ASSY., TO FUEL JUNCTION BLOCK	1

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PART #	NAME AND DESCRIPTION	QUANTITY
3.3000C - AIR INTAKE MANIFOLD		
3.3801 AIR INTAKE MANIFOLD		
5240980907	MANIFOLD AIR (CENTER)	4
5240981107	MANIFOLD AIR CHARGE (FRONT)	1
5240981407	MANIFOLD AIR CHARGE (FRONT)	1
700354014003		
	ADAPTOR, BUSHING M14 X 1.5	2
000931010345		
	BOLT, M10 X 140	24
000125010524		
	WASHER, A10.5	24
007603014102		
	WASHER, A14 X 18 COPPER	2
007603022102		
	WASHER, A22 X 27 COPPER	2
007603052101		
	WASHER, A52 X 60 COPPER	2
700429140000		
	SEAL RING, 140 X 8	5
000908014001		
	PLUG, M14 X 1.5	2
000908052003		
	PLUG, M52	2
3.3803 GASKET, AIR INTAKE MANIFOLD		
5240980680	GASKET	12
3.5000A - TURBOCHARGER		
3.5001 TURBOCHARGER		
5240200105	TURBOCHARGER, BTV8506 1.23 A/R	4
23526526	BOLT, M10 X 1.5 X 40.0	16
3.5307 GASKET, TURBOCHARGER EXHAUST INLET CONNECTION		
23517076	GASKET TURB EXH INLET S50G	4
3.5324 ADAPTOR, TURBOCHARGER EXHAUST OUTLET		
5241420302	OUTLET, TURBO EXHAUST	2
3.5325 GASKET, TURBOCHARGER EXHAUST OUTLET		
5244920181	SEAL RING EXHAUST 4.5620 DIA	4
3.5330 BRACKET, TURBOCHARGER EXHAUST OUTLET ADAPTOR		
5241420540	BRACKET	4
11504516	BOLT, M10 X 1.5 X 35 LG	4
23526527	BOLT, M10 X 1.5 X 50.0	8
11506101	NUT, M10 X 1.5	2
5241420052	SPACER	8
5241420072	SPACER	2
3.5414 TUBE, TURBOCHARGER AIR OUTLET CONNECTION		
5260980607	COLLECTOR, CHARGE AIR (LB)	1
5260980707	COLLECTOR, CHARGE AIR (RB)	1
5260981007	TUBE ASM	1
5260981107	TUBE ASM	1
5240980216	ADAPTOR	4
11509512	BOLT, M8 X 1.25 X 25 MM	6
5136911	CLAMP, 4 3/4" DIA.	4
5279970045	SEAL RING, 3.484 ID X .139	12
5279970145	SEAL RING, 3.475 ID X .210	2
5279970245	SEAL RING, 5.475 ID X .210	4
3.5415 BRACKET, TURBOCHARGER AIR OUTLET TUBE		
5240960040	BRACKET, CHARGE AIR TUBE (LB)	1
5240960140	BRACKET, CHARGE AIR TUBE (RB)	1
5240960240	BRACKET, CHARGE AIR TUBING RKR CVR SPAN	2
11503454	BOLT, M10 X 1.5 X 20.0	4
000931010127		
	BOLT, M10 X 1.50 X 80	1

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PART #	NAME AND DESCRIPTION	QUANTITY
3.5000A - TURBOCHARGER		
11506101	NUT, M10 X 1.5	4
11509524	BOLT M10 1.50 X 95.00 LG	1
3.5500 TUBE, TURBOCHARGER OIL SUPPLY		
5241801819	HOSE ASSY., TURBO OIL SUPPLY	4
5241870026	FITTING, M18 X 1.5 TO 13/16"-16 (INCLUDES 1-5319972245 & 1-0005333080 SEAL RINGS)	8
3.5505 TUBE, TURBOCHARGER OIL RETURN		
5241802320	TUBE ASM	2
5241802420	TUBE ASM	2
5241870380	GASKET	8
11503454	BOLT, M10 X 1.5 X 20.0	8
11506101	NUT, M10 X 1.5	8
3.7000 - INTERCOOLER/AFTERCOOLER		
3.7001 INTERCOOLER ASSY.		
5260900014	COOLER ASSY., CHARGE AIR	1
5319971432	PLUG ASSY., M14 X 1.5 (INCLUDES 1-0005330280 SEAL RING)	2
3.7003 BRACKET, INTERCOOLER MOUNTING		
5260980030	BRACKET, SUPPORT RIGHT LWR SCAC	1
5260980130	BRACKET, SUPPORT LEFT LWR SCAC	1
5260980230	BRACKET, SUPPORT UPPER 'V' SCAC	2
5241870047	PLATE	2
000933012080		
	BOLT, M12 X 35 10.9	8
11500945	BOLT, M12 X 1.75 X 45.0	6
23509520	BOLT, M12X1.75X47.0 METRIC FLG. HEX HD.	2
5249900304	BOLT, M12 1.75 X 65.0	4
5269900101	BOLT, M16 2.00 X 110.0 HEX HD	6
5117082	SPACER, .53"X1.16" (3.4103)	14
5249900140	WASHER M16-31.69 X 17.39 X 3.0	6
3.7060 TUBE, WATER PUMP OUTLET		
5242000251	TUBE ASSY., WATER FRONT CAC	1
5242000351	TUBE ASSY., WATER TOP CAC	1
23523159	KIT, LOW TEMPERATURE COOLING THERMOSTAT	AR
000933010092		
	BOLT, M10 X 30 8.8	3
5272030080	GASKET	1
5319971432	PLUG ASSY., M14 X 1.5 (INCLUDES 1-0005330280 SEAL RING)	2
5249970078	COUPLING ASSY., RING	3
3.7060 TUBE, WATER PUMP OUTLET		
23525841	SLEEVE, RING COUPLING	1
23525842	COUPLING, RING	2
23525843	RETAINER, COUPLING RING	2
23525844	GASKET, SELF RETAINING RING COUPLING	2
3.7070 TUBE, INTERCOOLER WATER INLET		
5242030501	TUBE ASSY., WATER PUMP INLET	1
5242030601	TUBE ASSY., WATER FRONT CAC	1
5262000551	TUBE WATER VALLEY CAC	1
11509512	BOLT, M8 X 1.25 X 25 MM	3
5109349	SPACER, 15/32" (7.1595)	2
5242030380	GASKET, WATER PUMP INLET	1
5319971432	PLUG ASSY., M14 X 1.5	1
5249970078	COUPLING ASSY., RING	2
3.7060 TUBE, WATER PUMP OUTLET		
23525841	SLEEVE, RING COUPLING	1
23525842	COUPLING, RING	2
23525843	RETAINER, COUPLING RING	2
23525844	GASKET, SELF RETAINING RING COUPLING	2
3.7080 TUBE, INTERCOOLER WATER OUTLET		
5262000651	TUBE WATER VALLEY CAC RETURN	1

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3.7000 - INTERCOOLER/AFTERCOOLER		
3.7130 CLAMP, TUBE		
5242030840	SUPPORT/CLAMP, COOL TUBE CAC	12
5242031040	CLAMP TUBE	2
11504571	BOLT, M10 X 1.5 X 65.0MM	1
8929357	BOLT, M10 X 1.5 X 120 (12.9001)	6
11502812	NUT, M10 X 1.5	1
3.7300 HOUSING, INTERCOOLER		
5240980837	HOUSING ASSY., AIR INLET	1
5260980137	HOUSING CHARGE AIR COOLING OUTLET	1
11504822	BOLT, M8 X 1.25 X 30	36
23520801	BOLT, M8 1.25 X 45.0	34
5177362	SPACER, 3/8"X3/4"X1/4" (2.9643)	70
5269870235	SEAL, CHARGE AIR COOLER	2
5249910160	PIN ROLL	4
3.7305 ELBOW, WATER INLET & OUTLET INTERCOOLER		
5260980015	ELBOW, AIR OUTLET LEFT BANK	1
5260980115	ELBOW, AIR OUTLET RIGHT BANK	1
23509520	BOLT, M12X1.75X47.0 METRIC FLG. HEX HD.	8
11509607	NUT, M12 X 1.75	8
5269970045	SEAL RING, SQUARE SECTION	2
700429140000	SEAL RING, 140 X 8	1
0009976032	PLUG, SOCKET HEAD (INCLUDES 1-0005330280 SEAL RING)	2

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4.1000A - OIL PUMP		
4.1001	PUMP ASSY., OIL	
0021803301	OIL PUMP (12V)	1
000931010247		
	BOLT, M10 X 1.5 X 120	3
000933010093		
	BOLT, M10 X 35 8.8	1
000125010524		
	WASHER, A10.5	4
4.1000B - OIL DISTRIBUTION SYSTEM		
4.1530	SCREEN, OIL PUMP INLET	
5241800055	BASKET, SUCTION	1
700292008400		
	WASHER, TAB LOCKING	4
5240140140	RETAINER	2
5240140207	SPACER, SUCTION BASKET	1
000933008143		
	BOLT, M8 X 60 8.8	4
700429075002		
	SEAL RING, 75 X 3.5	2
4.1000B - OIL DISTRIBUTION SYSTEM		
4.1581	TUBE, JUNCTION BLOCK INLET	
5241870101	TUBE, 229 X 23.2D	10
5241870201	TUBE, 141.5 X 23.2D	1
5241870401	TUBE, 185.5 X 23.2	1
5241870240	BLOCK, PSTN LUBE NOZZLE SUPT	10
5241870940	BLOCK, PSTN LUBE NOZZLE SUPT.	2
5241801343	NOZZLE, PISTON LUBE OIL	12
000931008228		
	BOLT, M8 X 80 8.8	24
700429024002		
	SEAL RING 24 X 4	24
4.1582	VALVE, OIL PRESSURE RELIEF	
5241800015	VALVE ASSY., PRESSURE	2
000472048000		
	RING, SNAP 48 X 1.75	2
5241870276	WASHER	2
700429040000		
	SEAL RING, 40 X 3	2
700429041000		
	SEAL RING, 41 X 4	2
700429048000		
	SEAL RING, 48 X 4	2
4.1000C - OIL PRESSURE REGULATOR		
4.1695	TUBE, OIL DRAIN	
5271800019	PIPE ASM	1
23550088	BOLT, BANJO A10	2
007603014102		
	WASHER, A14 X 18 COPPER	4
4.1697	CLIP, OIL DRAIN TUBE	
5241880440	BRACKET	1
700325012100		
	CLAMP, HALF TUBE	2
304017008083		
	BOLT, M8 X 30	1
700327008000		
	GROMMET, M8	1
4.1700	VALVE, OIL PRESSURE REGULATOR	
0001800015	VALVE, PRESSURE REDUCING (INCLUDES 1-700429037000 SEAL RING)	1

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PART #	NAME AND DESCRIPTION	QUANTITY
4.2000A - OIL FILTER		
4.2240	FILTER ASSY., OIL	
5241800340	ADAPTOR ASSY., OIL FILTER VERTICAL	1
4.2240	FILTER ASSY., OIL	
5241840102	ADAPTOR, OIL FILTER	1
5319970132	PLUG ASSY., M42 X 2	3
5319971432	PLUG ASSY., M14 X 1.5	5
5319971832	PLUG ASSY., M10 X 1.00	3
5366190715	PLUG ASM	1
5366191015	PLUG ASSY., ISO 6149 PORT M33 X 2.0	2
4.2352	ADAPTOR, OIL FILTER ASSY.	
5241840068	CONNECTOR, OIL FILTER ADAPTOR	4
4.2485	VALVE, OIL FILTER BYPASS	
5241840028	VALVE, BYPASS	1
4.2486	SPRING, OIL FILTER BYPASS VALVE	
5241840031	SPRING, BYPASS VALVE	1
4.2488	PLUG, OIL FILTER BYPASS VALVE	
5241840156	PLUG ASSY., M42 X 2 X 24 (INCLUDES 1-5319970245)	1
000933010058		
	BOLT, M10 X 35 10.9	7
00103341	WASHER	7
5249970645	SEAL, SQUARE 66.72 OD X 59.92 ID X 3.40	7
700429024000		
	SEAL RING, 24 X 5	2
4.2250	ELEMENT, OIL FILTER	
23540000	FILTER, LUBE OIL	4
4.2290	COVER, OIL FILTER	
5241840008	COVER, SPINNER FILTER	1
000933012051		
	BOLT, M12 X 50 8.8	4
200433013000		
	WASHER	4
5249970545	SEAL, SQUARE 130.22 OD X 123.42 ID X 3.40	1
4.2440	BRACKET, OIL FILTER MOUNTING	
5241840240	BRACKET, FILTER ADAPTOR SUPPORT	1
000933010058		
	BOLT, M10 X 35 10.9	5
000933012051		
	BOLT, M12 X 50 8.8	2
4.4000A - OIL COOLER		
4.4001	CORE, OIL COOLER ENGINE	
5241880126	ELEMENT, COOLER	6
4.4030	GASKET, OIL COOLER CORE INNER	
5139805	SEAL RING, 1.171 X .139	24
4.4040	GASKET, OIL COOLER CORE OUTER	
5141039	GASKET, OIL COOLER ELEMENT (4.4030)	12
4.4050	HOUSING, OIL COOLER ENGINE	
5241880204	* HOUSING OIL COOLER 30 PLATE	2
11509799	BOLT, M10 X 1.5 X 70 MM	10
218443	NUT, 3/4"-10	12
5319971432	PLUG ASSY., M14 X 1.5	2
	(INCLUDES 1-0005330280 SEAL RING)	
8929357	BOLT, M10 X 1.5 X 120 (12.9001)	2
* NOT SERVICED, USE 1-5241880604 HOUSING AND ALSO INCLUDE 1-700429290000 SEAL RING.		
4.4055	GASKET, OIL COOLER HOUSING	
5241870080	GASKET	2
	(FOR USE WITH 5241880204 HOUSING ONLY)	
4.4218	CONNECTION, OIL COOLER WATER CROSSOVER	

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PART #	NAME AND DESCRIPTION	QUANTITY
4.4000A - OIL COOLER		
5241870253	COOLER TUBE CROSSOVER	1
5241880140	RETAINER CROSSOVER TUBE	1
5249970145	SEAL RING, 101.90 OD X 94.84 ID	2
700429100001		
	SEAL RING, 100 X 4	2
11509799	BOLT, M10 X 1.5 X 70 MM	4
5241880351	LOCKING NUT	1
4.6000A - DIPSTICK		
4.6001 DIPSTICK		
5240100772	DIPSTICK, 675 X 490 X 545 12V	1
4.6020 GUIDE, DIPSTICK		
5240100266	TUBE ASSY., DIPSTICK W/7 BOLT COVER	1
8800180770	CONNECTOR, THREADED	1
700429012002		
	SEAL RING 12 X 5	1
007603022102		
	WASHER, A22 X 27 COPPER	1
4.6060 DIPSTICK ADAPTOR & OIL FILLER PLATE		
0000181802	CAP, OIL FILLER	1
5240100164	FILLER NECK, OIL	1
000933010035		
	BOLT, M10 X 25	14
4.6061 GASKET, DIPSTICK ADAPTOR & OIL FILLER PLATE		
5240111380	GASKET, ACCESS COVER	2
4.7000A - OIL PAN		
4.7001 PAN, OIL		
5260100313	PAN ASSY., OIL	1
23525558	KIT, DEEP SUMP PAN W/SIGHT GAUGE	AR
5103185	PLUG, 1" SQ. HD. (12.9550)	2
700209010208		
	BOLT, M10 1.50 X 90.0	26
735151010100		
	WASHER, A10.5	10
5135765	SPACER, 3/4" O.D. X 24/32" L. (5.2190)	8
5156404	SPACER, (13/32" X 3/4" X 1 7/16") (4.8040)	18
000931010105		
	BOLT, M10 X 60	10
4.7030 GASKET, OIL PAN TO BLOCK		
5269870735	SEAL, RUBBER STRIP	1
4.7080 PLUG, OIL PAN DRAIN		
5240140045	FLANGE	2
5240140145	FLANGE	2
23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	2
000912010038		
	BOLT, M10 X 30	8
4.7090 GASKET, OIL PAN DRAIN PLUG		
5240111480	GASKET	4
4.8000A - VENTILATING SYSTEM		
4.8001 PIPE ASSY, BREATHER		
5240100970	TUBE BREATHER (LB)	1
5260100070	TUBE BREATHER (RB)	1
5249902501	BOLT, M10 1.50 X 25.0 12 PT	4
4.8010 EXTENSION, BREATHER TUBE		
5241880020	HOSE	2
4.8020 GASKET, BREATHER TUBE		

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PART #	NAME AND DESCRIPTION	QUANTITY
4.8000A - VENTILATING SYSTEM		
5501871280	GASKET	2
4.8039 CLAMP, BREATHER TUBE		
23505048	CLAMP, 2"-2 1/2" DIA. HOSE	4
4.8045 BREATHER ASSY.		
23523782	SEPARATOR OIL/AIR CLY BLK VENT BTHR.(A)	1
23523783	SEPARATOR OIL/AIR CYL BLK VENT BTHR.(B)	1
5249950001	CLAMP BREATHER	1
4.8056 BRACKET, BREATHER/COLLECTOR MOUNTING		
5260180040	BRACKET BREATHER SUPPORT	1
23505050	BOLT, M10 X 1.5 X 85	1
5240940153	SPACER	4
11506101	NUT, M10 X 1.5	1
4.8187 HOSE, OIL DRAIN		
CAHP0510	HOSE ASSY., #6 X 51.0 X 53.4 H&P FC234	2
8929831	CONNECTOR, STRAIGHT 3/8FLD TUBE 3/8 PIPE (12.9460)	2
8929833	CONNECTOR, 3/8" INV. FL. TUBE; 5/8" PIPE (12.9460)	2
5135308	VALVE (SWING TYPE)	2
23509447	ELBOW, 90 DEG. 3/8" NPTF ZINC	2
11503454	BOLT, M10 X 1.5 X 20.0	2
2362448	CLIP .688" DIA 3/8" BOLT CTD (12.8554)	2
4.8195 COVER, BREATHER HOLE IN BLOCK		
5240111332	COVER	2
000933010035	BOLT, M10 X 25	14
4.8196 GASKET, BREATHER HOLE COVER		
5240111380	GASKET, ACCESS COVER	2

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PART #	NAME AND DESCRIPTION	QUANTITY
5.1000 - FRESH WATER PUMP		
5.1001	PUMP ASSY., FRESH WATER	
23523200	(R) PUMP KIT, WATER HI TEMP CLG CIRCUIT	1
5.1001	PUMP ASSY., FRESH WATER	
A PUMP KIT INCLUDES PUMP ASSY. AND ITEMS IN 5.1010.		
5.1010	GASKET, FRESH WATER PUMP	
700429120002	SEAL RING, 120 X 6	1
700429130003	SEAL RING, 130 X 5	1
000931012143	BOLT, M12 X 70	1
000931012176	BOLT, M12 X 150	1
000933012051	BOLT, M12 X 50 8.8	1
000934012008	NUT, HEX M12	1
5.1000 - FRESH WATER PUMP		
5.1001	PUMP ASSY., FRESH WATER	
23523201	(R) PUMP KIT, WATER LOW TEMP CLG CIRCUIT	1
5.1001	PUMP ASSY., FRESH WATER	
A PUMP KIT INCLUDES PUMP ASSY. AND ITEMS IN 5.1010.		
5.1010	GASKET, FRESH WATER PUMP	
700429130003	SEAL RING, 130 X 5	1
5242030380	GASKET, WATER PUMP INLET	1
5272030080	GASKET	1
000908018002	PLUG, THREADED M18 X 1.5	1
000931012143	BOLT, M12 X 70	1
000933012051	BOLT, M12 X 50 8.8	2
000934012008	NUT, HEX M12	1
5.2000A - WATER OUTLET MANIFOLD		
5.2001	MANIFOLD, WATER OUTLET	
5242030408	MANIFOLD, WATER L BANK CONNECTOR	1
5242030508	MANIFOLD, WATER R BANK CONNECTOR	1
5242030901	MANIFOLD, WATER RB FRONT	1
5242031001	MANIFOLD, WATER CENTER	2
5242031101	MANIFOLD, WATER R BANK REAR	1
5242031201	MANIFOLD, WATER L BANK FRONT	1
5242031301	MANIFOLD, WATER L BANK REAR	1
5319971432	PLUG ASSY., M14 X 1.5 (INCLUDES 1-0005330280 SEAL RING)	1
000931010122	BOLT, M10 X 1.5 X 75	10
000931010147	BOLT, M10 X 100	17
5.2010	GASKET, WATER OUTLET MANIFOLD	
5242030480	GASKET	1
5242030580	GASKET, RADIATOR SUPPLY	1
700429024000	SEAL RING, 24 X 5	12
5.2043	SEAL, WATER OUTLET MANIFOLD	
700429063000	SEAL RING, 63 X 5	4
700429083000	SEAL RING, 83 X 5	2
700429085002	SEAL RING, 85 X 6	2

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PART #	NAME AND DESCRIPTION	QUANTITY
5.2000A - WATER OUTLET MANIFOLD		
5.2045	TUBE, WATER OUTLET MANIFOLD	
5242008351	TUBE ASSY., WATER	1
5242008451	TUBE ASSY., WATER	1
5242008551	TUBE ASSY., WATER	1
5242008651	TUBE ASSY., WATER	1
5249971772	TEE, FITTING M14 X 1.5 X 9/16-18 (INCLUDES 1-0005333080 & 1-5319972945 SEAL RING)	2
5249971472	FITTING, TEE M14 X 1.5 X 9/16-18 (INCLUDES 1-00053330280 & 1-5319972045 SEAL RINGS)	2
5249971972	FITTING, M14 X 1.5 9/16-18 90 DEG (INCLUDES 1-5319972045 & 1-5319973045 SEAL RINGS)	2
5130913	BRACKET (7.4597)	1
5134455	BRACKET (INLET SUPPORT PIPE)	1
5163538	CLIP, 3/16" TUBE (7.8320)	2
11503454	BOLT, M10 X 1.5 X 20.0	3
23517272	SCREW ASSY., M6 X 1 X 12	1
120393	WASHER, 5/16"	1
11506101	NUT, M10 X 1.5	2
5.2000B - THERMOSTAT		
5.2050	THERMOSTAT ASSY.	
0052033575	THERMOSTAT ASSY., 170 FULL 189 DEG	4
5.2060	SEAL, THERMOSTAT	
5132155	SEAL	4
5.2090	HOUSING, THERMOSTAT	
5242001516	HOUSING, THERMOSTAT HI TEMP	1
000931010308		
	BOLT, M10 X 50	1
000931010332		
	BOLT, M10 X 150	4
5.2110	GASKET, THERMOSTAT HOUSING	
700429070000		
	SEAL RING, 70 X 5	1
700429100001		
	SEAL RING, 100 X 4	2
5.2155	HOUSING, WATER DISTRIBUTION	
5242003016	HOUSING, WATER DISTRIBUTION	1
5242031122	ELBOW	1
000908030002		
	PLUG, SCREW M30	1
000908038000		
	PLUG, SCREW M38	1
5242030686	COVER	1
5242030886	COVER	1
000931010105		
	BOLT, M10 X 60	3
000931012143		
	BOLT, M12 X 70	5
000931016080		
	BOLT, M16 X 150	1
000931016125		
	BOLT, M16 X 180	12
000933010035		
	BOLT, M10 X 25	9
000933012051		
	BOLT, M12 X 50 8.8	2
5242030939	COVER PLATE	1
007603030101		
	WASHER, A30 X 36 COPPER	1
007603038101		
	WASHER, A38 X 44 COPPER	1
700429042000		
	SEAL RING, 42 X 5	1

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PART #	NAME AND DESCRIPTION	QUANTITY
5.2000B - THERMOSTAT		
700429055001	SEAL RING, 55 X 5	1
700429070000	SEAL RING, 70 X 5	2
700429080001	SEAL RING, 80 X 5	1
700429083000	SEAL RING, 83 X 5	2
5242030080	GASKET	1
5242031152	RESTRICTOR	1
007604014100		
5319971432	PLUG, THREADED M14 X 1.5	3
	PLUG ASSY., M14 X 1.5	3
	(INCLUDES 1- 0005330280 SEAL RING)	
007603014106	WASHER, A14 X 20 COPPER	3
5.3000B - WATER CONNECTIONS		
5.3336 ELBOW, WATER PUMP OUTLET		
5242000318	ELBOW ASM	1
5242032253	TUBE, 98 X 240	1
5242030139	FLANGE	1
5242030340	SUPPORT, MOUNTING HOLDER	1
000933010094		
	BOLT, M10 X 40	5
000933012051		
	BOLT, M12 X 50 8.8	2
000125010524		
	WASHER, A10.5	3
5.3337 GASKET, WATER PUMP INLET AND OUTLET ELBOW		
700429085002	SEAL RING, 85 X 6	2
700429105000	SEAL RING, 105 X 5	1
700429120002	SEAL RING, 120 X 6	1
5.3345 CONNECTION, WATER PUMP TO THERMOSTAT HOUSING		
5242032053	CONNECTOR, WATER TUBE 98 X 70	1
5242030139	FLANGE	1
700429085002	SEAL RING, 85 X 6	2
700429105000	SEAL RING, 105 X 5	1
000933010094	BOLT, M10 X 40	2
5.3350 CONNECTION, OIL COOLER WATER INLET		
5242032053	CONNECTOR, WATER TUBE 98 X 70	1
5242030039	FLANGE	1
000908030002	PLUG, SCREW M30	1
007603030101	WASHER, A30 X 36 COPPER	1
5.3360 GASKET, OIL COOLER WATER INLET CONNECTION		
700429085002	SEAL RING, 85 X 6	2

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PART #	NAME AND DESCRIPTION	QUANTITY
6.1000A	- EXHAUST MANIFOLD	
6.1001	MANIFOLD, EXHAUST	
5241422804	MANIFOLD, EXHAUST (CENTER TURBO 12V)	2
5241422904	MANIFOLD, EXHAUST END (12V)	2
5241423004	MANIFOLD, EXHAUST (END TURBO 12V)	2
8929357	BOLT, M10 X 1.5 X 120 (12.9001)	48
23511667	SPACER	48
6.1010	GASKET, EXHAUST MANIFOLD	
5241420580	GASKET, EXHAUST MANIFOLD	12

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PART #	NAME AND DESCRIPTION	QUANTITY
7.1000A - BATTERY CHARGING GENERATOR		
7.1001 GENERATOR ASSY.		
19010182	GEN CHRGR AC 24V70A NG CW/CCW 21SI	1
R0459110	ALTERNATOR, 24V 70A 21SI (REMANUFACTURED)	AR
191268	BOLT, 1/2"-13X6 1/2" (12.9001)	1
102637	NUT, 1/2"-13	1
7.1500 PULLEY, GENERATOR		
5241550015	PULLEY, ALTERNATOR 12-16V	1
7.1507 DRIVE ASSY., GENERATOR		
5240050015	(R) DRIVE ASSY., ACCESSORY	1
11509528	BOLT, M12 X 1.75 X 30 MM	6
7.1508 GASKET, GENERATOR DRIVE		
700429135000	SEAL RING, 135 X 5	1
7.1575 BELT, GENERATOR DRIVE		
5249970192	BELT, ALTERNATOR (1029.5) 12-16V	1
7.1580 STRAP, GENERATOR ADJUSTING		
23511669	LINK, ADJUSTING ROD	1
23511670	ROD, ALTERNATOR ADJUSTING M16 X 2 X 254	1
5241540076	BRACKET, ALTERNATOR TENSION ADJ. ROD	1
11505299	BOLT, M10 X 1.5 X 30.0 MM	1
23505062	BOLT, M10 X 1.5 X 40	2
442733	BOLT, 1/2"-13 X 1.25" (12.9001)	1
103345	WASHER, 5/8"	2
11501055	NUT, M16X2.0	2
11506101	NUT, M10 X 1.5	3
7.1585 GUARD, GENERATOR DRIVE BELT AND PULLEY		
23526299	+ GUARD, ALTERNATOR BELT	1
+ NOT SERVICED, FOR SERVICE USE 1-23540264 GUARD ASSY. ALT BELT, 1-5130037 BO LT, 1-23505050 BOLT AND 1-23509412 BOLT.		
7.1595 BRACKET, GENERATOR MOUNTING		
5241550027	BRACKET, ALTERNATOR MOUNTING	1
187364	BOLT, 1/2"-13X7 1/4"	1
23526406	BOLT, M12 1.75 X 35.0	4
000125013012	WASHER, A13	2
7.3000A - STARTING MOTOR		
7.3001 MOTOR ASSY., STARTING		
10479199	STARTER, R BANK 50 MT 24V	1
10479200	STARTER, L BANK 50 MT 24V	1
11505769	BOLT, M16X2.0X45.0 MM 12 PT.	6
7.3255 SWITCH, STARTING MOTOR SOLENOID		
01115615	SWITCH, MAG 24V	2

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PART #	NAME AND DESCRIPTION	QUANTITY
11.1000A - ENGINE MOUNTS		
11.1075	BRACKET, ENGINE SUPPORT	
5242300142	CARRIER ASM	2
000933010180		
	BOLT, M10 X 28	4
200933020002		
	BOLT, M20 X 300	4
200933020004		
	BOLT, M20 X 200	4
000125010524		
	WASHER, A10.5	4
000125021009		
	WASHER, A21	8
11.1090 SUPPORT, ENGINE FRONT TRUNNION MOUNTING		
000007016104		
	PIN, DOWEL SOLID 6M X 32	4
700429192000		
	SEAL RING, 192 X 4	2

		TYPES									
FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS	ASSY. SECT.								
		NAME AND DESCRIPTION									
		OIL, ENGINE LUBRICATING									
	12.8025										
	23520323	1 GAL. POWER GUARD GOLD SAE 40 SYNTHETIC (CLOSED CRANKCASE APPLICATIONS)	AR								
	23520324	5 GAL. POWER GUARD GOLD SAE 40 SYNTHETIC (CLOSED CRANKCASE APPLICATIONS)	AR								
	12.8070	HAND CLEANERS									
	23523182	HAND CLEANER FAST ORANGE SMOOTH LOTION 15OZ BOTTLE	AR								
	23523185	HAND CLEANER FAST ORANGE PUM-ICE LOTION 15OZ BOTTLE	AR								
	23523187	HAND CLEANER TROUNCE LOTION 15OZ BOTTLE	AR								
	23523183	HAND CLEANER FAST ORANGE SMOOTH LOTION 1GAL BOTTLE	AR								
	23523184	HAND CLEANER FAST ORANGE PUM-ICE LOTION 1GAL BOTTLE	AR								
	23523186	HAND CLEANER TROUNCE LOTION 1GAL BOTTLE	AR								
	23523223	BRACKET, WALL MOUNT 1GAL PUMP BOTTLE	AR								
	12.8260	ADDITIVES, SUPPLEMENTAL COOLANT									
	23522127	POWER COOL PLUS 6000 FOR MA-RINE/OTHER WATER ONLY SYSTEMS 1 GAL	AR								
	23522128	POWER COOL PLUS 6000 FOR MA-RINE/OTHER WATER ONLY SYSTEMS 5 GAL	AR								
	12.8291	KIT, OIL ANALYSIS									
	23520989	KIT, POWER TRAC LUBE OIL ANALY-SIS W/TOTAL BASE NUMBER	AR								
	12.8300	PANEL, INSTRUMENTS									
	23520758	GAGE PANEL, MECHANICAL 15' CAP-ILLARY 12/24V (7.4005)	AR								
	23520757	GAGE PANEL, MECHANICAL 31' CAP-ILLARY 12/24V (7.4005)	AR								
	23513680	GAGE PANEL, INSTRUMENT CON-TROL BLANK (7.4005)	AR								
	23519833	BRACKET, 1-HOLE MOUNTING BLACK (7.4005)	AR								
	23513217	BRACKET, 2-HOLE MOUNTING RUB-BER (7.4005)	AR								
	23519834	BRACKET, 2-HOLE MOUNTING BLACK (7.4005)	AR								
	23519835	BRACKET, 3-HOLE MOUNTING BLACK (7.4005)	AR								

TYPES

FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS	ASSY. SECT.	A																
		NAME AND DESCRIPTION																		
	12.8310	GAGE, AMMETER																		
	23519803	GAGE, AMMETER 60-0-60 BLACK (7.4015)		AR																
	23520723	GAGE, AMMETER 60-0-60 CHROME (7.4015)		AR																
	23519804	GAGE, AMMETER 100-0-100 BLACK (7.4015)		AR																
	23520756	GAGE, AMMETER 100-0-100 CHROME (7.4015)		AR																
	23520733	GAGE, AMMETER 150-0-150 W/EX-TECHROMERNA SHUNT (7.4015)		AR																
	12.8315	GAGE, AIR PRESSURE																		
	23519792	GAGE, AIR PRESSURE 150 PSI SINGLE CHROME (7.4024)		AR																
	23520732	GAGE, AIR PRESSURE 150 PSI SINGLE BLACK (7.4024)		AR																
	23519836	KIT, PRESSURE TUBING 6' X 1/8" COPPER		AR																
	12.8320	GAGE, TACHOMETER																		
	23519774	GAGE, TACH 3000RPM W/O HRMETER DDEC COMPATIBLE BLK (USE SENDER 23519819,23519820 OR 23519821)		AR																
	23519775	GAGE, TACH 3000RPM W/HRMETER DDEC COMPATIBLE BLACK (USE SENDER 23519819,23519820 OR 23519821)		AR																
	23519776	GAGE, TACH 3000RPM W/HRMETER DDEC COMPATIBLE CHROME (USE SENDER 23519819, 23519820 OR 23519821)		AR																
	23519777	GAGE, TACH 3500RPM 1:2 W/REV COUNTER MECH CHROME (7.4060)		AR																
	23520728	GAGE, TACH 3,500 RPM 1:2 RATIO MECHANICAL (7.4060)		AR																
	23519819	GAGE, SPEEDO/TACH MAGNETIC PICK UP 3.5"L. 3/4"-16		AR																
	23519820	SENDER, SPEEDO/TACH HALL EFFECT 7/8"-18		AR																
	23519821	SENDER, SPEEDO/TACH GENERATOR 7/8"-18 (USE 6469745 OR 6469746) (7.4180)		AR																
	6469745	KEY, .152" SPEEDO/TACH GENERATOR		AR																
	6469746	KEY, .187" SPEEDO/TACH GENERATOR		AR																

TYPES

FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS	ASSY. SECT.	A																
		NAME AND DESCRIPTION																		
	12.8330	GAGE, OIL PRESSURE - ENGINE																		
	23519790	GAGE, OIL PRESSURE 100 PSI MECHANICAL BLACK (7.4070)		AR																
	23520731	GAGE, OIL PRESSURE 100 PSI MECHANICAL CHROME (7.4070)		AR																
	23519791	GAGE, OIL PRESSURE 150 PSI MECHANICAL BLACK (7.4070)		AR																
	23520721	GAGE, OIL PRESSURE 150 PSI MECHANICAL CHROME (7.4070)		AR																
	23520744	GAGE, OIL PRESSURE 80 PSI 12V0-90 OHM CHROME (USE SENDER 23511477,23512594,23512979,23513978)		AR																
	23519798	GAGE, OIL PRESSURE 100 PSI 12V10-180 OHM BLACK (USE SENDER 23519826) (7.4070)		AR																
	23519799	GAGE, OIL PRESSURE 150 PSI 12V10-180 OHM BLACK (USE SENDER 23519827) (7.4070)		AR																
	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 80PSI FLTING GRD DUAL (7.4070)		AR																
	23513978	SENDER,OIL PRESSURE 80PSI, 1/4"-18NPT,FLOATING GRD (7.4070)		AR																
	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																

TYPES

FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS	ASSY. SECT.	A																
		NAME AND DESCRIPTION																		
	12.8335	GAGE, OIL PRESSURE – TRANSMISSION																		
	23520746	GAGE, TRANS PRESSURE 400 PSI 12V CHROME (USE SENDER 23511617,23513980 OR 23513981)	AR																	
	23519800	GAGE, TRANS PRESSURE 400 PSI 12V BLACK (USE SENDER 23511617,23513980 OR 23513981)	AR																	
	23520730	GAGE, TRANS PRESSURE 400 PSI MECHANICAL CHROME (7.4071)	AR																	
	23519794	GAGE, TRANS PRESSURE 400 PSI MECHANICAL BLACK (7.4071)	AR																	
	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																	
	23519836	KIT, PRESSURE TUBING 6' X 1/8" COP- PER	AR																	
	12.8340	GAGE, OIL TEMPERATURE																		
	23520734	GAGE, OIL TEMP 340F 48" CAPILLARY MECH CHROME (7.4077)	AR																	
	23520735	GAGE, OIL TEMP 340F 72" CAPILLARY MECH CHROME (7.4077)	AR																	
	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																	
	23520736	GAGE, OIL TEMP 340F 180" CAP- ILLARY MECH CHROME (7.4077)	AR																	
	23520737	GAGE, OIL TEMP 340F 360" CAP- ILLARY MECH CHROME (7.4077)	AR																	
	23519797	GAGE, OIL TEMP 300F, 12V (USE SENDER 23519824 OR 23519825) (7.4077)	AR																	
	23519824	SENDER, OIL TEMP, 300DEG 1/4"-18NPT, STANDARD GROUND (7.4077)	AR																	
	23519825	SENDER, OIL TEMP, 300DEG 1/2"-14NPT, STANDARD GROUND (7.4077)	AR																	
	23519830	ADAPTOR, 3/8"-18 NPT MECHANICAL GAGE	AR																	
	23519829	ADAPTOR, 1/2"-14 NPT MECHANICAL GAGE	AR																	

		TYPES									
FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS	ASSY. SECT.	A							
		NAME AND DESCRIPTION									
	12.8345	GAGE, WATER TEMPERATURE									
	23519779	GAGE, WATER TEMP 265F, 18" CAP- ILLARY (7.4080)	AR								
	23519780	GAGE, WATER TEMP 265F, 30" CAP- ILLARY (7.4080)	AR								
	23519781	GAGE, WATER TEMP 265F, 48" CAP- ILLARY (7.4080)	AR								
	23519782	GAGE, WATER TEMP 265F, 72" CAP- ILLARY (7.4080)	AR								
	23519783	GAGE, WATER TEMP 265F, 96" CAP- ILLARY (7.4080)	AR								
	23519784	GAGE, WATER TEMP 265F, 144" CAP- ILLARY (7.4080)	AR								
	23519785	GAGE, WATER TEMP 265F, 180" CAP- ILLARY (7.4080)	AR								
	23519786	GAGE, WATER TEMP 265F, 372" CAP- ILLARY (7.4080)	AR								
	23520722	GAGE, WATER TEMP 265F, 18" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520724	GAGE, WATER TEMP 265F, 30" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520725	GAGE, WATER TEMP 265F, 48" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520726	GAGE, WATER TEMP 265F, 72" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520727	GAGE, WATER TEMP 265F, 120" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520701	GAGE, WATER TEMP 265F, 180" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520738	GAGE, WATER TEMP 265F, 144" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23520739	GAGE, WATER TEMP 265F, 372" CAP- ILLARY MECHANICAL CHROME (7.4080)	AR								
	23519795	GAGE, WATER TEMP 220F 12V US OHM RANGE (7.4080)	AR								
	23519796	GAGE, WATER TEMP 250F, 12VUSE SENDER 23511301,1303,3982,3983 OR 9823	AR								
	23520740	GAGE, WATER TEMP 250F, 12V (7.4080)	AR								
	23520742	GAGE, WATER TEMP 250F, 32V RE- SISTOR KIT (7.4080)	AR								
	23519823	SENDER, TEMP. 250DEG3/8"-18NPT STANDARD GROUND (7.4080)	AR								

		TYPES									
FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS	ASSY. SECT.	A							
		NAME AND DESCRIPTION									
	12.8345	GAGE, WATER TEMPERATURE (CONT.)									
	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								
	23511301	SENDER,TEMP 250DEG,3/8"-18NPT, DUAL STATION (7.4080)	AR								
	23513983	SENDER, TEMP 250 DEG 1/4"-18 DUAL STATION FLT GRD (7.4080)	AR								
	23519830	ADAPTOR, 3/8"-18 NPT MECHANICAL GAGE	AR								
	23519829	ADAPTOR, 1/2"-14 NPT MECHANICAL GAGE	AR								
	12.8350	GAGE, FUEL VOLUME									
	23519806	GAGE, FUEL 0-90 OHM CHROME (USE SENDER 23519816) (7.4086)	AR								
	23519809	GAGE, FUEL 0-90 OHM BLACK (USE SENDER 23519816) (7.4086)	AR								
	23519807	GAGE, FUEL 10-180 OHM CHROME (USE SENDER 23519817) (7.4086)	AR								
	23519810	GAGE, FUEL 10-180 OHM BLACK (USE SENDER 23519817) (7.4086)	AR								
	23519808	GAGE, FUEL 240-33 OHM CHROME (USE SENDER 23519818) (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								
	23519818	SENDER,FUEL 6-23" ADJUSTABLE 240-33 OHMS (7.4086)	AR								
	12.8360	LAMP, INSTRUMENTS 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								
	12.8365	SOCKET, LAMP INSTRUMENTS PANEL									
	23519839	SOCKET, BULB T-3 1/4 WEDGE BASE (7.4105)	AR								
	23519841	SOCKET, BULB TYPE C (7.4105)	AR								
	8920580	SOCKET, BULB TYPE A (7.4105)	AR								

TYPES

FIG.	PART NO.	12.8000A SUPPLIES/MAINTENANCE PRODUCTS NAME AND DESCRIPTION	ASSY. SECT.	A																
		GAGE, HOUR METER																		
	12.8370																			
	23519812	METER, HOUR QUARTZ 9-28V, NON ILLUMINATED CHROME (7.4118)		AR																
	23519813	METER, HOUR QUARTZ 9-28V, NON ILLUMINATED BLACK (7.4118)		AR																
	23519814	METER, HOUR QUARTZ 9-28V, WATERPROOF (7.4118)		AR																
	23519815	METER, HOUR QUARTZ MINIMETER 9-28V NON ILLUMINATED (7.4118)		AR																
	12.8375	GAGE, TURBO BOOST																		
	23519832	GAGE, TURBO BOOST 0-30 PSI (7.4160)		AR																
	23519842	GAGE, TURBO BOOST 0-30 PSI BLACK (7.4160)		AR																
	23519836	KIT, PRESSURE TUBING 6' X 1/8" COPPER		AR																
	12.8380	GAGE, VOLTMETER																		
	23519801	GAGE, VOLTMETER 8-16V CHROME (7.4170)		AR																
	23519802	GAGE, VOLTMETER 8-16V BLACK (7.4170)		AR																
	12.8385	GAGE, SPEEDOMETER																		
	23519773	GAGE, SPEEDO 0-85 MPH PROGRAMMABLE 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																
	6469745	KEY, .152" SPEEDO/TACH GENERATOR (FOR USE WITH 23519821 OR 23520374)		AR																
	6469746	KEY, .187" SPEEDO/TACH GENERATOR (FOR USE WITH 23519821 OR 23520374)		AR																

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