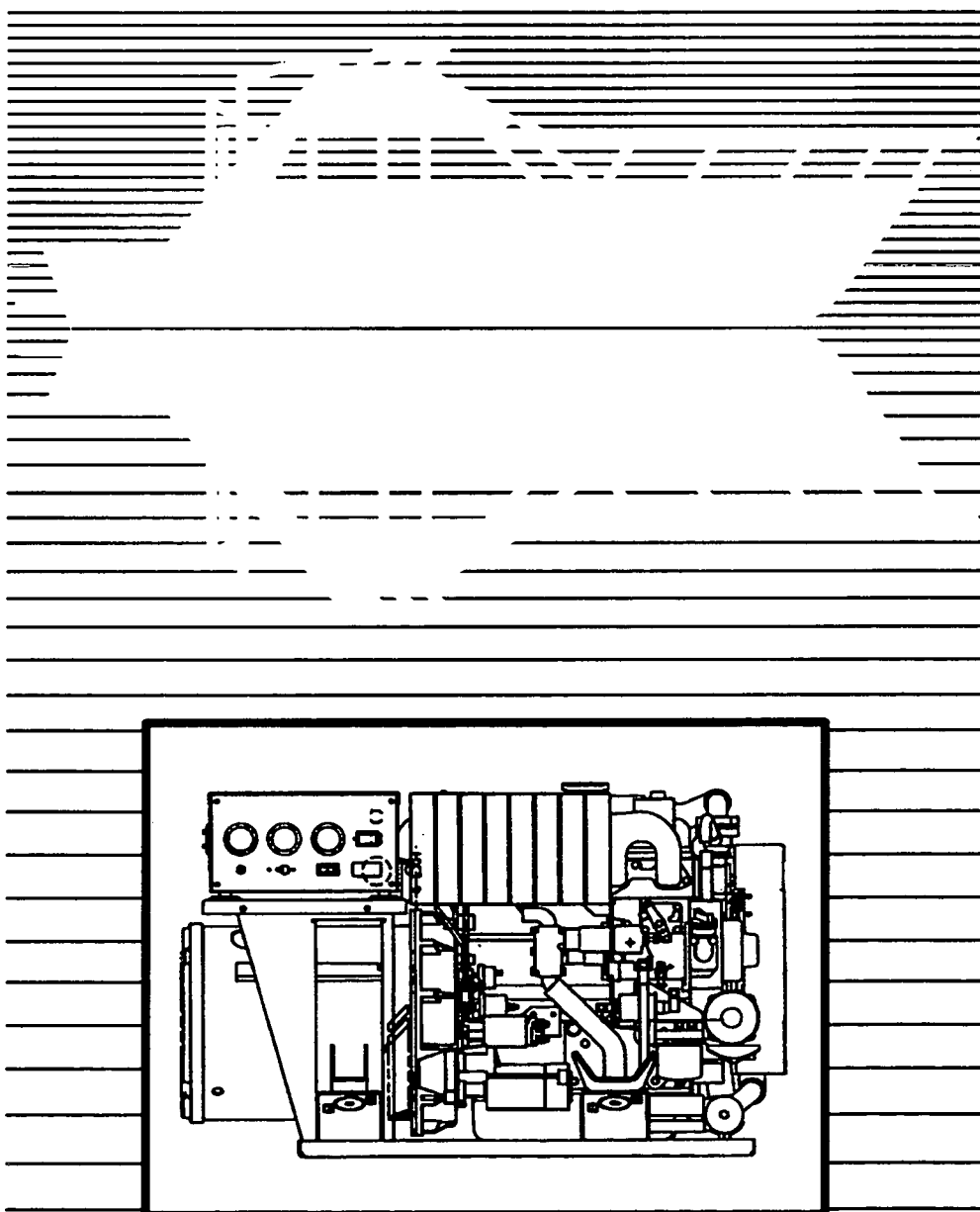


Onan

MARINE

Parts Manual

MDKAF



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
20.0MDKAF/*	50
25.0MDKAF/*	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.

** – See Back of Book for Generator Data (W/D, Voltage, Phase) Information.

Index

- Adapter, Dry Exhaust, 40
- Adapter, Engine, 17
- Adapter, Fuel Line Pipe, 26, 27
- Adapter, Fuel Pipe, 20
- Adapter, Fuel Return Pipe, 25
- Adapter, Oil Drain, 24
- Alternator, 42
- Arm Assy, Rocker, 19
- Armature, Starter, 30, 31

- Baffle Assy, Generator, 57
- Baffle, Rotor Air, 49
- Ball, Crankshaft, 8
- Ball, Gearcase Valve Seat, 22
- Base, Aluminum, 26
- Base, Generator Mounting, 46
- Base, Housing, 57
- Base, Mounting, 46
- Bearing, Alternator (12V), 43
- Bearing, Alternator (24V), 44
- Bearing, Connecting Rod, 10
- Bearing, Crankshaft, 8
- Bearing, Crankshaft Thrust, 8
- Bearing, Fork Lever, 14
- Bearing, Fuel Camshaft Ball, 12
- Bearing, Generator, 49
- Bearing, Governor Weight, 12
- Bearing, Main, 8
- Bearing, Starter, 30, 31
- Bearing, Water Pump, 32
- Belt, Alternator, 42
- Block Assy, Cylinder, 7
- Block, Terminal (With Gauges), 51
- Boot, Engine Harness, 53
- Box, Control, 52, 53
- Bracket, Alternator Adjusting, 42
- Bracket, Belt Guard, 45
- Bracket, Control Box Mounting, 55
- Bracket, Fuel Pump, 26, 27
- Bracket, Heat Exchanger, 35
- Bracket, Lifting, 7
- Bracket, Resistor, 26
- Bracket, Rocker Arm, 19
- Bracket, Starter, 30, 31
- Bracket, Stop Solenoid, 29
- Breaker Assy (With Gauges), 51
- Breaker, Circuit (CB1, CB4) (With Gauges), 51
- Breaker, Circuit (CB2), 53
- Breaker, Circuit (CB3), 53
- Breather, 21
- Brush, Alternator (12V), 43
- Brush, Alternator (24V), 44
- Bulkhead, 59
- Bushing, Connecting Rod, 10
- Bushing, Control Box Strain Relief, 53
- Bushing, Dry Exhaust Reducer, 40
- Bushing, Governor Weight, 12
- Bushing, Idle Gear, 9
- Bushing, Oil Drain Reducer, 24

- Camshaft, 9
- Camshaft Assy, Fuel, 12
- Camshaft, Fuel, 12
- Cap, Adjusting Bolt, 23
- Cap, Adjusting Bolt Assy, 13
- Cap, Coolant Tank, 37
- Cap, Cylinder Block Sealing, 7
- Cap, Cylinder Head Sealing, 18
- Cap, Dual Gauge Switch, 64
- Cap, Valve, 19
- Catch, Sound Shield Spring, 57
- Clamp, "J", 35, 38
- Clamp, Breather Tube, 21
- Clamp, Coolant Tank Hose, 37
- Clamp, Cooling System Hose, 35
- Clamp, Exhaust Hose, 39
- Clamp, Intake Manifold Hose, 38
- Clamp, Nozzle Pipe, 20
- Clamp, Water Return Hose, 33
- Clip, Control Box Nut, 53
- Clip, Control Box Tube, 55
- Clip, Front Panel Door, 58
- Clip, Generator Housing Door, 59
- Clip, Sound Shield Door, 57
- Clip, Stop Solenoid Linkage, 29
- Clip, Water Flange Wire, 33
- Cock, Cylinder Block Drain, 7
- Collar, Alternator (12V), 43
- Collar, Alternator (24V), 44
- Collar, Alternator Adjusting Bracket, 42
- Collar, Crankshaft, 8
- Collar, Fuel Camshaft, 12
- Collar, Governor Lever, 23
- Collar, Idle Gear, 9
- Collet, Valve Spring, 19
- Components, 12V Starter, 30
- Components, 24V Starter, 31
- Components, Alternator (12V), 43
- Components, Alternator (24V), 44
- Components, Fuel/Water Separator, 28
- Components, Injection Pump, 16
- Components, Starter, 31
- Connector, Fuel Return Inverted Male, 20
- Connector, Oil Line Inverted Male, 25
- Cord, Glow Plug, 20
- Coupling, Dry Exhaust Reducer, 40
- Coupling, Fuel Return Anchor, 20, 25
- Cover, 36
- Cover Assy, Starter, 30, 31
- Cover, Alternator Bearing (12V), 43
- Cover, Alternator Bearing (24V), 44
- Cover, Alternator End (12V), 43
- Cover, Alternator End (24V), 44
- Cover, Bearing Housing, 11
- Cover, Control Box, 53
- Cover, Cylinder Head, 21

Index

- Cover, Cylinder Head Oil Fill, 21
- Cover, Gearcase Oil Fill, 22
- Cover, Generator Inlet, 49
- Cover, Hole, 13
- Cover, Injection Pump, 13
- Cover, Mechanical Fuel Pump, 29
- Cover, Sound Shield Access, 57
- Cover, Thermostat, 33
- Crankshaft, 8

- Diagram, Wiring, 65
- Diode, Deluxe Remote Control Lead, 61
- Diode, Rotor, 49
- Disc, Generator Drive, 49
- Door Assy, Housing, 57
- Drain Assy, Water Separator, 28
- Drive Assy, Starter, 30, 31

- Edging, Control Box, 53
- Edging, Generator Housing, 59
- Edging, Housing Front Panel, 58
- Edging, Sound Shield, 57
- Elbow, Fuel Return Inverted Female, 20, 25
- Elbow, Fuel Return Street Pipe, 20, 25
- Elbow, Fuel System, 26, 27
- Elbow, Oil Drain Pipe, 24
- Elbow, Oil Line Male, 25
- Elbow, Oil Pressure Sender Pipe, 25
- Element, Breather, 21
- Element, Fuel Filter, 26
- Element, Water Separator, 28
- Endbell, 49
- Engine, Replacement, 7
- Exchanger, Heat, 35

- Fan, Generator, 49
- Filter, Fuel, 26
- Filter, Oil, 22
- Fitting, Oil Drain Hose Barb, 24
- Flange, Dry Exhaust, 40
- Flange, Gearcase Oil Fill, 22
- Flange, Water Outlet, 33
- Flange, Water Pump, 32
- Flange, Water Return, 22
- Flywheel Assy, 17
- Frame, Alternator Drive End (12V), 43
- Frame, Alternator Drive End (24V), 44
- Frame, Alternator End (12V), 43
- Frame, Alternator End (24V), 44

- Gasket, Adjusting Bolt, 13, 23
- Gasket, Adjusting Bolt Assy, 13
- Gasket, Bearing Housing, 11
- Gasket, Bearing Housing Cover, 11
- Gasket, Breather, 21
- Gasket, Cover, 36
- Gasket, Cylinder Block Plug, 7
- Gasket, Cylinder Head, 18
- Gasket, Cylinder Head Cap Nut, 21
- Gasket, Cylinder Head Cover, 21
- Gasket, Delivery Valve, 16
- Gasket, Dry Exhaust, 40
- Gasket, Dry Exhaust Adapter, 40
- Gasket, Exhaust Manifold, 39
- Gasket, Gearcase, 22
- Gasket, Gearcase Oil Fill Flange, 22
- Gasket, Injection Pump, 15
- Gasket, Injection Pump Cover, 13
- Gasket, Injection Pump Hollow Screw, 16
- Gasket, Intake Manifold, 38
- Gasket, Mechanical Fuel Pump Cover, 29
- Gasket, Mixer, 39
- Gasket, Nozzle, 20
- Gasket, Oil Pan, 24
- Gasket, Oil Pump, 7
- Gasket, Raw Water Pump, 35
- Gasket, Riser, 39, 40
- Gasket, Speed Control Plate, 23
- Gasket, Thermostat Cover, 33
- Gasket, Water Outlet, 33
- Gasket, Water Pump, 32
- Gasket, Water Return Flange, 22
- Gauge, Coolant Temperature, 51
- Gauge, Oil Pressure, 51
- Gear Assy, Idle, 9
- Gear, Camshaft, 9
- Gear, Crankshaft, 8
- Gear, Injection Pump, 12
- Gear, Oil Drive, 8
- Gear, Oil Pump Drive, 7
- Gear, Ring, 17
- Gear, Starter, 30, 31
- Gearcase, 22
- Gearcase Assy, 22
- Generator, 49
- Governor, 14
- Grip, Governor Lever, 23
- Grommet, Baffle Assy, 57
- Grommet, Control Panel, 53
- Grommet, Front Panel, 58
- Grommet, Generator Housing, 59
- Grommet, Generator Stator, 49
- Grommet, Housing Front Panel, 58
- Guard, Belt, 45
- Guide, Valve, 18

- Harness, Control, 51
- Harness, Custom Remote, 63
- Harness, Deluxe Remote Panel, 61
- Harness, Engine Wiring, 53
- Harness, Remote, 63, 64
- Harness, Remote Extension, 63
- Harness, Remote Panel, 60
- Head Assy, Cylinder, 18
- Head Assy, Water Separator Replacement, 28

Index

- Head, Cylinder, 18
- Holder Assy, Alternator Brush (12V), 43
- Holder Assy, Alternator Brush (24V), 44
- Holder Assy, Nozzle, 20
- Holder Assy, Starter Brush, 30
- Holder, Delivery Valve, 16
- Holder, Fork Lever, 14
- Holder, Governor Weight, 12
- Holder, Nozzle, 20
- Holder, Starter Brush, 31
- Hook, Engine, 18
- Hose, Coolant Tank Lower, 35
- Hose, Coolant Tank Upper, 37
- Hose, Engine Coolant, 35
- Hose, Exhaust, 39
- Hose, Exhaust Manifold, 35
- Hose, Intake, 38
- Hose, Keel Cooling, 41
- Hose, Mixer, 35
- Hose, Raw Water Pump, 35
- Housing Assy, Generator, 57
- Housing, Generator, 59
- Housing, Main Bearing, 11
- Hub, Generator Drive, 49
- Impeller, Water Pump, 32
- Indicator, Oil Level, 24
- Inlet, Keel Cooling, 41
- Insulation, Alternator Brush (12V), 43
- Insulation, Alternator Brush (24V), 44
- Insulation, Control Box, 59
- Isolator, Control Box Vibration, 55
- Isolator, Mounting, 46
- Isolator, Vibration, 57
- Joint, Cylinder Block Drian Cock, 7
- Joint, Gearcase Pipe, 22
- Joint, Injection Pump, 15
- Joint, Intake Manifold Pipe, 38
- Key, Camshaft, 9
- Key, Crankshaft, 8
- Key, Fuel Camshaft, 12
- Key, Oil Pump, 7
- Kit, Dual Gauge Switch, 64
- Kit, Raw Water Pump Service, 35
- Kit, Recovery Tank, 64
- Kit, Water Separator Metal Bowl Replacement, 28
- Labels, 64
- Lever Assy, Engine Stop, 13
- Lever Assy, Starter, 30, 31
- Lever Assy, Stop, 13
- Lever, Engine Stop, 13
- Lever, Fork, 14
- Lever, Governor, 14, 23
- Lever, Solenoid Stop, 29
- Lever, Speed Control, 23
- Line, Fuel, 26, 27
- Line, Fuel Return, 20, 25
- Line, Oil, 25
- Manifold, Exhaust, 39
- Manifold, Intake, 38
- Manifold, Oil Pressure, 25
- Marker, Strip (With Gauges), 51
- Meter, Battery Voltage, 61
- Meter, Running Time, 61
- Meter, Time Totalizing, 51
- Mixer, 39
- Mount Assy, Engine, 46
- Mount, Control Box, 55
- Nozzle, 20
- O'Ring Kit, Water Separator, 28
- O'Ring, Crankshaft, 8
- O'Ring, Cylinder Block Pipe Pin, 7
- O'Ring, Cylinder Head, 18
- O'Ring, Delivery Valve Holder, 16
- O'Ring, Gearcase, 22
- O'Ring, Gearcase Oil Fill, 22
- O'Ring, Governor Lever, 14, 23
- O'Ring, Oil Fill Cover, 21
- O'Ring, Oil Pickup Tube, 24
- O'Ring, Water Pump, 35
- Outlet, Keel Cooling, 41
- Outlet, Water, 33
- Pan, Oil, 24
- Panel Assy, Control, 53
- Panel Assy, Control (With Gauges), 51
- Panel Assy, Generator Housing, 57
- Panel Assy, Housing Front, 57
- Panel, Basic Remote Control, 60
- Panel, Breaker, 53
- Panel, Control (With Gauges), 51
- Panel, Deluxe Remote Control, 61
- Panel, Housing Front, 58
- Panel, Remote Control, 61
- Panel, Remote Gauge Control, 62
- Panel, VR Access, 53
- Pencil, Zinc, 35
- Pin, Cylinder Block Pipe, 7
- Pin, Cylinder Block Straight, 7
- Pin, Flywheel Alignment, 17
- Pin, Gearcase Start Spring, 22
- Pin, Gearcase Straight, 22
- Pin, Governor Lever Spring, 23
- Pin, Governor Lever Straight, 23
- Pin, Governor Weight, 12, 14
- Pin, Piston, 10
- Pin, Rocker Arm Spring, 19
- Pin, Sound Shield Clip, 57
- Pin, Stop Lever Spring, 13
- Pin, Tappet Guide, 16

Index

- Pinion Set, Starter, 31
- Pipe, Injection, 20
- Pipe, Overflow, 20
- Pipe, Water Return, 33
- Piston, 10
- Plate Assy, Lock, 16
- Plate, Alternator Retainer (12V), 43
- Plate, Alternator Retainer (24V), 44
- Plate, Breather, 21
- Plate, Injection Pump, 16
- Plate, Speed Control, 23
- Plug, Coolant Tank Hex Pipe, 37
- Plug, Cylinder Block, 7
- Plug, Cylinder Head, 18
- Plug, Engine Adapter Hole, 17
- Plug, Fuel Filter Drain, 26
- Plug, Gearcase, 22
- Plug, Glow, 20
- Plug, Oil Pan, 24
- Plug, Oil Pressure Manifold Hex Head Pipe, 25
- Plug, Thermostat Cover, 33
- Plunger, Pump, 16
- Pulley, Alternator, 42
- Pulley, Alternator (12V), 43
- Pulley, Alternator (24V), 44
- Pulley, Water Pump, 32
- Pump Assy, Engine Coolant Water, 32
- Pump Assy, Injection, 15, 16
- Pump Assy, Water, 32
- Pump Assy, Water Separator, 28
- Pump, Electric Fuel, 26
- Pump, Oil, 7
- Pump, Raw Water, 35

- Rack, Injection Pump Control, 16
- Rail Assy, 57
- Rectifier, Alternator (12V), 43
- Rectifier, Alternator (24V), 44
- Rectifier, Control Harness, 51
- Rectifier, Control Harness (With Gauges), 51
- Regulator, Alternator (12V), 43
- Regulator, Alternator (24V), 44
- Regulator, Voltage, 53
- Relay, Control Harness, 51
- Relay, Control Harness (With Gauges), 51
- Resistor, Control Harness (With Gauges), 51
- Resistor, Fuel Pump, 26
- Resonator, Intake, 38
- Retainer, Endbell, 49
- Retainer, Valve Spring, 19
- Ring, Fuel Camshaft Retaining, 12
- Ring, Idle Gear Shaft Retaining, 9
- Ring, Injection Pump Gear, 12
- Ring, Piston Pin Retaining, 10
- Ring, Rocker Arm Retaining, 19
- Riser, Exhaust, 39
- Rod Assy, Connecting, 10
- Rod, P/Ush, 9

- Roof Assy, Housing, 57
- Rotor Assy, Generator, 49
- Rotor, Alternator (12V), 43
- Rotor, Alternator (24V), 44

- Seal, Bearing Housing Oil, 11
- Seal, Endbell O'Ring, 49
- Seal, Front Panel Edge, 58
- Seal, Generator Housing Edge, 59
- Seal, Heat, 20
- Seal, Sound Shield Edge, 57
- Seal, Stop Lever Oil, 13
- Seal, Valve Stem, 19
- Seal, Water Pump, 32
- Seat, Gearcase Valve, 22
- Seat, Spring, 16
- Sender, Oil Pressure, 25
- Sender, Water Temperature, 33
- Separator, Fuel/Water, 27
- Separator, Water, 28
- Set, Piston Ring, 10
- Shaft Assy, Rocker Arm, 19
- Shaft, Fork Lever, 14
- Shaft, Governor Weight, 12
- Shaft, Idle Gear, 9
- Shaft, Speed Control Lever, 14
- Shaft, Stop Lever, 13
- Shield, Sound, 57
- Shim, Governor Lever, 23
- Shim, Injection Pump, 16
- Shim, Injection Pump Mounting, 15
- Sleeve, Air Intake, 38
- Sleeve, Crankshaft, 8
- Sleeve, Governor, 12
- Sleeve, Injection Pump Control, 16
- Slinger, Oil, 8
- Solenoid, Stop, 29
- Spacer, Generator Fan, 49
- Spring, Alternator Brush (24V), 44
- Spring, Brush (12V), 43
- Spring, Delivery Valve, 16
- Spring, Gearcase Valve Seat, 22
- Spring, Governor, 14
- Spring, Governor Lever, 23
- Spring, Governor Start, 14
- Spring, Plunger, 16
- Spring, Rocker Arm, 19
- Spring, Starter Brush, 30, 31
- Spring, Starter Set, 30, 31
- Spring, Valve, 19
- Standoff, Control Box, 53
- Starter (Mounting), 17
- Stator, Exciter, 49
- Stator, Generator, 49
- Stopper, Camshaft, 9
- Stopper, Fuel Camshaft, 12
- Stopper, Starter Set, 30, 31
- Strap, Bond, 47

Index

Strap, Control Box Bond, **53**
Support Assy, Roof, **57**
Support, Control Box Bracket, **55**
Support, Fuel Return, **20, 25**
Switch, Deluxe Remote Rocker, **61**
Switch, Dual Gauge Kit, **64**
Switch, High Exhaust Temperature, **39**
Switch, High Water Temperature, **33**
Switch, Oil Pressure, **25**
Switch, Remote Panel Rocker, **60**
Switch, Rocker (With Gauges), **51**
Switch, Starter Solenoid, **30, 31**
Swivel, Stop Solenoid Ball Joint, **29**
System, Cooling, **35**

Table, Generator Set Data, **65**
Tank, Coolant, **37**

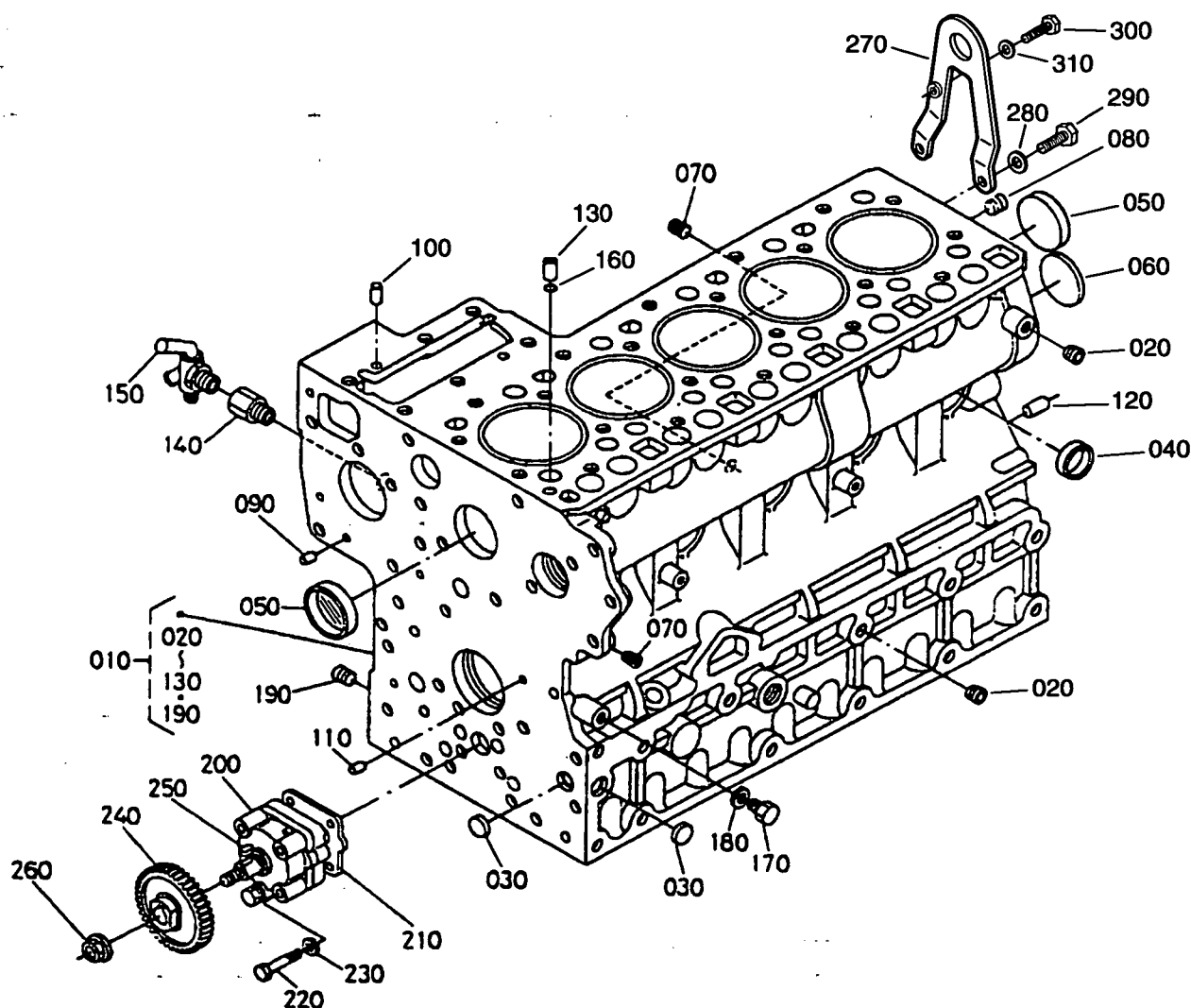
Tape, Polyurethane, **49**
Tappet, **9**
Tappet Assy, **16**
Thermostat, Engine, **33**
Tie, Engine Harness Cable, **53**
Tube, Breather, **21**
Tube, Oil Pickup, **24**

Valve, **19**
Valve, Delivery, **16**
Valve, Oil Drain Shutoff, **24**
Voltmeter, **51**

Weight Assy, Governor, **12**

Yoke Assy, Starter, **30, 31**

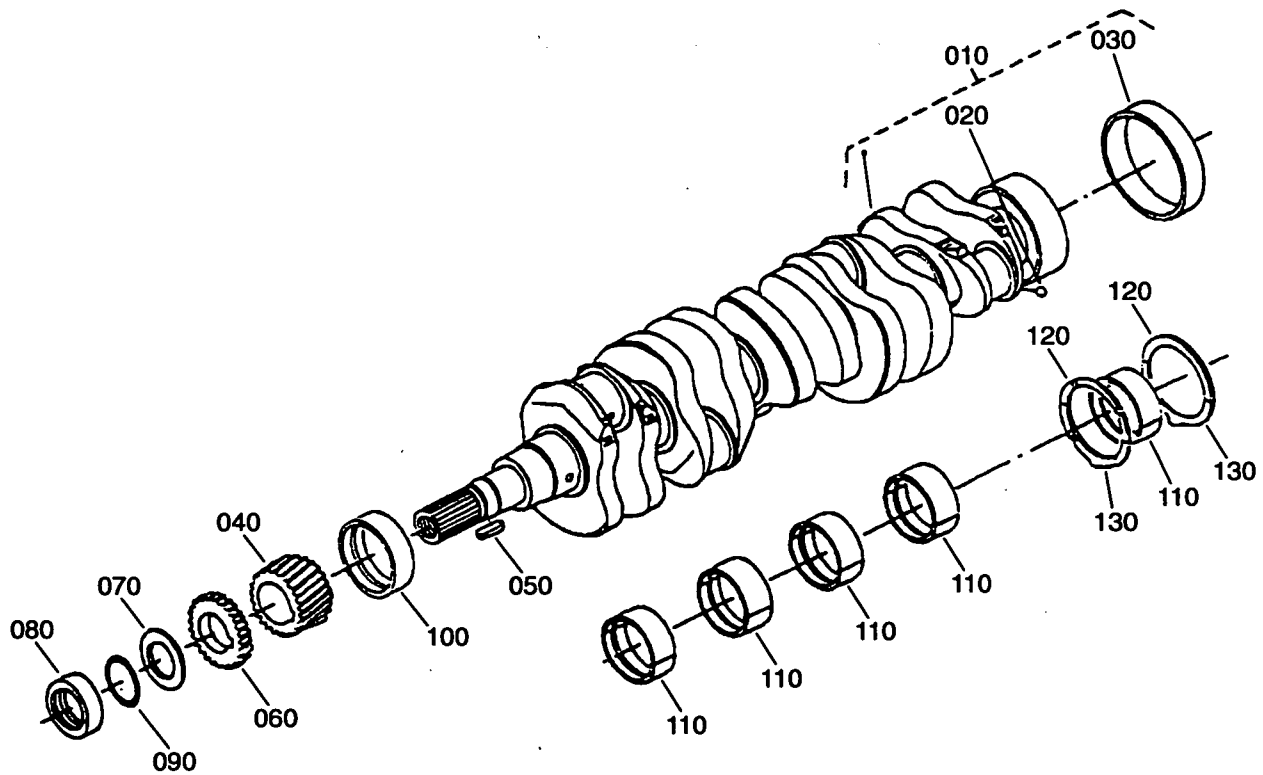
Cylinder Block



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Engine, Replacement	170	185-5845	1	Plug
	100-3327-01	1	12V	180	185-2338	1	Gasket
	100-3327-02	1	24V	190	185-5837	2	#Plug
010	185-6038	1	Block Assy, Cylinder (Includes Parts Marked #)	200	185-6041	1	Pump, Oil
020	185-6039	4	#Plug	210	185-5849	1	Gasket, Oil Pump
030	185-6121	3	#Plug	220	185-6042	4	Bolt
040	185-5840	8	#Cap, Sealing	230	185-6759	4	Washer, Spring
050	185-5841	2	#Cap, Sealing	240	185-6043	1	Gear, Oil Pump Drive
060	185-6040	1	#Plug	250	185-2352	1	Key
070	185-2233	7	#Plug	260	185-7031	1	Nut, Flange
080	185-2234	2	#Plug	270	403-3913-03	1	Bracket, Lifting
090	185-5842	2	#Pin, Straight	280	526-2140	2	Washer, Flat (M12)
100	185-2350	2	#Pin, Straight	290	800-3033	2	Screw, Hex Head Cap (M12 x 1.25 x 25mm)
110	185-5843	2	#Pin, Straight	300	718-1036	1	Screw, Hex Head Cap (M8 x 20 x 1.25mm)
120	185-5844	1	#Pin, Straight	310	526-2100	1	Washer (M8)
130	185-2094	1	#Pin, Pipe				
140	185-5847	1	Joint, Drain Cock				
150	185-5846	1	Cock, Drain				
160	185-2095	1	O'Ring				

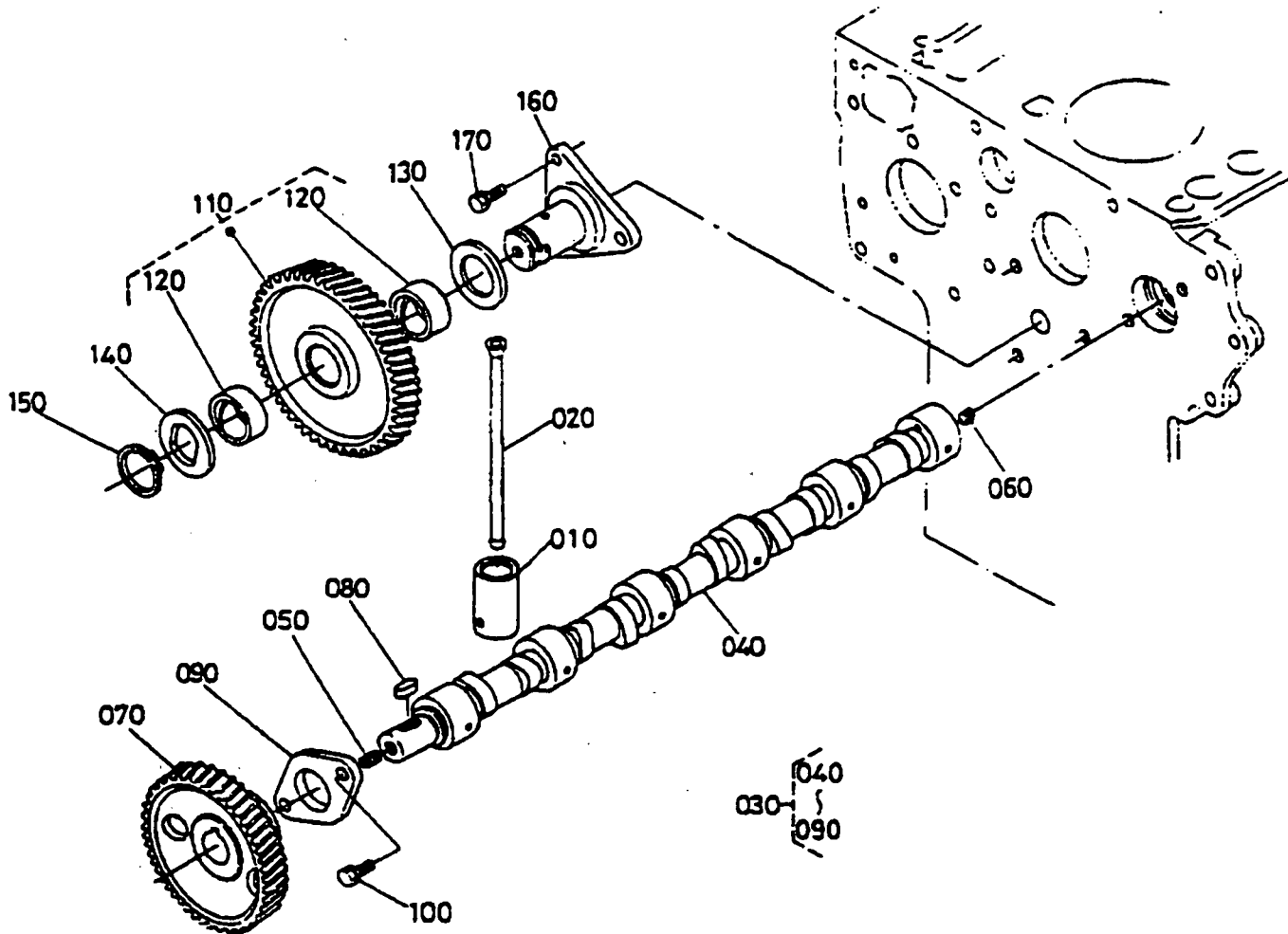
- Parts included in Cylinder Block Assy.

Crankshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-7036	1	Crankshaft (Includes Balls and Sleeve)	110			Bearing, Main
020	185-5924	5	Ball	185-6086	5		Standard
030	185-6079	1	Sleeve	185-6976	5		0.2 mm Undersize
040	185-6080	1	Gear	185-6977	5		0.4 mm Undersize
050	185-6081	1	Key	120			Bearing, Thrust
060	185-6082	1	Gear, Oil Drive	185-5938	2		Standard
070	185-6083	1	Slinger, Oil	185-5939	2		0.2 mm Oversize
080	185-6084	1	Collar	185-5940	2		0.4 mm Oversize
090	185-5929	1	O'Ring	130			Bearing, Thrust
100			Bearing	185-5941	2		Standard
	185-6085	1	Standard	185-6088	2		0.2 mm Oversize
	185-6974	1	0.2 mm Undersize	185-6089	2		0.4 mm Oversize
	185-6975	1	0.4 mm Undersize				

Camshaft

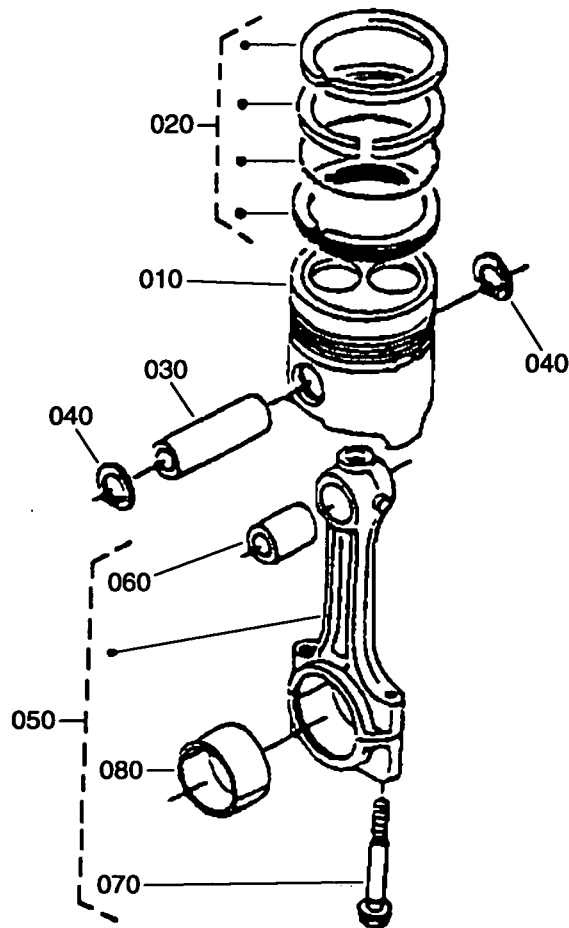


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5900	10	Tappet
020	185-5901	10	Rod, Push
030	185-6064	1	Camshaft Assy (Includes Parts Marked #)
040	185-6065	1	#Camshaft
050	185-6066	1	#Screw, Set
060	185-5558	1	#Screw, Set
070	185-6067	1	#Gear, Camshaft
080	185-5905	1	#Key
090	185-5906	1	#Stopper, Camshaft
100	185-2400	2	Bolt

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
110	185-6207	1	Gear Assy, Idle (Includes Bushing)
120	185-6069	2	Bushing, Idle Gear
130	185-5909	1	Collar
140	185-5910	1	Collar
150	185-5911	1	Ring, External Retaining
160	185-5912	1	Shaft, Idle Gear
170	185-2400	3	Bolt

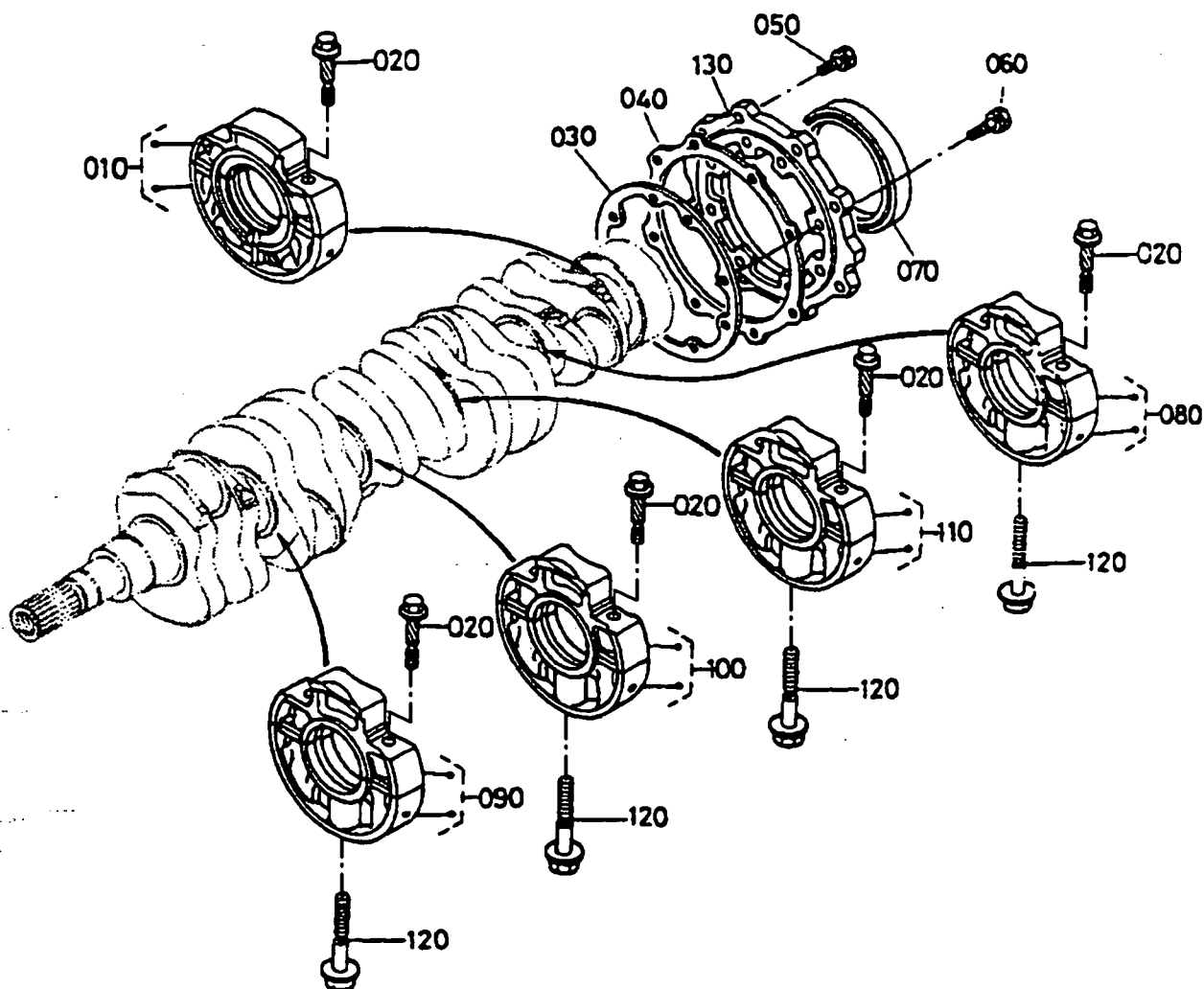
- Parts included in Camshaft Assy.

Piston



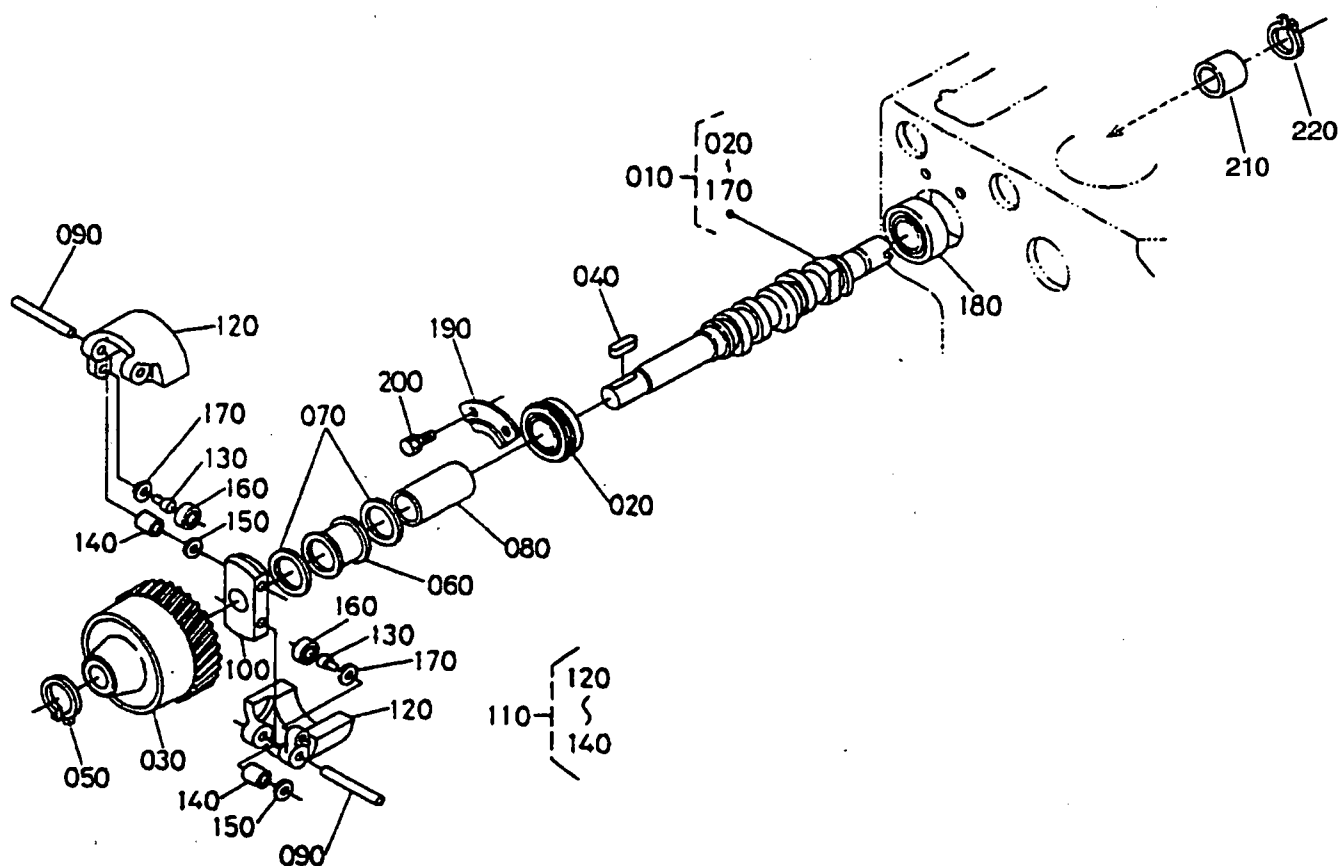
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010			Piston	060	185-6209	5	Bushing
	185-5913	5	Standard	070	185-6771	10	Bolt
	185-6074	5	0.5 mm Oversize	080			Bearing
020			Set, Ring		185-6076	5	Standard
	185-5914	5	Standard		185-5921	5	0.2 mm Undersize
	185-6075	5	0.5 mm Oversize		185-5922	5	0.4 mm Undersize
030	185-5915	5	Pin, Piston				
040	185-5916	10	Ring, Retaining				
050	185-5917	5	Rod Assy, Connecting (Includes Bushing, Bearing and Bolts)				

Main Bearing Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5889	1	Housing, Main Bearing	080	185-5896	1	Housing, Main Bearing
020	185-5890	10	Bolt, Bearing Housing	090	185-5897	1	Housing, Main Bearing
030	185-5891	1	Gasket, Bearing Housing	100	185-5898	1	Housing, Main Bearing
040	185-5893	1	Gasket, Bearing Housing Cover	110	185-6063	1	Housing, Main Bearing
050	185-2403	8	Bolt	120	185-5899	4	Bolt, Bearing Housing
060	185-2404	8	Bolt	130	185-5892	1	Cover, Bearing Housing
070	185-6062	1	Seal, Oil				

Fuel Camshaft

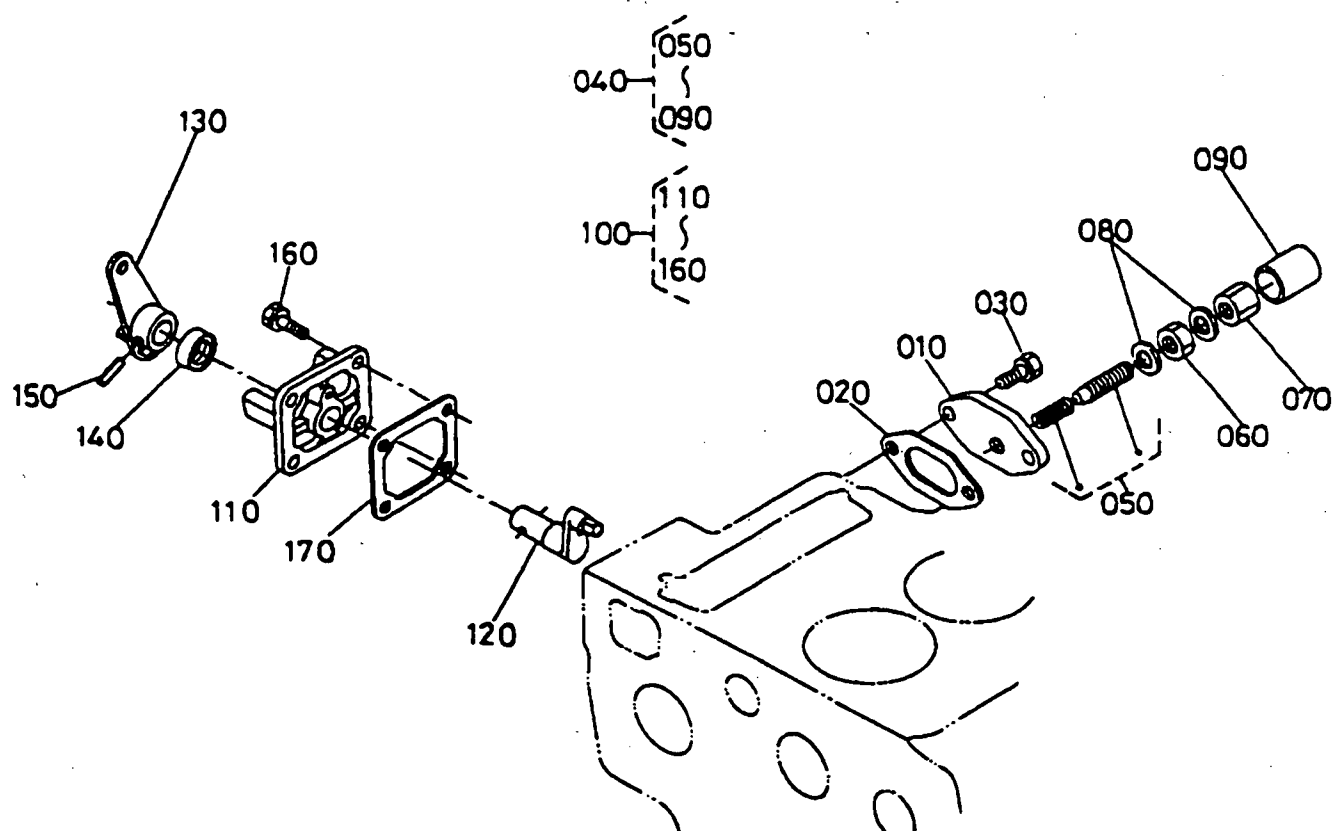


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6211	1	Camshaft Assy, Fuel (Includes Parts Marked #)
020	185-5947	1	#Bearing, Ball
030	185-5948	1	#Gear, Injection Pump
040	185-5949	1	#Key
050	185-5950	1	#Ring, External Retaining
060	185-5951	1	#Sleeve, Governor
070	185-5952	2	#Washer, Thrust
080	185-5953	1	#Collar
090	185-5954	2	#Shaft, Governor Weight
100	185-5955	1	#Holder, Governor Weight
110	185-5956	2	#Weight Assy, Governor (Includes Weight, Pin and Washer)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
120	185-7039	2	Weight, Governor
130	185-5957	2	#Pin, Governor Weight
140	185-5958	4	#Bushing
150	185-5966	4	#Washer, Flat
160	185-5959	2	#Bearing
170	185-5960	2	#Washer
180	185-5961	1	Bearing, Ball
190	185-5962	1	Stopper, Fuel Camshaft
200	185-6956	2	Bolt
210	185-7040	1	Collar
220	185-5963	1	Ring, External Retaining

- Parts Included in Fuel Camshaft Assy.

Engine Stop Lever



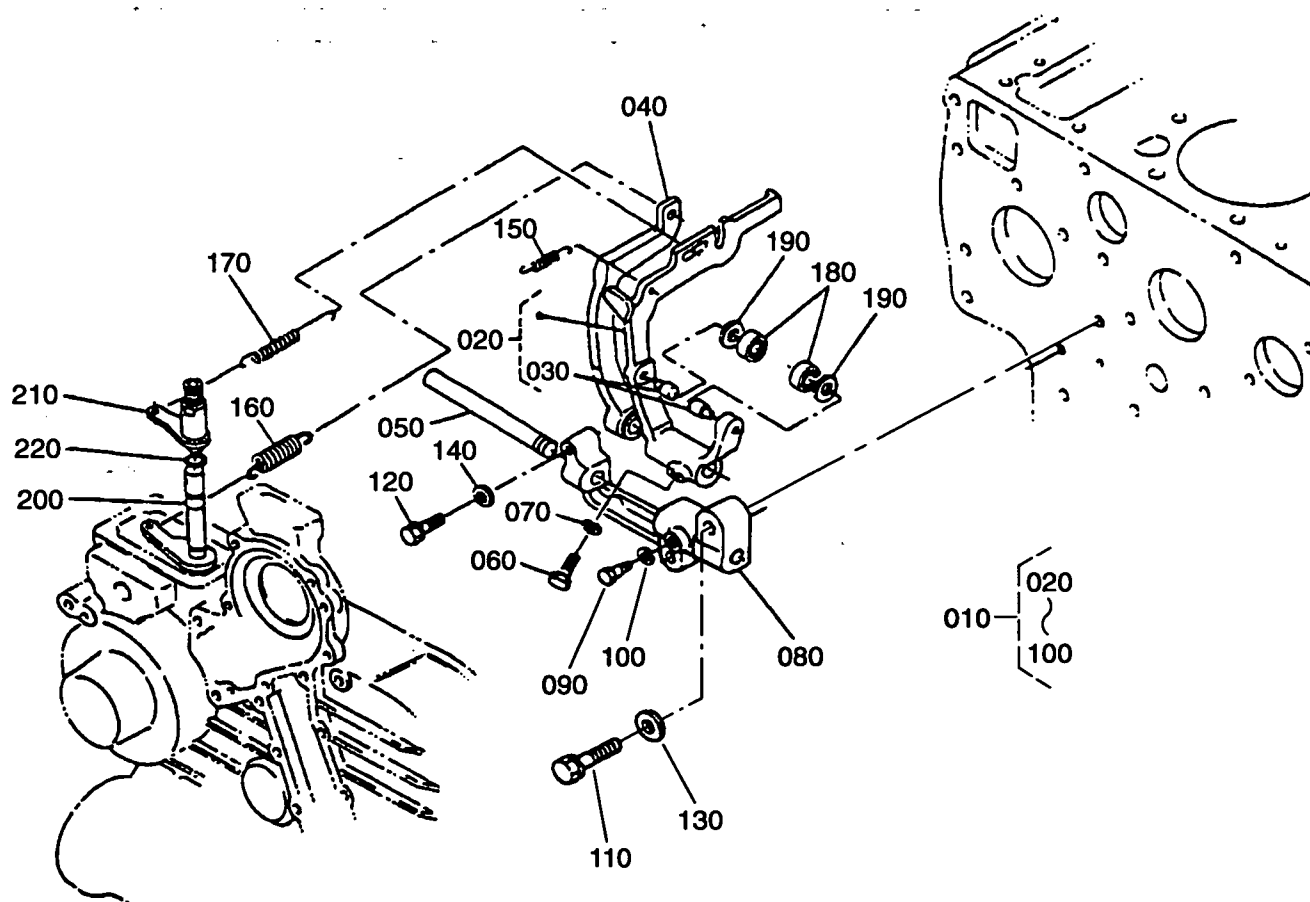
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6213	1	Cover
020	185-7041	1	Gasket
030	185-2388	2	Bolt
040	185-7042	1	Bolt Assy, Adjusting – Governor Adjust (Includes Parts Marked *)
050	185-6774	1	*Bolt, Adjusting
060	185-5969	1	*Nut
070	185-5970	1	*Nut, Cap
080	185-2338	2	*Gasket
090	185-5971	1	*Cap
100	185-6726	1	Lever Assy, Engine Stop (Includes Parts Marked #)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
110	185-6134	1	#Cover, Injection Pump
120	185-6135	1	#Shaft, Lever
130	185-6775	1	#Lever, Engine Stop
140	185-2461	1	#Seal, Oil
150	185-2351	1	#Pin, Spring
160	185-2389	4	#Bolt
170	185-6985	1	Gasket

* – Parts Included in Adjusting Bolt Assy.

– Parts Included in Engine Stop Lever Assy.

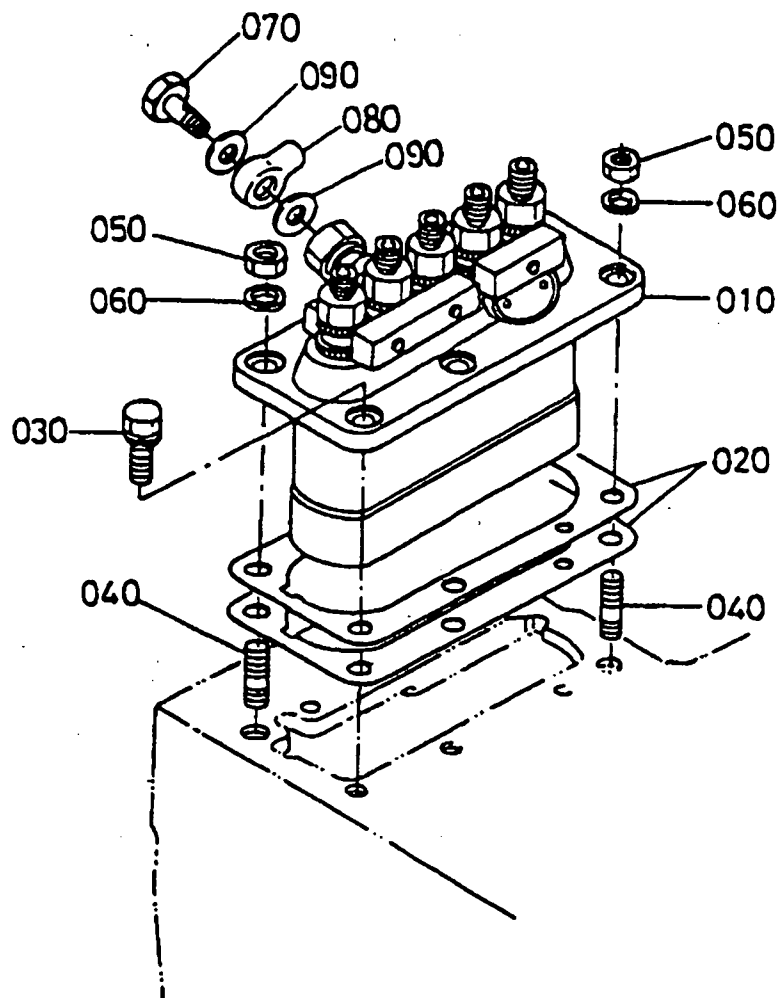
Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6801	1	Lever Assy, Fork (Includes Parts Marked *)	130	740-1006	2	Washer, Flat
020	185-6158	1	*Lever Assy, Fork (Includes Pin)	140	740-1004	1	Washer, Flat
030	185-5957	2	Pin, Governor Weight	150	185-6165	1	Spring, Start
040	185-6779	1	*Lever, Fork	160	185-6799	1	Spring, Governor (No.1)
050	185-6160	1	*Shaft, Fork Lever	170	185-6800	1	Spring, Governor (No.2)
060	185-6161	1	*Bolt	180	185-5959	2	Bearing
070	185-6999	1	*Washer, Spring	190	185-5960	2	Washer
080	185-6780	1	*Holder Assy, Fork Lever (Includes Ball)	200	185-6172	1	Shaft, Lever
090	185-6164	1	*Screw, Set	210	185-6173	1	Lever, Governor
100	185-6163	2	*Washer, Flat	220	185-2347	1	O'Ring
110	185-6781	2	Bolt				
120	185-2392	1	Bolt				

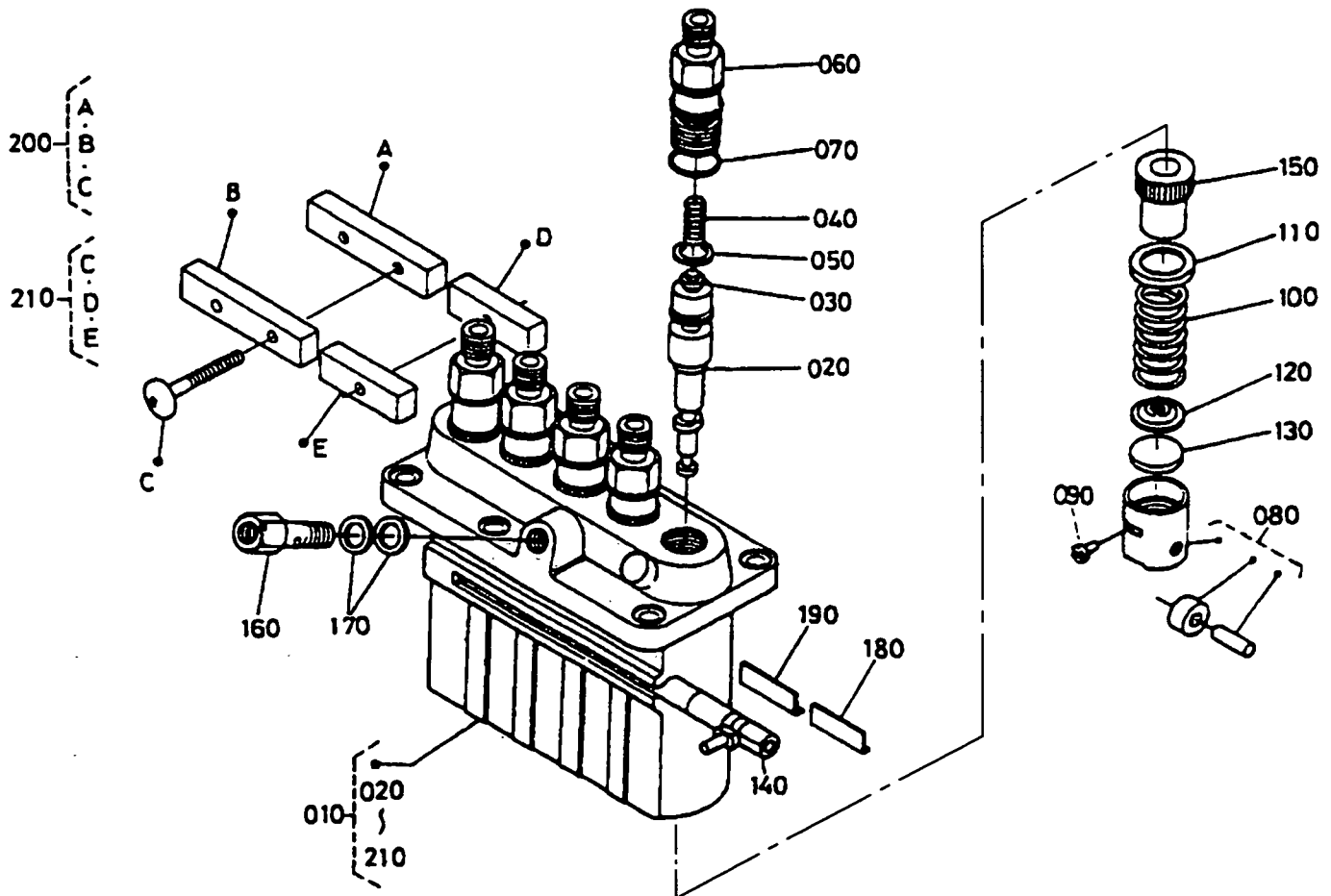
* - Parts Included in Fork Lever Assy.

Injection Pump



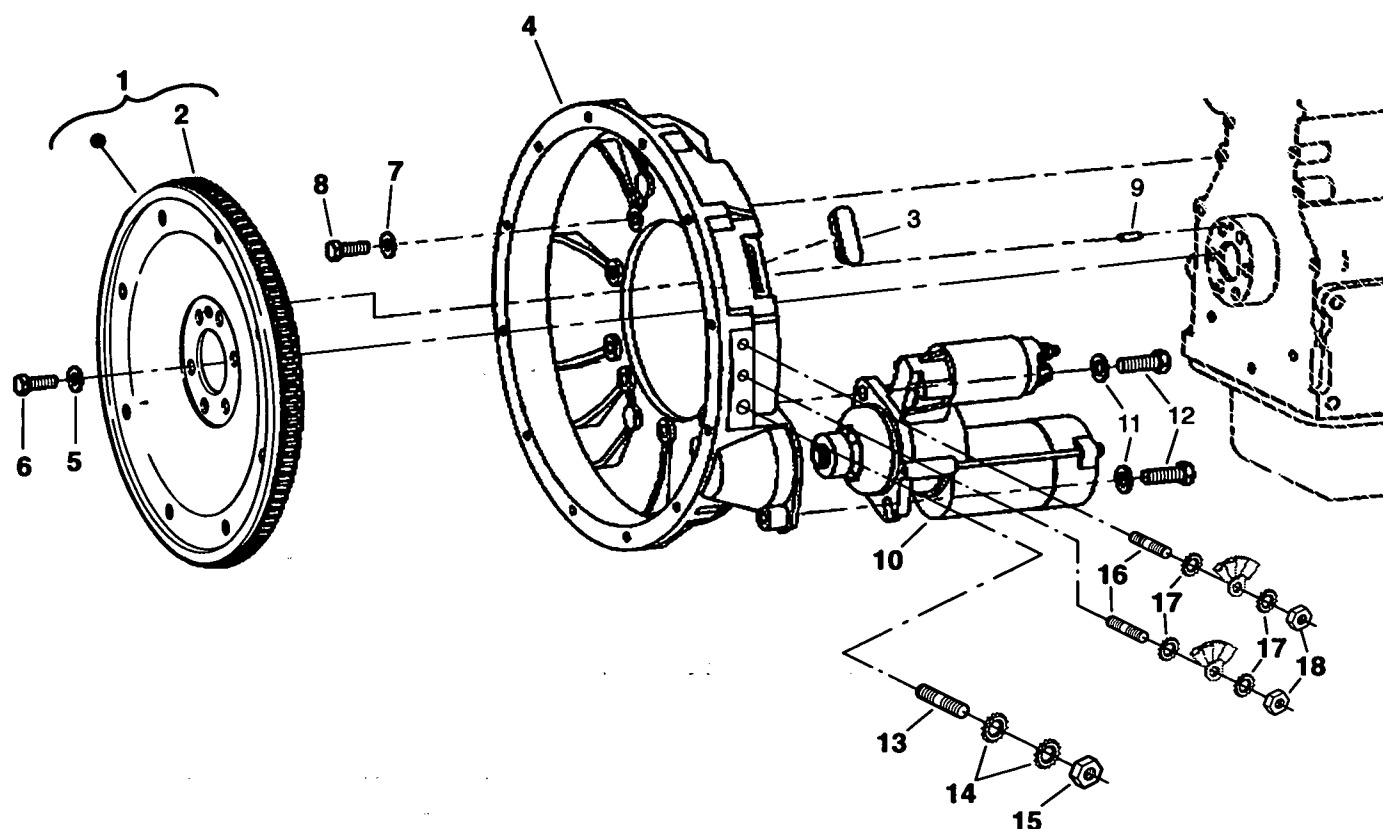
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6798	1	Pump Assy, Injection (See Separate Page for Components)	030	185-2402	4	Bolt
020			Shim	040	185-2362	2	Stud
	185-6796	1	.20mm	050	185-2367	2	Nut
	185-6091	1	.25mm	060	185-6957	2	Washer, Spring
	185-6794	1	.30mm	070	185-7045	1	Screw, Follow
				080	185-6418	1	Joint
				090	120-1221	2	Gasket

Injection Pump Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6798	1	Pump Assy, Injection	120	185-6778	5	Seat, Lower Spring
020	185-6216	5	Plunger, Pump	130	185-6151	5	Shim
030	185-6217	5	Valve, Delivery	140	185-6219	1	Rack, Control
040	185-6218	5	Spring, Delivery Valve	150	185-6152	5	Sleeve, Control
050	185-6993	5	Gasket, Delivery Valve	160	185-6153	1	Screw, Hollow
060	185-6142	5	Holder, Delivery Valve	170	185-6154	2	Gasket
070	185-6155	5	O'Ring	180	185-6146	1	Plate
080	185-6144	5	Tappet Assy	190	185-6994	1	Plate
090	185-6145	5	Pin, Tappet Guide	200	185-6143	1	Plate Assy, Lock
100	185-6147	5	Spring, Plunger	210	185-6220	1	Plate Assy, Lock
110	185-6148	5	Seat, Upper Spring				

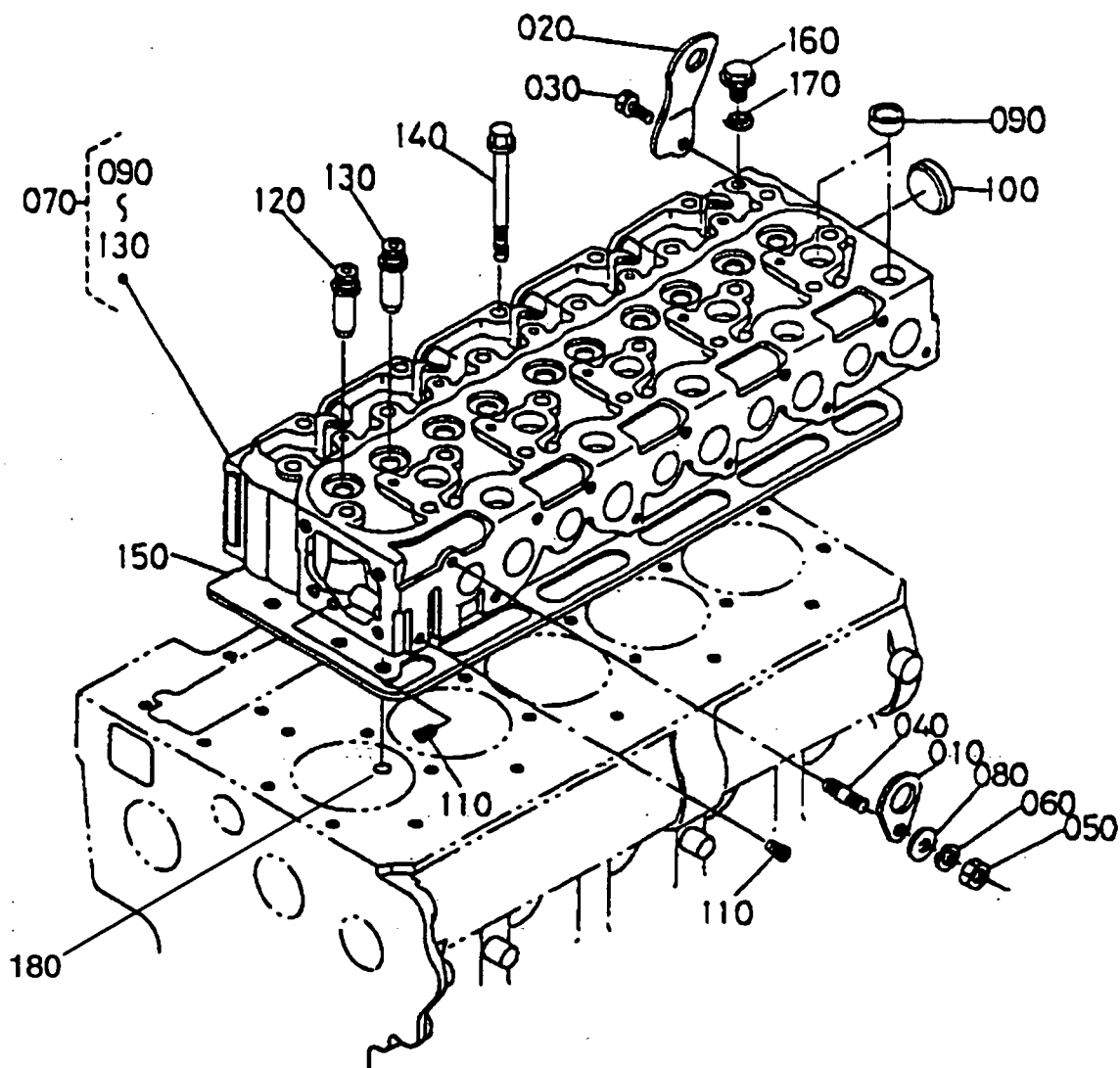
Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-1927	1	Flywheel Assy (Includes Ring Gear)
2	104-1666	1	Gear, Ring
3	101-0811	1	Plug, Hole
4	101-0821	1	Adapter, Engine
5	526-0145	6	Washer, Flat (M12)
6	800-3032	6	Screw, Hex Head Cap (M12 x 1.25 x 30mm)
7	526-0029	11	Washer, Flat (M10)
8	800-3005	11	Screw, Hex Head Cap (M10 x 1.25 x 30mm)
9	775-0061	1	Pin, Parallel Hard
10			Starter (See Separate Page for Components)
	191-1959	1	12V
	191-1550	1	24V

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	526-2140	2	Washer, Flat (M12)
12	800-2113	2	Screw, Hex Head Cap (M12 x 1.75 x 35mm)
13	520-1006	1	Stud, Stainless Steel
14	856-0008	2	Washer, EIT Lock (5/16")
15	871-0025	1	Nut, Hex Brass (5/16-18)
16	520-1005	2	Stud, Stainless Steel
17	856-0006	4	Washer, EIT Lock (1/4)
18	871-0015	2	Nut, Hex Brass (1/4-20)

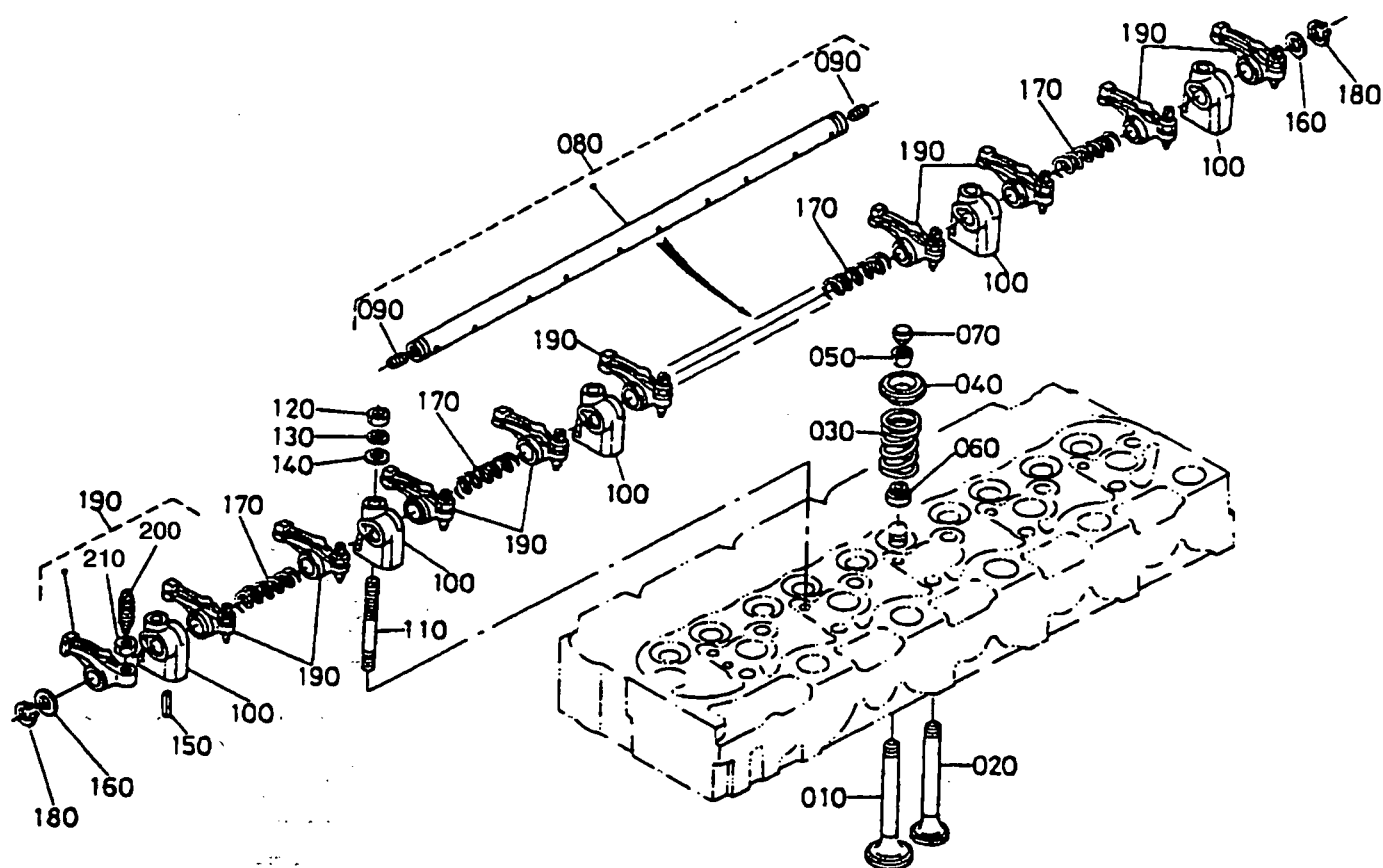
Cylinder Head



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2414	1	Hook, Engine	110	185-2188	2	#Plug
020	185-5859	1	Hook, Engine	120	185-5862	5	#Guide, Inlet Valve
030	185-6762	1	Bolt	130	185-5863	5	#Guide, Exhaust Valve
040	185-6048	1	Stud	140	185-5865	22	Bolt, Cylinder Head
050	185-2367	1	Nut	150	185-6050	1	Gasket, Cylinder Head
060	185-6957	1	Washer, Spring	160	185-5867	1	Plug
070	185-6049	1	Head Assy, Cylinder (Includes Parts Marked #)	170	185-5868	1	Washer (with Rubber)
080	740-1006	1	Washer, Flat	180	185-2095	1	O'Ring
090	185-5861	15	#Cap, Sealing				
100	185-2412	1	#Cap, Sealing				

- Parts Included in Cylinder Head Assy.

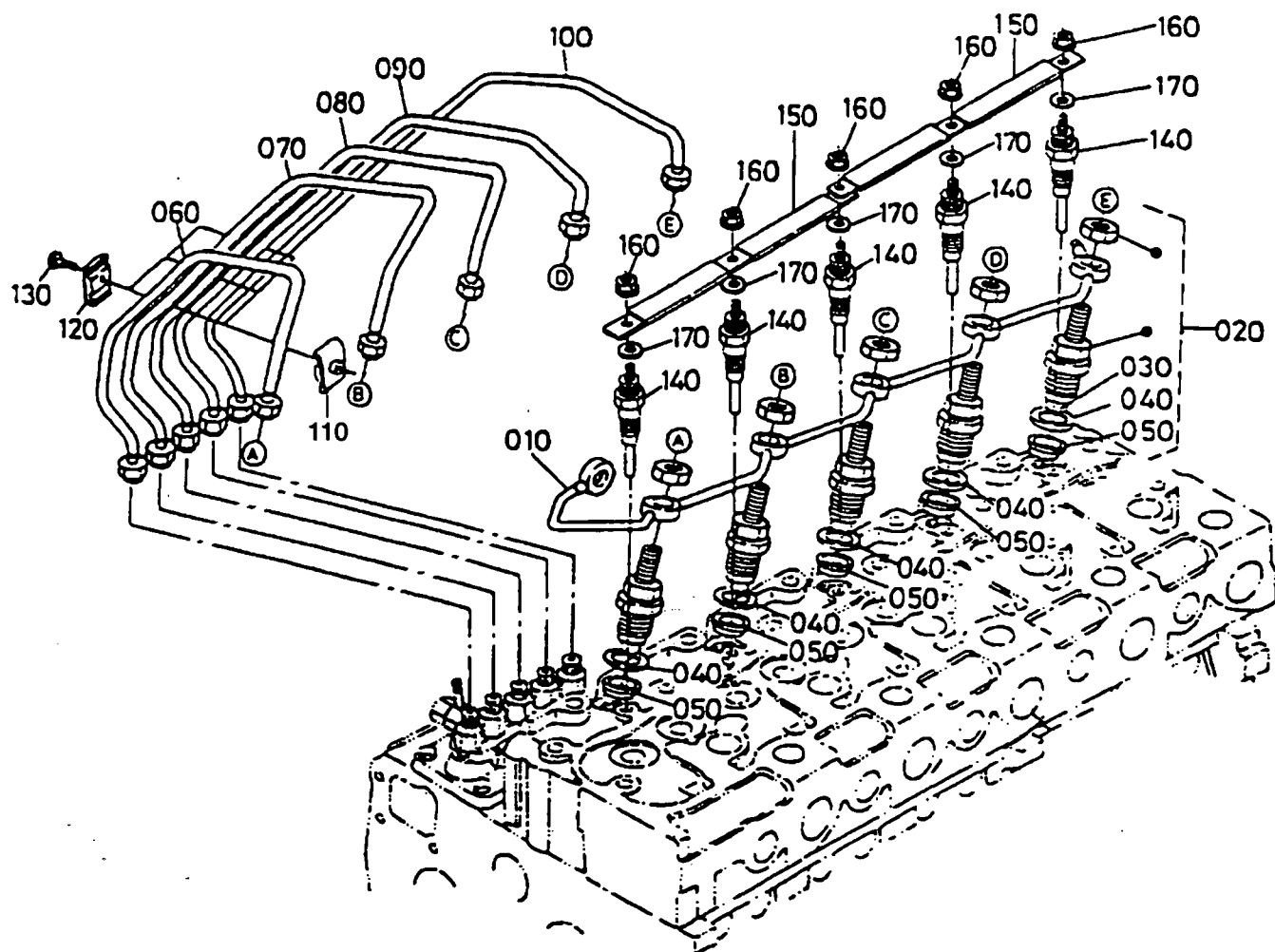
Rocker Arm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6107	5	Valve, Inlet
020	185-6108	5	Valve, Exhaust
030	185-6016	10	Spring, Valve
040	185-6017	10	Retainer, Valve Spring
050	110-2752	10	Collet, Valve Spring
060	185-6018	10	Seal, Valve Stem
070	185-6019	10	Cap, Valve
080	185-7063	1	Shaft Assy, Rocker Arm (Includes Set Screws)
090	185-6242	2	Screw, Set
100	185-6022	5	Bracket, Rocker Arm
110	185-6023	5	Stud

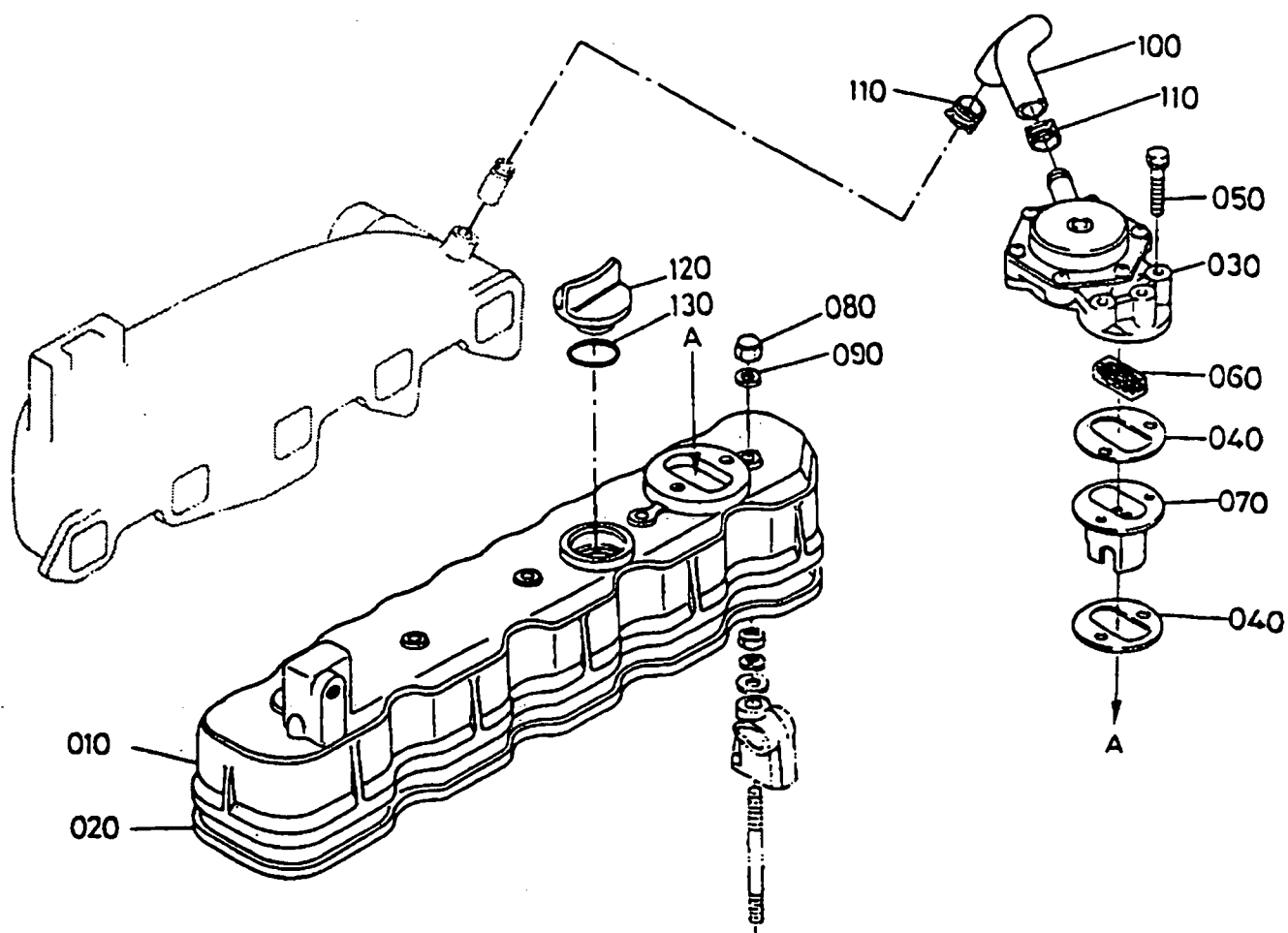
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
120	185-2367	5	Nut
130	185-6957	5	Washer, Spring
140	740-1006	5	Washer, Flat
150	185-6789	1	Pin, Spring
160	185-6025	2	Washer
170	185-6026	4	Spring, Rocker Arm
180	185-6027	2	Ring, External Retaining
190	185-6028	10	Arm Assy, Rocker (Includes Screw and Nut)
200	185-6029	10	Screw, Adjusting
210	185-6030	10	Nut

Nozzle Holder and Glow Plug



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-7050	1	Pipe, Overflow	140			Plug, Glow
020	185-6094	5	Holder Assy, Nozzle (Includes Nozzle, Gasket and Heat Seal	185-5990	5		12V
030	185-6095	5	Nozzle	185-6725	5		24V
040	185-5337	5	Gasket	150	185-6225	2	Cord, Glow Plug
050	185-5985	5	Seal, Heat	160	185-5615	5	Nut, Flange
060	185-6096	1	Pipe, Injection	170	185-7004	5	Washer, Flat
070	185-6097	1	Pipe, Injection	180	502-1245	1	Adapter, Pipe
080	185-6098	1	Pipe, Injection	190	502-0005	1	Elbow, Inverted Female
090	185-6099	1	Pipe, Injection	200	149-2488	1	Line, Fuel Return
100	185-6100	1	Pipe, Injection	210	502-0003	1	Connector, Inverted Male
110	185-5612	5	Clamp, Pipe	220	149-2489-03	1	Support, Fuel Return
120	185-2345	5	Clamp, Pipe	230	502-1244	1	Coupling, Anchor
130	185-2385	5	Screw (With Washer)	240	502-0020	1	Elbow, Street Pipe

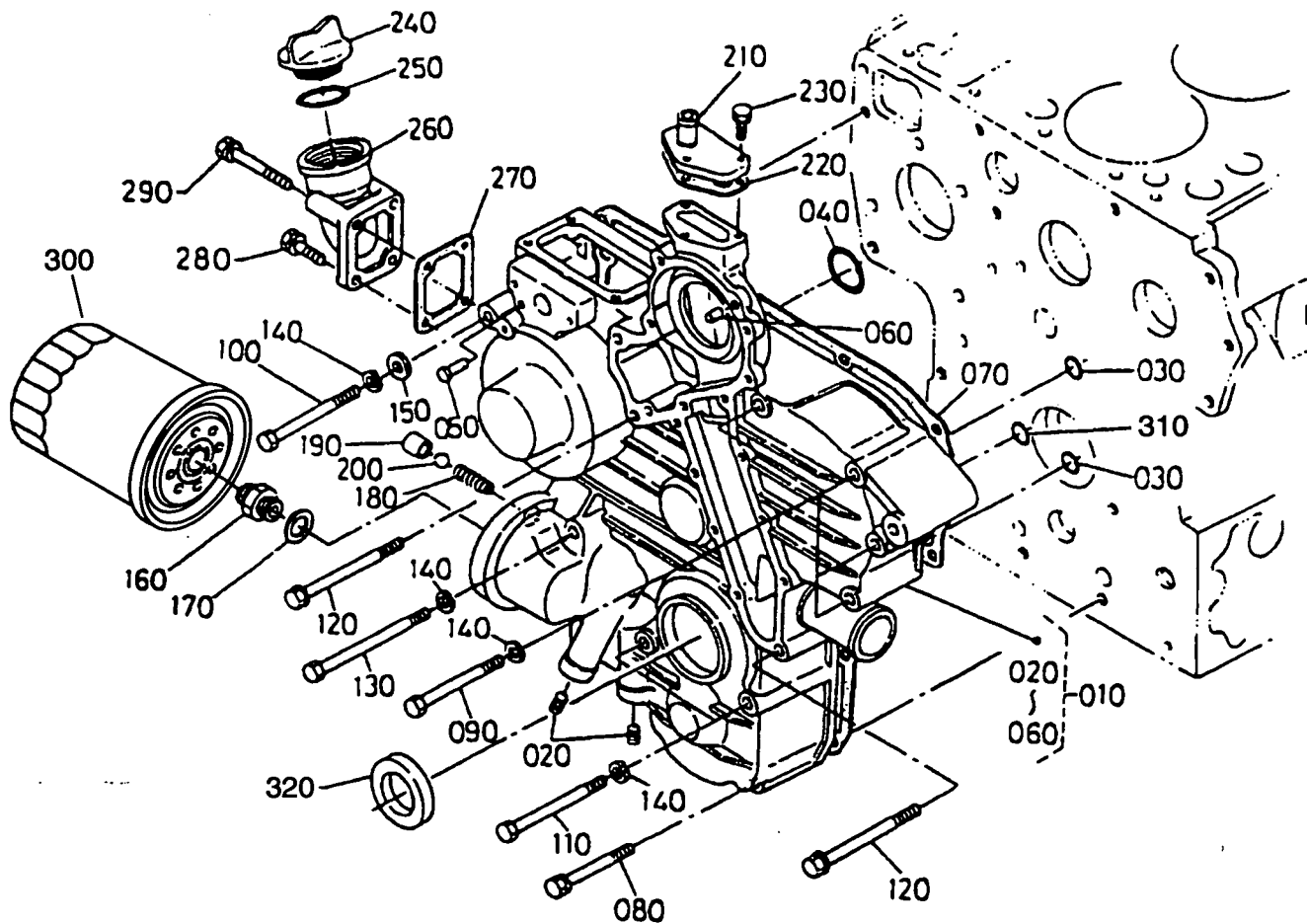
Cylinder Head Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6804	1	Cover, Cylinder Head
020	185-6054	1	Gasket, Cover
030	185-6720	1	Breather
040	185-6967	2	Gasket
050	718-1040	2	Bolt
060	185-6721	1	Element, Breather
070	185-6718	1	Plate

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
080	185-5888	5	Nut, Cap
090	185-2338	5	Gasket
100	185-6719	1	Tube, Breather
110	185-6722	2	Clamp
120	185-5407	1	Cover, Oil Fill
130	185-2349	1	O'Ring

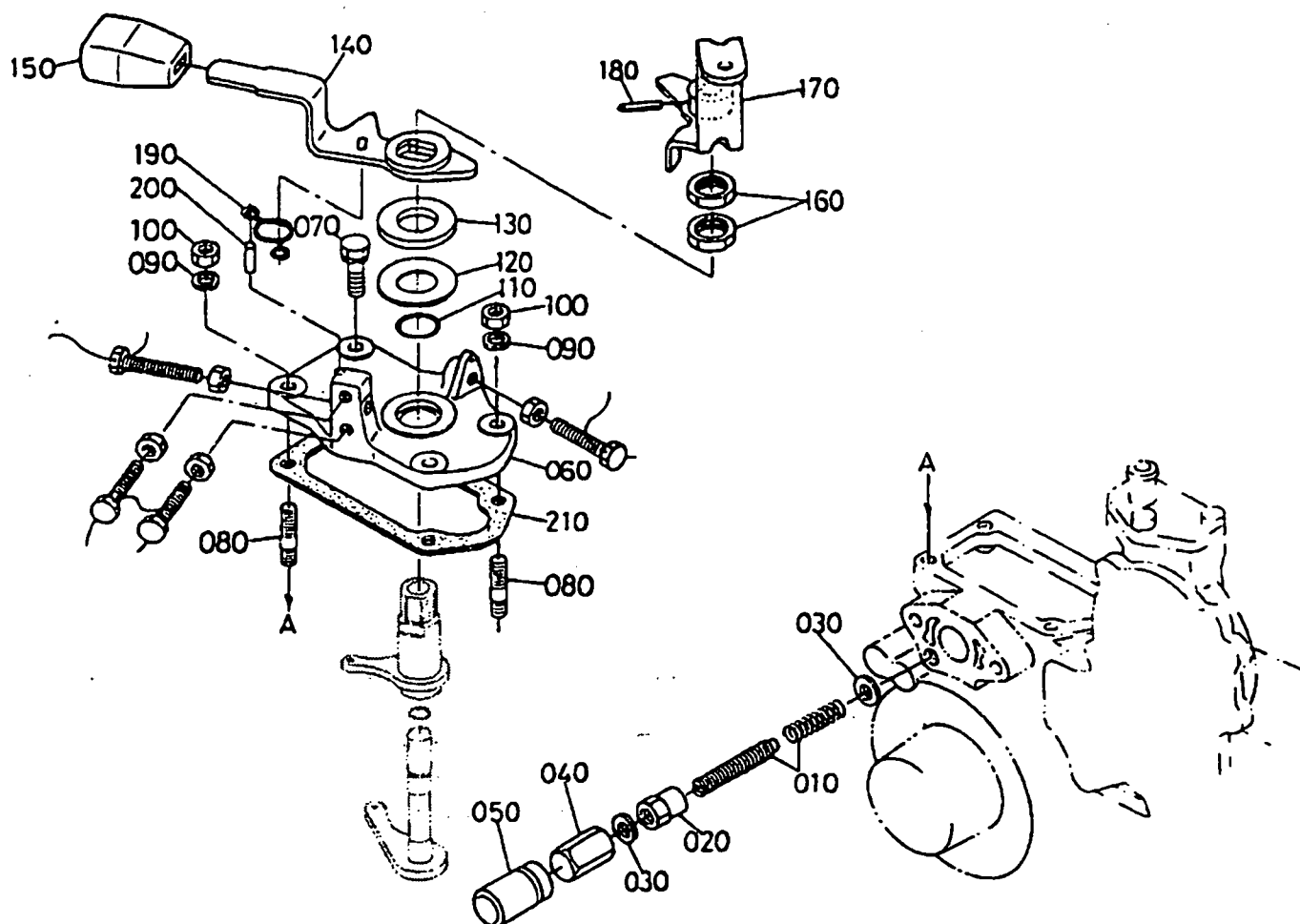
Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6712	1	Gearcase Assy (Includes Parts Marked *)	180	185-5877	1	Spring
020	185-5505	2	*Plug	190	185-5878	1	Seat, Valve
030	185-5869	2	*O'Ring	200	185-6711	1	Ball
040	185-5870	1	*O'Ring	210	185-5879	1	Flange, Water Return
050	185-6197	1	*Pin, Start Spring	220	185-5880	1	Gasket
060	185-5843	2	*Pin, Straight	230	185-2390	3	Bolt
070	185-6960	1	Gasket, Gearcover	240	185-5407	1	Cover, Oil Fill
080	185-2405	2	Bolt	250	185-2349	1	O'Ring
090	185-5443	5	Bolt	260	185-6124	1	Flange, Oil Fill
100	185-5872	1	Bolt	270	185-6125	1	Gasket
110	185-5873	2	Bolt	280	185-2389	2	Bolt (Bottom)
120	185-5874	3	Bolt	290	185-5833	2	Bolt (Top)
130	185-6078	2	Bolt	300	122-0810	1	Filter, Oil
140	185-6957	10	Washer, Spring	310	185-5126	1	O'Ring
150	185-2777	1	Washer, Flat	320	185-6204	1	Seal, Oil
160	185-5875	1	Joint, Pipe				
170	185-5876	1	Washer, Flat				

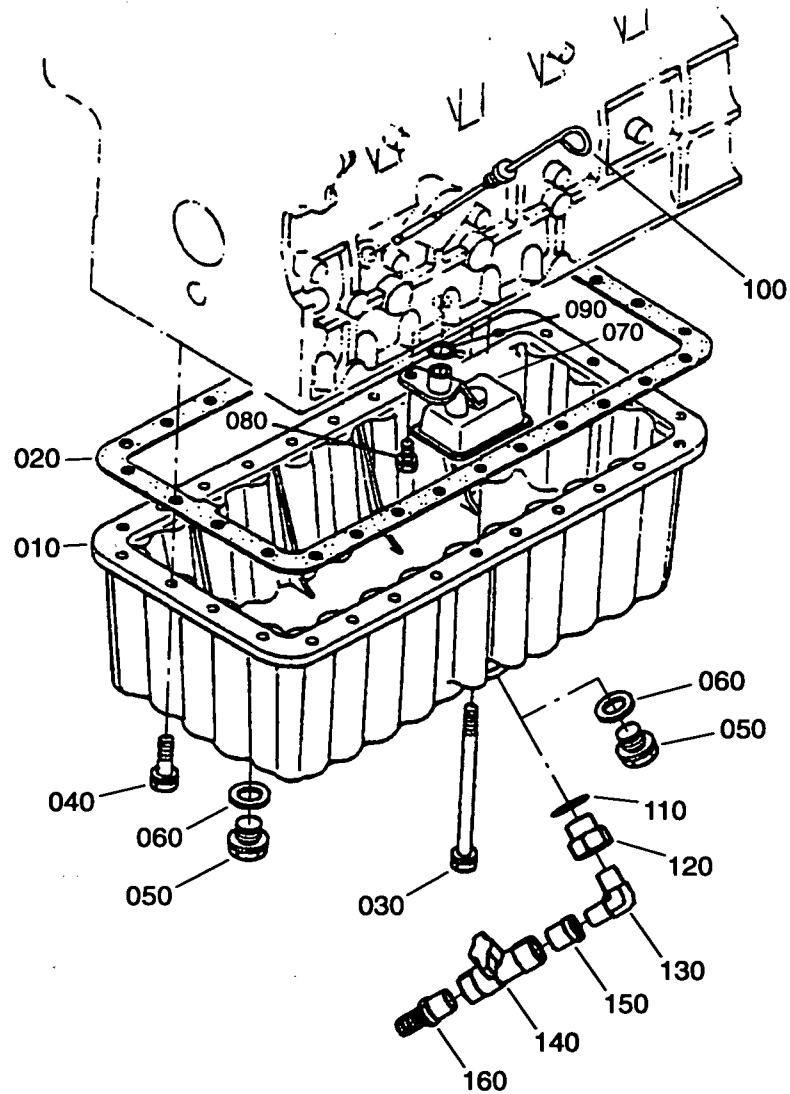
* - Parts Included in Gearcase Assy.

Speed Control



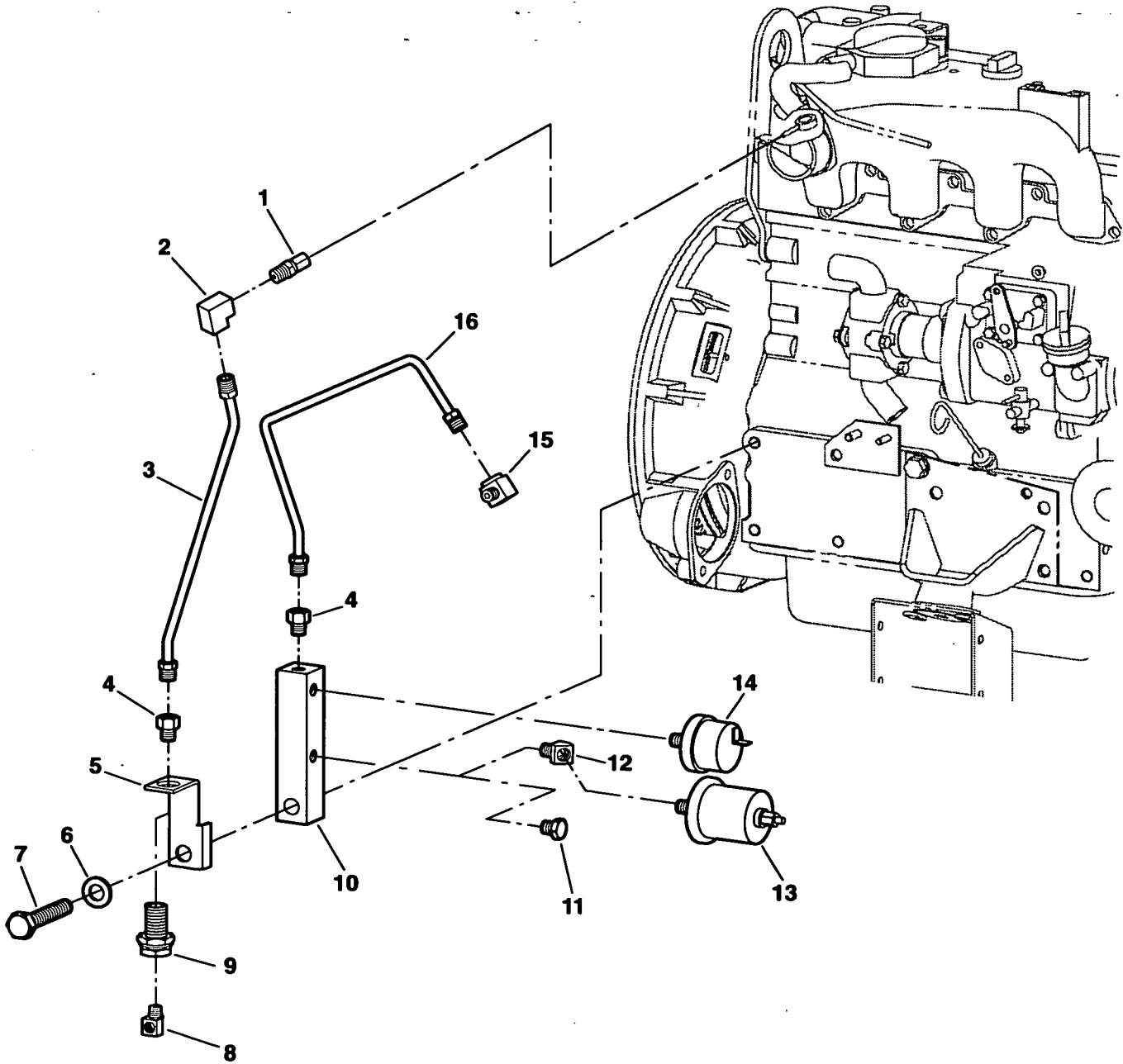
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6168	1	Bolt, Adjusting - Maximum Fuel Stop	110	185-5691	1	O'Ring
020	185-6169	1	Nut	120	185-3397	1	Shim (0.50 mm)
030	185-2284	2	Gasket	130	185-6174	1	Collar
040	185-5529	1	Nut, Cap	140	185-6175	1	Lever
050	185-2283	1	Cap	150	185-6176	1	Grip, Lever
060	185-6171	1	Plate, Speed Control	160	185-5693	2	Nut
070	185-2390	2	Bolt	170	185-7048	1	Lever, Speed Control
080	185-2105	2	Stud	180	185-5696	1	Pin, Spring
090	185-6759	2	Washer, Spring	190	185-6178	1	Pin, Straight
100	185-4255	6	Nut	210	185-6180	1	Gasket

Oil Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6195	1	Pan, Oil	090	509-0254	1	O'Ring
020	185-6044	1	Gasket	100	185-6061	1	Indicator, Oil Level
030	185-6045	2	Bolt	110	526-0329	1	Washer, Oil Drain (7/8")
040	185-5476	26	Bolt	120	102-1448-02	1	Adapter, Oil Drain
050	185-6929	3	Plug	130	502-1273	1	Elbow, Pipe
060	185-5495	3	Gasket	140	504-0011	1	Valve, Shutoff
070	185-6047	1	Tube, Oil Pickup	150	502-0819	1	Bushing, Reducer
080	185-6980	1	Bolt	160	502-1006	1	Fitting, Hose Barb

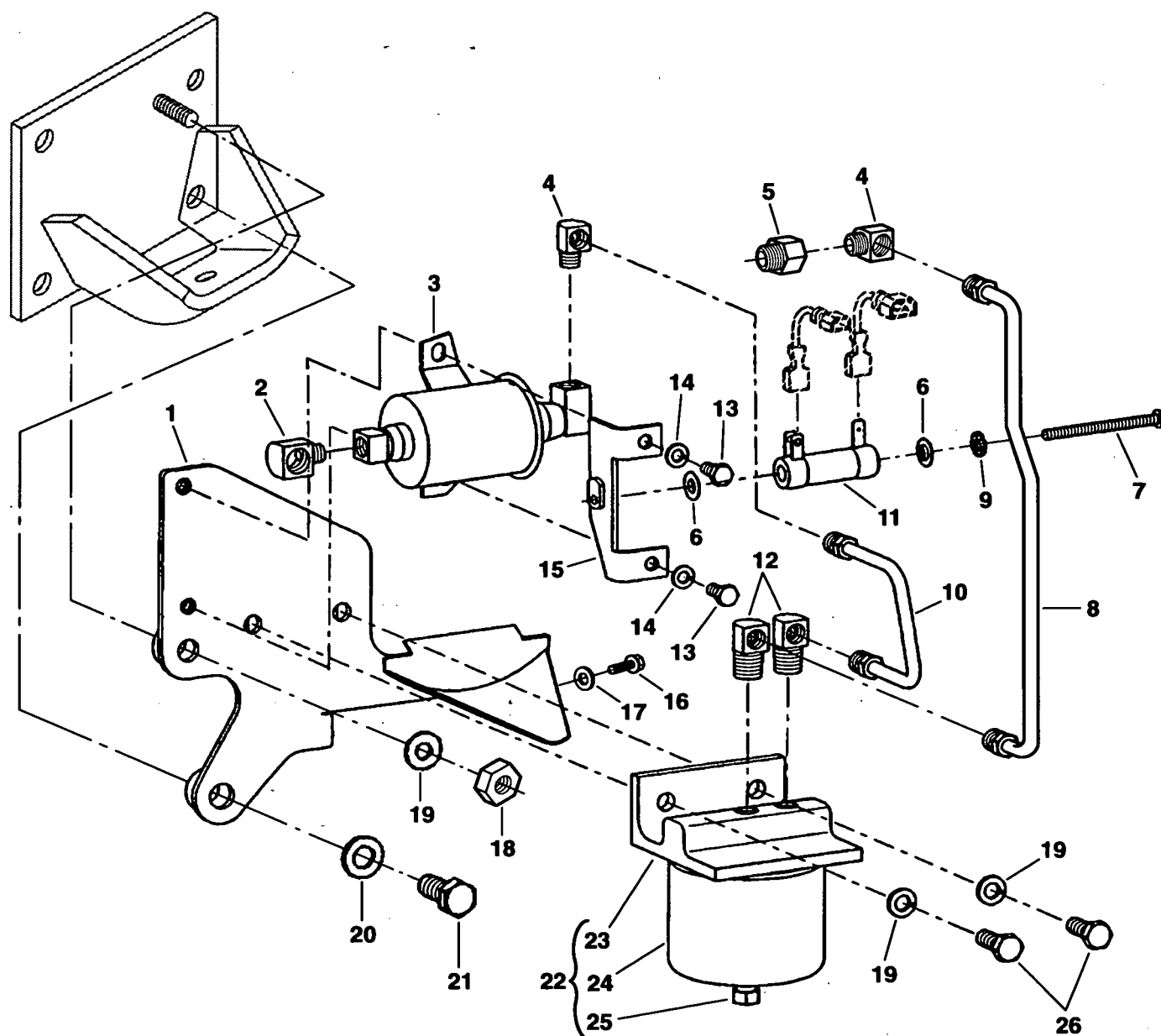
Fuel Return/Oil Sender



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1245	1	Adapter, Pipe
2	502-0005	1	Elbow, Inverted Female
3	149-2488	1	Line, Fuel Return
4	502-0003	2	Connector, Inverted Male
5	149-2489-03	1	Support, Fuel Return
6	526-2140	1	Washer, Flat (M12)
7	800-3029	1	Screw, Hex Head Cap (M12 x 1.25 x 45mm)
8	502-0020	1	Elbow, Street Pipe

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	502-1244	1	Coupling, Anchor
10	120-1319	1	Manifold, Oil Pressure
11	502-0028	1	Plug, Hex Head Pipe
12	502-0053	1	Elbow, Street Pipe 45°
13	193-0244	1	Sender, Oil Pressure (E1)
14	309-0561-05	1	Switch, Oil Pressure (S4)
15	502-1211	1	Elbow, Male
16	122-0813	1	Line, Oil

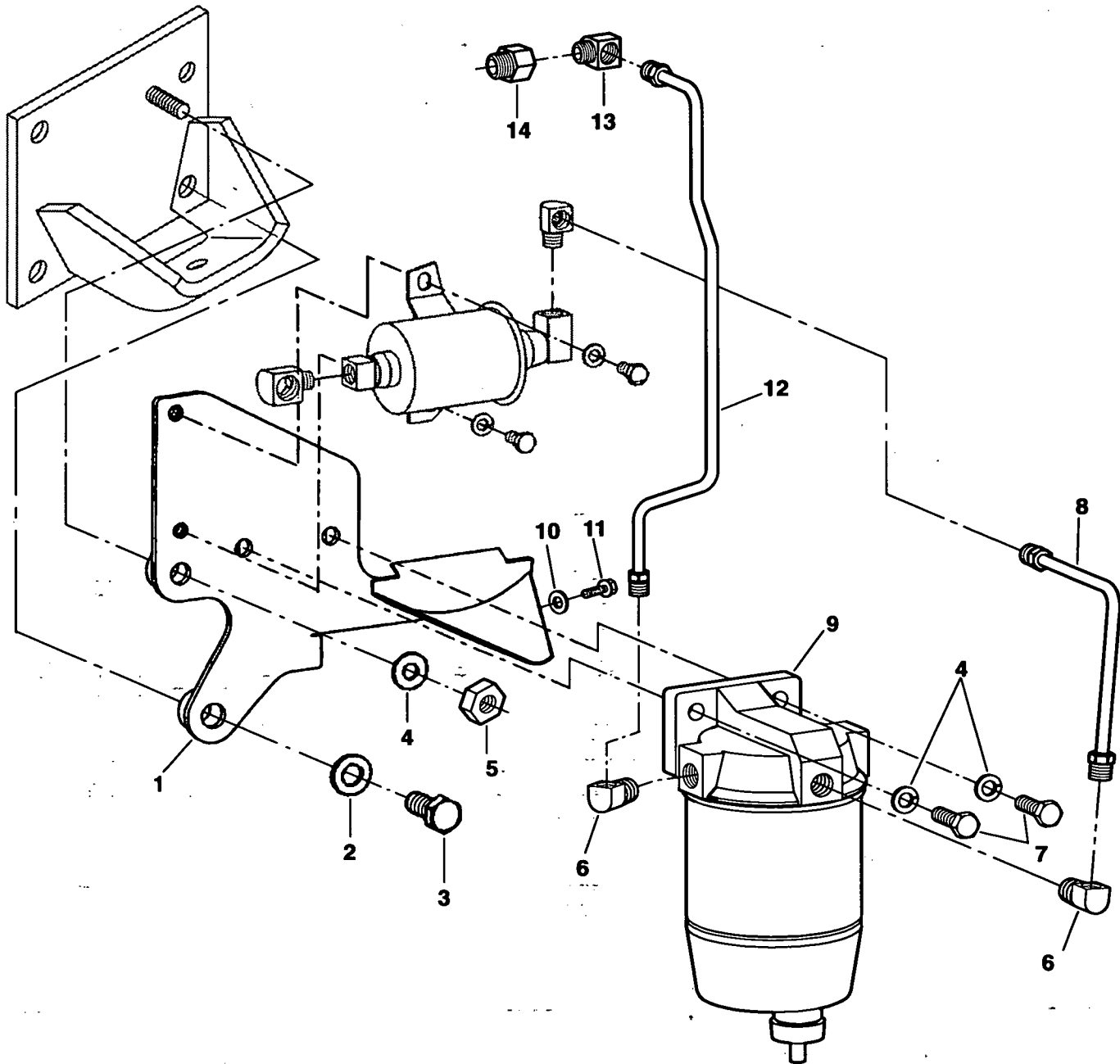
Fuel Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2531-04	1	Bracket, Fuel Pump
2	502-0099	1	Elbow, Street Pipe
3	149-2331-01	1	Pump, Electric Fuel (E5)
4	502-0002	1	Elbow, Inverted Male
5	502-0175	1	Adapter, Pipe
6	304-0796	2	Washer, Centering (3/16") (24V)
7	813-0112	1	Screw, Round Head Machine (#10-32 x 2.5") (24V)
8	149-2437	1	Line, Fuel
9	856-0003	1	Washer, EIT (#10) (24V)
10	149-2436	1	Line, Fuel
11	304-0797	1	Resistor (R6) (24V)
12	502-0041	2	Elbow, Inverted Male
13	718-1019	2	Screw, Hex Head Cap (M6 x 1 x 14mm)
14	850-2006	2	Washer, Lock (M6)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
15	304-0828-02	1	Bracket, Resistor (24V)
16	800-3030	1	Screw, Hex Head Cap (M10 x 1.25 x 20mm)
17	526-2133	1	Washer, Rocker Ball (#10)
18	860-2008	1	Nut (M8 x 1.25mm)
19	850-2008	3	Washer, Flat (M8)
20	526-2140	1	Washer, Flat (M12)
21	800-3032	1	Screw, Hex Head Cap (M12 x 1.25 x 30mm)
22	149-2100-01	1	Filter, Fuel (Includes Element Aluminum Base and Plug)
23	149-2235	1	Base, Aluminum
24	149-2106	1	Element, Fuel Filter
25	502-0028	1	Plug, Fuel Filter Drain
26	718-1036	2	Screw, Hex Head Cap (M8 x 1.25 x 20mm)

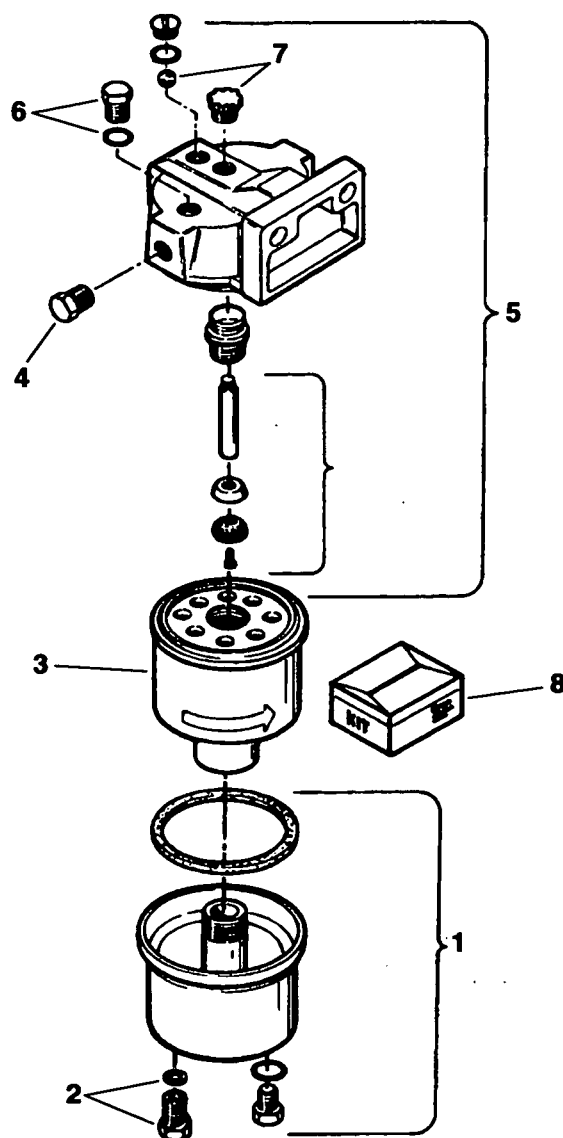
Fuel/Water Separator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2435-03	1	Bracket, Fuel Pump
2	526-2140	1	Washer, Flat (M12)
3	800-3032	1	Screw, Hex Head Cap (M12 x 1.25 x 30mm)
4	850-2008	3	Washer, Flat (M8)
5	860-2008	1	Nut (M8 x 1.25mm)
6	502-0041	2	Elbow, Inverted Male
7	800-2058	2	Screw, Hex Head Cap (M8 x 25mm)
8	149-2487	1	Line, Fuel

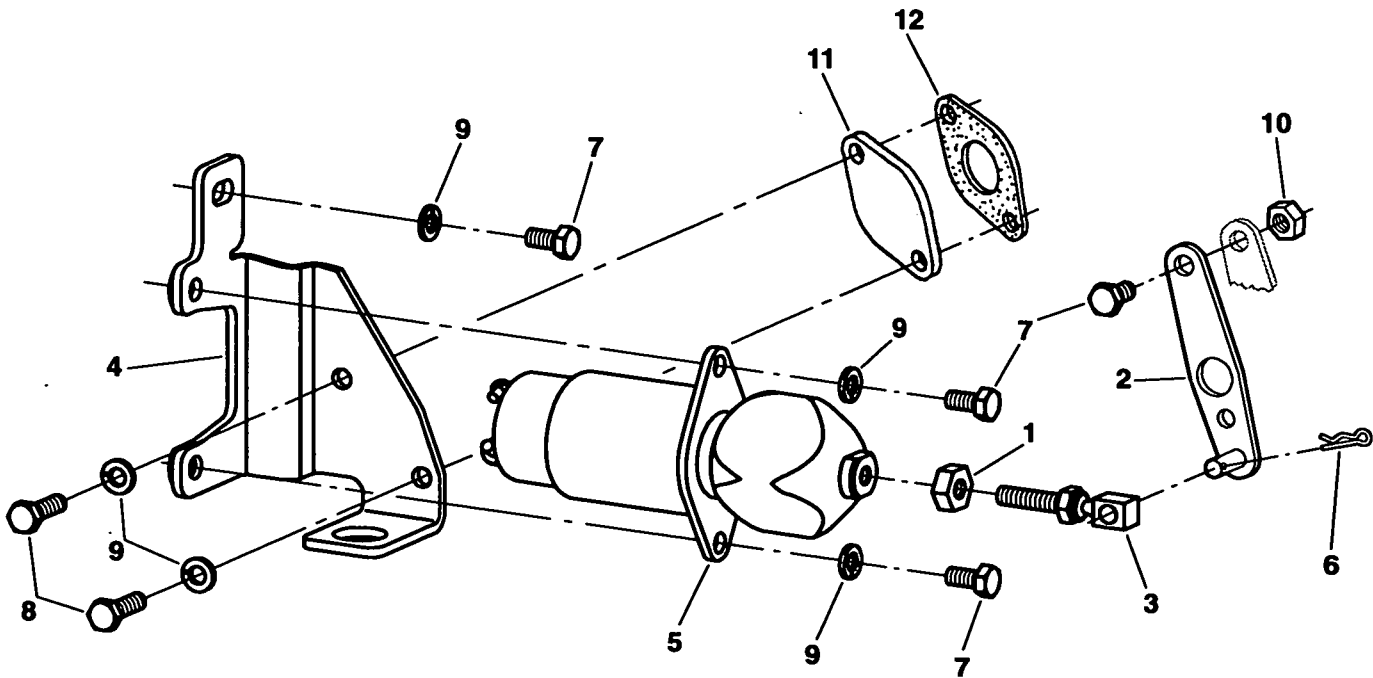
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	149-1908-07	1	Separator, Fuel/Water (See Separate Page for Components)
10	526-2133	1	Washer, Rocker Ball (#10)
11	800-3030	1	Screw, Hex Head Cap (M10 x 1.25 x 20mm)
12	149-2490	1	Line, Fuel
13	502-0002	1	Elbow, Inverted Male
14	502-0175	1	Adapter, Pipe

Fuel/Water Separator Components



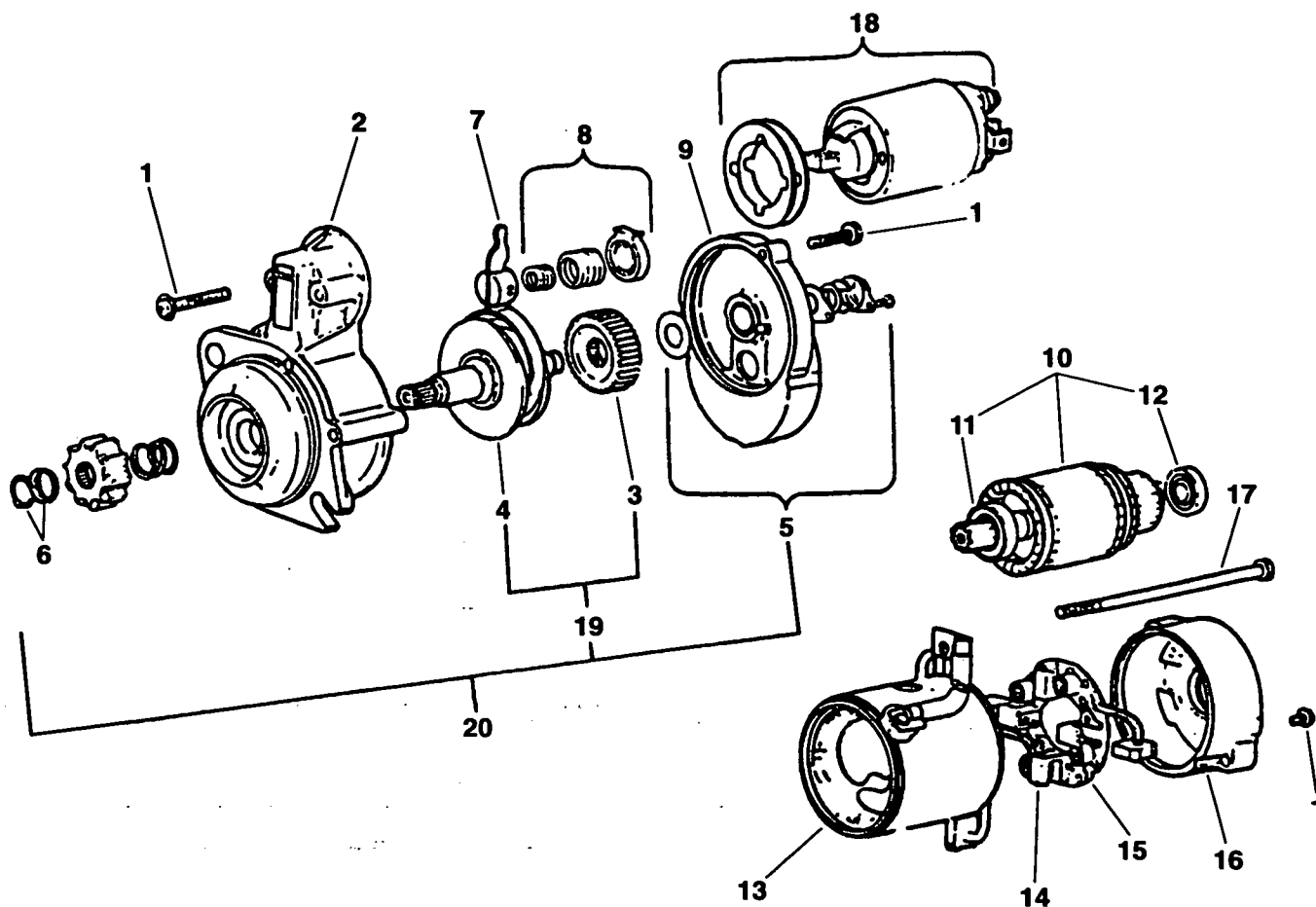
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149-1908-07	1	Separator, Water	6	149-1952	1	Plug, Vent (Includes O-Ring)
1	149-2046	1	Kit, Metal Bowl Replacement (Includes Plug, O-Rings and Drain Assy)	7	149-2047	1	Pump Assy (Includes Plunger, Retainer, Shaft, Check 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	149-1914-05	1	Element (Includes Seals)				
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	115-0025	1	Nut, Tappet (1/4-28)	7	800-2029	4	Screw, Hex Head Cap (M6 x 1 x 12mm)
2	150-2567-03	1	Lever, Stop	8	800-2034	2	Screw, Hex Head Cap (M6 x 1 x 20mm)
3	150-2579	1	Swivel, Ball Joint	9	850-2006	5	Washer, Lock (M6)
4	307-2808-02	1	Bracket, Solenoid	10	870-2054	1	Nut, Lock Flange (M6 x 1)
5			Solenoid, Stop (K7)	11	185-6784	1	Cover, Hole
	307-2820	1	12V	12	185-2125	1	Gasket, Hole Cover
	307-2820-01	1	24V				
6	518-0656	1	Clip, Linkage				

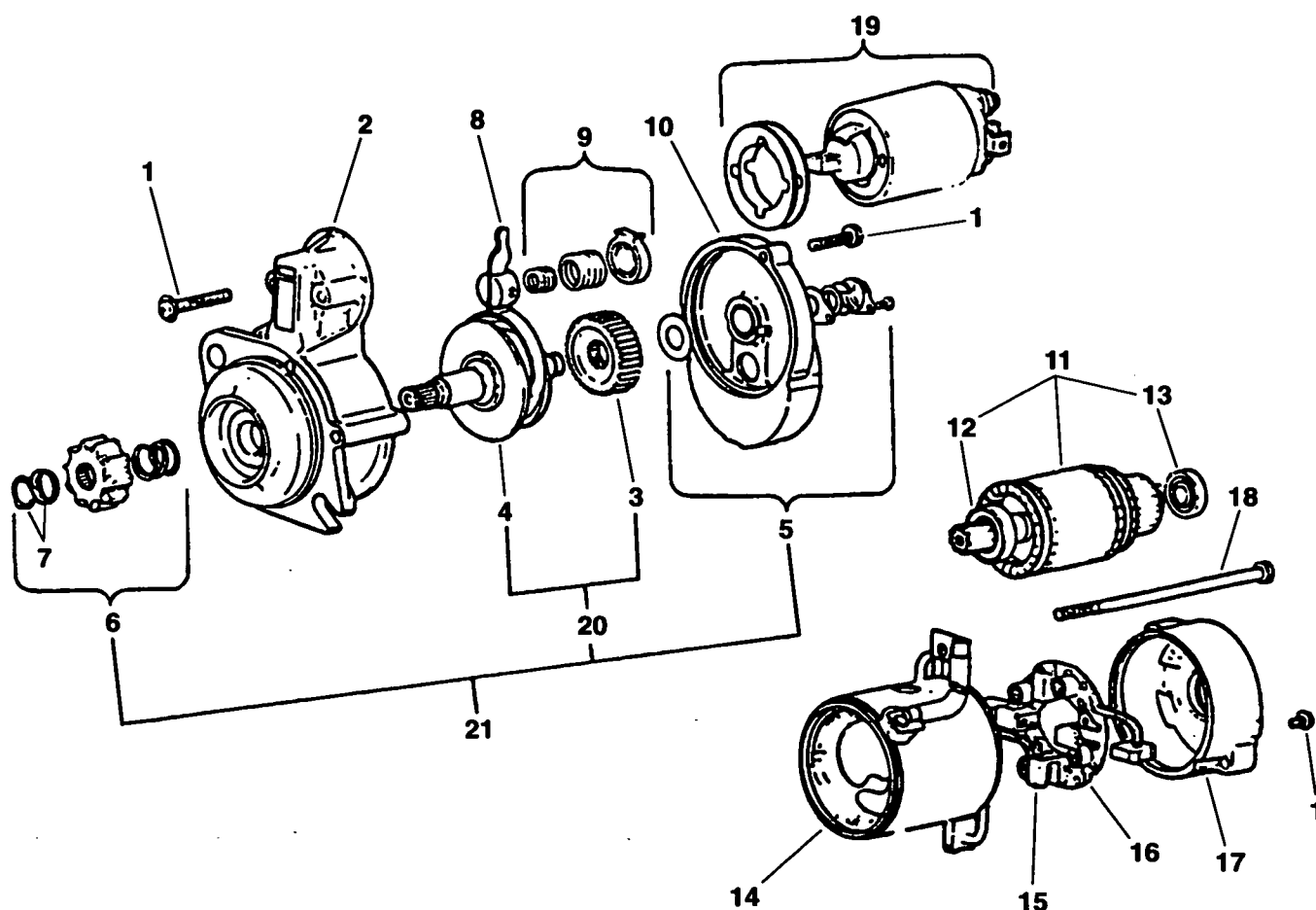
Starter Components (12V)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1959	1	Starter
1	191-1450	1	Set, Screw
2	191-1449	1	Bracket Assy, Front
3	191-1446	1	Gear
4	191-1445	1	Drive Assy
5	191-1444	1	Cover Assy
6	191-1442	1	Stopper, Set
7	191-1441	1	Lever Assy
8	191-1991	1	Spring, Set
9	191-1439	1	Bracket Assy, Center
10	191-1438	1	Armature (Includes Bearings)

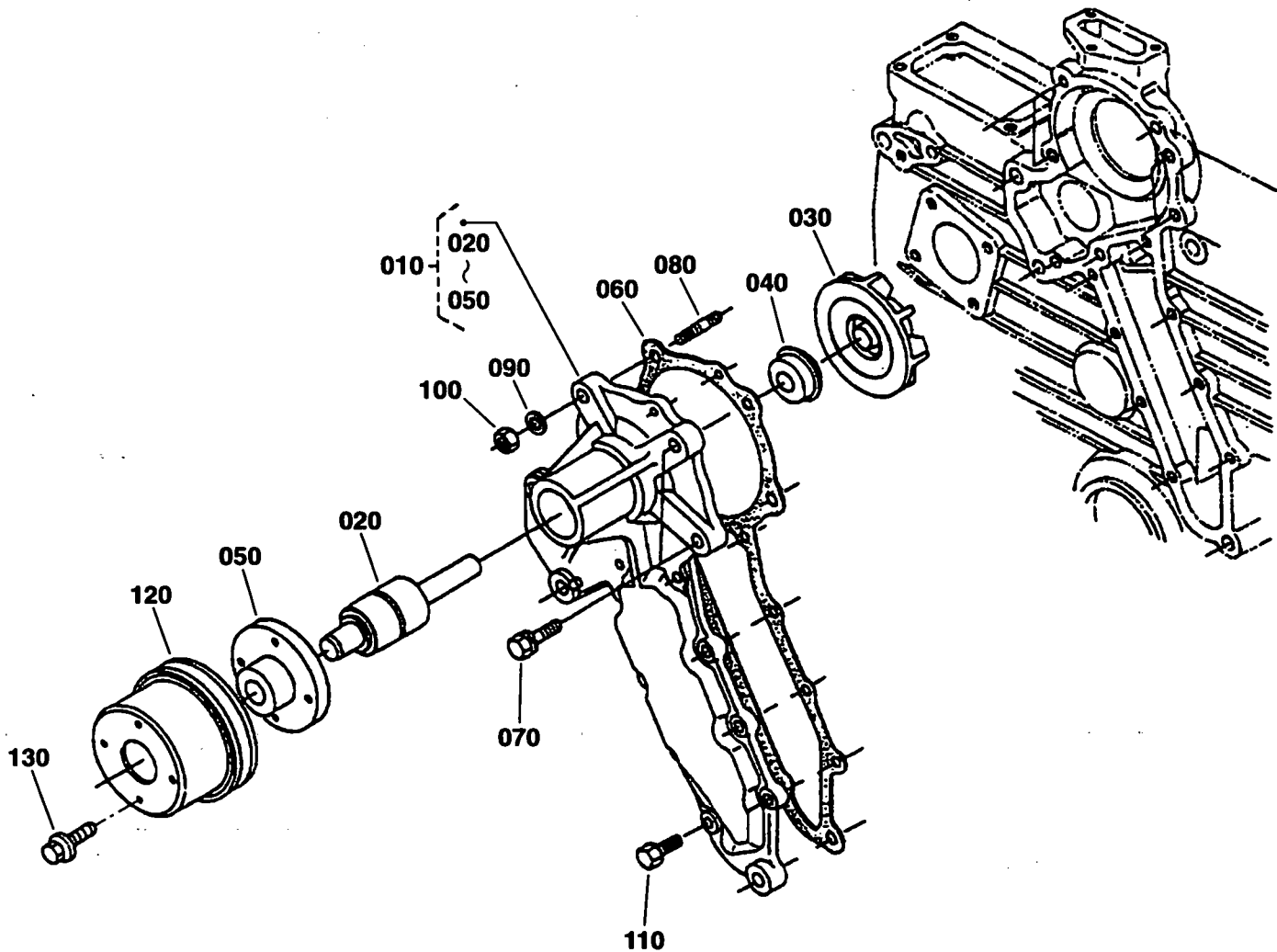
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	191-1437	1	Bearing, Center
12	191-1436	1	Bearing, Rear
13	191-1992	1	Yoke Assy
14	191-1993	1	Holder Assy, Brush
15	191-1433	1	Spring, Brush
16	191-1432	1	Bracket, Rear
17	191-1431	1	Bolt, Set
18	191-1994	1	Switch, Solenoid
19	191-1447	1	Gear, Set
20	191-1448	1	Drive Assy

Starter Components (24V)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1550	1	Starter	11	191-1606	1	Armature (Includes Bearings)
1	191-1450	1	Set, Screw	12	191-1437	1	Bearing, Center Sleeve
2	191-1449	1	Bracket Assy, Front (Includes Bearing)	13	191-1436	1	Bearing, Rear Sleeve
3	191-1446	1	Gear	14	191-1607	1	Yoke Assy (Includes Pole Shoes, Field Coil, Positive Brushes)
4	191-1445	1	Drive	15	191-1608	1	Holder, Brush (Includes Negative Brushes)
5	191-1444	1	Cover Assy, Rear (Includes Cover Plate, Washers, Screws, and Snap Ring)	16	191-1433	4	Spring, Brush
6	191-1960	1	Pinion Set (Includes Pinion, Spring & Stopper Set)	17	191-1432	1	Bracket, Rear
7	191-1442	1	Stopper, Set (Includes Ring)	18	191-1431	1	Bolt, Set
8	191-1441	1	Lever Assy	19	191-1609	1	Switch, Solenoid (Includes Shims)
9	191-1440	1	Spring Set	20	191-1447	1	Gear Set
10	191-1439	1	Bracket, Center	21	191-1448	1	Drive Assy

Water Pump

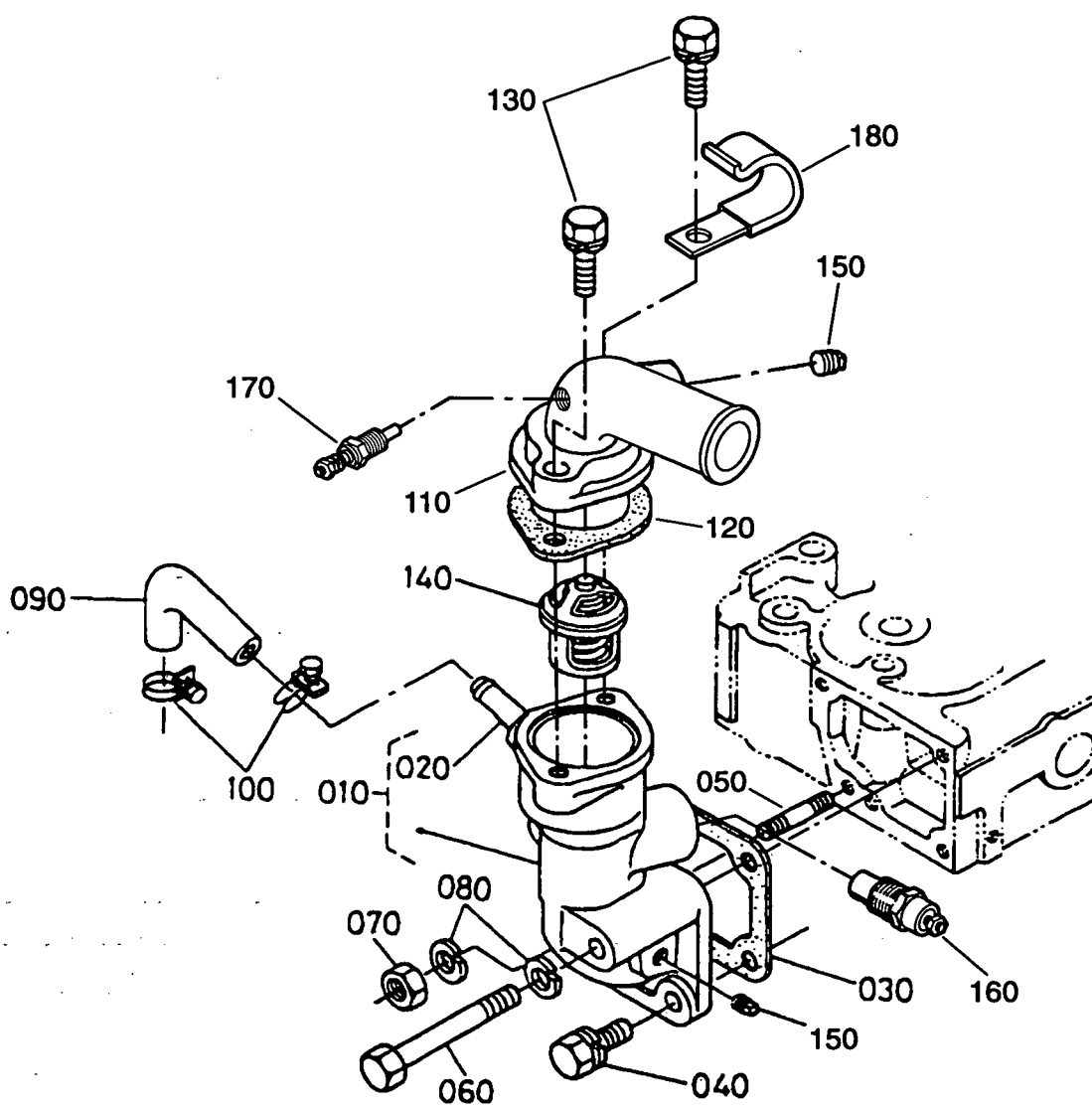


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-7061	1	Pump Assy, Water (Includes Parts Marked *)
020	185-6007	1	*Bearing, Ball
030	185-7020	1	*Impeller
040	185-7021	1	*Seal
050	185-6821	1	*Flange
060	185-6011	1	Gasket
070	185-2404	2	Bolt
080	185-6012	2	Stud

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
090	185-6957	2	Washer, Spring
100	185-2367	2	Nut
110	185-2389	8	Bolt
120	185-6710	1	Pulley
130	185-7062	4	Bolt, Flange

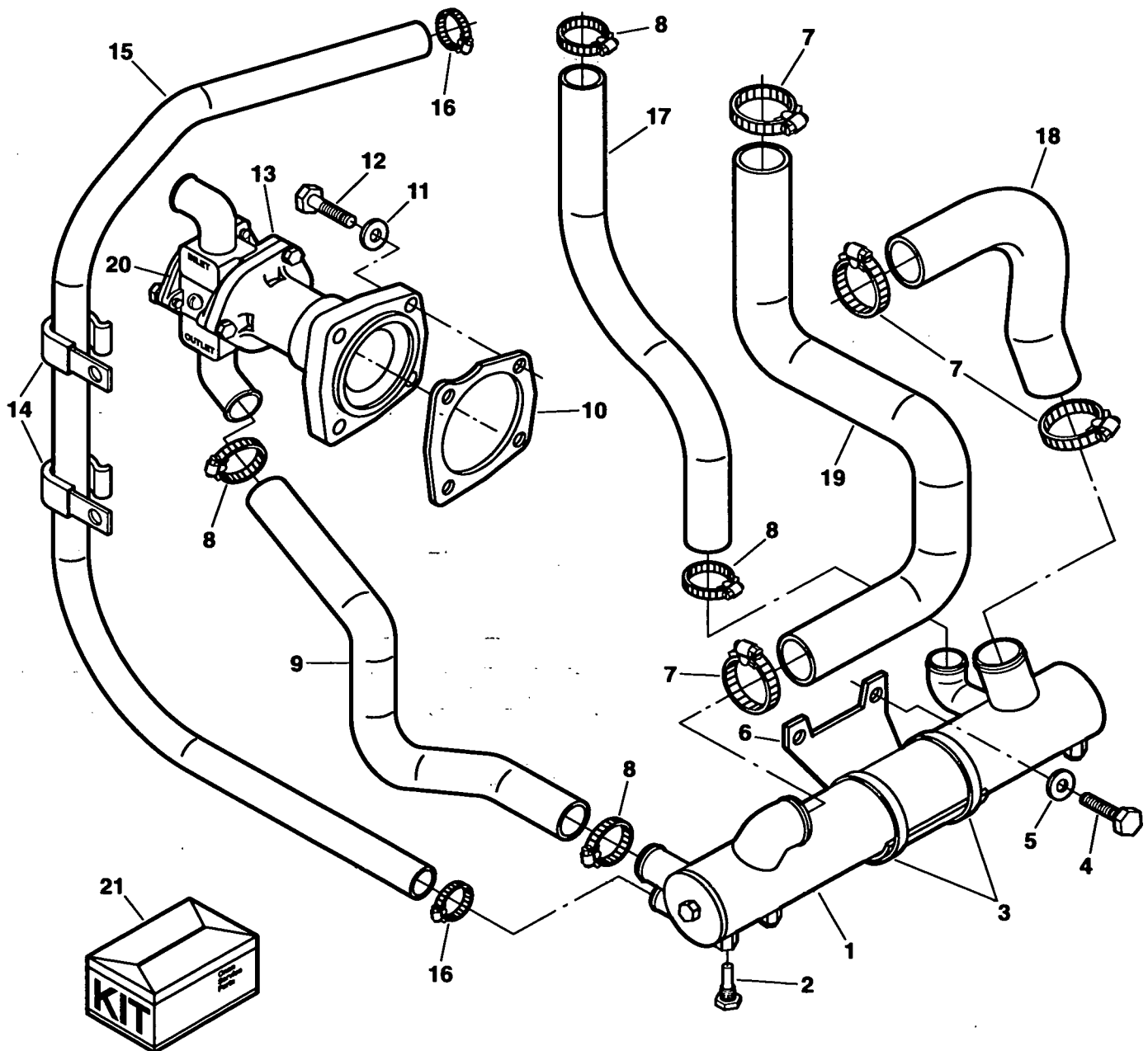
* - Parts Included in Water Pump Assy.

Water Outlet Flange



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6788	1	Flange, Water Outlet (Includes Pipe)	110	185-6003	1	Cover, Thermostat
020	185-6103	1	Pipe, Water Return	120	185-6004	1	Gasket
030	185-5999	1	Gasket	130	185-2565	2	Bolt
040	185-2402	2	Bolt	140	185-6005	1	Thermostat
050	185-2362	1	Stud	150	185-5826	2	Plug, Square Head Pipe (3/8)
060	185-7060	1	Bolt	160	309-0601	1	Switch, High Water Temperature (S2)
070	185-2367	1	Nut	170	193-0318	1	Sender, Water Temperature (E2)
080	185-6957	2	Washer, Spring	180	518-0515	1	Clip, Wire
090	185-6000	1	Pipe, Water Return				
100	185-6001	2	Clamp, Hose				

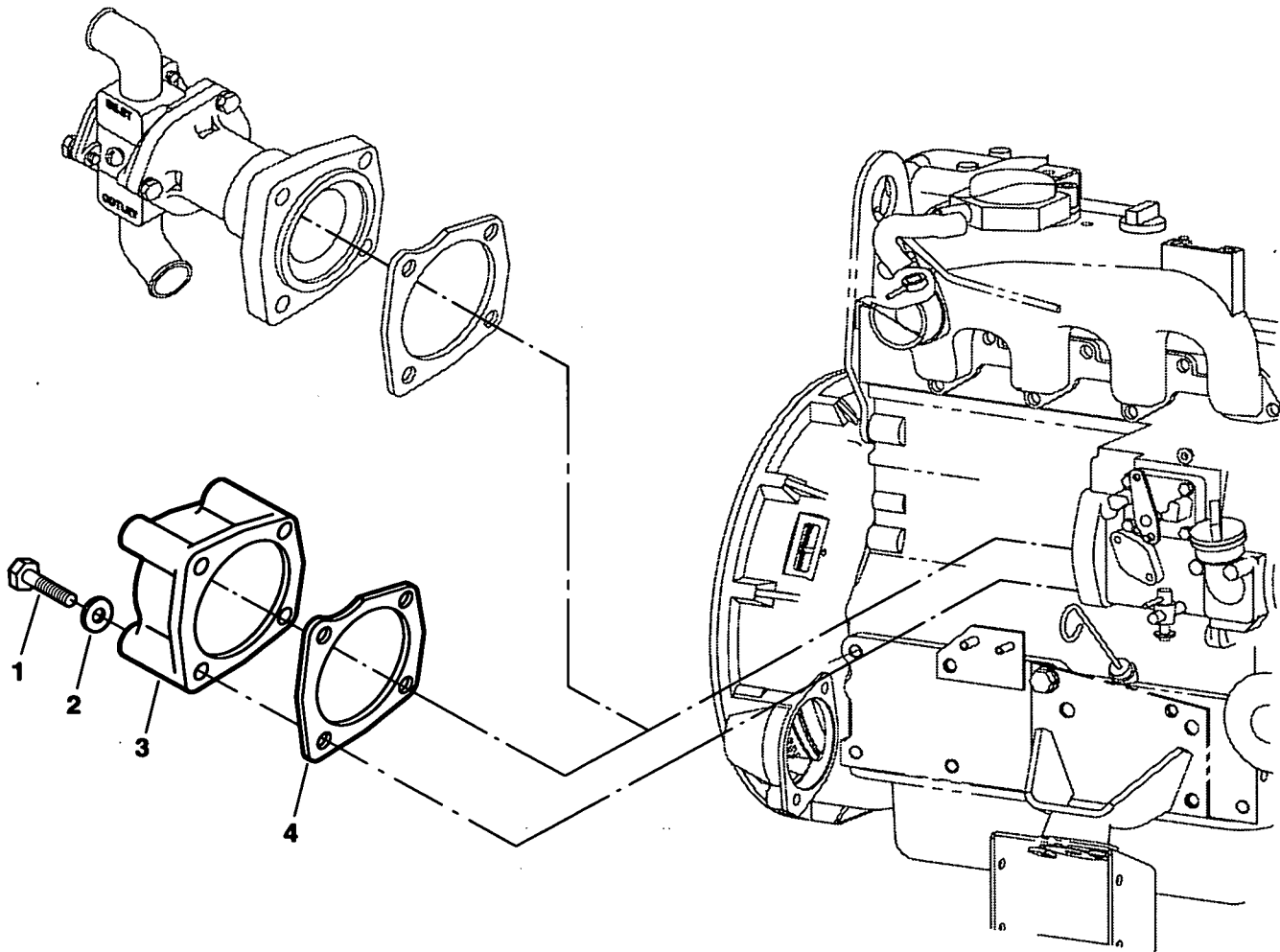
Cooling System



Cooling System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4518-02	1	Exchanger, Heat	15	503-2035	1	Hose, Mixer (5/8" x 43" Lg)
2	130-4434	1	Pencil, Zinc	16	503-0976	2	Clamp, Hose (5/8")
3	503-1144	2	Clamp, Hose (3")	17	503-2036	1	Hose, Coolant Tank Lower
4	800-3030	2	Screw, Hex Head Cap (M10 x 1.25 x 20mm)	18	503-1998	1	Hose, Engine Coolant
5	526-0029	2	Washer, Flat (3/8")	19	503-1977	1	Hose, Exhaust Manifold (1-3/8") (Includes Sleeving)
6	130-4628-03	1	Bracket, Heat Exchanger	20	132-0293	1	O'Ring
7	503-1138	4	Clamp, Hose (1-3/8")	21			Kit, Water Pump
8	503-1137	4	Clamp, Hose (1")		132-0349	1	Minor Service (Includes O'Ring and Impeller)
9	503-2034	1	Hose, Water Pump				
10	132-0346	1	Gasket, Water Pump		132-0350	1	Major Service (Includes Impeller, O'Rings, Wear Plate, Cover, Lip Seal, Cam, Seal Washer, Cam Screw and Key)
11	526-2100	4	Washer, Flat (M8)				
12	718-1036	4	Screw, Hex Head Cap (M8 x 1.25 x 20mm)				
13	132-0347	1	Pump, Raw Water				
14	332-2634	2	Clamp, "J"				

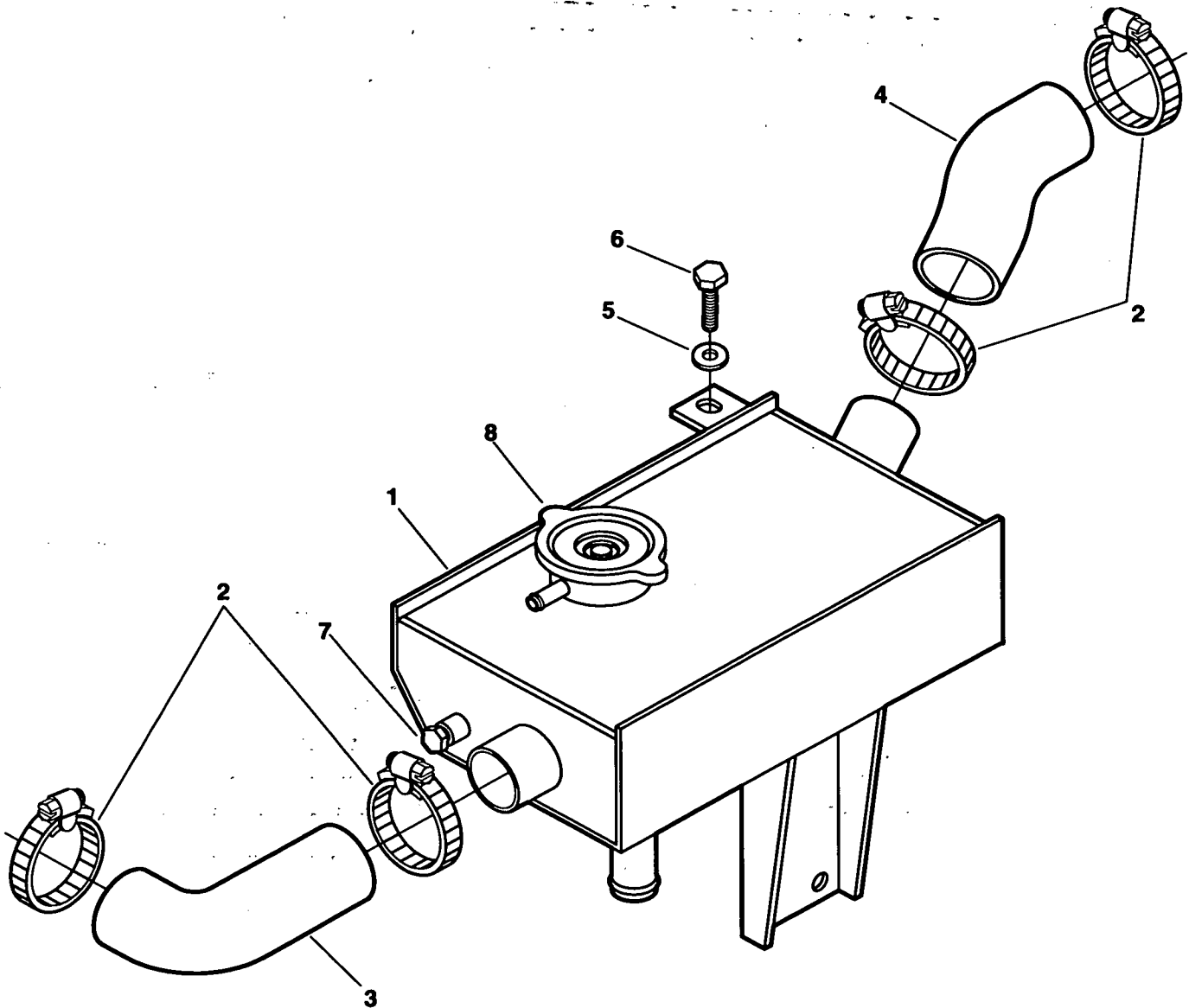
Keel Cooling Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-5676	4	Screw, Hex Head Cap (M8 x 70mm)
2	526-2100	4	Washer, Flat

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	185-6772	1	Cover
4	185-6982	1	Gasket

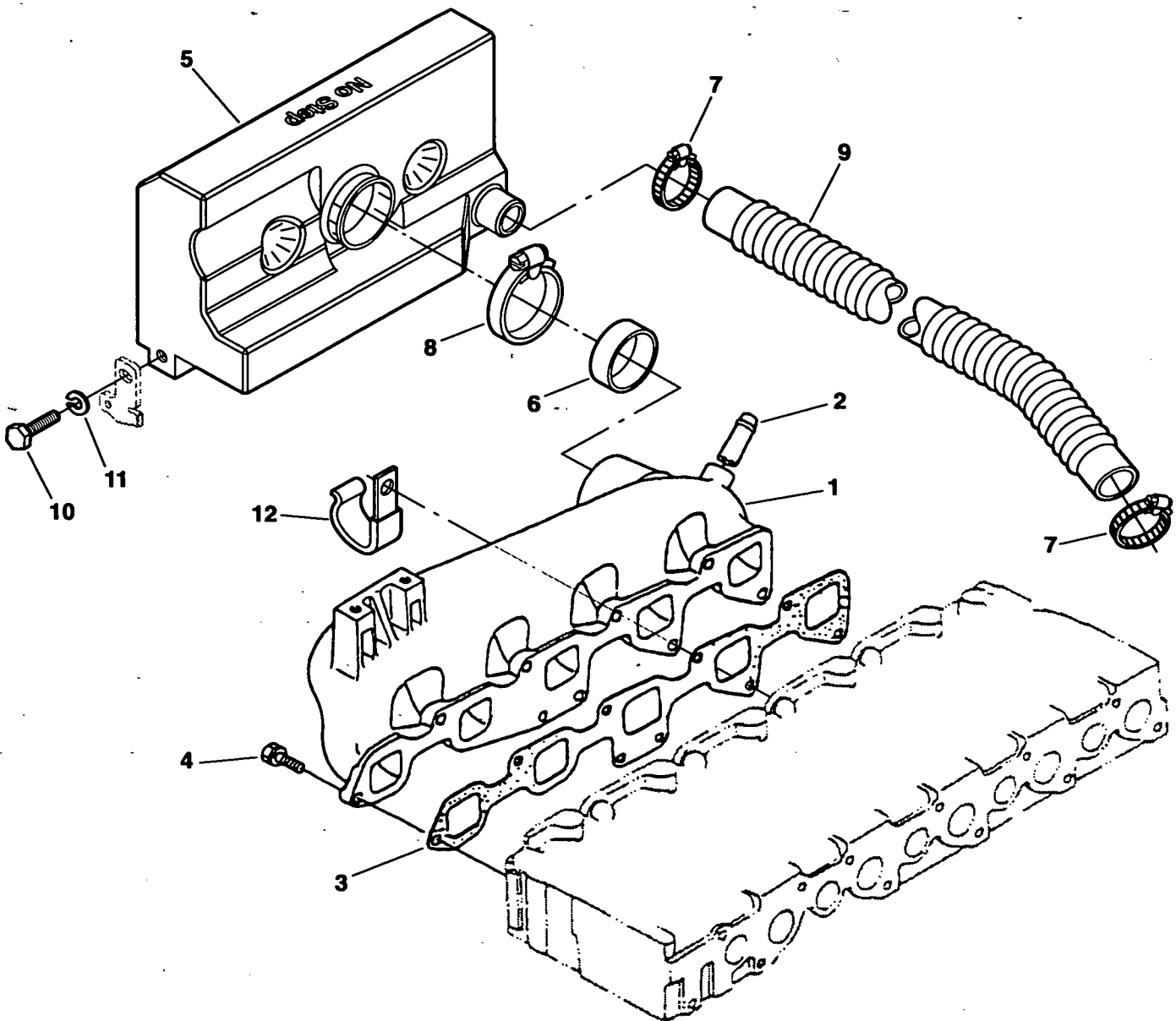
Coolant Tank



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4235-02	1	Tank, Coolant
2	503-1138	4	Clamp, Hose (1-3/8")
3	503-1999	1	Hose, Upper Elbow
4	503-1899	1	Hose, Upper "S" (1-3/8")

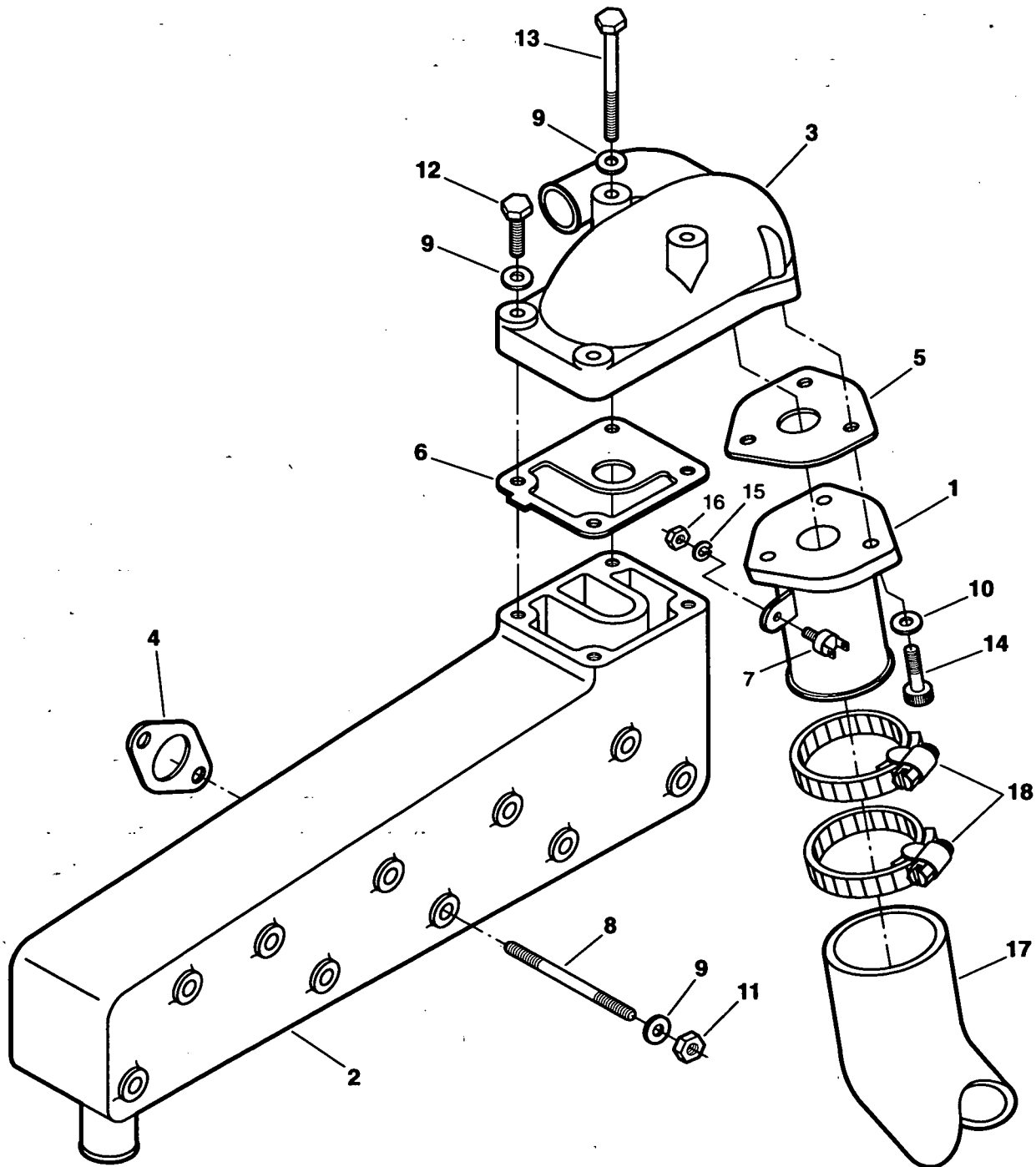
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	526-2100	1	Washer, Flat (M8)
6	800-2054	1	Screw, Hex Head Cap (M8 x 1.25 x 14mm)
7	502-0153	1	Plug, Hex Pipe (1/4)
8	130-2248	1	Cap, Tank

Intake Manifold



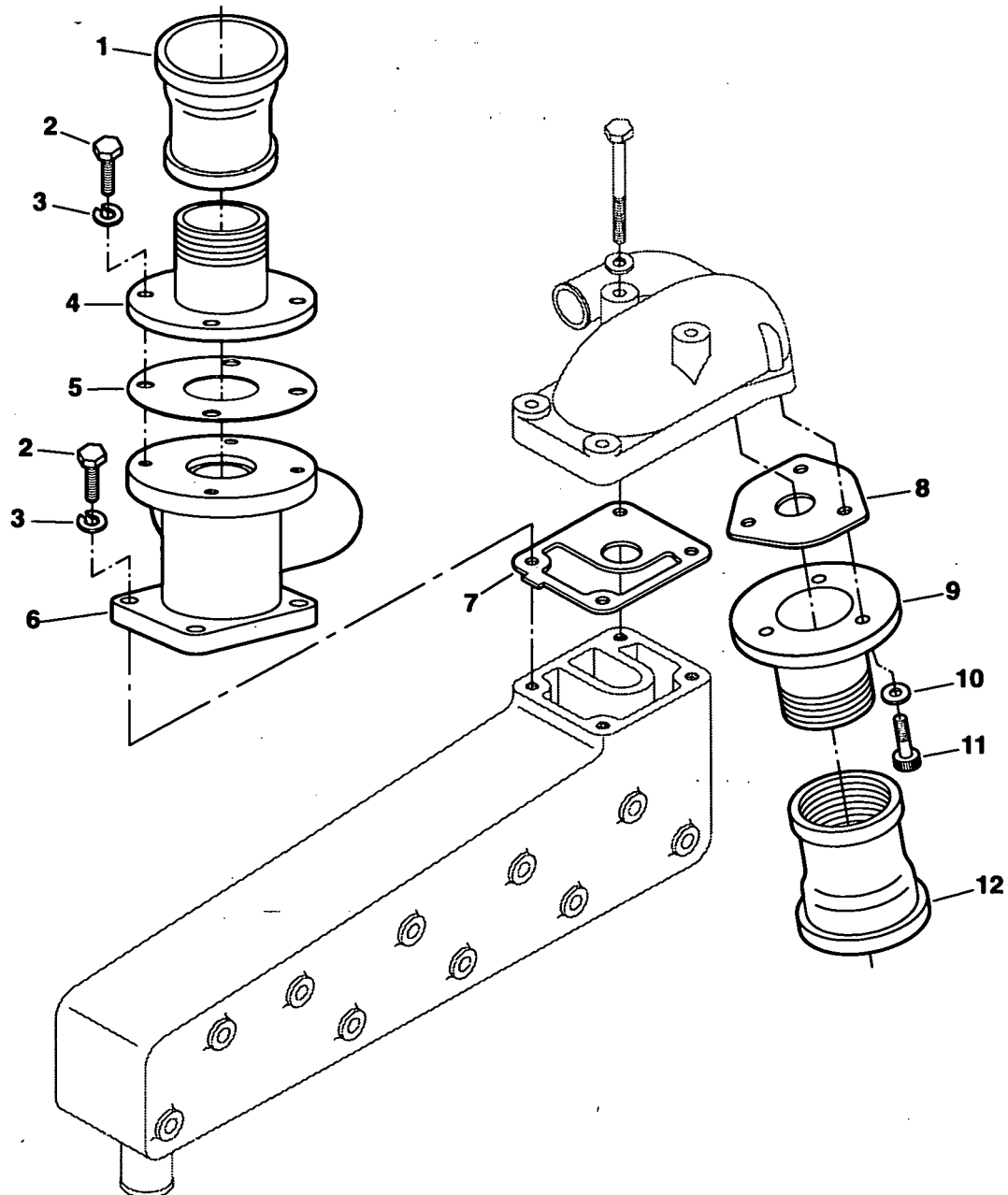
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-6803	1	Manifold Assy, Intake (Includes Pipe Joint)	7	503-1139	2	Clamp, Hose (2")
2	185-6723	1	Joint, Breather	8	503-1143	1	Clamp, Hose (3")
3	185-7065	1	Gasket	9	503-2009	1	Hose, Intake
4	185-2402	9	Bolt	10	800-2029	1	Screw, Hex Head Cap (M6 x 1 x 12mm)
5	140-3021	1	Resonator, Intake	11	850-2006	1	Washer, Lock (M6)
6	140-3048	1	Sleeve, Air Intake	12	332-2634	1	Clamp, "J"

Exhaust Manifold



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3006	1	Mixer	11	750-1006	10	Nut (M8 x 1.25)
2	154-3002	1	Manifold, Exhaust	12	718-1038	2	Screw, Hex Head Cap (M8 x 1.25 x 30mm)
3	154-2891	1	Riser	13	800-2067	2	Screw, Hex Head Cap (M8 x 1.25 x 70mm)
4	154-2915	5	Gasket, Exhaust Manifold	14	802-2068	3	Screw, Socket Cap (M6 x 1 x 20mm)
5	155-3061	1	Gasket, Mixer	15	850-0025	1	Washer, Lock (M8)
6	155-2975	1	Gasket, Riser	16	860-0008	1	Nut, Hex (8-32)
7	309-0597	1	Switch, High Exhaust Temperature (S5)	17	503-2010	1	Hose, Exhaust
8	185-7064	10	Stud	18	503-1142	4	Clamp, Hose
9	526-2100	12	Washer, Flat (M8)				
10	740-1004	3	Washer, Flat (M6)				

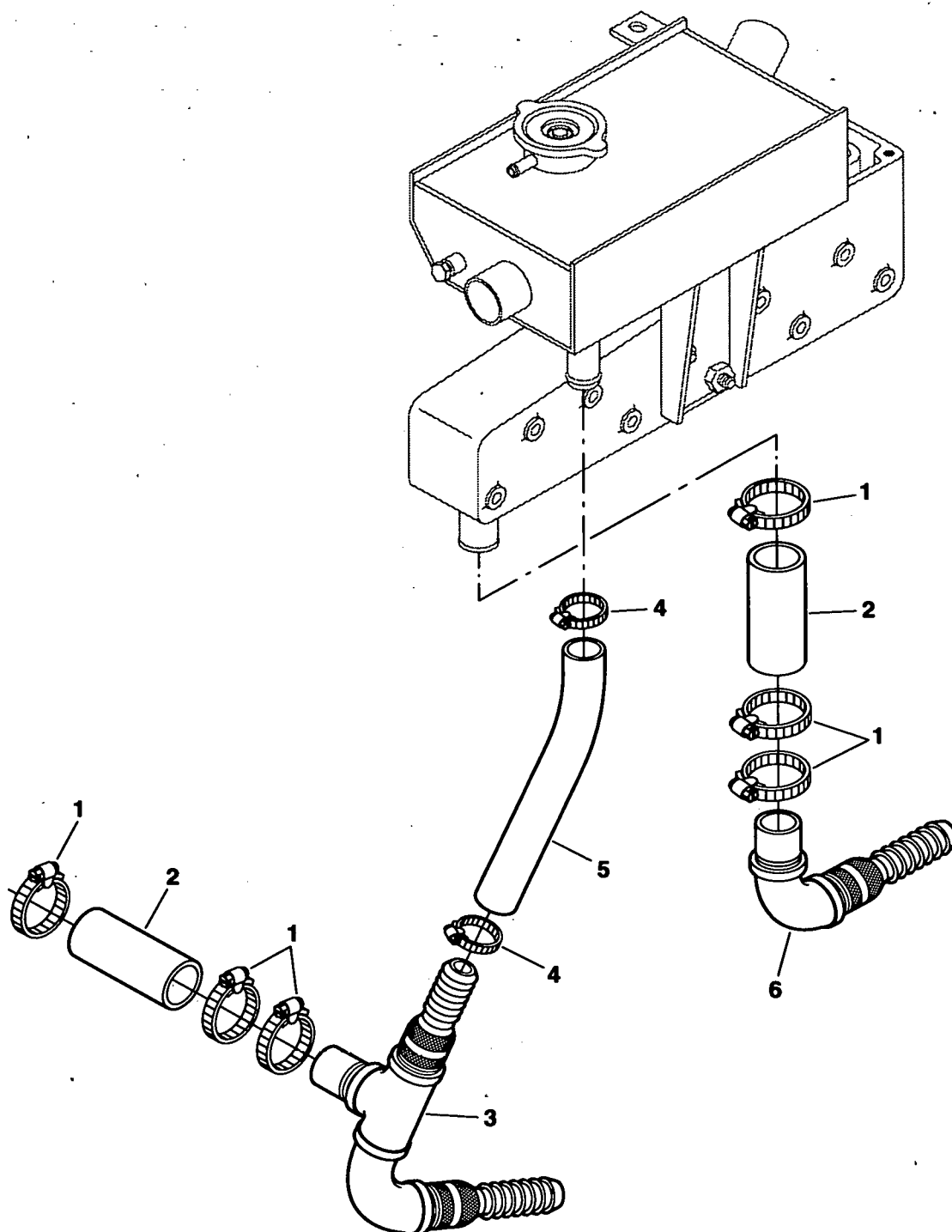
Dry Exhaust Systems



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Upward Exhaust			
1	505-0339-02	1	Coupling, Reducer (2 x 1-1/2")
2	800-2058	8	Screw, Hex Head Cap (M8 x 25mm)
3	850-2008	8	Washer, Lock (M8)
4	155-3069-02	1	Flange, Exhaust
5	155-2981	1	Gasket, Exhaust Adapter
6	154-2963-02	1	Adapter, Exhaust
7	155-2975	1	Gasket, Riser

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Downward Exhaust			
8	155-2413	1	Gasket, Exhaust
9	155-3068-02	1	Flange, Exhaust
10	740-1004	3	Washer, Flat (M6)
11	802-2068	3	Screw, Allen Socket Cap (M6 x 1 x 20mm)
12	505-0339-02	1	Bushing, Reducer (1-1/2 x 2")

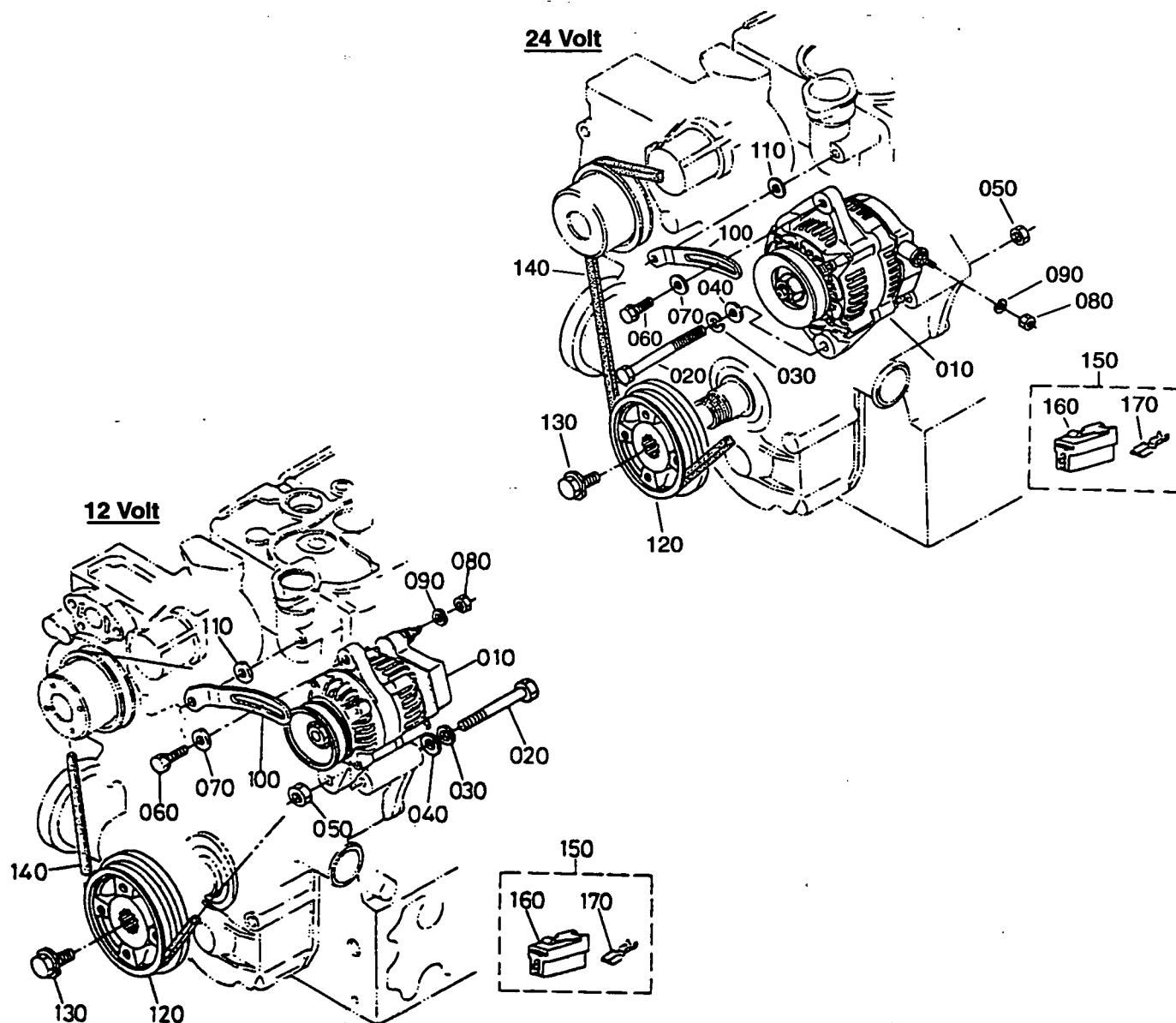
Keel Cooling System



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-1188	6	Clamp, Hose (1-3/8")
2	503-2023	2	Hose, Coolant
3	179-1448-02	1	Inlet, Keel Cooling

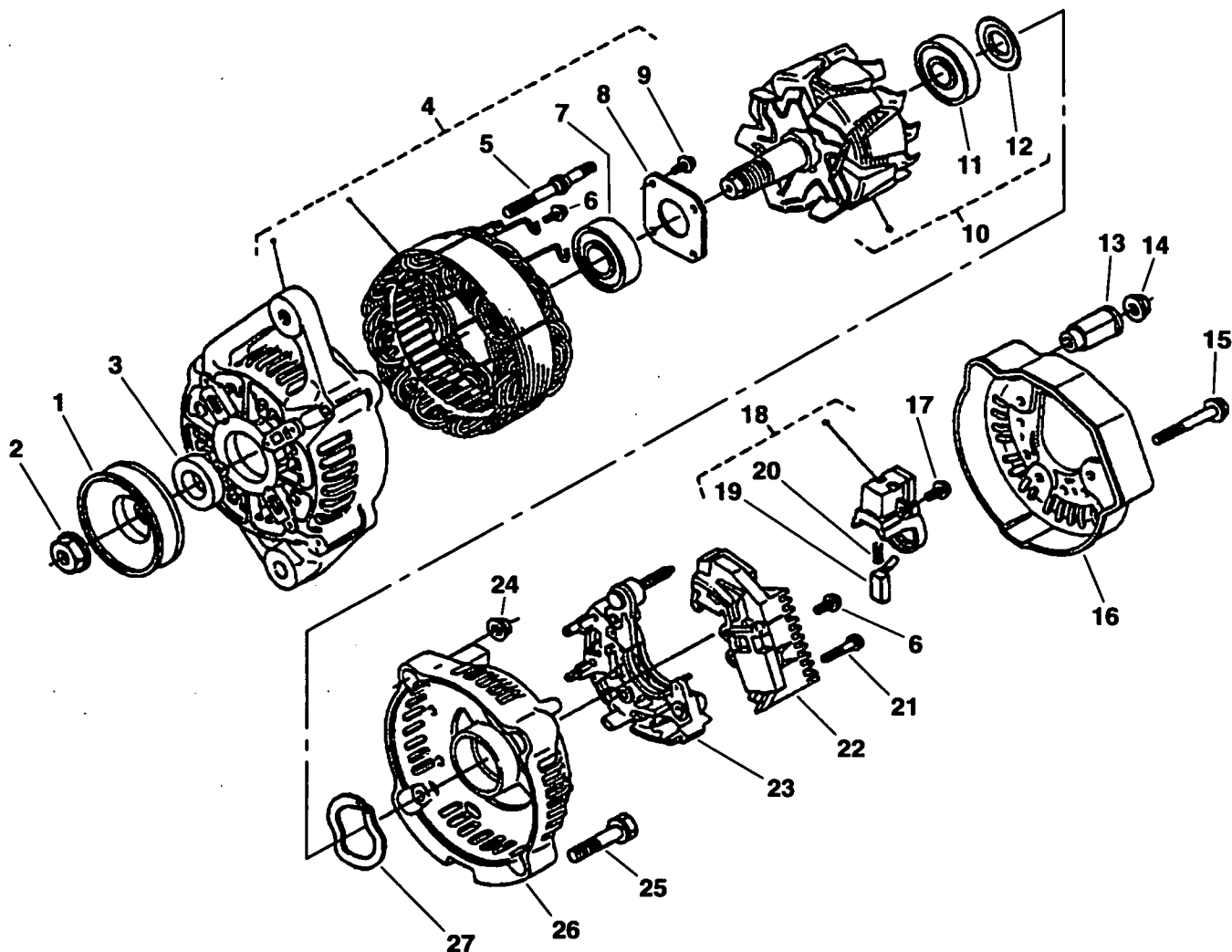
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	503-1137	2	Clamp, Hose (1")
5	503-2025-20	1	Hose, Coolant
6	179-1451-02	1	Outlet, Keel Cooling

Alternator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010			Alternator (See Separate Page for Components)	090	185-6759	1	Washer, Spring
	185-5994	1	12V	100	185-7012	1	Bracket, Adjusting
	185-6724	1	24V		185-6733	1	12V
020	185-7052	1	Bolt		185-6228	1	24V
030	185-6785	1	Washer, Spring	110	185-6228	1	Collar
040	185-6630	1	Washer, Flat	120	185-7053	1	Pulley
050	185-5445	1	Nut	130	185-7054	1	Bolt
060	185-2564	1	Bolt	140	185-7055	1	Belt
070	185-6786	1	Washer, Flat	150	185-5447	1	Coupler Assy
080	185-4255	1	Nut	160	185-6440	1	Connector
				170	185-6347	1	Terminal

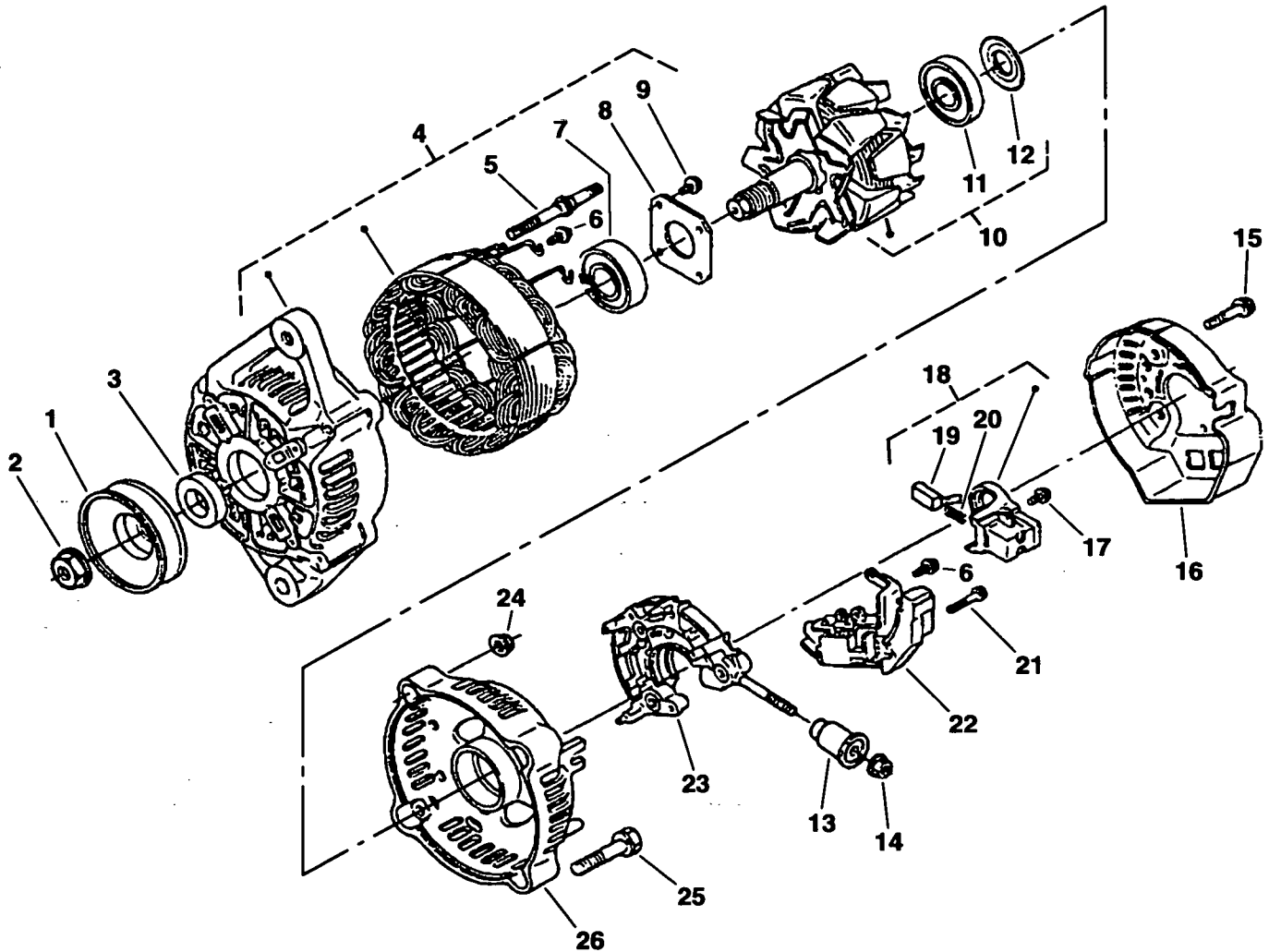
Alternator Components (12V)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	185-5994	1	Alternator	16	185-6189	1	Cover, End
1	185-6186	1	Pulley	17	185-5787	1	Screw, Round Head
2	185-5768	1	Nut	18	185-5782	1	Holder Assy, Brush (Includes Brushes and Springs)
3	185-5769	1	Collar	19	185-5783	2	Brush
4	185-5773	1	Frame, Drive End (Includes Parts Marked *)	20	185-5784	2	Spring, Brush
5	185-5776	2	*Bolt, Through	21	185-5785	2	Screw, Round Head
6	185-5786	6	Screw, Round Head	22	185-5791	1	Regulator
7	185-5777	1	*Bearing	23	185-6190	1	Rectifier
8	185-5774	1	*Plate, Retainer	24	185-5789	2	Nut
9	185-5775	4	*Screw, Round Head	25	185-5790	2	Bolt
10	185-5770	1	Rotor (Includes Bearing and Cover)	26	185-6188	1	Frame, End
11	185-5772	1	Bearing	27	185-6187	1	Washer, Thrust
12	185-5771	1	Cover, Bearing				
13	185-6191	1	Insulation, Brush				
14	185-2961	1	Nut				
15	185-5788	3	Bolt				

* - Parts Included in Drive End Frame.

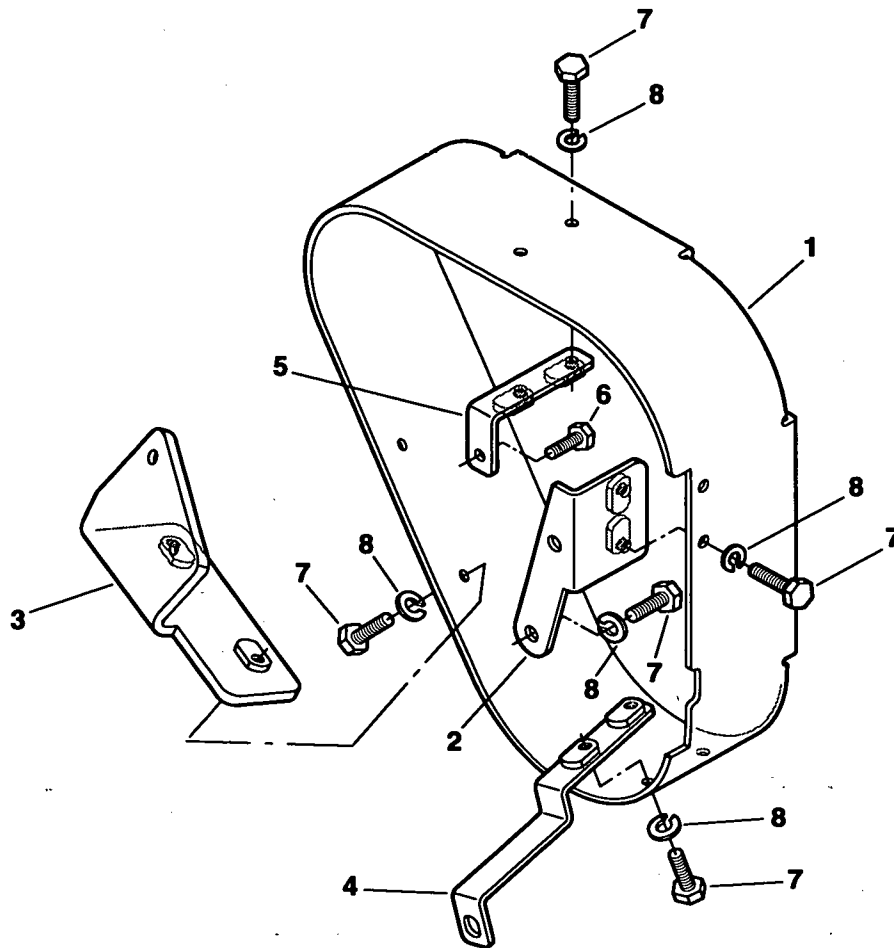
Alternator Components (24V)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	185-6724	1	Alternator	15	185-5788	3	Bolt
1	185-6809	1	Pulley	16	185-6815	1	Cover, End
2	185-5768	1	Nut	17	185-5787	1	Screw, Round Head
3	185-5769	1	Collar	18	185-6819	1	Holder Assy, Brush (Includes Brushes and Springs)
4	185-6812	1	Frame, Drive End (Includes Parts Marked *)	19	185-5783	2	Brush
5	185-7056	2	*Bolt, Through	20	185-5784	2	Spring, Brush
6	185-5786	6	Screw, Round Head	21	185-5785	2	Screw, Round Head
7	185-6813	1	*Bearing	22	185-6820	1	Regulator
8	185-5774	1	*Plate, Retainer	23	185-6816	1	Rectifier
9	185-5775	4	*Screw, Round Head	24	185-5789	2	Nut
10	185-6810	1	Rotor (Includes Bearing and Cover)	25	185-5790	2	Bolt
11	185-6811	1	Bearing	26	185-6814	1	Frame, End
12	185-5771	1	Cover, Bearing				
13	185-5781	1	Insulation, Brush				
14	185-2961	1	Nut				

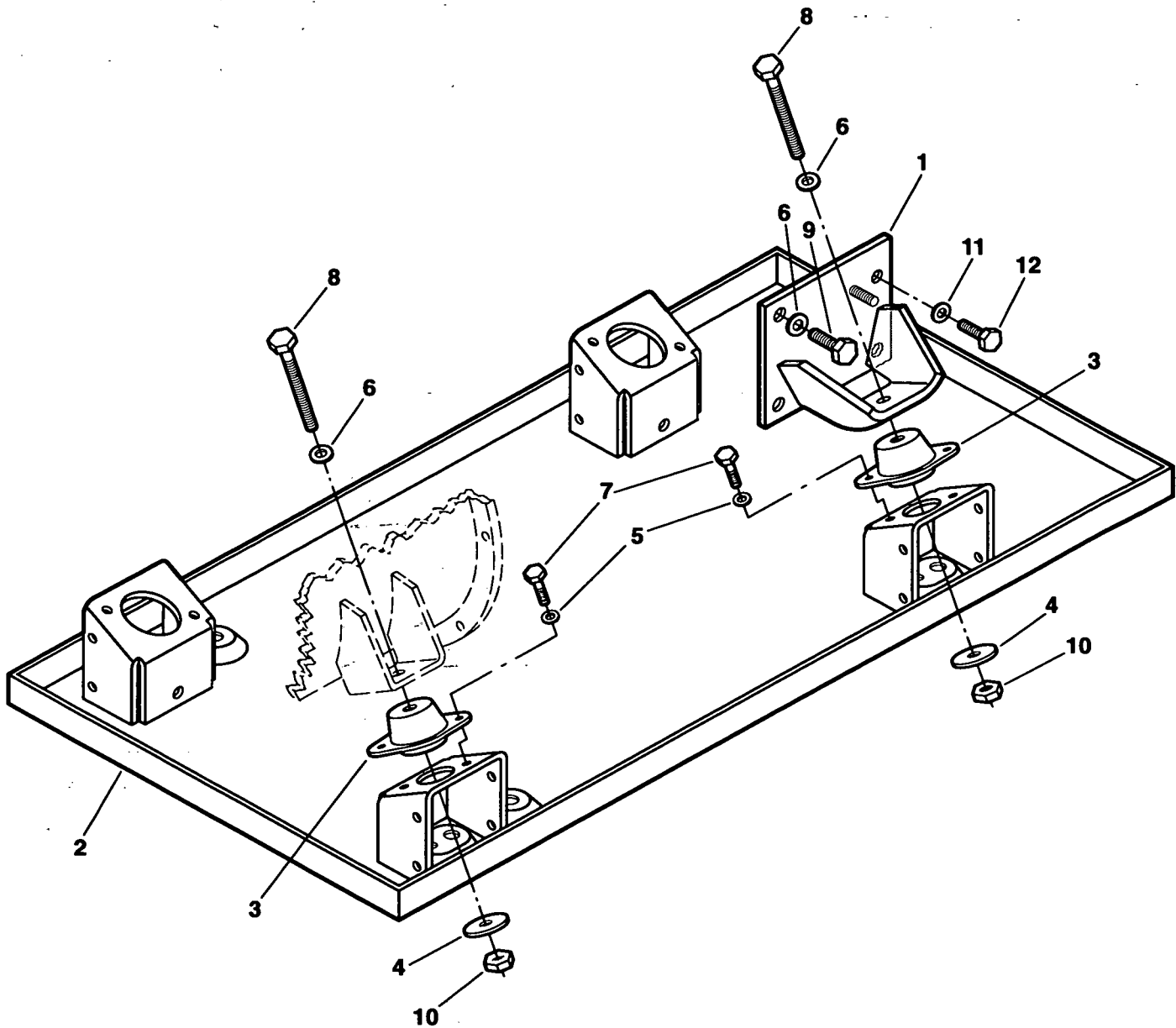
* - Parts Included in Drive End Frame.

Belt Guard



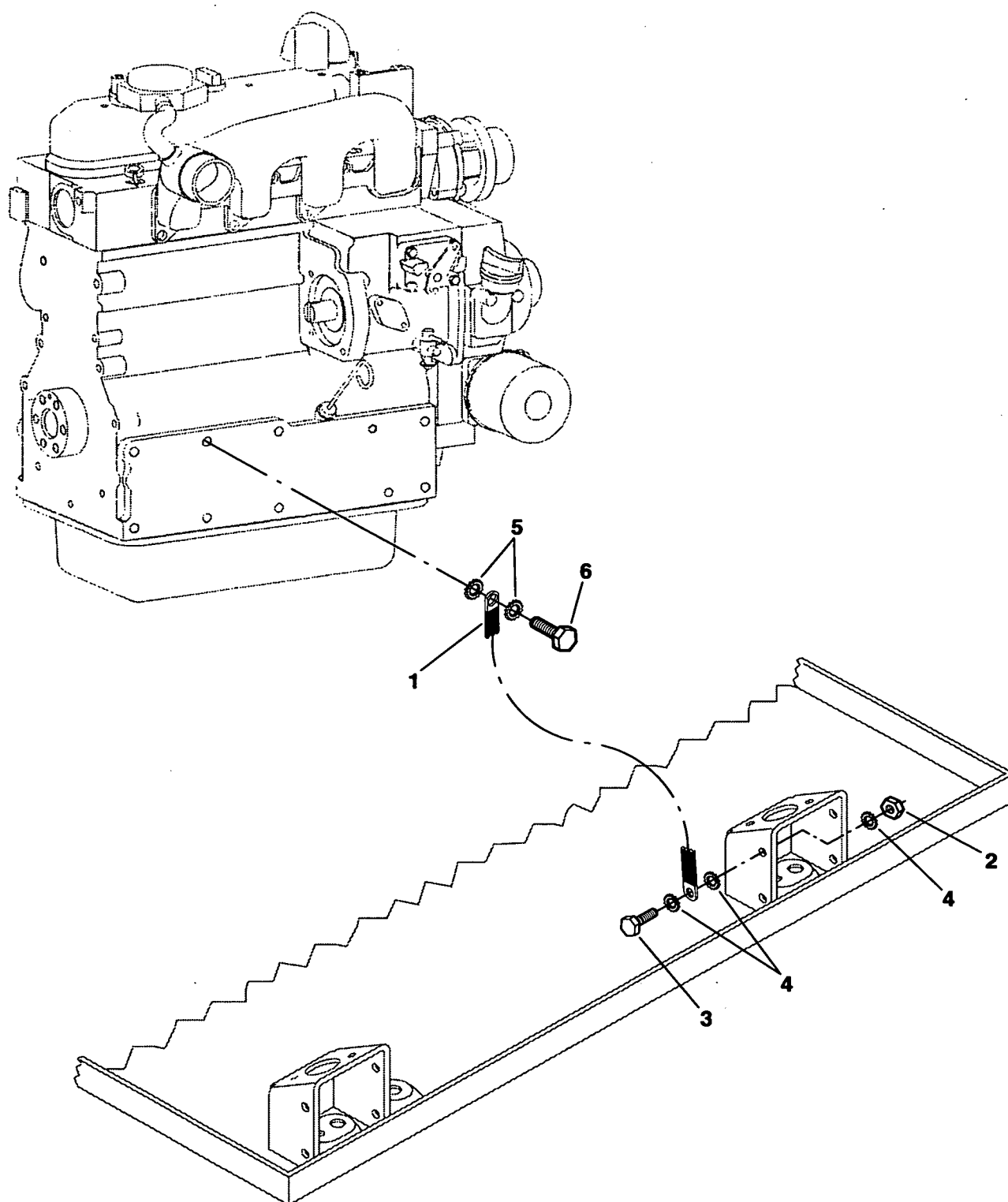
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4652-03		Guard, Belt	5	130-4492-03	1	Bracket, Guard
2	130-4381-03	1	Bracket, Guard	6	718-1047	1	Screw, Hex Head Cap (M8 x 75)
3	130-4382-03	1	Bracket, Guard	7	800-2029	8	Screw, Hex Head Cap (M6 x 12)
4	130-4491-03	1	Bracket, Guard	8	850-2006	8	Washer, Lock (M6)

Mounting Base



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3972-03	1	Mount, Engine With Fuel Pump Mounting Stud (Pictured)	8	800-2118	4	Screw, Hex Head Cap (M12 x 1.75 x 60mm)
	403-4059-03	1	Without Stud, Exhaust Side	9	800-3031	6	Screw, Hex Head Cap (M12 x 1.25 x 20mm)
2	403-3947-02	1	Base, Generator Mounting	10	750-1010	4	Nut, Hex Machine (M12 x 1.75)
3	403-3955	4	Isolator, Mounting	11	526-2133	1	Washer, Rocker Ball
4	526-0172	4	Washer, Flat (M12)	12	800-3030	1	Screw, Hex Head Cap (M10 x 1.25 x 20mm)
5	526-2106	8	Washer, Flat (M8)				
6	526-2140	10	Washer, Flat (M12)				
7	718-1036	8	Screw, Hex Head Cap (M8 x 1.25 x 20mm)				

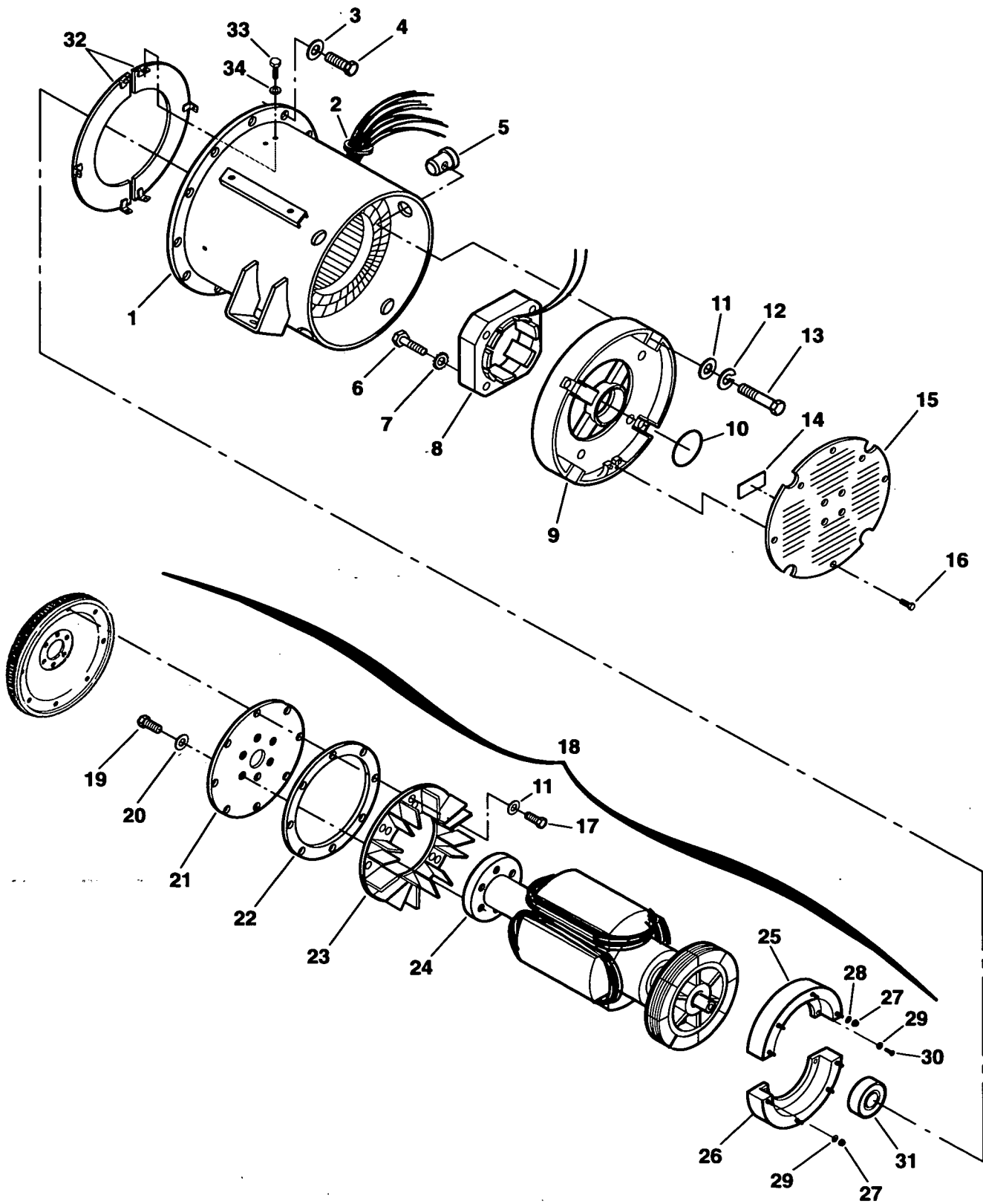
Grounding System



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2785	1	Strap, Bond
2	860-2008	1	Nut, Hex (M8)
3	800-2057	1	Screw, Hex Head Cap (M8 x 1.25 x 20mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	856-0008	3	Washer, EIT Lock (5/16")
5	856-0013	2	Washer, EIT Lock (1/2")
6	800-3031	1	Screw, Hex Head Cap

Generator

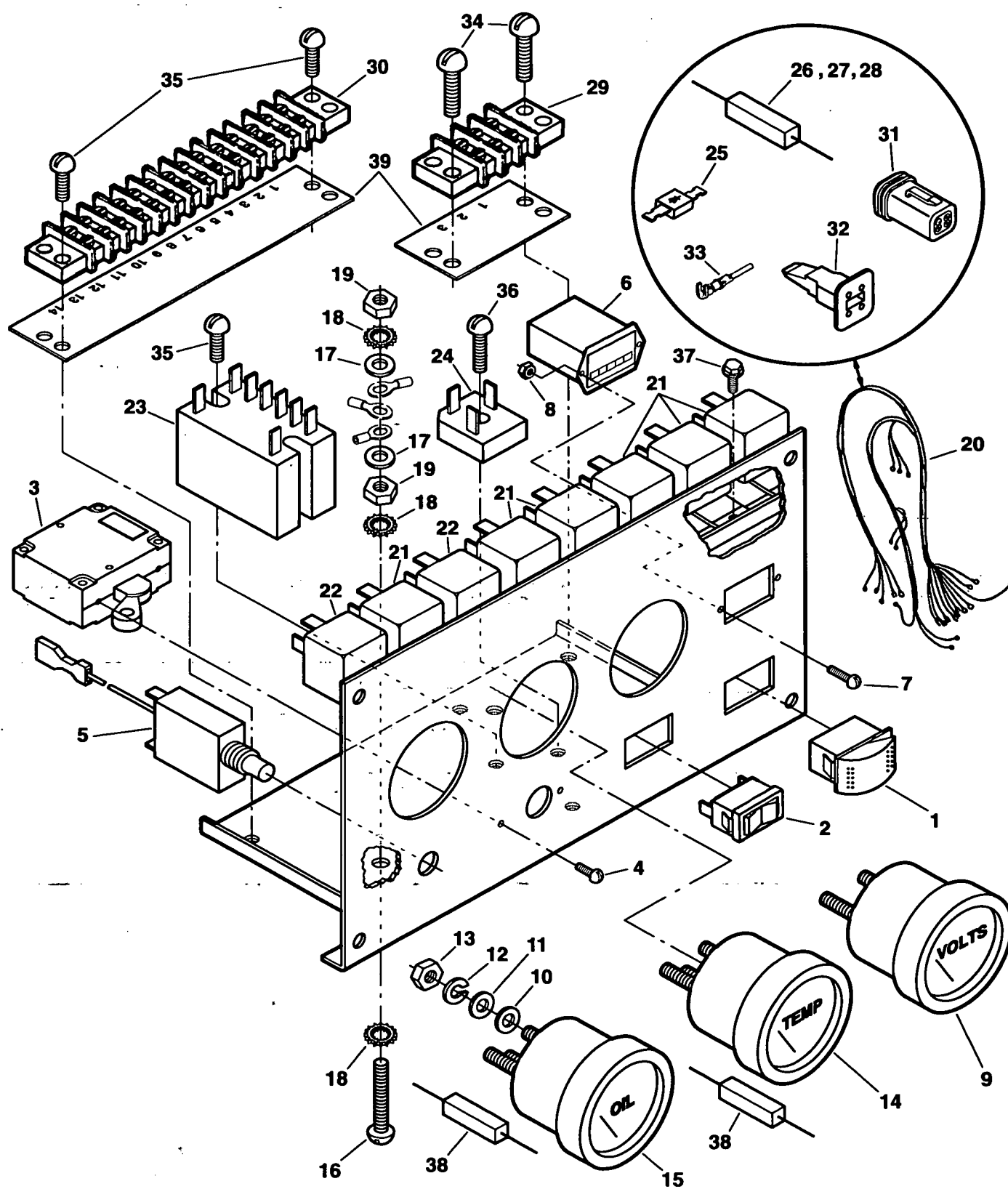


Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator (Includes Grommet)	18	201-3517-06		Rotor Assy, Generator (Includes Parts Marked *)
	220-4417-06	1	1 Phase	19	800-0310-64	6	*Bolt, Hex Head Cap (1/2-13 x 1")
	220-4451-06	1	3 Phase	20	526-0399-44	6	*Washer, Flat (M12)
2	508-1073	1	Grommet	21	232-3672-03	1	*Disc, Drive
3	526-0174	12	Washer, Flat (3/8)	22	232-3826-02	1	*Spacer, Fan
4	800-0051	12	Screw, Hex Head Cap (3/8-16 x 1-1/4)	23	205-0229-02	1	*Fan, Generator
5	232-3706-02	4	Retainer, Endbell	24	232-3705-03	1	*Hub, Drive
6	815-0843	4	Screw, Hex Head Thread Forming (1/4-20 x 2")	25	358-0069	1	*Diode, Positive
7	853-0013	4	Washer, ET Lock (1/4")	26	358-0070	1	*Diode, Negative
8	220-4413-02	1	Stator, Exciter	27	870-0131-01	8	*Nut, ET Hex (#10-32)
9	211-0435-01	1	Endbell	28	526-0399-11	8	*Washer, Flat (#10)
10	509-0094	1	Seal, O'Ring	29	853-0040-04	4	*Washer, ET Lock (#10)
11	526-0399-42	12	Washer, Flat (3/8)	30	822-2160-37	4	*Screw, Pan Head Machine (#10-32 x 1/2)
12	850-0114-06	4	Washer, Lock (5/16")	31	510-0112	1	*Bearing, Ball
13	800-0310-27	4	Screw, Hex Head Cap (5/16"-18 x 2-1/2")	32	234-0935-02	2	Baffle, Air (3 Phase)
14	895-0308	1	Tape, Polyurethane (40mm)	33	800-0310-02	6	Screw, Hex Head Cap (1/4-20 x 1/2") (3 Phase)
15	234-0876-01	1	Cover, Inlet	34	853-0040-05	6	Washer, ET Lock (1/4") (3 Phase)
16	815-0181	3	Screw, Hex Head Thread Cutting (#10-32 x 1/2")				
17	800-0310-36	8	Screw, Hex Head Cap (3/8-16 x 1)				

* - Parts Included in Generator Rotor Assy.

Control Panel

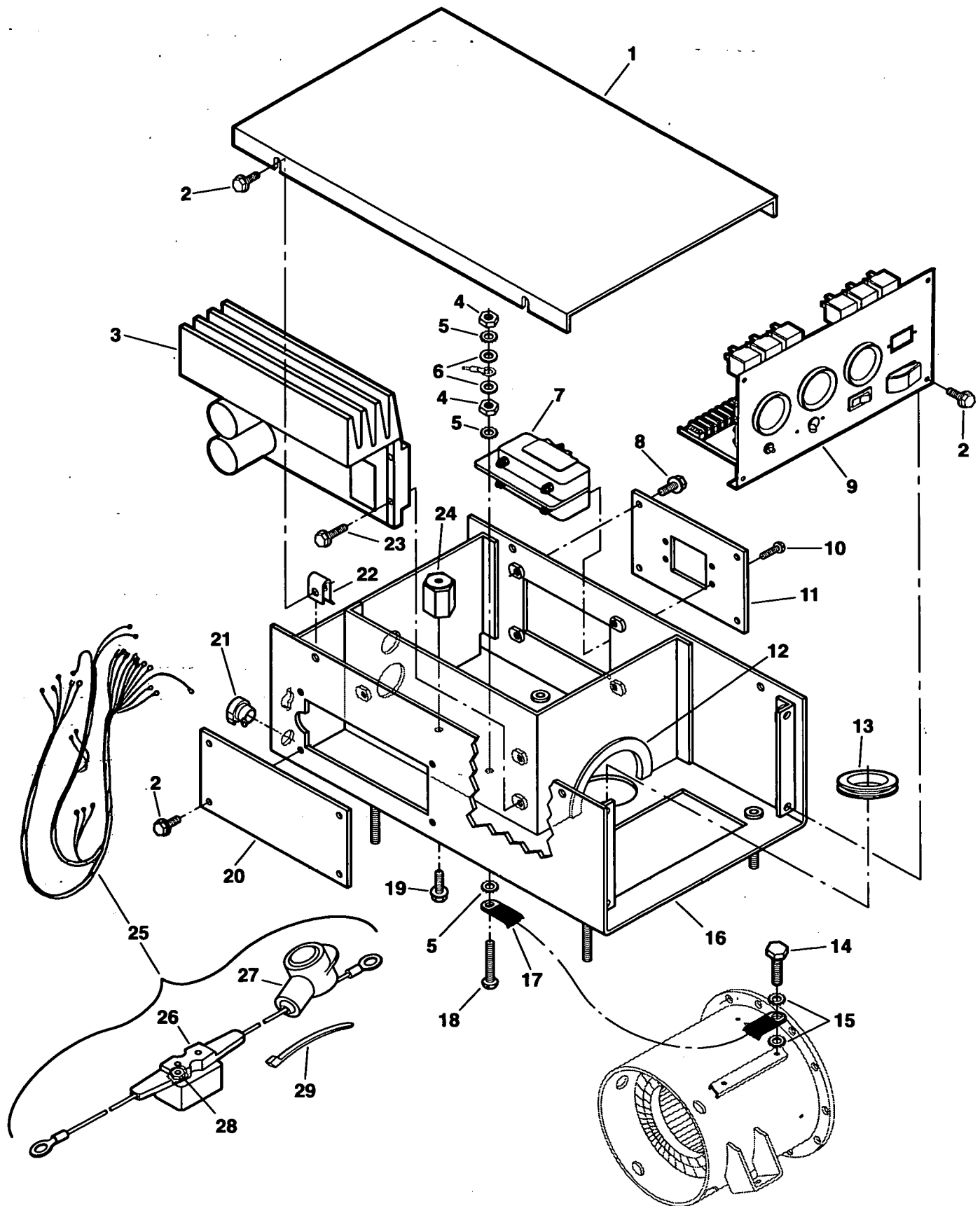


Control Panel

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Panel Assy, Control (Includes Parts Marked *)	21			+Relay (K1, K2, K3, K6, K10, K11)
			With Gauges		307-1886	6	12V Sets
	300-4658	1	12V Sets		307-2643	6	24V Sets
	300-4662	1	24V Sets	22			+Relay (K5, K8)
			Without Gauges		307-2817-01	2	12V Sets
	300-4659	1	12V Sets		307-2817-02	2	24V Sets
	300-4663	1	24V Sets	23			+Relay (K4)
1	308-1027	1	*Switch, Rocker (S1)		307-2828-01	1	12V Sets
2			*Breaker, Circuit (CB4)		307-2828-02	1	24V Sets
	320-1710	1	12V Sets (20A)	24	305-0548	1	+Rectifier, Bridge (CR1)
	320-1140	1	24V Sets (15A)	25	357-0030	3	+Rectifier (CR2, CR3, CR4)
3	320-1862-01	1	*Breaker, Circuit (50A) (CB1)	26			+Resistor (R1)
4	812-0059	2	*Screw, Round Head Machine (6-32 x 1/4")		353-0053	1	12V Sets (10 Ohms, 10W)
					352-0197	1	24V Sets (36 Ohms, 15W)
5	320-1863	1	*Breaker Assy (Includes Terminal)	27			+Resistor (R2)
6	302-0885	1	*Meter, Time Totalizing (M1)		352-0194	1	12V Sets (10 Ohms, 5W)
7	815-0385	2	*Screw, Round Head Machine (#6-32 x 1/2")		352-0196	1	24V Sets (24 Ohms, 10W)
8	870-0183	2	*Nut, ET Hex (#6-32)	28			+Resistor (R3)
9			*Voltmeter (M4)		352-0195	1	12V Sets (8.5 Ohms, 5W)
	302-1641	1	12V Sets (8-18V)		352-0198	1	24V Sets (18 Ohms, 10W)
	302-1642	1	24V Sets (16-36V)	29	332-3297	1	+Block, Terminal (3 Position) (TB1)
10	526-0409	8	*Washer, Nylon Flat (#10)	30	332-3385	1	+Block, Terminal (14 Position) (TB2)
11	526-0049	8	*Washer, Brass Flat (#10)	31	323-1546	1	+Plug, (4 Pin) (P2)
12	850-0030	8	*Washer, Lock (#10)	32	323-1548	1	+Wedge, Plug (P2)
13	871-0010	8	*Nut, Hex Brass Machine (#10-32)	33	323-1492	4	+Pin (P2)
				34	813-0102	2	*Screw, Round Head Machine (10-32 x 5/8")
14	193-0351	1	*Gauge, Coolant Temperature (M3)	35	812-0079	4	*Screw, Round Head Machine (#8-32 x 3/8")
15	193-0352	1	*Gauge, Oil Pressure (M2)	36	815-0539	1	*Screw, Round Head Machine (#8-32 x 5/8")
16	810-0155	1	*Screw, Round Head Machine Brass (1/4-20 x 1-1/4")	37	821-0004	6	*Screw, Lock (#10-32 x 5/16")
17	526-0052	2	*Washer, Brass Flat (1/4")	38	193-0250	2	*Resistor (24V Sets With Gauges) (R4, R5)
18	856-0006	3	*Washer, Lock EIT (1/4")	39			*Marker, Strip
19	871-0016	2	*Nut, Hex Brass Machine (1/4-20)		332-3296	1	14 Pos.
20			*Harness, Control (Includes Parts Marked +)		332-3298	1	3 Pos.
			With Gauges				
	338-3246	1	12V Sets				
	338-3248	1	24V Sets				
			Without Gauges				
	338-3247	1	12V Sets				
	338-3249	1	24V Sets				

* - Parts Included in Control Panel Assy.
+ - Parts Included in Control Harness.

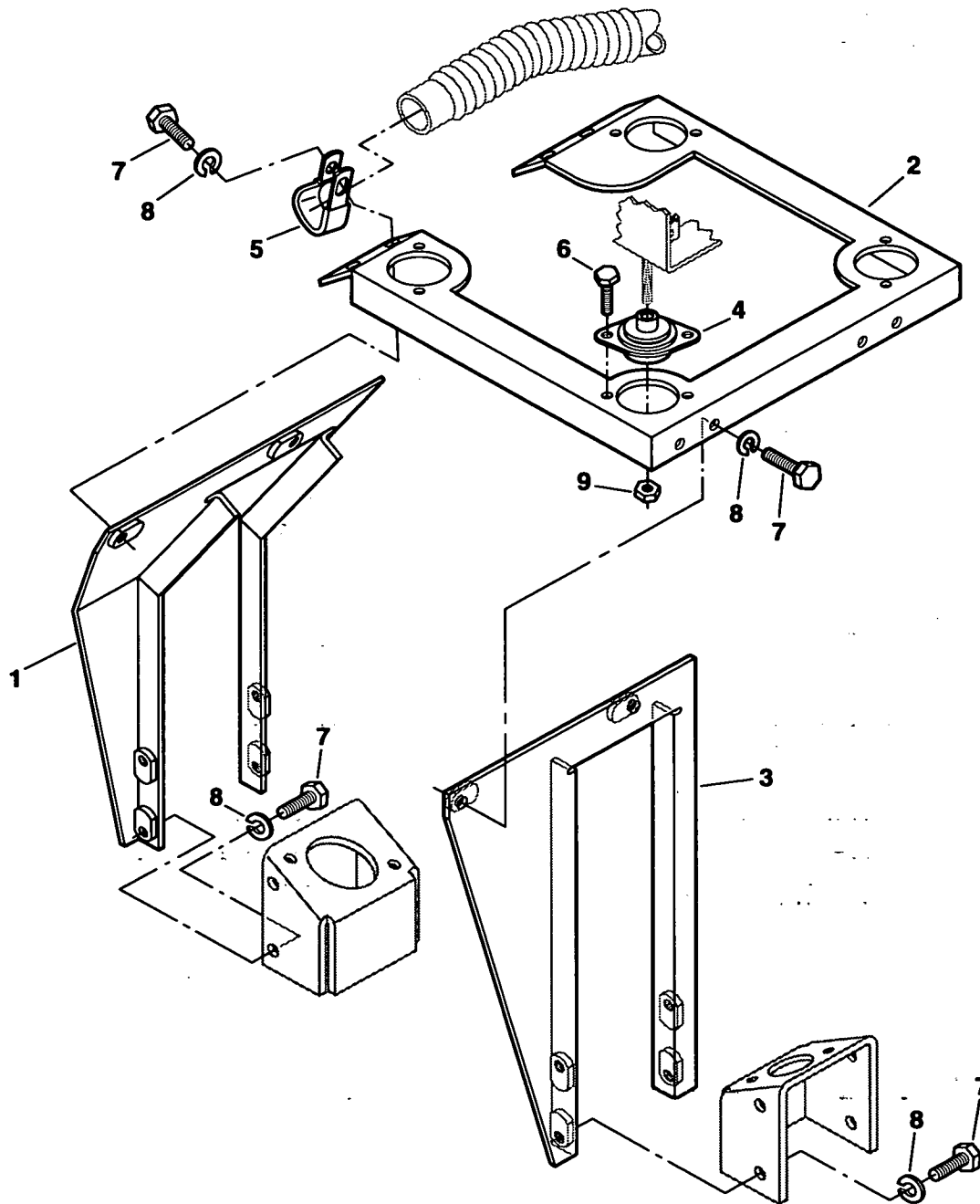
Control Box



Control Box

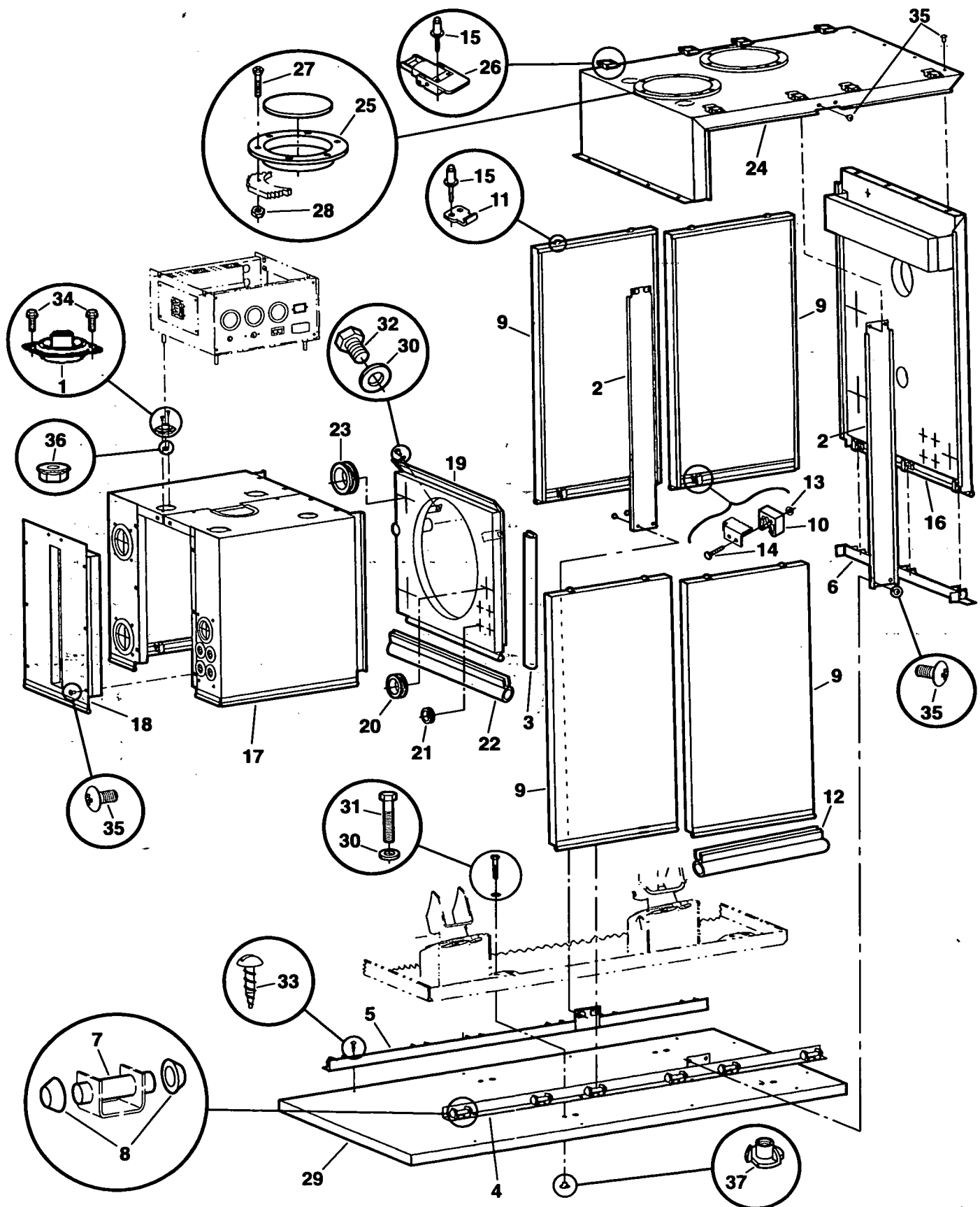
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2857-04	1	Cover, Control Box	12	508-0210	1	Edging
2	821-0005	12	Screw, Lock Head Flange (10-32 x 1/2")	13	508-0116	1	Grommet
3	305-0896	1	Regulator, Voltage (SRA) (VR1)	14	718-1036	1	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
4	871-0016	2	Nut, (1/4-32)	15	856-0008	2	Washer, EIT Lock (5/16")
5	856-0006	3	Washer, ET (1/4-20)	16	319-2856-03	1	Box, Control
6	526-0052	2	Washer, Brass (1/4-20)	17	337-2795	1	Strap, Bond
7			Breaker, Circuit (CB2)	18	810-0155	1	Bolt, Brass (1/4-20 x 1-1.4")
	320-1689-18	1	100A	19	821-0008	1	Screw, Round Head Machine (1/4-20 x 5/16")
	320-1836-15		85A	20	319-2917-03	1	Panel, VR Access
	320-1836-14	1	80A	21	508-0179	1	Bushing, Strain Relief
	320-1891-07		45A	22	870-0398	4	Clip, Nut (#10-32)
	320-1891-08		40A	23	821-0005	3	Screw, Lock Head Flange (#10-32 x 1/2")
8	821-0004	4	Screw, Lock Head (#10-32 x 5/16")	24	332-2370	1	Standoff
9			Panel Assy, Control (See Separate Page for Components)	25	338-3387	1	Harness, Engine Wiring (Includes Circuit Breaker, Boot Nut and Cable Tie)
			With Gauges	26	320-1928-01	1	Breaker, Circuit (CB3)
	300-4658	1	12V Sets	27	416-1021-03	1	Boot
	300-4662	1	24V Sets	28	870-0131	2	Nut, ET Hex (#10-32)
			Without Gauges	29	332-0942	1	Tie, Cable (Use as Required)
	300-4659	1	12V Sets				
	300-4663	1	24V Sets				
10	815-0550-01	4	Screw, Cross Recessed ET Pan Head (#6-32 x 3/8")				
11			Panel, Breaker				
	319-2108-03	1	2 Pole				
	319-2113-03	1	3 Pole				

Control Box Mount



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2494-03	1	Support, Control Bracket	6	815-0498	8	Screw, Hex Head Thread Forming (8-32 x 3/8")
2	319-2954-04	1	Bracket, Control Mounting	7	718-1035	12	Screw, Hex Head Cap (M8 x 16)
3	319-2493-03	1	Support, Control Bracket	8	850-2008	12	Washer, Lock (M8)
4	402-0681	4	Isolator, Vibration	9	870-0257	4	Nut, Self-Lock (5/16-18)
5	503-2040	1	Clip, Tube				

Sound Shield



Sound Shield

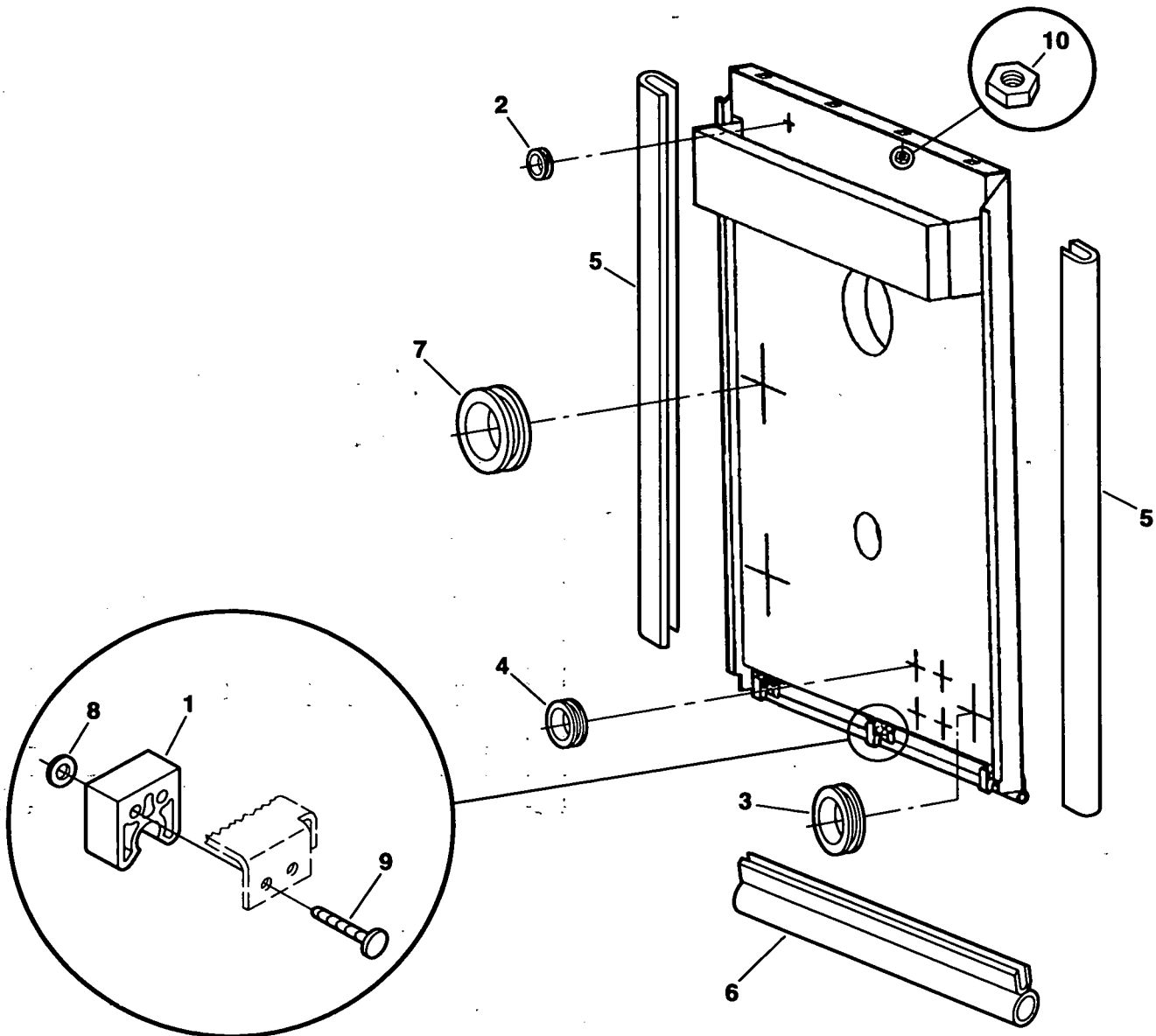
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	402-0681	4	Isolator, Vibration	20	508-0115	2	◇ Grommet, Rubber
2	405-5517	2	Support Assy, Roof (Includes Edging)	21	508-0117	6	◇ Grommet, Rubber
3	508-0210	1	+◇ Edging (Use As Required)	22	508-0330	1	◇ Seal, Edge (Use As Required)
4	405-5499	1	Rail Assy, Door - Left Side (Includes Pin and Nut)	23	508-1095	2	◇ Grommet, Rubber
5	405-5544	1	Rail Assy, Door - Right Side (Includes Pin and Nut)	24	405-5503-02	1	Roof Assy, Housing (Includes Parts Marked +)
6	405-5018	1	Rail Assy, Door - Front (Includes Pin and Nut)	25	405-4528	2	+ Cover, Access
7	405-3111	15	Pin, Clip	26	406-0528-02	8	+ Catch, Spring
8	870-0400	30	Nut, Push Cap	27	815-0807	12	+ Screw, Cross Fillister Recessed
9	405-5514-02	4	Door Assy, Housing (Includes Parts Marked *)	28	870-0427	12	+ Nut, Hex (#10-24)
10	405-1872	2	* Clip, Door	29	405-5502-03		Base, Housing
11	406-0528-01	2	* Catch, Spring	30	526-0022	6	Washer, Flat (M8)
12	508-1011	1	* Seal, Edge (Use As Required)	31	800-0540	4	Screw, Hex Head Cap (5/16-18 x 1-5/8")
13	526-0003	4	* Washer, Flat (#8)	32	800-2052	2	Screw, Hex Head Cap (M8 x 1.25 x 12mm)
14	818-0150	4	* Rivet, Drive	33	808-0045	12	Screw, Round Head Sheet Metal (#12 x 1-1/2)
15	818-0194	36	+* Rivet, Stainless Steel	34	815-0498	8	Screw, Thread Forming Hex Head (#8-32 x 3/8")
16	405-5511-01	1	Panel Assy, Front (See Separate Page for Components)	35	815-0765	30	Screw, Truss (1/4-20 x 1/2")
17			Housing Assy, Generator (See Separate Page for Components)	36	870-0257	4	Nut, Self-Lock (5/16-18)
	405-5505	1	Right Side	37	870-0413	4	Nut, Tee
	405-5508	1	Left Side				
18	405-5522	1	Panel, Generator Housing (Includes Edging)				
19	405-5519	1	Baffle Assy, Generator (Includes Parts Marked ◇)				

* - Included in Housing Door Assy.

◇ - Included in Generator Baffle Assy.

+ - Included in Housing Roof Assy.

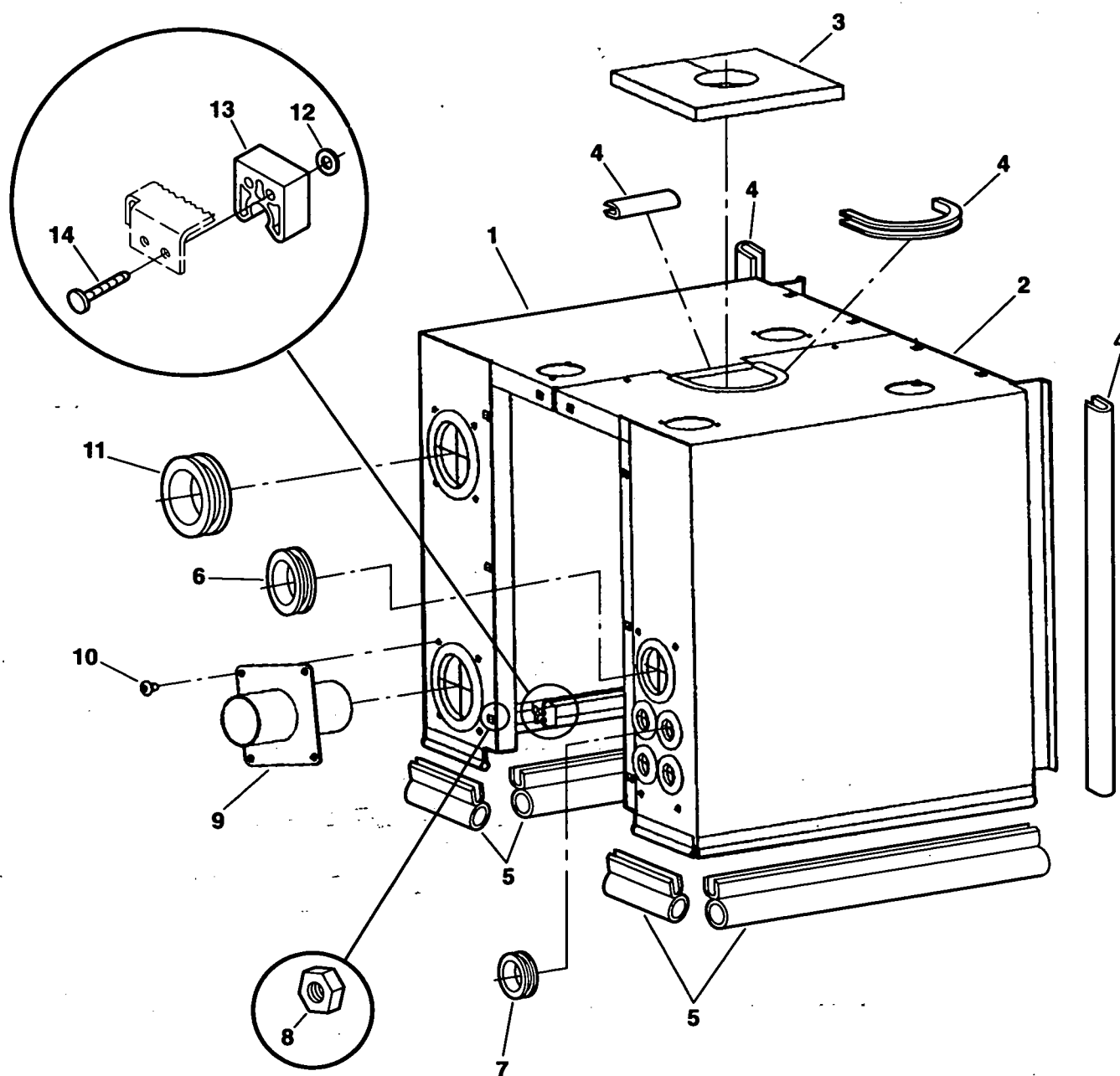
Housing Front Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	405-5511-01	1	Panel Assy, Front
1	405-1872	3	Clip, Door
2	508-0021	1	Grommet, Rubber
3	508-0115	1	Grommet, Rubber
4	508-0117	4	Grommet, Rubber
5	508-0210	1	Edging (Use As Required)

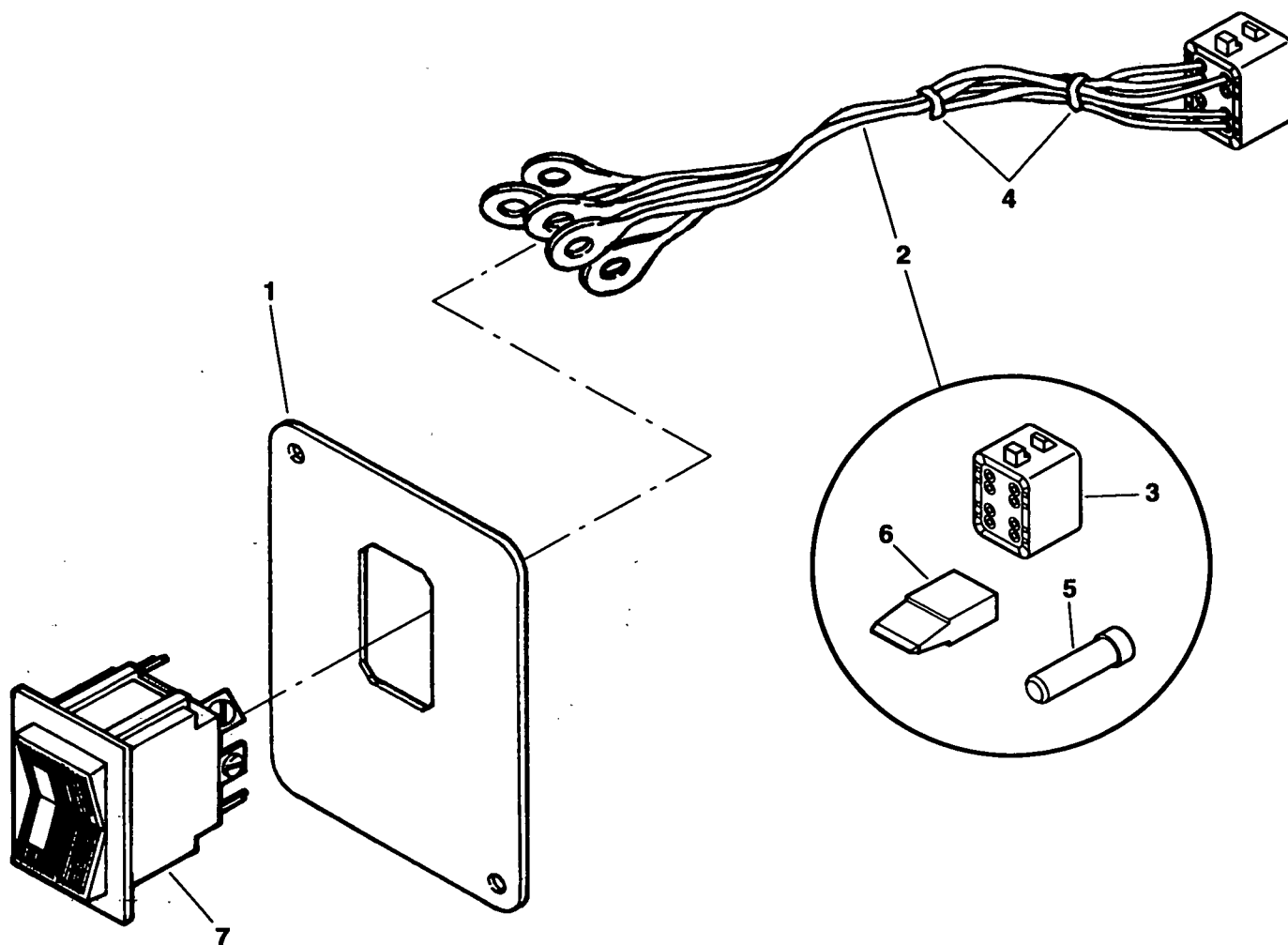
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	508-1011	1	Seal, Edge (Use As Required)
7	508-1095	2	Grommet, Rubber
8	526-0003	6	Washer, Flat (#8)
9	818-0150	6	Rivet, Drive
10	870-0110	4	Nut, Retainer(1/4-20)

Generator Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5505	1	Housing, Generator Right Side	8	870-0110	14	Nut, Retainer (1/4-20)
2	405-5508	1	Housing, Generator Left Side	9	405-5703-03	1	Bulkhead
3	405-5114	1	Insulation, Control Box	10	815-0765	4	Screw, Truss Head
4	508-0210	1	Edging (Use As Required)	11	508-1095	1	Grommet, Rubber (Right Side Housing)
5	508-1011	1	Seal, Edge (Use As Required)	12	526-0003	8	Washer, Flat (#8)
6	508-0115	1	Grommet, Rubber (Left Side Housing)	13	405-1872	4	Clip, Door
7	508-0117	4	Grommet, Rubber (Left Side Housing)	14	818-0150	8	Rivet, Drive

Basic Remote Control Panel

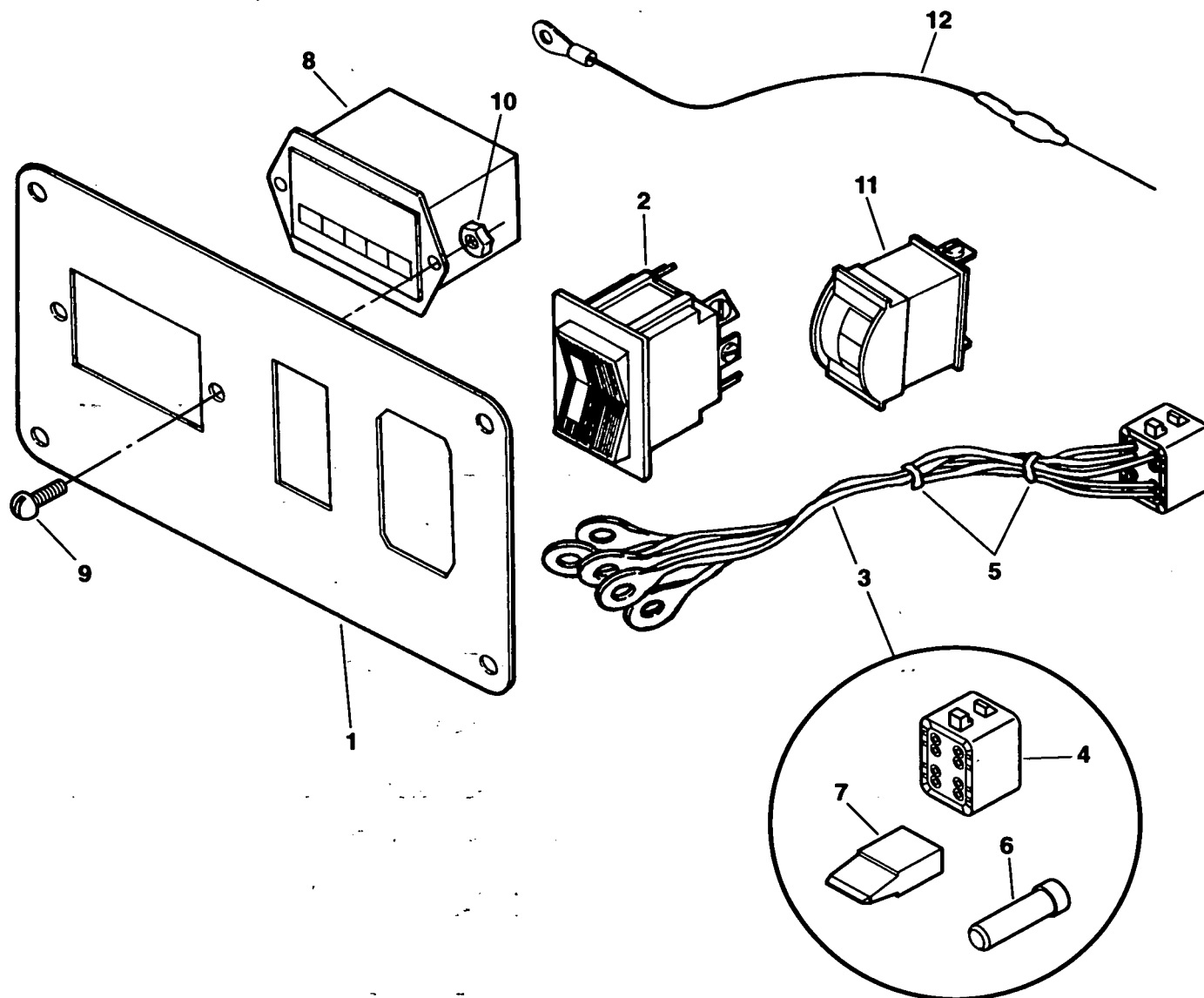


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4679	1	Panel Assy, Remote
	300-4680	1	12V Sets
	300-4680	1	24V Sets
1	319-0491	1	Panel, Remote
2	338-3170	1	Harness, Remote Panel (Includes Parts Marked *)
3	323-1541	1	*Plug (8 Pin)
4	332-0942	2	*Tie, Cable

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	323-1591	3	*Plug, Connector
6	323-1543	1	*Wedge, Plug (8 Pin)
7	308-0827	1	Switch, Rocker
	308-0975	1	12V Sets
	308-0975	1	24V Sets

* - Parts Included in Remote Panel Harness.

Deluxe Remote Control Panel

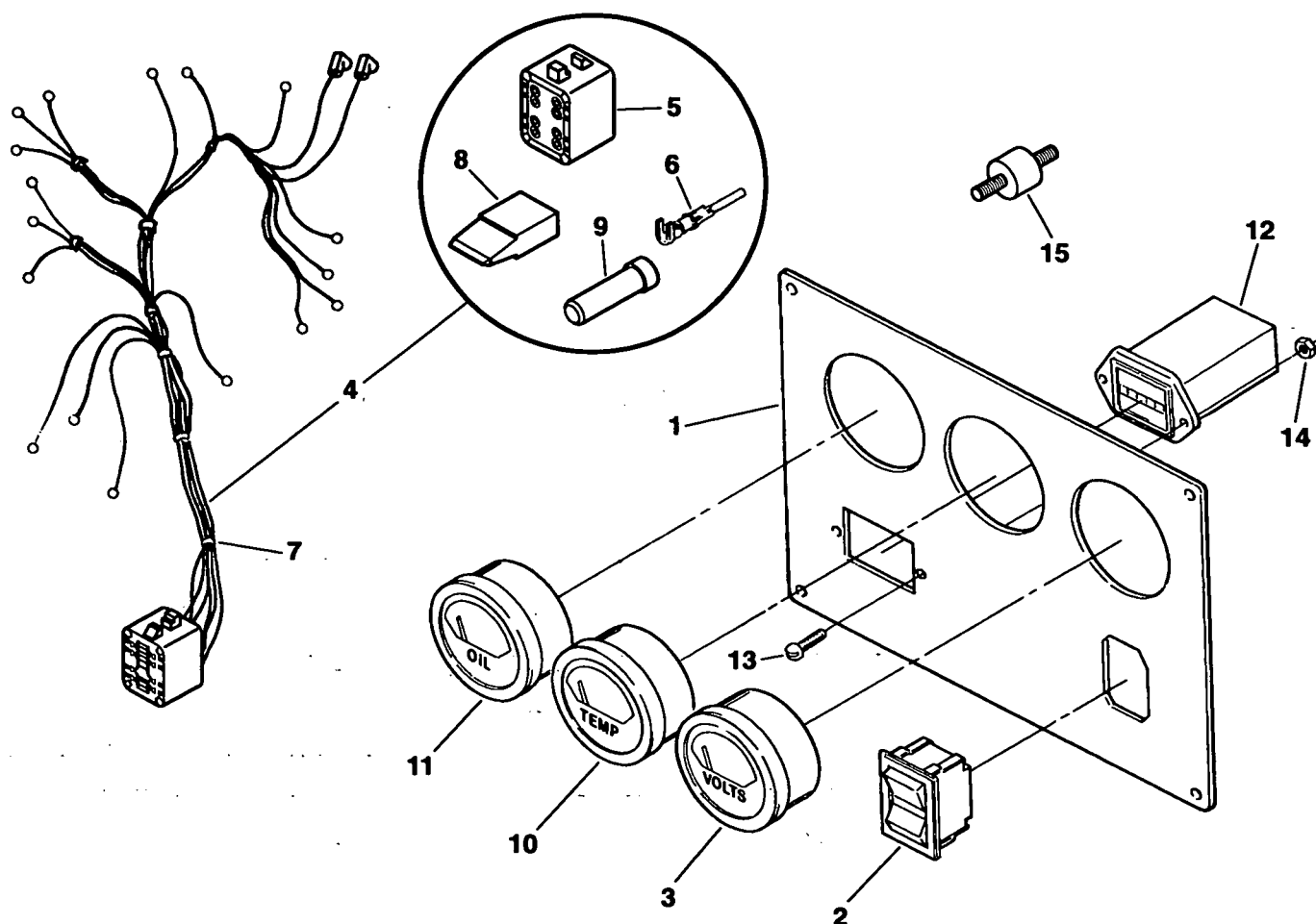


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4681	1	Panel Assy, Deluxe Remote (12V Only)
1	319-0492	1	Panel, Remote
2	308-0827	1	Switch, Rocker
3	338-3170	1	Harness, Remote Panel (Includes Parts Marked *)
4	323-1541	1	*Plug (8 Pin)
5	332-0942	2	*Tie, Cable
6	323-1591	3	*Plug, Connector
7	323-1543	1	*Wedge, Plug (8 Pin)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	302-0885	1	Meter, Running Time (M11)
9	815-0385	2	Screw, Round Head Machine (#6-32 x 1/2")
10	870-0183	2	Nut, Hex (#6-32)
11	302-0888	1	Meter, Battery Voltage (M14)
12	359-0034	1	Diode and Lead Assy

* - Parts Included in Remote Panel Wiring Harness.

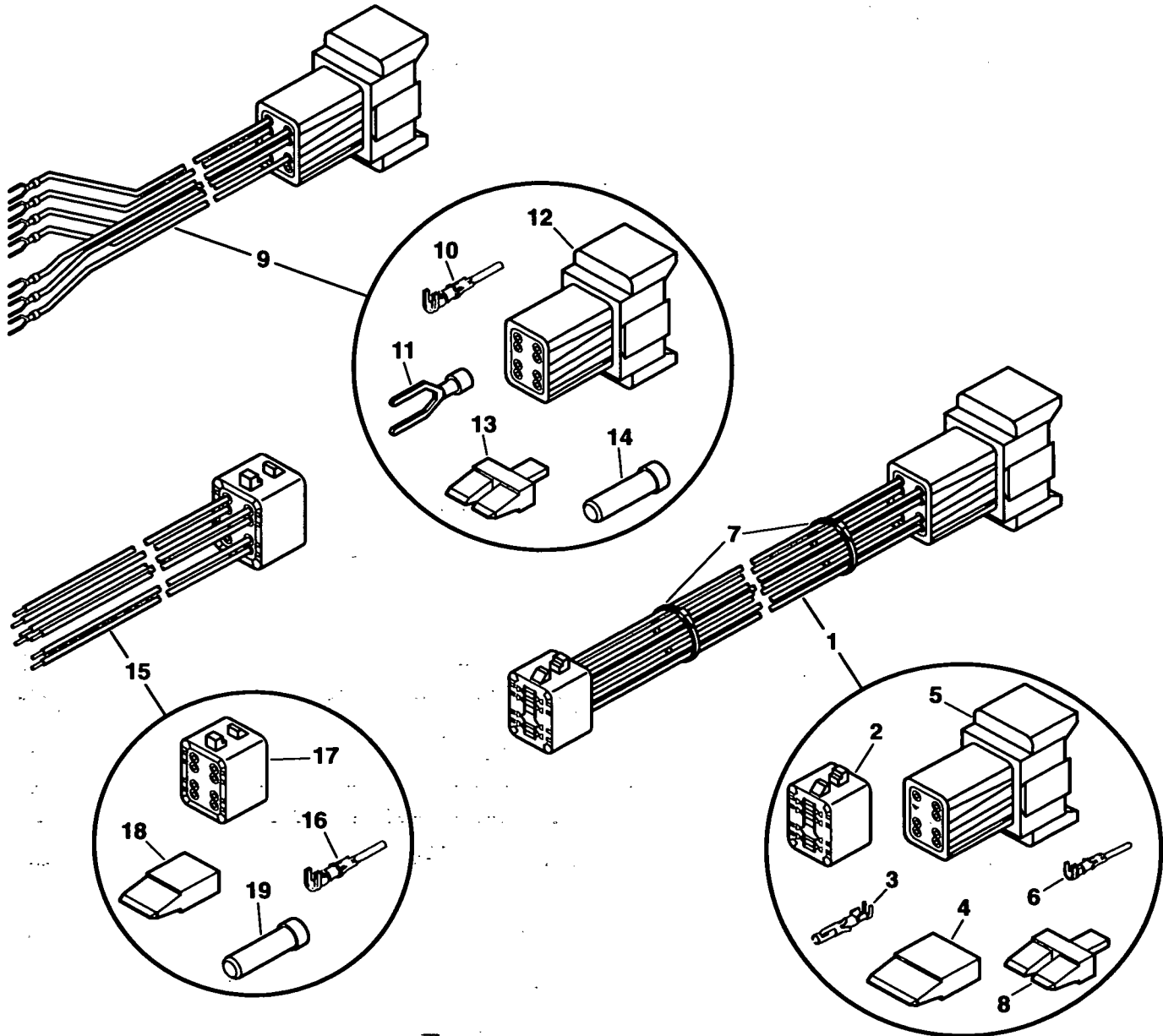
Remote Gauge Control Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4547	1	Panel Assy, Remote Gauge	7	332-0942	8	*Tie, Cable
	300-4684	1	12V Sets	8	323-1543	1	*Wedge, Plug (8 Pin)
			24V Sets	9	323-1591	1	*Plug, Seal
1	319-0141	1	Panel, Remote	10	193-0351	1	Gauge, Water Temperature (M13)
2			Switch, Rocker	11	193-0352	1	Gauge, Oil Pressure (M12)
	308-0827	1	12V Sets	12	302-0885	1	Meter, Running Time (M11)
	308-0975	1	24V Sets	13	815-0385	2	Screw, Round Head Machine (#6-32 x 1/2")
3			Meter, Voltage (M14)	14	870-0183	2	Nut, Hex (#6-32)
	302-1641	1	12V Sets (8-18V)	15	193-0250	2	Resistor, Gauge (24V Only)
	302-1642	1	24V Sets (18-34V)				
4	338-3171	1	Harness, Remote Panel (Includes Parts Marked *)				
5	323-1541	1	*Plug (8 Pin)				
6	323-1491	1	*Pin, Contact (Use as Required)				

* - Parts Included in Remote Panel Harness.

Remote Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Remote Extension (Includes Parts Marked #)
	338-3167	1	15 feet
	338-3168	1	25 feet
	338-3169	1	45 feet
2	323-1541	1	#Plug (8 Pin)
3	323-1492	8	#Terminal, Socket
4	323-1543	1	#Wedge, Plug (8 Pin)
5	323-1542	1	#Receptacle (8 Pin)
6	323-1491	8	#Terminal, Pin
7	332-0942	1	#Tie, Cable (Use as Required)
8	323-1544	1	#Wedge, Receptacle (8 Pin)
9	338-3093	1	Harness, Remote (21") (Includes Parts Marked °)
10	323-1492	7	°Terminal, Pin

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	332-2683	7	°Terminal, Spade
12	323-1542	1	°Housing, Receptacle (8 Pin)
13	323-1544	1	°Wedge, Receptacle (8 Pin)
14	323-1591	1	°Plug
15	338-3098	1	Harness, Custom Remote (Includes Parts Marked *)
16	323-1491	7	*Terminal, Pin
17	323-1541	1	*Plug (8 Pin)
18	323-1543	1	*Wedge, Plug (8 Pin)
19	323-1591	1	*Plug, Connector

- Parts Included in Remote Extension Harness.

° - Parts Included in Remote Extension Harness.

* - Parts Included in Custom Remote Harness.

Labels, Kits

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98-6757	1	Label, Voltage Regulator		98-5347	1	Label, Danger (Voltage)
			Label, Control Front		98-5755	1	Label, Warning (Backfeed)
	98-6860	1	With Gauges		98-6388-01	1	Label, Phone Info
	98-6925	1	Without Gauges		98-1714	1	Label, Onan (Housed Sets)
	98-6861	1	Label, Control Back		98-5161	1	Label, Coolant (Housed Sets)
	98-6862	1	Label, Control Top		98-6997	1	Label, Lifting Eye (Housed Sets)
	98-7246	1	Label, Dual Gauge		98-5667	1	Label, Warning (Coolant)
	98-6953	1	Label, Recon Chart		98-6995	6	Label, Warning (Housed Sets)
	98-5948	1	Decal, Front Panel - Basic		130-3574	1	Kit, Recovery Tank (Includes
			Remote Control				Parts Marked *)
	98-5945	1	Decal, Rear Panel - Basic		503-1527	1	*Elbow, Molded Exhaust
			Remote Control		503-1142	4	*Clamp, Hose
	98-5947	1	Decal, Front Panel - Deluxe		332-2112	1	*Insulator, Terminal
			Remote Control		154-2699	1	*Tube, Exhaust
	98-5944	1	Decal, Rear Panel - Deluxe		503-0032	1	*Clamp, Hose
			Remote Control		503-1276	1	*Hose
	98-5803	1	Decal, Front Panel - Remote		338-2102	1	*Harness, Remote
			Gauge Control		300-4835	1	Kit, Dual Gauge Switch
	98-5761	1	Decal, Rear Panel - Remote				(Includes Switch, Cap, Label
			Gauge Control				and Washers)
	98-2235-02	1	Label, Ground		308-1072	1	Cap, Switch
	98-4798-01	1	Label, Warning (Rotating Parts)		308-1073	1	Switch
			(Unhoused Sets)		850-0038	2	Washer, Lock
			Label, No Step				
	98-6996	1	Unhoused Sets				
	98-6996	2	Housed Sets				
	98-6074-02	1	Label, Warning (Operation)				

* - Parts Included in Coolant Recovery Tank Kit.

Generator Set Data Table

Spec Number	Wiring Diagram		Volts	Phase	Spec Number	Wiring Diagram		Volts	Phase
	AC	— DC				AC	— DC		
11346A	612-6673	612-6665	12V	3	66911A	612-6666	612-6667	24V	1
11357A	612-6673	612-6667	24V	3	66917A	612-6666	612-6665	12V	1
11366A	612-6673	612-6665	12V	3	66918A	612-6666	612-6665	12V	1
11370A	612-6673	612-6665	12V	3	66919A	612-6666	612-6665	12V	1
11472A	612-6673	612-6665	12V	3	66920A	612-6666	612-6665	12V	1
66903A	612-6666	612-6665	12V	1	66921A	612-6666	612-6667	24V	1
66904A	612-6666	612-6665	12V	1	66922A	612-6666	612-6667	24V	1
66905A	612-6666	612-6665	12V	1	66923A	612-6666	612-6667	24V	1
66906A	612-6666	612-6665	12V	1	66924A	612-6666	612-6667	24V	1
66907A	612-6666	612-6667	24V	1					
66909A	612-6666	612-6667	24V	1					
66910A	612-6666	612-6667	24V	1					

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-1714, 64		130-4235-02, 37		154-2915, 39		185-2412, 18	
098-2235-02, 64		130-4381-03, 45		154-2963-02, 40		185-2414, 18	
098-4798-01, 64		130-4382-03, 45		154-3002, 39		185-2461, 13	
098-5161, 64		130-4434, 35		154-3006, 39		185-2564, 42	
098-5347, 64		130-4491-03, 45		155-2413, 40		185-2565, 33	
098-5667, 64		130-4492-03, 45		155-2975, 39, 40		185-2777, 22	
098-5755, 64		130-4518-02, 35		155-2981, 40		185-2961, 43, 44	
098-5761, 64		130-4628-03, 35		155-3061, 39		185-3397, 23	
098-5803, 64		130-4652-03, 45		155-3068-02, 40		185-4255, 23, 42	
098-5944, 64		132-0293, 35		155-3069-02, 40		185-5126, 22	
098-5945, 64		132-0346, 35		179-1448-02, 41		185-5337, 20	
098-5947, 64		132-0347, 35		179-1452-02, 41		185-5407, 21, 22	
098-5948, 64		132-0349, 35		185-2094, 7		185-5443, 22	
098-6074-02, 64		132-0350, 35		185-2095, 7, 18		185-5445, 42	
098-6388-01, 64		140-3021, 38		185-2105, 23		185-5447, 42	
098-6757, 64		140-3048, 38		185-2125, 29		185-5476, 24	
098-6860, 64		149-1908-07, 27		185-2188, 18		185-5495, 24	
098-6861, 64		149-1914-05, 28		185-2233, 7		185-5505, 22	
098-6862, 64		149-1949, 28		185-2234, 7		185-5529, 23	
098-6925, 64		149-1952, 28		185-2283, 23		185-5558, 9	
098-6953, 64		149-1953, 28		185-2284, 23		185-5612, 20	
098-6995, 64		149-2045, 28		185-2338, 7, 13, 21		185-5613, 20	
098-6996, 64		149-2046, 28		185-2347, 14		185-5615, 20	
098-6997, 64		149-2047, 28		185-2349, 21, 22		185-5676, 36	
098-7246, 64		149-2100-01, 26		185-2350, 7		185-5691, 23	
100-3327-01, 7		149-2106, 26		185-2351, 13		185-5693, 23	
100-3327-02, 7		149-2235, 26		185-2352, 7		185-5696, 23	
101-0811, 17		149-2331-01, 26		185-2362, 15, 33		185-5768, 43, 44	
101-0821, 17		149-2435-03, 27		185-2367, 15, 18, 19, 32, 33		185-5769, 43, 44	
102-1448-02, 24		149-2436, 26		185-2385, 20		185-5770, 43	
104-1666, 17		149-2437, 26		185-2388, 13		185-5771, 43, 44	
104-1927, 17		149-2487, 27		185-2389, 13, 22, 32		185-5772, 43	
110-2752, 19		149-2488, 20, 25		185-2390, 22, 23		185-5773, 43	
115-0025, 29		149-2489-03, 20, 25		185-2392, 14		185-5774, 43, 44	
120-1221, 15		149-2490, 27		185-2400, 9		185-5775, 43, 44	
120-1319, 25		149-2531-04, 26		185-2402, 15, 33, 38		185-5776, 43	
122-0810, 22		150-2567-03, 29		185-2403, 11		185-5777, 43	
122-0813, 25		150-2579, 29		185-2404, 11, 32		185-5781, 44	
130-2248, 37		154-2699, 64		185-2405, 22		185-5782, 43	
130-3574, 64		154-2891, 39				185-5783, 43, 44	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
185-5784, 43, 44		185-5890, 11		185-5958, 12		185-6044, 24	
185-5785, 43, 44		185-5891, 11		185-5959, 12, 14		185-6045, 24	
185-5786, 43, 44		185-5892, 11		185-5960, 12, 14		185-6047, 24	
185-5787, 43, 44		185-5893, 11		185-5961, 12		185-6048, 18	
185-5788, 43, 44		185-5896, 11		185-5962, 12		185-6049, 18	
185-5789, 43, 44		185-5897, 11		185-5963, 12		185-6050, 18	
185-5790, 43, 44		185-5898, 11		185-5966, 12		185-6054, 21	
185-5791, 43		185-5899, 11		185-5969, 13		185-6061, 24	
185-5826, 33		185-5900, 9		185-5970, 13		185-6062, 11	
185-5833, 22		185-5901, 9		185-5971, 13		185-6063, 11	
185-5837, 7		185-5905, 9		185-5985, 20		185-6064, 9	
185-5840, 7		185-5906, 9		185-5990, 20		185-6065, 9	
185-5841, 7		185-5909, 9		185-5994, 42, 43		185-6066, 9	
185-5842, 7		185-5910, 9		185-5999, 33		185-6067, 9	
185-5843, 7, 22		185-5911, 9		185-6000, 33		185-6069, 9	
185-5844, 7		185-5912, 9		185-6001, 33		185-6074, 10	
185-5845, 7		185-5913, 10		185-6003, 33		185-6075, 10	
185-5846, 7		185-5914, 10		185-6004, 33		185-6076, 10	
185-5847, 7		185-5915, 10		185-6005, 33		185-6078, 22	
185-5849, 7		185-5916, 10		185-6007, 32		185-6079, 8	
185-5859, 18		185-5917, 10		185-6011, 32		185-6080, 8	
185-5861, 18		185-5921, 10		185-6012, 32		185-6081, 8	
185-5862, 18		185-5922, 10		185-6016, 19		185-6082, 8	
185-5863, 18		185-5924, 8		185-6017, 19		185-6083, 8	
185-5865, 18		185-5929, 8		185-6018, 19		185-6084, 8	
185-5867, 18		185-5938, 8		185-6019, 19		185-6085, 8	
185-5868, 18		185-5939, 8		185-6022, 19		185-6086, 8	
185-5869, 22		185-5940, 8		185-6023, 19		185-6088, 8	
185-5870, 22		185-5941, 8		185-6025, 19		185-6089, 8	
185-5872, 22		185-5947, 12		185-6026, 19		185-6091, 15	
185-5873, 22		185-5948, 12		185-6027, 19		185-6094, 20	
185-5874, 22		185-5949, 12		185-6028, 19		185-6095, 20	
185-5875, 22		185-5950, 12		185-6029, 19		185-6096, 20	
185-5876, 22		185-5951, 12		185-6030, 19		185-6097, 20	
185-5877, 22		185-5952, 12		185-6038, 7		185-6098, 20	
185-5878, 22		185-5953, 12		185-6039, 7		185-6099, 20	
185-5879, 22		185-5954, 12		185-6040, 7		185-6100, 20	
185-5880, 22		185-5955, 12		185-6041, 7		185-6103, 33	
185-5888, 21		185-5956, 12		185-6042, 7		185-6107, 19	
185-5889, 11		185-5957, 12, 14		185-6043, 7		185-6108, 19	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
185-6121, 7		185-6197, 22		185-6784, 29		185-7001, 23	
185-6124, 22		185-6207, 9		185-6785, 42		185-7004, 20	
185-6125, 22		185-6209, 10		185-6786, 42		185-7012, 42	
185-6134, 13		185-6211, 12		185-6788, 33		185-7020, 32	
185-6135, 13		185-6213, 13		185-6789, 19		185-7021, 32	
185-6142, 16		185-6216, 16		185-6794, 15		185-7031, 7	
185-6143, 16		185-6217, 16		185-6796, 15		185-7036, 8	
185-6144, 16		185-6218, 16		185-6798, 15, 16		185-7039, 12	
185-6145, 16		185-6219, 16		185-6799, 14		185-7040, 12	
185-6146, 16		185-6220, 16		185-6800, 14		185-7041, 13	
185-6147, 16		185-6225, 20		185-6801, 14		185-7042, 13	
185-6148, 16		185-6228, 42		185-6803, 38		185-7045, 15	
185-6151, 16		185-6242, 19		185-6804, 21		185-7048, 23	
185-6152, 16		185-6347, 42		185-6809, 44		185-7050, 20	
185-6153, 16		185-6418, 15		185-6810, 44		185-7052, 42	
185-6154, 16		185-6440, 42		185-6811, 44		185-7053, 42	
185-6155, 16		185-6630, 42		185-6812, 44		185-7054, 42	
185-6158, 14		185-6710, 32		185-6813, 44		185-7055, 42	
185-6160, 14		185-6711, 22		185-6814, 44		185-7056, 44	
185-6161, 14		185-6712, 22		185-6815, 44		185-7060, 33	
185-6163, 14		185-6718, 21		185-6816, 44		185-7061, 32	
185-6164, 14		185-6719, 21		185-6819, 44		185-7062, 32	
185-6165, 14		185-6720, 21		185-6820, 44		185-7063, 19	
185-6168, 23		185-6721, 21		185-6821, 32		185-7064, 39	
185-6169, 23		185-6722, 21		185-6929, 24		185-7065, 38	
185-6171, 23		185-6723, 38		185-6956, 12		191-1431, 30, 31	
185-6172, 14		185-6724, 42, 44		185-6957, 15, 18, 19, 22, 32, 33		191-1432, 30, 31	
185-6173, 14		185-6725, 20		185-6960, 22		191-1433, 30, 31	
185-6174, 23		185-6726, 13		185-6967, 21		191-1436, 30, 31	
185-6175, 23		185-6733, 42		185-6974, 8		191-1437, 30, 31	
185-6176, 23		185-6759, 7, 23, 42		185-6975, 8		191-1438, 30	
185-6178, 23		185-6762, 18		185-6976, 8		191-1439, 30, 31	
185-6180, 23		185-6771, 10		185-6977, 8		191-1440, 31	
185-6186, 43		185-6772, 36		185-6980, 24		191-1441, 30, 31	
185-6187, 43		185-6774, 13		185-6982, 36		191-1442, 30, 31	
185-6188, 43		185-6775, 13		185-6985, 13		191-1444, 30, 31	
185-6189, 43		185-6778, 16		185-6993, 16		191-1445, 30, 31	
185-6190, 43		185-6779, 14		185-6994, 16		191-1446, 30, 31	
185-6191, 43		185-6780, 14		185-6999, 14		191-1447, 30, 31	
185-6195, 24		185-6781, 14				191-1448, 30, 31	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
191-1449, 30, 31		302-0885, 51, 61, 62		320-1836-14, 53		338-3387, 53	
191-1450, 30, 31		302-0888, 61		320-1836-15, 53		352-0194, 51	
191-1550, 17, 31		302-1641, 51, 62		320-1862-01, 51		352-0195, 51	
191-1606, 31		302-1642, 51, 62		320-1863, 51		352-0196, 51	
191-1607, 31		304-0796, 26		320-1891-07, 53		352-0197, 51	
191-1608, 31		304-0797, 26		320-1891-08, 53		352-0198, 51	
191-1609, 31		304-0828-02, 26		320-1928-01, 53		353-0053, 51	
191-1959, 17, 30		305-0548, 51		323-1491, 62, 63		357-0030, 51	
191-1960, 31		305-0896, 53		323-1492, 51, 63		358-0069, 49	
191-1991, 30		307-1886, 51		323-1541, 60, 61, 62, 63		358-0070, 49	
191-1992, 30		307-2643, 51		323-1542, 63		359-0034, 61	
191-1993, 30		307-2808-02, 29		323-1543, 60, 61, 62, 63		402-0681, 55, 57	
191-1994, 30		307-2817-01, 51		323-1544, 63		403-3913-03, 7	
193-0244, 25		307-2817-02, 51		323-1546, 51		403-3947-02, 46	
193-0250, 51, 62		307-2820, 29		323-1548, 51		403-3955, 46	
193-0318, 33		307-2820-01, 29		323-1591, 60, 61, 62, 63		403-3972-03, 46	
193-0351, 51, 62		307-2828-01, 51		332-0942, 53, 60, 61, 62, 63		403-4059-03, 46	
193-0352, 51, 62		307-2828-02, 51		332-2112, 64		405-1872, 57, 58, 59	
201-3517-06, 49		308-0827, 60, 61, 62		332-2370, 53		405-3111, 57	
205-0229-02, 49		308-0975, 60, 62		332-2634, 35, 38		405-4528, 57	
211-0435-01, 49		308-1027, 51		332-2683, 63		405-5018, 57	
220-4413-02, 49		308-1072, 64		332-3296, 51		405-5114, 59	
220-4417-06, 49		308-1073, 64		332-3297, 51		405-5499, 57	
220-4451-06, 49		309-0561-05, 25		332-3298, 51		405-5502-03, 57	
232-3672-03, 49		309-0597, 39		332-3298, 51		405-5503-02, 57	
232-3705-03, 49		309-0601, 33		332-3385, 51		405-5505, 57, 59	
232-3706-02, 49		319-0141, 62		337-2785, 47		405-5508, 57, 59	
232-3826-02, 49		319-0491, 60		337-2795, 53		405-5511-01, 57, 58	
234-0876-01, 49		319-0492, 61		338-2102, 64		405-5514-02, 57	
234-0935-02, 49		319-2108-03, 53		338-3093, 63		405-5517, 57	
300-4547, 62		319-2113-03, 53		338-3098, 63		405-5519, 57	
300-4658, 51, 53		319-2493-03, 55		338-3167, 63		405-5522, 57	
300-4659, 51, 53		319-2494-03, 55		338-3168, 63		405-5544, 57	
300-4662, 51, 53		319-2856-03, 53		338-3169, 63		405-5703-03, 59	
300-4663, 51, 53		319-2857-04, 53		338-3170, 60, 61		406-0528-01, 57	
300-4679, 60		319-2917-03, 53		338-3171, 62		406-0528-02, 57	
300-4680, 60		319-2954-04, 55		338-3246, 51		416-1021-03, 53	
300-4681, 61		320-1140, 51		338-3247, 51		502-0002, 26, 27	
300-4684, 62		320-1689-18, 53		338-3248, 51		502-0003, 20, 25	
300-4835, 64		320-1710, 51		338-3249, 51		502-0005, 20, 25	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
502-0020, 20, 25		508-0116, 53		740-1004, 14, 39, 40		815-0807, 57	
502-0028, 25, 26		508-0117, 57, 58, 59		740-1006, 14, 18, 19		815-0843, 49	
502-0041, 26, 27		508-0179, 53		750-1006, 39		818-0150, 57, 58, 59	
502-0053, 25		508-0210, 53, 57, 58, 59		750-1010, 46		818-0194, 57	
502-0099, 26		508-0330, 57		775-0061, 17		821-0004, 51, 53	
502-0153, 28, 37		508-1011, 57, 58, 59		800-0051, 49		821-0005, 53	
502-0175, 26, 27		508-1073, 49		800-0310-02, 49		821-0008, 53	
502-0819, 24		508-1095, 57, 58, 59		800-0310-27, 49		822-2160-37, 49	
502-1006, 24		509-0094, 49		800-0310-36, 49		850-0025, 39	
502-1211, 25		509-0254, 24		800-0310-64, 49		850-0030, 51	
502-1244, 20, 25		510-0112, 49		800-0540, 57		850-0038, 64	
502-1245, 20		518-0515, 33		800-2029, 29, 38, 45		850-0114-06, 49	
502-1273, 24		518-0656, 29		800-2034, 29		850-2006, 26, 29, 38, 45	
503-0032, 64		520-1005, 17		800-2052, 57		850-2008, 26, 27, 40, 55	
503-0976, 35		520-1006, 17		800-2054, 37		853-0013, 49	
503-1137, 35, 41		526-0003, 57, 58, 59		800-2057, 47		853-0040-04, 49	
503-1138, 35, 37		526-0022, 57		800-2058, 27, 40		853-0040-05, 49	
503-1139, 38		526-0029, 17, 35		800-2067, 39		856-0003, 26	
503-1142, 39, 64		526-0049, 51		800-2113, 17		856-0006, 17, 51, 53	
503-1143, 38		526-0052, 51, 53		800-2118, 46		856-0008, 17, 47, 53	
503-1144, 35		526-0145, 17		800-3005, 17		856-0013, 47	
503-1188, 41		526-0172, 46		800-3029, 25		860-0008, 39	
503-1276, 64		526-0174, 49		800-3030, 26, 27, 35, 46		860-2008, 26, 27, 47	
503-1527, 64		526-0329, 24		800-3031, 46, 47		870-0110, 58, 59	
503-1899, 37		526-0399-11, 49		800-3032, 17, 26, 27		870-0131, 53	
503-1977, 35		526-0399-42, 49		800-3033, 7		870-0131-01, 49	
503-1998, 35		526-0399-44, 49		802-0268, 40		870-0183, 51, 61, 62	
503-1999, 37		526-0409, 51		802-2068, 39		870-0257, 55, 57	
503-2009, 38		526-2100, 7, 35, 36, 37, 39		808-0045, 57		870-0398, 53	
503-2010, 39		526-2106, 46		810-0155, 51, 53		870-0400, 57	
503-2023, 41		526-2133, 26, 27, 46		812-0059, 51		870-0413, 57	
503-2025-20, 41		526-2140, 7, 17, 25, 26, 27, 46		812-0079, 51		870-0427, 57	
503-2034, 35		718-1019, 26		813-0102, 51		870-2054, 29	
503-2035, 35		718-1035, 55		813-0112, 26		871-0010, 51	
503-2036, 35		718-1036, 7, 26, 35, 46, 53		815-0181, 49		871-0015, 17	
503-2040, 55		718-1038, 39		815-0385, 51, 61, 62		871-0016, 51, 53	
504-0011, 24		718-1040, 21		815-0498, 55, 57		871-0025, 17	
505-0339-02, 40		718-1047, 45		815-0539, 51		895-0308, 49	
508-0021, 58				815-0550-01, 53			
508-0115, 57, 58, 59				815-0765, 57, 59			



Onan Corporation
1400 73rd Avenue N.E.
Minneapolis, MN 55432
1-800-888-ONAN
612-574-5000 International Use
Telex: 275477
Fax: 612-574-8087

Onan is a registered trademark of Onan Corporation