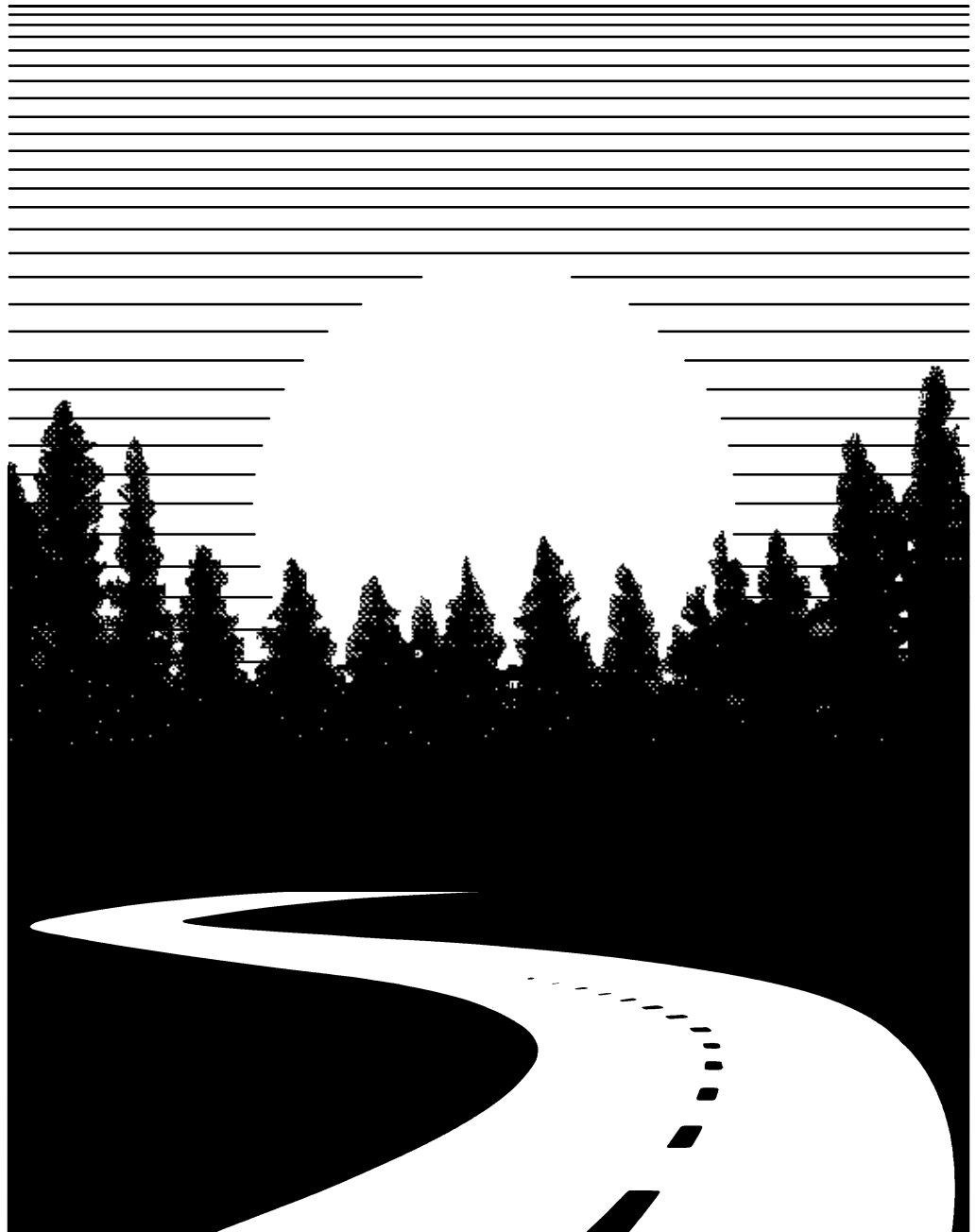


Onan

Genset Parts Catalog

KY



Printed in U.S.A.

981-0246B
6-99 (Spec A-J)
Replaces 7-98 (Spec A-H)

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.



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 INSTRUCTIONS 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 REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This parts manual applies to the KY Recreational Vehicle Sets as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is defined 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. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table					
MODEL AND SPECIFICATION	WATTS	VOLTS	HERTZ	FUEL	Wiring Diagram
3.3KY-FR/11544	3300	100	50	LPG Vapor	611-1264
3.3KY-FR/26119A-H	3300	230	50	LPG Vapor	611-1226
3.3KY-FR/26119J	3300	230	50	LPG Vapor	611-1268-05
3.3KY-FR/11543	3300	100/230	50	LP/Gasoline	611-1245-03
3.6KY-FA/11276	3600	120	60	LPG Vapor	611-1194
3.6KY-FA/26120A-H	3600	120	60	LPG Vapor	611-1194
3.6KY-FA/26120J	3600	120	60	LPG Vapor	611-1267
3.6KY-FR/11572A-H	3600	100	50	LPG Vapor	611-1263
3.6KY-FR/11572J	3600	100	50	LPG Vapor	611-1268-03
3.6KY-FR/33742A-E	3600	220	50	Gasoline	611-1212
3.6KY-FR/33742F-H	3600	230	50	Gasoline	611-1226
3.6KY-FR/33742J	3600	230	50	Gasoline	611-1268-05
4.0KY-FA/11580A-H	4000	100	50	LPG Vapor	611-1194
4.0KY-FA/11580J	4000	100	50	LPG Vapor	611-1267
4.0KY-FA/26100A	4000	120	60	Gasoline	611-1194
4.0KY-FA/26100B-F	4000	120	60	Gasoline	611-1225
4.0KY-FA/26100G-H	4000	120	60	Gasoline	611-1265
4.0KY-FA/26100J	4000	120	60	Gasoline	611-1267
4.0KY-FR/11320A-H	4000	120	60	Gasoline	611-1225
4.0KY-FR/11320J	4000	120	60	Gasoline	611-1267
4.0KY-FR/11429A-H	4000	100	60	Gasoline	611-1239
4.0KY-FR/11429J	4000	100	60	Gasoline	611-1268-03
4.0KY-FR/65697A-H	4000	100	60	Gasoline	611-1228
4.0KY-FR/65697J	4000	100	60	Gasoline	611-1268-04

* – 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 a standard model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.

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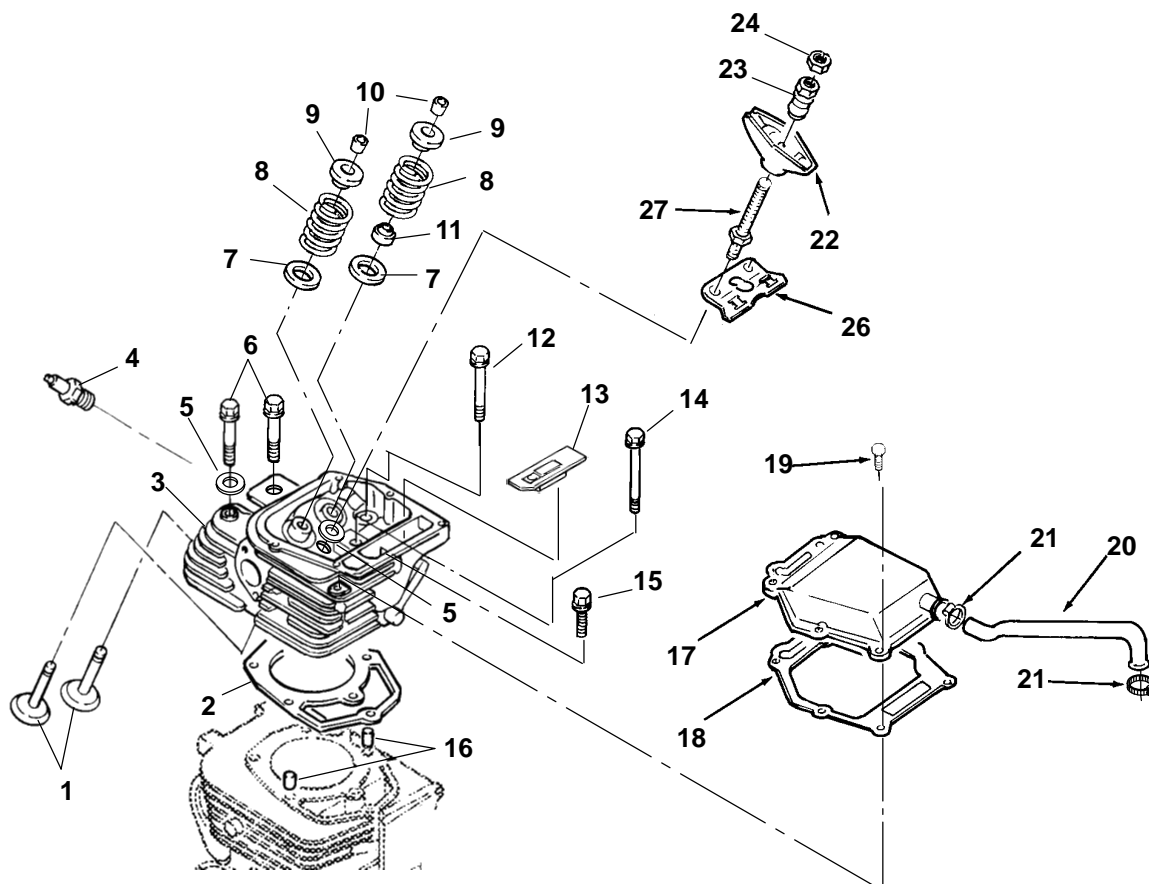
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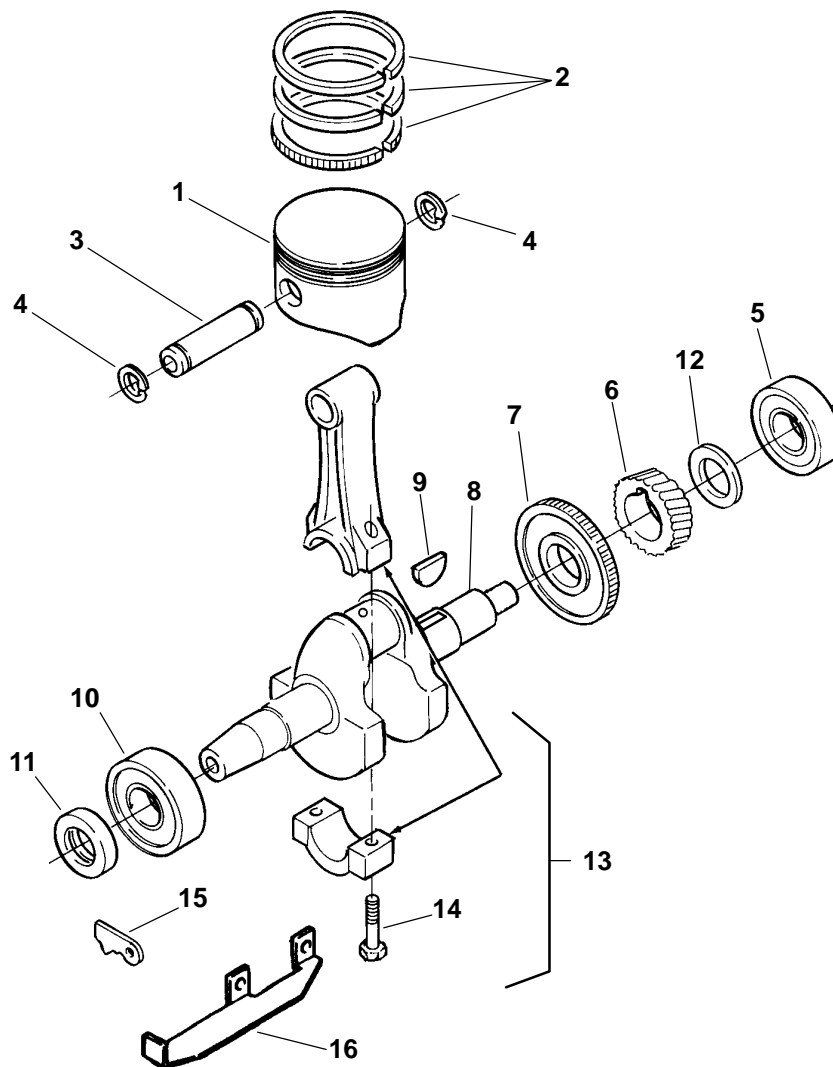
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Cylinder Head



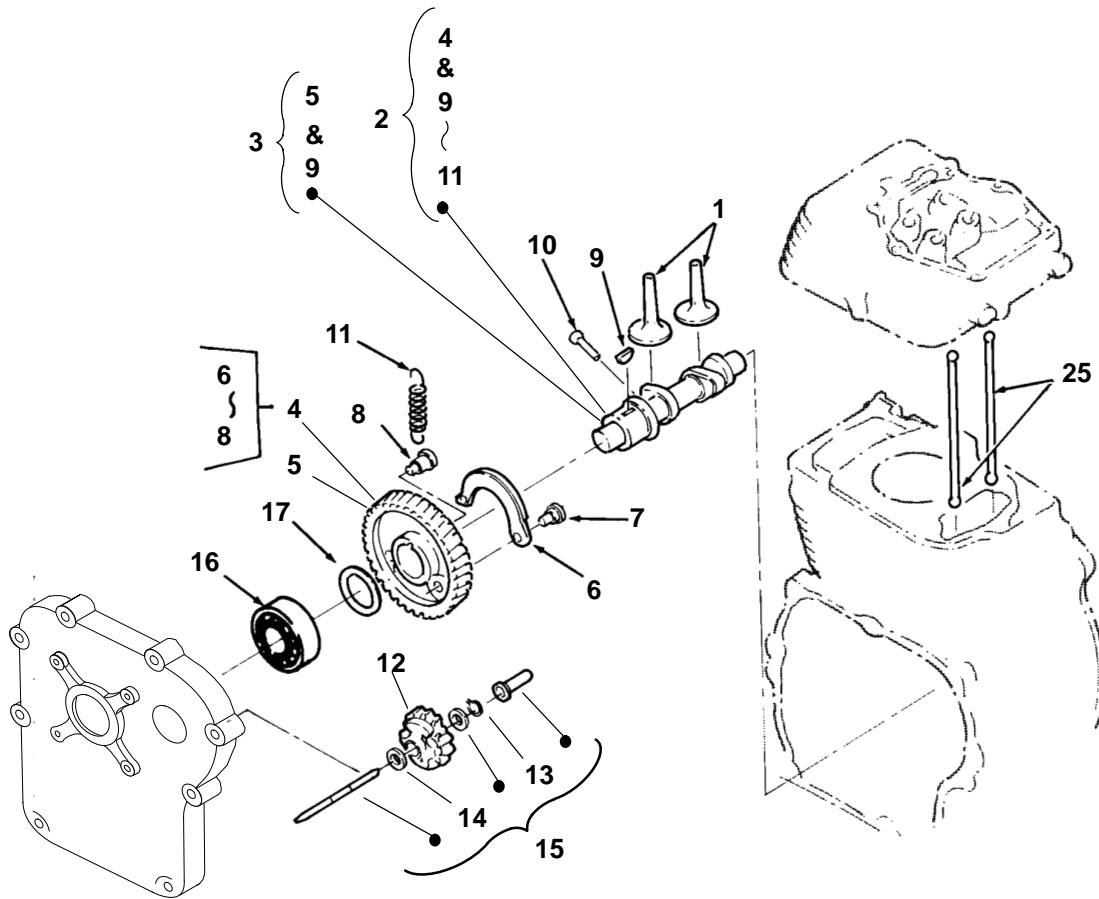
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Valve	13	123-1920	1	Valve, Breather
	110-3887	1	Intake	14	110-3751-00	1	Bolt, Cylinder Head (M8 x 1.25 x 85mm)
	110-3888	1	Exhaust	15	110-3751-01	1	Bolt, Cylinder Head (M8 x 1.25 x 48mm)
2	110-3749	1	Gasket, Cylinder Head	16	110-3615	2	Pin, Hollow Dowel
3	110-3741	1	Head, Cylinder (Includes Guides, Seats and Valve Guide Rings)	17	110-3743	1	Cover, Cylinder Head
	110-3580	2	Rings, Valve Guide	18	110-3861	1	Gasket, Cylinder Head
4			Plug, Spark	19	800-3026	7	Screw, Hex Flange Head (M6 x 1 x 25mm)
	167-0275	1	60Hz	20	123-1917	1	Tube, Breather
	167-0305	1	50Hz	21	503-1851	2	Clamp, Hose
5	740-1008	2	Washer, Flat (M10)	22	115-0465	2	Arm, Rocker
6	110-3750	2	Bolt, Cylinder Head (M10 x 1.25 x 66mm)	23	115-0464	2	Nut, Rocker Arm Adjusting
7	110-3698	2	Washer, Valve Spring	24	115-0496	2	Nut, Lock Adjusting
8	110-3701	2	Spring, Valve	25	115-0471	2	Rod, Push
9	110-3700	2	Retainer, Valve Spring	26	115-0472	1	Guide, Push Rod
10	110-3699	2	Lock, Valve Spring	27	115-0497	2	Stud, Rocker Arm
11	110-3586	1	Seal, Valve Stem				
12	110-3750-03	2	Bolt, Flange (M10 x 1.5 x 115mm)				

Crankshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	112-0291	1	Piston (Includes Pin & Clip)	11	509-0325	1	Seal, Oil
	185-6828	1	Standard	12			Shim (Use As Required)
	185-6826	1	0.25 Oversize		104-1721-01	3	0.20mm
2			Ring Set, Piston		104-1721-02	3	0.30mm
	113-0353	1	Standard		104-1721-03	3	0.40mm
	185-6829	1	0.25 Oversize		104-1721-05	3	0.50mm
	185-6827	1	0.50 Oversize		104-1721-07	3	0.60mm
3	185-2843	1	Pin, Piston		104-1721-08	3	0.70mm
4	112-0255	2	Clip, Piston Pin	13			Rod Assy, Connecting
5	510-0160	1	Bearing, Gearcase End		114-0373	1	(Includes Bolt)
6	104-1901	1	Gear, Crankshaft		No Replacement	1	Standard
7	104-1899	1	Gear, Balancer		No Replacement	1	0.25 Undersize
8	104-1780	1	Crankshaft				0.50 Undersize
9	515-0293	1	Key, Woodruff	14	114-0367	2	Bolt, Connecting Rod
10	510-0161	1	Bearing, Block End	15	120-1264	1	Plate, Oil Shield
				16	114-0366	1	Dipper, Oil

Camshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	115-0463	2	Tappet
2	105-0682	1	Camshaft Assy (Spec A-D) (Includes Parts Marked +)
3	105-0682-01	1	Camshaft (Begin Spec E) (Includes Parts Marked °)
4	105-0681	1	+ Gear Assy, Camshaft (Spec A-D) (Includes Flyweight, Flyweight Shaft and Pin)
5	105-0731	1	° Gear, Camshaft (Begin Spec E)
6	150-2464	1	Flyweight
7	150-2302	1	Shaft, Flyweight
8	150-2305	1	Pin, Decompression Spring
9	515-0305	1	° + Key, Woodruff
10	150-2465	1	+ Pin, Decompression
11	150-2466	1	+ Spring, Decompression
12	150-2604	1	Gear, Governor
13	526-2077	1	* Washer, Flat
14	526-2078	1	* Washer, Flat

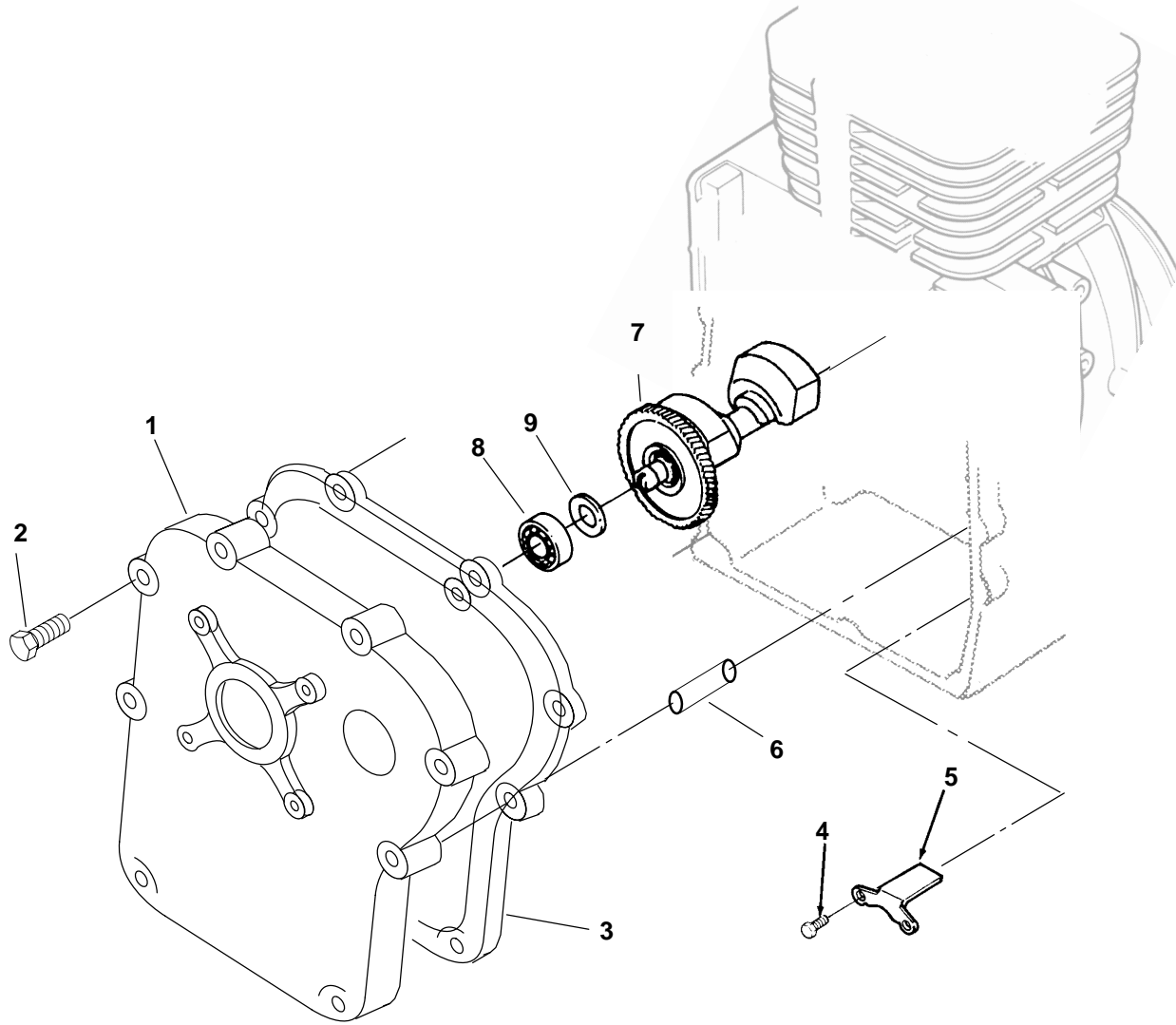
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
15	541-0508	1	Sleeve Kit, Governor (Includes Washers Marked *, Governor Stop, Governor Sleeve and Governor Shaft)
16	510-0163	1	Bearing, Ball
17			Shim (Use As Required)
	104-1896-01	3	.50mm
	104-1896-02	3	.60mm
	104-1896-03	3	.70mm
	104-1896-04	3	.80mm
	104-1896-05	3	.90mm
	104-1896-06	3	1.00mm
	104-1896-07	3	1.20mm

+ - Parts Included in Camshaft Assy (Spec A-D)

° - Parts Included in Camshaft Assy (Begin Spec E)

* - Washers Included in Governor Sleeve Kit.

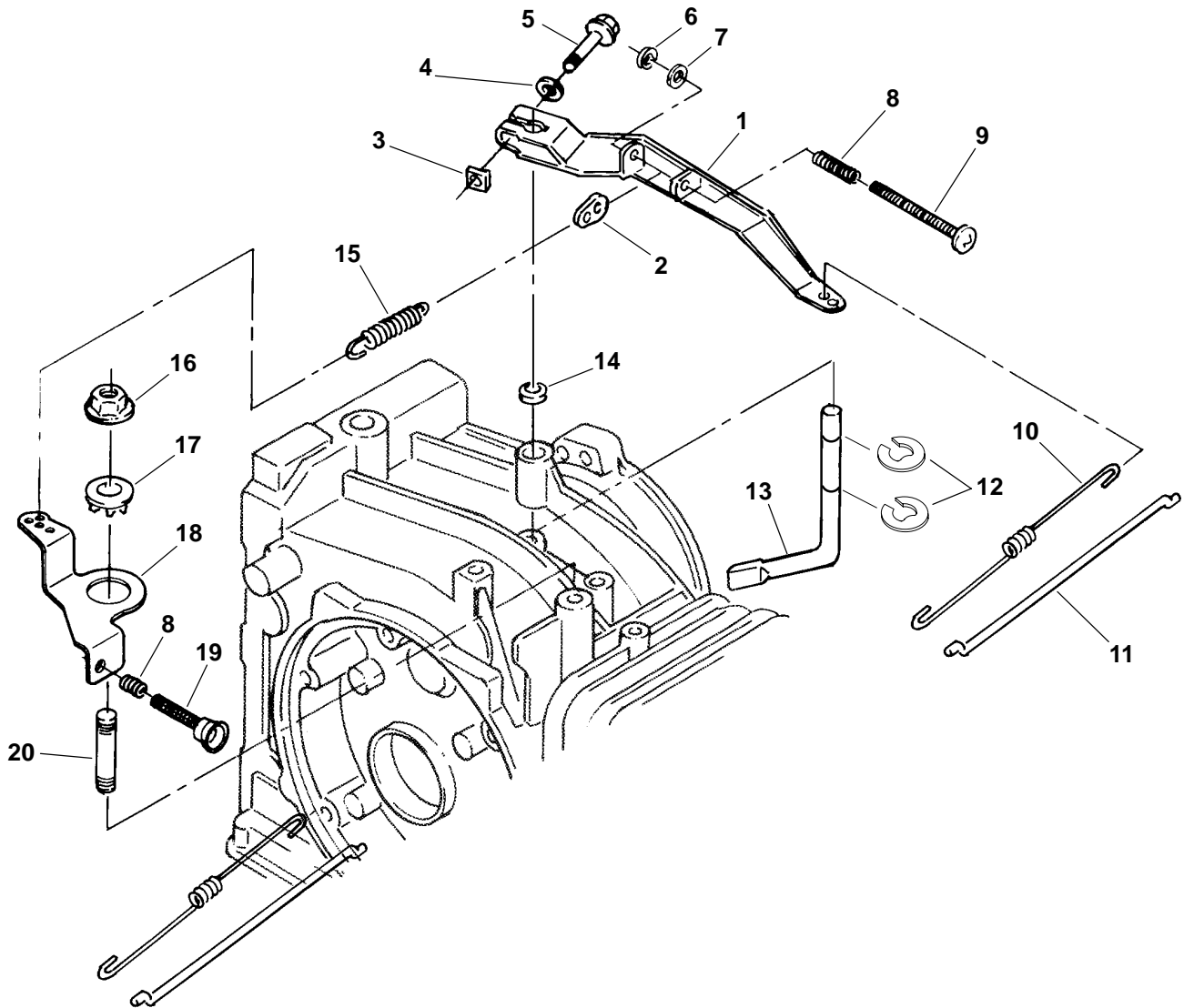
Crankcase Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	101-0787	1	Cover, Crankcase
2	815-0781	9	Bolt, Crankcase Cover (M8 x 1.25 x 30mm)
3	101-0788	1	Gasket, Crankcase
4	102-1421	2	Screw, Hex Head Cap (Spec A-F)
5	102-1419	1	Plate, Oil Level (Spec A-F)
6	775-0074	2	Pin, Parallel
7	104-1792	1	Shaft, Balancer (Includes Shaft and Gear)

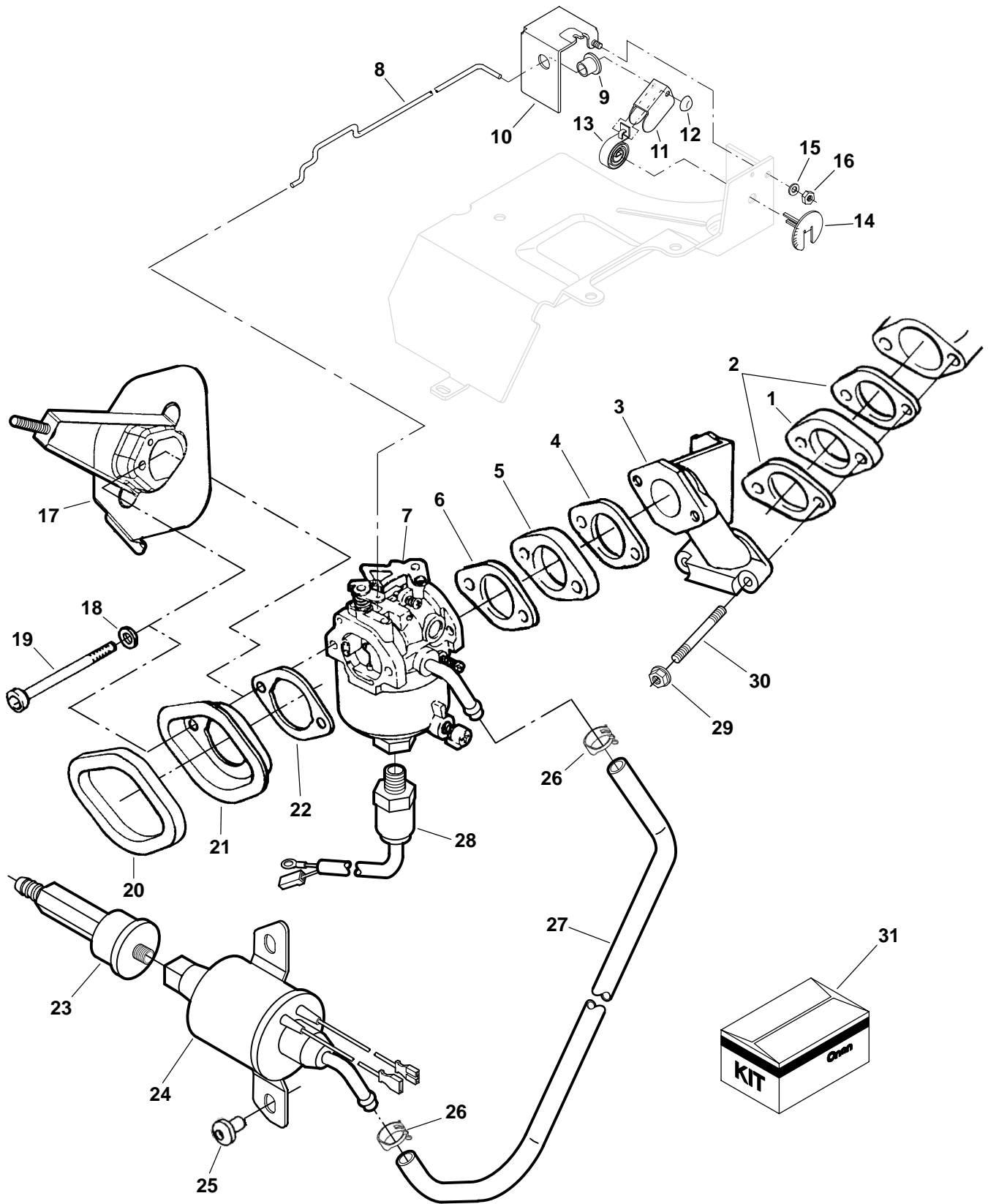
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	510-0163	1	Bearing, Ball
9			Shim, Balancer (Use as Required)
	104-1896-01	3	0.50mm
	104-1896-02	3	0.60mm
	104-1896-03	3	0.70mm
	104-1896-04	3	0.80mm
	104-1896-05	3	0.90mm
	104-1896-06	3	1.00mm
	104-1896-07	3	1.20mm

Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2393	1	Lever, Governor	11	150-2392	1	Rod, Governor
2	150-2396	1	Holder, Governor Spring	12	518-0576	2	Clip, Retainer
3	870-0465	1	Nut, Square (M8 x 1.25mm)	13	150-2401	1	Shaft, Governor Lever
4	526-0122	1	Washer, Flat (5/16")	14	150-2448	1	Seal, Oil
5	718-1039	1	Screw, Hex Head Cap (M8 x 1.25 x 35mm)	15	150-2390	1	Spring, Governor
6	518-0617	1	Clip, Retainer	16	870-2159	1	Nut, Flanged (M8 x 1.25)
7	740-1002	1	Washer, Flat (M5)	17	150-2398	1	Pivot, Speed Adjusting
8	150-2394	2	Spring, Adjusting Screw	18	150-2549-02	1	Lever, Governor Control
9	150-2395	1	Screw, Special	19	150-2514	1	Screw, Governor Adjust
10	150-2391	1	Spring, Governor Rod	20	520-2215	1	Stud, Control Lever Mounting

Carburetor Gasoline

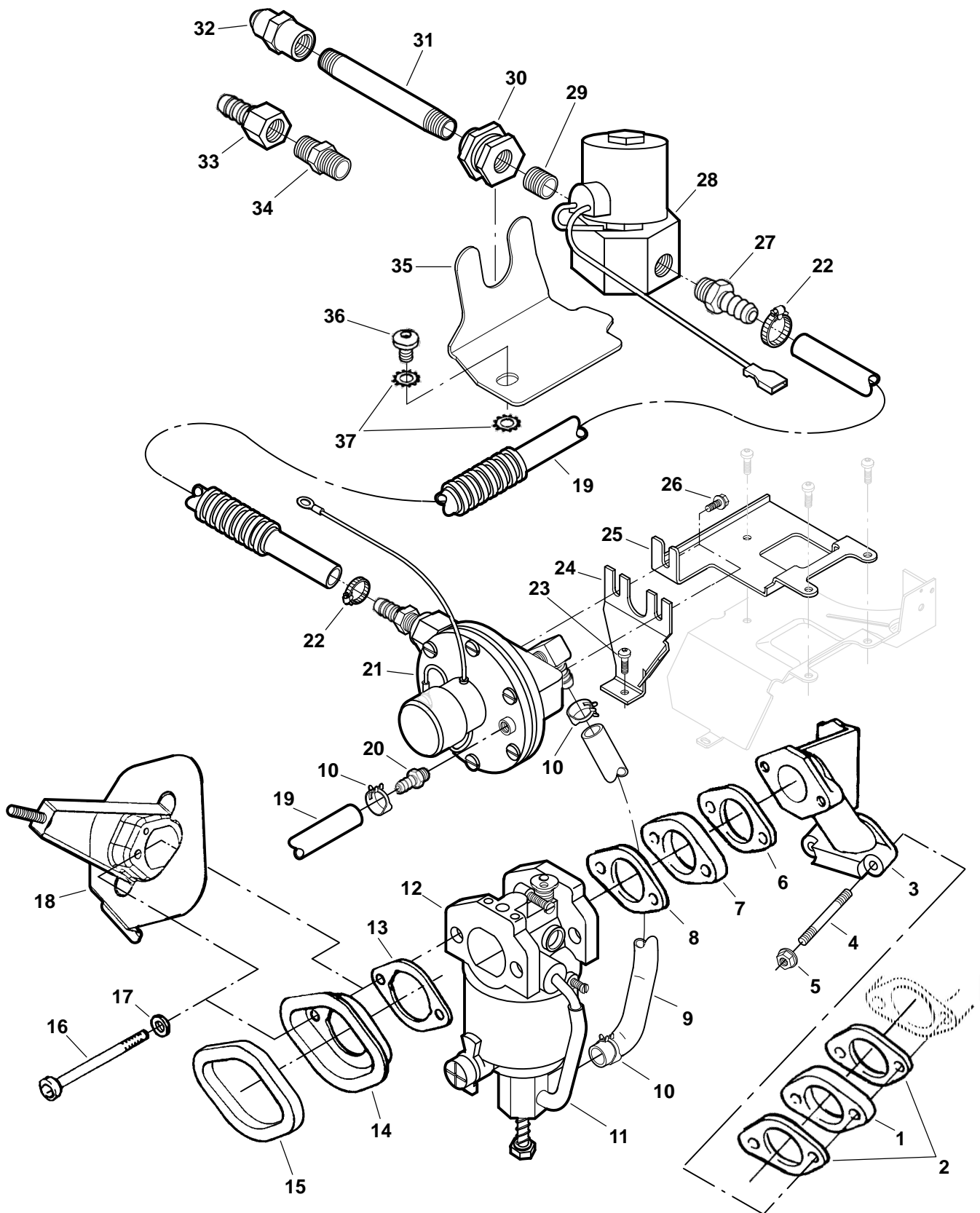


Carburetor Gasoline

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	146-0530	1	Insulator	23	149-2457	1	Filter, Fuel
2	154-2821	2	Gasket, Intake Manifold	24	149-2311-02	1	Pump, Fuel (Electric) (E2)
3	154-2815	1	Manifold, Intake	25	823-1002-03	1	Screw, Pan Head Torx (M6 x 1 x 10mm)
4	146-0531	1	•Gasket, Manifold Insulator	26	503-0731	2	Clamp, Hose (.47")
5	146-0532	1	+ Insulator	27		1	Hose, Fuel
6	146-0533	1	•Gasket, Carburetor		503-1759	1	Spec A (460mm)
7			◇ Carburetor		503-1912-01	1	Begin Spec B (546mm)
	146-0759	1	Spec A (Includes Gaskets Marked •, Parts Marked * and Carburetor 146-0534)	28	146-0615	1	Solenoid, Fuel Cutoff (B-H) (E3)
			Spec B-C	29	870-2159	2	Nut, Flanged (M8 x 1.25mm)
	146-0614	1	NonEmissions	30	154-2818	2	Stud
	146-0743	1	Emissions Conversion Kit (Includes Gaskets Marked • and Parts Marked ~) (Converts to Emissions Carburetor 146-0741 introduced for Spec D)	31			Kit, Repair
					146-0651	1	Carburetor (Spec A-C) (For use with Carburetors 146-0534 and 146-0614) (Includes Gaskets Marked •, Parts Marked ^, Float, Gaskets, Float Valve, Float Pin and Main Limiter Cap)
	146-0742	1	Begin Spec D (Includes Gaskets Marked •) (Uses Emissions Carburetor 146-0741)		146-0758	1	Carburetor (Begin Spec B) (For use with Carburetor 146-0741) (Includes Gaskets Marked •, Parts Marked +, Float, Float Pin, Float Valve and Gaskets)
8	153-0639	1	Linkage, Choke				Solenoid (Spec B, C) (Use with Carburetor 146-0614 (Includes Solenoid Valve Assy, Gaskets and Solenoid Holder)
9	232-3720	1	Bearing, Flange				
10	153-0638-01	1	Housing, Choke				
11	153-0659	1	Cover, Choke Element		146-0646	1	
12	517-0305	1	Cap, Dome				
13	153-0640	1	Element, Choke Thermostat				
14			Cover, Choke				
	153-0637-01	1	Spec A				
	153-0651-02	1	Begin Spec B				
15	526-0003	1	Washer, Flat (#8)				
16	860-2005	1	Nut, Hex (M4 x .7mm)				
17			Adapter, Air Cleaner				
	145-0687-02	1	Spec B, C				
	145-0705-02	1	~ Begin Spec D				
18	740-1004	2	Washer, Flat (M6)				
19	800-2046	2	Screw, Hex Head Cap (M6 x 1 x 80mm)				
20			Gasket, Carburetor Flange				
	145-0617	1	* Spec A				
	145-0695	1	~ Begin Spec B				
21	145-0625	1	Adapter, Air Cleaner (Spec A)				
22			Gasket, Air Cleaner Adapter				
	140-2586	1	*^ Spec A-D				
	140-2771-01	1	+~ Begin Spec E				

- – Gaskets Included with Carburetors and Repair Kits.
- ◇ – Carburetor Part Numbers are embossed on the Carburetor.
- * – Parts Included with Carburetor (Spec A)
- ~ – Parts Included with Emissions Carburetor Conversion Kit (Spec B-C)
- ^ – Parts Included with Carburetor Repair Kit (Spec A-C)
- + – Parts Included in Carburetor Repair Kit (Begin Spec B)

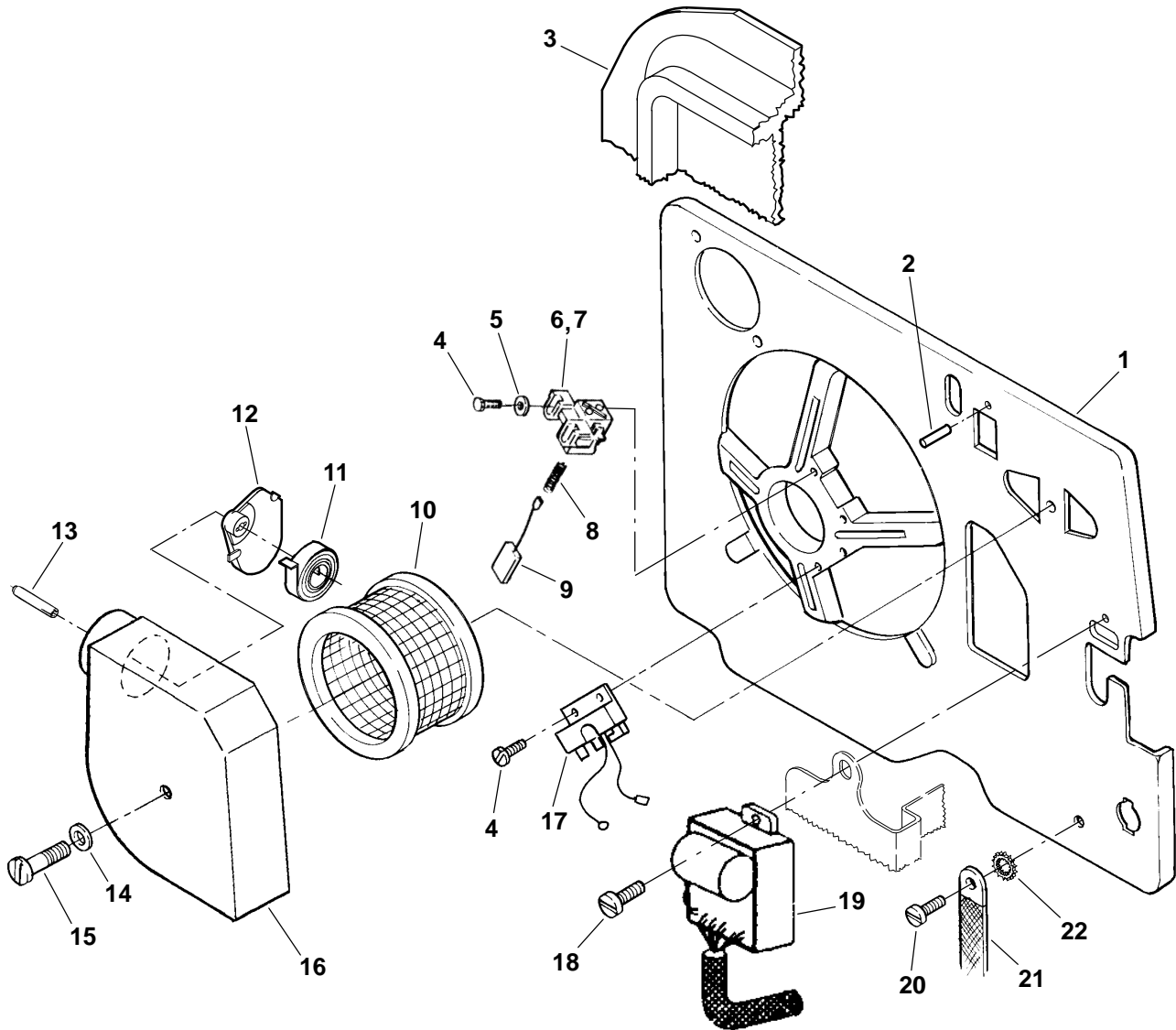
Carburetor LP



Carburetor LP

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	146-0530	1	Insulator	21			Regulator (K2)
2	154-2821	2	Gasket, Intake Manifold		148-0987	1	Spec A-D (Includes Inlet Fitting)
3	154-2815	1	Manifold, Intake		148-1013	1	Begin Spec E (Includes Fittings: Inlet, Outlet, Vent)
4	154-2818	2	Stud				
5	870-2159	2	Nut, Flanged (M8 x 1.25mm)	22	503-1851	2	Clamp, Hose
6	146-0531	1	Gasket, Manifold Insulator	23	823-0003-01	1	Screw, Torx Pan Head Thread Forming (M6 x 10mm)
7	146-0532	1	Insulator				
8	146-0533	1	Gasket, Carburetor	24	307-2831-02	1	Stiffener, Bracket
9	503-2006	1	Hose, Fuel (5.63" Lg) (.375 ID x .75 OD)	25	148-0985-02	1	Bracket, Regulator
10	503-2094	3	Clamp, Hose	26	821-0001	2	Screw, Flange Lock Hex (#10-32 x 3/8")
11	503-1418	1	Hose, Fuel				
12			Carburetor	27	502-1162	1	Fitting, Barbed Hose
	146-0602	1	Spec A-D	28	307-2501	1	Valve Assy, Fuel (E3)
	146-0722	1	Begin Spec E (Includes Mounting Gaskets)	29	502-0047	1	Nipple, Close
13			Gasket, Air Cleaner Adapter	30	502-1133	1	Coupling, Anchor
	140-2586	1	Spec A-D	31	149-2523-01	1	Line, Inlet Fuel (Begin Spec B) (75 LG x 1/4-18 NPT)
	140-2771-01	1	Begin Spec E				
14	145-0625	1	Adapter, Air Cleaner (Spec A)	32	502-1214	1	Connector, Female (1/4-18 NPT) (Begin Spec B and Spec 11276A)
15			Gasket, Carburetor Flange				
	145-0617	1	Spec A	33	502-1200	1	Fitting, Barbed Hose (Spec A Except Spec 11276A)
	145-0695	1	Begin Spec B				
16	800-2046	2	Screw, Hex Head Cap (M6 x 1 x 80mm)	34			Nipple
17	740-1004	2	Washer, Flat (M6)		502-1201	1	Spec A (Except 11276A)
18			Adapter, Air Cleaner		505-0071	1	Spec 11276A
	145-0687-02	1	Spec B-D	35			Bracket, Solenoid
	145-0705-02	1	Begin Spec E		307-2795-02	1	Spec A
19	503-2015	2	Hose, Fuel (40") (.375 ID x .75 OD)		307-2824-02	1	Begin Spec B
20	502-0395	1	Connector, Hose (Spec A-D) (1/8 NPT x 1/4" ID) (Beginning Spec E, Hose Connector Supplied with Regulator)	36	823-1002-03	1	Screw, Torx Pan Head (M6 x 1 x 10mm)
				37	856-0006	2	Washer, EIT Lock Torx (M6)

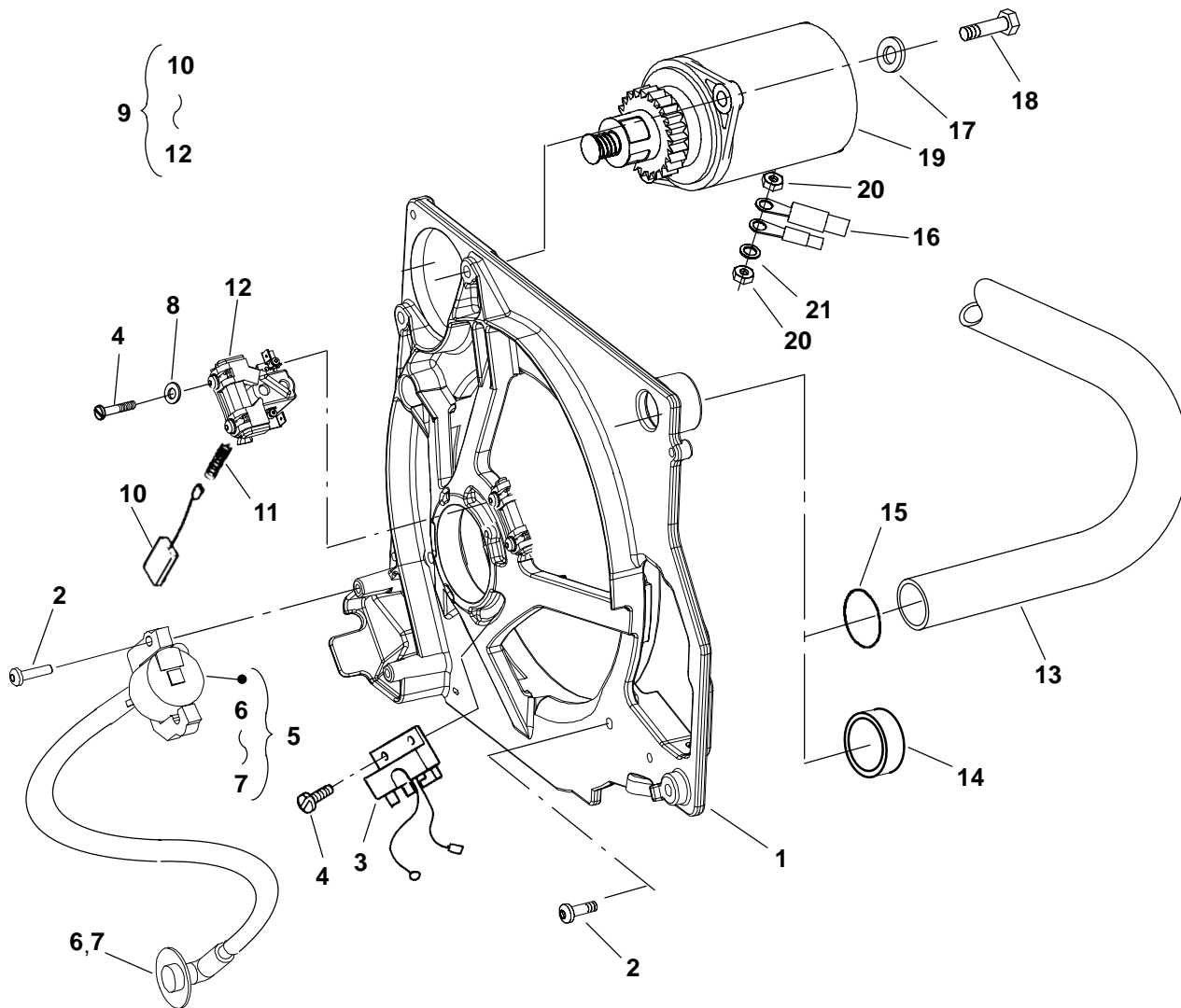
Endbell (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	211-0437	1	Endbell
2	516-0151	1	Pin, Roll
3	509-0274-02	1	Seal, Endbell
4	823-0002-04	4	Screw, Pan Head Torx (M4 x .7 x 12mm)
5	526-0003	2	Washer, Flat (#8)
6	212-1283	1	Block Assy, Brush (Includes Brush, Spring and Block)
7	212-1282	1	Block, Brush
8	212-1276-03	2	Spring, Generator Brush
9	214-0103	2	Brush, Generator
10	140-2609	1	Element, Air Cleaner
11	153-0641	1	Element, Thermostat Preheat
12	145-0561	1	Cover, Air Filter Thermostat
13	145-0615	1	Rod, Air Inlet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
14	526-0018	1	Washer, Flat (1/4)
15	800-0017	1	Screw, Hex Head Cap (1/4-20 x 3-1/2")
16	140-2576	1	Cover, Air Cleaner
17	160-1358	1	Magneto
18	823-0003-04	1	Screw, Torx Pan Head (M6 x 1 x 25mm)
19			Regulator, Voltage (VR1)
	305-0851	1	60 Hz
	305-0866	1	50 Hz
20	823-0007-01	1	Screw, Pan Head (M8 x 1.25 x 20mm)
21	337-2560	1	Strap, Bond
22	856-0008	1	Washer, EIT Lock (5/16")

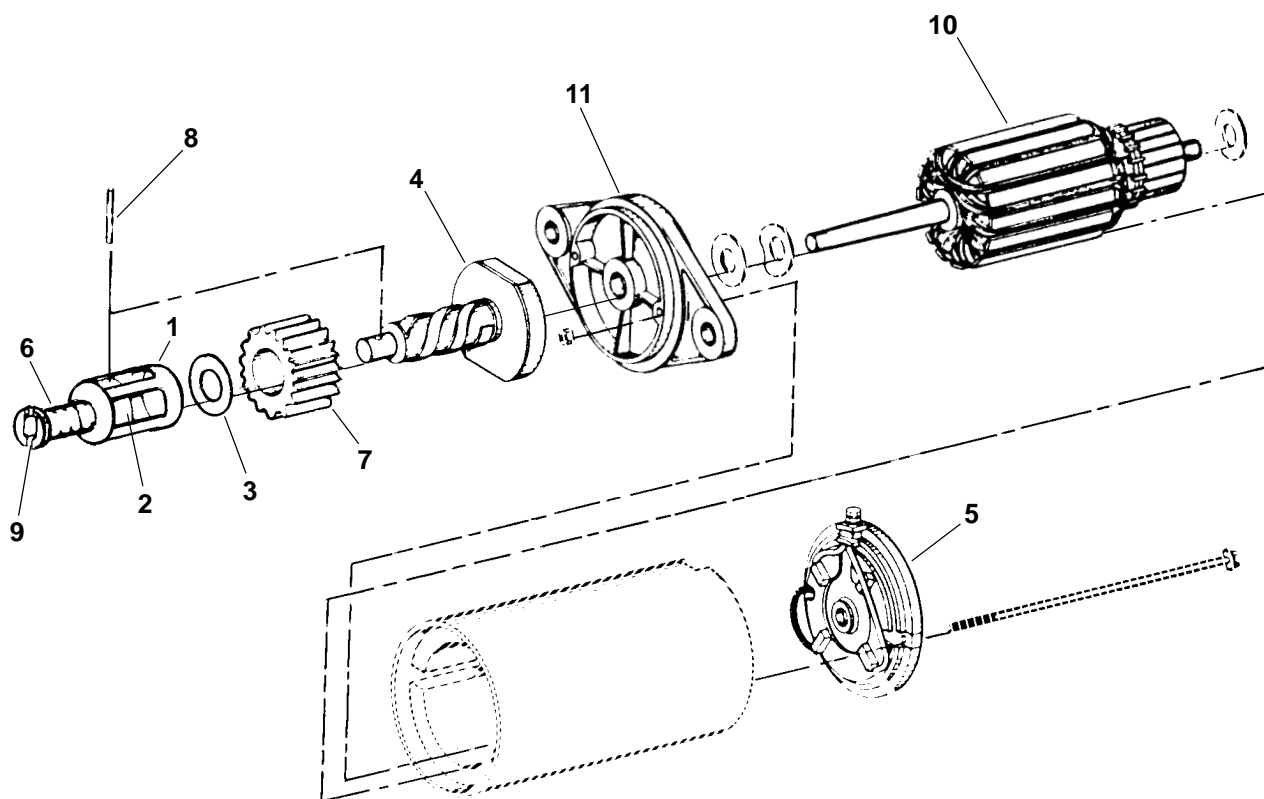
Endbell (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	211-0460	1	Endbell Spec B-H	11	212-1276-03	2	Spring, Generator Brush
	211-0497	1	Begin Spec J (Includes Parts Marked *)	12	212-1282	1	Block, Brush
2			Screw, Pan Head Torx Thread Forming (M6 x 25mm)	13	503-1351	1	Hose, Preheat (Gasoline Units)
	823-0003-04	4	Spec G-H	14	517-0103	1	Plug (LP Units)
	823-0003-04	6	Beginning Spec J	15	509-0313	1	O'Ring (Gasoline Units) (Spec B-H)
3	160-1358	1	Magneto (G2) (Spec B-H)	16			Cable, Starter
4			Screw, Pan Head (M4 x 12mm)		226-4297	1	Spec B-H
	823-0002-04	4	Spec B-H		226-4795	1	Begin Spec J
	823-0002-04	2	* Begin Spec J	17	740-1006	2	Washer, Flat (M8) (Spec A-H)
5	166-0866	1	Coil Ignition (Begin Spec J) Includes Boot and Terminal)	18	815-0781	2	Screw, Hex Head Cap (M8 x 1.25 x 30mm)
6	167-0267	1	Terminal, Spark Plug	19	191-1798	1	Starter (See Separate Page for Components)
7	167-1627	1	Boot, Spark Plug	20	862-0001	2	Nut, Hex
8	526-0003	2	*Washer, Flat (3/16")	21	850-0040	1	Washer, Lock-Spring (1/4")
9	212-1283	1	*Block Assy, Brush (Includes Brush, Spring and Block)				
10	214-0103	2	Brush, Generator				

* - Parts Included with Endbell Beginning Spec J.

Starter Components

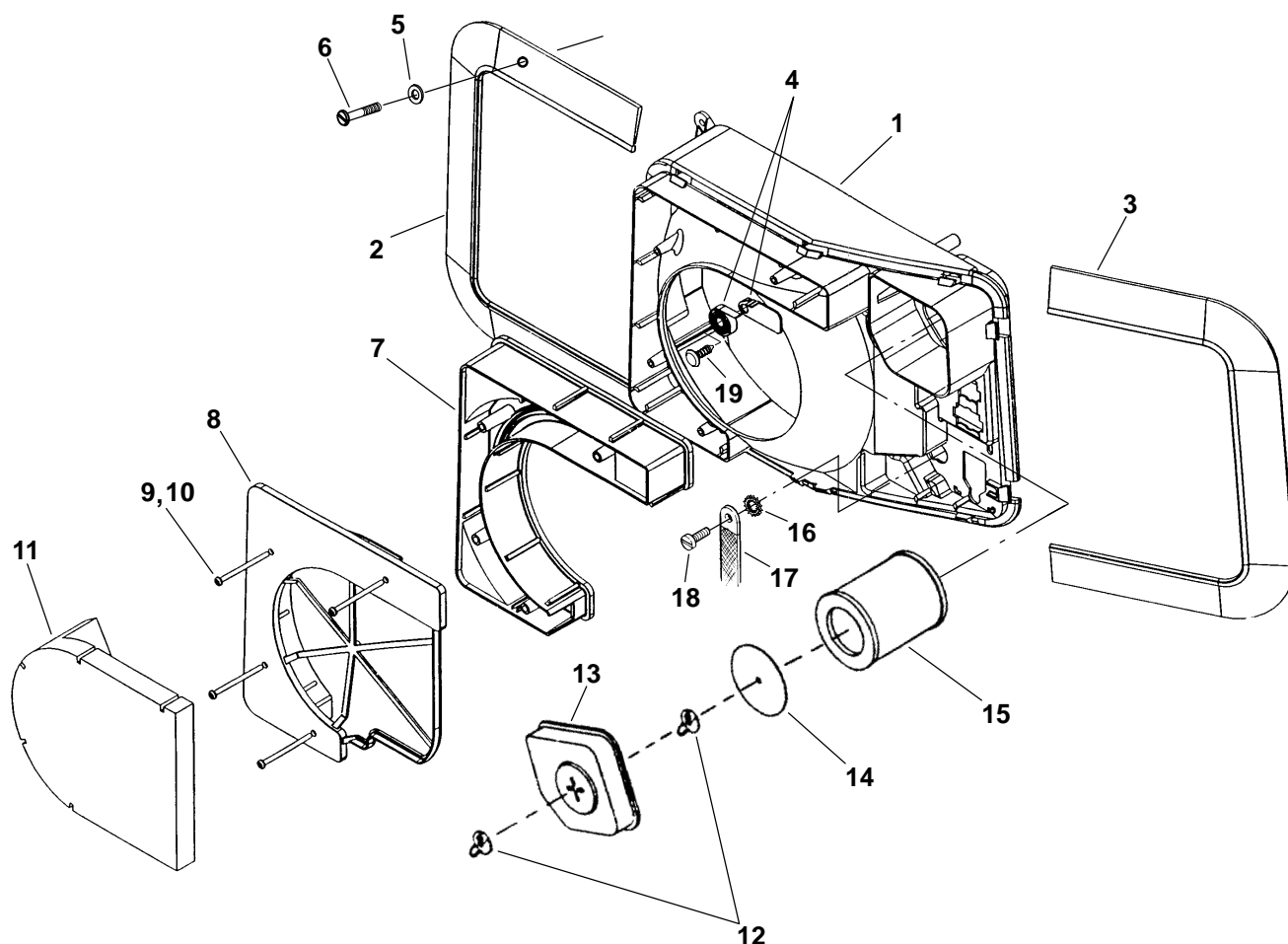


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1798	1	Starter, Complete (B1)
1	191-1863	1	*Cover, Spring
2	191-1864	1	*Retainer, Clutch
3	191-1865	1	*Washer
4	191-1866	1	*Clutch and Spline
5	191-1867	1	Cap, End (Includes Brushes)
6	191-1870	1	*Spring, Pinion
7	191-1868	1	*Gear, Starter
8	191-1869	1	*Pin, Spiral Roll

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	191-1821	1	*Retainer, Spring
10	191-2155	1	Armature
11	191-2156	1	Commutator Cap
12	191-2157	1	Drive Kit (Includes Parts Marked *)

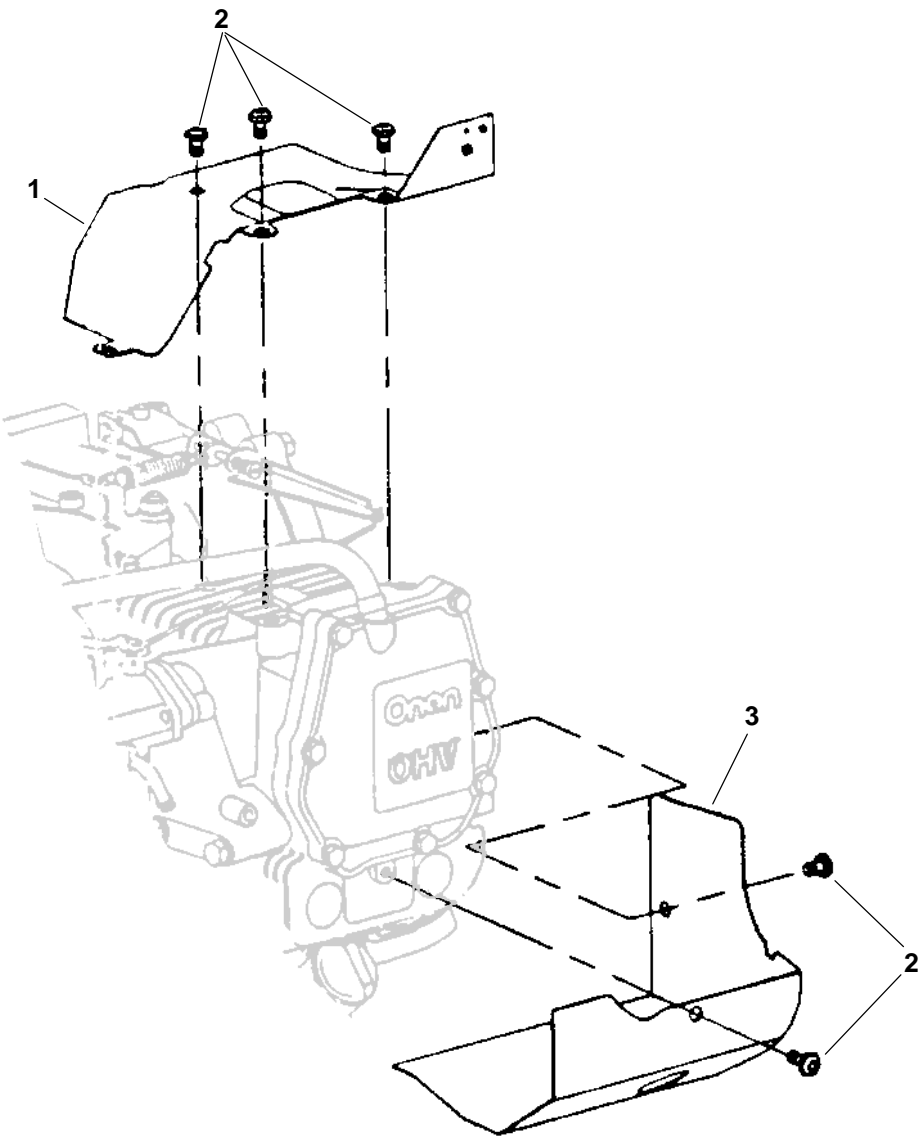
* – Parts Included in Drive Kit.

Air Housing (Begin Spec B)



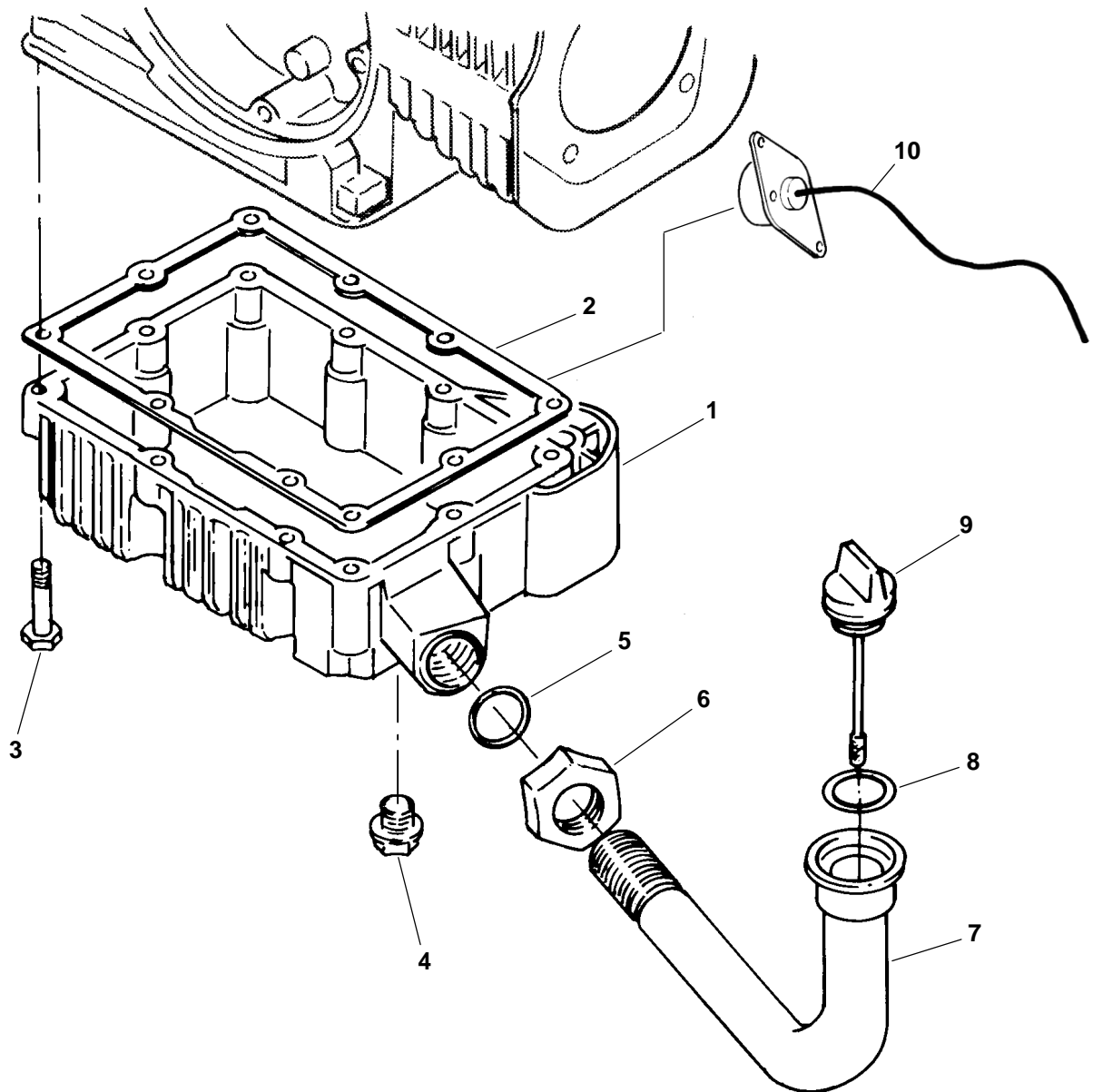
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTIONr
1			Housing, Air	10	526-0012	4	Washer, Flat (#10)
	134-5029	1	Spec B-H	11	405-4896	1	Insulation, Inlet
	134-5213	1	Begin Spec J	12	865-0029	2	Nut, Wing
2	509-0305	1	Seal, Air (Left)	13	140-2820-01	1	Cover, Air Cleaner
3	509-0308	1	Seal, Air (Right)	14	145-0696-01	1	Plate, Air Filter
4	140-2855	1	Preheat Assy (Gasoline Units Only)	15	140-2852	1	Element, Air Cleaner
5	526-0018	4	Washer, Flat (1/4")	16	856-0008	1	Washer, EIT Lock (5/16")
6	823-0003-03	4	Screw, Torx Pan Head Thread Forming (M6 x 1 x 20mm)	17			Strap, Bond
					337-2312	1	Spec B-H
					337-3467	1	Begin Spec J
7	134-5031	1	Resonator, Intake	18	823-0007-02	1	Screw, Pan Head Thread Forming (M8 x 1.25 x 25mm)
8	134-5032	1	Cover, Resonator	19	518-0649	1	Clip, Push-On (Gasoline Units)
9	815-0838-02	4	Screw, Torx Pan Head Thread Forming				

Air Cylinder



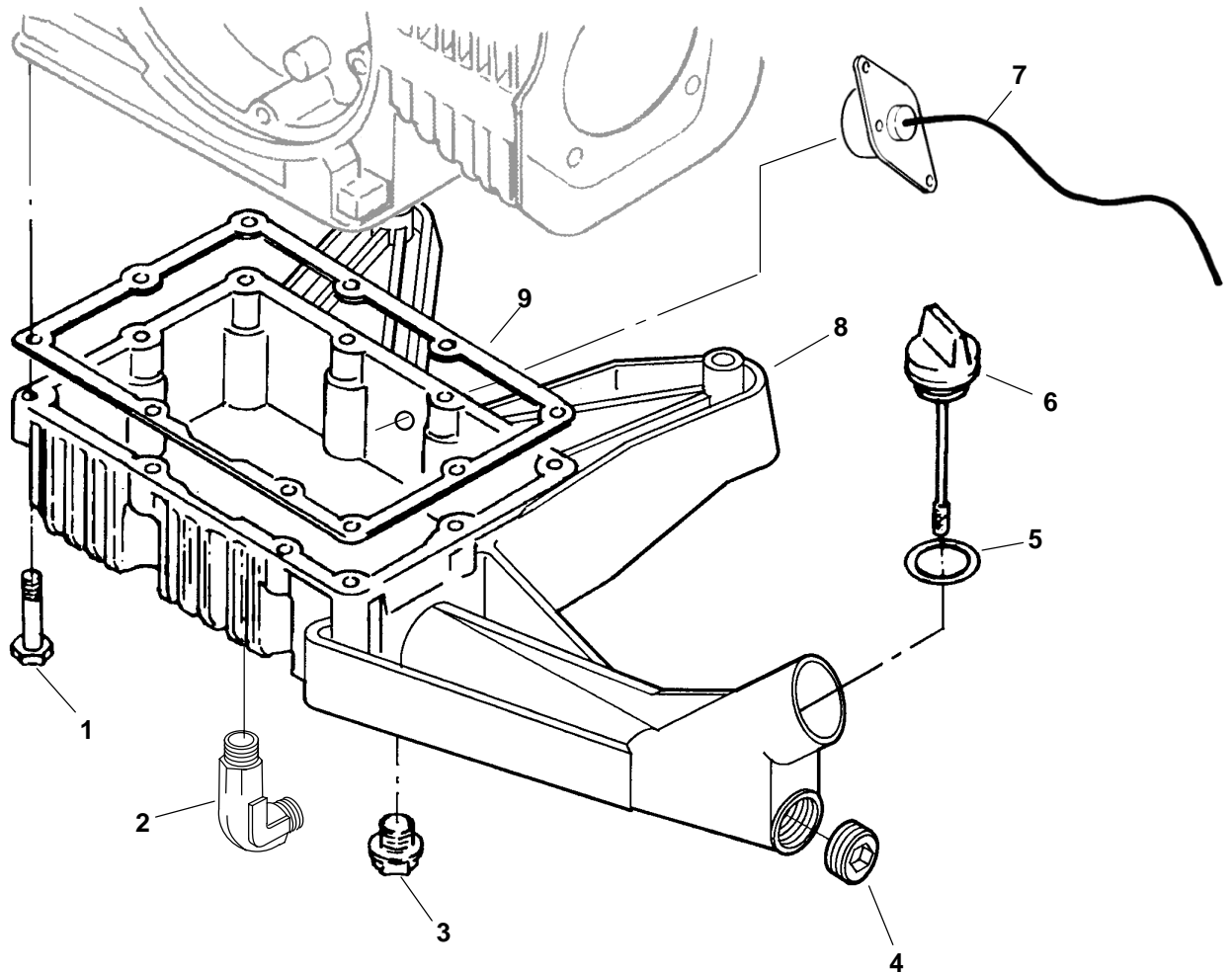
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4919-01	1	Cover, Air Cylinder
2	823-0003-01	5	Screw, Torx Pan Head Thread Forming (M6 x 1 x 10mm)
3			Wrapper, Air Cylinder
	134-5119	1	Spec A
	134-4921-01	1	Begin Spec B

Oil Base (Spec A)



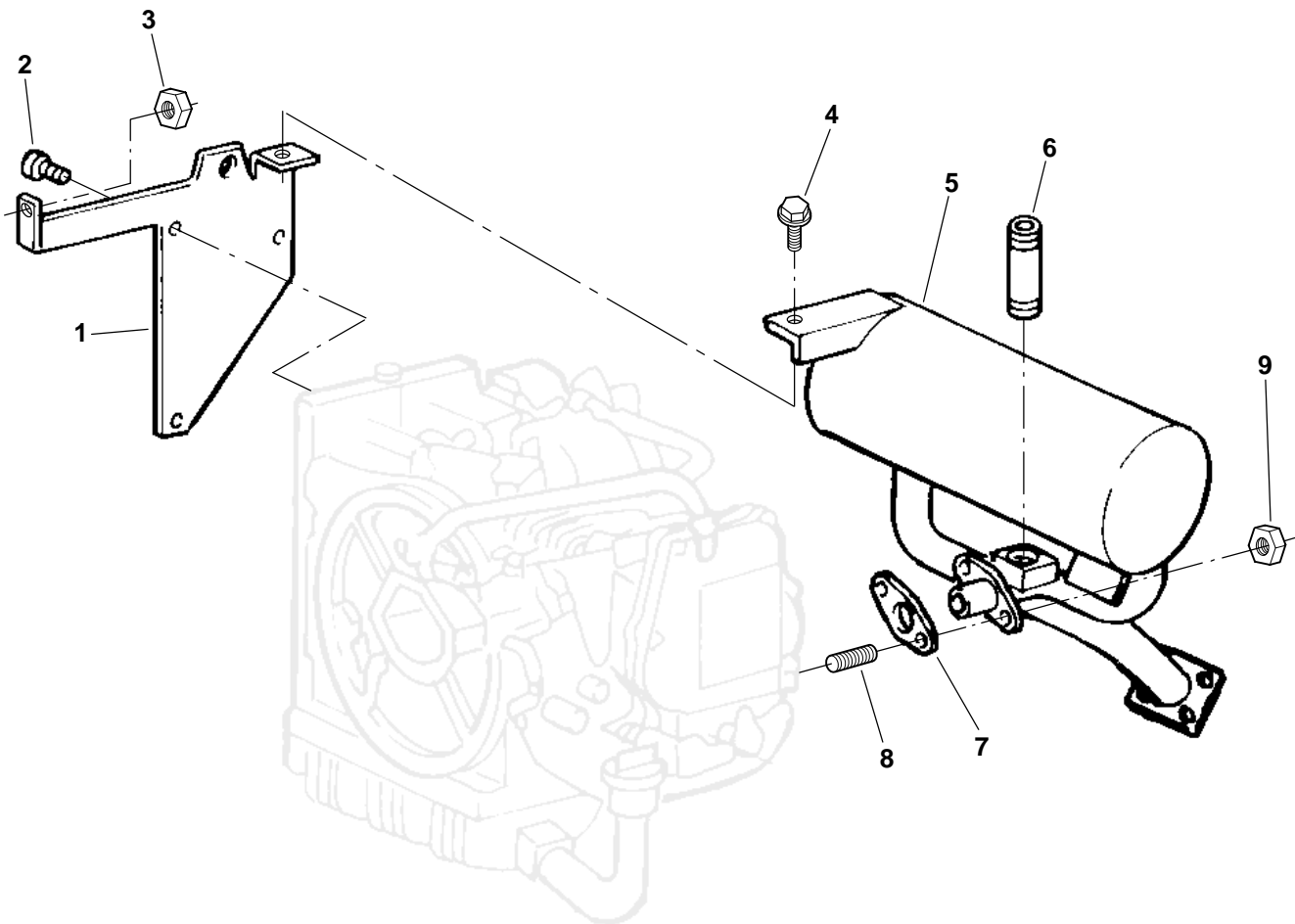
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1411	1	Base, Oil	6	868-0013	1	Nut, Jam (7/8-14)
2	102-1412	1	Gasket, Oil Base	7	123-1944-01	1	Tube, Oil Fill
3	815-0780	10	Screw, Hex Washer Head (M8 x 1.25 x 35mm)	8	509-0142	1	O'Ring
4	502-0153	1	Plug, Hex Head Drain (1/4")	9	123-1953	1	Indicator, Oil (Includes O'Ring)
5	509-0282-02	1	O'Ring	10	308-1059	1	Switch, Oil Level (S2) (Spec A)

Oil Base (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0780	10	Screw, Hex Head Cap (M8 x 1.25 x 35mm)	6	123-2015	1	Indicator, Oil (Includes O'Ring)
2	502-0806	1	Elbow, Male (Spec 11320)	7	308-1059	1	Switch, Oil Level (S2) (Spec B-F)
3	502-0153	1	Plug, Drain (3/4-14 NPT)	8	102-1444	1	Base, Oil
4	505-1492-02	1	Plug, Drain	9	102-1412	1	Gasket, Oil Base
5	509-0307	1	O'Ring				

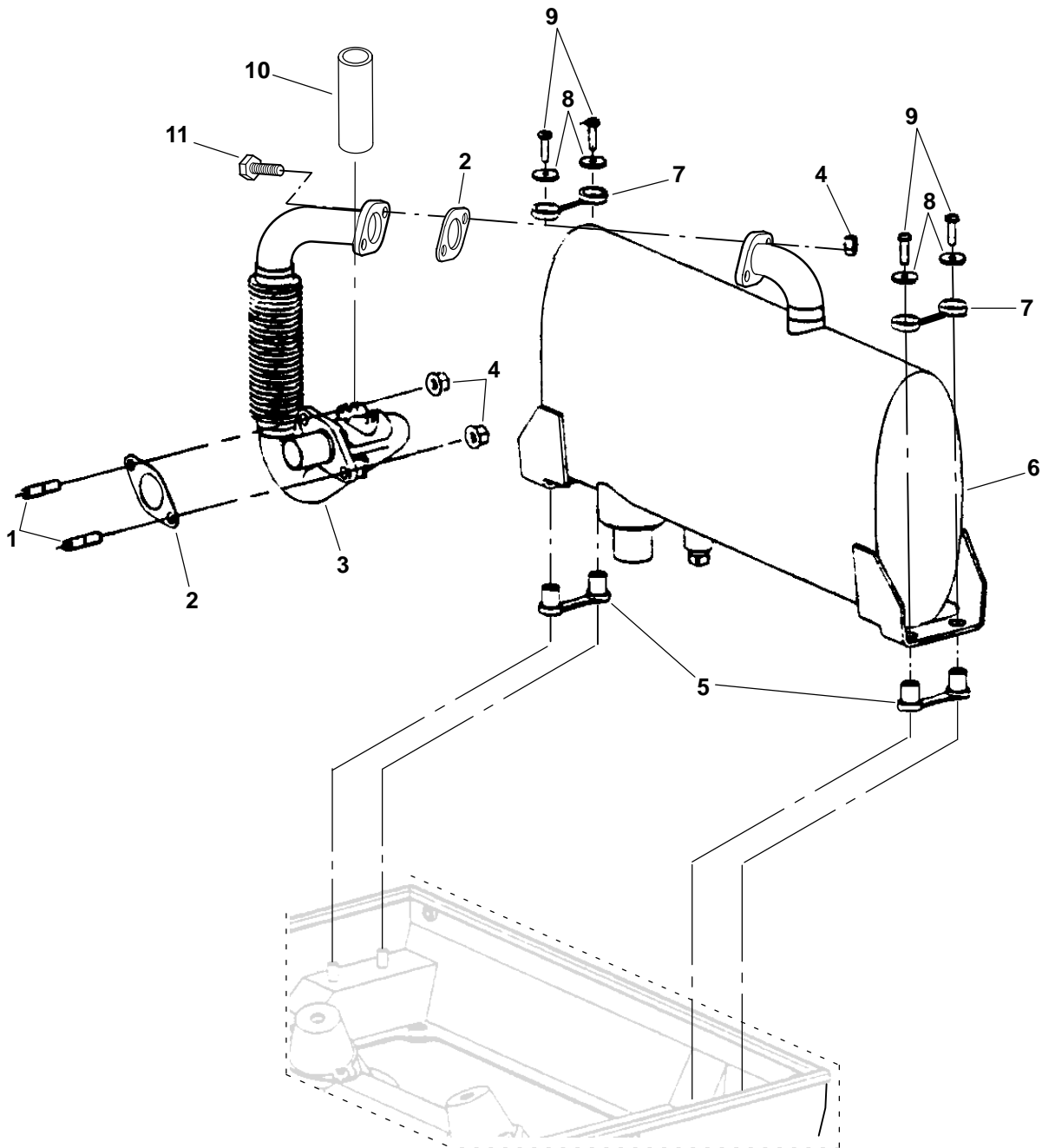
Exhaust (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2683-02	1	Bracket, Muffer
2	823-0007-01	2	Screw, Torx Pan Head (M8 x 1.25 x 20mm)
3	870-0236	1	Nut, Hex (#10-32)
4	821-2046	1	Screw, Locking Flange (M8 x 1.25 x 20mm)

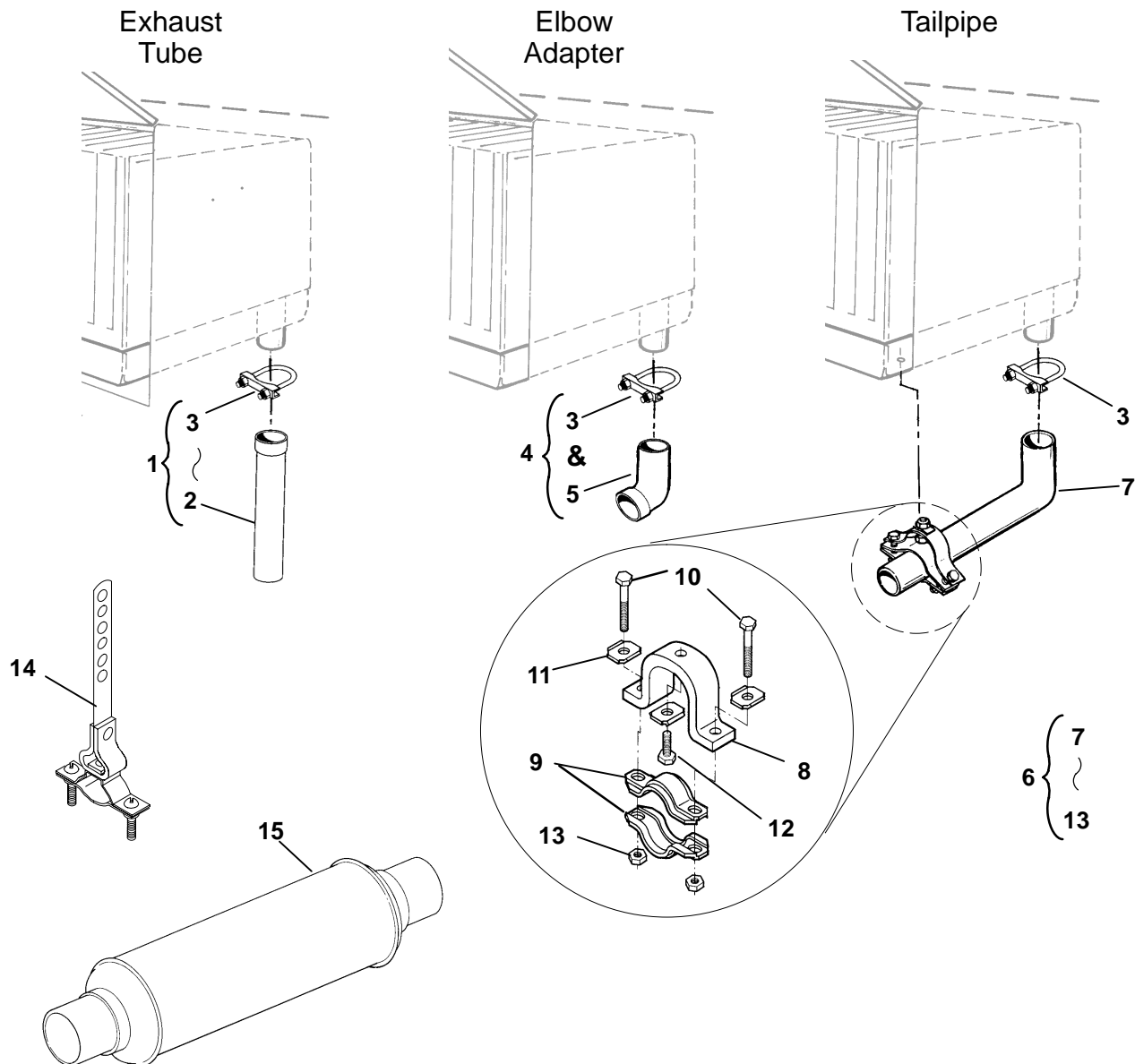
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	155-2678	1	Muffer
6	503-1533	1	Hose, Preheat (Gasoline)
7	154-2816	1	Gasket, Exhaust
8	520-2216	2	Stud, Exhaust
9	870-2055	2	Nut, Locking Flange Hex (M8 1.25)

Exhaust (Begin Spec B)



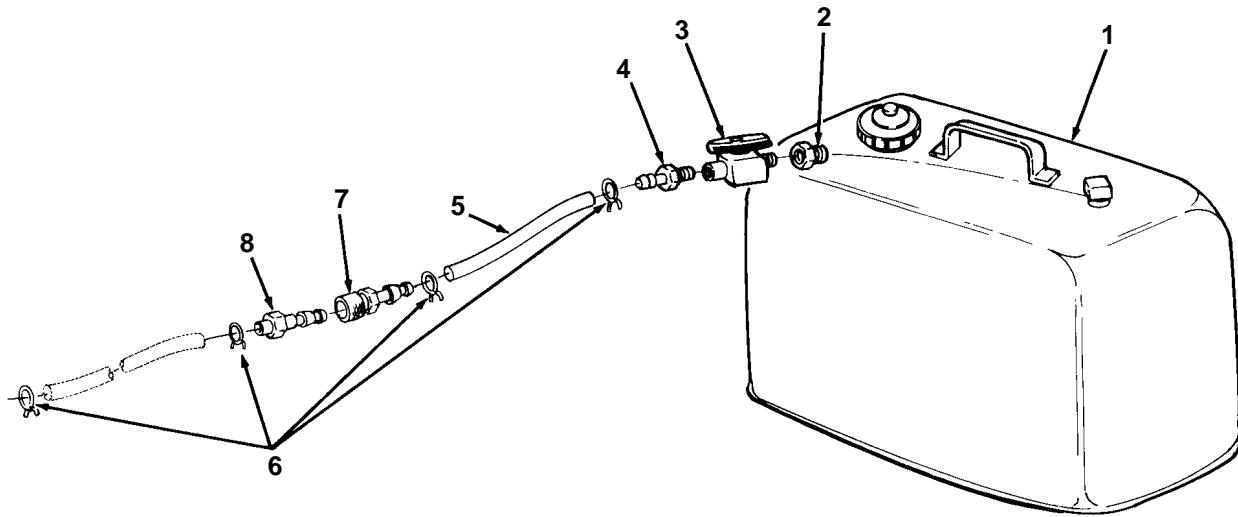
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	520-2216	2	Stud, Exhaust	7	402-0678	2	Isolator, Top Muffler
2	154-2816	2	Gasket, Exhaust	8	526-0011	4	Washer, Flat (#10)
3	154-2975	1	Manifold, Exhaust (Includes Tube)	9	823-1006-06	4	Screw, Pan Head Machine (M5 x .8 x 20mm)
4	870-2193-04	4	Nut, Torque Hex (M8 x 13)	10	503-1533-03	1	Hose, PreHeat
5	402-0675	2	Isolator, Bottom Muffler	11	800-2057	2	Screw
6	155-2783	1	Muffler				

Exhaust Kits



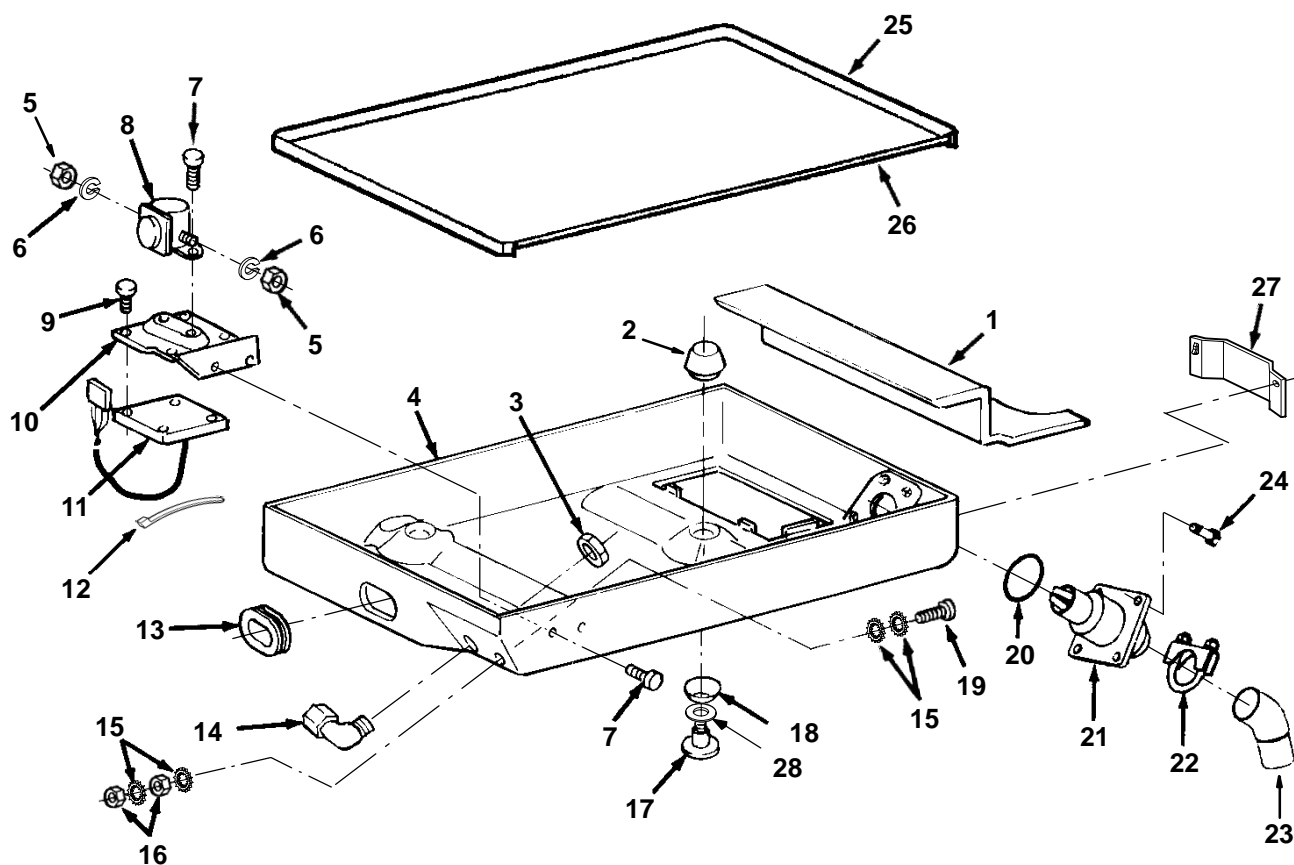
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2850	1	Kit, Exhaust Tube (Includes Adapter and Clamp)	7	155-2844	1	Tube, Exhaust
2	155-2856	1	Adapter, Exhaust		155-2844-01	1	* 540mm
3	155-1256	1	*~Clamp			1	~ 559mm
4	155-2847	1	Kit, Exhaust Elbow Adapter (Includes Exhaust Elbow and Clamp)	8	155-2860	1	*~Insulator, Exhaust
5	155-2843	1	Elbow, Exhaust	9	155-2861	2	*~Clamp, Exhaust
6	155-2845	1	Kit, Exhaust Tailpipe (Includes Parts Marked *)	10	800-0031	2	*~Screw-HHC 5/16-18 x 1.5
	155-3263	1	559mm Tube (Includes Parts Marked ~)	11	155-2859	3	*~Backplate, Exhaust
				12	800-0026	1	*~Screw-HHC 5/16-18 x .75
				13	862-0015	2	*~Nut, Hex 5/16
				14	155-2174	1	Hanger, Exhaust 1.5" O.D.
				15	155-2449	1	Resonator, Exhaust

Fuel Tank Kit



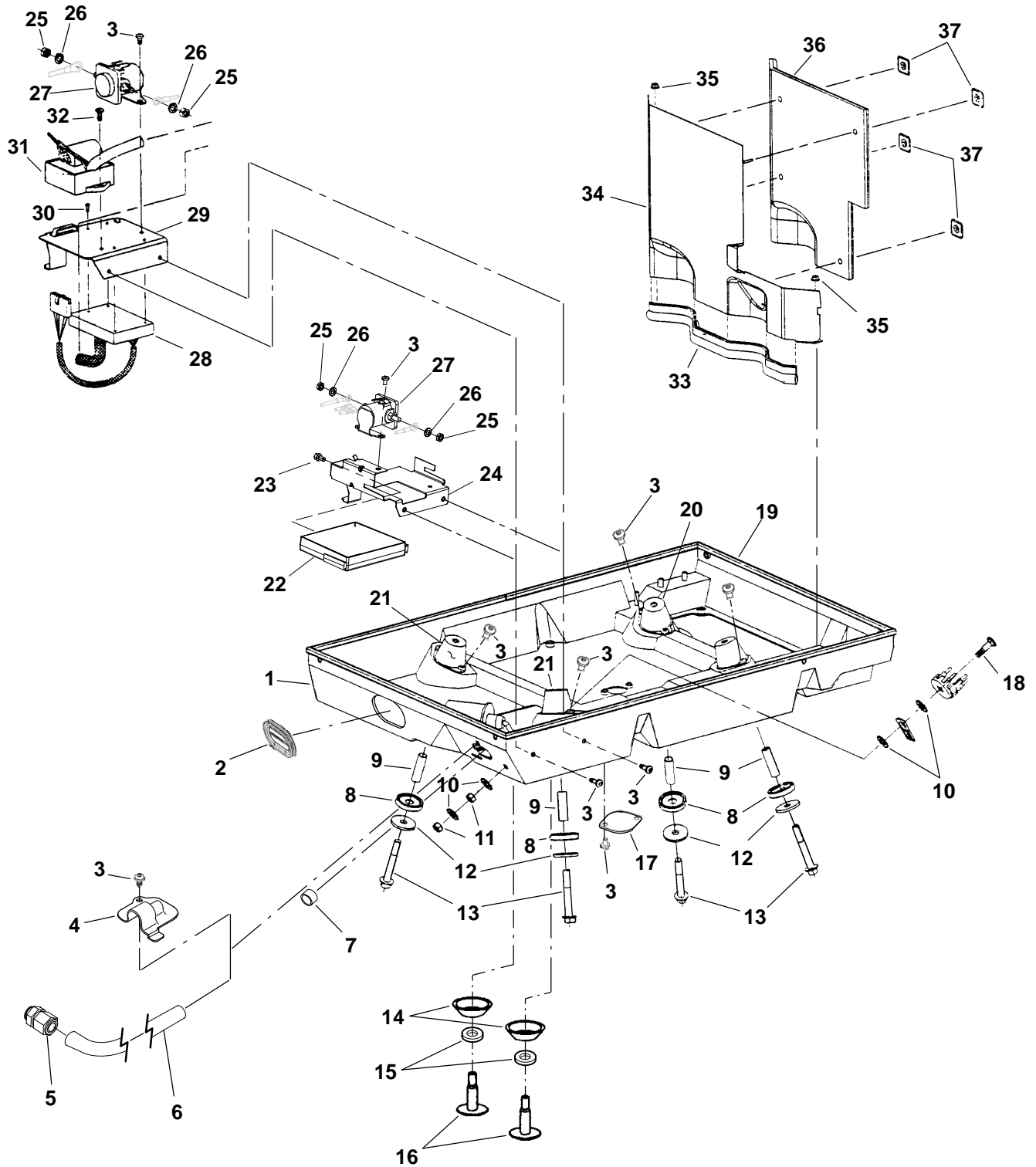
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	415-0584	1	Kit, Fuel Tank	5	503-0708	1	Hose, Fuel (1/4" ID x 14")
1	415-0511	1	Tank, Fuel (6 Gallon)	6	503-0731	4	Clamp, Hose
2	505-0007	1	Bushing, Reducer (1/4" x 1/8")	7	502-0397	1	Coupling, Quick Disconnect Female
3	504-0169	1	Valve, Shutoff (1/8")	8	502-0398	1	Coupling, Quick Disconnect Male
4	502-0395	1	Connector, Barbed Hose (1/8")				

Enclosure Base (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4306	1	Insulation, Exhaust	16	862-0015	2	Nut, Hex (5/16-18
2	402-0640	3	Isolator, Mounting	17	541-0540	3	Screw, Isolator Mounting (Includes Washer)
3	331-0041	1	Nut, Lock	18	402-0641	3	Isolator, Snubber
4	405-4305-01	1	Base, Enclosure	19	816-0101	1	Bolt, Carriage (5/16-18 x 1-1/4")
5	868-0002	2	Nut, Hex (5/16-24)	20	155-2677-01	1	Gasket, Resonator
6	850-0045	2	60 Hz	21	155-2675	1	Adapter, Resonator
	850-0045	4	50 Hz	22	155-2715	1	Clamp, Exhaust (1-3/4")
7	823-1002-01	9	Screw, Torx Pan Head (M6 x 1 x 12mm)	23	155-2676	1	Elbow, Exhaust 45° Angle
8	307-2586	1	Relay, Start Solenoid (K1)		155-2682	1	90° Angle
9	809-0017	4	Screw, Round Head Steel (#6 x 5/16")	24	800-0730	1	Screw, Cap - Hex Head (5/16-18 x 1")
10	319-1279-01	1	Bracket, Control	25	405-4755-02	1	Edging, Base Pan (1675mm)
11	300-4155	1	Board, PC	26	508-1083-01	1	Edging, Base Pan (683mm))
12	332-0942	2	Tie, Cable	27	155-2644-02	1	Shield, Heat
13	508-0315	1	Grommet, Enclosure Base	28	526-0029	3	Washer
14	331-0521	1	Elbow, Conduit				
15	856-0008	4	Washer, EIT Lock (5/16")				

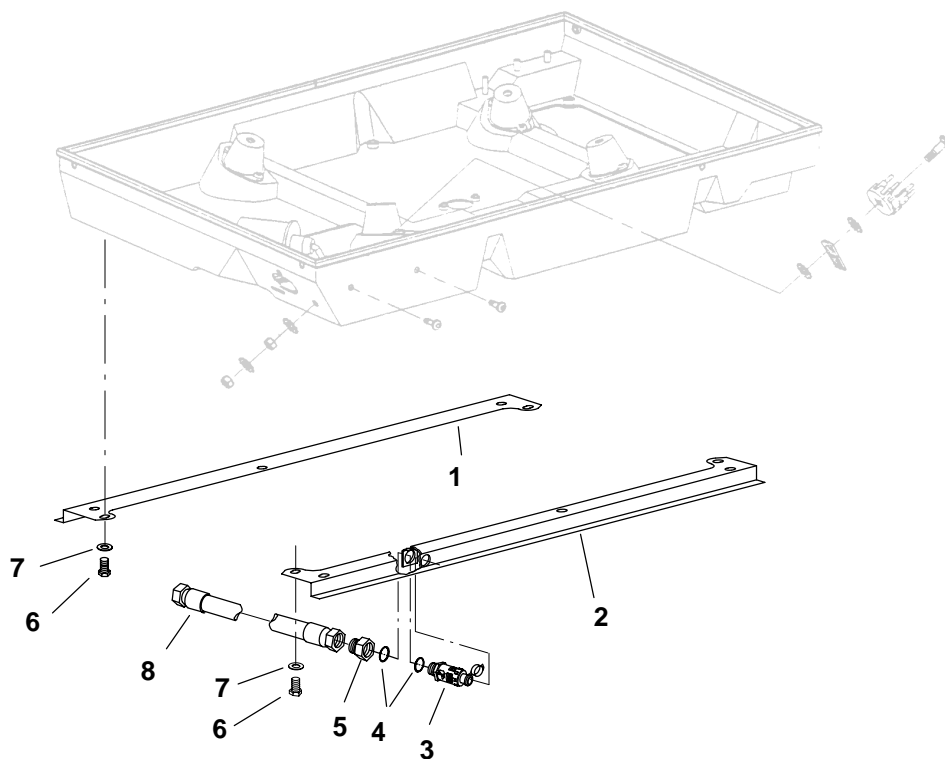
Enclosure Base (Begin Spec B)



Enclosure Base (Begin Spec B)

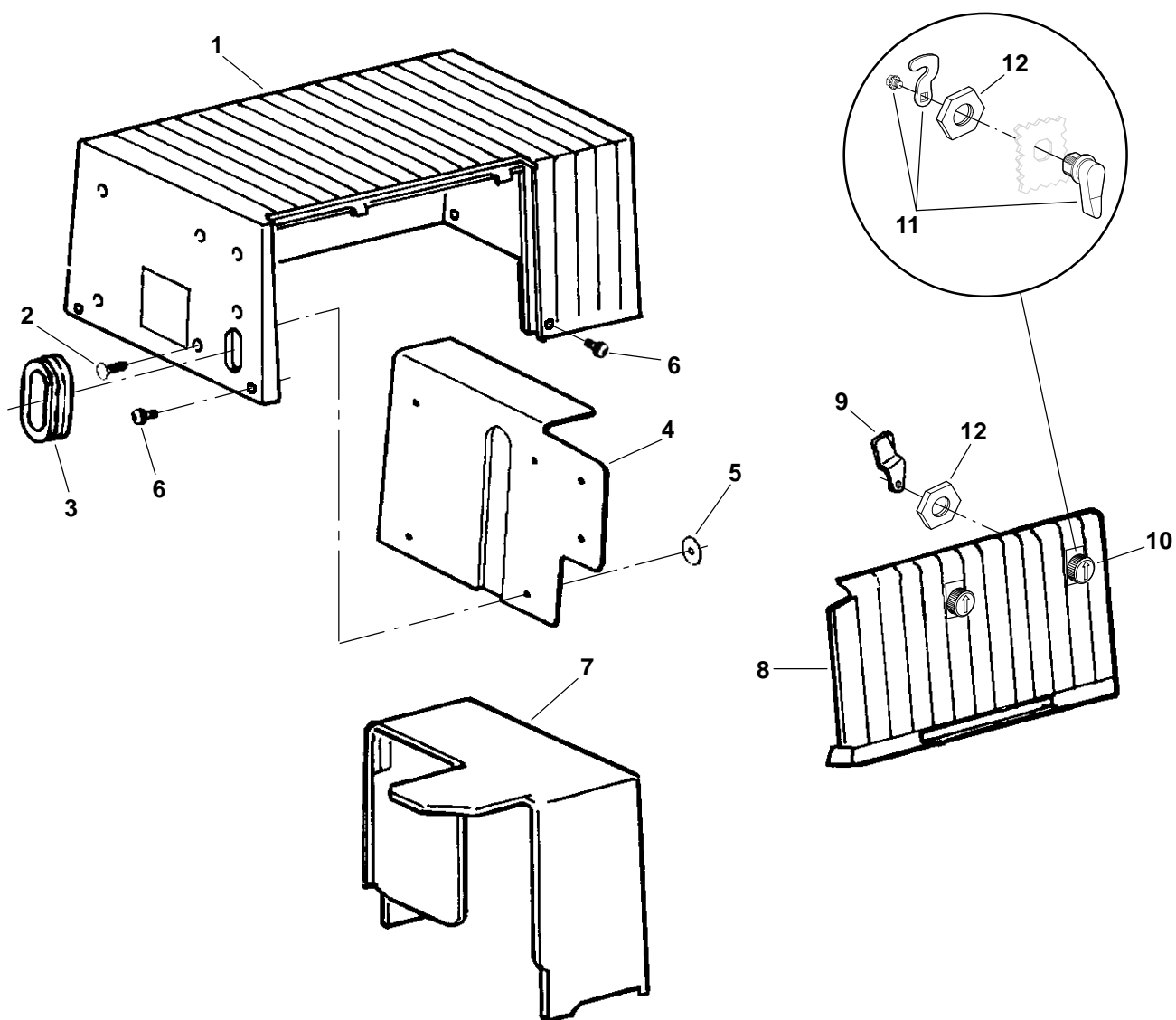
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Base, Enclosure	16			Screw, Isolator
	405-4890-02	1	Gasoline		541-0540	2	Spec D/E-H (Includes Washer) (Gasoline Spec E; LP Spec D)
	405-5336-02	1	Spec B-D		815-0785	2	Begin Spec J
	405-5811-02	1	Spec E				Cover, Drain
			Begin Spec F	17			Gasoline
			LP		405-4964-02	1	Spec B-D
	405-4890-02	1	Spec B, C		102-1456-02	1	Begin Spec E
	405-5336-02	1	Spec D, E				LP
	405-5811-02	1	Begin Spec F		405-4964-02	1	Spec B, C
2	508-0315	1	Grommet, Enclosure Base		102-1456-02	1	Begin Spec D
3	823-1002-03	14	Screw, Pan Head Torx Machine (M6 x 1 x 10mm)		405-4964-02	1	Spec B, C
4	331-0539-02	1	Clamp, Conduit (Not Included With Spec 11580 or 11320)	18	800-0030	1	Bolt, Carriage (5/16-18 x 1-1/4")
5	331-0115	1	Connector, Straight (1/2" Pipe Thread) (Spec 11580)	19	508-1093-01	1	Edging (2388mm)
6	331-0255	1	Conduit (1/2" x 36") (Spec 11580)	20	402-0664-02	2	Isolator, Engine End
7			Bushing	21	402-0664-01	2	Isolator, Generator End
	508-0208	1	Snap (Begin Spec F Except Spec 11580 G & H)	22	300-5046	1	Board, PC (Begin Spec J)
	331-0545	1	Armor (Spec 11580 G & H only)	23	815-0943-02	1	Screw, Torx Pan Head (Begin Spec J)
8	402-0665	4	Isolator, Snubber (Gasoline Spec B-D; LP Spec B, C)	24	319-3811-02	1	Bracket, Control (Begin Spec J)
9	402-0686-02	4	Tube, Spacer (Gasoline Spec B-D; LP Spec B, C)	25	868-0002	2	Nut, Hex (5/16-24)
10	856-0008	4	Washer, EIT Lock (5/16")	26	850-0045	2	Washer, Spring Lock (5/16")
11	862-0015	2	Nut, Hex (5/16-18)	27	307-2586	1	Relay, Start Solenoid (K1)
12	526-0014	4	Washer, Flat (7/16") (Gasoline Spec B-D; LP Spec B, C)	28			Board, PC
13			Screw, Hex Head Thread Forming (M10 x 1.5 x 70mm) Gasoline		300-4320	1	Spec B-E
	815-0842-05	4	Spec B-D (Hex Head)		300-4923	1	Spec F-H
	815-0874-01	4	Begin Spec E (Socket Head)	29	319-2152-03	1	Bracket, Control (Spec B-H)
			LP	30	809-0017	4	Screw, Round Head Steel (#6 x 5/16") (60Hz, 120V, Gasoline Units)
	815-0842-05	4	Spec B, C	31			Regulator, Voltage (VR1) (Spec B-H) (60Hz, 120V, Gasoline Units)
	815-0874-01	4	Begin Spec D		305-0851	1	60 Hz
14	402-0641	2	Isolator, Snubber (Gasoline Begin Spec E; LP Begin Spec D)		305-0866	1	50 Hz
15	526-0032	2	Washer, Flat (Gasoline Spec E; LP Spec D)	32	823-1002-04	1	Screw, Torx Pan Head (Spec B-H) (M6 x 14mm)
				33	508-1091	1	Seal, Barrier Edge
				34	405-4892-02	1	Barrier, Exhaust
				35	870-2054	2	Nut, Flange Lock (M6 x 1)
				36	405-4895	1	Insulation, Exhaust Barrier
				37	518-0581	4	Nut, Push-On

Mounting Rails (Spec 11320)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3824-02	1	Rail	6	800-0026	6	Screw, Hex Head Cap (5/16" x 3/4")
2	403-3824-01	1	Rail	7	526-0122	6	Washer, Flat (5/16")
3	504-0186	1	Valve, Drain	8	501-0440	1	Hose
4	509-0084	2	O'Ring				
5	332-3460	1	Connector, Female				

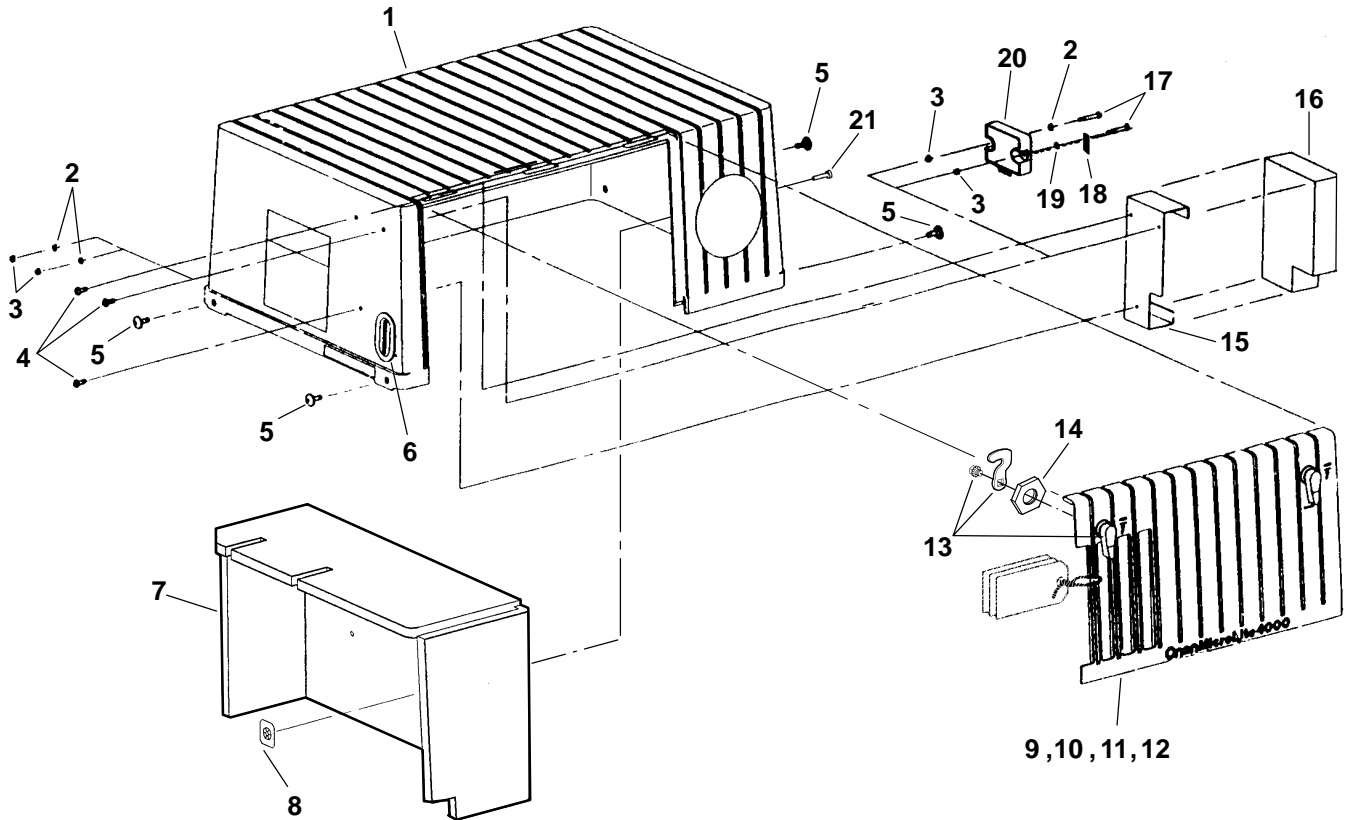
Generator Enclosure (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4524	1	Cover Assy, Enclosure (Includes Parts Marked *)	9	406-0737-02	2	Pawl, Latch (Early Spec A)
2	518-0623	6	*Clip, Christmas Tree	10	406-0739	2	Latch, Service Panel (Early Spec A)
3	508-0315	1	*Grommet, Remote	11	406-0779	2	Latch Assy, Service Panel (Later Spec A)
4	405-4308	1	*Insulation, Inlet	12	870-2198	2	Nut, Hex (M22 x 1.5)
5	526-0394	6	*Washer, Flat (Special)				
6	823-0010-01	5	Screw, Shoulder Torx (M6 x 14mm)				
7	405-4307-02	1	Insulation, Upper Exhaust Baffle				
8	405-5154	1	*Panel, Service (Includes Latches, Insulation, Label, Gasket and Washers)				

* - Parts Included in Enclosure Cover.

Generator Enclosure (Begin Spec B)



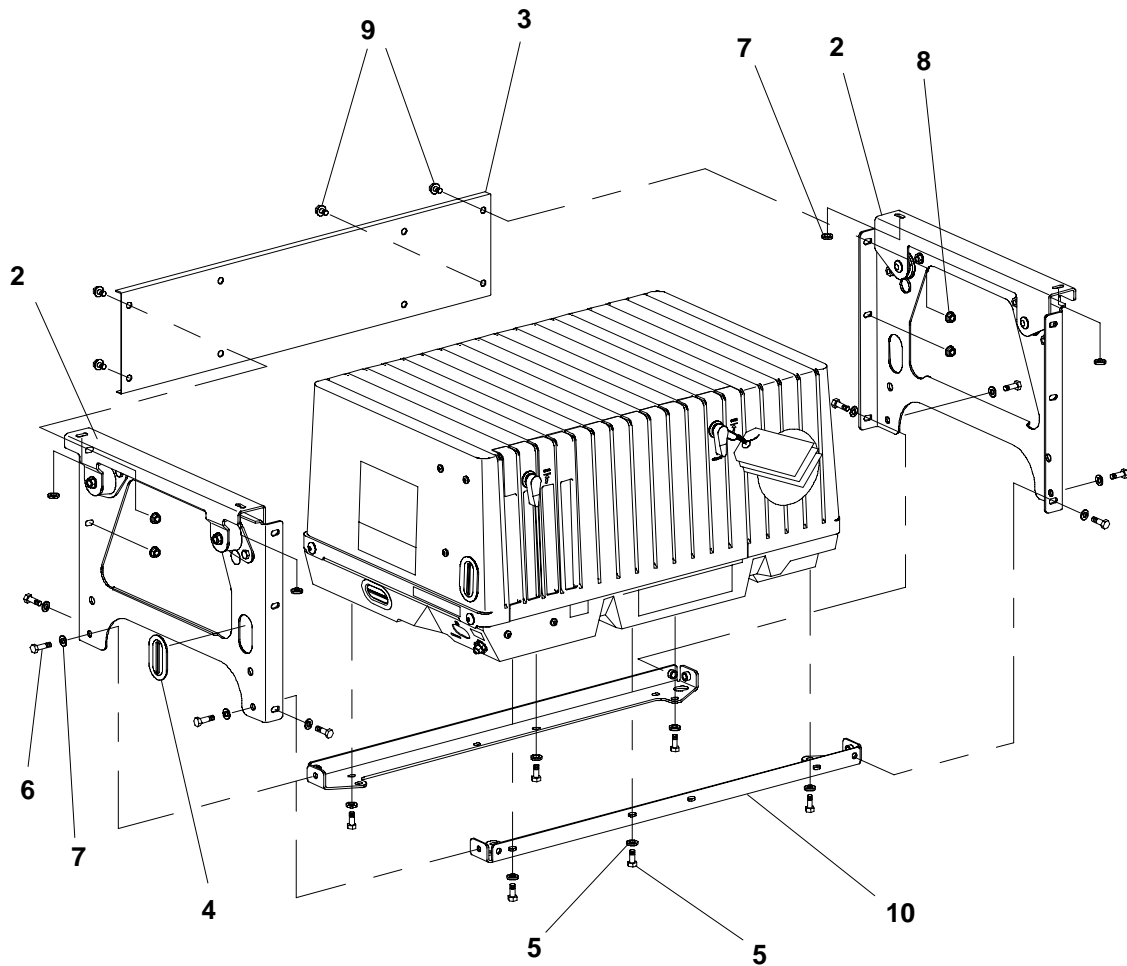
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cover Assy, Enclosure (Includes Parts Marked *)
	405-4954	1	Spec B-E
	405-5826-01	1	Green
	405-5826-02	1	White
			Begin Spec J
	405-6383-01	1	Green
	405-6383-02	1	White
2	526-0009	3	Washer, Flat (M5) (50 Hz, 100V-60Hz)
3	870-2062	4	Nut, Lock (M5 x .8) (50Hz, 100V-60Hz)
4	823-1002-01	3	Screw, Torx Pan Head (M6 x 1 x 12mm) (60 Hz) (Spec B-H)
5	823-0010-01	4	Screw, Torx Shoulder (M6)
6			*Grommet
	508-0315	1	Spec B-E
	508-1116	1	Begin Spec F
7	405-4894	1	*Insulation, Exhaust Baffle
8	518-0581	2	*Nut, Push-On
9			*Panel Assy, Service (Includes Parts Marked +)
			Spec B-H
	405-4956	1	Green
	405-4956-01	1	White
			Begin Spec J
	405-6384-01	1	Green
	405-6384-02	1	White

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	405-4958	1	+Insulation, Door
11	526-0394	4	+Washer, Flat (Special)
12	405-4311-01	1	+Gasket, Service Panel (250mm)
13	406-0779	2	+Latch Assy, Service Panel (Includes Pawl and Latch)
14	870-2198	1	+Nut, Hex (M22 x 1.5)
15	405-4967-03	1	Bracket, Inlet Insulation (60 Hz) (Spec B-H)
16	405-4966	1	Insulation, Inlet (60 Hz) (Spec B-H)
17	800-2012	2	Screw, Hex Head Cap (M5 x .8 x 30mm) (50 Hz, 100V-60Hz)
18	332-3292	1	Terminal, Spade (50Hz, 100V-60Hz)
19	856-0003	1	Washer, EIT (#10) (50Hz, 100V-60Hz)
20	305-0784	1	Charger, Battery (50 Hz, 100V-60Hz)
21	818-0226-01	2	*Rivet

* - Included in Enclosure Cover Assy.

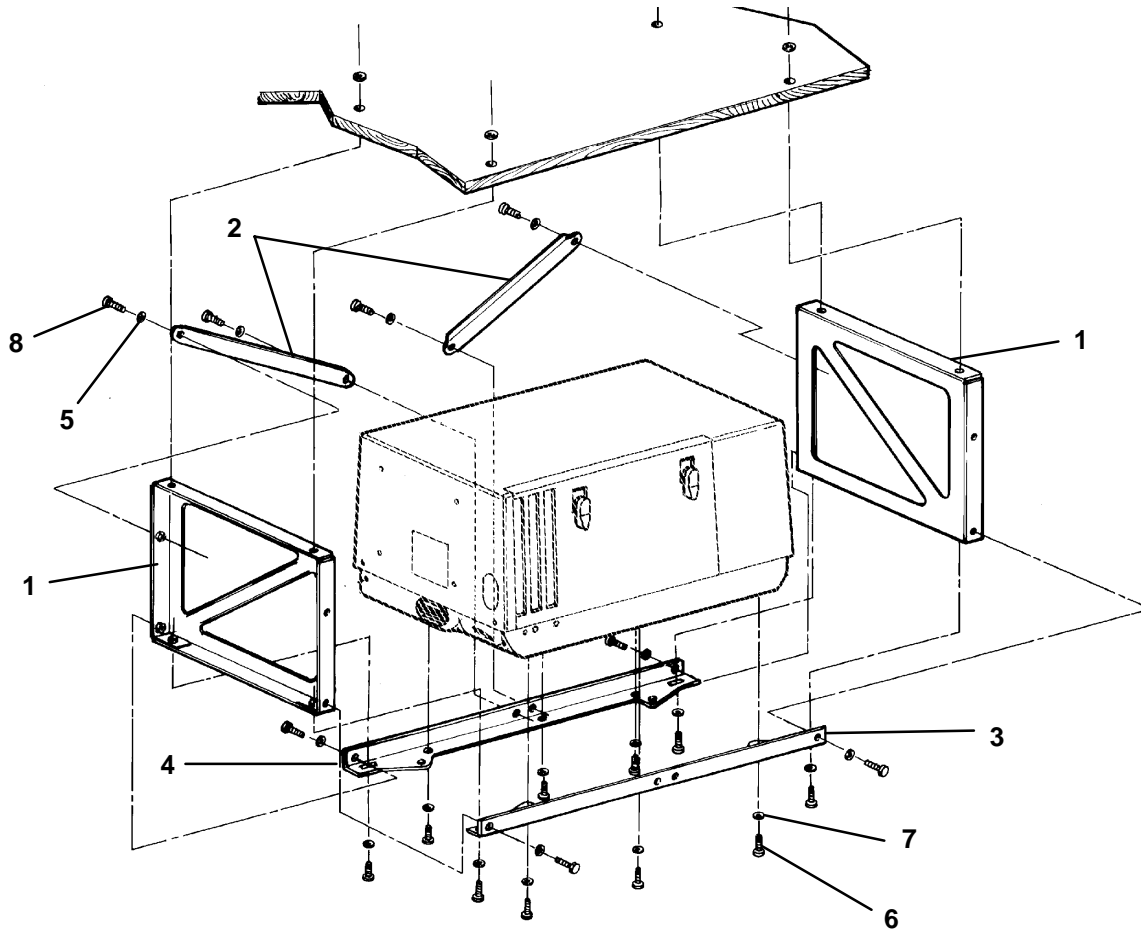
+ - Included in Service Panel Assy.

Underfloor Mounting Kit



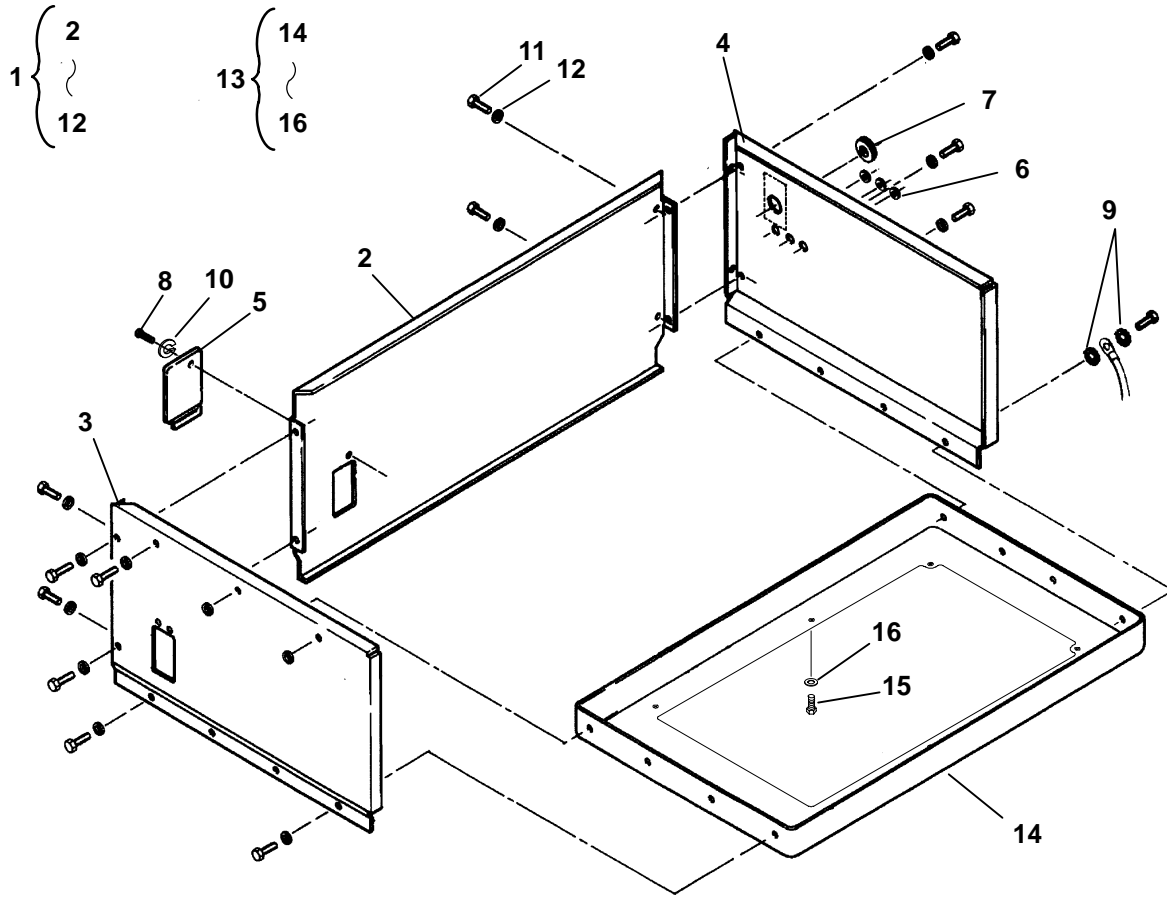
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	403-3670	1	Kit, Undrfloor Mounting	6	800-0048	8	Screw, HHC (3/8-16 x .75)
1	403-3672	2	Panel, Underfloor	7	526-0174	12	Washer, Flat 3/8 Hardened
2	403-3396-02	1	Panel, Back	8	870-0513-02	4	Nut, Hex Flange Lk 5/16-18
3	508-0315	1	Grommet, Remote	9	821-0014	4	Screw, HH Lk Flange (5/16-18 x .5)
4	800-0026	6	Screw, HHC (5/16-18 x .75)	10	403-3669-02	2	Rail, Underfloor
5	526-0122	6	Washer, Flat 5/16 Hardened				

Underfloor Mounting Kit



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	403-3608	1	Kit, Underfloor Mounting (Replaced by 403-3670)	5	526-0174	16	Washer, Flat (3/8")
1	403-3579-02	2	Panel, Side	6	800-0026	6	Screw, Hex Head Cap (5/16-18 x 3/4")
2	403-3580-02	2	Brace, Back	7	526-0122	6	Washer, Flat (5/16")
3	403-3581-03	1	Rail, Bottom (w/o Weldnuts)	8	800-0049	12	Screw, Hex Head Cap (3/8-16 x .88")
4	403-3581-04	1	Rail, Bottom (w/o Weldnuts)				

Underfloor Housing/Base Kit

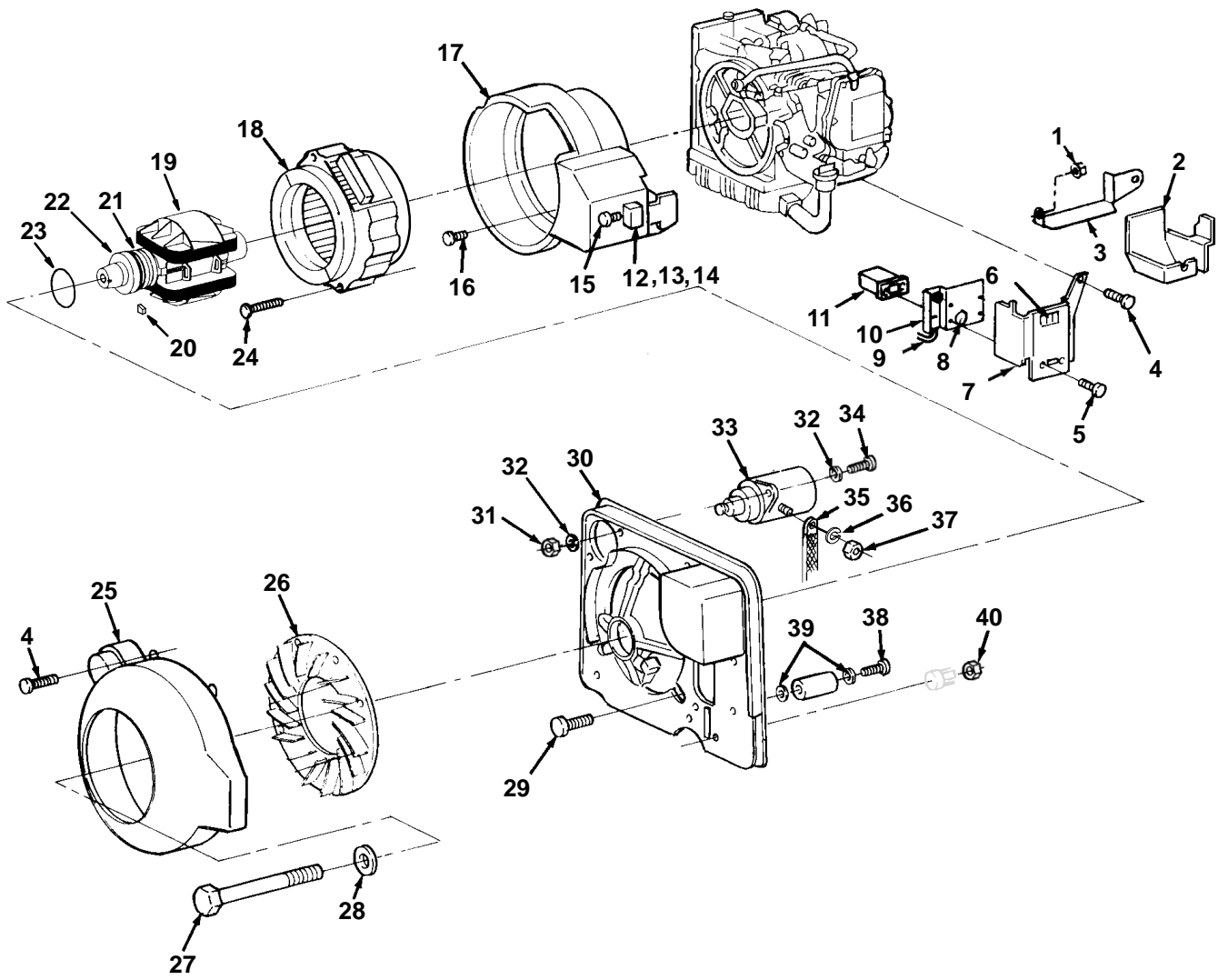


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4241	1	Kit, Housing (Includes Parts Marked +)
2	405-4662	1	+Panel, Housing (Rear)
3	405-4663	1	+Panel, Housing (LH)
4	405-4237	1	+Panel, Housing (RH)
5	405-4668-01	1	+Cover, Panel
6	508-0071	3	+Grommet, Rubber (.62 Id)
7	508-0055	1	+Grommet, Rubber (1.50 Id)
8	813-0098	1	+Screw, RH (#10-32 X.375)
9	856-0008	2	+Washer, EIT Lk (5/16)
10	850-0030	1	+Washer, Lock (#10)
11	800-0026	16	+Screw, Hex Head Cap (5/16-18 X .75)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	526-0122	22	+Washer, Flat (5/16")
13	403-3630	1	Kit, Underfloor Base (Includes Parts Marked *)
14	403-3631-02	1	*Base, Underfloor
15	800-0026	14	*Screw, Hex Head Cap (5/16-18 X .75)
16	526-0122	22	+Washer, Flat (5/16)

* - Parts Included in Base Kit.
+ - Parts Included in Housing Kit.

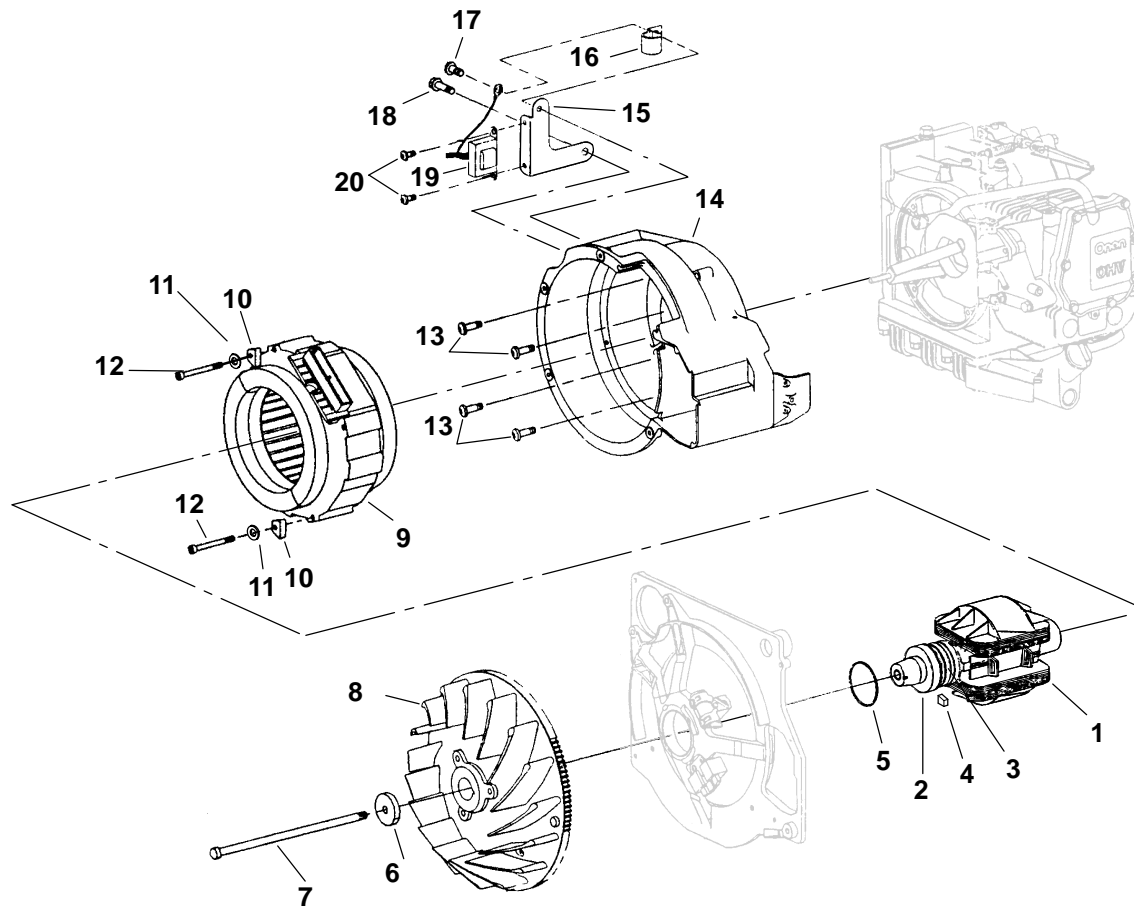
Generator/Control
(Spec A)



Generator/Control (Spec A)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-2054	1	Nut, Locking Flange (M6 x 1) (LP)	19	201-3538	1	Rotor Assy (Includes Bearing and Collector Ring)
2	145-0619	1	Shield, Carburetor (Gasoline)	20	515-0289	1	Key, Fan Hub
3	319-1738-02	1	Shield, Control (LP)	21	204-0141	1	Ring, Collector
4	823-0009-01	5	Screw, Torx Pan Head (M6 x 1 x 14mm)	22	510-0157	1	Bearing, Rotor
5	815-0694	2	Screw, Slotted w/ET (#6-32 x 1/4")	23	509-0285	1	O'Ring
6	308-0969	1	Bezel	24	815-0787	2	Screw, Torx Socket Head (M6 x 1 x 70mm)
7			Panel, Control	25	134-4918	1	Housing, Scroll
	319-1412	1	60 Hz	26	205-0199	1	Wheel Assy, Blower
	319-1554-02	1	50 Hz	27	815-0778	1	Bolt, Rotor Thru (3/8-24 x 9.5")
8	517-0133	1	Plug, Hole (50 Hz)	28	526-0392	1	Washer, Fan Hub
9	303-0303	1	Potentiometer Assy (R5) (50 Hz) (Includes Lead, Bracket and Potentiometer)	29	823-0003-03	3	Screw, Torx Pan Head (M6 x 1 x 20mm)
10	303-0275	1	Potentiometer (R5)(50 Hz)	30		1	Endbell Assy (See Separate Page for Components)
11			Breaker, Circuit (CB1)	31	750-1006	2	Nut, Hex (M8)
	320-1323	1	60 Hz (30 Amp)	32	740-1006	4	Washer, Flat (M8)
	320-1780-01	1	50 Hz (15 Amp)	33	191-1798	1	Starter (B1) (See Separate Page for Components)
12	166-0784		Coil Assy, Ignition (Includes Spark Plug Terminal and Boot)	34	720-1038	2	Screw, Hex Head Cap (M8 x 30mm)
13	167-0267	1	Terminal, Spark Plug	35	226-4297	1	Cable, Starter
14	167-0265	1	Boot, Spark Plug	36	850-0040	1	Washer, Lock-Spring (1/4")
15	823-0002-04	2	Screw, Torx Pan Head (M4 x .7 x 12mm)	37	862-0001	1	Nut, Hex (1/4-20)
16	823-0007-02	4	Screw, Torx Pan Head (M8 x 1.25 x 25mm)	38	823-0008	1	Screw, Pan Head Torx (M4 x .7 x 60mm)
17	220-4416	1	Housing, Stator	39	304-0796	2	Washer, Center (M4)
18			Stator, Generator	40	870-0236	1	Nut, Hex (#10-32)
	220-4485-01	1	60 Hz				
	220-4485-03	1	50 Hz				

Generator (Begin Spec B)



Generator (Begin Spec B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Rotor Assy, (Includes Bearing)	11	526-0018	2	Washer, Flat (60Hz) (Begin Spec J)
	201-3538	1	60 Hz Spec B-H	12			Screw, Torx Socket Head
	201-3539-01	1	Begin Spec J		815-0787	2	60 Hz (M6 x 1 x 70mm)
			50 Hz				50 Hz (M6 x 1 x 100mm)
			Gasoline		815-0876	2	Spec B-H
	201-3538	1	Spec B-D		815-0936	2	Begin Spec J
	201-3539	1	Begin Spec E	13	823-0007-02	4	Screw, Pan Head – Torx
			LP				Thread Forming
	201-3538	1	Spec B-C				(M8 x 1.25 x 25mm)
	201-3539	1	Begin Spec D	14			Housing, Stator
2	510-0157	1	Bearing, Rotor				60 Hz
3	204-0141	1	Ring, Collector				Spec B-H
4	515-0289	1	Key, Hub		220-4491-02	1	120V
5	509-0285	1	O'Ring		220-4491-01	1	100V
6	526-0392	1	Washer, Fan Hub				Begin Spec J
7	815-0778	1	Bolt, Rotor Thru (3/8-24 x 9-1/2")		220-4572-01	1	Gasoline Units
					220-4572-02	1	LP Units
8			Wheel Assy, Blower (Includes Magnet)				50 Hz
	205-0199-S0	1	Spec B-H		220-4489-02	1	Spec B-H
	205-0263	1	Begin Spec J		220-4572-03	1	Begin Spec J
9			Stator, Generator	15	315-0735-03	1	Bracket, Transformer (50 Hz) (Spec B-H)
			60 Hz	16	518-0533	1	Clip
			Spec B-H	17	823-0003-06	1	Screw, Torx Pan Head
	220-4485-S5	1	120V				Thread Forming
	220-4485-S4	1	100V				(M6 x 1 x 12mm)
			Begin Spec J	18	815-0829-04	1	Screw, Thread Hex Flange
	220-4586-01	1	120V				Forming (M8 x 1.25 x 16mm)
	220-4586-02	1	100V				(Spec B-H) (50 Hz, 100V-60Hz)
			50 Hz				
			Gasoline	19	315-0736	1	Transformer, Voltage (T1)
	220-4485-S3	1	Spec B-D				(Spec B-H) (50 Hz, 100V-60Hz)
	220-4490-S1	1	Spec E-H				
	220-4586-11	1	Begin Spec J	20	823-1002-01	2	Screw, Pan Head Torx
			LP				Machine (M6 x 1 x 12mm)
	220-4485-S3	1	Spec B-C				(Spec B-H) (50 Hz, 100V-60Hz)
	220-4490-S1	1	Spec D-H				
	220-4586-11	1	Begin Spec J				
10			Clamp, Angled (50Hz)				
	232-3881	2	Spec B-H				
	232-4030	2	Begin Spec J				

When a Rotor is ordered for Spec A or B prior to Serial #H943219685 then use a 201-3538-S0 Rotor and one of the Following Stators unless it has already replaced:

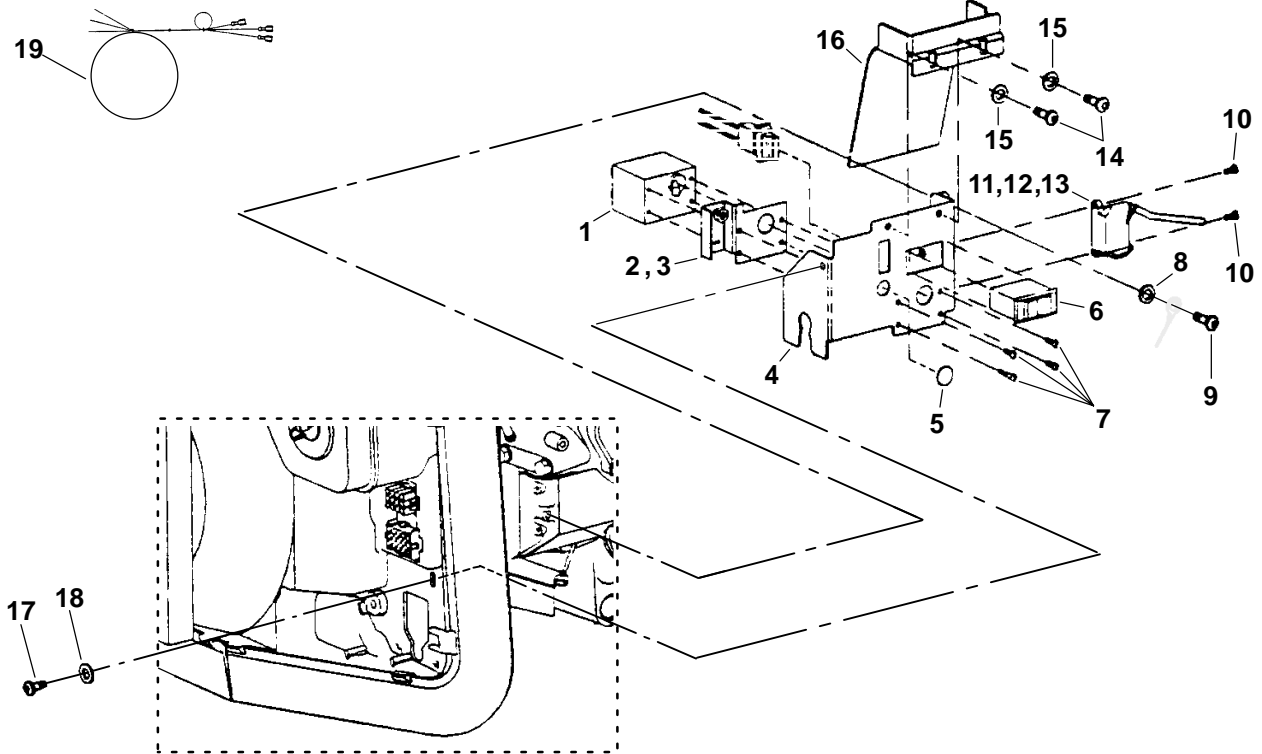
60Hz – Spec A, Order 220-4485-01

60Hz – Spec B Order 220-4485-05

50Hz – Spec A or B Order 220-4485-03.

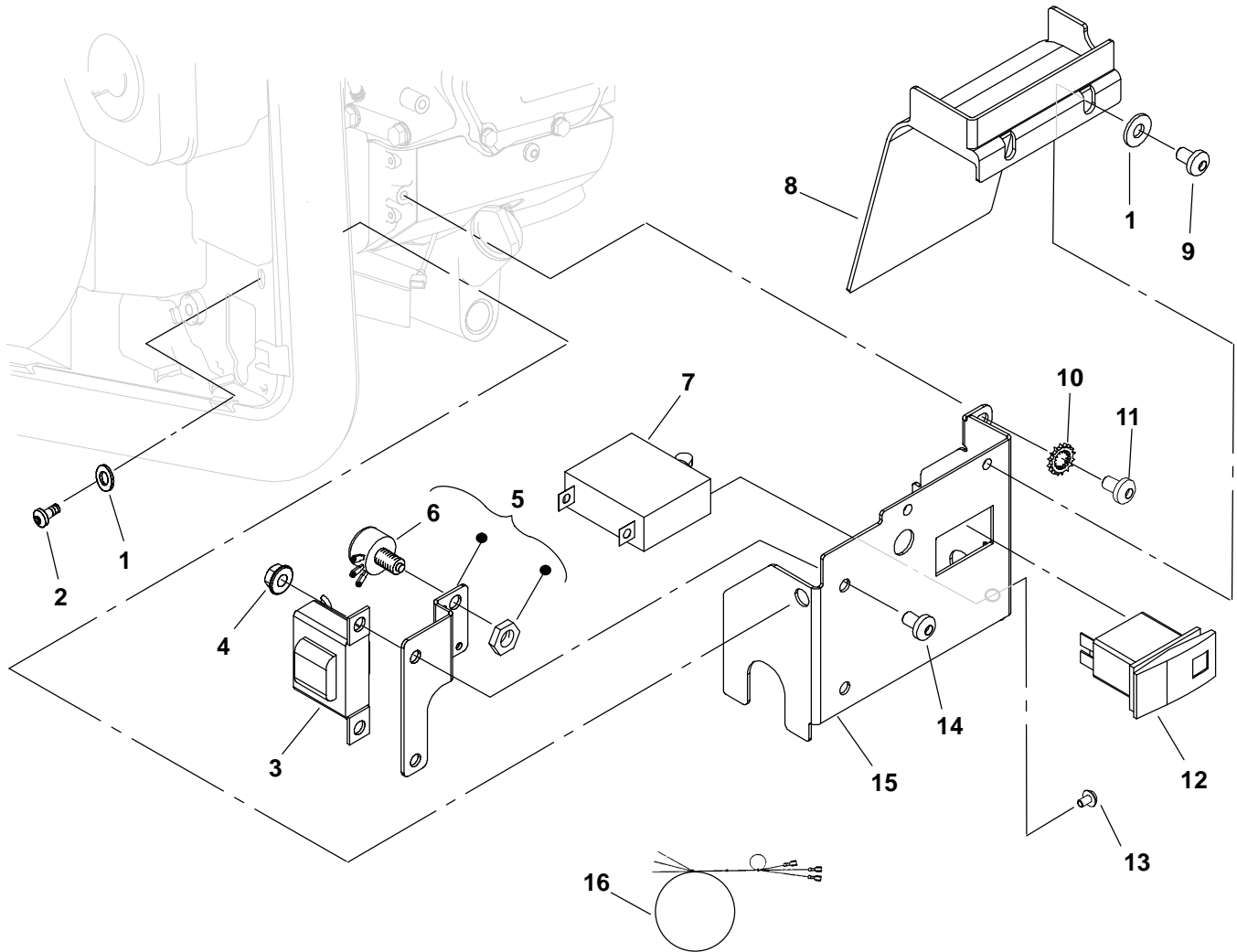
IF 300-4670 Resistor Kit has been installed, Remove it before Replacing the Rotor and Stator.

Control (Spec B-H)



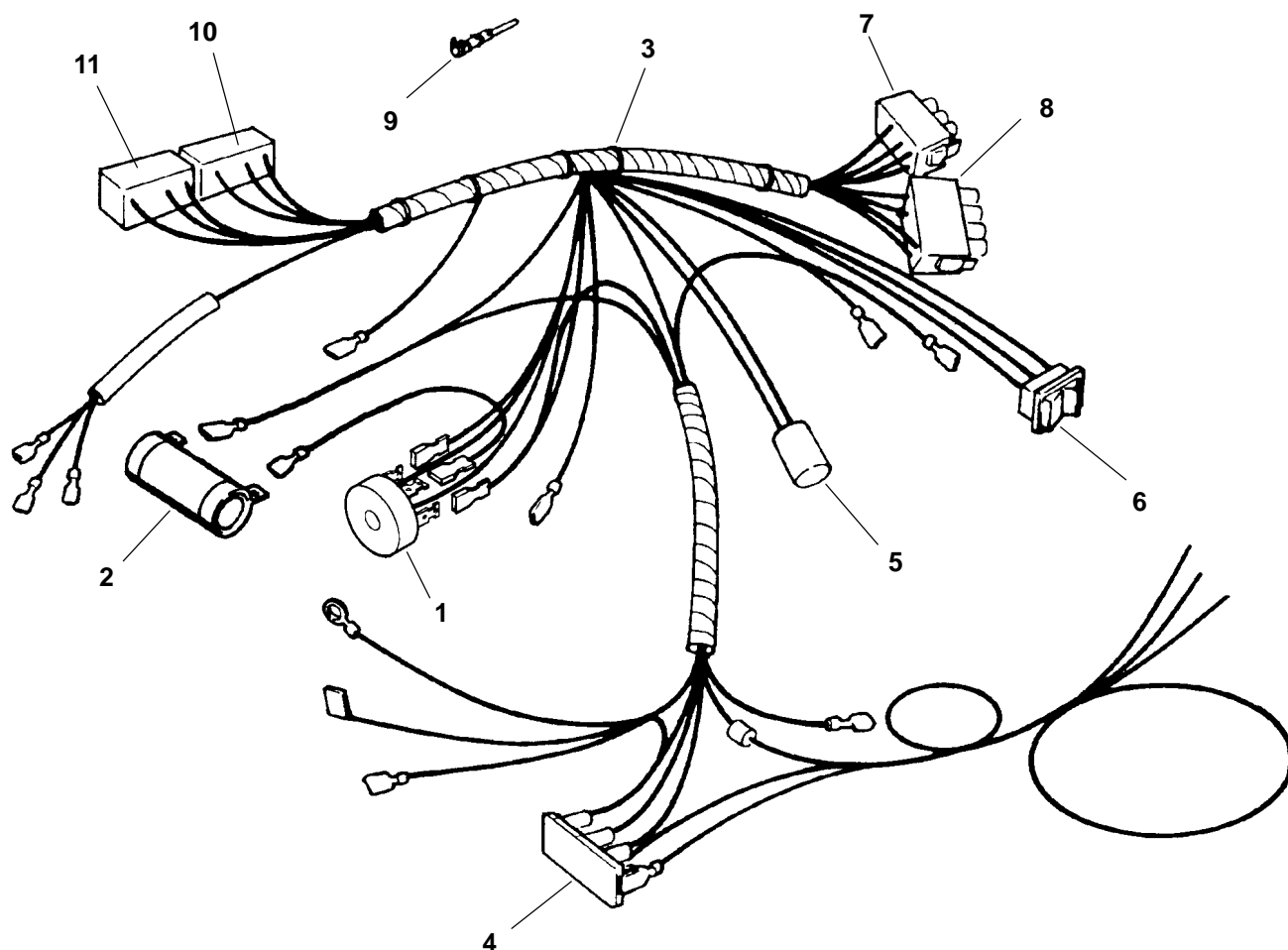
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit (CB1)	8	853-0013	1	Washer, ET Lock (1/4")
			60 Hz	9	823-0003-06	1	Screw, Torx Pan Head
	320-1323	1	30A (120V Sets)				Thread Forming
	320-1780-02	1	20A (100V Sets)				60 Hz (M6 x 1 x 12mm)
			50 Hz	10	823-0002-04	2	Screw, Torx Pan Head
	320-1780-01	1	15A				(M4 x .7 x 12mm)
	320-1780-03	1	17A	11	166-0818	1	Coil Assy, Ignition (T1-Ign)
	320-1780-02	1	20A				(Includes Terminal and Boot)
2	303-0308	1	Potentiometer Assy (R5)	12	167-0267	1	Terminal, Spark Plug
			(50 Hz and 100V/60Hz)	13	167-1627	1	Boot, Spark Plug
			(Includes Lead, Bracket and Potentiometer)	14	823-0003-01	2	Screw, Torx Pan Head
3	303-0275	1	Potentiometer (R5) (50 Hz and 100V/60Hz)				(M6 x 1 x 10mm)
4			Panel, Control	15	526-0018	2	Washer, Flat (1/4")
	319-2176-03	1	60 Hz	16	145-0689	1	Shield, Carburetor
	319-2213-03	1	50 Hz	17	823-1002-03	1	Screw, Pan Head Torx
5	517-0133	1	Plug, Hole (50 Hz Only)				(M6 x 1 x 10mm)
6	308-0852	1	Switch, Start/Stop (S1)	18	526-0018	1	Washer, Flat (1/4")
7			Screw, Cross Pan Head	19			Harness, AC Output
			Recessed w/ET (#6-32 x 1/4")		338-2909	1	60 Hz
			60 Hz		338-3049	1	50 Hz
	815-0549	2	120				
	815-0549	4	100V				
	815-0549	4	50 Hz				

Control (Begin Spec J)



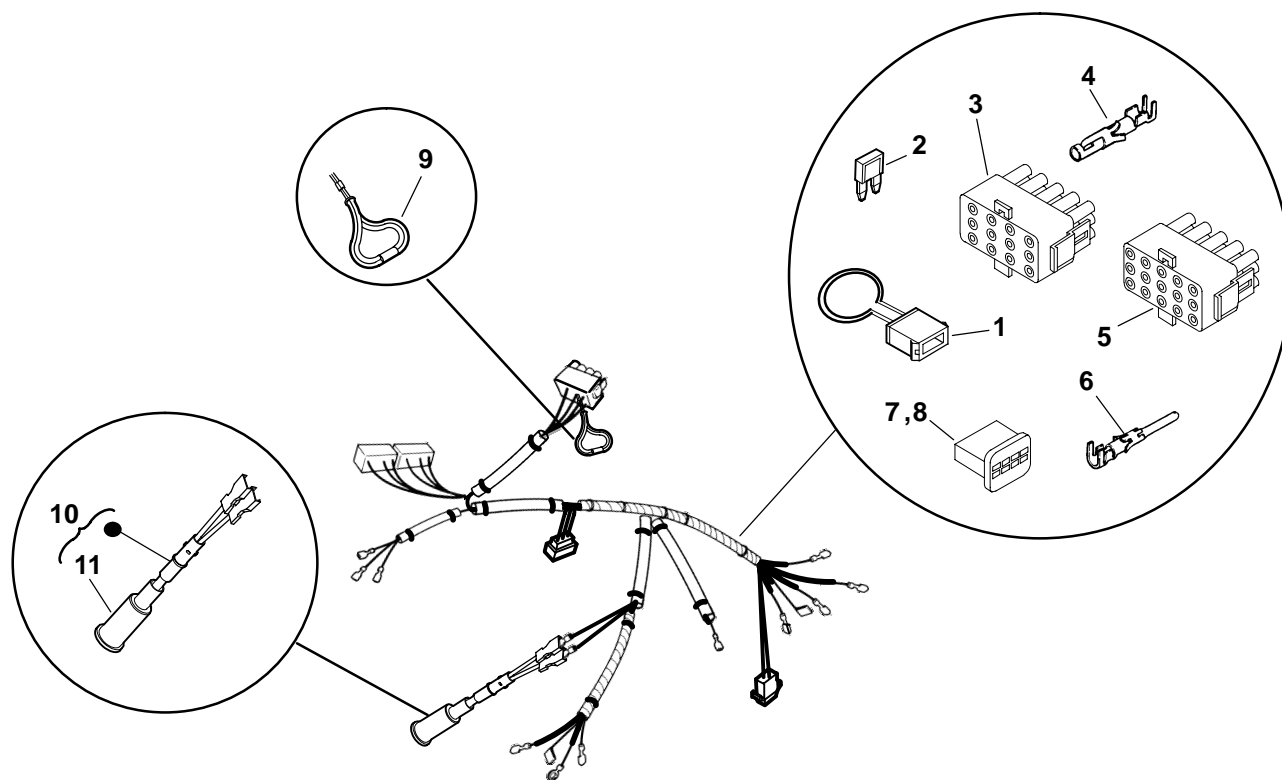
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	526-0018	3	Washer, Flat (1/4")	10	853-0013	1	Washer, ET Lock (1/4")
2	823-1002-03	1	Screw, Pan Head Torx (M6 x 1 x 10mm)	11	823-0003-06	1	Screw, Torx Pan Head Thread Forming (M6 x 1 x 12mm)
3	315-0736	1	Transformer, Voltage (T1) (50 Hz, 100V/60Hz)	12	308-1038	1	Switch, Start/Stop (S1)
4	870-2054	2	Nut, Lock Flange	13			Screw, Cross Pan Head Recessed w/ET (#6-32 x 1/4")
5	303-0332	1	Potentiometer Assy (R5) (50 Hz) (Includes Lead, Bracket and Potentiometer)		815-0549	2	60 Hz
6	303-0331	1	Potentiometer (R5) (50 Hz)		815-0549	4	120V
7			Breaker, Circuit (CB1) 60 Hz		815-0549	4	100V
			120	14	823-1002-01	2	50 Hz
	320-1323	1	30A				Screw, Torx Pan Head (M6 x 12mm) (50Hz and 100V/60Hz)
	320-1780-02	1	20A	15	319-3844-02	1	Panel, Control
	320-1780-02	1	100V (20A)	16			Harness, AC Output
			50 Hz		338-3814	1	60 Hz
	320-1780-03	1	17A				120V
	320-1780-02	1	20A		338-3814	1	100V
8	145-0689	1	Shield, Carburetor		338-3815	1	Isolated Ground
9	823-0003-01	2	Screw, Torx Pan Head (M6 x 1 x 10mm)		338-3815	1	Neutral Grounded
							50 Hz

Generator Harness (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-2568-01	1	Harness, Generator	5	321-0312-01	1	Fuse (5 Ampere)(F1)
	338-2568-02	1	60 Hz	6	308-0968	1	Switch, Start/Stop (S1)
1	305-0935	1	50Hz	7	323-1314	1	Connector, Plug (12 Pin)(P4)
2	304-0794	1	Rectifier, Bridge (CR1)	8	323-1252	1	Connector, Plug (15 Pin)(P1)
3	332-0942	13	Resistor (R1)	9	323-1200	21	Pin, Contact
4	332-3108	1	Tie, Cable	10	323-1527-01	1	Connector, Plug (P6)
			Terminal, Ground	11	323-1527-02	1	Connector, Plug (P5)

Generator Harness (Spec B-F)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Harness, Generator 60 Hz Gasoline	2	321-0307-03	1	*Fuse, 5A (F1)
338-3022-01	1		120 Volt (Includes Parts Marked *)	3	323-1314	1	*Connector, Plug (12 Pin)(P4)
			100Volt	4	323-1199	12	*Pin,Contact
338-3123-01	1		Isolated Neutral (Includes Parts Marked * and +)	5	323-1253	1	*Cap, Circuit (15 Pin)(J1)
338-3379-01	1		Grounded Neutral (Includes Parts Marked * and •)	6			*Socket, Contact
			LP (Includes Parts Marked *)		323-1200	9	120V, 220V
338-3022-02	1		50 Hz (Includes Parts Marked * and ♦)		323-1200	7	100V
			Gasoline	7	323-1527-01	1	*Connector, Plug (P6)
338-3023-01	1		LP	8	323-1527-02	1	*Connector, Plug (P5)
338-3023-02	1			9	304-0805-03	1	♦+Resistor, Fixed (10K ohm) (P4-4 to P4-5)
1 321-0312-02	1		*Fuse Assy (F1) (Includes 5A Fuse)	10	338-2807	1	♦+Harness, Splitter (Includes Boot)
				11	167-1636	1	Boot, Insulating

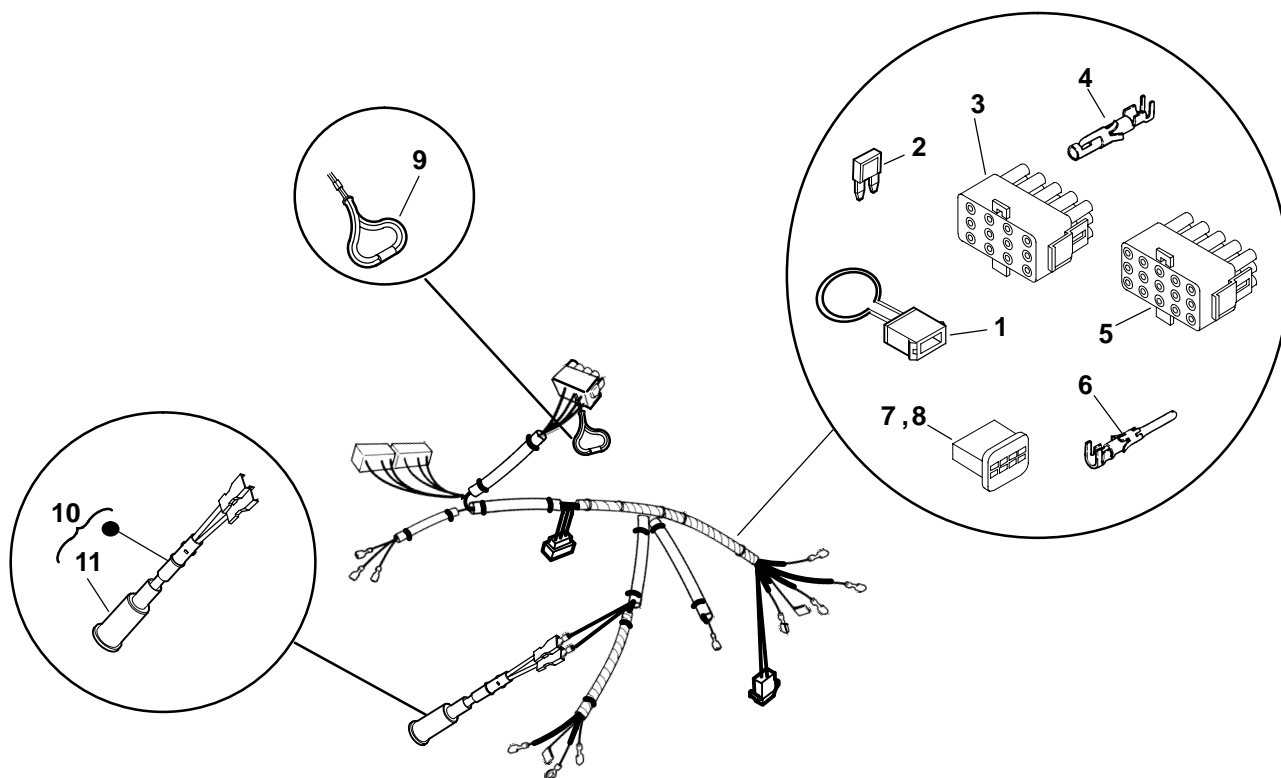
* – Parts Included with all Harnesses

+ – Parts Included in 100V, Isolated Neutral Harness

• – Part Included in 100V, Grounded Neutral Harness

♦ – Part Included in 50Hz Harnesses.

Generator Harness (Spec G-H)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Harness, Generator	1	321-0312-02	1	*Fuse Assy (F1) (Includes 5 Amp Fuse)
			60 Hz	2	321-0307-03	1	*Fuse, 5 Amp (F1)
338-3639-02	1		Gasoline	3	323-1314	1	Connector, Plug (12 Pin)(P4)
			120 Volt (Includes Parts Marked *)	4	323-1199	12	*Pin,Contact
			100 Volt	5	323-1253	1	*Cap, Circuit (15 Pin)(J1)
338-3641-01	1		Isolated Neutral	6			*Socket, Contact
			(Includes Parts Marked * and +)		323-1200	9	120V, 220V
338-3638-01	1		Grounded Neutral		323-1200	7	100V
			(Includes Parts Marked * and •)	7	323-1527-01	1	*Connector, Plug (P6)
338-3639-02	1		LP (Includes Parts Marked *)	8	323-1527-02	1	*Connector, Plug (P5)
			50 Hz	9	304-0805-03	1	♦+Resistor, Fixed (P4-4 to P4-5) (10K ohm, 100V Only)
			Gasoline	10	338-2807	1	♦+Harness Assy, Splitter (Isolated Neutral Harnesses only. Includes Boot)
338-3640-01	1		230 Volt (Includes Parts Marked * and ♦)	11	167-1636	1	Boot, Insulating
338-3661-01	1		100 Volt (Includes Parts Marked * and +)				
			LP				
338-3640-02	1		230V (Includes Parts Marked * and ♦)				
338-3661-02	1		100 Volt (Includes Parts Marked * and +)				

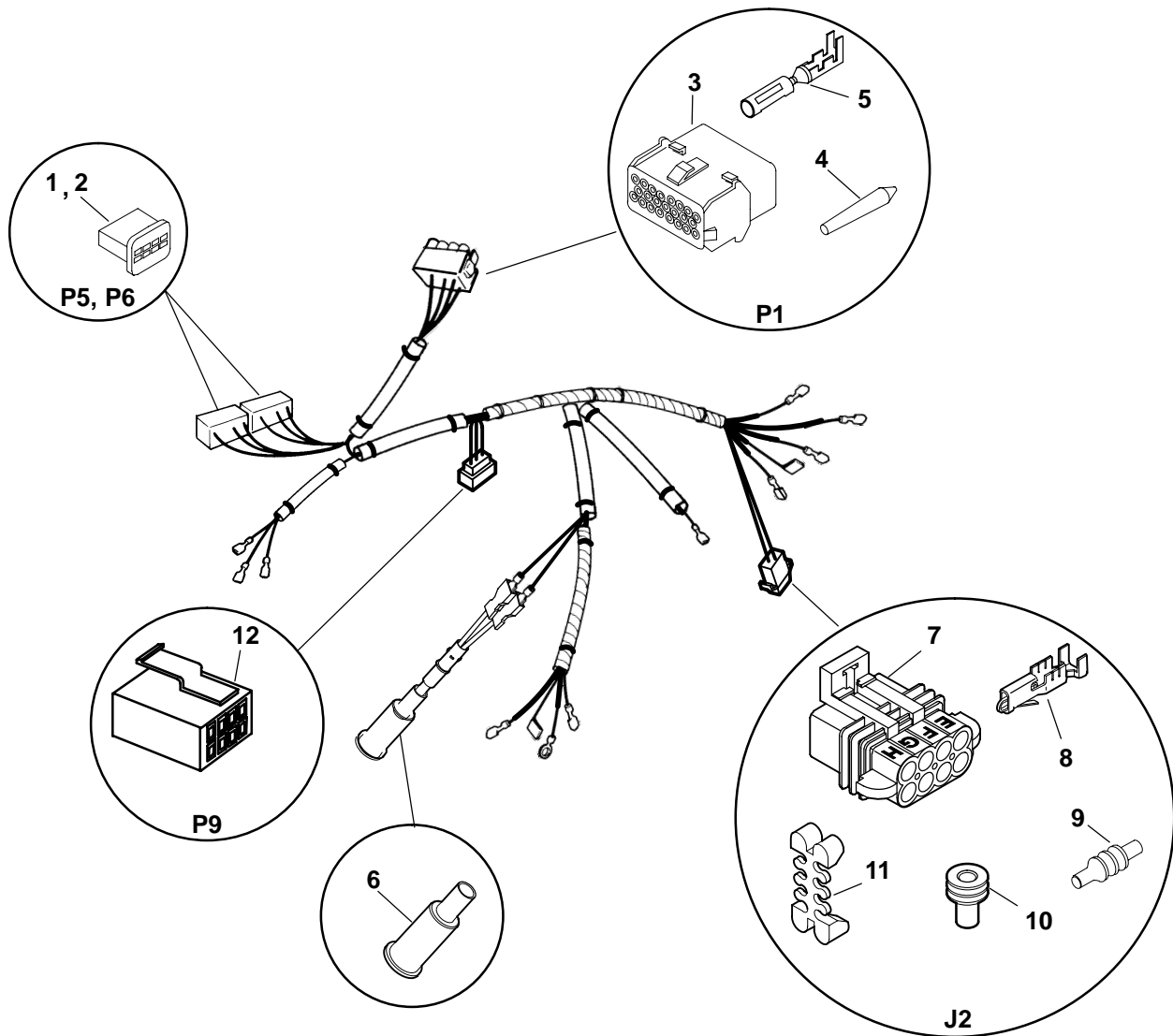
* - Parts Included with all Harnesses

+ - Parts Included with 100V, Isolated Neutral Harness.

• - Part Included in 100V, Grounded Neutral Harness

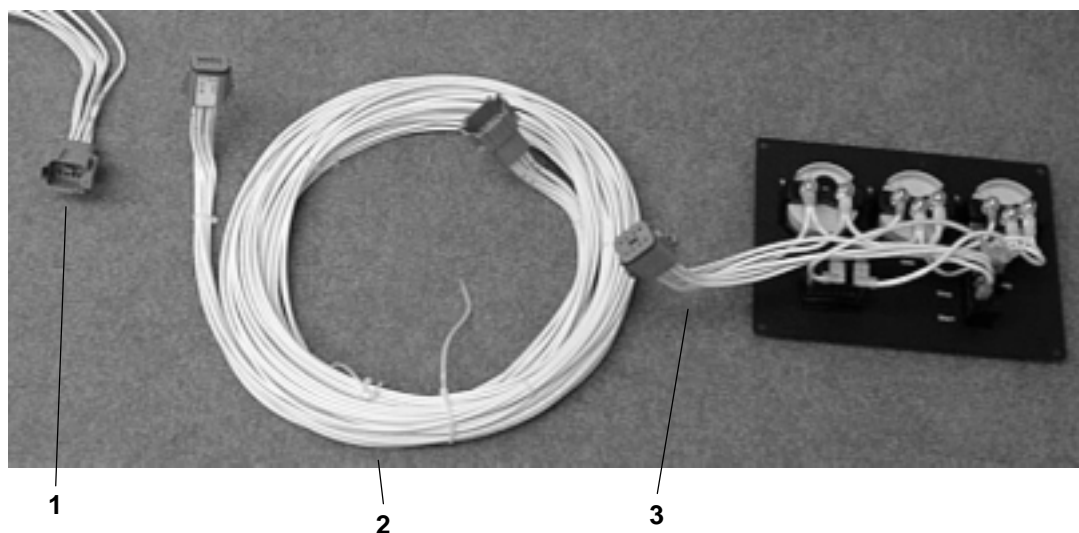
♦ - Part Included in 50Hz Harness.

Generator Harness (Begin Spec J)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Harness, Generator	4	323-1615	5	Plug, Cavity (P1)
			60 Hz	5	323-1614-01	AR	Socket, Terminal (P1)
			Gasoline	6	167-1636	1	Boot, Insulating (Not Used on 338-3812)
			100 Volt	7	323-1743	1	Connector, Plug (J2)(8 Pin)
			120 Volt	8	323-1709	7	Terminal, Socket (J2)
			LP	9	323-1712	1	Plug, Cavity (J2)
			50 Hz	10	323-1708	7	Seal, Cable (J2)
1	323-1527-01	1	Connector, Plug (P6)	11	323-1741	1	Housing, Lock (J2)
2	323-1527-02	1	Connector, Plug (P5)	12	308-1019	1	Connector, Switchch (P9)
3	323-1605-01	1	Connector, Plug (P1) (23 Pin)				

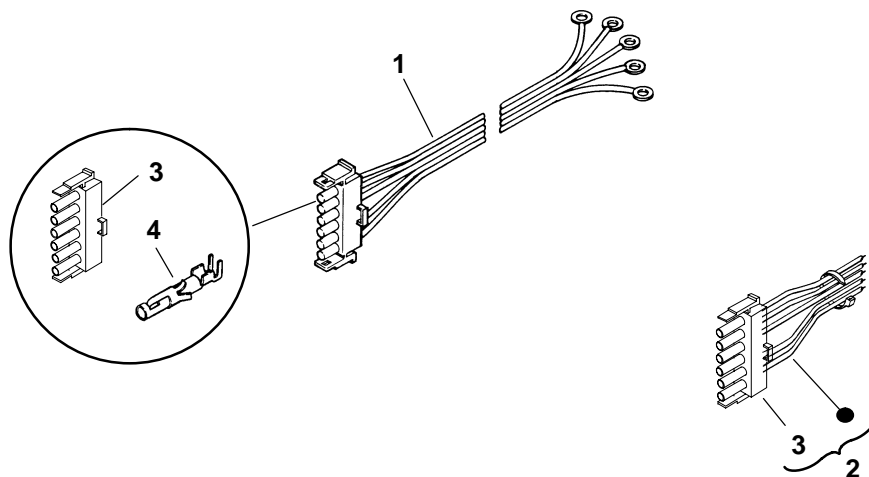
Harness Locations



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	*	–	Harness, Generator (Reaches From Genset Harness to Extension or Customer Interface Pigtail or Adapter Harness)
2	*	–	Harness, Extension (Or Customer Interface Pigtail or Adapter Harness) (Reaches From Genset Harness to Remote Panel Harness or Customer Hookup)
3	*	–	Harness, Remote Panel (Reaches From Remote Panel to Extension Harness)

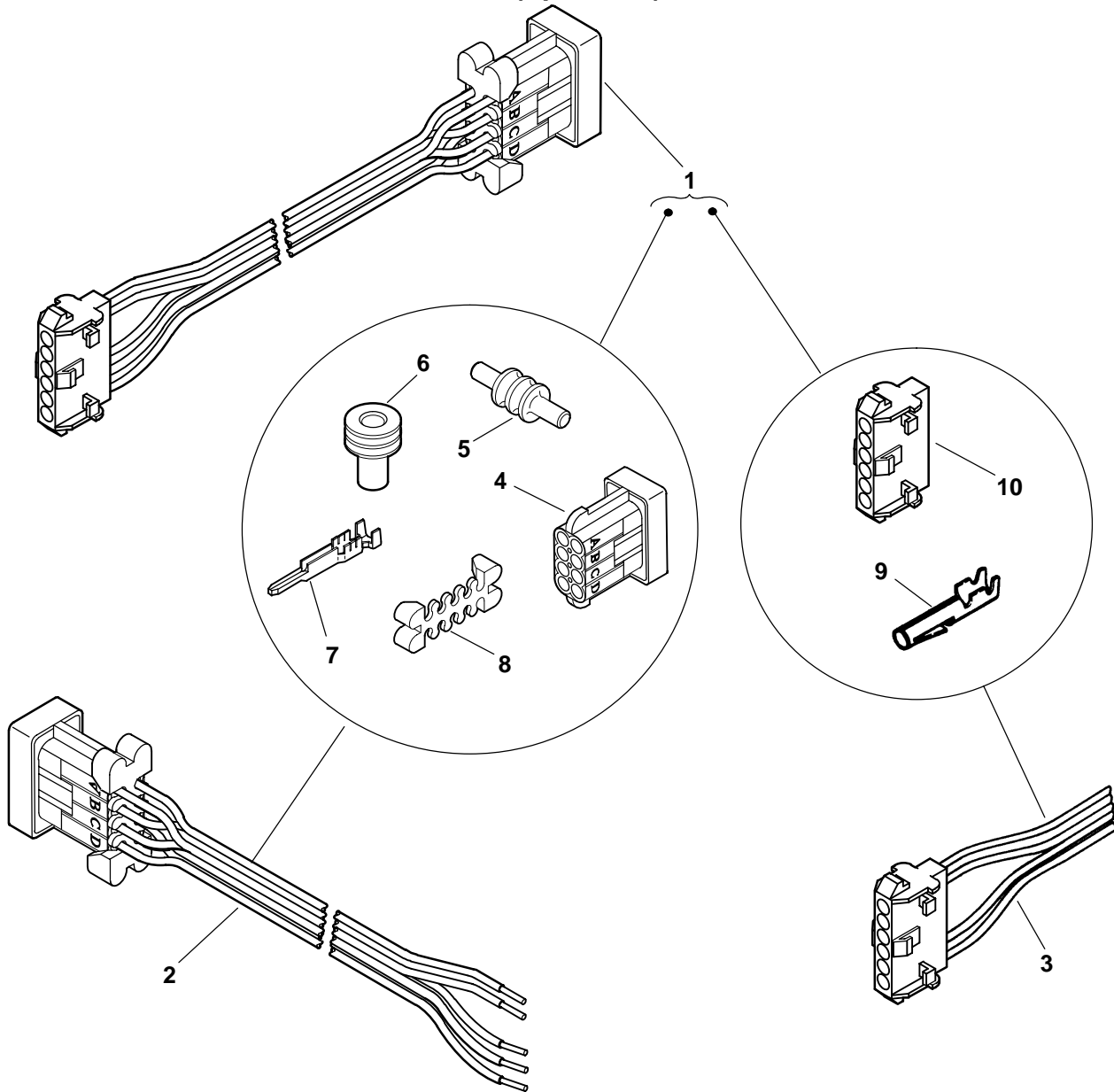
* – See Index for Page Numbers of Detailed Descriptions and Part Numbers.

Extension/Pigtail Harness (Spec B-E)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Extension (Reaches from Genset to Remote Panel) (Includes Housing and Pins)	3	323-1304	1	Housing, Connector
	338-2260-01	1	Ten Feet Long	4	323-1199	5	Pin, Contact
	338-2260-02	1	Thirty Feet Long				
2	338-2046	1	Harness, Pigtail (6") (Reaches from Genset Harness to Customer Hookup) (Includes Connector Housing)				

Extension/Pigtail/Adapter Harness (Spec F–H)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Extension (Reaches from Genset Harness to Remote Panel) (Includes Parts Marked +)
	338-3489-01	1	10'
	338-3489-02	1	30'
2	300-4946	1	Harness, Customer Interface Pigtail (Reaches from Genset Harness to Customer Hookup or Remote Panel [with use of Following Adapter Harness]) (Includes Parts Marked *)

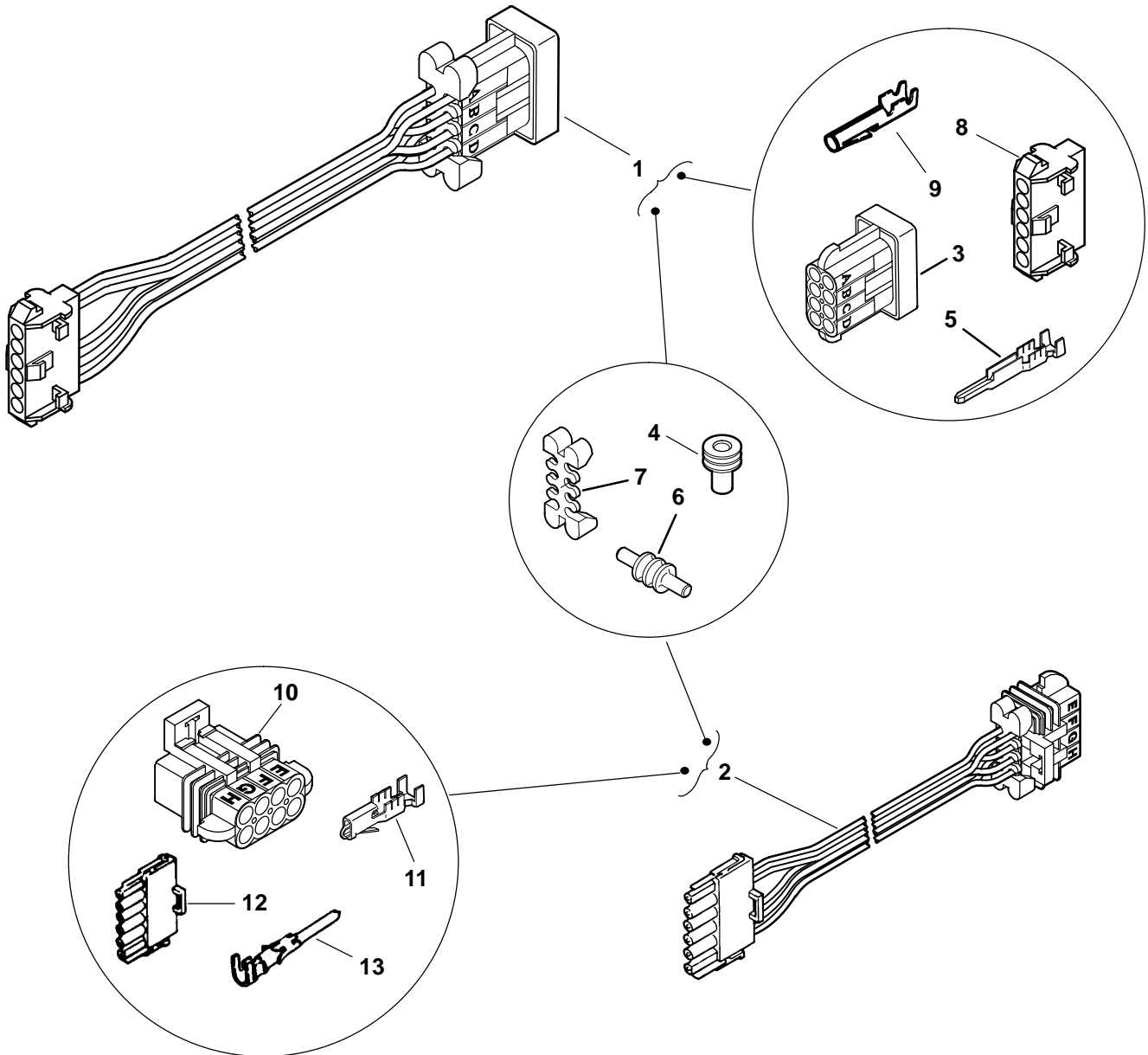
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	338-3572	1	Harness, Adapter (Reaches from Remote Panel to Pigtail Harness) (Includes Parts Marked #)
4	323-1744	1	+*Connector, Receptacle (8 Pin)
5	323-1712	3	+*Plug, Cavity
6	323-1708	5	+*Seal, Cable
7	323-1707	5	*Pin, Contact
8	323-1741	1	+*Housing, Lock
9	323-1200	1	+*Socket, Contact
10	323-1342	1	+*Cap, Connector

+ – Parts Included in Extension Harness.

* – Parts Included in Customer Interface Pigtail Harness.

– Parts Included in Adapter Harness.

**Adapter Harness
(New to Old, Old to New)
(Spec F-H)**

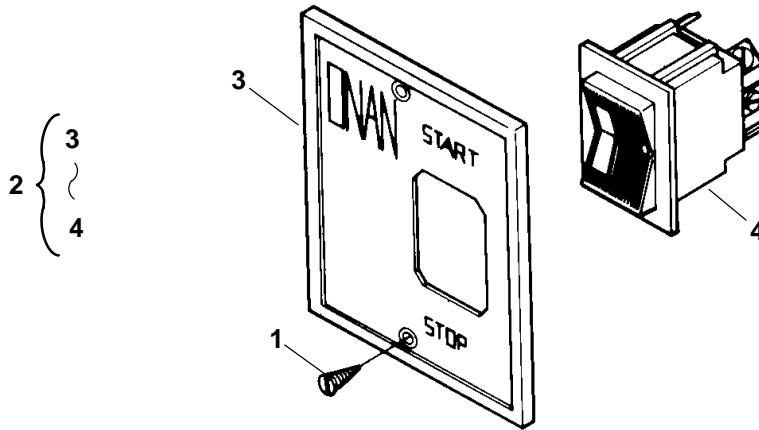


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3513	1	Harness, Remote Panel Adapter (6") (Reaches from New Genset to Old Panel) (Includes Parts Marked *)
2	338-3514	1	Harness, Remote Panel Adapter (6") (Reaches from Old Genset to New Panel) (Includes Parts Marked +)
3	323-1744	1	*Connector, Receptacle (8 Pin)
4	323-1708	5	+*Seal, Cable
5	323-1707	5	*Pin, Contact
6	323-1712	3	+*Plug, Cavity
7	323-1741	1	+*Housing, Lock

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	323-1342	1	*Cap, Connector (6 Pl)
9	323-1200	1	*Socket, Contact
10	323-1743	1	+Connector, Plug (8 Pin)
11	323-1709	5	+Socket, Terminal
12	323-1304	1	+Cap, Connector (6 Pl)
13	323-1199	5	+Pin, Contact

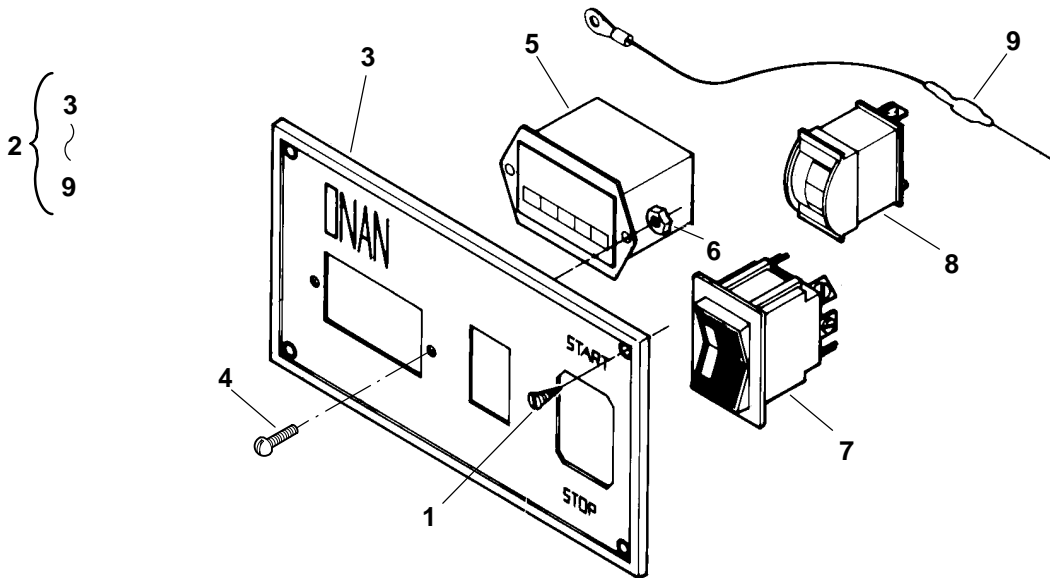
* - Parts Included in Remote Panel Adapter Harness (New Genset to Old Panel).
+ - Parts Included in Remote Panel Adapter Harness (Old Genset to New Panel).

Remote Control Panel (Spec B-E)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-2313	1	Kit, Remote Panel	3	301-3566	1	Panel, Printed
1	815-0380	2	Screw, Oval Head Wood	4	308-0341	1	Switch, Start/Stop (S1)
2	300-0985	1	Panel Assy, Remote (Includes Switch and Panel)				

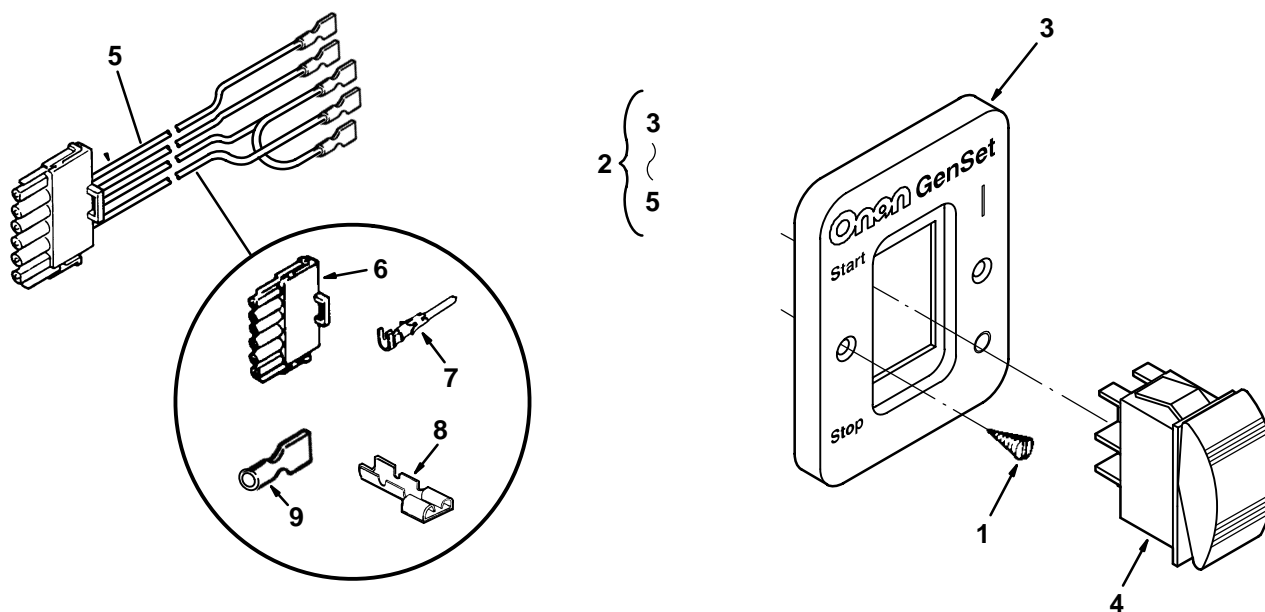
Remote Control Panel (Spec B-E)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-2314	1	Kit, Remote Panel	6	860-0006	2	*Nut, Hex Head (#6-32)
1	815-0380	2	Screw, Oval Head Wood	7	308-0341	1	*Switch, Start/Stop
2	300-0986	1	Panel Assy, Remote (Includes Parts Marked *)	8	302-0888	1	*Meter, Battery Condition (M1)
3	301-3606	1	*Panel, Printed	9	359-0034	1	*Diode
4	815-0385	2	*Screw, Round Head Machine (#6-32 x 1/2")				
5	302-0885	1	*Meter, Hour (M2)				

* - Parts Included in Control Panel.

Remote Control Panel (Switch Only) (Spec F-H)

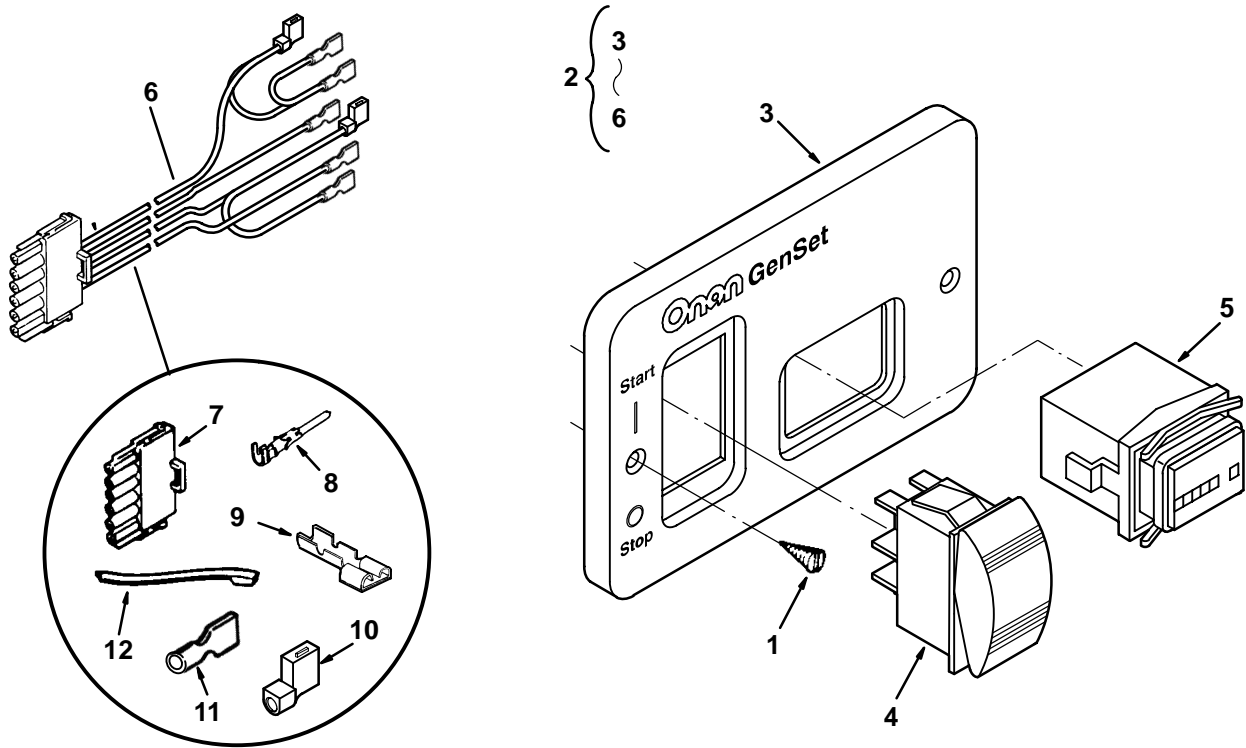


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4936	1	Kit, Remote Panel (Switch Only)
1	815-0910	2	Screw, Wood (#6 x 1")
2	300-4953-01	1	Panel Assy, Remote (Includes Parts Marked ^)
3	319-2339-01	1	^Panel, Printed
4	308-1062	1	^Switch, Start/Stop
5	338-3510	1	^Harness, Remote Panel (Reaches from Remote Panel to Extension Harness) (Includes Parts Marked #)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	323-1304	1	#Plug, 6-Pin
7	323-1199	4	#Pin, Contact
8	332-0529	3	#Terminal, Receptacle (.25)
9	332-2870-01	2	#Terminal, Receptacle (.25)

^ - Parts Included in Remote Panel Assy.
- Parts Included in Remote Panel Harness.

Remote Control Panel (Switch and Hourmeter) (Spec F-H)

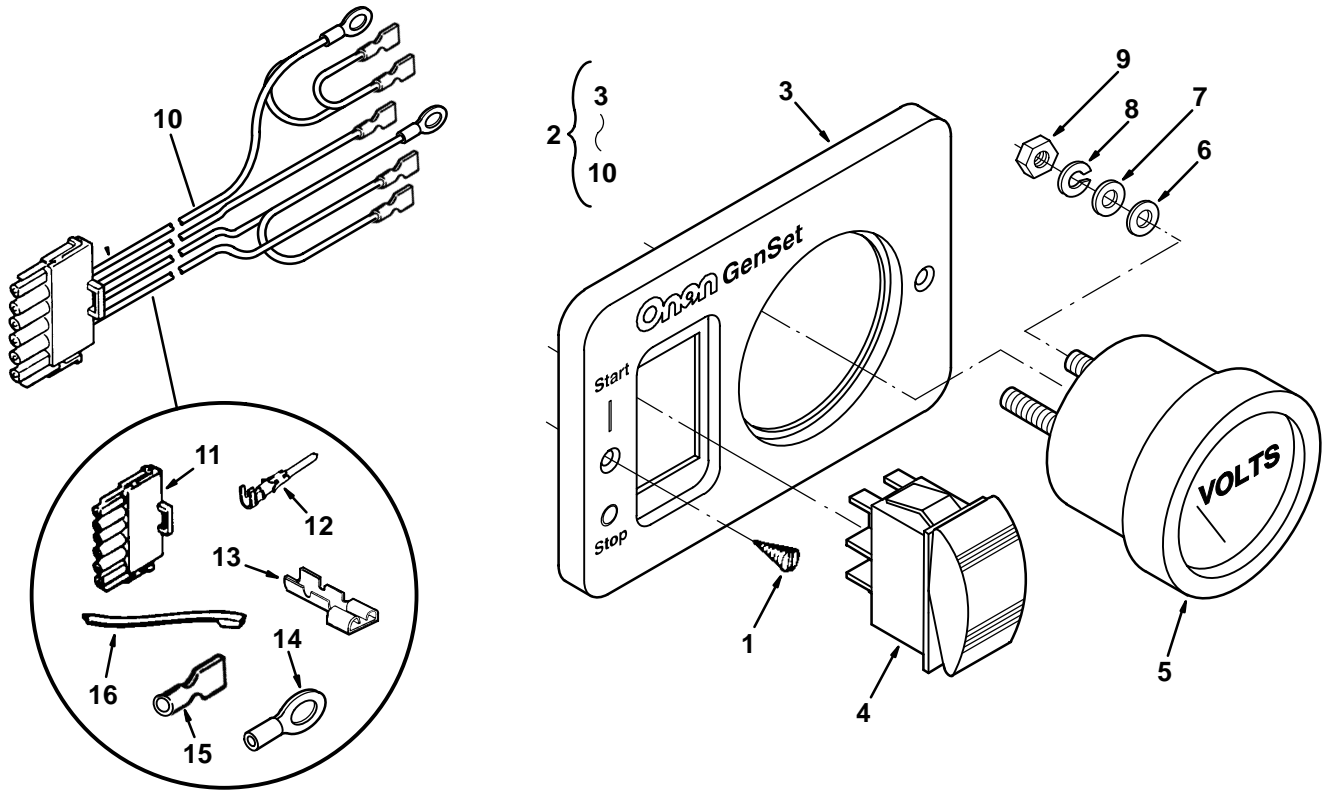


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4937	1	Kit, Remote Panel (Switch and Hourmeter)
1	815-0910	2	Screw, Wood (#6 x 1")
2	300-4951-01	1	Panel Assy, Remote (Includes Parts Marked ^)
3	319-2340-03	1	^Panel, Printed
4	308-1062	1	^Switch, Start/Stop
5	302-2002	1	^Meter, Hour
6	338-3466	1	^Harness, Remote Panel (Reaches from Remote Panel to Extension Harness) (Includes Parts Marked #)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	323-1304	1	#Plug, 6-Pin
8	323-1199	4	#Pin, Contact
9	332-0529	4	#Terminal, Receptacle (.25)
10	332-2572	2	#Terminal, Receptacle (90 Deg.)
11	332-2870-01	1	#Terminal, Receptacle (.25)
12	332-1445	AR	#Tie, Cable

^ - Parts Included in Remote Panel Assy.
- Parts Included in Remote Panel Harness.

Remote Control Panel (Switch and Voltmeter) (Spec F–H)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300–4938	1	Kit, Remote Panel (Switch and Voltmeter)
1	815–0910	2	Screw, Wood (#6 x 1")
2	300–4952–01	1	Panel Assy, Remote (Includes Parts Marked ^)
3	319–3132–02	1	^Panel, Printed
4	308–1062	1	^Switch, Start/Stop
5	302–1641	1	^Meter, Volt
6	526–0409	2	^Washer, Nylon Flat (#10)
7	526–0049	4	^Washer, Brass Flat (#10)
8	850–0030	2	^Washer, Lock (#10)
9	871–0010	4	^Nut, Hex Brass Machine (#10–32)
10	338–3507	1	^Harness, Remote Panel (Reaches from Remote Panel to Extension Harness) (Includes Parts Marked #)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	323–1304	1	#Plug, 6–Pin
12	323–1199	4	#Pin, Contact
13	332–0529	3	#Terminal, Receptacle (.25)
14	332–0807	2	#Terminal, Ring (#10)
15	332–2870–01	5	#Terminal, Receptacle (.25)
16	332–1445	AR	#Tie, Cable

^ – Parts Included in Remote Panel Assy.
– Parts Included in Remote Panel Harness.

Labels

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
98-6242		1	Label, Air Filter (Spec A)				Label Pkg
98-6539-01		1	Label, Caution (Hot Exhaust Pipe) (Spec A)	98-7282-01	1		60Hz 120V (Includes Labels Marked *)
98-6477		1	Label, Caution (Recirculating Hot Air)	98-7282-02	1		100V Includes Labels Marked •)
98-6783		1	Label, Control (Stop/Start/ Amp) (120V Sets) (Spec B-H)	98-7282-03	1		50Hz (Includes Labels Marked #)
98-6762		1	Label, Important (Service Door)				Label, Air Filter
98-6596-01		1	Label, Logo (Tracker) (Spec 11320)	98-6769	1	•*	60 Hz
			Label, Model Identification Spec A-H	98-6519	1	#	50 Hz
98-6288-01		1	MicroLite 4000				Label, Caution (Recirculating Hot Air)
98-6288-02		1	MicroLite 3600	98-6540-01	1	•*	60 Hz
98-6288-03		1	MicroLite 3600LP	98-6817	1	#	50 Hz
98-6288-04		1	MicroLite 3300LP	98-6806	1	#•	Label, Charger (Disconnect Leads) (50 Hz and 100V/60Hz)
			Begin Spec J	98-6805	1	#•	Label, Charger Leads (Disconnect Leads) (50 Hz and 100V/60Hz)
98-7620-01		1	MicroQuiet 4000				Label, Control (Amperage)
98-7620-02		1	MicroQuiet 3600	98-6518-01	1	#•	5A (50 Hz and 100V/60Hz)
98-7620-03		1	MicroQuiet 3600LP	98-6518-02	1	#	15A (50 Hz Sets)
98-7620-04		1	MicroQuiet 3300LP	98-6518-03		•	20A (100V/60Hz)
98-6756-01		1	Label, Service Panel (Closed Right) (Spec A)				Label, Ground
98-6756-02		1	Label, Service Panel (Closed Left) (Spec A)	98-6476	1	•*	60 Hz
			Label, Warning (Installation Clearance)	98-6522	1	#	50 Hz
98-6289		1	Spec A				Label, Warning (Exhaust Gas/Combustion Source)
98-6526-01		1	Spec B-H	98-6434	1	•*	60 Hz
98-7640-01		1	Begin Spec J	98-6520	1	#	50 Hz
			Labels, Control Panel (Begin Spec J)	98-6447	1	•*	60 Hz
			60Hz	98-6521	1	#	50 Hz
98-7634-03		1	120V (Includes Labels Marked +)				Label, Warning (Rotating Fan)
98-7634-01		1	100V (Includes Labels Marked ↓)				
98-7634-02		1	50Hz (Includes Labels Marked >)				
			Label, Circuit Breaker				
98-7629-01		1	↓ 17A, 2 Pole				
98-7629-02		1	> 20A, 2 Pole				
98-7629-03		1	+ 30A, 1 Pole				
98-7630		1	↓>+Label, Indicator Light				
98-7631		1	↓>+Label, Start/Stop/Prime				

+- Labels Included in 120V/60Hz Control Labels Assy.
 ↓ - Labels Included in 100V/60Hz Control Labels Assy.
 >- Labels Included in 50Hz Control Labels Assy.
 * - Labels Included in 120V/60Hz Label Pkg.
 • - Labels Included in 100V/60Hz Label Pkg.
 # - Labels Included in 50Hz Label Pkg.

Kits, Paint

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	155-2883	1	Kit, Tailpipe Hanger – Includes the Following:		110-3749	1	Gasket, Cyinder Head
	155-2860	1	Insulator, Exhaust		110-3861	1	Gasket, Valve Cover
	155-2861	2	Clamp, Exhaust		140-2586	1	Gasket, Air Cleaner
	800-0031	2	Screw, Hex Head Cap (5/16-18 x 1-1/2")		145-0695	1	Gasket, Carburetor Flange
	155-2859	3	Backplate, Exhaust		146-0531	1	Gasket, Insulator
	800-0026	1	Screw, Hex Head Cap (5/16-18 x 3/4")		146-0533	1	Gasket, Carburetor
	862-0015	2	Nut, Hex (5/16")		154-2816	1	Gasket, Exhaust
	155-2887	1	Kit, Exhaust Elbow – Includes the Following:		154-2821	1	Gasket, Intake Elbow
	155-2886	1	Elbow, Exhaust Adapter		155-2677-01	1	Gasket, Resonator
	155-1256	1	Clamp		541-0525	1	Kit, Set Mounting – Includes the Following:
	098-6859	1	Label, Warning		403-4142-02	1	Bracket, Set Mounting
	168-0213	1	Kit, Gasket – Includes the Following:		402-0717	4	Isolator, Set
	101-0788	1	Gasket, Bearing Plate		526-0333	4	Washer, Flat
	102-1412	1	Gasket, Oil Base		800-0033	4	Screw, Hex Head Cap (5/6-18 x 2")
					305-0979	1	Kit, Remote Adapter
					525-0305	–	Paint, Green – Enamel (13 oz. Pressurized Spray Can)

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