

Marine Genset Parts Catalog

MDKUB MDKWB

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\equiv	

981–0262C 3–2000 (Spec A–F)

Replaces 8–99 (Spec A–E)

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.

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

DANGER

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

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

PRODUCT SAFETY PRECAUTIONS

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 IN-STRUCTIONS in the Service Manual appropriate for the equipment you are working on.

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.

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!

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 REPRODUC-TIVE 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. Using the model and specification number from your generator set nameplate, select parts that apply to your set. 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
MDKUB/*	50/60
MDKWB/*	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.

Generator Set Data Table

		Wiring Diagra	m			
			DC	_		
Model Number	AC	Spec A-B	Begin Spec C	Voltage	He	<u>rtz</u>
MDKUB/42390	612-6621-05		612–6703	120	60	
MDKUB/54476	612–6621–19	612–6604	_	120/240	60	
MDKUB/54477	612–6621–18	612–6604	_	115/230	50	
MDKUB/56678	612-6621-06	612–6604	-	120	60	
MDKUB/56679	612–6621–12	612–6604	-	230	50	
MDKUB/58558	612–6621–18	612–6604	612–6703	115/230	50	
MDKUB/58559	612–6621–12	612–6604	612–6703	230	50	
MDKUB/64313	612–6621–18	612–6604	612–6703	115/230	50	
MDKUB/68572	612–6621–19	612–6604	612–6703	12/0240	60	
MDKUB/68605	612-6621-06	612–6604	612–6703	120	60	
MDKUB/95169	612–6621–18	_	612–6703	110/220	50	
MDKWB/54476	612–6621–21	612–6604–01	_	120/240	60	
MDKWB/54477	612-6621-20	612–6604–01	-	115/230	50	
MDKWB/56678	612–6621–11	612–6604–01	-	120	60	
MDKWB/56679	612-6621-02	612–6604–01	_	230	50	
MDKWB/58558	612-6621-20	612–6604–01	612–6703	115/230	50	
MDKWB/58559	612-6621-02	612–6604–01	612–6703	230	50	
MDKWB/60507	612–6621–11	612–6604–01	612–6703	120	60	
MDKWB/60508	612–6621–21	612–6703–01	612–6703	120/240	60	

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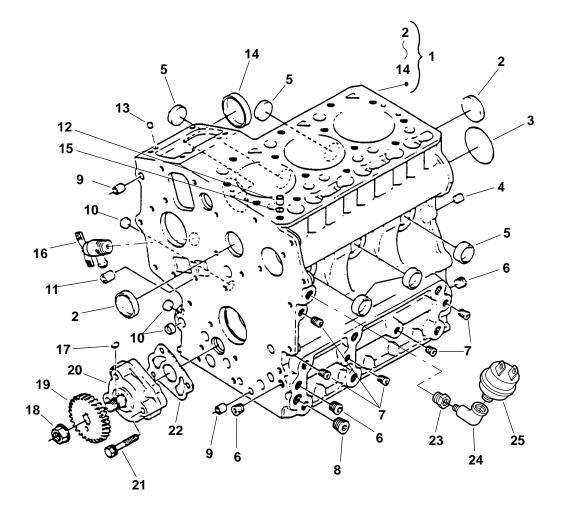
Tube, Oil Pickup, 46

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Valve, Delivery, Valve, Exhaust, Valve, Intake, Valve, Oil Drain Shutoff , Valve, Vacuum Relief,

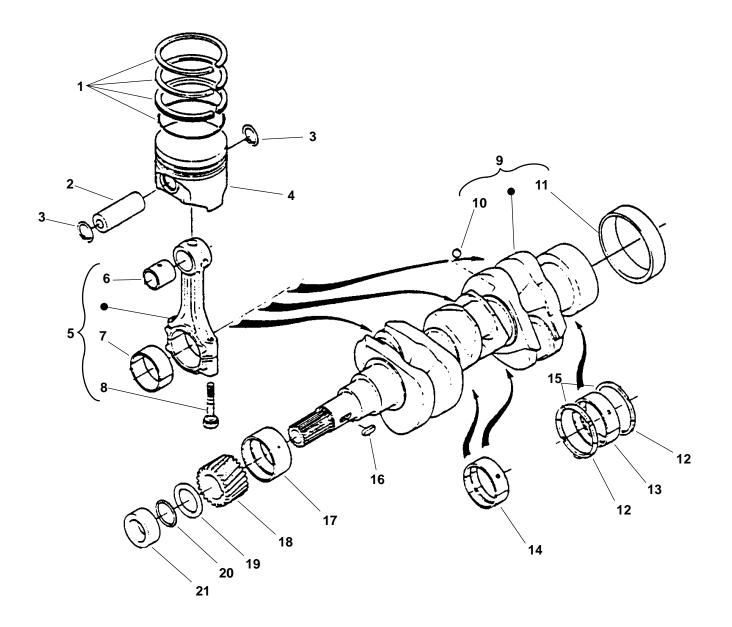
Wire, Retainer, **19** Wrapper, Control, **69**

Cylinder Block



REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1			Block Assy, Cylinder (Includes	12	185–2094	1	*Pin, Hollow
			Parts Marked *)	13	185–5486	2	*Pin, Straight
	185–5481	1	MDKUB (2 Cylinder)	14	185–5489	1	*Cover, Fuel Camshaft
	185–6704	1	MDKWB (3 Cylinder)	15	185–2095	1	O'Ring
2	185–5484	2	*Cap, Sealing	16	185–5490	1	Cock, Drain
3	185–5485	1	*Plug	17	185–5415	1	Key, Feather
4	185–5487	2	*Pin, Straight	18	185–5416	1	Nut, Hex Flange
5			*Cap, Sealing	19	185–5414	1	Gear, Oil Pump Drive
	185–5483	3	MDKUB	20	185–5412	1	Pump, Oil
	185–5483	5	MDKWB	21	185–5491	3	Screw, Hex Head Cap
6	185–2233	3	*Plug, Pipe	22	185–5413	1	Gasket, Oil Pump
7			*Plug, Pipe	23	502-0917	1	Adapter, Pipe
	185–2188	4	MDKUB	24	502-0053	1	Elbow, 45° Street
	185–2188	5	MDKWB	25	309–0578	1	Switch, Oil Pressure (S15)
8	185–2234	1	*Plug, Pipe				
9	185–2115	2	*Pin, Hollow				
10	185–5482	3	*Cap, Sealing	* _	Parts Include	d in Cylin	der Block Assy.
11	185–5488	2	*Pin, Hollow				

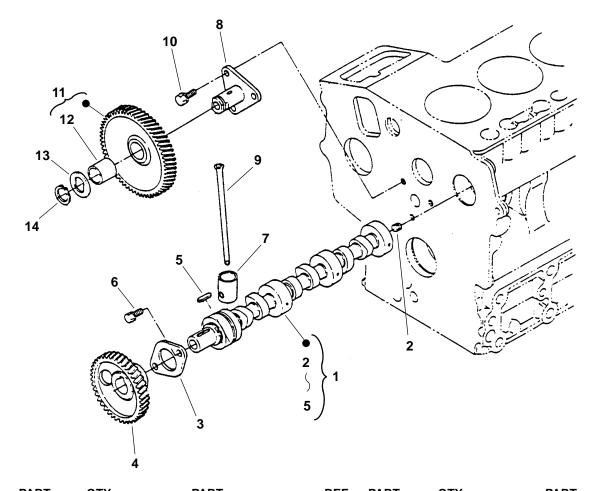
Crankshaft



Crankshaft

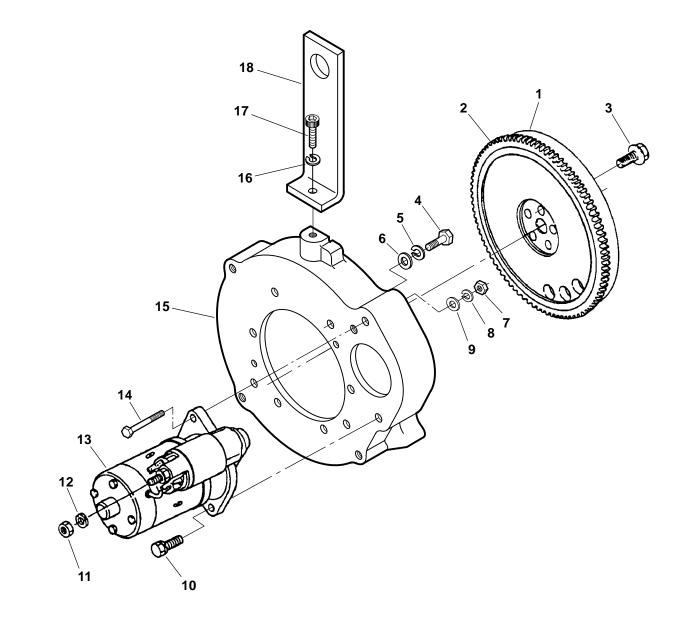
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Set, Piston Ring	8			Bolt, Connecting Rod
			Spec A–C		185–5570	4	MDKUB
			MDKUB		185–5570	6	MDKWB
	185–5567	2	Standard	9			Crankshaft (Includes Ball and
	185–5351	2	.25 mm				Sleeve)
			MDKWB		185–5574	1	MDKUB
	185–5567	3	Standard		185–6705	1	MDKWB
	185–5351	3	.25 mm	10			Ball
			Begin Spec D		185–5575	2	MDKUB
			MDKUB		185–5575	3	MDKWB
	185–7076	2	Standard	11	185–2033	1	Sleeve
	185–7386	2	.25 mm	12			Bearing, Thrust
			MDKWB		185–2023	2	Standard
	185–7076	3	Standard		185–2030	2	+ 0.2 mm
	185–7386	3	.25 mm		185–2031	2	+ 0.4 mm
2			Pin, Wrist	13			Set, Bearing
	185–5568	2	MDKUB		185–5581	1	Standard
	185–5568	3	MDKWB		185–5360	1	– 0.2 mm
3			Ring, Retaining		185–5361	1	– 0.4 mm
	185–2016	4	MDKUB	14			Set, Bearing
	185–2016	6	MDKWB				MDKUB
4			Piston		185–5580	1	Standard
			MDKUB		185–5356	1	– 0.2 mm
	185–5566	2	Standard		185–5357	1	– 0.4 mm
	185–5350	2	.25 mm				MDKWB
			MDKWB		185–5580	2	Standard
	185–5566	3	Standard		185–5356	2	– 0.2 mm
	185–5350	3	.25 mm		185–5357	2	– 0.4 mm
5			Rod Assy, Connecting (Includes	15			Bearing, Thrust
			Bushings and Bolt)		185–2022	2	Standard
	185-5569	2	MDKUB		185–2028	2	+ 0.2 mm
_	185–5569	3	MDKWB		185–2029	2	+ 0.4 mm
6		-	Bushing, Wrist Pin	16	185–2353	1	Key, Feather
	185–5358	2	MDKUB	17			Bushing, Crankshaft
	185–5358	3	MDKWB		185–5577	1	Standard
7			Bushing, Connecting Rod		185–5578	1	– 0.2 mm
		-	MDKUB		185–5579	1	– 0.4 mm
	185–5571	2	Standard		185–5576	1	Gear, Crankshaft
	185–5572	2	– 0.2 mm		185–5583	1	Slinger, Oil
	185–5573	2	– 0.4 mm	20	185–5584	1	O'Ring
		-	MDKWB	21	185–5582	1	Collar
	185–5571	3	Standard				
	185–5572	3	– 0.2 mm				
	185–5573	3	– 0.4 mm				

Camshaft



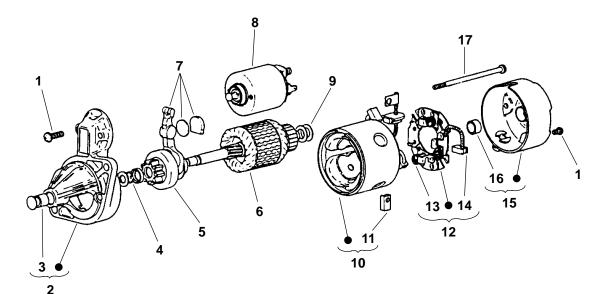
PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPT
		Camshaft Assy (Includes Parts	8	185–5565	1	Shaft, Idle Gear
		,	9			Rod, Push
		•				MDKUB
185–5556	1	_				MDKWB
185–5809	1	MDKWB	10	185–2387	3	Screw, Hex Head Cap W/ Lock
		Begin Spec D				Washer (M6 x 14)
185–7384	1	MDKUB	11	185–5562	1	Gear, Idle (Includes Bushing)
185–7074	1	MDKWB	12			Bushing, Idle Gear
185–5558	1	*Screw, Set				Spec A–C
185–5561	1	*Plate, Retaining		185–5359	1	MDKUB
		*Gear, Camshaft		185–5810	1	MDKWB
185–5559	1	Spec A–C		185–7385	1	Begin Spec D
185–7075	1	Begin Spec D	13	185–5563	1	Spacer
185–5560	1	*Key, Feather	14	185–5564	1	Ring, Retaining
185–2386	2	Screw, Hex Head Cap W/Lock Washer (M6 x 12mm)				
			* _	Parts Include	d in Cams	shaft Assy.
185–5554	4	MDKUB				
185–5554	6	MDKWB				
	185–5556 185–5809 185–7384 185–7074 185–5558 185–5561 185–5560 185–2386 185–5554	NO. USED 185–5556 1 185–5809 1 185–7384 1 185–7074 1 185–5558 1 185–5561 1 185–5559 1 185–5560 1 185–2386 2 185–5554 4	NO. USED DESCRIPTION Camshaft Assy (Includes Parts Marked *) Spec A–C 185–5556 1 MDKUB 185–5809 1 MDKWB 185–7384 1 MDKUB 185–7074 1 MDKWB 185–5558 1 *Screw, Set 185–5561 1 *Plate, Retaining *Gear, Camshaft 185–5559 1 Spec A–C 185–7075 1 Begin Spec D 185–5560 1 *Plate, Retaining *Gear, Camshaft 185–5560 1 *Key, Feather 185–2386 2 Screw, Hex Head Cap W/Lock Washer (M6 x 12mm) Tappet 185–5554 4 MDKUB	NO. USED DESCRIPTION NO. Camshaft Assy (Includes Parts 8 Marked *) 9 Spec A–C 9 9 9 185–5556 1 MDKUB 10 185–5809 1 MDKWB 10 Begin Spec D 11 11 185–7074 1 185–5558 1 *Screw, Set 12 185–5558 1 *Gear, Camshaft 185–5551 1 *Plate, Retaining *Gear, Camshaft 13 13 185–5559 1 Spec A–C 13 185–5560 1 *Key, Feather 14 185–2386 2 Screw, Hex Head Cap W/Lock Washer (M6 x 12mm) Tappet * – 185–5554 4 MDKUB * –	NO. USED DESCRIPTION NO. NO. Camshaft Assy (Includes Parts 8 185–5565 Marked *) 9 Spec A–C 185–5555 185–5556 1 MDKUB 185–5555 185–5560 1 MDKWB 10 185–2387 Begin Spec D 10 185–5562 185–5558 185–5558 1 * Screw, Set 12 185–5559 1 * Spec A–C 185–5359 185–5559 1 * Spec A–C 185–5359 185–5559 1 Spec A–C 185–7385 185–5560 1 * Plate, Retaining 185–5563 185–5560 1 * Spec A–C 185–7385 185–5560 1 * Key, Feather 14 185–5564 185–2386 2 Screw, Hex Head Cap W/Lock Washer (M6 x 12mm) * – Parts Include Tappet * – Parts Include * +	NO. USED DESCRIPTION NO. NO. NO. USED Camshaft Assy (Includes Parts Marked *) 9 -

Flywheel



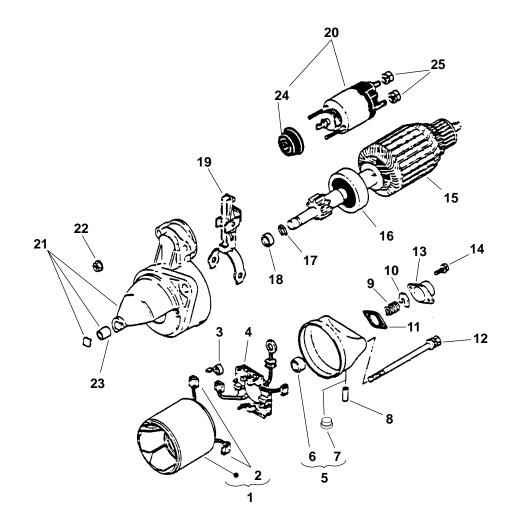
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Flywheel (Includes Ring Gear)	11	185–2366	1	Nut
	104-1819-01	1	MDKUB	12	185–6957	1	Washer, Spring Lock
	104-1819-02	1	MDKWB	13			Starter (B07) (See Separate
2	104–1818	1	Gear, Ring				Page for Components)
3	185–5587	5	Screw, Hex Head Cap		185–5429	1	MDKUB
4	718–1035	8	Screw, Hex Head Cap		185–5430	1	MDKWB
			(M8 X 1.25 X 16mm)	14	800-6065	1	Screw, Hex Head Cap
5	850-2008	8	Washer, Lock (M8)				(M8 x 1.25 x 60mm)
6	526-2103	8	Washer, Flat (M8)	15	104–1794	1	Housing, Flywheel
7	860-2058	1	Nut, Hex (M8 x 1.25mm)	16	850-0050	1	Washer, Lock (3/8)
8	850-0114-54	1	Washer, Lock (M8)	17	802-0072	1	Screw, Socket Head Machine
9	526-0399-60	1	Washer, Flat (M8)				(3/8–16 x 1mm)
10	185–2406	1	Screw, Hex Head Cap	18	403-4090-02	1	Bracket, Lifting

Starter Components (MDKUB)

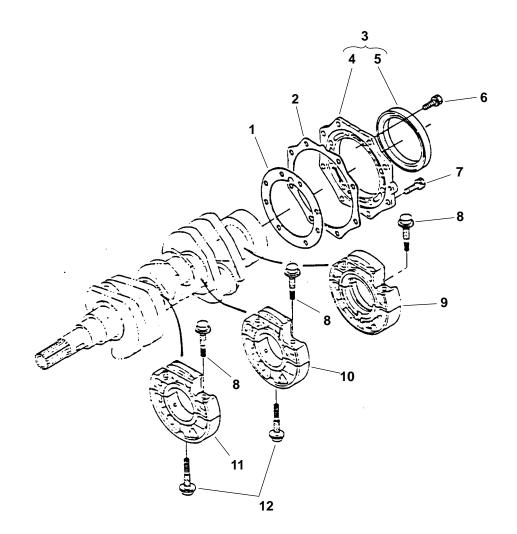


	-						
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	185–5429	1	Starter, Complete	9	185–5597	1	Washer, Adjusting
1	185–5605	2	Screw, Pan Head Machine	10	185–5598	1	Coil, Field (Includes Brush)
2	185–5591	1	Frame, Drive End (Includes	11	185–5599	2	Brush
_			Bushing)	12	185–5600	1	Holder, Brush (Includes Spring
3	185–5592	1	Bushing				and Brush)
4	185–5593	1	Stopper	13	185–5601	3	Spring, Brush
5	185–5594	1	Clutch, Over Running	14	185–5602	1	Brush
6	185–5596	1	Armature	15	185–5603	1	Bracket (Includes Bushinig)
7	185–5589	1	Lever, Drive	16	185–5604	1	Bushing
8	185–5590	1	Solenoid, Starter (K09)	17	185–5595	2	Bolt, Through

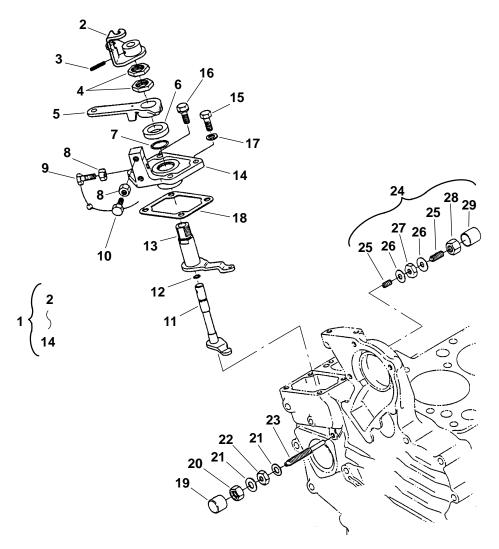
Starter Components (MDKWB)



REF		QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
	185–5430	1	Starter, Complete	13	185–2332	1	Cap, End Frame
1	185–2322	1	Yoke, Starter (Includes Brush Kit)	14	185–2383	2	Screw, Pan Head Machine W/Lock Washer
2	185–7398	1	Kit, Brush	15	185–2321	1	Armature
3	185–2330	4	Spring, Brush	16	185–2319	1	Clutch, Over Running
4	185–2329	1	Holder, Brush	17	185–2111	1	Ring, Retaining
5	185–2326	1	Frame, End (Includes Bushing	18	185–2195	1	Nut, Pinion Stop
			and Cover)	19	185–2320	1	Lever, Drive
6	185–2327	1	Bushing	20	185–2117	1	Switch, Magnetic
7	185–7399	1	Cover	21	185–2118	1	Housing
8	185–5825	1	Tube, Breather	22	185–2334	2	Nut, Hex
9	185–2325	1	Spring, Brake	23	185–2295	1	Bush
10	185–2324	1	Shoe, Brake	24	185–2331	1	Cover
11	185–2333	1	Gasket	25	185–6658	1	Nut, Hex
12	185–2328	2	Bolt, Through				

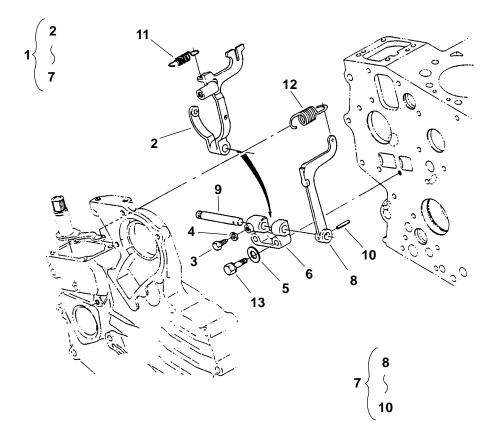


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–5438	1	Gasket	8			Screw, Hex Head Cap
י ר	105-5450	1	Gasket	0	105 5515	4	MDKUB
2					185–5515	4	
	185–5334	1	Spec A–C		185–5515	6	MDKWB
	185–7383	1	Begin Spec D	9			Holder, Rear Main Bearing
3	185–7073	1	Cover Assy, Bearing Case		185–5514	1	Spec A–C
			(Includes Plate Cover and Oil		185–7072	1	Begin Spec D
			Seal)	10	185–5808	1	Holder, Center Main Bearing
4	185–5516	1	Cover, Bearing Plate				(MDKWB Only)
5	185–5437	1	Seal, Oil	11	185–5517	1	Holder, Front Main Bearing
6	185–2390	8	Screw, Hex Head Cap W/ Lock	12			Bolt, Bearing Case
			Washer (M6 x 20mm)		185–5519	1	MDKUB
7	185–2559	8	Screw, Hex Head Cap		185–5519	2	MDKWB



REF		QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	185–7388	1	Plate Assy, Speed (Includes	18			Gasket
			Parts Marked +)		185–5342	1	Spec A–C
2	185–5750	1	+Lever, Engine Stop		185–7080	1	Begin Spec D
3	185–5696	1	+Pin, Spring	19	185–5686	1	Сар
4	185–5693	2	+Nut, Jam Hex	20	185–5685	1	Nut, Cap
5			+Lever, Speed Control	21	185–2284	2	Gasket
	185–5692	1	Spec A–C	22			Nut, Hex
	185–7387	1	Begin Spec D		185–5684	1	Spec A–C
6	185–5690	1	+Collar		185–6931	1	Begin Spec D
7	185–5691	1	+O'Ring	23	185–5683	1	Screw, Adjusting
8	185–4255	3	+Nut	24	185–5679	1	Idle Assy (Includes Parts
9	185–2439	2	+Bolt				Marked *)
10	185–2342	1	+Stopper	25	185–5680	2	*Bolt, Adjusting
11	185–5749	1	+Shaft, Lever	26	185–2338	2	*Gasket
12	185–2347	1	+O'Ring	27	185–2180	1	*Nut, Hex
13	185–5689	1	+Lever, Governor	28	185–5681	1	*Nut, Cap
14	185–5687	1	+Plate, Speed Control	29	185–5682	1	*Cap
15	185–5688	2	Screw, Hex Head Cap				
16	185–2389	2	Screw, Hex Head Cap W/Lock	+ -	Parts Include	d in Spee	d Control Assy.
17	185–2284	2	Washer (M6 x 18mm) Seal, Oil		Parts Include		

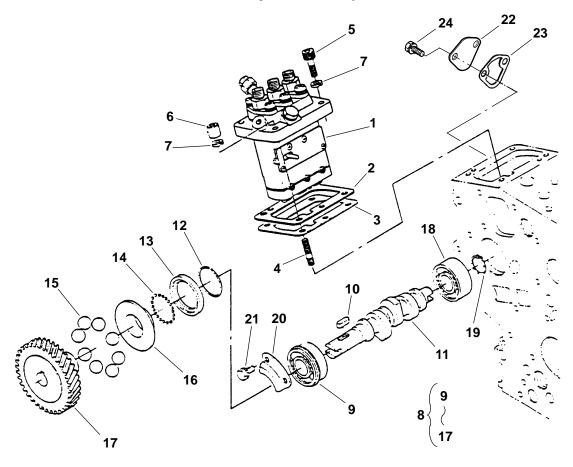
Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–5755	1	Lever Assy, Fork (Includes Parts Marked *)
2	185–5756	1	*Lever, Inner Fork
3	185–2173	1	*Screw, Hex Head Cap
4			*Washer, Spring Lock
	185–2379	1	Spec A–C
	185–6999	1	Begin Spec D
5	185–5966	2	*Washer, Plain (M6)
6	185–5757	1	*Holder, Fork Lever
7	185–5701	1	*Lever Assy, Outer Fork (Includes Fork Lever, Shaft and Pin)

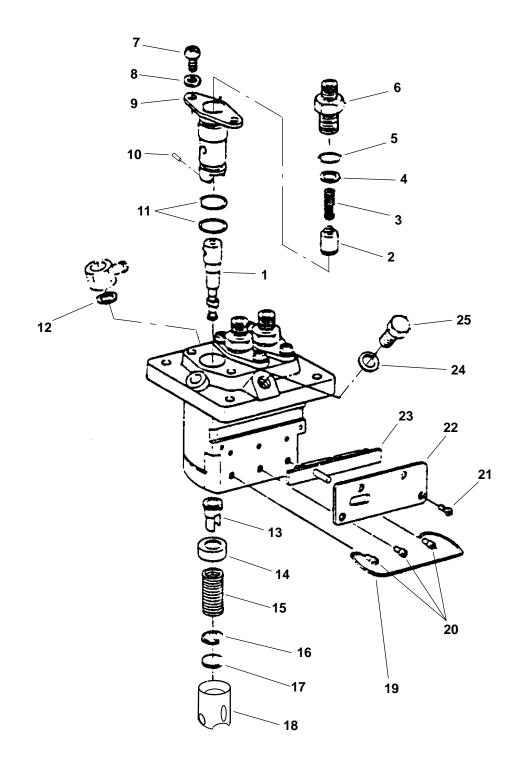
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	185–5702	1	Lever, Outer Fork
9	185–5703	1	Shaft
10	185–5696	1	Pin, Spring
11	185–5698	1	Spring, Start
12	185–5802	1	Spring, Governor
13	185–2393	2	Screw, Hex Head Cap (M6 x 35mm)

* - Parts Included in Fork Lever Assy.



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Pump, Injection	9	185–5629	1	*Bearing, Ball
	185–5751	1	MDKUB	10	185–2353	1	*Key, Feather
	185–5814	1	MDKWB	11			*Camshaft, Fuel
2			Shim, Injection Pump (.20mm)		185–5628	1	MDKUB
	185–6735	1	MDKUB		185–6706	1	MDKWB
	185–6749	1	MDKWB	12	185–2163	1	*Circlip, Governor Sleeve
3			Shim, Injection Pump	13	185–5632	1	*Case, Governor Ball
			0.25mm	14	185–2357	32	*Ball
	185–6736	2	MDKUB	15	185–5633	8	*Ball
	185–6739	2	MDKWB	16	185–5631	1	*Sleeve, Governor
	185–6737	1	0.30mm	17	185–5630	1	*Gear, Injection Pump
4			Stud	18	185–2583	1	Bearing
	185–5624	1	MDKUB	19	185–5634	1	Circlip
	185–5624	2	MDKWB	20	185–5635	1	Plate, Retaining
5			Screw, Socket Head Cap	21	185–2386	2	Screw, Hex Lock Washer Cap
	185–5623	3	MDKUB				(M6 x 12mm)
	185–5623	2	MDKWB	22	185–5798	1	Plate, Cover
6			Nut, Cap	23			Gasket, Hole Cover
	185–5625	1	MDKUB		185–5752	1	Spec A–C
	185–5625	2	MDKWB		185–6580	1	Begin Spec D
7			Washer, Spring Lock	24			Screw, Hex Head Cap with
	185–2380	4	Spec A–C				Lockwasher
	185–6759	4	Begin Spec D		185–2386	2	MDKUB (M6 x 12mm)
8			Camshaft Assy, Fuel (Includes Parts Marked *)		185–2389	2	MDKWB (M6 x 18mm)
	185–5627	1	MDKUB				
	185–5812	1	MDKWB	* _	Parts Include	d in Fuel	Camshaft Assy.

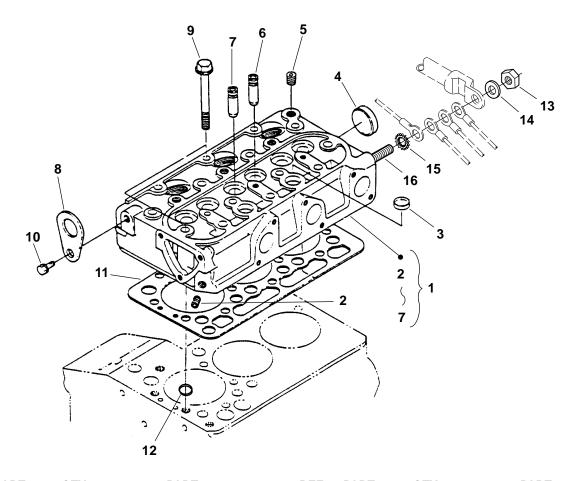
Injection Pump Components



Injection Pump Components

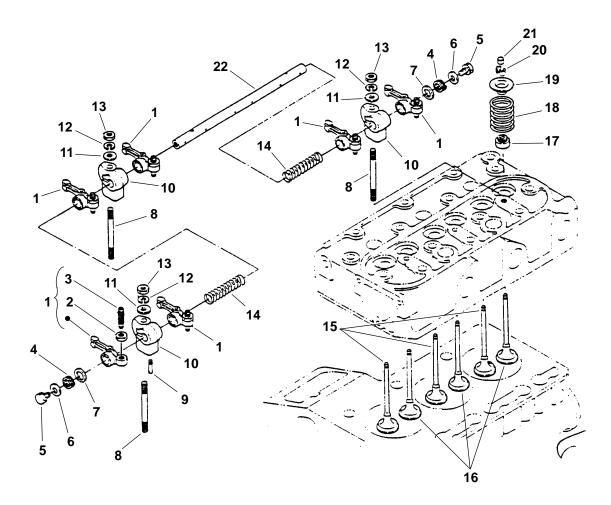
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Pump Assy, Injection	12	185–5661	1	O'Ring
	185–5751	1	MDKUB	13			Sleeve, Control
	185–5814	1	MDKWB		185–5659	2	MDKUB
1			Plunger, Injection Pump		185–5659	3	MDKWB
	185–5753	2	MDKUB	14			Seat, Upper Spring
	185–5753	3	MDKWB		185–5653	2	MDKUB
2			Valve, Delivery		185–5653	3	MDKWB
	185–5639	2	MDKUB	15			Spring, Plunger
	185–5639	3	MDKWB		185–5652	2	MDKUB
3			Spring, Delivery Valve		185–5652	3	MDKWB
	185–5640	2	MDKUB	16			Seat, Lower Spring
	185–5640	3	MDKWB		185–5654	2	MDKUB
4			Gasket, Delivery Valve		185–5654	3	MDKWB
	185–5641	2	MDKUB	17	185–5655	1	Shim
	185–5641	3	MDKWB	18			Tappet
5			O'Ring		185–5649	2	MDKUB
	185–5643	2	MDKUB		185–5649	3	MDKWB
	185–5643	3	MDKWB	19			Wire, Retainer
6			Holder, Delivery Valve		185–5651	1	MDKUB
	185–5642	2	MDKUB		185–6707	1	MDKWB
	185–5642	3	MDKWB	20			Pin
7			Screw, Round Head Machine		185–5650	2	MDKUB
	185–5647	4	MDKUB		185–5650	3	MDKWB
	185–5647	6	MDKWB	21	185–5658	4	Screw, Machine
8			Washer	22			Plate
	185–5648	4	MDKUB		185–5657	1	MDKUB
	185–5648	6	MDKWB		185–5818	1	MDKWB
9			Flange, Sleeve	23			Rack, Control
	185–5644	2	MDKUB		185–5656	1	MDKUB
	185–5644	3	MDKWB		185–5817	1	MDKWB
10			Pin, Joint	24	185–5820	1	Gasket, Injection Pump
	185–5645	2	MDKUB				(MDKWB Only)
	185–5645	3	MDKWB	25	185–5819	1	Bolt (MDKWB Only)
11			O'Ring				
	185–5646	4	MDKUB				
	185–5646	6	MDKWB				

Cylinder Head



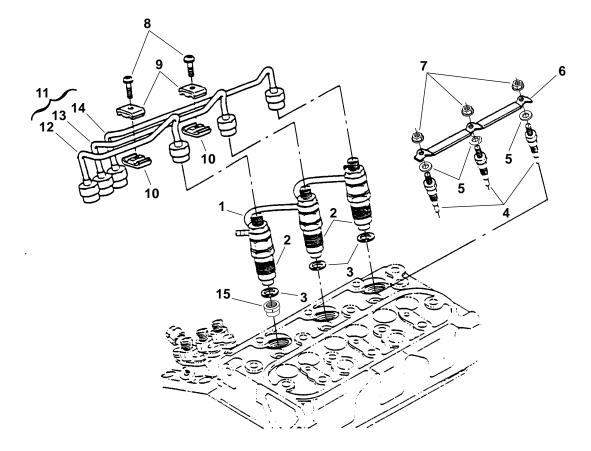
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	NO.	UULD		no.	NO.	UULD	
1			Head Assy, Cylinder (Includes	8	185–5498	1	Eye, Lifting
			Parts Marked *)	9			Bolt, Cylinder Head
			Spec A–C (End S/N 489915)		185–5503	10	MDKUB
	185–5499	1	MDKUB		185–5503	14	MDKWB
	185–5805	1	MDKWB	10			Screw, Hex Head Cap
			Begin Spec D (Begin S/N		185–3009	1	Spec A–C
			489916)		185–6956	1	Begin Spec D
	185–6754	1	MDKUB	11			Gasket, Cylinder Head
	185–6755	1	MDKWB		185–5339	1	MDKUB
2	185–2188	1	*Plug, Pipe (50C Drive)		185–6120	1	MDKWB
3	185–2413	2	*Cap, Sealing (MDKWB Only)	12	185–2095	1	O'Ring
4	185–2411	1	*Cap, Sealing	13	860–2058	1	Nut (M8 x 1.25)
5	185–5502	1	*Plug, Pipe	14	526–2100	1	Washer, Flat (M8)
6			*Guide, Exhaust Valve	15	856-0008	1	Washer, EIT (5/16")
	185–5501	2	MDKUB	16	520–2403	1	Stud (M8 x 1.25 x 38mm)
	185–5501	3	MDKWB				
7			*Guide, Intake Valve				
	185–5500	2	MDKUB	* _	Parts Include	d in Cylind	der Head Assy.
	185–5500	3	MDKWB				

Rocker Arm

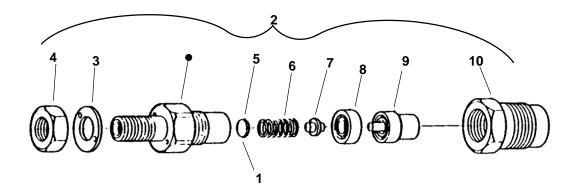


Rocker Arm

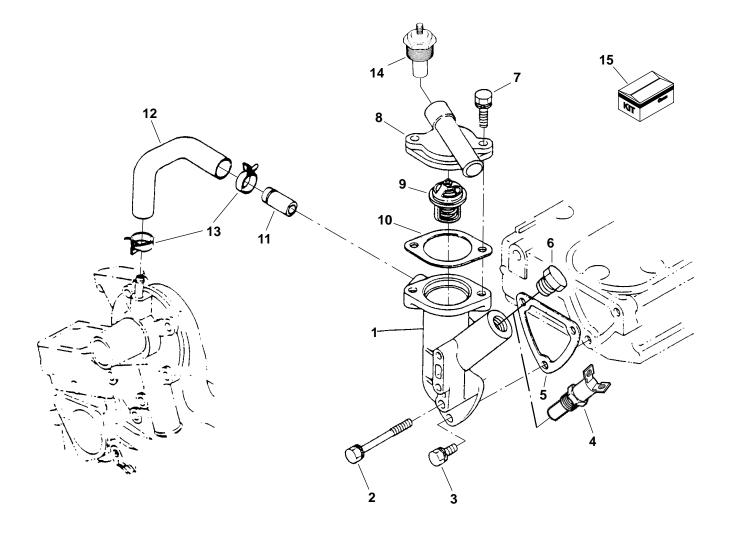
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Arm, Rocker (Includes Nut and	13			Nut, Flange
			Screw)		185–4255	2	MDKUB
	185–5551	4	MDKUB		185–4255	3	MDKWB
	185–5551	6	MDKWB	14			Spring, Rocker Arm
2			Nut		185–5550	1	MDKUB
	185–5553	4	MDKUB		185–5550	2	MDKWB
	185–5553	6	MDKWB	15			Valve, Intake
3			Screw, Adjusting		185–5537	2	MDKUB
	185–5552	4	MDKUB		185–5537	3	MDKWB
	185–5552	6	MDKWB	16			Valve, Exhaust
4	185–5544	2	Spring, Thrust (Spec A–C)		185–5538	2	MDKUB
5	185–2386	2	Screw, Hex Head Cap		185–5538	3	MDKWB
			(M6 x 12mm)	17			Seal, Valve Stem
6			Washer, Flat		185–5348	4	MDKUB
	185–5545	2	Spec A–C		185–5348	6	MDKWB
	185–7395	2	Being Spec D	18			Spring, Valve
7			Washer, Flat		185–5539	4	MDKUB
	185–5549	2	Spec A–C		185–5539	6	MDKWB
	185–7086	2	Begin Spec D	19			Retainer, Valve Spring
8			Stud		185–5540	4	MDKUB
	185–5547	2	MDKUB		185–5540	6	MDKWB
	185–5547	3	MDKWB	20			Collet, Valve Spring
9			Screw, Set		185–5541	4	MDKUB
	185–5548	1	Spec A–C		185–5541	6	MDKWB
	185–2351	1	Begin Spec D	21			Cap, Valve
10		_	Bracket, Rocker Arm		185–5793	4	MDKUB
	185–5546	2	MDKUB		185–5793	6	MDKWB
	185–5546	3	MDKWB	22			Shaft, Rocker Arm
11		•	Washer, Flat		185–5543	1	Spec A–C
	740–1004	2	MDKUB				Begin Spec D
	740–1004	3	MDKWB		185–7394	1	MDKUB
12			Washer, Spring Lock		185–7085	1	MDKWB
	405 0000	0	Spec A–C				
	185-2380	2	MDKUB				
	185–2380	3					
	405 0750	0	Begin Spec D				
	185-6759	2	MDKUB				
	185–6759	3	MDKWB				



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Pipe, Overflow	8			Screw, Pan Head Machine
	185–5803	1	MDKUB				W/Lock Washer
	185–5821	1	MDKWB		185–2385	1	MDKUB
2			Holder, Nozzle		185–2385	2	MDKWB
	185–6738	2	MDKUB	9			Clamp, Top Pipe
	185–6738	3	MDKWB		185–5613	1	MDKUB
3			Gasket		185–5613	2	MDKWB
	185–5337	2	MDKUB	10			Clamp, Bottom Pipe
	185–5337	3	MDKWB		185–5612	1	MDKUB
4			Plug, Glow (HR5)		185–5612	2	MDKWB
	185–5421	2	MDKUB	11	185–5419	1	Pipe Assy, Injection (Includes
	185–5421	3	MDKWB				Pipes) (Spec A–C)
5			Washer, Flat	12			Pipe, Injection
			Spec A–C		185–5610	1	Spec A–C
	185–3066	2	MDKUB		185–7389	1	Begin Spec D
	185–3066	3	MDKWB	13			Pipe, Injection
			Begin Spec D		185–5611	1	Spec A–C
	185–7004	2	MDKUB		185–7390	1	Begin Spec D
	185–7004	3	MDKWB	14			Pipe, Injection (MDKWB Only)
6			Cord, Glow Plug		185–5822	1	Spec A–C
	185–5614	1	MDKUB		185–7397	1	Begin Spec D
	185–5823	1	MDKWB	15			Seal, Heat (Begin Spec D)
7			Nut, Flange		185–5985	2	MDKUB
	185–5615	2	MDKUB		185–5985	3	MDKWB
	185–5615	3	MDKWB				



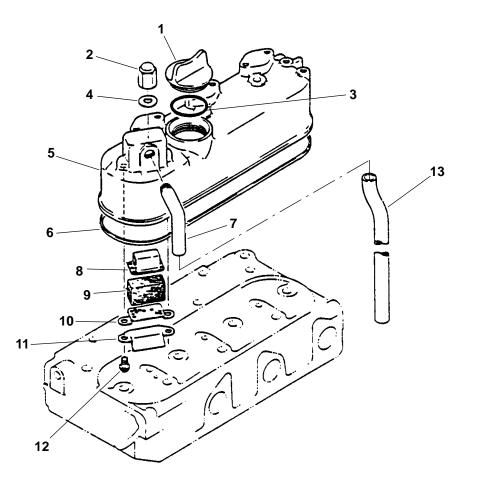
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–5363	1	Washer Assy – Includes the Following Adjusting Washers:	2			Holder Assy, Nozzle (Includes Parts Marked *)
	185–5364	1	0.900 mm				Spec A–C
	185-5365	1	0.925 mm		185–5417	2	MDKUB
	185-5366	1	0.950 mm		185–5417	3	MDKWB
	185-5367	1	0.975 mm			-	Begin Spec D
	185-5368	1	1.000 mm		185–6738	2	MDKUB
	185–5369	1	1.025 mm		185–6738	3	MDKWB
	185–5370	1	1.050 mm	3			*Nut, Hex
	185–5371	1	1.075 mm		185–5616	2	MDKUB
	185–5372	1	1.100 mm		185–5616	3	MDKWB
	185–5373	1	1.125 mm	4			*Washer
	185–5374	1	1.150 mm		185–5621	2	MDKUB
	185–5375	1	1.175 mm		185–5621	3	MDKWB
	185–5376	1	1.200 mm	5			*Washer, Adjusting
	185–5377	1	1.225 mm		185–5364	2	MDKUB
	185–5378	1	1.250 mm		185–5364	3	MDKWB
	185–5379	1	1.275 mm	6			*Spring
	185–5380	1	1.300 mm		185–5617	2	MDKUB
	185–5381	1	1.325 mm		185–5617	3	MDKWB
	185–5382	1	1.350 mm	7			*Rod, Push
	185–5383	1	1.375 mm		185–5619	2	MDKUB
	185–5384	1	1.400 mm		185–5619	3	MDKWB
	185–5385	1	1.425 mm	8			*Spacer
	185–5386	1	1.450 mm		185–5618	2	MDKUB
	185–5387	1	1.475 mm		185–5618	3	MDKWB
	185–5388	1	1.500 mm	9			*Nozzle
	185–5389	1	1.525 mm		185–5622	2	MDKUB
	185–5390	1	1.550 mm		185–5622	3	MDKWB
	185–5391	1	1.575 mm	10			*Nut, Nozzle
	185–5392	1	1.600 mm				Spec A–C
	185–5393	1	1.625 mm		185–5620	2	MDKUB
	185–5394	1	1.650 mm		185–5620	3	MDKWB
	185–5395	1	1.675 mm				Begin Spec D
	185–5396	1	1.700 mm		185–6825	2	MDKUB
	185–5397	1	1.725 mm		185–6825	3	MDKWB
	185–5398	1	1.750 mm				
	185–5399	1	1.775 mm				
	185–5400	1	1.800 mm	* -	Parts Include	d in Nozz	le Holder Assy.
	185–5401	1	1.825 mm				
	185–5402	1	1.850 mm				
	185–5403	1	1.875 mm				
	185–5404	1	1.900 mm				
	185–5405	1	1.925 mm				
	185–5406	1	1.950 mm				



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.
1	185–5718	1	Flange, Water Pump (Includes Water Return Pipe)	12 13
2	185–5721	1	Bolt	14
3	185–2388	2	Bolt (M6 x 16mm)	
4	309–0576	1	Thermostat, High Temp Engine (S17)	
5			Gasket, Water Flange	15
	185–5720	1	Spec A–C	
	185–7393	1	Begin Spec D	
6 7	185–5826	1	Plug Bolt	
	185–2559	2	Spec A–C	
	185–7084	2	Begin Spec D	+ – V
8	185–5475	1	Cover, Thermostat	
9	185–5458	1	Thermostat	* – S
10	185–2238	1	Gasket, Thermostat	
11	185–5719	1	Pipe, Water Return	

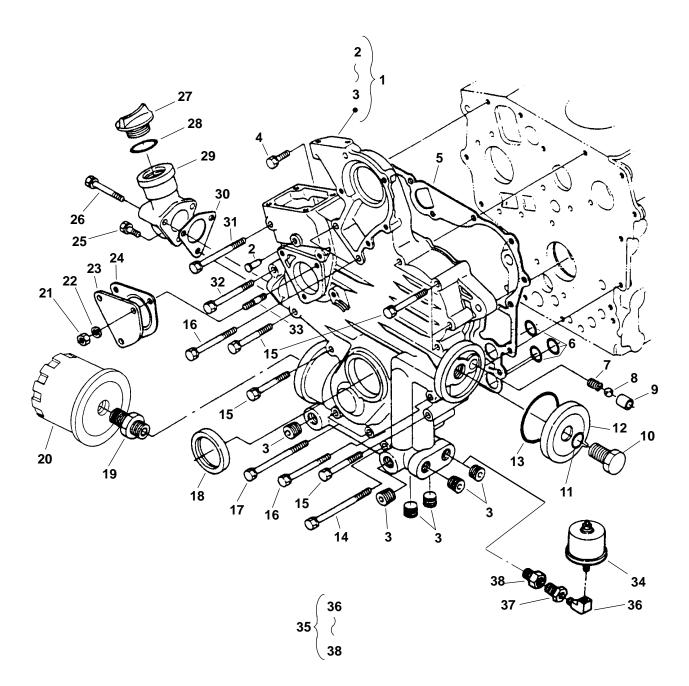
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	185–5722	1	Pipe, Water Return
13	185–5723	2	Band, Pipe
14			+Sender, Water Temperature
			(E21)
	193–0318	1	Negative Ground
	193-0457-01	1	Isolated Ground
15			*Kit, Sender (Includes Water
			Temperature Sender)
	300-5040	1	Negative Ground
	300–5041	1	Isolated Ground

Water Temperature Sender Included in Remote Panel Kit Found on Remote Control Panel Page for Spec A,B. Sender Kit Also Includes Oil Pressure Sender Listed on Gearcase Page.



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–5407	1	Cap, Oil Fill	7	185–5520	1	Elbow, Breather
2			Nut, Cap	8	185–5522	1	Cover, Breather Element
	185–5529	2	MDKUB	9	185–5523	1	Element, Breather
	185–5529	3	MDKWB	10	185–5521	1	Plate, Breather Element
3	185–2349	1	Seal, Oil Fill Cap	11	185–5524	1	Shield, Breather Oil
4			O'Ring	12	185–5747	2	Screw, Lock Washer Pan
	185–2284	2	MDKUB				Head
	185–2284	3	MDKWB	13			Hose, Breather
5			Cover, Valve		185–5525		Spec A
	185–5527	1	MDKUB				Spec B
			MDKWB		503–1608	1	Housed Units – 42.5"
	185–5806	1	Spec A–C				Unhoused Units
	185–7071		Begin Spec D		503–1608	1	MDKUB – 31.75"
6			Gasket, Valve Cover		503–1608	1	MDKWB – 41.25"
	185–5528	1	MDKUB				
	185–5807	1	MDKWB				

Gearcase

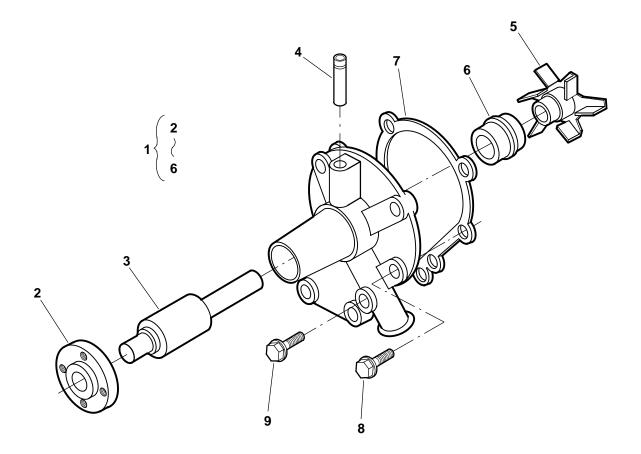


Gearcase

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–5800	1	Gearcase Assy (Includes Pin and Plugs)
2	185–5506	1	Pin, Start Spring
3	185–5505	8	Plug, Pipe
4	185–2389	1	Screw, Hex Head Cap (M6 x 18mm)
5			Gasket, Gearcase
	185–5331	1	Spec A–C
	185–7382	1	Begin Spec D
6	185–2374	3	O'Ring
7	185–5509	1	Spring
8	185–5511	1	Ball
-	185–5510	1	Seat, Valve
-	185–5742	1	Bolt
	185–5744	1	O'Ring
	185–5741	1	Cover
	185–5743	1	O'Ring
14	185–5746	1	Screw, Hex Head Cap (M6 x 1 x 87mm)
15			Screw, Hex Head Cap
	185–2394	7	Spec A–C (M6 x 50mm)
	185–7069	7	Begin Spec D
16	185–5507	3	Screw, Hex Head Cap (M6 x 1 x 62mm)
17	185–5745	2	Bolt
18	185–5410	1	Seal, Front Oil
19	185–2124	1	Nipple, Hex Pipe
20	185–5801	1	Filter, Oil
21 22	185–4255	3	Nut, Hex Washer, Spring Lock
	185–2380	3	Spec A–C
	185–6759	3	Begin Spec D

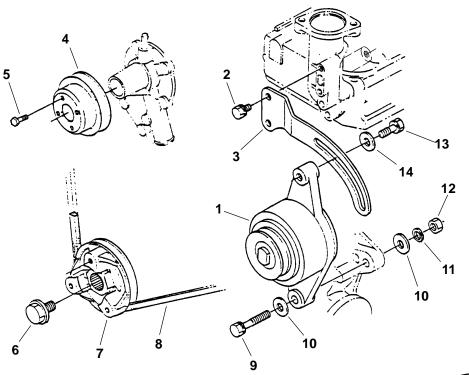
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
23	185–5512	1	Cover
24	185–5513	1	Gasket
25	185–2389	1	Bolt (M6 x 18mm)
26	185–7069	2	Bolt (M6 x 50mm)
27	185–5407	1	Cap, Oil Fill
28	185–2349	1	O'Ring
29	185–2296	1	Flange, Oil Filter
30	185–2309	1	Gasket, Flange
31	185–2397	1	Screw, Hex Head Cap (M6 x 70mm)
32	185–2395	1	Bolt (M6 x 60mm)
33	185–2105	3	Stud
34			*Sender, Oil Pressure (E19)
	193–0244	1	Negative Ground
	193-0430-01	1	Isolated Ground
35	100–3440	1	Kit, Remote Panel Modification (Includes Elbow, Adapter and Bushing)
36	502-0020	1	+Elbow, 90° Street
37	505–1487	1	+Adapter, Sender (1/4 NPT)
38	505–0029	1	+Bushing, Reducer (1/4 x 1/8 NPT)

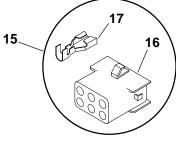
 * - Oil Pressure Sender Included in Sender Kit (Found on Water Flange Page) and Remote Panel Kit (Found on Remote Control Panel Page for Spec A–B).



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185–5433	1	Pump, Water (Includes Parts	7	185–5434	1	Gasket, Water Pump
			Marked *)	8	185–2559	4	Bolt
2	185–5712	1	*Flange, Water Pump	9	185–5717	1	Bolt
3	185–5713	1	*Bearing, Ball				
4	185–5716	1	*Pipe, Return				
5	185–5715	1	*Impeller	*	Parts Include	ed in Water	· Pump.
6	185–5714	1	*Seal				

Alternator

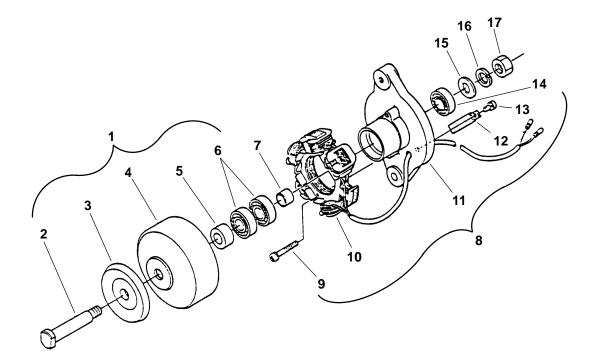




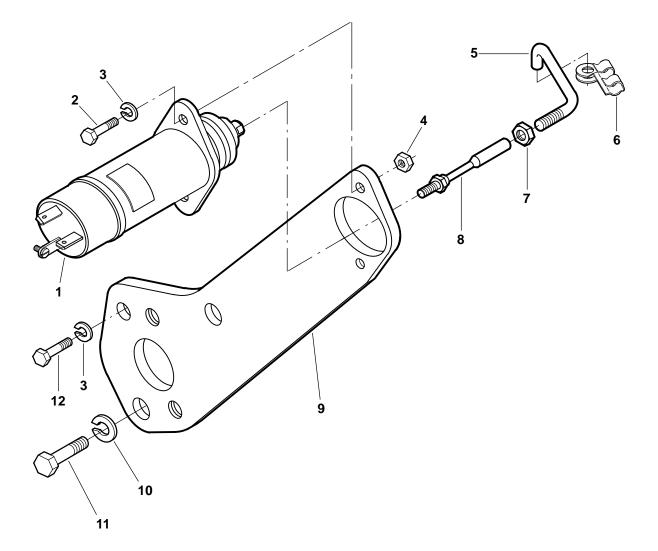
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
1	185–5431	1	Alternator (G03) (See Separate Page for Components)	
2	185–2388	5 1 /		
3	185–5705	1	Bracket, Alternator	
4	185–5707	1	Pulley, Fan	
5	185–2572	4	Screw, Hex Head Flange	
6 7	185–5709	1	Screw, Hex Head Cap Pulley, Drive Spec A–C	
	185–6822	1	MDKUB	
	185–6823	1	MDKWB Begin Spec D	
	185–6822	1	MDKUB	
	185–7083	1	MDKWB	

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	511–0183	1	Belt, Fan
9	800–6062	1	Screw, Hex Head Cap (M8 x 1.25 x 45mm)
10	185–7221	2	Washer, Flat
11	185–6957	1	Washer, Spring Lock
12	185–2366	1	Nut, Hex
13	185–2403	1	Screw, Hex Head Cap W/Lock Washer (M8 x 25mm)
14	185–6786	1	Washer, Flat
15	185–7391	1	Coupler Assy, Connector
16	185–7392	1	Connector
17	185–6347	5	Terminal

Alternator Components

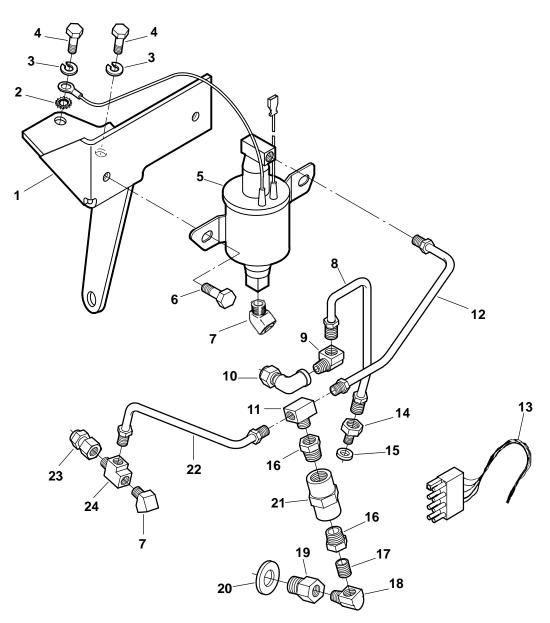


REF NO.	PART NO.	QTY USED	PART	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
NO.	NO.	USED	DESCRIPTION	NU.	NO.	USED	DESCRIPTION	
	185–5431	1	Alternator	10	185–2272	1	+Stator	
1	185–5710	1	Rotor Assy (Includes Parts	11	185–2268	1	+Plate, Alternator Back	
			Marked #)	12	185–2271	1	+Clamp, Wire	
2	185–2245	1	#Shaft, Rotor	13	185–2249	1	+Screw, Round Head Machine	
3	185–2269	1	#Pulley				W/Lock Washer	
4	185–2267	1	#Rotor	14	185–2246	1	+Bearing, Ball	
5	185–2270	1	#Spacer	15	185–2185	1	Washer, Flat	
6	185–2246	2	#Bearing, Ball	16	185–2186	1	Washer, Spring Lock	
7	185–2171	1	Spacer	17	185–2181	1	Nut, Hex	
8	185–5711	1	Stator Assy (Includes Parts					
			Marked +)					
9	185–2183	2	+Screw, Round Head Machine W/Lock Washer	 # – Parts Included in Rotor Assy. + – Parts Included in Stator Assy. 				

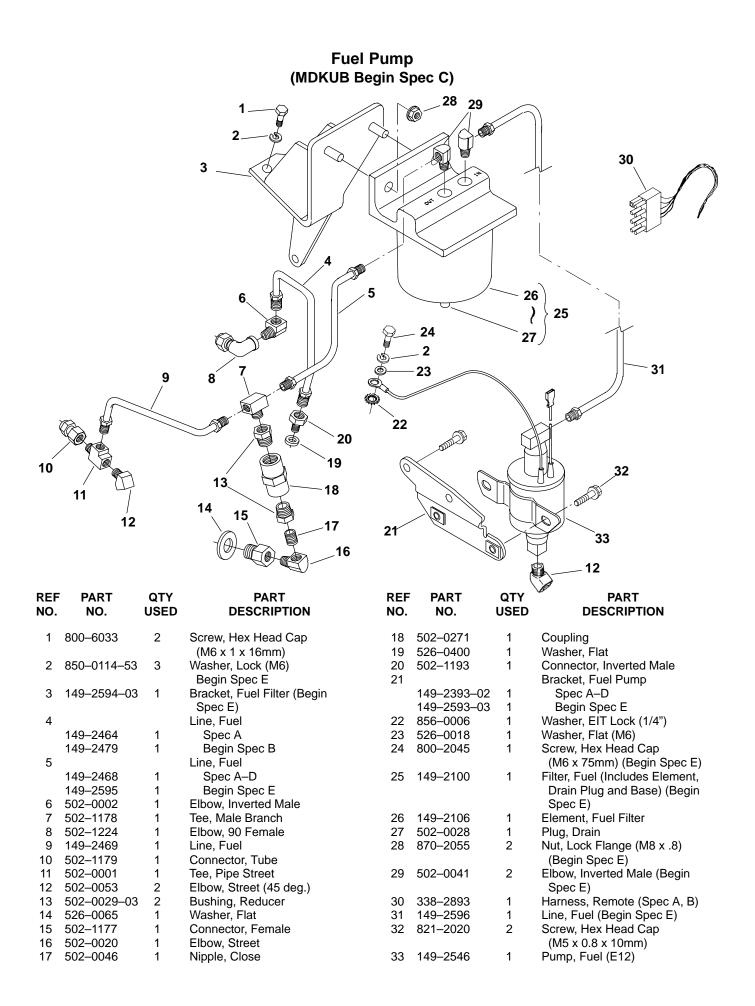


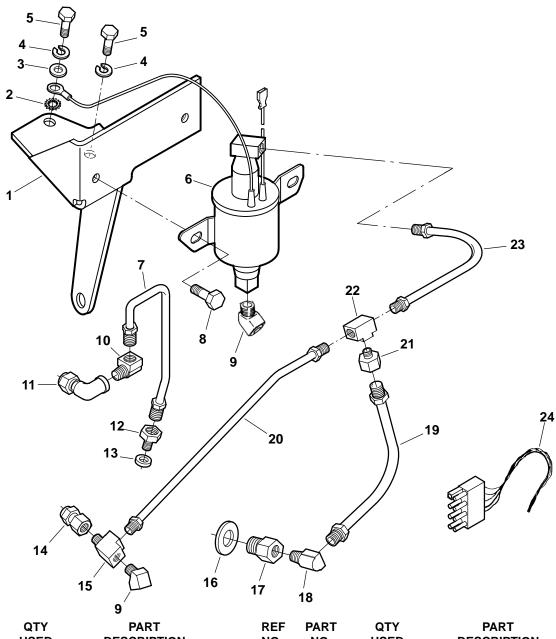
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307–2546	1	Solenoid, Stop (K12)	7	115–0025	3	Nut, Tappet
2	800-6034	2	Screw, Hex Head Cap	8	150–1733	1	Joint, Ball
			(M6 x 1.0 x 20mm)	9	132-0341-02	1	Bracket, Stop Solenoid
3	850-0114-53	3	Washer, Lock (M6)	10	850-0114-54	2	Washer, Lock (M8)
4	860-2021	2	Nut, Hex (M6)	11	800-6056	2	Screw, Hex Head Cap
5			Link, Stop Solenoid				(M8 x 1.25 x 16)
	150-2520-02	1	MDKUB	12	800–6033	1	Screw, Hex Head Cap
	150-2536-02	1	MDKWB				(M6 x 1 x 16mm)
6	306–3912	1	Clip, Rod End				х , , , , , , , , , , , , , , , , , , ,

Fuel Pump (MDKUB Spec A–B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149–2393–02	1	Bracket, Fuel Pump	11	502–1178	1	Tee, Male Branch
2	856-0006	1	Washer, EIT Lock (1/4")	12	149–2468	1	Line, Fuel
3	850-0114-53	2	Washer, Lock (M6)	13	338–2893	1	Harness, Remote
4	800–6033	2	Screw, Hex Head Cap	14	502-1193	1	Connector, Inverted Male
			(M6 x 1 x 16mm)	15	526-0400	1	Washer, Flat
5	149–2465	1	Pump, Fuel (E12)	16	502-0029-03	2	Bushing
6	821–2020	2	Screw, Hex Head Cap	17	502-0046	1	Nipple, Close
			(M5 x 0.8 x 10mm)	18	502-0020	1	Elbow, Street
7	502-0053	2	Elbow, Street (45 deg.)	19	502-1177	1	Connector, Female
8			Line, Fuel	20	526-0401	1	Washer, Flat
	149–2464	1	Spec A	21	502-0271	1	Coupling
	149–2479	1	Spec B	22	149–2469	1	Line, Fuel
9	502-0002	1	Elbow, Inverted Male	23	502-1179	1	Connector, Tube
10	502–1224	1	Elbow, 90 Female	24	502-0001	1	Tee, Pipe Street





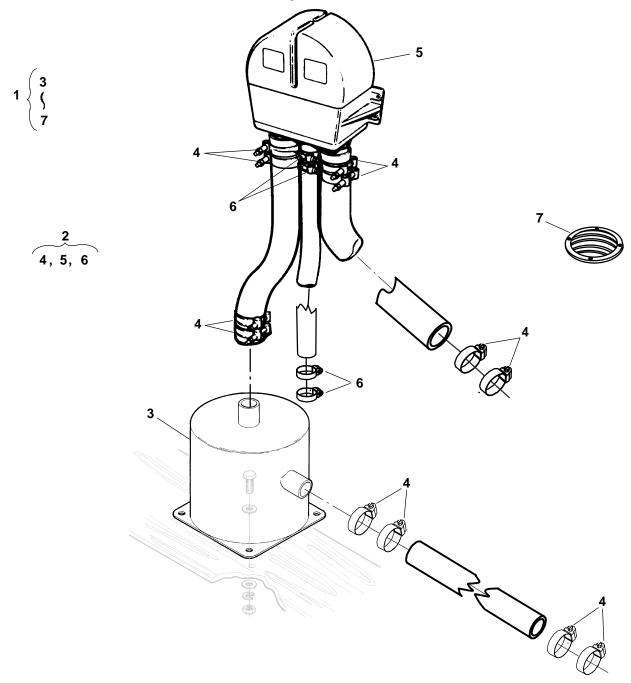
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	149–2393–02	1	Bracket, Fuel Pump	12	502–1193	1	Connector, Inverted Male
2	856-0006	1	Washer, EIT Lock	13	526-0400	1	Washer, Flat
3	526-0021	1	Washer, Flat (M6)	14	502–1179	1	Connector, Tube
4	850-0114-53	2	Washer, Lock (m6)	15	502-0001	1	Tee, Pipe Street
5	800–6033	2	Screw, Hex Head Cap	16	526-0401	1	Washer, Flat
			(M6 x 1 x 16mm)	17	502-1177	1	Connector, Female
6	149–2465	1	Pump, Fuel (E12)	18	502-0246	1	Elbow, 90 Fuel
7	149–2479	1	Line, Fuel	19	149–2470	1	Line, Fuel
8	821–2020	2	Screw, Hex Head Cap	20	149–2471	1	Line, Fuel
			(M5 x 0.8 x 10mm)	21	502-0106	1	Connector, Male
9	502-0053	2	Elbow, Street (45 deg.)	22	502-0243	1	Tee, Female Branch
10	502-0002	1	Elbow, Inverted Male	23	149–2467	1	Line, Fuel
11	502–1224	1	Elbow, 90 Female	24	338–2893	1	Harness, Remote Plug

REF

PART

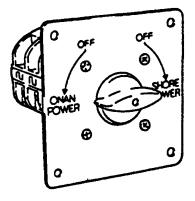
Fuel Pump (MDKWB Begin Spec C)							
		10					29 26 24 23 25 30 31
	11		12 0 15	19	7	E CO	32
REF NO.	11 PART NO.	QTY USED	12 PART DESCRIPTION	REF NO.	PART NO.	QTY USED	
NO.	PART		PART 15	REF		QTY	12 PART
NO. 1	PART NO. 800–6033	USED 2	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm)	REF NO.	NO. 149–2393–02	QTY USED	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D
NO. 1 2	PART NO. 800–6033 850–0114–53	USED 2 2	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6)	REF NO. 19	NO. 149–2393–02 149–2593–03	QTY USED 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E
NO. 1	PART NO. 800–6033	USED 2 2	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin	REF NO. 19 20	NO. 149–2393–02 149–2593–03 856–0006	QTY USED 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock
NO. 1 2	PART NO. 800–6033 850–0114–53	USED 2 2	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6)	REF NO. 19	NO. 149–2393–02 149–2593–03	QTY USED 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E
NO. 1 2 3 4 5	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–0002	USED 2 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male	REF NO. 19 20 21 22	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045	QTY USED 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E)
NO. 1 2 3 4 5 6	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–0002 502–1224	USED 2 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female	REF NO. 19 20 21	NO. 149–2393–02 149–2593–03 856–0006 526–0018	QTY USED 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element,
NO. 1 2 3 4 5 6 7	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–0002	USED 2 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch	REF NO. 19 20 21 22	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045	QTY USED 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin
NO. 1 2 3 4 5 6	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–0002 502–1224 502–0243	2 2 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel	REF NO. 19 20 21 22 23	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100	QTY USED 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E)
NO. 1 2 3 4 5 6 7	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471	USED 2 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D	REF NO. 19 20 21 22 23 23	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106	QTY USED 1 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter
NO. 1 2 3 4 5 6 7 8	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598	USED 2 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E	REF NO. 19 20 21 22 23 23 24 25	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028	QTY USED 1 1 1 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain
NO. 1 2 3 4 5 6 7	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106	USED 2 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D	REF NO. 19 20 21 22 23 23	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106	QTY USED 1 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel
NO. 1 2 3 4 5 6 7 8 9	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598	USED 2 1 1 1 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male	REF NO. 19 20 21 22 23 23 24 25 26	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467	QTY USED 1 1 1 1 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain
NO. 1 2 3 4 5 6 7 8 9 10	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–0002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179	USED 2 1 1 1 1 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube	REF NO. 19 20 21 22 23 23 24 25 26	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467	QTY USED 1 1 1 1 1 1 1 1 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8)
NO. 1 2 3 4 5 6 7 8 9 10 11	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001	USED 2 1 1 1 1 1 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street	REF NO. 19 20 21 22 23 24 25 26 27	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055	QTY USED 1 1 1 1 1 1 1 1 1 2	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E)
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001 502–0053 526–0065 502–1177	USED 2 1 1 1 1 1 1 1 1 1 2 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street Elbow, Street (45 deg.) Washer, Flat Connector, Female	REF NO. 19 20 21 22 23 23 24 25 26 27 28 29	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055 502–0041 338–2893	QTY USED 1 1 1 1 1 1 1 1 1 2	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E) Harness, Remote Plug
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001 502–0053 526–0065	USED 2 1 1 1 1 1 1 1 1 1 1 2 1	15 PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street Elbow, Street (45 deg.) Washer, Flat Connector, Female Elbow, 90 Fuel	REF NO. 19 20 21 22 23 23 24 25 26 27 28 29 30	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055 502–0041 338–2893 149–2596	QTY USED 1 1 1 1 1 1 1 1 2 2 2 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E) Harness, Remote Plug Line, Fuel (Begin Spec E)
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001 502–0053 526–0065 502–1177 502–0246	USED 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1	15 PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street Elbow, Street (45 deg.) Washer, Flat Connector, Female Elbow, 90 Fuel Line, Fuel	REF NO. 19 20 21 22 23 23 24 25 26 27 28 29	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055 502–0041 338–2893	QTY USED 1 1 1 1 1 1 1 1 2 2 2 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E) Harness, Remote Plug Line, Fuel (Begin Spec E) Screw, Hex Head Cap
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001 502–0053 526–0065 502–1177 502–0246 149–2470	USED 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street Elbow, Street (45 deg.) Washer, Flat Connector, Female Elbow, 90 Fuel Line, Fuel Spec A–D	REF NO. 19 20 21 22 23 24 25 26 27 28 29 30 31	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055 502–0041 338–2893 149–2596 821–2020	QTY USED 1 1 1 1 1 1 1 1 2 2 1 1 2 2	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E) Harness, Remote Plug Line, Fuel (Begin Spec E) Screw, Hex Head Cap (M5 x 0.8 x 10mm)
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001 502–0053 526–0065 502–1177 502–0246 149–2470 149–2597	USED 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street Elbow, Street (45 deg.) Washer, Flat Connector, Female Elbow, 90 Fuel Line, Fuel Spec A–D Begin Spec E	REF NO. 19 20 21 22 23 23 24 25 26 27 28 29 30	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055 502–0041 338–2893 149–2596	QTY USED 1 1 1 1 1 1 1 1 2 2 2 1 1	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E) Harness, Remote Plug Line, Fuel (Begin Spec E) Screw, Hex Head Cap
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	PART NO. 800–6033 850–0114–53 149–2594–03 149–2479 502–002 502–1224 502–0243 149–2471 149–2598 502–0106 502–1179 502–0001 502–0053 526–0065 502–1177 502–0246 149–2470	USED 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1	PART DESCRIPTION Screw, Hex Head Cap (M6 x 1 x 16mm) Washer, Lock (m6) Bracket, Fuel Filter (Begin Spec E) Line, Fuel Elbow, Inverted Male Elbow, 90 Female Tee, Female Branch Line, Fuel Spec A–D Begin Spec E Connector, Male Connector, Tube Tee, Pipe Street Elbow, Street (45 deg.) Washer, Flat Connector, Female Elbow, 90 Fuel Line, Fuel Spec A–D	REF NO. 19 20 21 22 23 24 25 26 27 28 29 30 31	NO. 149–2393–02 149–2593–03 856–0006 526–0018 800–2045 149–2100 149–2106 502–0028 149–2467 870–2055 502–0041 338–2893 149–2596 821–2020	QTY USED 1 1 1 1 1 1 1 1 2 2 1 1 2 2	12 PART DESCRIPTION Bracket, Fuel Pump Spec A–D Begin Spec E Washer, EIT Lock Washer, Flat (M6) Screw, Hex Head Cap (M6 x 75mm) (Begin Spec E) Filter, Fuel (Includes Element, Drain Plug and Base) (Begin Spec E) Element, Fuel Filter Plug, Drain Line, Fuel Nut, Lock Flange (M8 x .8) (Begin Spec E) Elbow, Inverted Male (Begin Spec E) Harness, Remote Plug Line, Fuel (Begin Spec E) Screw, Hex Head Cap (M5 x 0.8 x 10mm)

Water Separator/Muffler



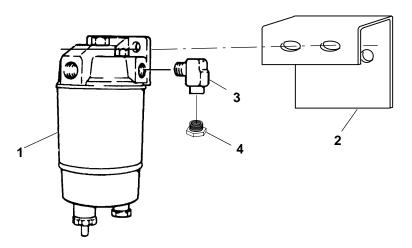
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155–3217	1	Kit, Muffler/Separator (Includes	5	155–3218	1	+*Separator, Water (2")
			Parts Marked *)	6	503–1139	4	+*Clamp, Hose (1–1/2")
2	155–3216	1	Kit, Water Separator (Includes Parts Marked •)	7	155–1002	1	*Strainer,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

Manual Transfer Switch

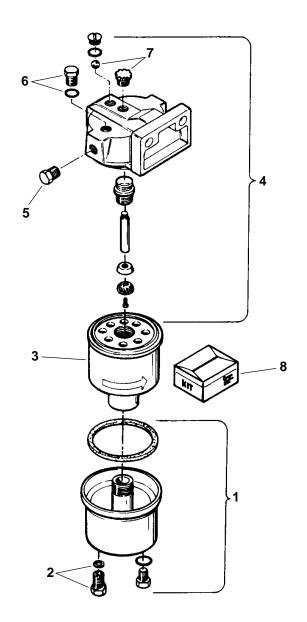


REF PART NO. NO.	QTY USED	PART DESCRIPTION
308–0269 308–0270	1	Switch, On Shore/Off Shore Rotary (63A, 600V) 120V (2 Wire) 120/240V (3 Wire)
306-0270	I	120/240V (3 VVIIe)

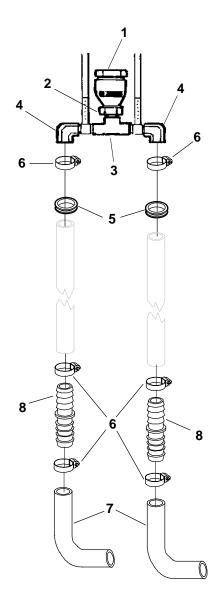
Remote Water Separator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149–2073	1	Kit, Remote Fuel/Water Separator	2 3	149–2041–03 502–0020	1 1	Bracket, Separator Mounting Elbow, Street 90° (1/4 NPT)
1	149–1908–05	1	Separator, Fuel/Water (See Separate Page for Components)	4	502–0029	1	Bushing, Pipe (1/4" to 1/8")

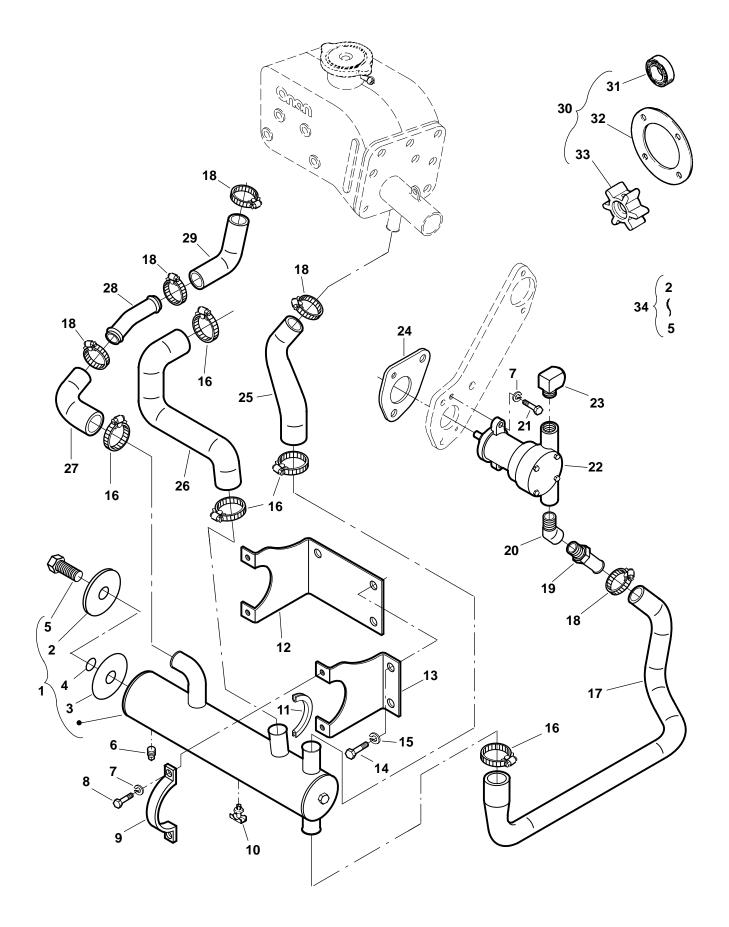


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149–1908–05	1	Separator, Water	6	149–1952	1	Plug, Vent (Includes O–Ring)
1	149–2046	1	Kit, Metal Bowl Replacement (Includes Plug, O–Rings and Drain Assy)	7	149–2047	1	Pump Assy (Includes Plunger, Retainer, Shaft, Check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



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	155–2749	1	Kit, Siphon Break	5	508–0309	2	Grommet
1	504-0062	1	Valve, Vacuum Relief	6	503-0977	7	Clamp, Hose (#10)
2	502-0270	1	Adapter, Pipe (3/8" to 1/2")	7	503-1687-03	2	Elbow, Hose (5/8")
3	502-0090	1	Tee (3/8")	8	502-1125	4	Union, Hose (5/8")
4	502–0942	2	Elbow, 90° Hose (3/8 Npt X 5/8)				

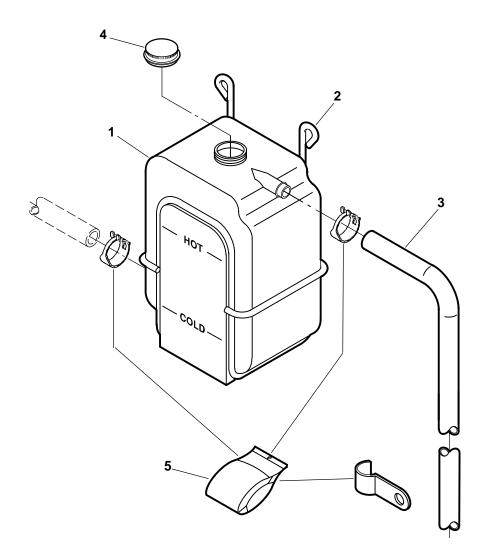
Heat Exchanger



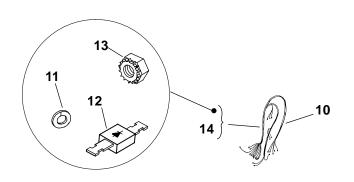
Heat Exchanger

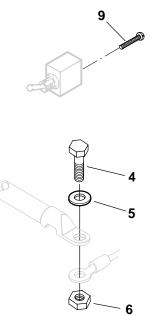
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Exchanger, Heat (Includes Cap, Gasket, O'Ring and Screw)	22	132–0336	1	Pump, Sea Water (Includes the following:
	130-4067	1	MDKUB		132-0299	2	Ring, Retaining
	130-4068	1	MDKWB		132-0308	1	Seal, Lip
2	130–5169	1	*Cap, Heat Exchanger		132-0298	1	Washer,
3	130–5170	1	*Gasket, Heat Exchanger		132-0295	1	Pin
4	509-0351	1	*O'Ring		132-0297	1	Plate, Wear
5	800-0317	1	*Screw, Hex Head		132-0309	1	Gasket
			(5/16–18 x 3/4")		132-0306	1	Cover, End
6	502-0153	1	Plug, Square Head (1/4)		132-0310	1	Impellar
7	850-0114-53	6	Washer, Lock (M6)	23	502-1180	1	Elbow, Brass Street (90 deg.)
8	800-6033	4	Screw, Hex Head Cap	24	132-0342	1	Gasket, Water Pump
			(M6 x 1 x 16mm)	25	503-1858	1	Hose, Cooling
9	130-0632	2	Strap, Heat Exchanger	26			Hose, Cooling
10	504-0005	1	Cock, Drain (1/8 – 27)		503–1844	1	MDKUB
11	508-0139	2	Grommet, Heat Exchanger		503–1846	1	MDKWB
12			Bracket, Heat Exchanger	27	503–1850	1	Hose, Cooling
	130-4071-02	1	MDKUB	28	130-4073-02	1	Tube, Cooling
	130-4072-02	1	MDKWB	29	503–1841	1	Hose, Cooling
13	130-4070-02	1	Bracket, Heat Exchanger	30	132–0311	1	Repair Kit, Water Pump
14	800–3018	3	Screw, Hex Head Cap (M10 x 1.25 x 20mm)				(Includes Seal, Gasket and Impeller)
15	850-0114-55	3	Washer, Lock (M10)	31	132-0308	1	Seal
16	503-1137	5	Clamp, Hose	32	132-0309	1	Gasket
17		-	Hose, Cooling	33	132-0310	1	Impeller
	503–1859	1	MDKUB	34	130–5176	1	Kit, Heat Exchanger Cap
	503-1860	1	MDKWB	-			(Includes Parts Marked *)
18	503-1136	5	Clamp, Hose (MDKWB)				(
19	502-1191	1	Connector, Hose				
20	502-1173	1	Elbow, Street (45 deg.)	* _	Parts Included	in Heat I	Exchanger Cap Kit.
21	800–6034	2	Screw, Hex Head Cap (M6 x 1 x 20mm)				

Coolant Recovery



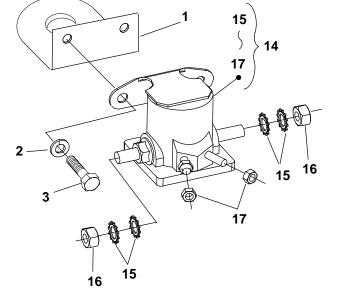
REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1 2 3	130–3574 130–3570 130–3571 503–1692	1 1 1 1	Kit, Coolant Recovery Tank, Coolant Recovery Hanger, Tank Hose (5/16 I.D. x 120" Lg.)	4 5	130–3572 130–3573	1 1	Cap, Tank Hardware Package (Includes Mounting Hardware)





7

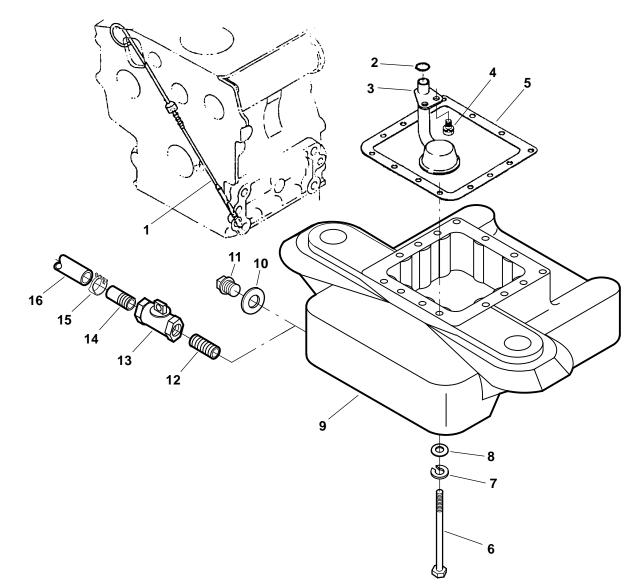
8



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300–4960	1	Kit, Isolated Ground
1	191-2224-02	1	Bracket, Solenoid
2	850-0040	2	Washer, Lock (1/4")
3	800–0005	2	Screw, Hex Head Cap (1/4–20 x 1")
4	821–0014	1	Screw, Lock Head (5/16–18 x 1/2")
5	526-0122	4	Washer, Flat (5/16")
6	870-0257	1	Nut, Self Lock (5/16")
7	813–0100	1	Screw, Round Head Machine (#10 x 1/2")
8	870–0131	1	Nut, ET Hex
9	812–0060	1	Screw, Round Head Machine (#6 x 5/16")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	338–3518	1	Harness, Isolated Ground (Includes Washers, Rectifier, Nuts and Relay)
11	850-0045	2	Washer, Lock (5/16")
12	357–0030	2	Rectifier, Silicon
13	870–0131	2	Nut, ET Hex (10–32)
14	307–1617	1	Relay, Solenoid (Includes Washers and Nuts)
15	853-0040-06	8	Washer, ET Lock
16	862-0026-30	1	Nut, Hex (5/16)
17	870-0131-02	2	Nut, ET Hex (#10–32)

Oil Base

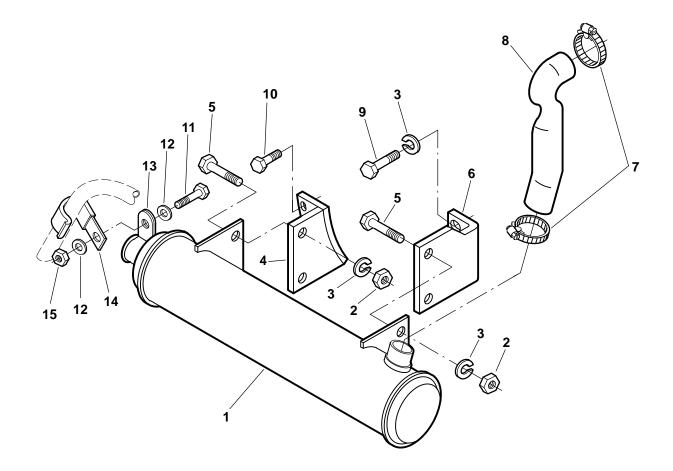


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123–1988	1	Dipstick, Oil
2	185–3078	1	O–Ring
3	185–5496	1	Tube, Öil Pickup
4			Screw, Hex Head Cap
	185–3009	1	Spec A–C
	185–6956	1	Begin Spec D
5			Gasket, Oil Pan
	185–5493	1	* MDKUB
	185–6818	1	* MDKWB
6			Screw, Hex Head Cap
			(M6 x 1 x 110mm)
	800-2048	14	MDKUB
	800–2048	18	MDKWB
7			Washer, Zinc Plated Lock (M6)
	850-0114-53	14	MDKUB
	850-0114-53	18	MDKWB
8			Washer, Zinc Plated Flat (M6)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	526-0018	14	MDKUB
	526-0018	18	MDKWB
9			Base, Oil
	102–1439	1	MDKUB
	102–1440	1	MDKWB
10	185–5495	1	Seal, Oil
11	185–5494	1	Plug, Drain
12	505-0100	1	Nipple, Close (1/2 x 1 1/2")
13	504–0194	1	Valve, Shutoff (1/2")
14	505–1483	1	Nipple, Half (1/2 NPT x 7/8")
15	503–0183	1	Clamp, Hose Drain
16	503–0098	1	Hose, Drain (305mm Long)

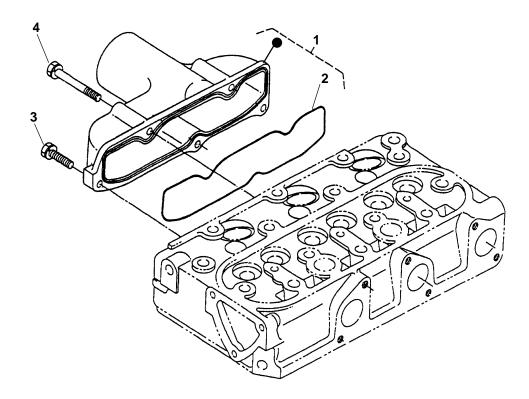
* - 518–0530–01 Thread Sealant May be Used Instead of Gaskets.

Air Silencer

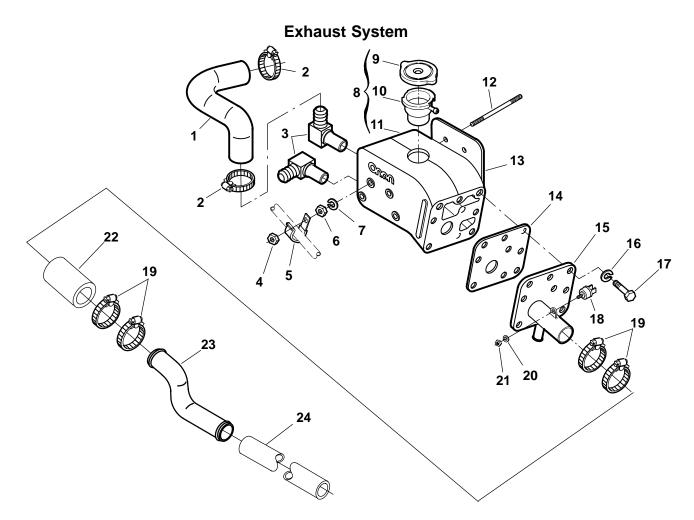


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Muffler, Air Intake	9	800–3018	2	Screw, Hex Head Cap
	155–2779–01	1	MDKUB				(M10 x 1.25 x 20mm)
	155-2779-02	1	MDKWB	10	815–0261	3	Screw, Hex Washer Thread
2	860-2059	4	Nut, Hex (M10 x 1.5mm)				Forming (M6 x 1 x 12.7mm)
3	850-2060	6	Washer, Lock (M10)	11	718–1036	1	Screw (M8 x 1.25 x 20mm)
4	140-2755-02	1	Bracket				(Unhoused Units)
5	800–6085	4	Screw, Hex Head Cap	12	526-2100	2	Washer, Flat (Unhoused Units)
			(M10 x 1.5 x 30mm)	13	332–1024	1	Clamp (Unhoused Units)
6	140-2756-02	1	Bracket	14	518–0515	1	Clamp (Unhoused Units)
7	503-1872-02	2	Clamp, Hose	15	860-2008	1	Nut (M8 x 1.25) (Unhoused
8	503–1893	1	Hose, Intake				Units)

Intake Manifold

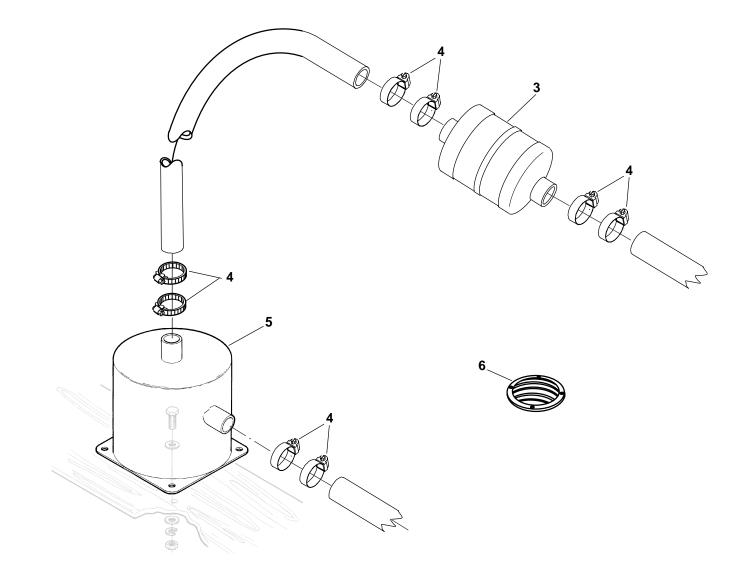


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Manifold, Intake (Includes Gasket)	3	185–2389	2	Screw, Hex Head (M6 x 18mm)
	185–5531	1	MDKUB	4		1	Screw
	185–7087	1	MDKWB		185–5833	1	MDKUB
2			Gasket		185–5833	3	MDKWB
	185–5335 185–5832	1 1	MDKUB MDKWB				



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503–1840	1	Hose, Cooling	14	154–2876	1	Gasket, Exhaust Elbow
2	503–1137	2	Clamp, Hose	15	154–2877	1	Elbow, Exhaust
3	502–1188	2	Elbow (90 deg.)	16	850-0114-54	9	Washer, Lock (M8)
4	862-0026-54	1	Nut (M6 x 1mm)	17	800–6057	9	Screw, Hex Head Cap
5	518–0515	1	Clamp				(M8 x 1.25 x 20mm)
6			Nut, Hex (M6 x 1)	18	309–0597	1	Switch, High Exhaust
	862-0026-54	4	MDKUB				Temperature (S16)
	862-0026-54	6	MDKWB	19	503–1142	4	Clamp, Hose
7			Washer, Lock (M6)	20	853-0040-03	1	Washer, ET Lock (#8)
	850-0114-53	4	MDKUB	21	860-0010	1	Nut, Hex (#8–32)
	850-0114-53	6	MDKWB	22	503–2013	1	Hose, Wet Exhaust
8			Manifold Assy (Includes Cap				(2" I.D. x 4.75" Long)
			and Filler)	23			Tube, Exhaust
	179–2663	1	MDKUB		155-2673-01	1	MDKUB
	179–2662	1	MDKWB		155–2674–01	1	MDKWB
9	130–3721	1	Cap, Filler	24			Hose, Exhaust
10	130–2333	1	Neck, Filler		503-1963-04	1	2" x 3'
11			Manifold, Exhaust		503-1963-05	1	2" x 5'
	154–2874	1	MDKUB		503–1353	1	2" x 10'
	154–2875	1	MDKWB		503–1320	1	2" (Bulk Hose)
12			Stud (M6)				
	520–2041	4	MDKUB				
	520–2041	6	MDKWB				
13			Gasket, Exhaust Manifold				
	154–2861	1	MDKUB				
	154–2862	1	MDKWB				

Resonator

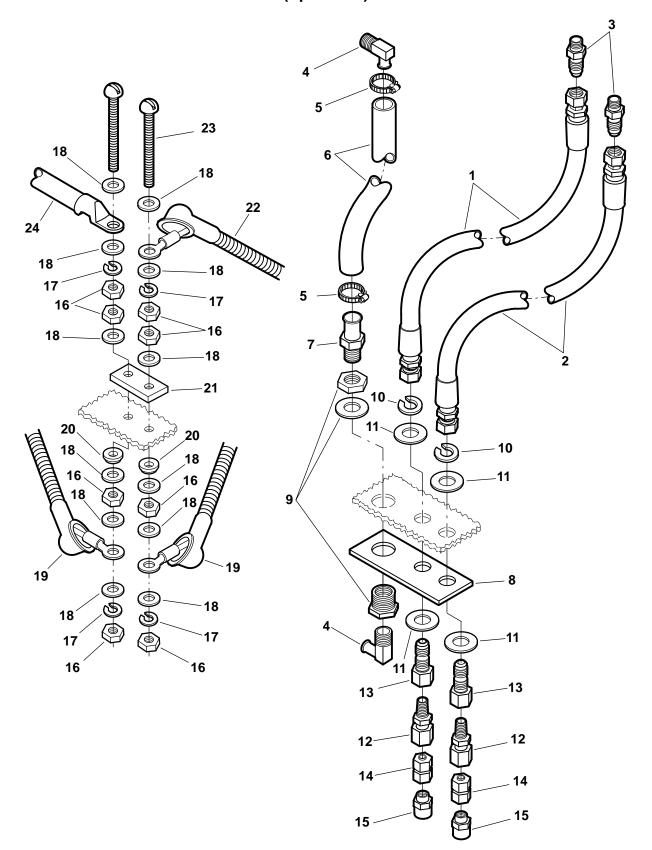


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.
1	155–3147	1	Kit, Marine Muffler (Includes	4	503–1142
			Parts Marked *)	5	155–2029
2	155–3239	1	Kit, Resonator (Includes Resonator and Instruction Sheet) (Replaces Old Vetus	6	155–1002
0	455 0440	4	Resonator)	* _	Parts Includ
3	155–3149	1	*Resonator, Marine (2")		

PART NO.	QTY USED	PART DESCRIPTION
503–1142	12	*Clamp, Hose
155–2029	1	*Muffler, Marine
155–1002	1	*Strainer, Slotted
	NO. 503–1142	NO. USED 503–1142 12 155–2029 1

^{* -} Parts Included in Marine Muffler Kit.

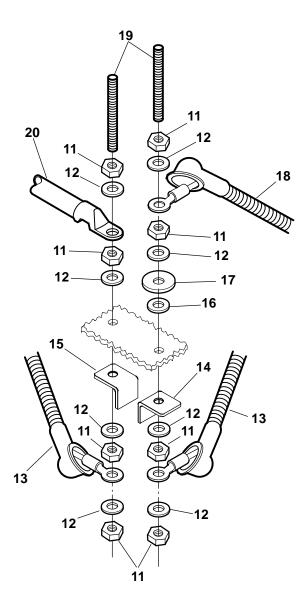
Bulkhead (Spec A–B)

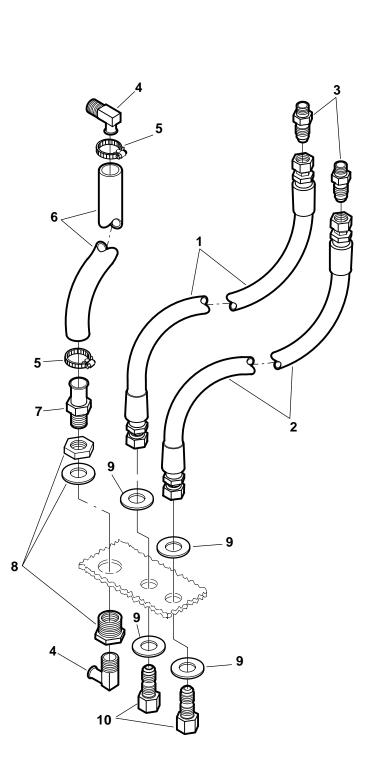


Bulkhead (Spec A–B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Line, Return Fuel	13			Connector, Female Bulkhead
	501-0611-01	1	Spec A		502-1206	2	Spec A
	501-0672-01	1	Spec B (28 1/2") (Shown)		505–1489	2	Spec B
2			Line, Inlet Fuel	14	505–1484	2	Adapter, Pipe (Spec A)
	501-0611-02	1	5.0 KW (Spec A)	15	505–1486	2	Coupling, Reducer (Spec A)
	501-0611-03	1	6.0/7.5/9.0 KW (Spec A	16	871-0025	8	Nut, Brass Hex (5/16–18)
	501-0672-02	1	Spec B (38 1/2") (Shown)	17	850-0045	4	Washer, Lock (5/16)
3	505-1490	2	Connector, Male (Spec B)	18	526-0054	12	Washer, Flat (5/16)
4	502-0942	2	Elbow, 90° Hose	19			Insulator, Terminal
			(Beaded)		332-2112-00	1	Black
5	503-0977	2	Clamp, Hose (#10 SS)		332-2112-01	1	Red
6	503-1496	1	Hose, Coolant	20	508-0332	2	Washer, Phenolic
7	502-0943	1	Connector, Hose (Beaded)	21	232–3791	1	Plate, Insulating
8	405-4810-03	1	Panel, Bulkhead (Spec A Only)	22	416-0987-02	1	Cable Assy, Battery (Pos)
9	502-1209	1	Coupling, Anchor	23	810–0186	2	Screw, Round Head Brass
10	850-0065	2	Washer, Lock (9/16") (Spec A)				Machine (5/16–18 x 2 1/2")
11	526-0406	4	Washer, Flat	24	226-4706-01	1	Cable Assy, Battery (Neg)
12	505–1485	2	Adapter, NPT Metric (Spec A & B)				

Bulkhead (Begin Spec C)

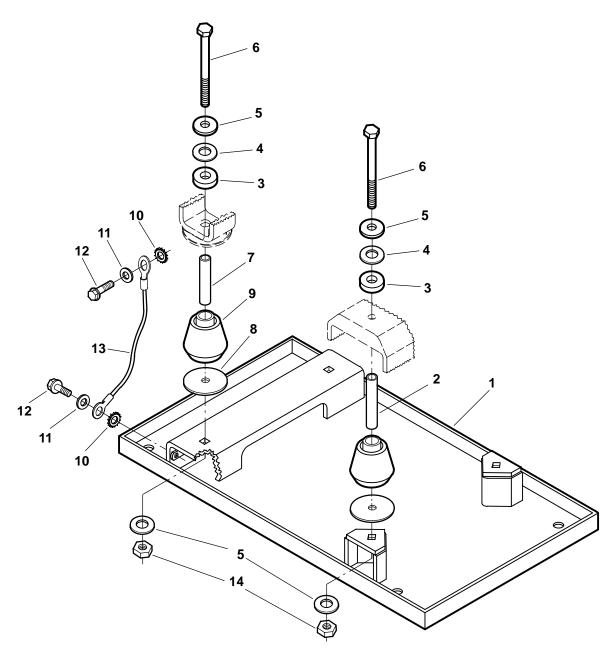




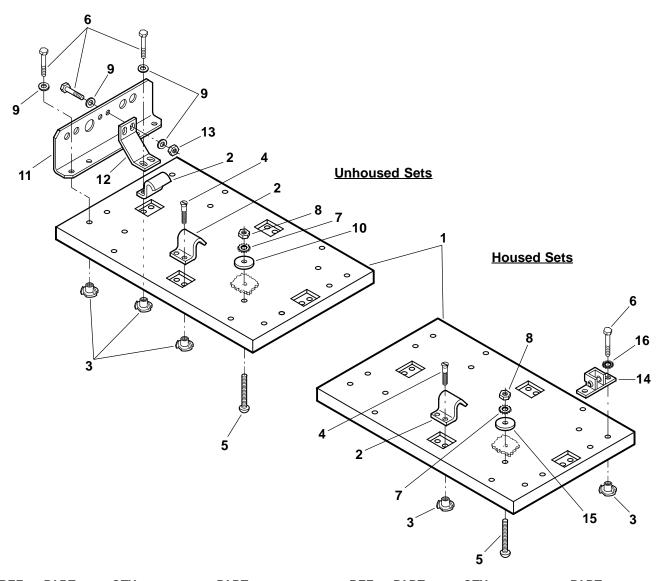
Bulkhead (Begin Spec C)

REF		QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	501-0672-01	1	Line, Return Fuel (28.5")	11	871–0025	8	Nut, Brass Hex (5/16–18)
2			Line, Inlet Fuel	12	526-0054	8	Washer, Flat (5/16)
	501-0672-02	1	Spec C,D (38.5")	13			Insulator, Terminal
	501-0672-03	1	Begin Spec E (35.5")		332-2112-00	1	Black
3	505-1490	2	Connector, Male (Spec B)		332-2112-01	1	Red
4	502-0942	2	Elbow, 90° Hose	14	370-1137-01	2	Angle, Red Insulating
			(Beaded)	15	370-1137-02	1	Angle, Black Insulating
5	503-0977	2	Clamp, Hose (#10 SS)	16	508–0334	2	Washer, Phenolic
6	503–1496	1	Hose, Coolant	17	508–0328	4	Washer, Lock (5/16)
7	502-0943	1	Connector, Hose (Beaded)	18	416-0987-02	1	Cable Assy, Battery (Pos)
8	502-1209	1	Coupling, Anchor	19	332–3286	2	Stud
9	526-0406	4	Washer, Flat	20	226-4706-01	1	Cable Assy, Battery (Neg)29.5"
10	505–1489		Connector, Female Bulkhead				

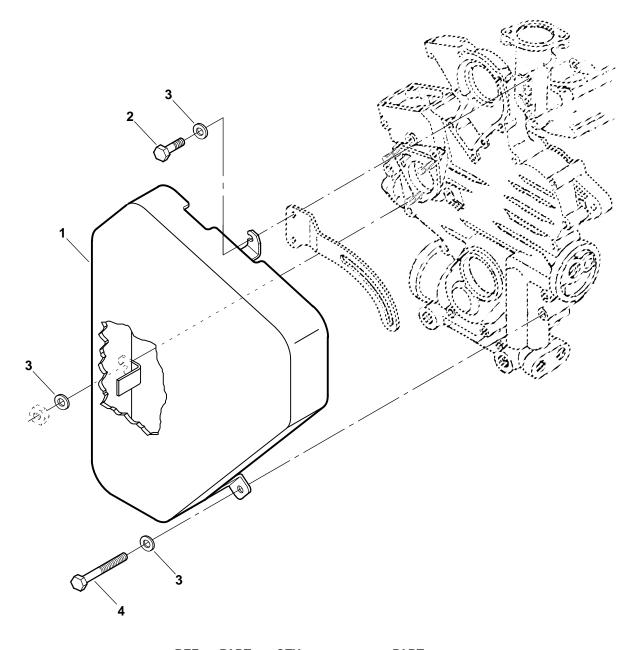




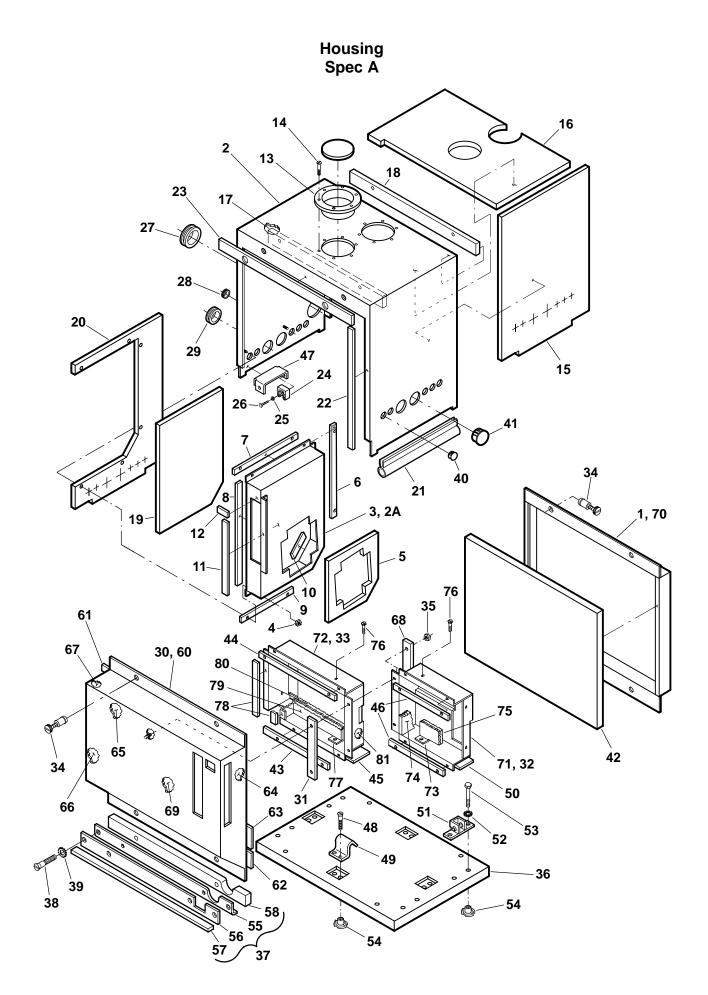
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Pan, Drip	9	402–0284	4	Cushion, Vibration
	403-3348-02	1	MDKUB	10	853-0040-54	2	Washer, External Tooth Lock
	403-3355-02	1	MDKWB				(M6)
2	402-0290	2	Bushing, Spacer	11	526-0399-58	2	Washer, Flat (M6)
3	402–0282	4	Snubber	12	815–0261	2	Screw, Hex Washer Head Cap
4	526-0198	4	Washer, Flat (9/16")				(M6 x 1 x 12.5mm) Thread
5	526-0014	8	Washer, Flat (5/16")				Forming
6	800–0311	4	Screw, Hex Head Cap	13			Strap, Ground
			(7/16–14 x 3–3/4)		226-4436		6.5" Spec A
7	370-4028	2	Bushing, Spacer		226-4632		19" Begin Spec B
8	526–0195	4	Washer, Flat (7/16")	14	862-0010	4	Nut, Hex (7/16–14)



REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
			Base Assy	5	816–0151	4	Bolt, Carriage (3/8–16 x 1–3/4")
			MDKUB	6			Screw, Hex Head Cap
	405-4609-01	1	Housed Units				(5/16–18 x 3/4")
	405-5195-01	1	Unhoused Units		800-0026	8	Housed Units
			MDKWB		821-5003-03	8	Unhoused Units
	405-4609-02	1	Housed Units	7	856-0010	4	Washer, EIT Lock (3/8)
	405-5195-02	1	Unhoused Units	8	862–1011	4	Nut, Hex (3/8–16)
1			Base, Housing/Mounting	9	526-0399-61	2	Washer, Flat (5/16) (Unhoused)
	405-4595-S2	1	MDKUB	10	526-0077	4	Washer, Flat (3/8") (Unhoused)
	405-4619-S2	1	MDKWB	11	403-3727-03	1	Plate, Bulkhead (Unhoused)
2			Bracket, Drip Pan	12	403-3728-03	1	Bracket, Bulkhead (Unhoused)
	405-4679-02	4	Black	13	870-0550-07	2	Nut, Hex Flange (5/16–18)
	405-4679-03	4	White				(Unhoused)
3			Nut, Tee (5/16–18)	14	405–4749	4	Bracket Assy, Pin (Housed)
	870–0413	16	Housed Units	15	526-0017	4	Washer, Flat (7/16") (Housed)
	870–0413	12	Unhoused Units	16	855-0013	8	Washer, EIT Lock (5/16)
4			Screw, Slot (5/16–18 x 5/8")				(Housed)
	814–0176	8	Housed Units				
	814–0176	6	Unhoused Units				

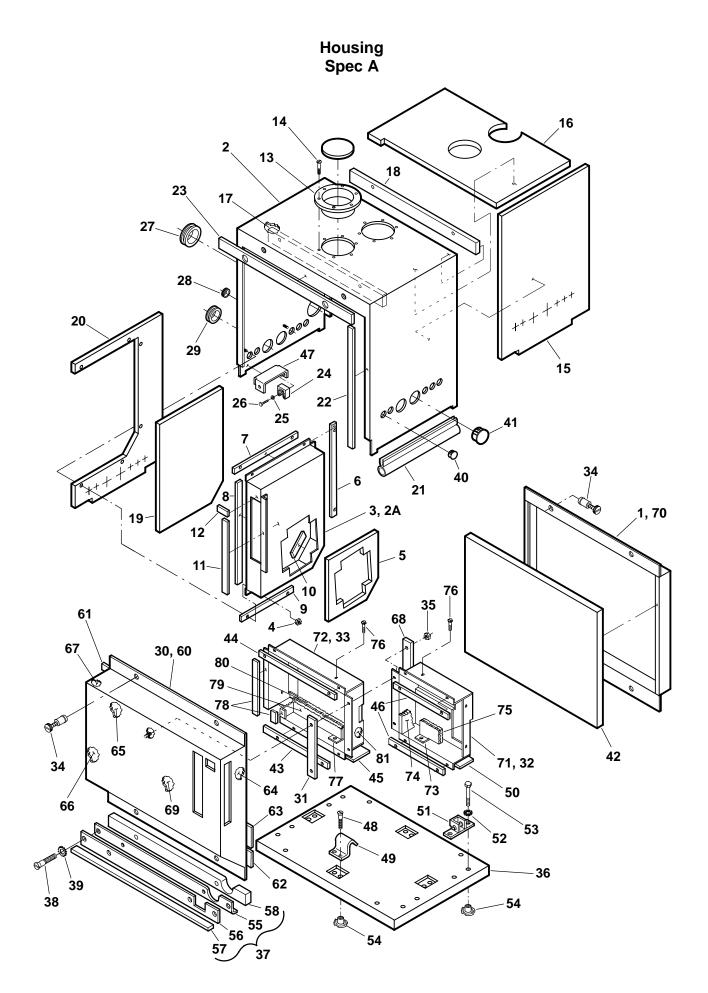


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–4363–	-03 1	Guard, Belt
2	800–2034	1	Screw, Hex Head Cap
			(M6 x 1 x 20mm)
3	526–2081	3	Washer, Flat (M6)
4	800–2041	1	Screw, Hex Head Cap
			(M6 x 1 x 55mm)



Housing Spec A

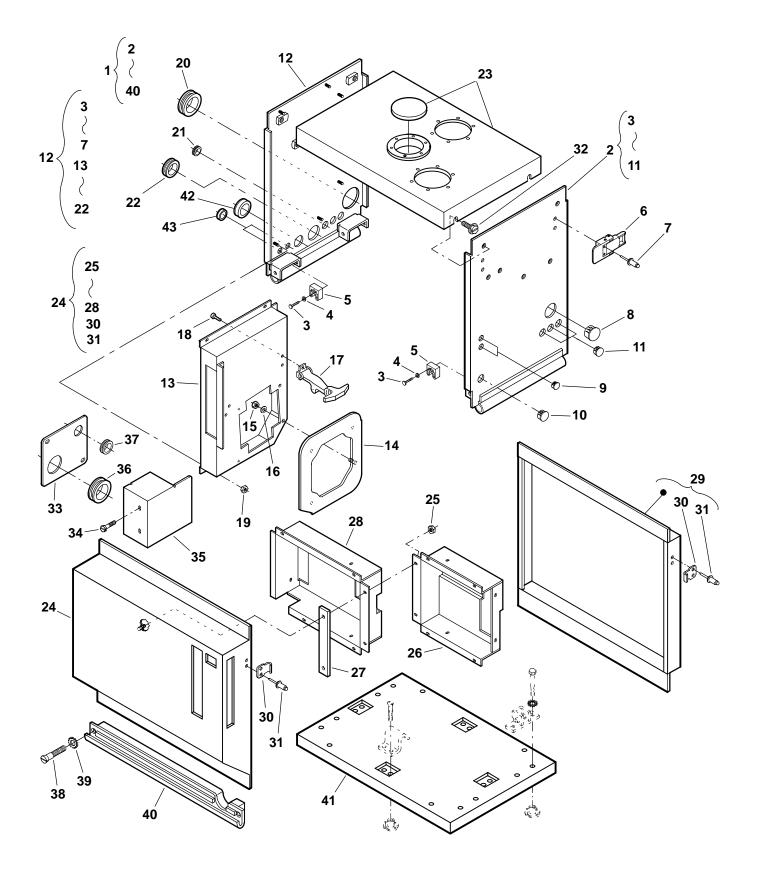
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			^Door, Rear	34	406-0742	8	^+Screw, Panel (Spring Eject.)
	405-4594-03	1	MDKUB	35	870-0235	10	+Nut, Self Locking (#8–32)
	405-4611-03	1	MDKWB	36			Base, Housing
2			#Housing		405-4595-02	1	MDKUB
	405-4598-03	1	MDKŬB		405-4619-02	1	MDKWB
	405-4617-03	1	MDKWB	37			#Housing Assy, Side (Includes
2A	405–4606	1	Baffle, Housing (Includes Parts				Parts Marked @)
			Marked *)		405-4761-01	2	MDKUB
3	405-4603-03	1	*Weldment, Baffle		405-4761-02	2	MDKWB
4	870–0235	6	<pre>#Nut, Self Locking Hex(#8–32)</pre>	38	814–0148	4	Screw, Flat Head Machine
5	405–4704	1	*Insulation, Baffle				(1/4–20 x 1/2")
6	405–4718	1	*Gasket, Baffle	39	855–0011	4	Washer, ET Lock (1/4)
7	405–4719	1	*Gasket, Baffle	40	517–0137	5	Plug, Hole
8	405–4721	1	*Gasket, Baffle	41	517-0138-07	2	Plug, Hole
9	405-4720	1	*Gasket, Baffle	42			^Insulation, Rear Door
10	405–4722	1	*Gasket, Baffle		405–4703	1	MDKUB
11	405-4724	1	*Gasket, Baffle	4.0	405–4712	1	MDKWB
12	405-4723	2	*Gasket, Baffle	43	105 1710 01		♦ Gasket, Baffle
13	405-4714	2	Cover, Access		405-4748-01	1	MDKUB
14	815–0142	12	Screw, Flat Head Machine	4.4	405–4748–02	1	
15	405 4604	4	(#6-32 x 1/2")	44	105 1717 01	4	♦ Gasket, Baffle
15	405–4691	1	#Insulation, Side Housing		405-4747-01	1	
16	405–4690	1	#Insulation, Roof	45	405–4747–02	1	MDKWB ♦ Insulation, Baffle (Generator
	405-4090	1	MDKUB MDKWB	40			End)
17	405-4705	1	#Insulation, Front Housing		405-4735-01	1	MDKUB
17	405–4695	1	MDKUB		405-4735-02	1	MDKWB
	405-4707	1	MDKWB	46	400-4700-02		Ω Gasket, Baffle
18	400 4707		#Insulation, Rear Housing	40	405-4746-01	2	MDKUB
10	405–4697	1	MDKUB		405-4746-02	2	MDKWB
	405–4709	1	MDKWB	47	100 11 10 02	-	Support, Housing Clip
19	405–4693	1	#Insulation, Side Housing		405–4713	2	Left Hand
20	405–4692	1	#Insulation, Side Housing		405-4596	2	Right Hand
21	405–4754	2	#Seal, Housing	48	814–0176	8	Screw, Flat Head Slot
22	405-4752	4	#Gasket, Housing				(15/16–18 x 5/8")
23			#Gasket, Housing	49	405-4679-02	4	Bracket, Drip Pan
	405-4751-01	2	MDKUB	50			Ω Insulation, Baffle (Engine End)
	405-4751-02	2	MDKWB		405-4744-01	1	MDKUB
	405–1872	4	#Clip, Door		405-4744-02	1	MDKWB
25	526-0003	8	#Washer, Flat (#8)	51	406–4610	4	Bracket Assembly, Pin
26	818–0150	8	#Rivet, Drive Pin	52	855–0013	8	Washer, EIT Lock (5/16")
27	508–0063	1	#Grommet	53	800–0026	8	Screw, Hex Head Cap
28	508–0071	5	#Grommet				(5/16 – 18 x 3/4")
29	508–0055	2	#Grommet	54	870–0413	16	Nut, Tee (5/16 – 18)
30			+Door, Front	55			@ Housing, Side
	405-4599-03	1	MDKUB		405-4681-03	2	MDKUB
	405-4608-03	1	MDKWB		405–4616–03	2	MDKWB
31	405–4745	1	+Gasket, Baffle				
32			+Baffle Assy, Door Air (Eng.	* _	Parts Included	in Hou	sing Baffle
	105 1600 04	1	End) (Includes Pats Marked Ω)				Housing Assy.
	405-4682-01	1			Parts Included		
22	405–4682–02	1	MDKWB				it Housing Door Assy.
33			+Baffle Assy, Door Air (Gen. End) (Includes Parts Marked				r Housing Door Assy.
			\diamond)				r Air Baffle Assy (Engine End).
	405–4729–01	1	MDKUB				r Air Baffle Assy (Generator End).
	405-4729-02	1	MDKWB				- 、
	100 1720 02	•					



Housing Spec A

REF NO.	PART NO.	QTY USEC	PART D DESCRIPTION	REF NO.	PART NO.	QT USE	
56			@ Gasket, Housing	71			Ω Baffle, Door Air (Eng. End)
00	405-4750-01	2	MDKUB		405-4601-03	1	MDKUB
	405-4750-02	2	MDKWB		405-4612-03	1	MDKWB
57		_	@ Gasket, Housing	72		•	♦ Weldment, Air Baffle (Gen.
•••	405-4753-01	2	MDKUB				End)
	405-4753-02	2	MDKWB		405-4676-03	1	MDKUB
58			@ Insulation, Housing		405-4615-03	1	MDKWB
	405-4696	2	MDKUB	73			Ω Panel, Air Baffle (Eng. End)
	405–4708	2	MDKWB		405-4677-03	1	MDKUB
59			Housing Assy (Includes Parts		405-4684-03	1	MDKWB
			Marked #)	74	405–4738	1	Ω Insulation, Baffle (Eng. End)
	405-4614-01	1	MDKUB	75			Ω Insulation, Baffle (Eng. End)
	405-4614-02	1	MDKWB		405-4741-01	1	MDKUB
60			Door Assy, Front Housing		405-4741-02	1	MDKWB
			(Includes Parts Marked +)	76	815–0652	8	$\Omega \diamondsuit$ Screw, Hex Head Slot
	405-4600-01	1	MDKUB				(#10–32 x 1/2")
	405-4600-02	1	MDKWB	77			\diamond Panel (Weldment) (Gen. End)
61			+Insulation, Front Door		405-4771-03	1	MDKUB
	405–4699	1	MDKUB		405-4772-03	1	MDKWB
	405–4710	1	MDKWB	78	405–4749	2	\diamond Gasket, Baffle
62			+Insulation, Front Door	79			\diamond Insulation, Door (Eng. End)
	405–4700	1	MDKUB		405-4727-01	1	MDKUB
	405–4711	1	MDKWB		405-4727-02	1	MDKWB
63			+Insulation, Front Door	80			♦ Insulation, Baffle (Gen. End)
	405-4694	1	MDKUB		405-4730-01	1	MDKUB
~ ~ ~	405-4706	1	MDKWB		405-4730-02	1	MDKWB
64	405–4701	1	+Insulation, Front Door	81	405–4726	1	\diamond Insulation, Baffle (Gen. End)
65	405 4700 04		+Insulation, Door (Gen. End)				
	405-4728-01	1	MDKUB	* _	Parts Included	1 in H	ousing Baffle
66	405-4728-02	1	MDKWB				ide Housing Assy.
66	405-4731	1	+Insulation, Door		Parts Include		
67	405-4702	1 1	+Insulation, Front Door				ront Housing Door Assy.
68 69	405–4698	I	+Insulation, Front Door +Insulation, Door (Eng. End)				ear Housing Door Assy.
09	405-4727-01	1	MDKUB				oor Air Baffle Assy (Engine End).
	405-4727-01	1	MDKWB				oor Air Baffle Assy (Generator End).
70	-00-4121-02	1	Door Assy, Rear Housing	-			
10			(Includes Parts Marked^)				
	405-4597-01	1	MDKUB				
	405-4597-02	1	MDKWB				
		•					

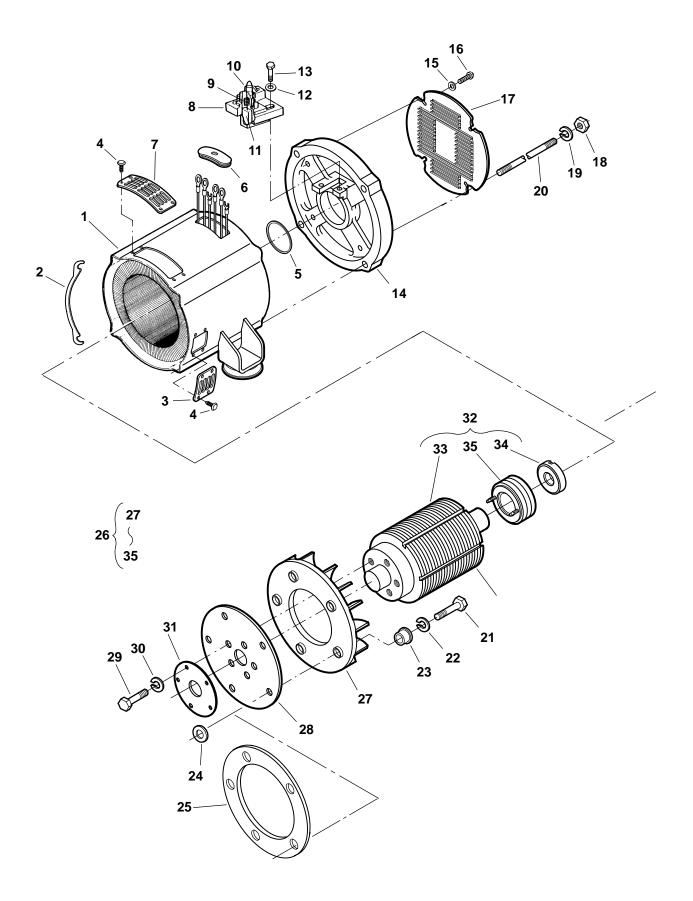
Housing Spec B



Housing Spec B

REF NO.	PART NO.	QTY USEI		REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Housing Assy (Includes Parts	26			~Baffle, Door Air (Engine)
			Marked *)	20	405-4994-01	1	MDKUB
			Spec B		405-4994-02	1	MDKWB
	405-4978-01	1	MDKUB	27	405-5055	1	~Gasket, Baffle
	405-4978-02	1	MDKWB	28			~Baffle, Door Air (Generator)
			Begin Spec C		405-4997-01	1	MDKUB
			W/2 Access Holes		405-4997-02		MDKWB
	405–5806–01	1	MDKUB	29			*Door Assy, Rear (Includes
	405-5806-02	1	MDKWB				Spring Catch and Rivets)
			W/3 Access Holes		405-4989-03	1	MDKUB
	405-5806-03	1	MDKUB		405–4989–04	1	MDKWB
	405–5806–04	1	MDKWB	30	406-0528-01	4	~Catch, Spring
2	405–4979–01	1	*Housing Assy, Front (Includes	31	818-0194	8	~Rivet
			Parts Marked ^)	32	815-0573	4	*Screw, Hex Washer Head
3	818-0150	4	+^Rivet, Drive Pin	33	405-4715-03	1	*Bracket, Baffle
4	526-0003	4	+^Washer, Flat (#8)	34	815–0652	4	*Screw, Hex Head Slot
5	405–1872	4	+^Clip, Door	05			(#10–32 x 1/2")
6	406-0528-02	4	+^Catch, Spring	35			*Baffle, Muffler
7	818-0194	8	+^Rivet		105 1716 00	4	MDKUB
8 9	517–0138–07 517–0134	1 2	^Plug, Hole		405-4716-02	1	Black White
10	517-0134	2	^Plug, Hole ^Plug, Hole				MDKWB
11	517-0137	3	^Plug, Hole		405-4717-02	1	Black
12	405–5672–S2		*Housing Assy, Back (Includes		405-4717-02	1	White
12	400 0072 02		Parts Marked +)	36	508-0234	1	*Grommet
13	405–4983	1	+Baffle, Housing (Includes Plate,	37	508-0071	1	*Grommet
10	100 1000		Nut, Washer, Latch and Rivet)	38	814–0148	4	*Screw, Flat Head Slot
14	405-5149-02	1			(1/4–20 x .50")		
15	870-0235	4	Nut, Self–Locking (8–32)			*Washer, ET Lock (1/4)	
16	526-0062	8	Washer, Flat (.20 x .50)	40		*Rail Assy, Lower	
17	406-0744-01	2	Latch	405–5006–01 2 MDKUB			
18	818-0217-03	4	Rivet	Rivet 405–5006–02 2 ME		MDKWB	
19	870–0235	6	+Nut, Self Lock Hex (#8–32)	41			Base Assy (See Separate Page
20	508–0063	1	+Grommet				for Components)
21	508–0071	1	+Grommet				Housed Units
22	508–0055	1	+Grommet		405-4609-01	1	MDKUB
23			*Housing Assy, Top (Includes		405-4609-02	1	MDKWB
			Access Cover and Screws)				Unhoused Units
			W/2 Access Holes		405–5195–01	1	MDKUB
	405-4986-03		MDKUB		405-5195-02	1	MDKWB
	405–4986–04		MDKWB		517-0122	1	Plug, Plastic Cover
	405 4000 07		W/3 Access Holes	43	517–0090	1	Plug, Plastic Cover
	405-4986-07		MDKUB				
24	405–4986–08		MDKWB				
24			*Door Assy, Front (Includes	* _	Parts Included	in Hous	sing Assv.
	105_1002 02	1	Parts Marked ~) MDKUB				t Housing Assy.
	405–4992–03 405–4992–04	1 1	MDKUB		+ – Parts Included in Back Housing Assy.		
25	870-0235	10	~Nut, Self Locking Hex		Parts Included		
20	010-0200	10	That, Oen Looking Hex				2

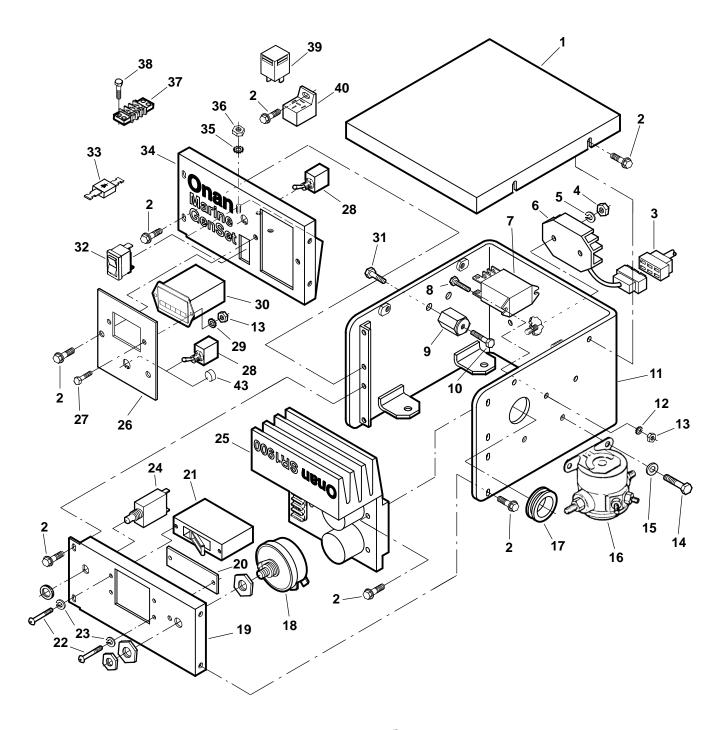
Generator

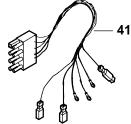


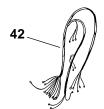
Generator

REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1			Stator	21	800-3017-20	5	Screw, Hex Head Cap
	220-4441-01	1	MDKUB				(M8 x 1.25 x 25mm)
	220-4441-02	1	MDKWB	22	850-0114-54	5	Washer, Lock (M8)
2	232-3856-02	1	Shim (Spec A) (Use as	23	232–3296	5	Spacer, Fan
			Required)	24	232-3719-02	5	Spacer, Drive Disc
3	232–3651	1	Guard, Fan (Small)	25	232-4070	1	Spacer, Drive Disc
4	518–0649	16	Clip, Push On	26			Rotor Assy, Generator Fan
5	509–0196	1	O'Ring (Spec A)				(Includes Parts Marked *)
6	508–1085	1	Grommet, Lead Out		201-3487-S1	1	MDKUB
7	232–3632	3	Guard, Fan (Large)		201–3487–S2	1	MDKWB
8	212–1285	1	Block Assy, Brush	27	205–0203	1	*Fan, Generator
			(Includes Brushes & Springs)	28	232–3633	1	*Disc, Generator Drive
9	212-1276-03	2	Spring, Generator Brush 29 718–1037 5 *Screw, Hex H		*Screw, Hex Head Cap		
10	212–1286	1	Block, Brush (with Terminal)				(M8 x 1.25 x 25mm)
11	214–0103	2	Brush, Generator	30	850–2008	5	*Washer, Lock (M8)
12	526-0399-56	2	Washer, Flat (M5)	31	232–3671	1	*Ring, Clamp
13	800–0309–89	2	Screw, Hex Head Machine	32			*Rotor Assy, Generator (Includes
14	211–0447	1	(M5 x 0.8 x 16mm) Endbell		201-3350-01	1	Parts Marked +) MDKUB
14	526–0003	•			201-3350-01	-	MDK0B
-		4 4	Washer, Flat (#8)	22		1	
16	815–0862	4	Screw, Round Head Machine	33	232–3649 510–0099	1	+Hub, Rotor
17	211 0140 02	4	(M4 x 0.7 x 10mm)	34		1	+Bearing, Ball
17	211–0448–02	1	Cover, Endbell (Unhoused Units)	35	204–0141	1	+Ring, Collector
18	862-0003	4	Nut, Hex (3/8–16)				
19	850-0114-07	4	Washer, Lock (3/8)	 Parts Included in Generator Fan Rotor Assy. Parts Included in Generator Rotor Assy. 			
20	520-0998-01	4	Stud (3/8–16) MDKUB	•			

520–0998–02 4 MDKWB

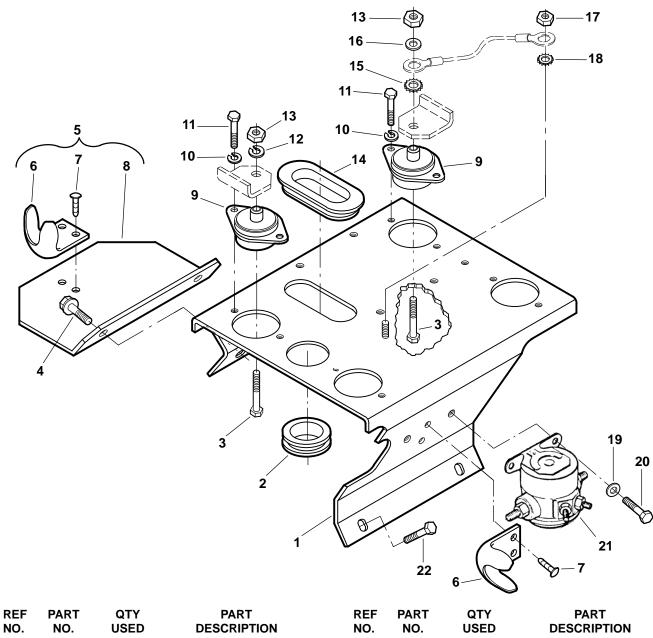






Control Box

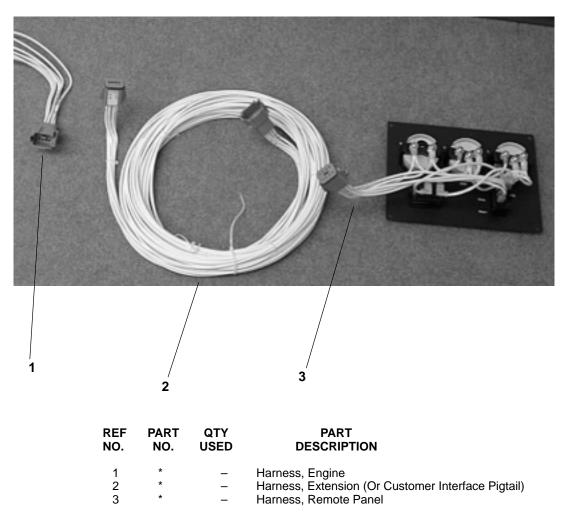
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2	319–1461–02 800–3022	1 19	Cover, Control Screw, Lock Head Flange	22	812–0061	4	Screw, Round Head Machine (Breaker Mounting)
0	000 4570		(M5 x 0.8 x 14mm)	00	050 0000		(#6–32 x 3/8")
3	323–1573	1	Plug, Mating	23	850-0020	4	Washer, Lock (.25 OD x .042 ID)
4	860-2021	2	Nut, Hex (M6 x 1mm)	24	320–1769	1	Breaker, Circuit (Field) (CB2)
5	850-0114-53	2	Washer, Lock (M6)	25	205 0054 04	4	(Includes Nut)
6	404 0005		Regulator, DC Voltage	25	305-0854-04	1	Regulator, AC Voltage (VR1)
	191-2095	1	Spec A–C	26	240 4450 02	4	*Panel, Start/Stop
7	185-7396	1	Begin Spec D Relay, Start Disconnect (K16)		319–1458–02	1	With Time Totalizing Meter Holes
7 8	307–2594 800–3019	1	Screw (M3 x 0.5 x 14)		319–1893–02	1	Without Time Totalizing Meter
о 9	332-2370	2 2	Standoff, Insulating		319-1093-02	I	Holes
9 10	821-0009	2	Screw, (1/4–20 x 3/8") (Units	27	800–3019	2	Screw, Hex Head Cap
10	021-0009	2	With 1 Pole Main Line Breaker)	21	000-3019	2	(M3 x 0.5 x 14mm)
11			Wrapper, Control	28	308–1017	2	Switch, Toggle (S10, 12)
	319–1660–02	1	Spec A,B	29	853-0040-51	2	Washer, ET Lock (M3)
	319-3101-02	1	Begin Spec C	30	302-0885	1	Meter, Time Totalizing (M18)
12	853-0001	2	Washer, ET Lock (.12)	31	821-0008	2	Screw (1/4–20 x 5/16")
13	860-2053	4	Nut, Hex (M3 x .5mm)	32	320–1739	1	Breaker, Circuit (CB08)
14	800-6029	2	Screw, Hex Head Cap	33	357-0030	1	Rectifier (CR12)
• •	000 0020	2	$(M6 \times 1 \times 12 \text{mm})$ (Begin	34	007 0000	•	Panel, DC Control
			Spec B	01	319-1669-02	1	W/Removeable Panel
15	526-0399-58	2	Washer, Flat (M6)		319-3066-02		W/O Removeable Panel
		_	(Begin Spec B)	35	853-0040-53	1	Washer, ET Lock (M5)
16	307–1617	1	Relay, Start Solenoid	36	860–2020	1	Nut, Hex (M5 x 0.8)
17	508-0258	1	Grommet	37	332–3136	1	Block, Terminal (TB13)
18	303-0285	1	Potentiometer (R1) (Includes	38	800-3021	2	Screw, Hex Head Cap
			Nuts)				(M4 x 0.7 x 16mm)
19	319-1665-02	1	Panel, AC Control	el, AC Control 39 307-2767 4 Relay 24		Relay 24 VDC SPDT	
20	320-1813-02	1	Plate, Control Cover (Units				(K04, 11, 13, 15)
			With 1 Pole Main Line Breaker)	40	323–1563	4	Socket, Relay
21			Breaker, Circuit (Main Line)	41	338–2793	1	Harness, Panel Wiring
			(CB1)	42			Harness, Start/Stop Panel
			MDKUB				(For Use When Panel is
	320-1690-16	1	25A				Remote Mounted – Spec
	320-1690-10	1	55A				A–B Only)
	320-1689-03	1	Spec 54477, 58558,		338–2794	1	15 Feet
			64313 (25 Amp)		338–2794–01	1	25 Feet
	320-1689-04	1	Spec 54476, 60508,		338–2794–02	1	45 Feet
			68572 (30 Amp)	43	517–0132	1	Plug, Hole
			MDKWB				
	320–1690–01	1	Spec 56679, 58559 (35 Amp)	* _			top Panel Harness When
	320-1690-05	1	Spec 56678, 60507		Remote Moun		–
			(80 Amp)				ge Regulator Harness.
	320-1689-05	1	Spec 54477, 58558	+ -	Parts Included	in Engin	e Harnes (Begin Spec C).
			(35 Amp)				
	320-1689-06	1	Spec 54476, 60508				
			(40 Amp)				



NO.	NO.	USED	DESCRIPTION	NO.	NO.
1	319-1657-02	1	Saddle, Control	12	850-0114
2	155–1252	1	Grommet (Begin Spec B)	13	860-2021
3	800-3023	4	Screw, Hex Head Cap	14	508-1057
			(M6 x 1 x 40mm)	15	853-0040
4	815–0290	2	Screw (1/4–20 x 5/8") (Housed	16	526-0399
			Sets)	17	862-0013
5	405–5209	1	Bracket Assy, Latch (Includes	18	853-0040
			1 Latch Keeper 2 Rivets, and	19	526-0399
			Bracket) (Housed Sets)	20	800-6029
6	406-0744-02	2	Keeper, Latch (Begin Spec B)		
7	818-0217-03	4	Rivet (Begin Spec B)	21	307–1617
8	405-5210-02	1	Bracket, Latch (Begin Spec B)	22	
9	402–0654	4	Mount, Control		
10	526–2080	8	Washer, Lock (M4)		815-0261
11	800–3020	8	Screw, Hex Head Cap (M4 x 0.8 x 13mm)		815–0261

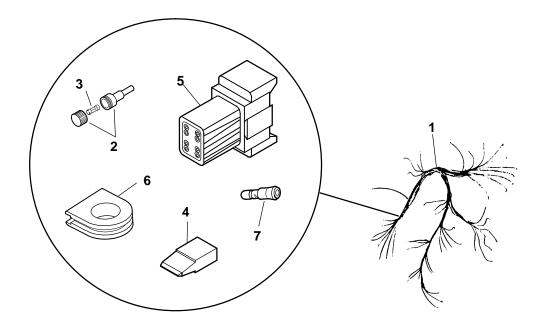
	03ED	DESCRIPTION
14–53	3	Washer, Lock (M6)
21	4	Nut, Hex (M6 x 1mm)
57	1	Grommet
40–54	1	Washer, ET Lock (M6)
99–58	1	Washer, Flat (M6)
13	1	Nut, Hex (1/4–20)
40–05	1	Washer, ET Lock (1/4)
99–58	2	Washer, Flat (M6)
29	2	Screw, Hex Head Cap
		(M6 x 1 x 12mm)
17	1	Relay, Start Solenoid
		Screw, Hex Head Cap
		(M6 x 1 x 12) Thread Forming
61	4	Unhoused
61	2	Housed

Harness Location

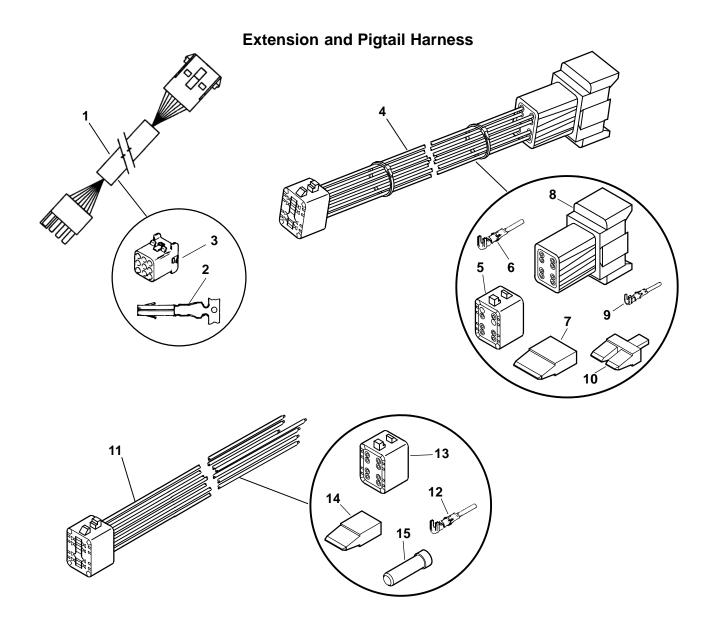


* - See Index for Page Numbers of Detailed Descriptions.

Engine Harness

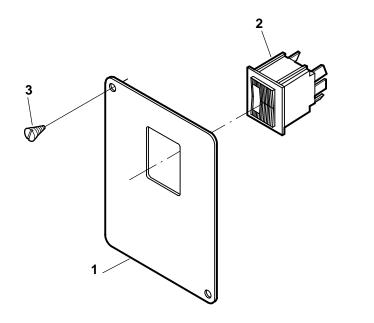


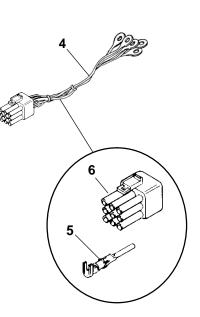
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
1			Harness, Engine (Reaches from	2	321–0267	1	+Holder, Fuse	
			Genset to Extension Harness	3	321–0113	1	+Fuse (F1)	
			or Customer Interface Pigtail	4	323–1544	1	+Wedge, Receptacle (8 Pin)	
			Harness)	5	323–1542	1	+Housing, Receptacle (8 Pin)	
			Spec A, B (Includes Fuse and	6	508–1105	1	+Grommet, Remote	
			Fuse Holder)	7	332–3279	AR	+Connector, Bullet	
3	338–2792	1	MDKUB					
338–2803		1	MDKWB					
			Begin Spec C (Includes Parts	 + – Parts Included in Engine Harness. 		ne Harness.		
			Marked +)					
3	338–3444	1	MDKUB					
3	338-3455	1	MDKWB					



REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1			Harness, Extension (Spec A, B)	5	323–1541	1	#Plug (8 Pin)
			(Reaches From Engine	6	323–1492	8	#Terminal, Socket
			Harness to Remote Panel	7	323–1543	1	#Wedge, Plug (8 Pin)
			Harness) (Includes Contact	8	323–1542	1	#Receptacle (8 Pin)
			Socket and Connector Cap)	9	323–1491	8	#Terminal, Pin
	338-2874-01	1	15 Feet	10	323–1544	1	#Wedge, Receptacle (8 Pin)
	338-2874-02	2	25 Feet	11	338–3098	1	Harness, Customer Interface
	338-2874-03	1	45 Feet				Pigtail (12") (Begin Spec C)
2	323–1200	AR	Socket, Contact				(Reaches From Engine
3	323–1325	1	Cap, Connector				Harness to Customer
4			Harness, Extension (Begin				Hookup) (Includes Parts
			Spec C) (Reaches From				Marked *)
			Engine Harness to Remote	12	323–1492	7	*Terminal, Socket
			Panel Harness) (Includes	13	323–1541	1	*Plug (8 Pin)
			Parts Marked #)	14	323–1543	1	*Wedge, Plug (8 Pin)
	338–3167	1	15 feet	15	323–1591	1	*Plug, Connector
	338–3168	1	25 feet				
	338-3169-00	1	45 feet				
	338–3169–01	1	75 feet				
	338-3169-02	1	100 feet				
	338-3169-03	1	150 feet				

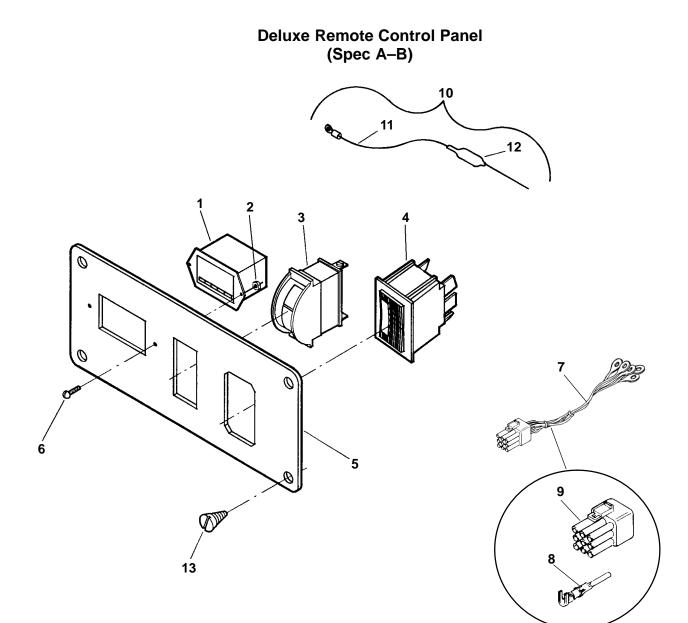
Basic Remote Control Panel (Spec A–B)





REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300–3469	1	Kit, Basic Remote Panel
1	319–0491	1	Panel, Control (Does Not Include Decals)
	98–5945	1	Decal, Rear Panel
	98–5948	1	Decal, Front Panel
2	308–0827		Switch, Rocker (12V)
3	808–0023	4	Screw, Round Head Sheet Metal (#8 x 1/2")

REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION
4	338–2362–02	1	Harness, Remote Panel (Reaches From Extension Harness to Remote Panel) (Includes Pins and Plug)
5	323–1199	AR	Pin, Contact
6	323–1291	1	Plug (9 Pin)

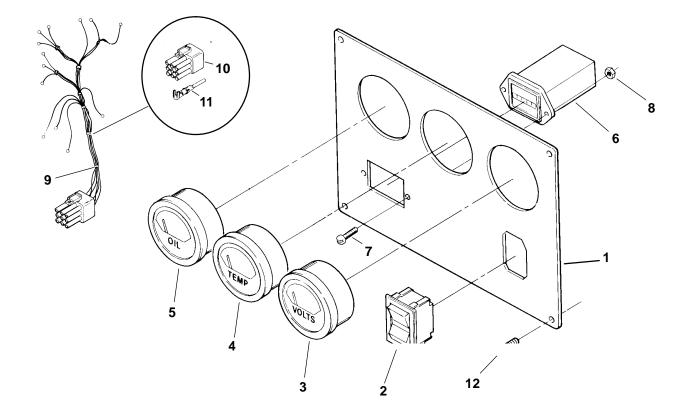


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300–3470	1	Kit, Remote Panel
1	302–0885	1	*Meter, Time Totalizing
2	870–0183	2	*Nut, Hex (#6–32)
3	302-0888	1	*Meter, Battery Condition
4	308–0827		*Switch, Rocker 12V
5	319–0492	1	*Panel, Remote (Does Not
			Include Decals)
	98–5944	1	Decal, Rear Panel
	98–5947	1	Decal, Front Panel
6	815–0385	2	*Screw, Round Head Machine
			(#6–32 x 1/2")
7	338-2362-01	1	*Harness, Remote Panel
			(Reaches From Extension
			Harness to Remote Panel)
			(Includes Pins and Plug)

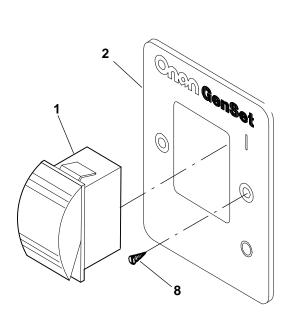
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	323–1199	AR	Pin, Contact
9	323–1291	1	Plug (9 Pin)
10	359–0034	1	*Diode and Lead Assy
			(Includes Parts Marked +)
11	226–1132	1	+Lead Assy
12	359–0042	1	+Diode, Zener
13	808–0023	4	Screw, Round Head Sheet
			Metal (#8 x 1/2")

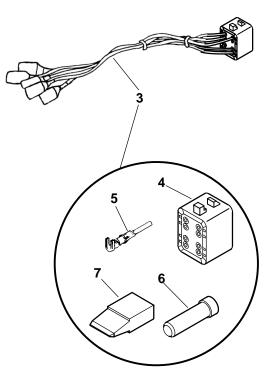
* - Parts Included in Remote Control Panel Kit.
+ - Parts Included in Diode & Lead Assy.

Remote Guage Control Panel (Spec A–B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300–4261 319–0141	1 1	+Kit, Remote Meter Panel Panel, Remote (Without Decals)	9	338–2222–02	1	Harness, Remote Panel (Reaches From Extension Harness to Remote Panel)
	98–5803	1	Decal, Front				(Includes Housing and Pins)
	98–5761	1	Decal, Rear	10	323–1291	1	Housing, Connector (P4)
2	308–0827	1	Switch, Rocker SPDT (S11)	11	323–1199	7	Pin, Contact
3	302–1641	1	Meter, Voltage	12	808-0023	4	Screw, Round Head Sheet
4	193–0351	1	Gauge, Coolant Temperature (Includes Mounting Hardware) (M13)				Metal (#8 x 1/2")
5	193–0352	1	Gauge, Oil Pressure (M12) (Includes Mounting Hardware)	+ -	Water Flange	Page an	Temperature Sender (Found on d Oil Pressure Sender (Found on
6	302–0885	1	Meter, Time Totalizing (M11)		Gearcase Pa	ge)	
7	815–0385	2	Screw, Round Head Machine (#6–32 x 1/2")				
8	870–0183	2	Nut, ET Hex (#6–32)				

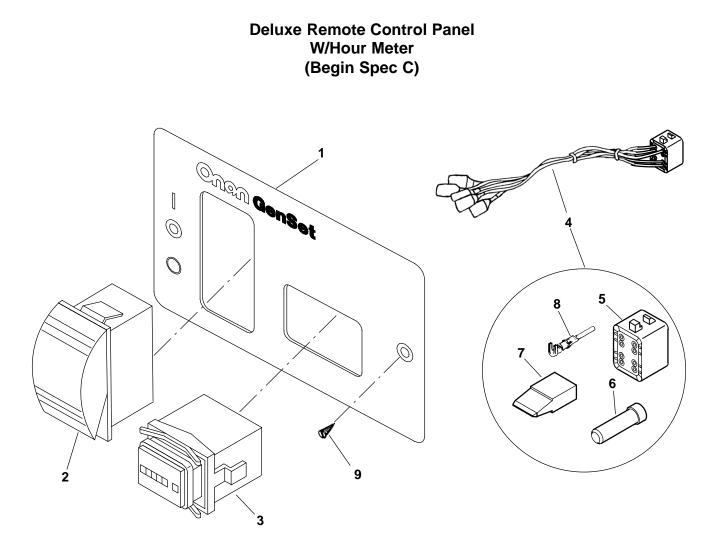




REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4990-01	1	Kit, Basic Panel
1	308-1062	1	Switch, Rocker (S11)
2	319–2339–02	1	Panel, Remote (Includes Printing)
3	338–3598	1	Harness, Remote Panel (Reaches From Extension Harness to Remote Panel) (Includes Parts Marked *)

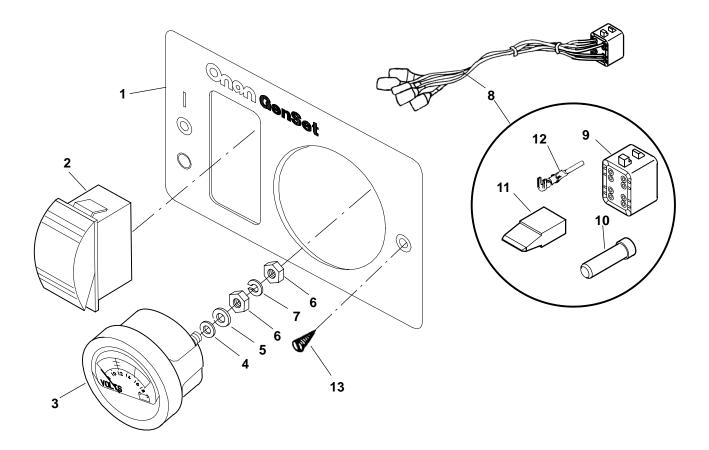
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	323–1541	1	*Plug (8 Pin) (J4)
5	323–1492	5	*Pin, Contact
6	323–1591	3	*Plug, Seal
7	323–1543	1	*Wedge, Plug (8 Pin)
8	815–0910	2	Screw, Wood (#6 x 1)

* - Parts Included in Remote Panel Harness.



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4991-01	1	Kit, Deluxe Panel	5	323–1541	1	*Plug (8 Pin) (J4)
1	319-2340-04	1	Panel, Remote Printed	6	323–1591	3	*Plug, Connector
2	308–1062	1	Switch, Rocker (S11)	7	323–1543	1	*Wedge, Plug (8 Pin)
3	302-2002	1	Meter, Hour (M11)	8	323–1492	5	*Pin, Contact
4	338–3599	1	Harness, Remote Panel9815–09102Screw, Wood ((Reaches From Extension Harness to Remote Panel) (Includes Parts Marked *)* - Parts Included in Remote Panel Wiring		Screw, Wood (#6 x 1) ote Panel Wiring Harness.		



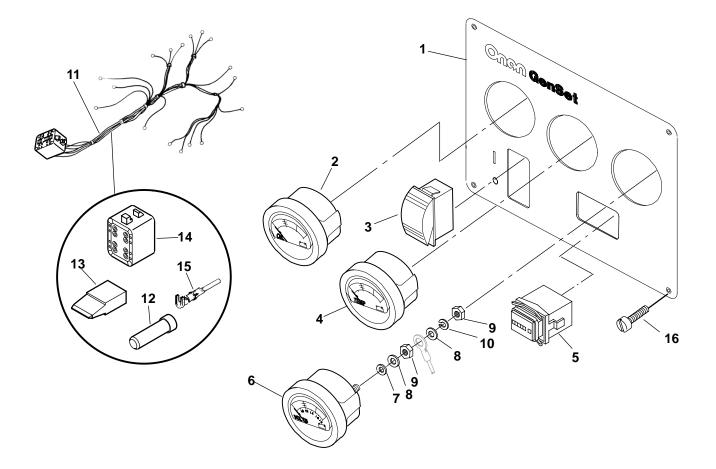


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2 3 4 5 6 7 8	300–4989–01 319–3132–01 308–1062 302–1641 526–0409 526–0049 871–0010 850–0030 338–3597	1 1 1 2 4 4 2 1	Kit, Remote Panel Panel, Remote Printed Switch, Rocker (S11) Meter, Volt (M14) (8–18V) Washer, Nylon Washer, Flat Nut, Hex Brass (10–32) Washer, Lock Harness, Remote Panel (Reaches From Extension Harness to Remote Panel)
			(Includes Parts Marked *)

REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION
11 12	323–1541 323–1591 323–1543 323–1492 815–0910	1 3 1 5 2	*Plug (8 Pin) (J4) *Plug, Connector *Wedge, Plug (8 Pin) *Pin, Contact Screw, Wood (#6 x 1)

* - Parts Included in Remote Panel Wiring Harness.

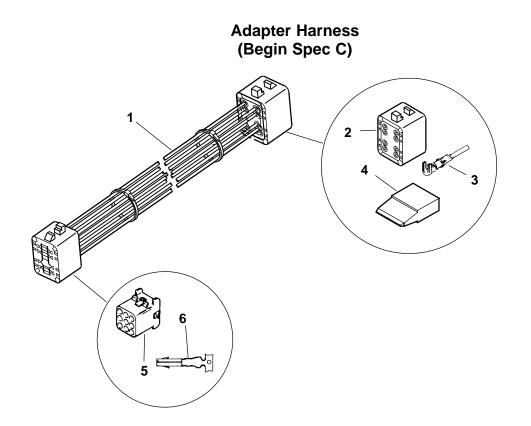
Remote Gauge Control Panel (Begin Spec C)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-5018-01	1	Kit, Remote Gauge Panel
1	319-3254-02	1	Panel, Remote
2	193–0352	1	Gauge, Oil Pressure (M12)
3	308-1062	1	Switch, Rocker (SPDT) (S11)
4	193–0351	1	Gauge, Water Temperature (M13)
5	302-2002	1	Meter, Running Time (M11)
6	302–1641	1	Meter, Volt (M14) (8–18V)
7	526-0409	8	Washer, Nylon (.194")
8	526-0049	16	Washer, Brass Flat (#10–32)
9	871–0010	16	Nut, Brass Hex (#10–32)
10	850-0030	8	Washer, Lock (#10)
11	338–3625	1	Harness, Remote Panel (Reaches From Extension Harness to Remote Panel) (Includes Parts Marked +)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	323–1591	1	+Plug, Seal
. —	323-1591	1	0,
	323-1543	1	+Wedge, Plug (8 Pin) +Plug (8 Pin) (P4)
	323-1341	7	+Contact, Socket
	808-0023	4	Screw, Pan Head Sheet Metal
10	000-0023	4	(#8 x .50)
			(#0 X .00)

+ - Parts Included in Remote Panel Harness.



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			*Harness, Adapter (Includes Parts Marked °)
	338–3695	1	Single Circuit for On/Off /Preheat
	338–3696	1	Two Circuits for On/Off and Preheat
2	323–1541	1	°Plug (9 Pin)
3	323–1492	AR	°Terminal, Socket

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	323–1543	1	°Wedge, Plug (8 Pin)
5	323–1325	1	°Cap, Connector
6	323-1200	AR	°Socket, Contact

* - See Accessory Manual for Application Description.
 * - Parts Included in Adapter Harness.

Labels, Gasket Kits

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98–6581–02	1	Label, AC Control – Front		185–5439	1	*Gasket, Bearing Case
	98-6582-02	1	Label, AC Control – Back				Cover
	98-6586-02	1	Label, Batt Neg		405 5400		*Gasket, Oil Pan
	98–7180–02	1	Label, Batt Pos		185–5493	1	MDKUB
	00 5404	•	Label, Coolant		185-6818	1	MDKWB
	98-5161	2	Housed		185-5495	1	*Gasket, Oil Drain
	98–5161	1	Unhoused		185–5411	1	*Gasket, Gearcase
	98-6577-02	1	Label, Control – DC		405 5500	4	*Gasket, Head Cover
	98–5347 98–5163	1 1	Label, Danger (High Voltage) Label, Fuel Line		185–5528 185–5807	1 1	MDKUB MDKWB
	90-0100	I	Label, Genset		105-5007	I	*Seal, Valve Stem
	98–6585–02	2	Housed		185–5348	4	MDKUB
	98-6585-02	1	Unhoused		185–5348	4 6	MDKWB
	98-6388-01	1	Label, Information – Phone		100-00+0	0	*Gasket, Cylinder Head
	98–6997	1	Label, Lifting Eye		185–5339	1	MDKUB
	98–6197	1	Label, Neutral		185–6120	1	MDKWB
	00 0101	•	Label, No Step		100 0120	·	*Seal, O'Ring
	98–4991	3	Housed		185–2285	4	MDKUB
	98–4991	1	Unhoused		185–2284	5	MDKWB
	98-5338	1	Label, No Step		185–5413	1	*Gasket, Oil Pump
	98–6996	3	Label, No Step		185–2284	4	*Seal, Oil
			Label, Oil Recommendations		185–5342	1	*Gasket, Speed Control Plate
	98–6574	1	MDKUB		185–5720	1	*Gasket, Water Flange
	98–6575	1	MDKWB		185–2238	1	*Gasket, Thermostat Cover
	98–6579–02	1	Label, Panel – Face		132–0342	1	*Gasket, Water Pump
	98–6580–02	1	Label, Panel – Back		132-0309	1	*O'Ring, Water Pump
	98–6995	2	Label, Warning				*Gasket, Exhaust Manifold
	98–6074–02	1	Label, Warning – Toxicity		154–2861	1	MDKUB
	98–5755	1	Label, Warning – Hazardous		154–2862	1	MDKWB
			Voltage/Backfeed		154–2876	1	*Gasket, Exhaust Elbow
			Label, Warning		185–2349	1	*Seal, Oil Fill Cap
	98-5082	1	Housed		185-2309	5	*Gasket, Oil Fill
	98-5082	2	Unhoused		185–5418	2	*Gasket, Injection Nozzle
	98–4730	1	Label, Warning		120-5661	1	*O'Ring
	98-0985	1	Sticker, Battery B+/B-		185-6009	1	*Seal Assy, Mach (Water Pump)
	98–1782	1	Sticker, Lifting Eye (Housed		185–2349 185–2374	1	*Seal, O'Ring (Oil Fill)
			Units)		185-2374	3 1	*Seal, Oil (Gearcase) *Seal, Oil (Gearcase)
	123–2136	1	Kit, Dipstick (Includes Following		185-3078	1	*Seal, Oil Pickup
	123-2130	I	Parts Marked #)		185–2347	1	
	123–2137	1	#Indicator, Oil Level		185-2095	1	*O'Ring, Governor *Seal, O'Ring
	123-2135-02		#Tube Assy		100 2000		*O'Ring, Injection Pump
	509-0348	1	#O'Ring		185–5643	2	MDKUB
	405–6311	1	#Cover, Access		185–5643	3	MDKWB
	123-2138-02		#Spacer, Oil Indicator		185–5641	2	*Gasket, Delivery Valve
	800-6038	1	#Screw, Hex Heac Cap		185–5820	1	Gasket, Injection Pump
			(M6 x 1 x 40mm)		185–5691	1	*O'Ring
	818-0194-01	5	#Rivet, Stainless Steel		185–5584	1	*O'Ring
	818-0194-02	11	#Rivet, Stainless Steel		185–5437	1	*Seal, Ŏil
	815–0439	1	#Screw, Hex Head Self Tapping		185–5744	1	*O'Ring
			(#8 x 1/2")		185–5743	1	*O'Ring
	098–7547	1	#Label, Oil Leverl		185–5410	1	*Seal, Front Oil
	526-0257	1	#Washer, Flat		185–5513	1	*Gasket, Hole Cover
	M–104	1	#Sheet, Instruction		185–5752	1	*Gasket, Hole Cover
					185–5646	4	*O'Ring
			Kit, Engine Overhaul Gasket (Includes Plarts Marked *)		185–5434	1	*Gasket, Water Pump
	168-0223	1	MDKUB	#	Parts Include	d in Dinat	ick Kit
	168-0224	1	MDKWB				ne Overhaul Gasket Kit.
	185–5438	1	*Gasket, Bearing Housing	_		a in Engli	ie Overhaul Gaskel Nil.

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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

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