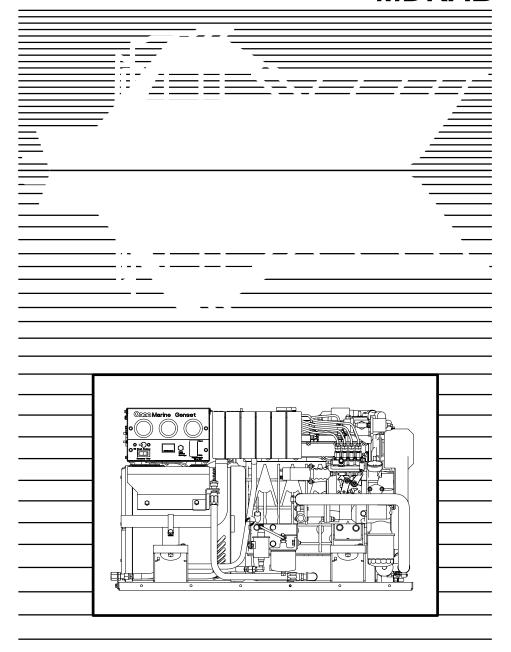
Marine

Genset Parts Catalog



MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION

AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.

A DANGER

This symbol warns of immediate hazards which will result in severe personal injury or death.

△WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

△CAUTION

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS

△WARNING

Service and repair of Onan equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.

△WARNING

Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.

△WARNING

Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!

△WARNING

Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This catalog applies to the standard marine generator sets listed below. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Unless otherwise mentioned in the description or page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine end (front) of the set.

MODEL	HERTZ				
MDKAA/*	50/60				
MDKAB/*	50/60				

^{* –} The diagonal line (/) in the model and specification number separates generator set characteristics from the specification number and letter. The specification number denotes customer requested options or deviations from the standard model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.

Adapter, DC Control Threaded, 63 Camshaft, Fuel, 15 Adapter, Pipe, 32 Cap, Coolant Tank, 42 Alternator (12V), 29 Cap, Cylinder Block Sealing, 7 Alternator (24V), 30 Cap, Cylinder Head Sealing, 21 Arm, Rocker, 24 Cap, Exhaust Manifold, 47 Armature, Starter (12V), 12 Cap, Injection Pump Eye Joint, 19 Armature, Starter (24V), 13 Cap, Oil Drain Hose Pipe, 43 Cap, Stop Lever, 17 Baffle Assy, Generator, 54 Cap, Valve, 24 Ball, Crankshaft, 8 Case, Main Bearing, 14 Ball, Pressure Valve, 27 Catch, Roof Spring, 56 Base, Fuel Filter Aluminum, 32 Circlip, Governor External, 18 Base, Mounting, 52 Circlip, Governor Shaft, 15 Bearing, Alternator (24V), 31 Circlip, Idle Gear, 9 Bearing, Connecting Rod, 10 Circlip, Piston Pin, 10 Bearing, Crankshaft, 8 Circlip, Rocker Arm External, 24 Bearing, Fork Lever, 18 Clamp, Injection Pipe, 22 Clip, Front Panel Door, 55, 57 Bearing, Fuel Camshaft, 15 Bearing, Generator Rotor Ball, 59 Clip, Hose, 32 Bearing, Governor Miniature, 18 Clip, Stop Solenoid Linkage, 37 Bearing, Governor Weight, 15 Clutch, Starter (12V), 12 Bearing, Raw Water Pump, 40 Clutch, Starter (24V), 13 Bearing, Starter Ball (24V), 13 Cock Assy, Cylinder Block Drain, 7 Bearing, Starter Oilless (12V), 12 Collar, Crankshaft, 8 Bearing, Water Pump, 28 Collar, Eye Joint, 19 Belt. Fan. 29. 30 Collar, Governor, 18 Block, Cylinder, 7 Collar, Governor Shaft, 15 Body, Raw Water Pump, 40 Collar, Idle Gear, 9 Boot, DC Pushbutton, 63 Collar, Speed Control Plate, 16 Boot, Engine Harness, 63 Collar, Starter (12V), 12 Box, AC Control, 61 Collet, Valve Spring, 24 Box, DC Control, 63 Components, Alternator (24V), 31 Bracket, Belt Guard, 53 Components, Captive Water Pump, 28 Bracket, Fuel Pump/Filter Mounting, 32 Components, Control Panel, 64 Components, Door, 55 Bracket, Heat Exchanger, 39 Bracket, Isolated Ground, 51 Components, Front Panel, 55 Components, Injection Pump, 20 Bracket, Lifting, 21 Bracket, Oil Drain, 43 Components, Nozzle Holder, 23 Bracket, Oil Pressure Switch, 43 Components, Rail, 58 Bracket, Relay, 63 Components, Raw Water Pump, 40 Bracket, Remote Separator Mounting, 34 Components, Remote Water Separator, 35 Bracket, Resistor, 37 Components, Roof, 56 Bracket, Rocker Arm, 24 Components, Starter, 12, 13 Bracket, Stop Solenoid, 37 Components, Starter (24V), 13 Breaker & Terminal Assy, DC, 63 Connecotr, Fuel System Male, 32 Breaker, AC Control Circuit, 61 Connector, Fuel System Female, 32 Breaker, DC Control Circuit, 63 Control, AC, 61 Brush, Alternator (24V), 31 Control, DC, 63 Brush, Starter Yoke (24V), 13 Cord, Glow Plug, 22 Bulkhead, 32 Coupling, Oil System Anchor, 43 Bush, Governor Gear, 7 Cover Assy, Generator Housing, 54 Bushing, Connecting Rod, 10 Cover, AC Control Box, 61 Bushing, Exhaust Manifold Reducer, 47 Cover, AC Control Circuit Breaker, 61 Bushing, Idle Gear, 9 Cover, Alternator Bearing (24V), 31 Bushing, Pipe, 32 Cover, Bearing Case, 14 Cover, Cylinder Head, 26 Cam, Fuel, 15 Cover, DC Control Box, 63 Camshaft, 9 Cover, Endbell, 59

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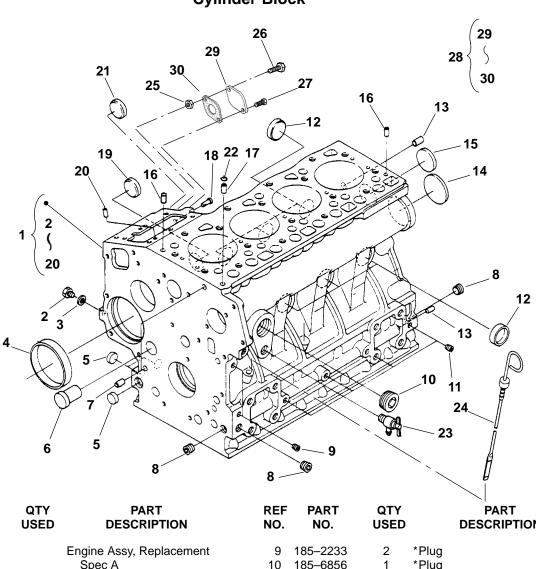
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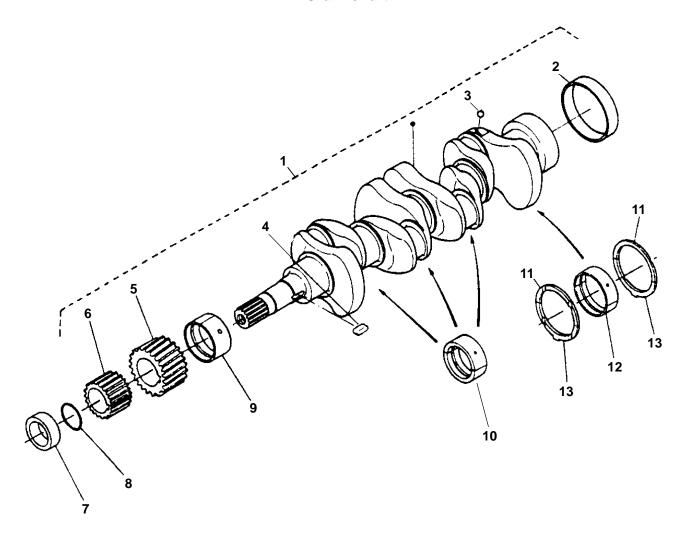
Cylinder Block



							<u> </u>
REF	PART	QTY	PART	REF		QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
			Engine Assy, Replacement	9	185–2233	2	*Plua
			Spec A	10	185-6856	1	*Plug
			MDKAA	11	185–2188	4	*Plug
	100-3459-01	1	12V	12	185-5484	6	*Cap, Sealing
	100-3459-02	1	24V	13	185-5487	2	*Pin, Straight
			MDKAB	14	185-6040	1	*Plug, Expansion
	100-3460-01	1	12V	15	185-2412	1	*Cap, Sealing
	100-3460-02	1	24V	16	185-5843	2	*Pin, Straight
			Begin Spec B	17	185-6469	1	*Pin, Pipe
			MDKAA	18	185-2102	1	*Pin, Start Spring
	100-3615-01	1	12V	19	185-7212	1	*Plug
	100-3615-02	1	24V	20	185-5486	2	*Pin, Straight
			MDKAB	21	185-6889	1	Cap, Sealing
	100-3620-01	1	12V	22	185-2095	1	O'Ring
	100-3620-02	1	24V	23	185-5490	1	Cock Assy, Drain
1		1	Block, Cylinder (Includes Parts	24	185-6866	1	Indicator, Oil Lever
			Marked *)	25	185-2367	1	Nut
	185-7245	1	MDKAA	26	185-2565	1	Bolt
	185-7302	1	MDKAB	27	185-2403	1	Bolt
2	185-5845	1	*Plug	28	155-3199	1	Kit, Keel Cooling (Includes
3	185-2338	1	*Gasket				Cover and Gasket)
4	185-6472	1	*Bush, Governor Gear	29	185–6578	1	Cover
5	185-6121	3	*Plug, Expansion	30	185–6579	1	Gasket
6	185-6471	1	*Plug				
7	185–2115	2	*Pin, Pipe				
8	185–6468	3	*Plug	* –	Parts Include	d in Cylin	der Block.

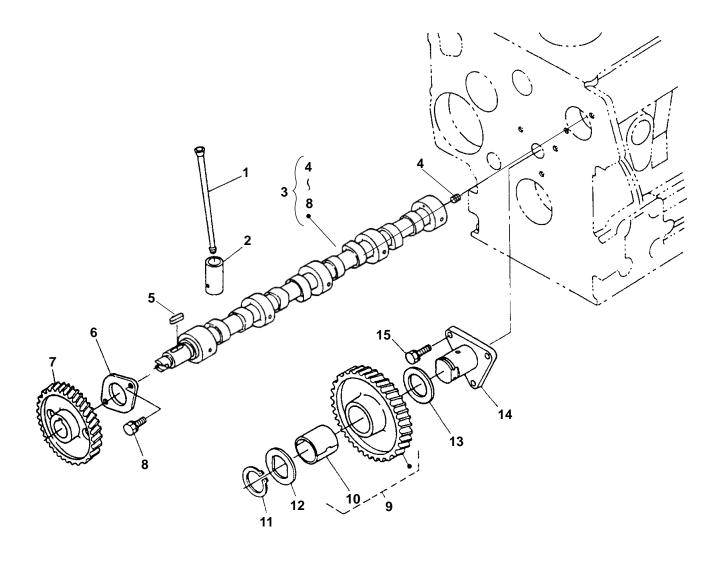
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Crankshaft



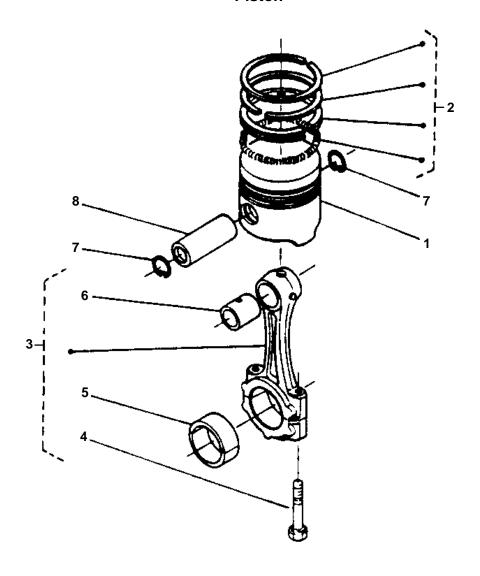
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Crankshaft (Includes Parts	11			Washer, Thrust
			Marked *)		185-5938	2	Standard
	185-7249	1	MDKAA		185-6555	2	.2mm, Oversize
	185-7312	1	MDKAB		185-6556	2	.4mm, Oversize
2	185-6543	1	*Sleeve, Crankshaft	12			Bearing, Crankshaft
3	185-5924	4	*Ball		185-6552	1	Standard
4	185-6541	1	*Key		185-6553	1	.2mm, Undersize
5	185-6540	1	*Gear, Crankshaft		185-6554	1	.4mm, Undersize
6	185-6542	1	*Gear, Oil Pump Drive	13			Washer, Thrust
7	185-6544	1	Collar, Crankshaft		185-5941	2	Standard
8	185-6545	1	O'Ring		185-5942	2	.2mm, Oversize
9			Bearing, Crankshaft		185-5943	2	.4mm, Oversize
	185-6546	1	Standard				
	185-6547	1	.2mm, Undersize				
	185-6548	1	.4mm, Undersize	* -	Parts Include	ed in Crank	shaft.
10			Bearing, Crankshaft				
	185-6549	3	Standard				
	185–6550	3	.2mm, Undersize				
	185–6551	3	.4mm, Undersize				

Camshaft



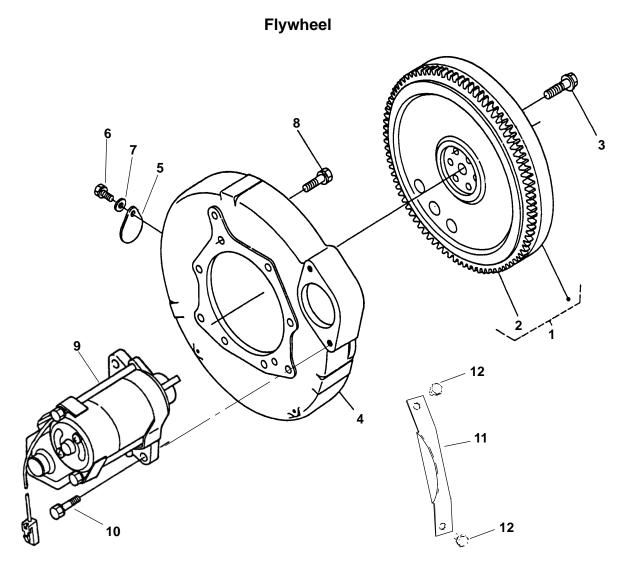
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–6517	8	Rod, Push	10	185-6522	1	Bushing, Idle Gear
2	185-6516	8	Tappet	11	185-6525	1	Circlip, Idle Gear
3	185-6518	1	Camshaft Assy (Includes Parts	12	185-6524	1	Collar, Idle Gear
			Marked *)	13	185-6523	1	Collar, Idle Gear
4	185-5558	1	*Screw, Set	14	185-6526	1	Shaft, Idle Gear
5	185-5560	1	*Key, Feather	15	185-2388	3	Bolt
6	185-6520	1	*Stopper, Camshaft				
7	185-6519	1	*Gear, Cam				
8	185-2387	2	*Bolt	* –	Parts Include	d in Cams	haft Assy.
9	185–6521	1	Gear Assy, Idle (Includes Bushing)				

Piston



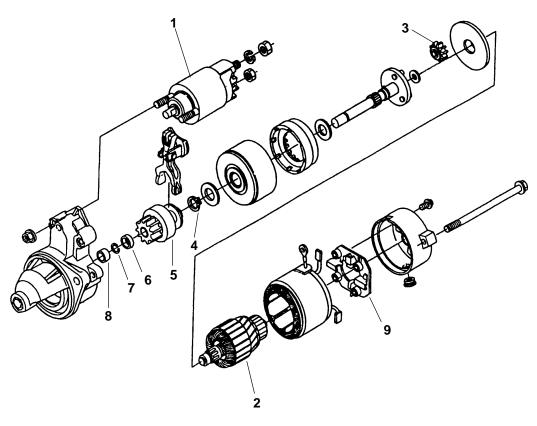
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Piston MDKAA	3	185–6533	4	Rod Assy, Connecting (Includes Bolt, Bearing and Bushing)
	185–6745	4	Standard	4	185-6535	8	Bolt, Connecting Rod
	185–6746	4	.5mm, Oversize	5			Bearing, Connecting Rod
			MDKAB		185-6536	4	Standard
	185–7308	4	Standard		185-6537	4	.2mm Undersize
	185–7309	4	.5mm Oversize		185-6538	4	.4mm Undersize
2			Ring Set, Piston	6	185-6534	4	Bushing, Connecting Rod
			MDKAA	7	185-6532	8	Circlip, Piston Pin
	185–6529	4	Standard	8	185-6531	4	Pin, Piston
	185–6530	4	.5mm Oversize				
			MDKAB				
	185–7310	4	Standard				
	185–7311	4	.5mm Oversize				

Flywheel



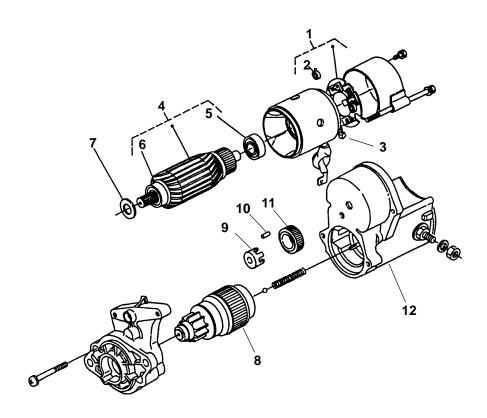
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-7250	1	Flywheel (Includes Ring Gear)	9		1	Starter (See Separate Page for
2	185-2170	1	Gear, Ring				Components)
3	185-6409	6	Bolt, Flywheel		185-7104	1	12V
4	185-7218	1	Housing, Flywheel		185-7105	1	24V
5	185-7219	1	Cover	10	185-2564	2	Screw
6	185-7222	1	Bolt	11	191-2275-01	1	Guard, Starter
7	185-7221	1	Washer, Plain	12	815-0194	2	Screw, Hex Head
8	185–2178	8	Bolt				(#10-32 x .38")

Starter Components (12V)



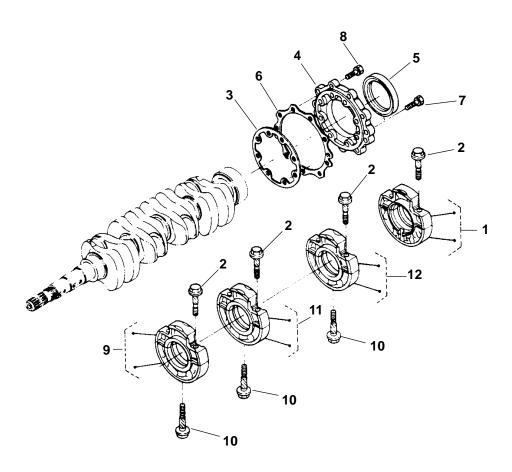
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	185–7104	1	Starter	7	185-6386	1	Ring, Snap
1	185-2658	1	Switch, Magnetic	8	185-7233	1	Bearing, Oilless
2	185-7231	1	Armature	9	185-7230	1	Holder, Brush
3	185-7234	3	Gear				
4	185-7235	1	Ring, Snap				
5	185-7232	1	Clutch, Starter	Note	: Parts not lo	dentified ar	e Not For Sale.
6	185–7236	1	Collar				

Starter Components (24V)



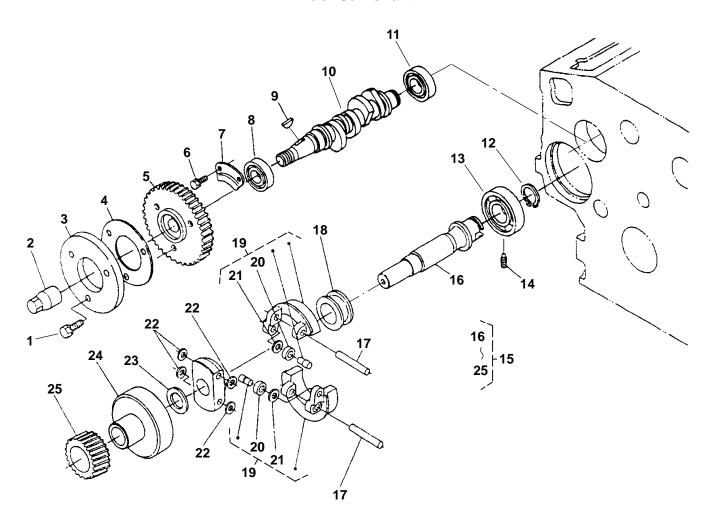
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	185–7105	1	Starter	8	185–6354	1	Clutch
1	185-7240	1	Holder Assy, Brush	9	185-6362	1	Retainer
2	185-6358	4	Spring, Brush	10	191-2252	5	Roller
3	185-7237	2	Brush, Yoke	11	185-7296	5	Gear, Pinion
4	185-7238	1	Armature	12	185-7239	1	Switch, Magnetic
5	185-6442	1	Bearing, Ball				
6	185-6441	1	Bearing, Ball				
7	185-6365	1	Washer, Felt	Note	e: Parts Not lo	dentified a	re Not Sold Separately.

Main Bearing Case



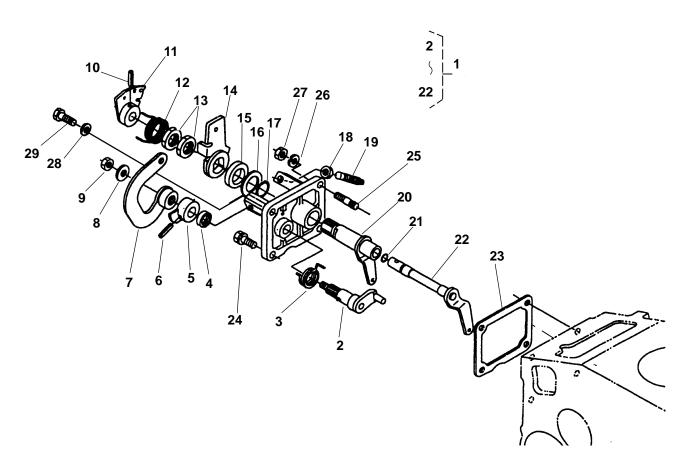
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-6506	1	Case Assy, Main Bearing	10	185-6513	3	Bolt, Bearing Case
2	185-6507	8	Bolt, Bearing Case	11			Case Assy, Main Bearing
3	185-6869	1	Gasket, Bearing Case		185-6514	1	MDKAA
4	185-6509	1	Cover, Bearing Case		185-7306	1	MDKAB
5	185-6510	1	Seal, Oil	12			Case Assy, Main Bearing
6	185-6871	1	Gasket, Bearing Case Cover		185-6515	1	MDKAA
7	185-2391	8	Bolt		185-7307	1	MDKAB
8	185-2390	9	Bolt				
9			Case Assy, Main Bearing				
	185-6512	1	MDKAA				
	185-7305	1	MDKAB				

Fuel Camshaft



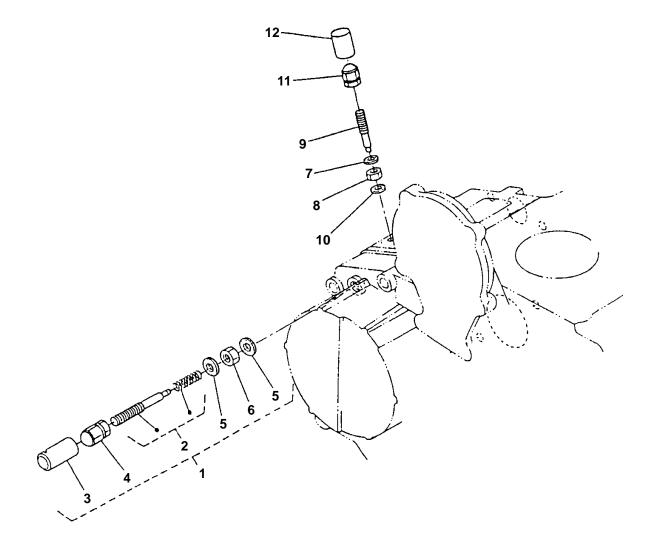
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–2389	3	Bolt	16	185–6564	1	*Shaft, Governor
2	185-6560	1	Nut, Cap	17	185-6569	2	*Shaft, Governor Weight
3	185-6876	1	Cam, Fuel	18	185-6570	1	*Sleeve, Governor
4	185-6879	1	Washer	19	185-6567	2	*Weight, Governor (Includes
5	185-6558	1	Gear, Injection Pump				Bearing and Washer)
6	185-2386	2	Bolt	20	185-5959	2	Bearing
7	185-6562	1	Stopper, Fuel Camshaft	21	185-5960	2	Washer
8	185-3093	1	Bearing, Ball	22	185-6568	4	*Washer, Governor Weight
9	185-6561	1	Key, Woodruff	23	185-6566	1	*Collar, Governor Shaft
10	185-6741	1	Camshaft, Fuel	24	185-6880	1	*Holder, Governor Gear
11	510-0163	1	Bearing, Ball	25	185-6565	1	*Gear, Governor
12	185-6572	1	Circlip, Governor Shaft				
13	185-6571	1	Bearing, Ball				
14	185-6573	1	Screw, Set	* –	Parts Include	d in Gove	ernor Shaft Assy.
15	185–6563	1	Shaft Assy,Governor (Includes Parts Marked *)				

Speed Control Plate



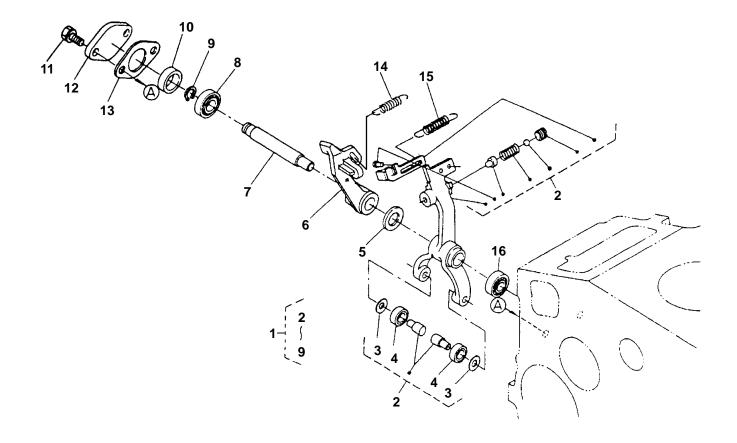
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–7256	1	Plate Assy, Control (Includes	16	185-7261	1	*Shim
			Parts Marked *)	17	185-5691	1	*O'Ring
2	185-6615	1	*Shaft, Stop Lever	18	185-4255	2	*Nut
3	185-6614	1	*Spring, Return	19	185-7258	5	*Bolt, Adjusting
4	185-2461	1	*Seal, Oil	20	185-7260	1	*Shaft, Governor
5	185-6608	1	*Lever, Speed Control	21	185-2347	1	*O'Ring
6	185-2351	1	*Pin, Spring	22	185-7259	1	*Shaft, Governor
7	185-7257	1	*Lever, Engine Stop	23	185-6894	1	Gasket
8	185-6610	1	*Washer, Plain	24	185-2388	1	Bolt
9	185-6611	1	*Nut	25	185-2359	2	Stud
10	185-5696	1	*Pin, Spring	26	185-6759	2	Washer, Spring
11	185-7263	1	*Lever, Change	27	185-4255	2	Nut
12	185-7264	1	*Spring, Return	28	185-2284	1	Gasket
13	185-5693	2	*Nut, Speed Control	29	185-5688	1	Bolt
14	185-7262	1	*Lever, Speed Control				
15	185-5690	1	*Collar				
				* –	Parts Include	d in Conti	rol Plate Assy.

Governor Lever



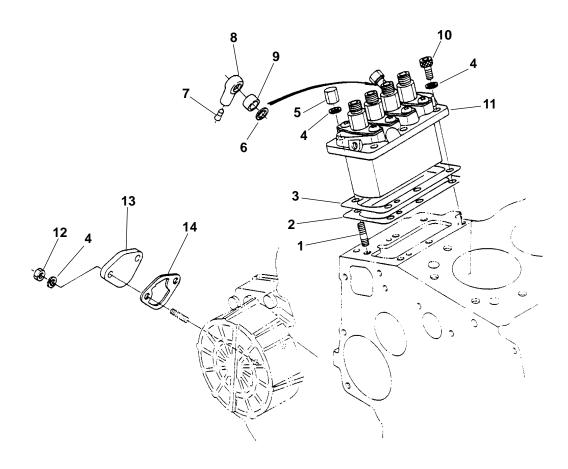
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–6574	1	Lever Assy, Governor (Includes	8	185–6931	1	Nut, Lock
			Parts Marked *)	9	185-6577	1	Bolt, Adjusting
2	185-6575	1	*Bolt Assy, Adjusting	10	185-6881	1	Gasket
3	185-6930	1	*Cap	11	185-5685	1	Nut, Cap
4	185-5685	1	*Nut, Cap	12	185-6932	1	Cap
5	185-2284	2	*Gasket				-
6	185-5684	1	*Nut				
7	185-2284	1	Gasket	* –	Parts Include	d in Gove	rnor Lever Assy.

Governor



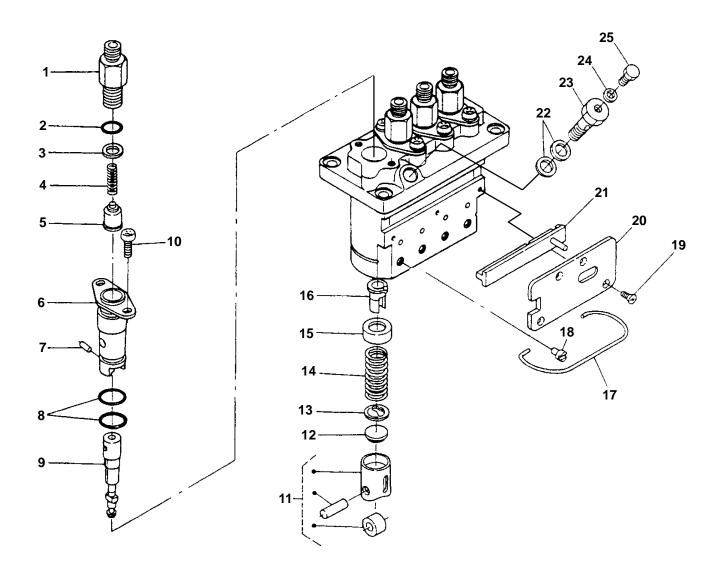
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-7254	1	Lever Assy, Fork (Includes Parts	10	185-6604	1	Collar
			Marked *)	11	185-2387	2	Bolt
2	185-7255	1	*Lever, Fork (Includes Washer	12	185-6602	1	Cover, Fork Lever Shaft
			and Bearing)	13	185-6603	1	Gasket
3	185-5960	2	Washer	14	185-7253	1	Spring, Governor
4	185-5959	2	Bearing	15	185-7252	1	Spring, Start
5	185-6163	1	*Washer, Plain	16	185-6605	1	Bearing, Miniature
6	185-6598	1	*Lever, Fork				-
7	185-6599	1	*Shaft, Fork Lever				
8	185-6600	1	*Bearing, Miniature	* –	Parts Include	d in Fork l	_ever Assy.
9	185–6601	1	*Circlip, External				

Injection Pump



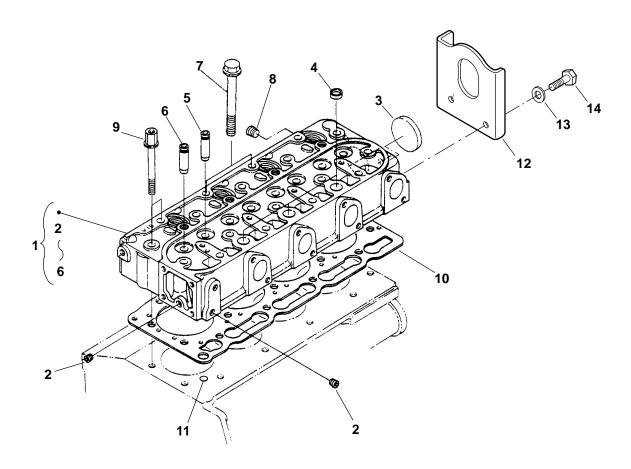
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	185-5624	3	Stud	8	185-6584	1	Joint, Eye
2	185–6744	1	Shim, Injection Pump (.30mm)	9	185–6585	1	Collar, Eye Joint
3			Shim, Injection Pump	10	185-5623	3	Bolt, Hex Socket Head
	185–6742	AR	.20mm	11	185–6748	1	Pump Assy, Injection (See
	185-6743	AR	.25mm				Separate Page for
4	185–6759	8	Washer, Spring				Components)
5	185-5625	3	Nut, Cap	12	185-4255	2	Nut
6	185-2578	1	Gasket	13	185–5798	1	Cover
7	185–6586	1	Cap	14	185–6580	1	Gasket

Injection Pump Components



REF		QTY	PART	REF		QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
	185–6748	1	Pump Assy, Injection	13	185–5654	4	Seat, Spring Lower
1	185-6588	4	Holder, Delivery Valve	14	185-5652	4	Spring, Plunger
2	185-5643	4	O'Ring	15	185-5653	4	Seat, Spring Upper
3	185-5641	4	Gasket, Delivery Valve	16	185-5659	4	Sleeve, Control
4	185-5640	4	Spring, Delivery Valve	17	185-6589	1	Pin, Clamp
5	185-5639	4	Valve, Delivery	18	185-5650	4	Pin, Tappet Guide
6	185-5644	4	Flange, Sleeve	19	185-5658	5	Screw, Countersunk Head
7	185-5645	4	Pin, Joint	20	185-7251	1	Plate
8	185–5646	8	O'Ring	21	185–6885	1	Rack, Control
9	185–6884	4	Plunger, Pump	22	185-5661	2	Gasket
10	185-5647	8	Screw	23	185-6887	1	Bolt, Joint
11	185-5649	4	Tappet	24	185-5663	1	Gasket
12	185–5655	4	Shim	25	185–5662	1	Screw, Air Bleed

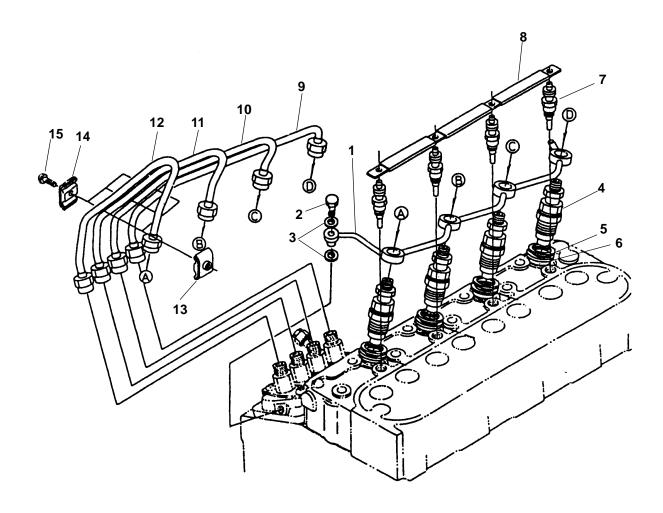
Cylinder Head



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			2_00			00_2	2201 11011
1			Head Assy, Cylinder (Includes	9	185-6479	2	Bolt, Cylinder Head
			Parts Marked *)	10			Gasket, Cylinder Head
	185-6747	1	MDKAA		185-6478	1	MDKAA
	185-7303	1	MDKAB		185-7304	1	MDKAB
2	185-2188	2	*Plug	11	185-2095	1	O'Ring
3	185-2411	1	*Cap, Sealing	12	403-4284-04	1	Bracket, Lifting
4	185-2413	3	*Cap, Sealing	13	526-0399-60	2	Washer, Flat (M8)
5	185-6476	4	*Guide, Exhaust Valve	14	800-3017-18	2	Screw, Hex Head Cap
6	185–6475	4	*Guide, Inlet Valve				(M8 x 1.25 x 16mm)
7	185–6477	16	Bolt, Cylinder Head				
8	185-5502	1	Plug				

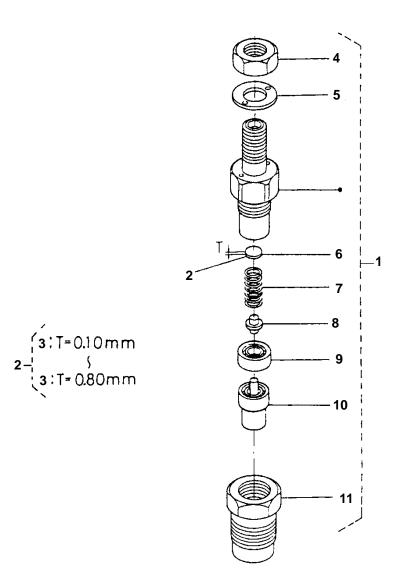
^{* -} Parts Included in Cylinder Head Assy.

Nozzle Holder and Glow Plug



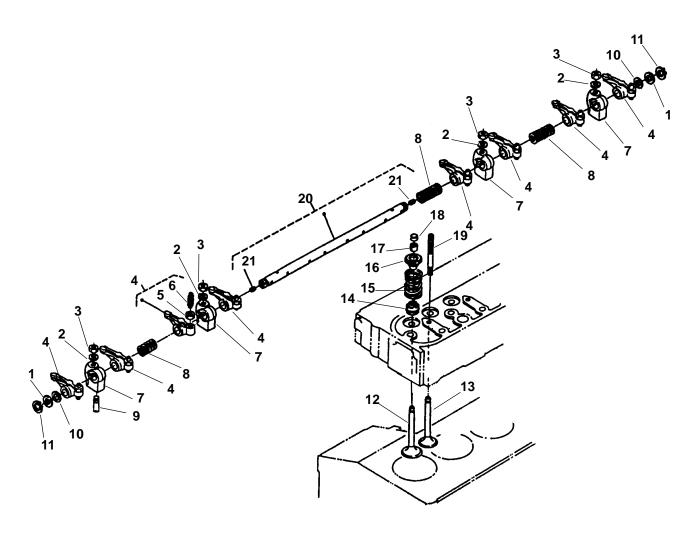
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-7265	1	Pipe, Overflow	8	185-6624	1	Cord, Glow Plug
2	185-7082	1	Screw, Air Bleeder	9	185-7266	1	Pipe, Injecteion
3	185-2284	2	Gasket	10	185-6621	1	Pipe, Injecteion
4	185-6740	4	Holder Assy, Nozzle (See	11	185–6751	1	Pipe, Injection
			Separate Page for	12	185-6750	1	Pipe, Injection
			Components)	13	185-5612	3	Clamp, Pipe
5	185-5337	4	Gasket	14	185-2345	3	Clamp, Pipe
6	185-5985	4	Seal, Heat	15	185-2385	3	Screw, Washer Head
7			Plug, Glow				·
	185-5421	4	12V				
	185-7268	4	24V				

Nozzle Holder Components



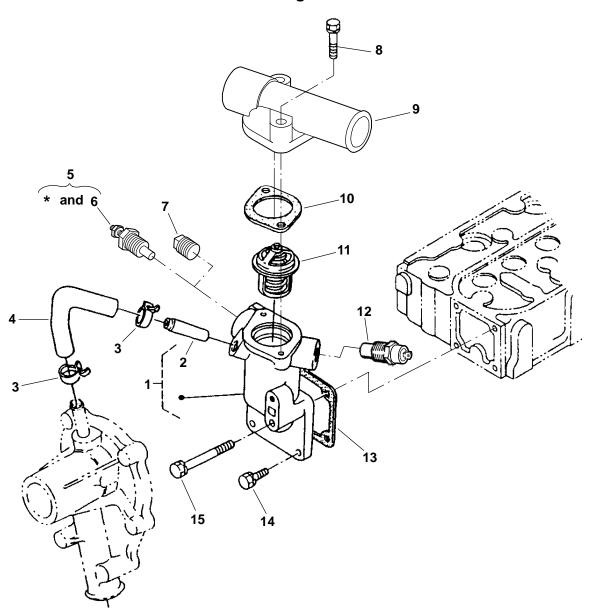
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–6740	4	Holder Assy, Nozzle (Includes	4	185–6900	4	*Nut
			Parts Marked *	5	185-6906	4	*Washer, Plain
2	185-6908	4	*Washer Assy, Adjust (Includes	6	185-6901	4	*Washer, Adjusting
			Adjusting Washers)	7	185-6902	4	*Spring, Nozzle
3			Washer, Adjusting	8	185-6904	4	*Rod, Push
	185-6909	4	.10mm	9	185-6903	4	*Piece, Distance
	185-6910	4	.20mm	10	185-6907	4	*Piece, Nozzle
	185-6911	4	.30mm	11	185-6905	4	*Nut, Nozzle
	185-6912	4	.40mm				
	185-6913	4	.50mm				
	185-6914	4	.52mm	* -	Parts Include	d in Nozz	le Holder Assy.
	185-6915	4	.54mm				
	185-6916	4	.56mm				
	185-6917	4	.58mm				
	185-6918	4	.80mm				

Valve and Rocker Arm



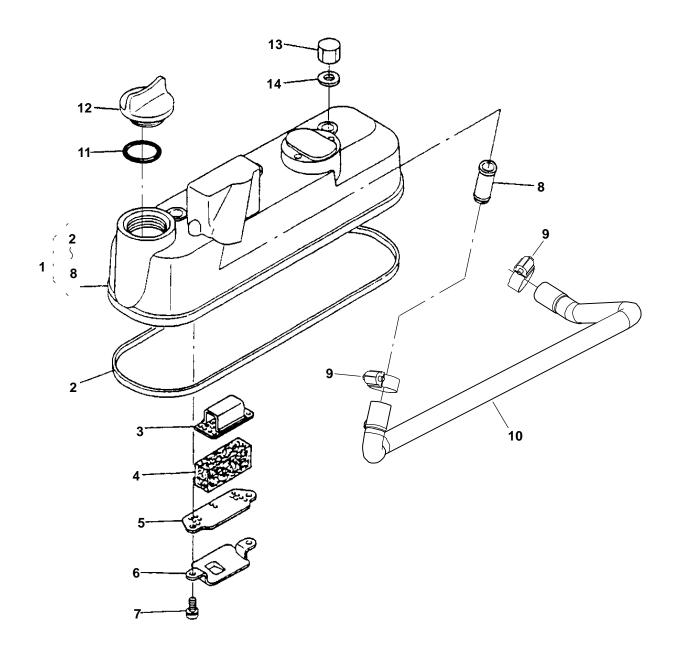
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-6690	2	Washer, Rocker Arm Shaft	12	185-6681	4	Valve, Inlet
2	185-2184	4	Washer, Plain	13	185-6682	4	Valve, Exhaust
3	185-2179	4	Nut	14	185-7300	8	Seal, Valve Stem
4	185-6693	8	Arm Assy, Rocker (Includes	15	185-6683	8	Spring, Valve
			Screw and Nut)	16	185-2076	8	Retainer, Valve Spring
5	185-6695	8	Nut	17	110-3827	8	Collet, Valve Spring
6	185-6694	8	Screw, Adjusting	18	185-2080	8	Cap, Valve
7	185-6687	4	Bracket, Rocker Arm	19	185-6688	4	Stud
8	185-6691	3	Spring, Rocker Arm	20	185-6685	1	Shaft Assy, Rocker Arm
9	185-2072	1	Screw, Rocker Arm Set				(Includes Screws)
10	185-6689	2	Washer, Rocker Arm Shaft	21	185-6686	2	Screw, Set
11	185-6692	2	Circlip, External				

Water Flange



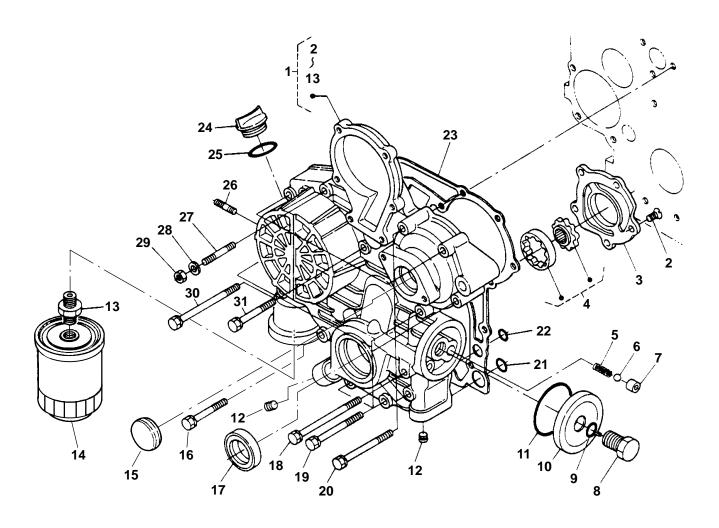
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION			
1	185–7297	1	Flange, Water (Includes Water Return Pipe)	10 11	185–6004 185–6005	1 1	Gasket, Thermostat Thermostat			
2	185–6445 185–6667	1 2	Pipe, Water Return Band, Pipe	12			Switch, Water Temperature Shutoff (S2)			
4 5	185–6666	1	Pipe, Water Return *Kit, Sender (Includes Water		309–0601	1	Negative Ground (B200, B201)			
	300–5040	1	Temperature Sender) Negative Ground	13	309–0576 185–6922	1	+ Isolated Ground (B380) Gasket, Water Flange			
0	300–5041	1	Isolated Ground	14	185-2388	3	Bolt			
6	193–0318	1	Sender, Water Temperature(E2) Negative Ground (B200, B201)	15	185–6665	1	Bolt			
7 8 9	193–0457–01 185–5826 185–6781 185–7298	1 1 2 1	Isolated Ground (B380) Plug Bolt Cover, Thermostat	 Kit Also Includes Oil Pressure Sender Listed on Oil System Page. Switch Included in Isolated Ground Kit Listed on Isola Ground Page. 						

Cylinder Head Cover



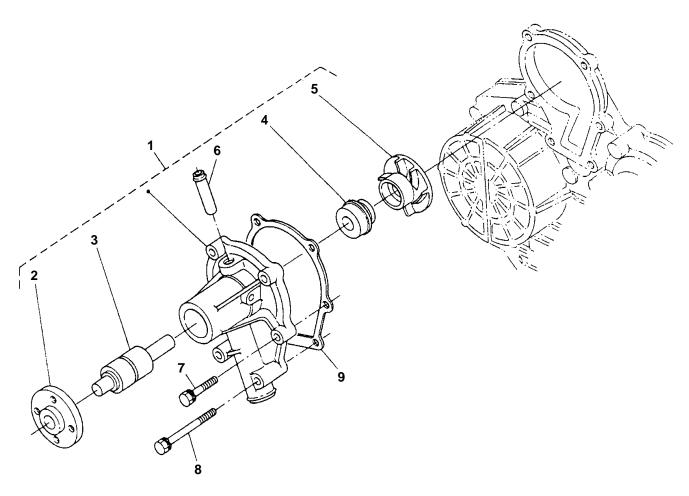
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–6497	1	Cover Assy, Cylinder Head	9	503-0976	2	Clamp, Hose
			(Includes Parts Marked *)	10	503-2087	1	Hose, Breather
2	185-6498	1	*Gasket, Cylinder Head Cover	11	185-2349	2	O'Ring
3	185-6501	1	*Plate, Upper Breather Element	12	185-5407	2	Cover, Oil Fill
4	185-6721	1	*Element, Breather	13	185-6394	4	Nut, Cap
5	185-6500	1	*Plate, Lower Breather Element	14	185-2291	4	Gasket
6	185-6503	1	*Shield, Breather Oil				
7	185-2384	2	*Screw, Washer Head				
8	185-6499	1	*Joint, Breather Pipe	* –	Parts Include	d in Cylind	der Head Cover Assy.

Gearcase



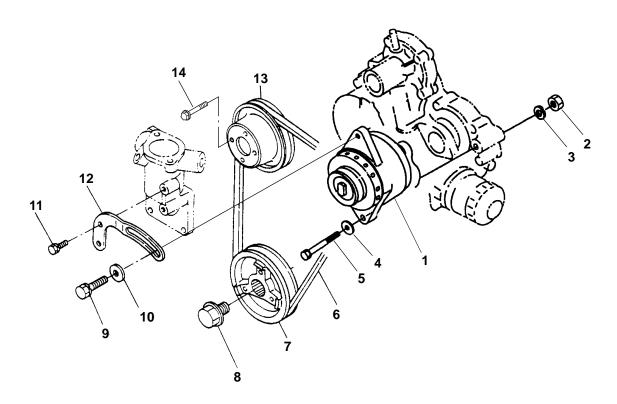
REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	185–6480	1	Gearcase Assy (Includes Parts	18	185–6491	2	Bolt
			Marked *)	19	185-7069	4	Bolt
2	185-6487	5	*Screw, Countersunk Head	20	185-6665	2	Bolt
3	185-6486	1	*Cover, Oil Pump	21	185-5869	2	O'Ring
4	185-6485	1	*Rotor, Oil Pump	22	185-3080	2	O'Ring
5	185-6482	1	*Spring	23	185-6863	1	Gasket, Gearcase
6	185–6484	1	*Ball	24	185–5407	1	Cover, Oil Fill
7	185-6483	1	*Seat, Valve	25	185-2349	1	O'Ring
8	185-5742	1	*Bolt	26	185-2359	2	Stud
9	185–5869	1	*O'Ring	27	185–6493	1	Stud
10	185-5741	1	*Cover	28	185–6759	1	Washer, Spring
11	185–5743	1	*O'Ring	29	185-4255	1	Nut
12	185–6481	5	*Plug	30	185–6492	1	Bolt
13	185–2124	1	*Fitting, Connector	31	185–5833	3	Bolt
14	185–5835	1	Filter, Oil				
15	185–7216	1	Plug	.11	5	0	•
16	185-6490	1	Bolt	* –	Parts Include	d in Geard	case Assy.
17	185–6494	1	Seal, Oil				

Captive Water Pump Components



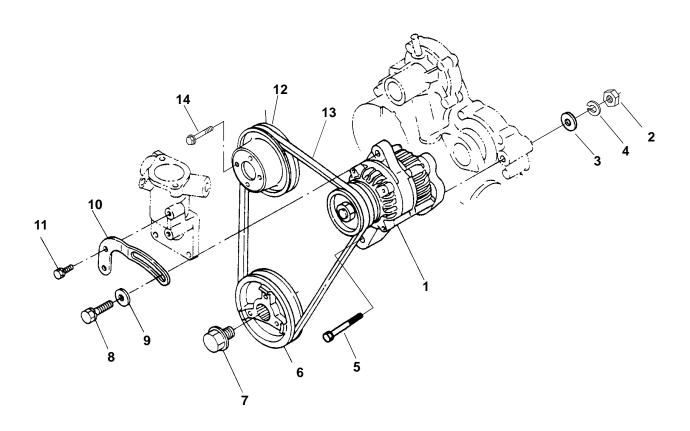
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–6671	1	Pump Assy, Water (Includes	7	185–6677	4	Bolt
			Parts Marked *)	8	185-5745	2	Bolt
2	185-6672	1	*Flange, Pump Water	9	185-6676		Gasket, Water Pump
3	185-6673	1	*Bearing				•
4	185-5714	1	*Seal Assy, Mechanical				_
5	185-6674	1	*Impeller, Water Pump	* –	Parts Include	d in Water	r Pump Assy.
6	185-5719	1	*Pine Water Return				

Alternator (12V)



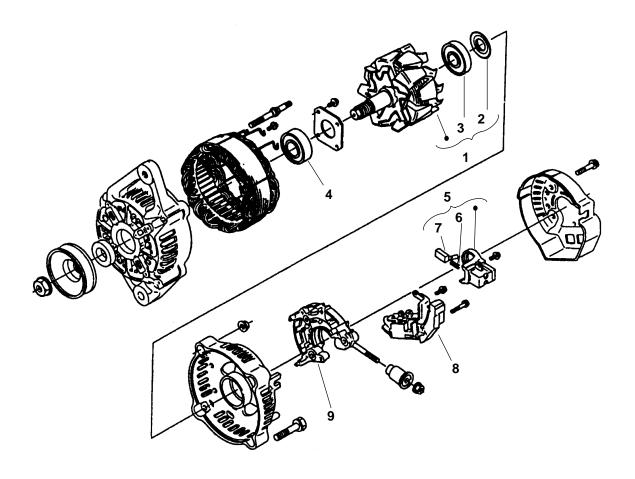
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-7269	1	Dynamo (No Components	8	185-6633	1	Bolt
			Available)	9	185-2564	1	Bolt
2	185-5445	1	Nut	10	185-6786	2	Washer, Plain
3	185-6785	1	Washer, Spring	11	185-2388	1	Bolt
4	185-7272	1	Washer, Plain	12	185-7270	1	Stay, Alternator
5	185-7271	1	Bolt	13	185-6631	1	Pulley, Fan
6	185-6934	1	Belt, Fan (37.5")	14	185-2572	4	Bolt
7	185–7273	1	Pulley, Fan Drive				

Alternator (24V)

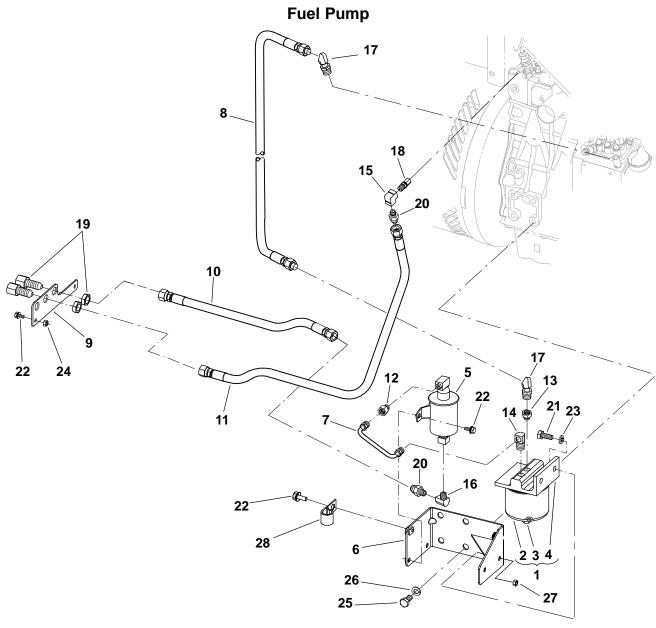


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–7225	1	Alternator (See Separate Page	8	185–2564	1	Bolt
			for Components)	9	185-6786	1	Washer, Plain
2	185-5445	1	Nut	10	185-7226	1	Stay, Alternator
3	185-6630	1	Washer, Plain	11	185-2388	1	Bolt
4	185-6785	1	Washer, Spring	12	185-6631	1	Pulley, Fan
5	185-7227	1	Bolt	13	185-6934	1	Belt, Fan (37.5")
6	185-7273	1	Pulley, Fan Drive	14	185-2572	4	Bolt
7	185-6633	1	Bolt				

Alternator Components (24V)

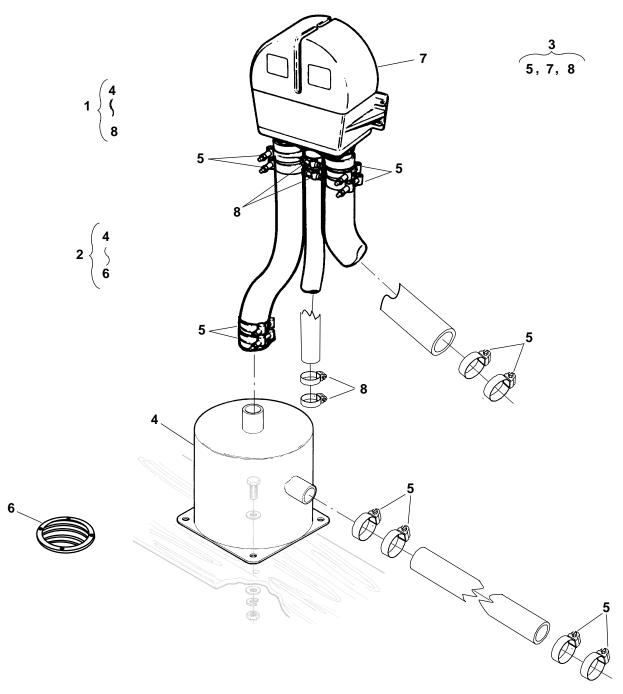


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	185-7225	1	Alternator	6	185–5784	2	Spring, Brush
1	185-7228	1	Rotor (Includes Cover and	7	185-5783	2	Brush
			Bearing)	8	185-6820	1	Regulator
2	185–5771	1	Cover, Bearing	9	185-6816	1	Rectifier Assy
3	185-7229	1	Bearing, Ball				
4	185–5777	1	Bearing, Ball		_		
5	185–5782	1	Holder, Brush (Includes Brush and Spring)	Note	: Parts not lo	lentified ai	re Not For Sale.



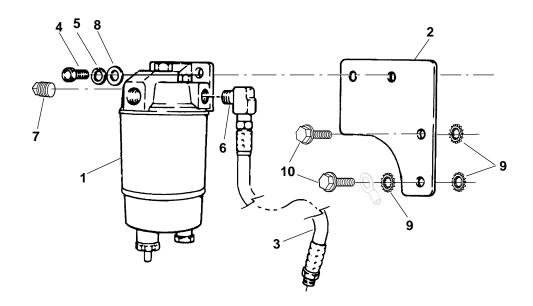
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149–2100	1	Filter Assy, Fuel (E5) (Includes	16	502-0020	1	Elbow, Pipe
			Element, Plug, and Base)	17	502-0065	2	Elbow, Inverted Male
2	149–2106	1	Element	18	502-1245	1	Adapter, Pipe
3	502-0028	1	Plug, Drain	19	505-1489	2	Connector, Female Bulkhead
4	149-2235	1	Base, Aluminum	20	505-1490	2	Connector, Male
5	149-2331-01	1	Pump, Fuel (E5)	21	800-3017-19	2	Screw, Hex Head Cap
6	149-2618-04	1	Bracket, Mounting				(M8 x 1.25 x 20mm)
7	149-2601	1	Line, Fuel	22	821-6002-02	5	Screw, Hex Head Sems
8	149-2616	1	Line, Fuel				(M6 x 1 x 12mm)
9	149-2609-02	1	Bulkhead	23	850-0114-54	2	Washer, Lock (M8)
10	501-0672-01	1	Line, Fuel (28.5")	24	862-0026-54	2	Nut, Hex (M6 x 1mm)
11	501-0672-02	1	Line, Fuel (38.5")	25	800-3030	3	Screw, Hex Head Cap
12	502-0003	1	Connector, Inverted Male				(M10 x 1.25 x 20mm)
13	502-0029	1	Bushing, Pipe	26	850-0114-55	3	Washer (M10)
14	502-0041	1	Elbow, Male	27	862-0026-55	2	Nut, Hex (M8)
15	502-0055	1	Elbow, Pipe	28	518-0515	1	Clip, Hose

Water Separator/Muffler



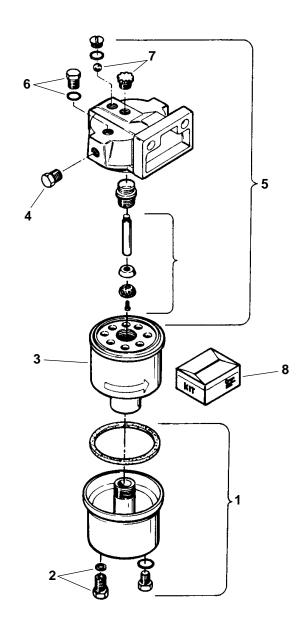
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION		
1	155–3217	1	Kit, Muffler/Separator (Includes	6	155–1002	1 *	+Strainer, Water Pickup		
			Parts Marked *)	7	155–3218	1 '	*•Separator, Water (2")		
2	155–2030	1	Kit, Muffler (Includes Parts Marked +)	8	503–1139	4 '	*•Clamp, Hose (1–1/2")		
3	155–3216	1	Kit, Water Separator (Includes Parts Marked •)	* - Parts Included in Muffler/Separator Kit.					
4	155-2029	1 '	*+Muffler, Marine	+ - Parts Included in Muffler Kit.					
5			Clamp, Hose (2")	• –	Parts Include	ed in Watei	r Separator Kit.		
	503-1142	8	+ Muffler Kit						
	503-1142	4	 Separator Kit 						
	503-1142	10	* Muffler/Separator Kit						

Remote Water Separator



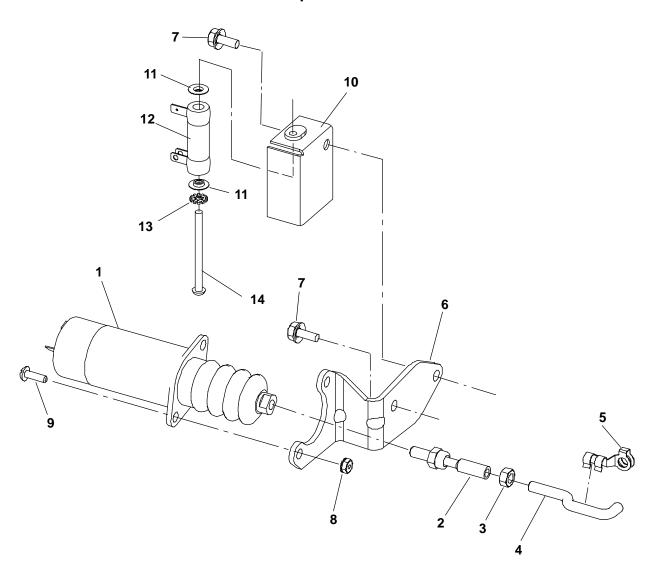
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149–2313	1	Kit, Remote Fuel/Water	5	850-2008	2	Washer, Lock (M8)
			Separator	6	502-0054	1	Elbow, Street 90° (1/4 NPT)
1	149-1908-05	1	Separator, Fuel/Water (See	7	502-0153	1	Plug, Hex Pipe (1/4 NPT)
			Separate Page for	8	526-2100	2	Washer, Flat (M8)
			Components)	9	856-0012	3	Washer, EIT (7/16")
2	149-2312	1	Bracket, Separator Mounting	10	718-1055	2	Screw, Hex Head Cap
3	501-0578	1	Line, Flex Fuel				(M10 x 1.5 x 30mm)
4	718–1038	2	Screw, Hex Head Cap (M8 x 1.25 x 30mm)				,

Remote Water Separator Components



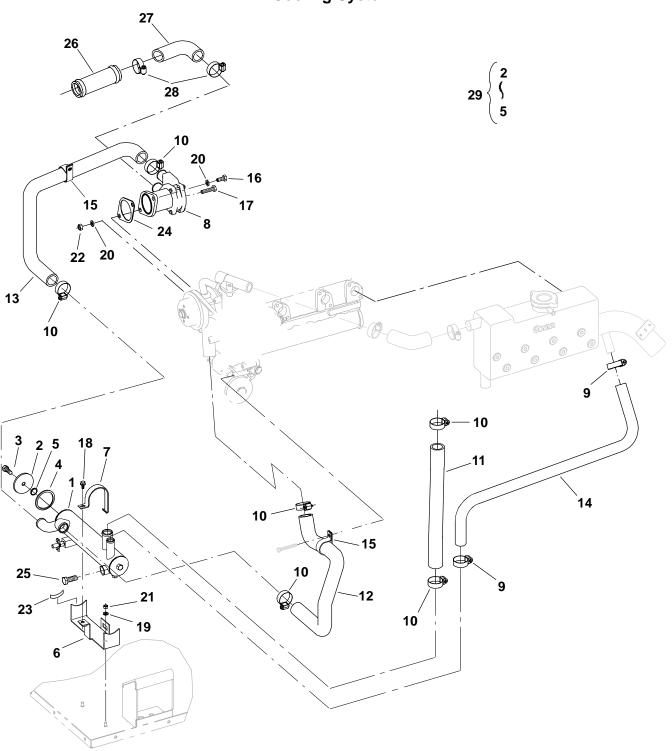
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149-1908-05	1	Separator, Water	6	149–1952	1	Plug, Vent (Includes O-Ring)
1	149–2046	1	Kit, Metal Bowl Replacement (Includes Plug, O-Rings and Drain Assy)	7	149–2047	1	Pump Assy (Includes Plunger, Retainer, Shaft, Check Ball, Knob and Screw)
2	149–1953	1	Drain Assy (Includes Knob and Seal)	8	149–2045	1	O–Ring Kit (Includes Seal and Plunger)
3	149-1914-01	1	Element (Íncludes Seals)				3 ,
4	502-0153	1	Plug, Hex (1/4")				
5	149–1949	1	Head Assy, Replacement (Includes Vent Plug, O-Rings, Seal, Cap, Tube and Pump Assy)				

Stop Solenoid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Solenoid, Stop (K7)	8	870-0131	2	Nut, ET Hex (#10-32)
	307-2546	1	12V	9	813-0100	2	Screw, Round Head Machine
	307-2546-01	1	24V				(#10-32 x 1/2")
2	150-1733	1	Joint, Ball	10	304-0831-03	1	Bracket (24V)
3	115-0025	1	Nut, Hex (1/4-28UNF)	11	304-0796	2	Washer, Centering (24V)
4	150-2706	1	Link, Solenoid	12	304-0797	1	Resistor (24V)
5	306-4081	1	Clip, Linkage	13	856-0003	1	Washer, EIT (#10) (24V)
6	150-2698-02	1	Bracket, Solenoid	14	813-0112	1	Screw, Round Head Machine
7	821–6002–02	2	Screw, Hex Head Sems (M6 x 1 x 12mm)				(#10–32 x 2.5") (24V)

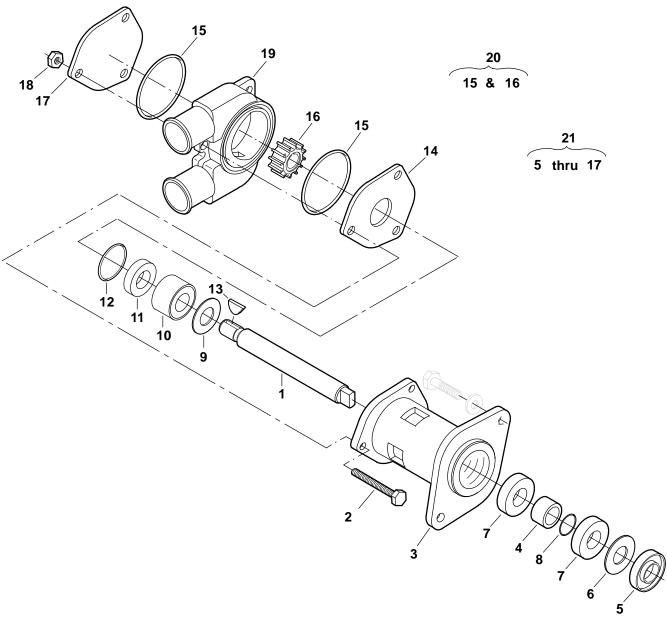
Cooling System



Cooling System

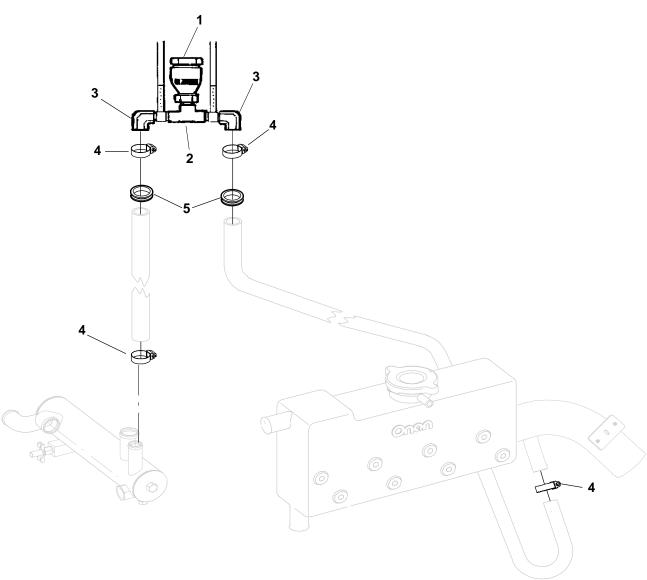
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4702-03	1	Exchanger, Heat	17	800-3017-22	1	Screw, Hex Head Cap
2	130–5169	1	*Cover, End				(M8 x 1.25 x 35mm)
3	800–0317	1	*Screw, Hex Head (5/16–18)	18	821–6002–02	1	Screw, Hex Head Sems
4	130–5170	1	*Gasket, End Cover				(M6 x 1 x 12mm)
5	509-0351	1	*O'Ring	19	850-0114-53	2	Washer, Lock (M6)
6	130-4739-04	1	Bracket, Heat Exchanger	20	850-0114-54	2	Washer, Lock (M8)
7	130-4740-02	1	Strap, Mounting	21	862-0026-54	2	Nut, Hex (M6 x 1mm)
8	132-0358	1	Pump, Water (See Separate	22	862-0026-55	1	Nut, Hex (M8 x 1.25)
			Page for Components)	23	508-0210	2	Edging, Heat Exchanger
9	503-1136	2	Clamp, Hose				Bracket (2" x 45mm)
10			Clamp, Hose	24	185–6579	1	Gasket, Water Pump
	503-1137	2	Code E092	25	130-4434	1	Pencil, Zinc
	503-1137	4	Code E079	26	130-4803-02	1	+Tube, Water
11	503-2047	1	Hose, Coolant	27	503-2086	1	+Hose, Coolant
12	503-2096	1	Hose, Coolant	28	503-1137	2	+Clamp, Hose
13	503-2088	1	Hose, Coolant	29	130-5176	1	Kit, Cap (Includes Parts
14	503-2089-02	1	Hose,Coolant				Marked*)
15			Clamp, Hose				·
	518-0548-05	2	Code E079				
	518-0548-05	1	Code E092				Exchanger Cap Kit.
16	800–3017–19	1	Screw, Hex Head Cap (M8 x 1.25 x 20mm)	+ -	Parts Included Shield Page.	in Sour	nd Shield Kit Listed on Sound

Raw Water Pump Components



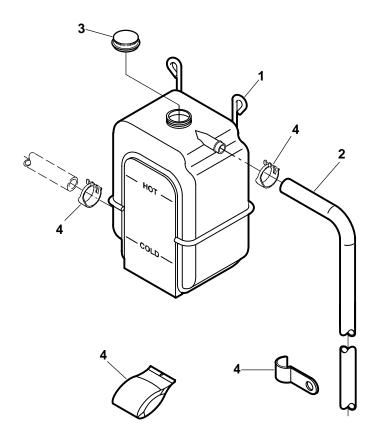
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2 3 4 5 6 7 8 9	132-0358 132-0360 132-0376 132-0362 132-0367 132-0361 132-0363 132-0364 132-0365 132-0368	1 1 3 1 1 1 1 2 1	Pump, Water Shaft Bolt Body Spacer +Seal, Lip +Ring, Internal Retaining +Bearing, Ball +Ring, External Retaining +Washer,	14 15 16 17 18 19 20	132–0371 132–0372 132–0375 132–0373 132–0377 132–0378 132–0379	1 2 1 1 3 1 1	+Plate, Wear *+O'Ring *+Impeller +Plate, Cover Nut Housing Kit, Minor Service (Includes Parts Marked *) Kit, Major Service (Includes Parts Marked +)
10 11 12 13	132–0366 132–0369 132–0370 132–0374	1 1 1	+Seal, Mechanical +Seat, Seal +O'Ring +Key		Parts Included		

Vacuum Relief Valve



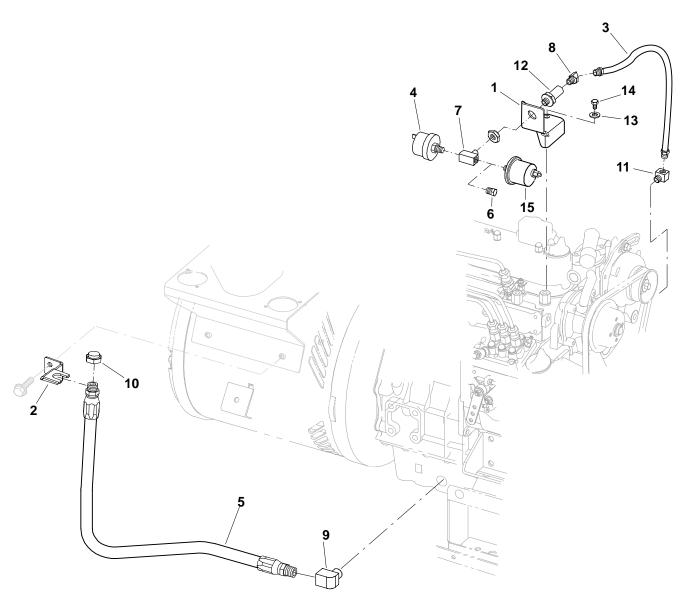
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	155–3179	1	Kit, Siphon Break	3	502-0915	2	Elbow, 90 Hose (1/2 Npt X 3/4")
1	504-0062	1	Valve, Vacuum Relief	4	503-0977	4	Clamp, Hose (#10)
2	502-0161	1	Tee (1/2")	5	508-1102	2	Grommet (Housed Units)

Coolant Recovery Tank



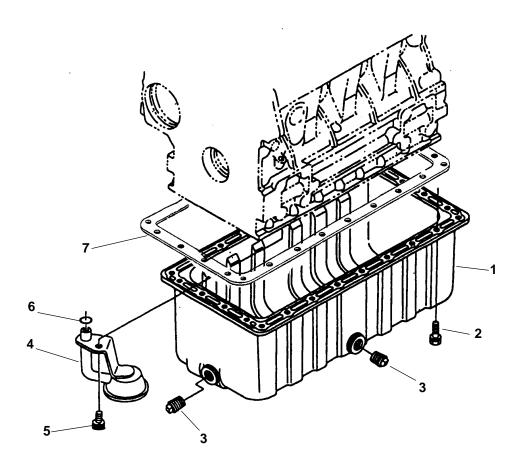
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	130-3574	1	Kit, Coolant Recovery	3	130-3572	1	Cap, Tank
1	130-3571	1	Hanger, Tank	4	130-3573	1	Hardware Package (Includes
2	503-1692	1	Hose (5/16 I.D. x 120" Lg.)				Mounting Hardware)

Oil System



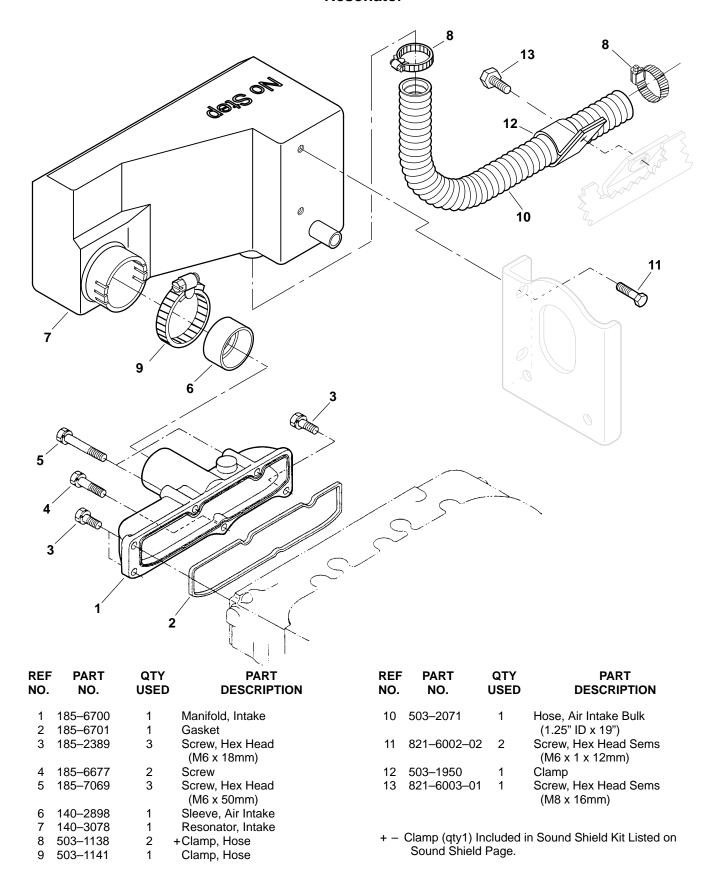
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Bracket, Oil Pressure Switch	11	502-1309	1	Elbow, 90° Male
	120-1330-03	1	Black	12	502-1244	1	Coupling, Anchor
	120-1330-04	1	White	13	526-0399-60	2	Washer, Flat (M8)
2	120-1331-03	1	Bracket, Oil Drain	14	800-3017-17	2	Screw, Hex Head Cap
3	122-0832	1	Line, Oil				(M8 x 1.25 x 12mm)
4			Switch, Pressure (S4)	15			*Sender, Oil Pressure (E1)
	309-0561-05	1	Negative Ground (B200, B201)		193–0244	1	Negative Ground (B200, B201)
	309-0578	1	+ Isolated Ground (B380)		193-0430-01	1	Isolated Ground (B380)
5	501-0624	1	Hose, Oil Drain				,
6	502-0028	1	Plug, Hex Head Pipe				
7	502-0057	1	Tee, Special Pipe	* –		d in Ser	nder Kit Listed on Water Flange
8	502-0065	1	Elbow, Inverted Male		Page.		
9	502-1180	1	Elbow, Pipe	+ -			ated Ground Kit Listed on Isolated
10	502-1123	1	Cap. Pipe		Ground Page.		

Oil Pan

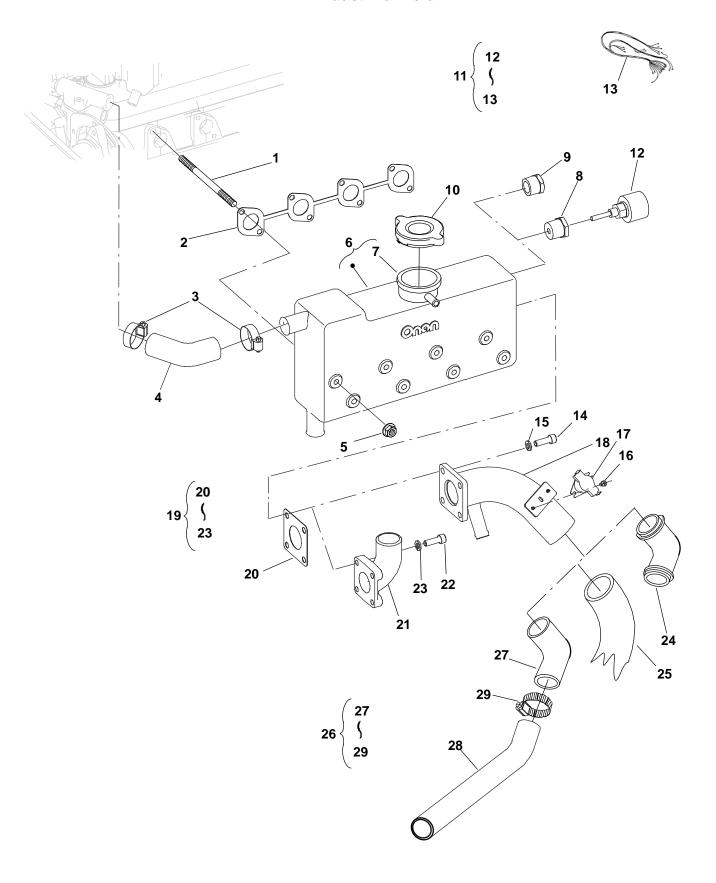


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–7246	1	Pan, Oil	5	185–6762	1	Bolt
2	185-2386	26	Bolt	6	185-3078	1	O'Ring
3	185-5826	2	Plug	7	185-5478	1	*Gasket, Oil Pan
4			Tube, Oil Pickup				
	185-7247	1	12V		a		
	185-7248	1	24\/	* -	Or Use Three	e Bond #1	207D or #TB1216.

Resonator



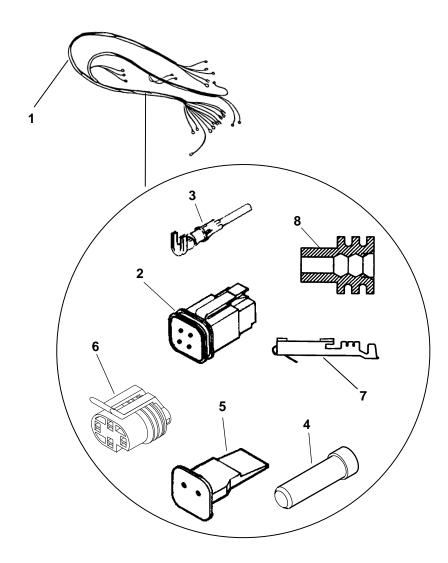
Exhaust Manifold



Exhaust Manifold

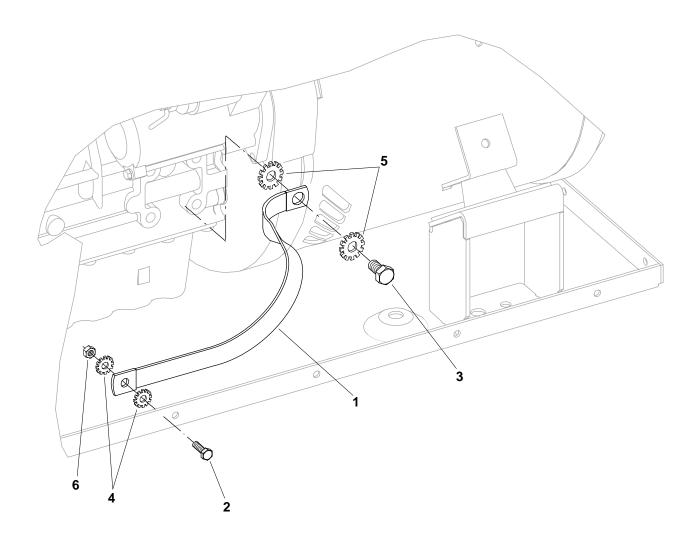
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	185–7110	8	Stud, Exhaust Manifold	16	815-0862	2	Screw, Pan Head Cross (E086)
2	185-6854	1	Gasket				Recessed (M4 x 0.7 x 10mm)
3	503-1137	2	Clamp, Hose	17	309-0295	1	Switch, Temperature (E086)
4	503-2046	1	Hose, Coolant				(S5)
5	185-6699	8	Nut (M7 x 1mm)	18	155-3261-02	1	Mixer (E086)
6	154-3060	1	Manifold Assy (Includes	19	155–3146	1	Kit, Dry Exhaust (Includes
			Filler Neck)				Elbow, Gasket, Screws and
7	130-2333	1	Neck, Filler				Washers)
8	502-0029-06	1	Bushing, Reducer (3/4–1/4")	20	185–6853	1	Gasket
			(H549)	21	155-2666-01	1	Elbow, Exhaust (A148)
9	502-0317	1	Plug, Pipe (3/4 NPT)	22	800-3017-21	4	Screw, Hex Head Cap
			(W/O H549)				(M8 x 1.25 x 30) (A148)
10	130–3721	1	Cap, Manifold	23	850-0114-54	4	Washer, Lock (M8)
11	300–5197	1	Kit, Low Coolant Sender	24	155–2033	1	Elbow, 90° Exhaust Elbow (2")
			(Includes Sender and	25			Hose, Exhaust
			Harness)		503-1963-04	1	2" x 3'
12	193–0468	1	Sender, Low Coolant (S3)		503-1963-05	1	2" x 5'
			(H549)		503-1353	1	2" x 10'
13	338–3711	1	Harness, Low Coolant (H549)		503-1320	1	2" (Bulk Hose)
			(See Separate Page for	26	155–3257	1	Kit, Exhaust (Includes Elbow,
			Components)				Tube and Clamps)
14	815–0916	4	Screw, Socket Head Cap	27	503-1527	1	Elbow, Molded Exhaust
			(E086) (M8 x 1.25 x 25mm)	28	155–3256	1	Tube, Exhaust
15	850-0114-54	4	Washer, Lock (M8)	29	503-1142	4	Clamp, Hose

Low Coolant Harness



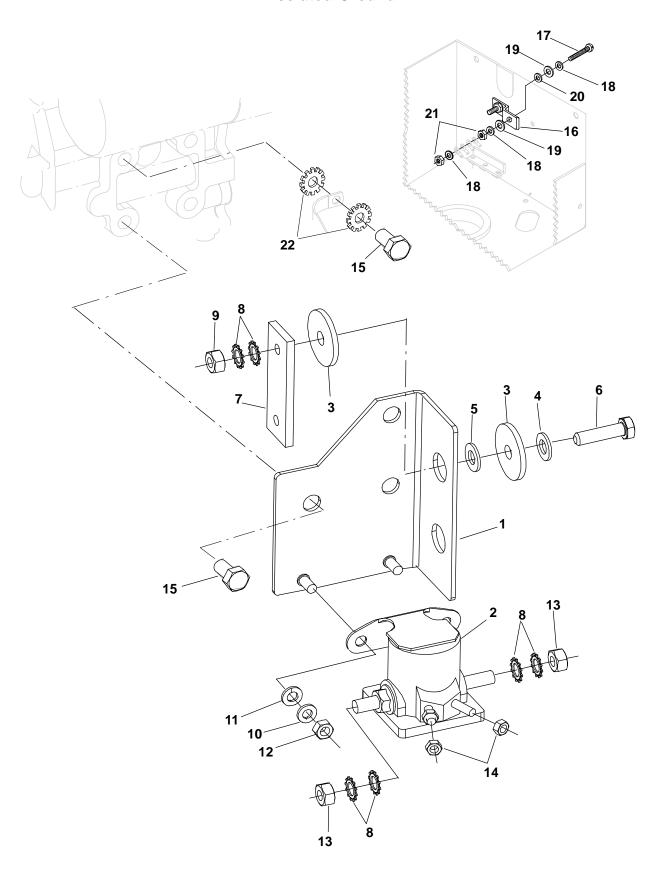
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3711	1	Harness, Low Coolant (H549)	5	323-1548	1	Wedge, Plug (4 Pin)
2	323-1546	1	Plug, Connector (4 Pin)	6	323-1765	1	Housing, Connector (4 Pin)
3	323-1492	AR	Terminal, Socket	7	323-1709	AR	Socket, Terminal
4	323-1591	AR	Plug, Connector	8	323-1708	AR	Seal, Cable

Negative Ground



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337–2785	1	Strap, Bond	4	853-0040-54	2	Washer, ET Lock (M6)
2	800-3017-04	1	Screw, Hex Head Cap	5	853-0040-56	8	Washer, ET Lock (M10)
			(M6 x 1 x 20mm)	6	862-0026-54	1	Nut, Hex (M6 x 1mm)
3	800–3030	4	Screw, Hex Head Cap (M10 x 1.25 x 20mm				

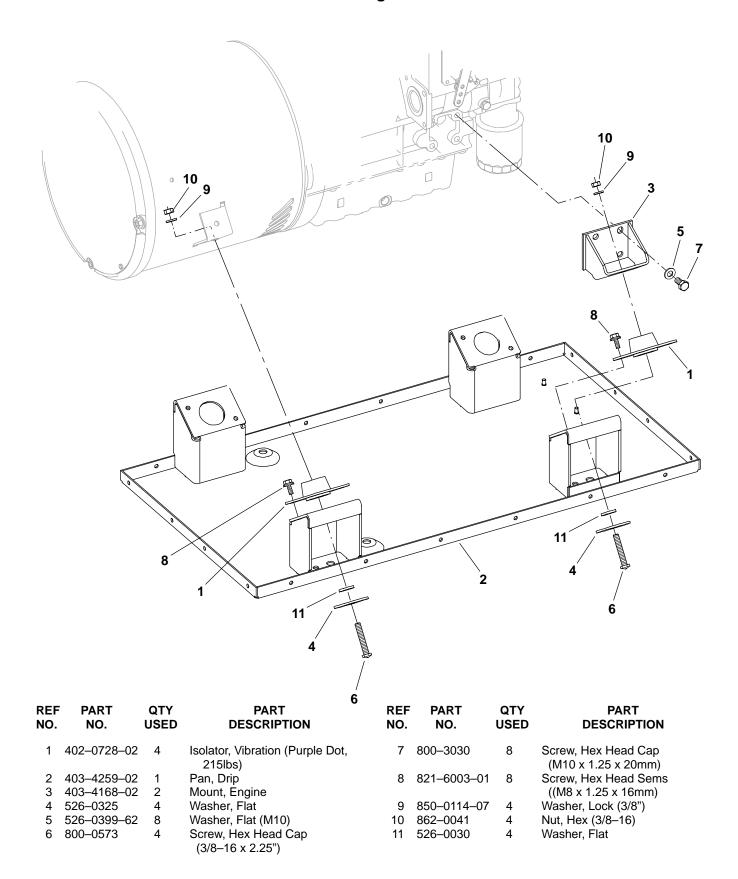
Isolated Ground



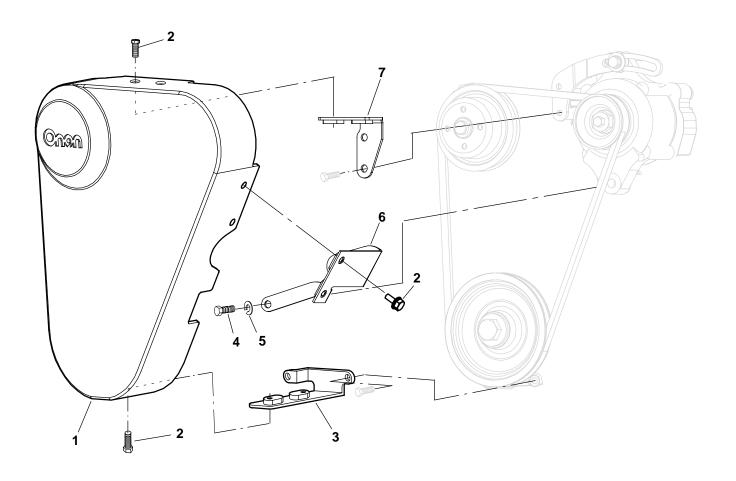
Isolated Ground

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300–5170	1	*Kit, Isolated Ground	15	800–3030	4	Screw, Hex Head Cap
1	191–2273–03	1	Bracket, Solenoid				(M10 x 1.25 x 20mm)
2	307-1617	1	Relay, Solenoid	16	337-3034-02	1	Strip, Isolated Ground
3	508-0328	4	Washer, Insulation	17	811-0105	1	Screw, Round Head Brass
4	526-0399-60	2	Washer, Flat (M8)				Machine (#10-32 x 1")
5	508-0334	2	Washer, Insulation	18	526-0049	3	Washer, Flat Brass(#10)
6	815-0920	2	Screw, Brass Hex Head Cap	19	508-0017	2	Washer
7	337-3031	1	Strip, Ground	20	508-0016	1	Washer
8	853-0016	8	Washer, ET Lock (5/16")	21	871-0010	2	Nut, Hex Brass Machine
9	871-0025	2	Nut, Hex Brass (5/16-18)				(#10–32)
10	526-0399-58	2	Washer, Flat (M6)	22	853-2010	2	Washer, ÉT Lock (M10)
11	850-0114-53	2	Washer, Lock (M6)				
12	862-0026-54	2	Nut, Hex (M6)				
13	862-0026-30	2	Nut, Hex (5/16-24)	* –			essure and Water Temperature
14	870-0131-01	2	Nut, ET Hex (#10–32)		Switches found	d on Oil	System and Water Flange Pages.

Mounting Base

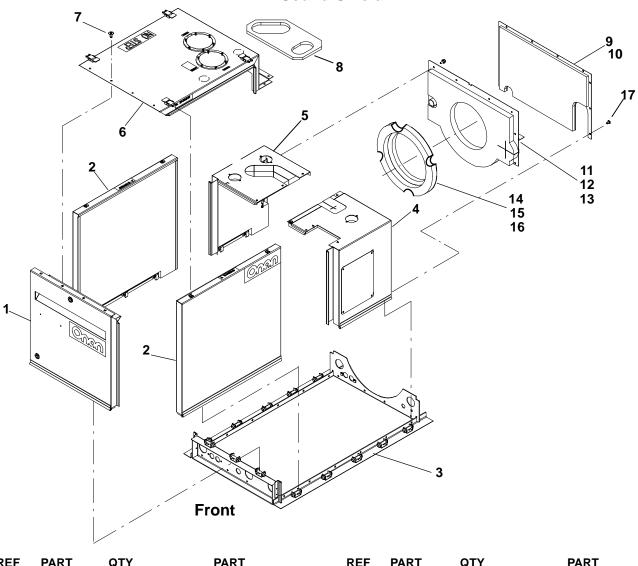


Belt Guard



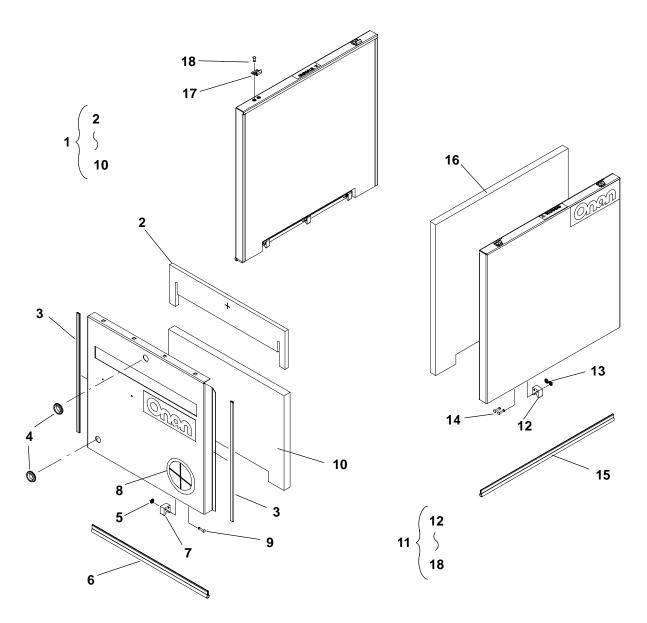
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4870	1	Guard, Belt	5	850-0114-53	1	Washer, Lock (M6)
2	821-6002-02	6	Screw, Hex Head Sems	6	130-4945-03	1	Bracket, Belt Guard
			(M6 x 1 x 12mm)	7	130-4847-03	1	Bracket, Belt Guard
3	130-4869-03	1	Bracket, Belt Guard				
4	800-3017-02	1	Screw, Hex Head Cap (M6 x 12mm)				

Sound Shield



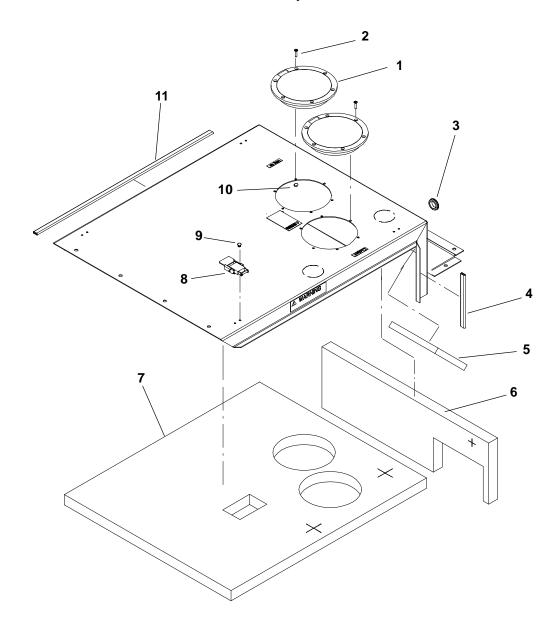
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405–6136	1	+Kit, Sound Shield (Includes all Parts on Following Sound Shield Pages)	12 13 14	405–6085 508–1095 815–0181	1 1 3	@ Insulation, Baffle Grommet, Rubber Screw, ET Hex Head Thread
2	405–5967–02 405–6145–02	1 2	*Panel Assy, Front *Door Assy *Rail Assy	15	405–6102	1	Cutting (#10–32 x 1/2") Inlet Assy, Generator (Includes Insulation)
	405-6142	1	Left	16	405-6100	1	@ Insulation, Inlet Baffle
	405-6096-03	1	Rear	17	821-6002-02	8	Screw, Hex Head Sems
	405–6139	1	Right				(M6 x 1 x 12mm)
	405–6048	1	Front	18	405–6220–01	1	Kit, Insulation (Includes Parts
4	405–6078	1	*Housing Assy, Generator				Marked @)
5	405–5977	1	*Housing Assy, Generator				
6	405–6148–02	1	*Roof Assy		Kit Alaa laaluda	a Moto	or Tube. Coolant Hose and Clampa
7	815–0765	27	Screw, Truss Head (1/4–20 x 1/2")	+ -	listed on Heat	Excha	er Tube, Coolant Hose and Clamps Inger Page and Hose Clamp on
8	405-6297	1	@ Insulation, Control Box		Resonator Pa	0	
9	405–5980–02	1	Cover Assy, Generator (Includes Insulation)		Parts Included	in İnsu	or Components. Iation Kit (Also Includes Parts
10	405-6086	1	@ Insulation, Cover		Marked on Fo	ollowing	Housing Component Pages).
11	405–6082	1	Baffle Assy, Generator (Includes Insulation and Grommet)				

Sound Shield Front Panel and Door Components



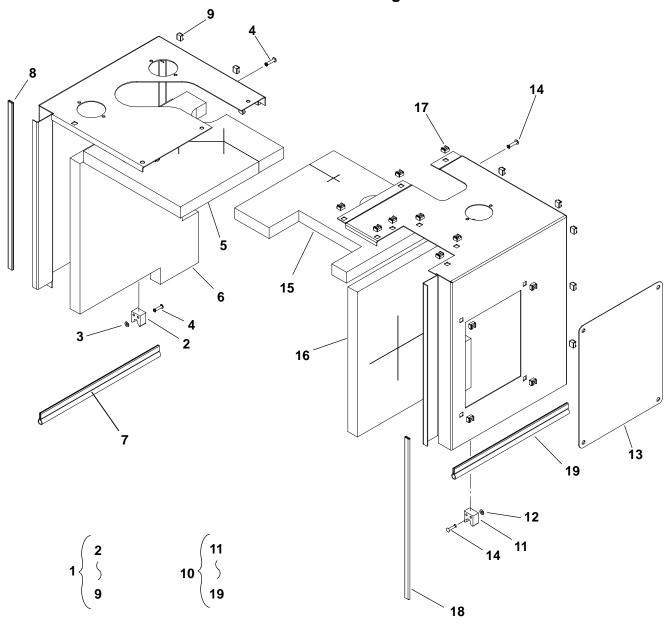
REF		QTY		REF		QTY	
NO.	NO.	USE	D DESCRIPTION	NO.	NO.	USE	D DESCRIPTION
1	405-5967-02	1	Panel Assy, Front (Includes	12	405-1872	3	+Clip, Door
			Parts Marked *)	13	526-0003	6	+Washer, Flat (#8)
2	405-6104	1	@*Insulation, Front Panel	14	818-0150	6	+Rivet, Drive
3	508-0210	2	*Edging (426mm)	15	508-1011	1	+Seal, Edge (708mm)
4	508-0021	2	*Grommet, Rubber	16	405-6150	1	@+Insulation, Door
5	526-0003	6	*Washer, Flat (#8)	17	406-0528-01	2	+Strike, Spring
6	508-1011	1	*Seal, Edge (478mm)	18	818-0194	4	+Rivet
7	405-1872	3	*Clip, Door				
8	508-0115	1	*Grommet				
9	818-0150	6	*Rivet, Drive		Parts Included		,
10	405-6057	1	@*Insulation, Front Panel		Parts Included		,
11	405–6145–02	2	Door Assy (Includes Parts Marked +)	@-	Parts Included Page.	in Ins	ulation Kit Listed on Sound Shield

Sound Shield Roof Components



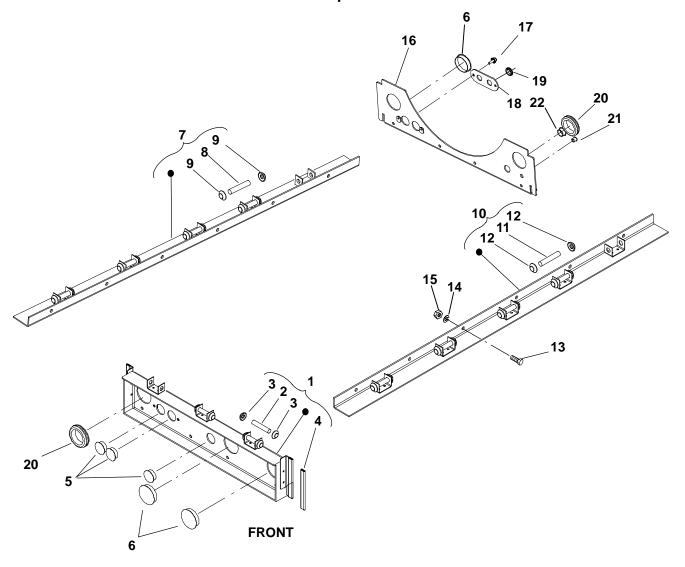
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	405-6148-02	1	Roof Assy	7	405-6149	1	@ Insulation, Roof
1	405-4714	2	Cover, Access	8	406-0528-02	4	Catch, Spring
2	815-0918	12	Screw, Fillister Head Machine	9	818-0194	8	Rivet
			Cross Recessed	10	860-0007	12	Nut, Hex (#6-32)
			(#6-32 x .62")	11	508-0210	2	Edging (628mm)
3	508-0021	1	Grommet, Rubber				,
4	508-0210	2	Edging (135mm)				
5	405-6058	1	@ Insulation, Generator Housing	@-		in Insu	lation Kit Listed on Sound Shield
6	405-6056	1	@ Insulation. Roof		Page.		

Sound Shield Generator Housing



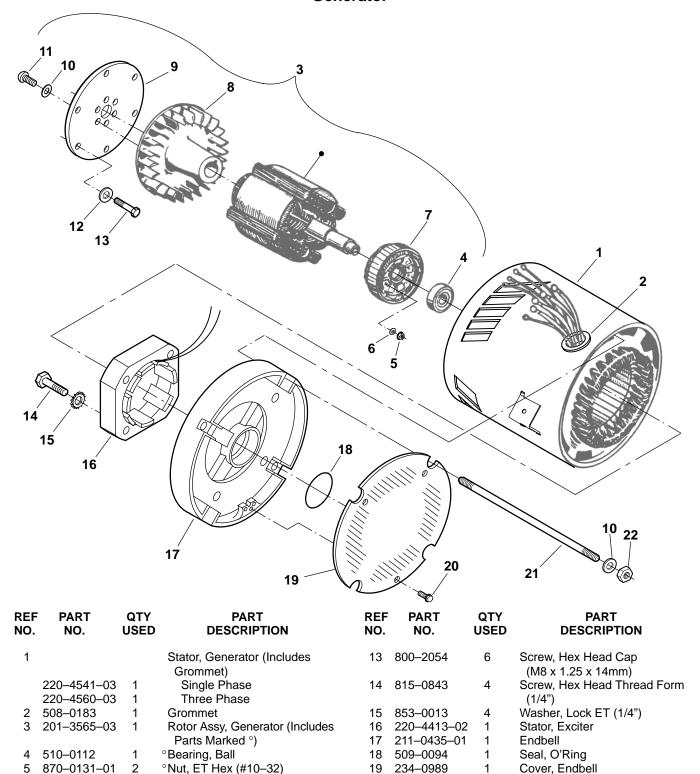
REF NO.	PART NO.	QTY USE		REF NO.	PART NO.	QT\ USE	
1	405–5977	1	Housing Assy, Left Generator (Includes Parts Marked *)	13 14	405–6043–03 818–0150	1 4	Cover, Exhaust Access +Rivet, Drive
2	405-1872	2	*Clip, Door	15	405-6060	1	@+Insulation, Generator Housing
3	526-0003	4	*Washer, Flat (#8)	16	405-6059	1	@+Insulation, Generator Housing
4	818-0150	4	*Rivet, Drive	17	870-0110	17	+Nut, Retainer (1/4-20)
5	405-6084	1	@*Insulation Generator Housing	18	508-0210	1	+Edging (373mm)
6	405-6083	1	@*Insulation, Generator Housing	19	508-1011	1	+Seal, Edge (306mm)
7	508-1011	1	*Seal, Edge (306mm)				
8	508-0210	1	*Edging (373mm)				
9	870-0110	6	*Nut, Retainer (1/4–20)				t Side Generator Housing Assy.
10	405–6078	1	Housing Assy, Right Generator (Includes Parts Marked +)		Parts Included		ht Side Generaor Housing Assy. ulation Kit Listed on Sound Shield
11	405-1872	2	+Clip, Door		Page.		
12	526-0003	4	+Washer, Flat (#8)				

Sound Shield Rail Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6048	1	Rail Assy, Front (Includes, Pins	12	870-0400	10	Nut, Push Cap
			Nuts and Edging)	13	800-3017-02	19	Screw, Hex Head Cap
2	405-3111	3	Pin, Clip				(M6 x 1 x 12mm)
3	870-0400	6	Nut, Push Cap	14	850-0114-53	19	Washer, Lock (M6)
4	508-0210	2	Edging (105mm)	15	862-0026-54	19	Nut, Hex (M6 x 1mm)
5	517-0138	3	Plug (1")	16	405-6096-03	1	Rail, Rear
6	517-0138-07	3	Plug, Hole (1.75")	17	821-6001-02	2	Screw, Hex Head Sems
7	405-6142	1	Rail Assy, Left (Includes Pins				(M5 x 0.8 x 12mm)
			and Nuts)	18	405-6095-03	1	Flange, Bulkhead
8	405-3111	5	Pin, Clip	19	508-1125	2	Grommet
9	870-0400	10	Nut, Push Cap	20	508-1126	2	Grommet
10	405-6139	1	Rail Assy, Right (Includes Pins	21	517-0131	1	Plug, Hole (.38")
			and Nuts)	22	517-0136	1	Plug, Hole (.75")
11	405-3111	5	Pin, Clip				

Generator



19

20

21

22

59

815-0181

862-0041

520-1008-03

° - Parts Included in Rotor Assy.

5

6

7

8

9

10

11

526-0399-11

201-3515-02

815-0917-04

526-0399-42 10

205-0255

232-2826

12 526-0399-41

2

6

°Washer, Flat (#10)

°Rotor, Exciter

°Fan, Generator

°Disk, Rotor Drive

(3/8-16 x 1")

°Washer, Flat (3/8")

Washer, Flat (M8)

°Screw, Button Head Torx

MDKAA/MDKAB

Stud

3

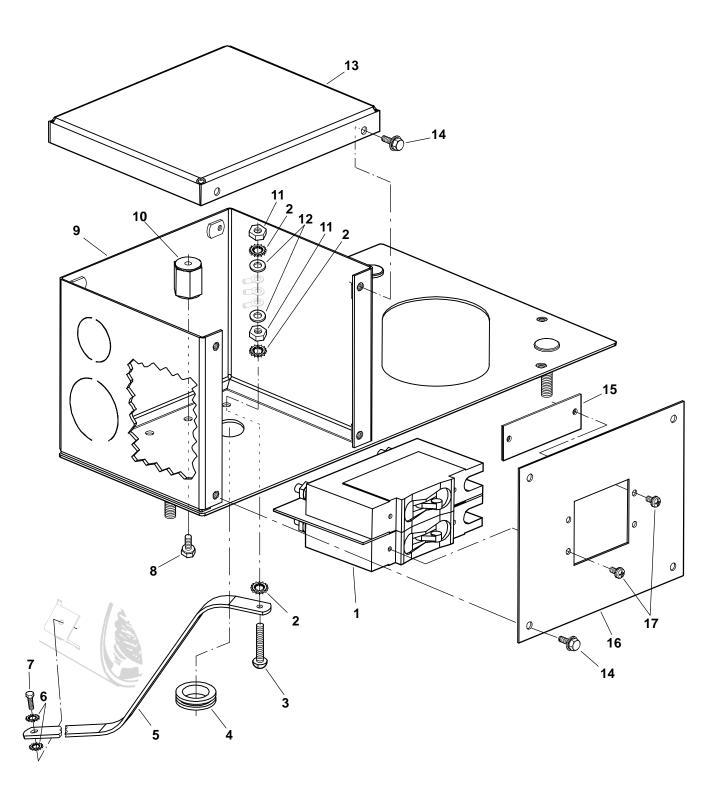
4

Screw, ET Hex Head Thread

Cutting (#10-32 x 1/2")

Nut, Hex (3/8-16)

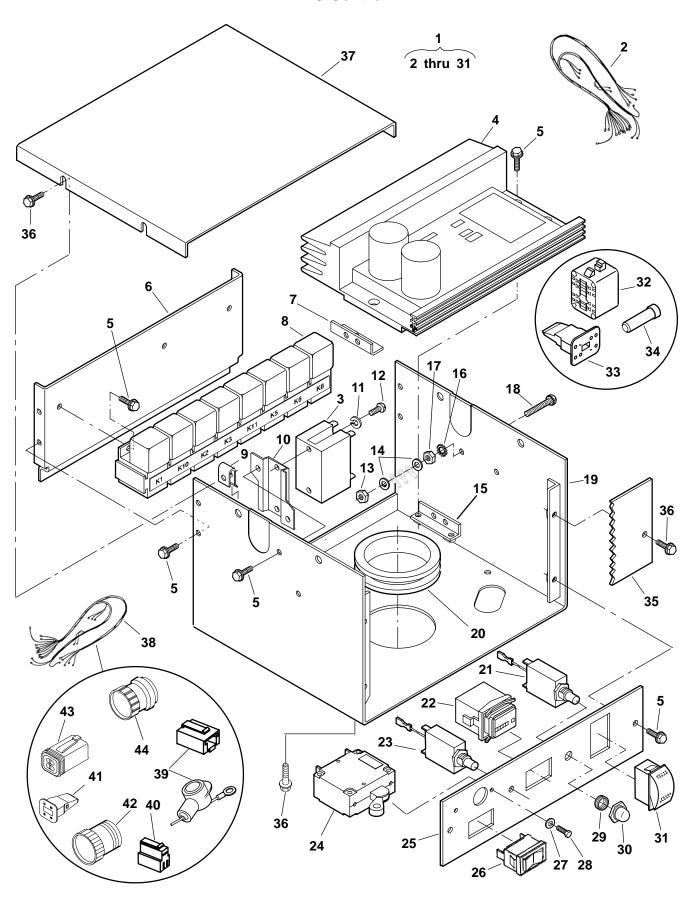
AC Control



AC Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit (CB4)	2	856–0006	3	Washer, EIT Lock (1/4")
•			1 Pole MDKAA	3	810–0155	1	Screw, Brass Round Head Machine (1/4–20 x 1.25")
	320-1690-02	1	40A	4	508-0278	1	Grommet
	320-1690-10	1	55A	5	337–2795	1	Strap, Bond
	320-1690-06	1	90A	6	853-0016	2	Washer, ET Lock (5/16")
			MDKAB	7	800-3017-18	1	Screw, Hex Head Cap
	320-1690-08	1	50A				(M8 x 1.25 x 16mm)
	320-1690-11	1	65A	8	821-0008	1	Screw, Lock Head Flange
	320-1690-07	1	100A	_		•	(Plated) (1/4–20 x 5/16")
			2 Pole	9	319-3359-03	1	Box, Control
			MDKAA	10			Standoff, Insulator
	320-1689-06	1	40A		332-2370	1	Single Phase
	320-1689-07	1	45A		332-2370	3	Three Phase
	320-1689-08	1	50A	11	871-0016	2	Nut, Hex Brass (1/4-20)
			MDKAB	12	526-0052	2	Washer, Flat Brass (1/4)
	320-1689-07	1	45A	13	319-3201-03	1	Cover, AC
	320-1689-08	1	50A	14	821-6001-02	6	Screw, Hex Head Sems
	320-1689-09	1	55A				(M5 x 0.8 x 12mm)
	320-1689-10	1	60A	15	320-1813-02	1	Plate, CB Cover (Used with
			3 Pole				Single Pole Circuit Breaker)
			MDKAA	16			Cover, Circuit Breaker
	320-1891-05	1	15A		319-3199-03	1	1 or 2 Pole CB
	320-1891-06	1	18A		319-3227-03	1	3 Pole CB
	320-1891-03	1	20A	17			Screw, Pan Head Cross
	320-1836-04	1	30A				Recessed (#6-32 x 5/16")
	320-1836-05	1	35A		815-0550-01	4	1 or 2 Pole CB
	320-1836-06	1	40A		815-0550-01	6	3 Pole CB
			MDKAB				
	320-1891-06	1	18A				
	320-1891-03	1	20A				
	320-1891-01	1	25A				
	320-1836-05	1	35A				
	320-1836-06	1	40A				
	320-1836-07	1	45A				

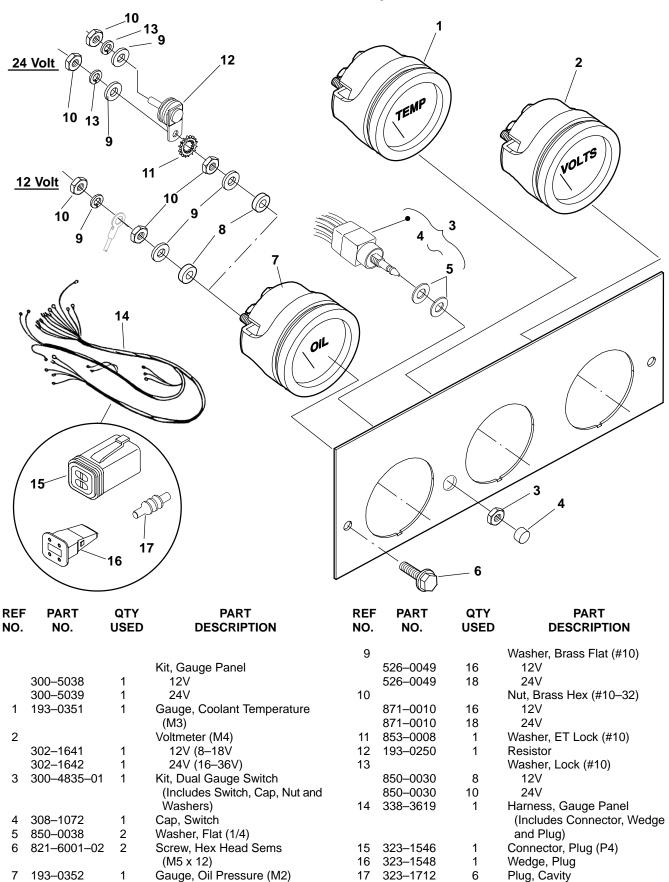
DC Control



DC Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box Assy, Control (Includes Parts Marked *)	18	815–0203	1	*Screw, ET Round Head Brass Machine (#10–32 x .88")
	300-5141-01	1	12V	19	319-3356-03	1	*Box, Control
	300-5141-02	1	24V	20	508-1095	1	*Grommet
2			*Harness, DC (Includes All of the	21	320-1863	1	*Breaker & Terminal Assy (0.5A)
			Following Not Illustrated Parts	22	302-2002	1	*Hourmeter
			and the K4 Relay)	23	320-1769-01	1	*Breaker, Field (2A)
	338-3691-01	1	12V	24	320-1862-01	1	*Breaker, Circuit (50A)
	338-3691-02	1	24V	25	319-3430-02	1	*Panel, Control (Lower Portion)
	323-1549	1	Connector, Receptacle (J4)	26	320-1140	1	*Breaker, Circuit (15A)
	323-1547	1	Wedge, Receptacle (J4)	27	526-0399-05	2	*Washer, Flat (#6)
	323-1542	1	Connector, Receptacle (J3)	28	800-0309-10	2	*Screw, Hex Head Machine
	323-1544	1	Wedge, Receptacle (J3)				(#6–32 x .25")
	323-1546	1	Connector, Plug (P2)	29	320-1954	1	*Adapter, Threaded
	323-1548	1	Wedge, Plug (P2)	30	320-1953	1	*Boot, Pushbutton
			Resistor (R1) (10 Ohm, 10W)	31	308–1027	1	*Switch, Rocker (S1)
	353-0053	1	12V	32	323-1541	1	°*Plug (8 Pin)
	352–0197	1	24V	33	323–1543	1	°*Wedge, Plug
	357–0030	3	Rectifier (CR1, CR2, CR3)	34	323–1591	2	°*Plug, Seal
	323–1563	8	Socket, Relay (K1, K2, K3, K5,	35			Panel, Control
			K6, K8, K10, K11)		319–3381	1	Without Gauges
	323–1799	1	Connector, Receptacle (J5)				With Gauges (Kit) (See
	508–1105	1	Grommet				Separate Page for
•	323–1801	1	Connector, Strain Relief				Components)
3	007 0000 04		Relay (K4) (Part of DC Harness)		300–5038	1	12V
	307–2828–01	1	12V	00	300–5039	1	24V
1	307–2828–02 305–0896	1 1	24V *Regulator, Voltage (AVR)	36	821–6001–02	6	Screw, Hex Head Sems
4 5			*Screw, Hex Head Sems	27	240 2255 02	4	(M5 x 0.8 x 12mm) Cover, Control Box
5	821–6001–02	10	(M5 x 0.8 x 12mm)	37	319–3355–03	1	
6	319–3357–03	1	*Panel, Rear Control	38	338–3692	1	Harness, Engine (Includes
7	319–3357–03	1	*Support, Voltage Regulator	39			Parts Marked +) Connector/Boot
8	319-3401-03	'	*Relay (K1, K2, K3, K5, K6, K8,	39	416–1021–03	1	Boot (24V)
U			K10, K11)		323–1791	1	+ Connector, Plug (12V)
	307-2767	7	12V SPDT		323-1791	'	(1 Position)
	307–2819	7	24V	40	323-1792	1	+Connector, Plug (3 Position)
9	870–0398	4	*Clip, Nut	41	323–1548	AR	+Wedge, Plug (4 Pin)
10	319–3399–03	1	*Bracket, Relay	42	323–1798	AR	+Connector, Plug (16 Pin) (P5)
11	850-0114-51	1	*Washer, Lock (M4)	43	323–1546	AR	+Plug (4 Pin)
12	815–0862	2	*Screw, Cross Recessed	44	323–1801	AR	+Connector, Strain Relief
			(M4 x 0.7 x 10mm)		0_0 .00.		To the second se
13	870-0131	1	*Nut, ET Hex (#10-32)				
14	526-0049	2	*Washer, Flat Brass (#10)		Parts Included		
15	319-3296-03	1	*Support, Voltage Regulator		Parts Included		
16	856-0003	1	*Washer, EIT Lock (#10)	° –	Shipped Loose	in Plas	tic Bag.
17	871-0010	1	*Nut, Hex Brass (#10-32)				

Control Panel Components



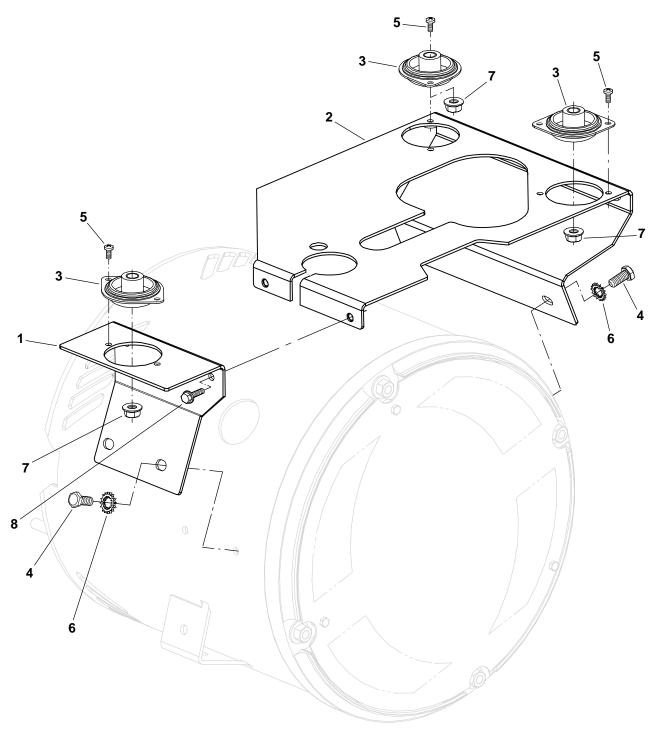
Washer, Nylon (.194")

8

526-0409

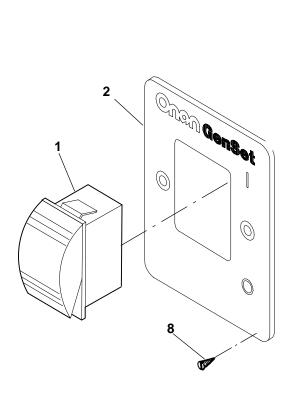
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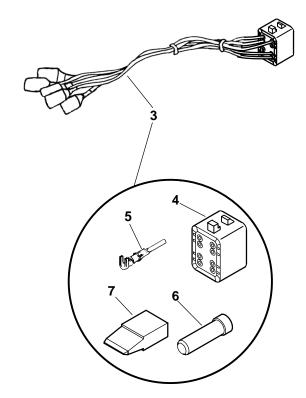
Control Mount



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3204-04	1	Panel, Rear Saddle	5	815-0862	6	Screw (M4 x 0.7 x 10mm)
2	319-3360-04	1	Saddle, Control	6	856-0008	4	Washer, EIT Lock (5/16")
3	402-0681	3	Isolator, Vibration	7	870-0257	3	Nut (5/16–18)
4	815–0236	4	Screw, Hex Head Thread Cutting (5/6–18 x 5/8")	8	821–6002–02	2	Screw, Hex Head Sems (M6 x 1 x 12mm)

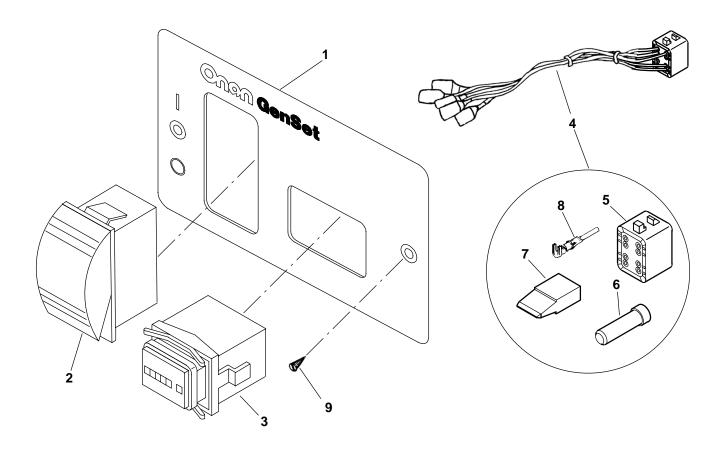
Basic Remote Control Panel





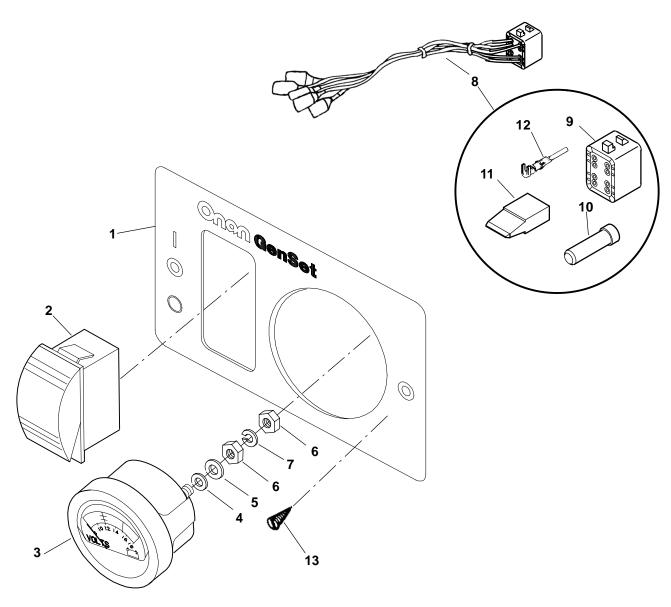
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Basic Panel	4	323-1541	1	*Plug (8 Pin) (J4)
	300-4990-01	1	12V	5	323-1492	5	*Pin, Contact
	300-4990-02	1	24V	6	323-1591	3	*Plug, Seal
1			Switch, Rocker (S11)	7	323-1543	1	*Wedge, Plug (8 Pin)
	308-1062	1	12V	8	815-0910	2	Screw, Wood (#6 x 1)
	308-1062-01	1	24V				,
2	319–2339–02	1	Panel, Remote Includes Printing)	* -	Parts Include	d in Rem	ote Panel Harness.
3	338–3598	1	Harness, Remote Panel (Includes Parts Marked *)				

Deluxe Remote Control Panel W/Hour Meter



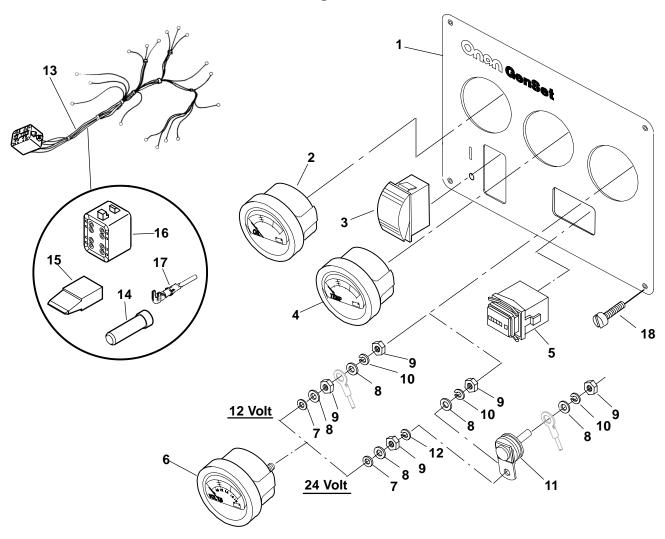
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Deluxe Panel	5	323-1541	1	*Plug (8 Pin) (J4)
	300-4991-01	1	12V	6	323-1591	3	*Plug, Connector
	300-4991-02	1	24V	7	323-1543	1	*Wedge, Plug (8 Pin)
1	319-2340-04	1	Panel, Remote Printed	8	323-1492	5	*Pin, Contact
2			Switch, Rocker (S11)	9	815-0910	2	Screw, Wood (#6 x 1)
	308-1062	1	12V				,
	308-1062-01	1	24V				
3	302-2002	1	Meter, Hour (M11)	* -	Parts Included	d in Rem	ote Panel Wiring Harness.
4	338–3599	1	Harness, Remote Panel (Includes Parts Marked *)				

Deluxe Remote Control Panel W/Volt Meter

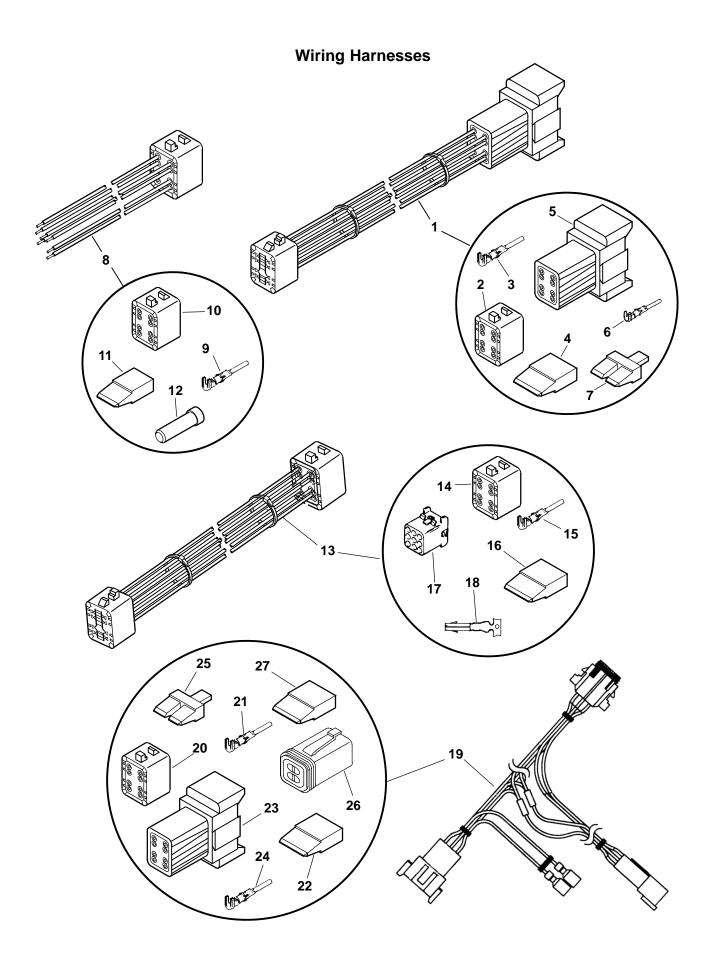


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Remote Panel	6	871-0010	4	Nut, Hex Brass (10-32)
	300-4989-01	1	12V	7	850-0030	2	Washer, Lock
	300-4989-02	1	24V	8	338-3597	1	Harness, Remote Panel
1	319-3132-01	1	Panel, Remote Printed				(Includes Parts Marked *)
2			Switch, Rocker (S11)	9	323-1541	1	*Plug (8 Pin) (J4)
	308-1062	1	12V	10	323-1591	3	*Plug, Connector
	308-1062-01	1	24V	11	323-1543	1	*Wedge, Plug (8 Pin)
3			Meter, Volt (M14)	12	323-1492	5	*Pin, Contact
	302-1641	1	12V (8–18V)	13	815-0910	2	Screw, Wood (#6 x 1)
	302-1642	1	24V (16–36V)				,
4	526-0409	2	Washer, Nylon				
5	526-0049	4	Washer, Flat	* -	Parts Include	d in Remo	ote Panel Wiring Harness.

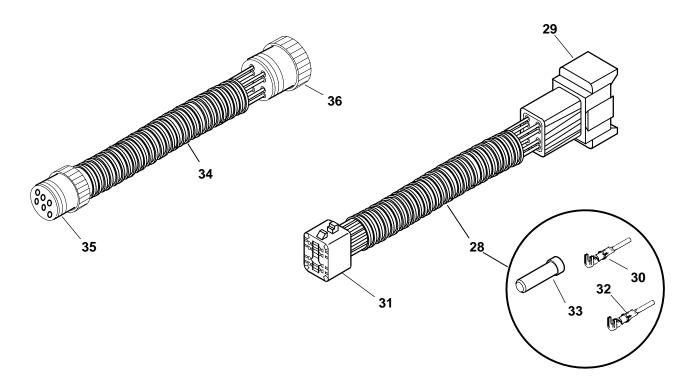
Remote Gauge Control Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Remote Gauge Panel	10			Washer, Lock (#10)
	300-5018-01	1	12V		850-0030	8	12V
	300-5018-02	1	24V		850-0030	10	24V
1	319-3254-02	1	Panel, Remote	11	193-0250	2	Resistor (24V Only)
2 3	193–0352	1	Gauge, Oil Pressure (M12) Switch, Rocker (SPDT) (S11)	12	853–0008	2	Washer, ET Lock (#10) (24V Only)
	308-1062	1	12V Sets				(24V Sets Only)
	308-1062-01	1	24V Sets	13	338-3625	1	Harness, Remote Panel
4	193–0351	1	Gauge, Water Temperature				(Includes Parts Marked +)
			(M13)	14	323–1591	1	+Plug, Seal
5	302-2002	1	Meter, Running Time (M11)	15	323-1543	1	+Wedge, Plug (8 Pin)
6			Meter, Volt (M14)	16	323-1541	1	+Plug (8 Pin) (P4)
	302-1641	1	12V Sets (8–18V)	17	323–1492	7	+Contact, Socket
	302-1642	1	24V Sets (18–34V)	18	808-0023	4	Screw, Pan Head Sheet Metal
7	526-0409	8	Washer, Nylon (.194")				(#8 x .50)
8			Washer, Brass Flat (#10–32)				
	526-0049	16	12V		Danta la aboda		ata Dawal Hamasa
	526-0049	18	24V	+ -	Parts included	a in Rem	ote Panel Harness
9			Nut, Brass Hex (#10–32)				
	871–0010	16	12V				
	871–0010	18	24V				

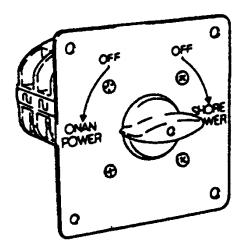


Wiring Harnesses



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Remote Extension	19	338–3697	1	Harness, Junction
			(Includes Parts Marked #)	20	323-1541	1	°Plug (9 Pin)
	338-3167	1	15 feet	21	323-1492	AR	°Terminal, Socket
	338–3168	1	25 feet	22	323-1543	1	°Wedge, Plug (8 Pin)
	338-3169-00	1	45 feet	23	323-1542	1	#Receptacle (8 Pin)
	338-3169-01	1	75 feet	24	323-1491	8	#Terminal, Pin
	338-3169-02	1	100 feet	25	323-1544	1	#Wedge, Receptacle (8 Pin)
	338-3169-03	1	150 feet	26	323-1549	1	Socket, Recrptacke (4 Pin)
2	323-1541	1	#Plug (8 Pin)	27	323-1547	1	Wedge, Lock Receptacle (4 Pin)
3	323-1492	8	#Terminal, Socket	28	338-3643	1	Harness, Remote Control Box
4	323-1543	1	#Wedge, Plug (8 Pin)				AVR Extension (Includes
5	323-1542	1	#Receptacle (8 Pin)				Connectors, Terminals and
6	323-1491	8	#Terminal, Pin				Plugs)
7	323-1544	1	#Wedge, Receptacle (8 Pin)	29	323-1542	1	Connector, Receptacle
8	338-3098	1	Harness, Pigtail (12")	30	323-1491	AR	Terminal, Pin
			(Includes Parts Marked *)	31	323-1541	1	Connector, Plug
9	323-1492	7	*Terminal, Socket	32	323-1492	AR	Terminal, Socket
10	323-1541	1	*Plug (8 Pin)	33	323-1591	3	Plug
11	323-1543	1	*Wedge, Plug (8 Pin)	34			Harness, Remote Control Box
12	323-1591	1	*Plug, Connector				Engine Extension (Includes
13			Harness, Adapter (Includes				Connector and Plug)
			Parts Marked °)		338-3644	1	Spec A
	338-3695	1	Single Circuit for On/Off		338-3730	1	Begin Spec B
			/Preheat	35	323-1767	1	Connector, Receptacle
	338–3696	1	Two Circuits for On/Off and Preheat	36	323–1134	1	Plug, Circular
14	323-1541	1	°Plug (9 Pin)				
15	323-1492	AR	°Terminal, Socket				ote Extension Harness.
16	323-1543	1	°Wedge, Plug (8 Pin)				om Pigtail Harness
17	323-1325	1	°Cap, Connector	° –	Parts Include	ed in Adap	ter Harness.
18	323-1200	AR	°Socket, Contact				

Manual Transfer Switch



REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION

Switch, On Shore/Off Shore Rotary 308–0269 1 120V (2 Wire) 308–0270 1 120/240V (3 Wire)

Labels, Gasket Kits

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	098–7525	1	Label, Bat B+				Kit, Engine Gasket – Includes All
	098–7473	1	Label, Control (K-Relay)				of The Following:
	098–7458	1	Label, Control Panel		168–0226	1	MDKAA
			(w/Gauges)		168-0227	1	MDKAB
	098-7523	1	Label, Control (M1, CB)		185-5641	4	Gasket, Delivery Valve
	098–7468	1	Label, Control (M2, M3, M4)		185–5643	4	Seal, O'Ring
	098–7524	1	Label, Control (Fault Breaker,		185–5478	1	Gasket, Oil Pan
			Emergency Stop)		185–2349	2	Gasket, Oil Fill Plug
	098–7459	1	Label, Control Panel		185–6579	1	Gasket, Pump Cover
			(w/o Gauges)		185–6863	1	Gasket, Gearcase
	098–7474	1	Label, Control Panel (Inside)		185–6498	2	Gasket, Valve Cover
	098-7460	1	Label, Control (Outside)		185-5646	8	Seal, O'Ring
	098–5161	1	Label, Coolant (Housed Sets				Gasket, Cylinder Head
			Only)		185–7304	1	MDKAA
	098–7159	1	Label, Coolant		185–6478	1	MDKAB
	098-5347	1	Label, Danger (High Voltage)		185-6545	1	Seal, O'Ring
	098-7246	1	Label, Dual Gauge		185-5661	2	Gasket
	098-7472	1	Label, Fire Port (Housed Sets		185-5663	1	Gasket
			Only)		185-6603	1	Gasket, Shaft Cover
	098-2235-02	1	Label, Ground		185-5691	1	Seal, O'Ring
	185-5796	1	Label, Instruction		185-2461	1	Seal, Oil
	098–6997	1	Label, Lifting Eye (Housed Sets		185–6894	1	Gasket, Control Plate
			Only)		185-2284	5	Gasket
	098-6996	1	Label, No Step (Housed Sets		185-5337	4	Gasket, Nozzle Holder
			Only)		185–6511	1	Gasket, Bearing Case Cover
	098–5338	1	Label, No Step		185–6869	1	Gasket, Bearing Case
	098-6388-01	1	Label, Phone Info		185-2291	4	Gasket
	098–1714	1	Label, Onan (Housed Sets		509-0094	1	Seal, O'Ring
			Only)		185–6580	1	Gasket, Fuel Pump
	098–7493	1	Label, Reconnection		185–6922	11	Gasket, Water Flange
	098–7521	1	Label, Schematic (DC)		185-6004	1	Gasket, Thermostat
	098–7512	1	Label, Service Parts		185–7299	1	Gasket, Water Pump
	098–6995	4	Label, Warning (Exposed Belts)		185–6854	2	Gasket, Exhaust Manifold
			(Housed Sets Only)		185–7300	8	Seal, Valve Stem
	098–5755	1	Label, Warning (Hazardous		185–6853	1	Gasket, Exhaust
			Voltage)		185–6701	1	Gasket, Intake Manifold
	098–5667	1	Label, Warning (Hot		185–2284	5	Seal, O'Ring
			Pressurized Coolant)		185–5869	2	Seal, O'Ring
	098-6074-02	1	Label, Warning (Operation,		185-3080	2	Seal, O'Ring
			Maintenance and Service)		185–2338	1	Seal, O'Ring
	098-4798-01	1	Label, Warning (Rotating Parts)		185–2095	1	Seal, O'Ring
			(Unhoused Sets Only)		185–3078	1	Seal, O'Ring
					185–6494	1	Seal, Oil
					185–5869	1	Seal, O'Ring
					185–5743	1	Seal, O'Ring
					185–6510	1	Seal, Oil

Part No. Page	Part No. Page	Part No. Page	Part No. Page
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