

Onan

RV GenSet

Parts Manual

BGE, BGEL

Emerald Series



Printed in U.S.A.

965-0231

1-98 (BGE Spec F-P) (BGEL Spec E)

Replaces 2-94 (BGE Spec F-K) (BGEL Spec 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.



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 catalog applies to the standard BGE/BGEL Recreational Vehicle Generator Sets as listed in the Generator Set Data Table. 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. Unless otherwise mentioned in the description, parts are interchangeable between models. 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 (front) of the set. Generator Set Data Table

MODEL NUMBER	MOUNTING		VOLTS	HERTZ	WIRE	FUEL
	LOCATION					
3.5BGEL-53CR/31813	Above Floor		120/240	50	4	LP Liquid
3.5BGEL-53CR/31814E	Below Floor		120/240	50	4	LP Liquid
4.0BGEL-1R/26110E	Above Floor		120	60	2	LP Liquid
4.0BGEL-1R/26111E	Below Floor		120	60	2	LP Liquid
3.5BGE-53CR/29236F	Above Floor		120/240	50	4	Gasoline
3.5BGE-53CR/29237F	Below Floor		120/240	50	4	Gasoline
3.5BGE-FN/31813	Above Floor		115/230	50	3	LP Liquid
3.5BGE-FN/31814	Below Floor		115/230	50	3	LP Liquid
4.0BGE-1R/26100	Above Floor		120	60	2	Gasoline
4.0BGE-1R/26101	Below Floor		120	60	2	Gasoline
4.0BGE-FR/26103	Above Floor		100	60	2	Gasoline
4.0BGE-FR/26104	Below Floor		100	60	2	Gasoline
4.0BGE-1R/26109	Below Floor		120	60	2	NHE Drip Pan – Gasoline
4.0BGE-FA/26110	Above Floor		120	60	2	LP Liquid
4.0BGE-FA/26111	Below Floor		120	60	2	LP Liquid
4.0BGE-FN/29236	Above Floor		115/230	50	3	Gasoline
4.0BGE-FN/29237	Below Floor		115/230	50	3	Gasoline
4.0BGE-FN/37593	Below Floor		115/230	50	3	NHE Drip Pan – Gasoline
4.0BGE-FA/55215	Above Floor		120	60	2	Gasoline
5.0BGE-FA/26100	Above Floor		120	60	2	Gasoline
5.0BGE-FA/26101	Below Floor		120	60	2	Gasoline

* – The diagonal line (/) in the model and specification number separates generator set characteristics from the specification number and letters. The specification number denotes customer requested options or deviations from a standard (1A, 1B, etc.) model. The specification letter advances (A, to B, to C, etc.) with major manufacturing changes.

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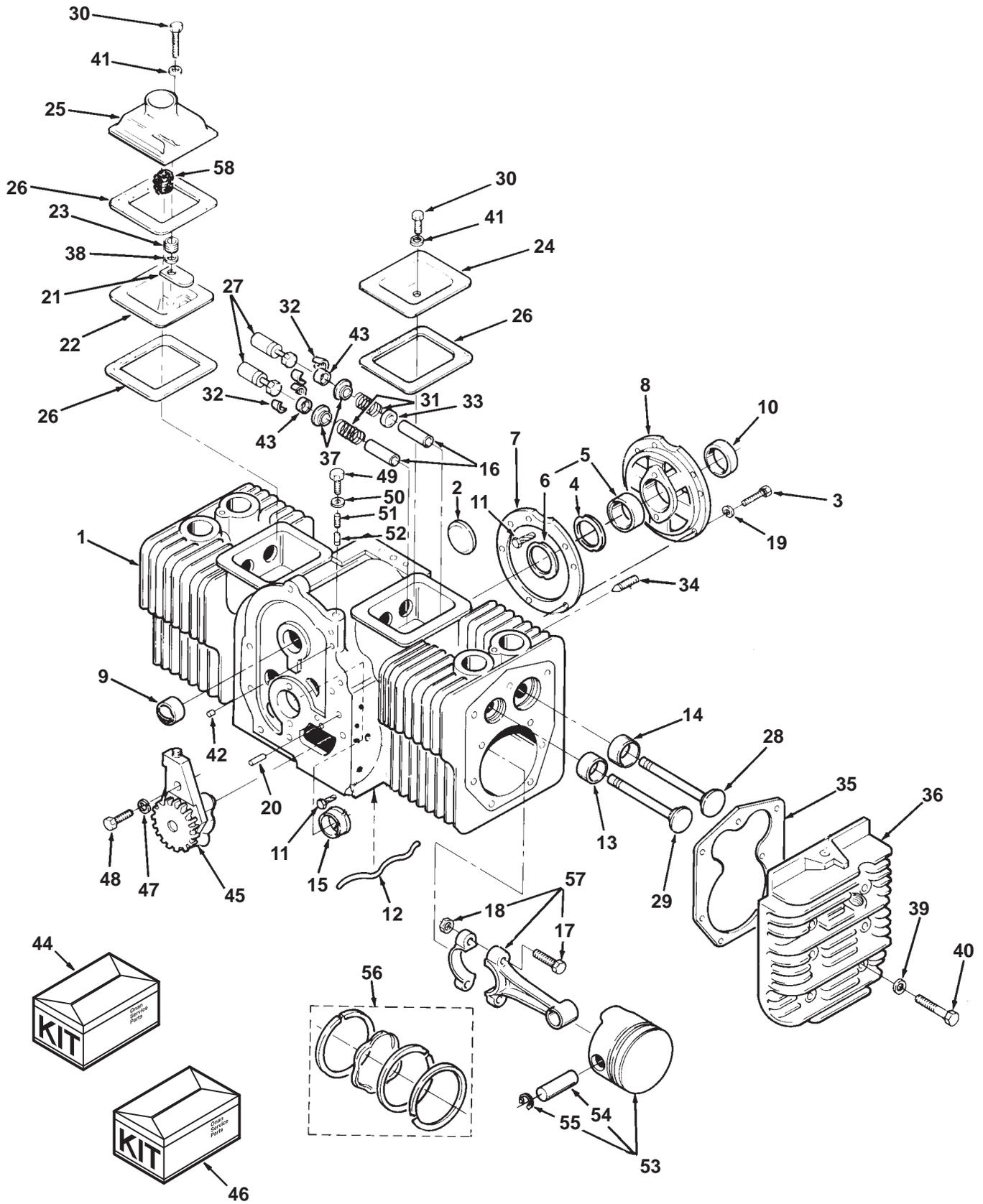
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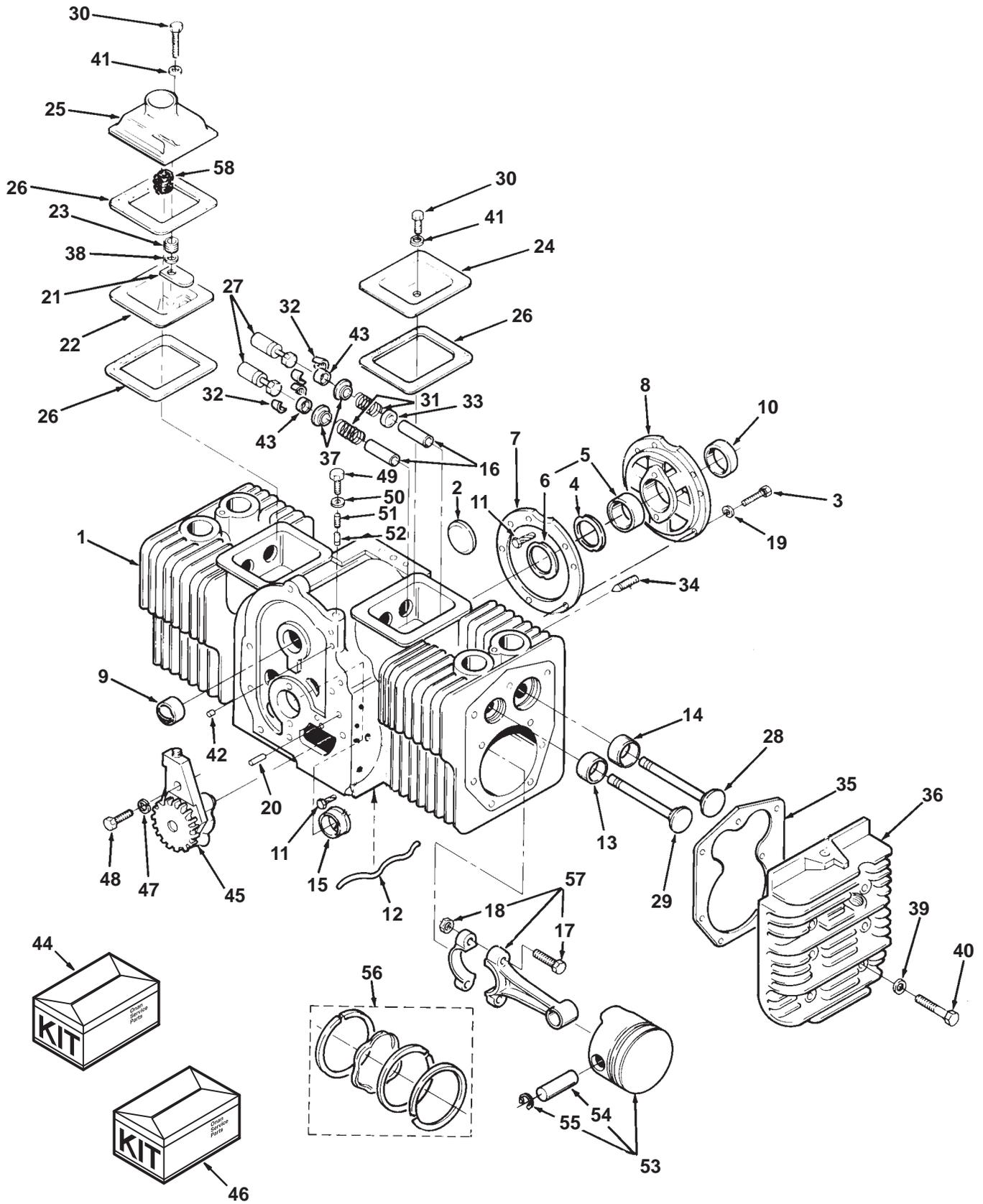
Cylinder Block



Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Block, Cylinder (See Short Block Catalog #932-0109)	26	110-3709	3	Gasket, Cover – Valve
2	517-0048-01	1	Plug, Welch – Camshaft	27			Tappet, Valve
3			Screw, Cap		115-0006	4	Standard
	800-0575	5	Spec F–H, Flanged Head (3/8–16 x 1–1/8")		115-0006-02	4	.002" Oversize
					115-0006-05	4	.005" Oversize
	800-0051	5	Begin Spec J, Hex Head (3/8–16 x 1–1/4")	28	110-3479	2	Valve, Intake
				29			Valve, Exhaust
4	104-0776	1	Shim, End Play – Crankshaft		110-3480	2	Stellite
5			Bearing, Crankshaft – Rear (Includes Thrust Washer)		110-3515	2	Standard
				30	800-0010	2	Screw, Cap – Hex Head (1/4–20 x 1–3/4")
	101-0804	1	Standard	31	110-3485	4	Spring, Valve
	101-0804-02	1	.002" Undersize	32	110-3511	8	Lock, Spring – Valve
	101-0804-10	1	.010" Undersize	33	509-0289	2	Seal, Valve – Intake
	101-0804-20	1	.020" Undersize	34	803-0071	2	Screw, Set – Socket (3/8–16 x 5/8")
	101-0804-30	1	.030" Undersize				
6	104-0575	2	Washer, Thrust	35	110-3181	2	Gasket, Head – Cylinder
7	101-0809	1	Gasket, Plate – Bearing	36			Head, Cylinder
8	101-0439-01	1	Plate, Bearing – Rear		110-3509	1	Right Side
9	101-0405	2	Bearing, Camshaft		110-3508	1	Left Side
10	509-0041	1	Seal, Oil – Crankshaft Rear	37	110-3487	4	Washer, Retaining – Valve Spring
11	516-0072	4	Pin, Drive – Bearing Stop				
12	120-1320	1	Tube, Oil – Cylinder Block	38	526-0018	1	Washer, Flat (1/4")
13			Insert, Valve Seat – Exhaust	39	526-0122	18	Washer, Flat (5/16")
	110-1824	2	Standard	40	800-0571	18	Screw, Cap – Hex Head (5/16–18 x 2–1/4")
	110-1824-02	2	.002" Oversize				
	110-1824-05	2	.005" Oversize	41	526-0063	2	Washer, Flat – Copper (1/4")
	110-1824-10	2	.010" Oversize	42	517-0067	1	Plug, Hole – Core
	110-1824-25	2	.025" Oversize	43	110-3510	4	Cap, Valve
14			Insert, Valve Seat – Intake	44			Kit, Gasket
	110-0197	2	Standard		168-0189	1	Carbon Removal/Valve Grind
	110-0197-10	2	.010" Oversize		168-0192	1	Engine, Complete
15			Bearing, Crankshaft – Front	45	120-0491	1	Pump, Oil
	101-0805	1	Standard	46	120-0161	1	Kit, Gasket – Oil Pump
	101-0805-02	1	.002" Undersize	47	740-1004	2	Washer, Flat (M6)
	101-0805-10	1	.010" Undersize	48	800-0007	2	Screw, Cap – Hex Head (1/4–20 x 1")
	101-0805-20	1	.020" Undersize				
	101-0805-30	1	.030" Undersize	49	801-0049	1	Screw, Cap – Hex Head (3/8–24 x 7/8")
16			Guide, Valve				
	110-3527	2	Exhaust	50	526-0066	1	Washer, Flat – Copper (3/8")
	110-3526	2	Intake	51	120-0140	1	Spring, Valve – Bypass
17	114-0392	4	Bolt, Rod – Connecting	52	120-0398	1	Plunger, Valve – Bypass
18	870-0533	4	Nut, Self-Locking (5/16–24)	53			Piston (Includes Pin and Retaining Rings)
19			Washer				
	850-0050	5	Spec F–H, Lock (3/8")		112-0264	2	Standard
	526-0402	5	Begin Spec J, Flat (3/8")		112-0264-05	2	.005" Oversize
20	516-0141	2	Pin, Alignment – Gear Cover		112-0264-01	2	.010" Oversize
21	123-1175	1	Reed, Valve – Breather		112-0264-02	2	.020" Oversize
22	123-1173	1	Baffle, Valve – Breather		112-0264-03	2	.030" Oversize
23	123-1174	1	Spring, Valve – Breather	54	112-0229	2	Pin, Piston
24	110-1879-01	1	Cover, Valve – Right Hand	55	518-0311	4	Ring, Retaining
25	123-1649	1	Housing, Breather				

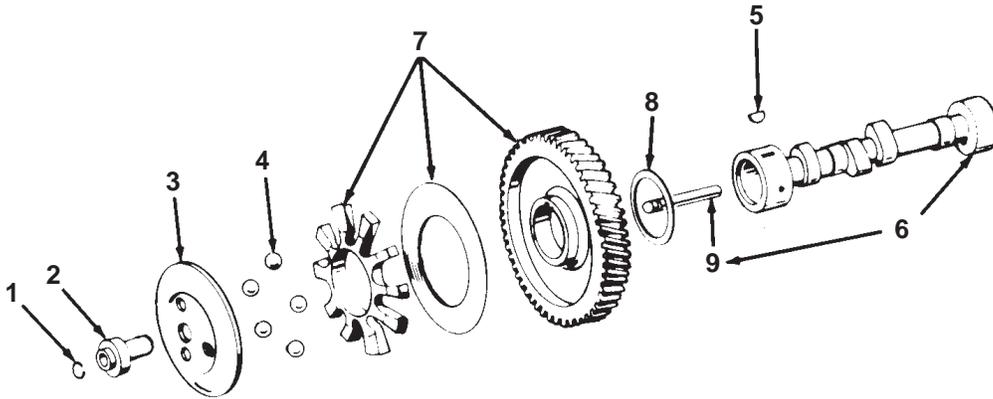
Cylinder Block



Cylinder Block

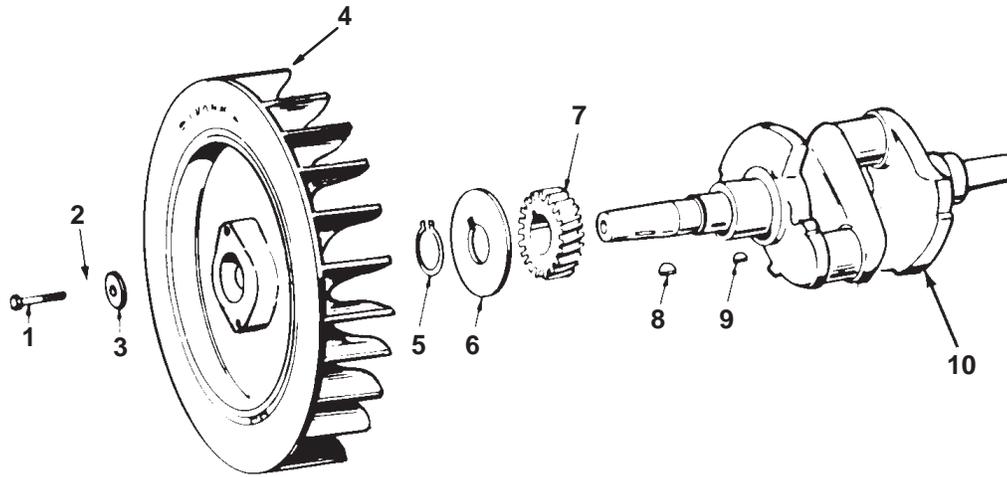
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
56			Kit, Ring – Piston Specs E–H	57			Rod, Connecting (Includes Bolt and Nut)
	113-0314	2	Standard		114-0397	2	Standard
	113-0314-05	2	.005" Oversize		114-0397-10	2	.010" Undersize
	113-0314-10	2	.010" Oversize		114-0397-20	2	.020" Undersize
	113-0314-20	2	.020" Oversize		114-0397-30	2	.030" Undersize
	113-0314-30	2	.030" Oversize	58	123-1871	1	Filter, Tube – Breather
			Begin Spec J				
	113-0310	2	Standard				
	113-0310-05	2	.005" Oversize				
	113-0310-01	2	.010" Oversize				
	113-0310-02	2	.020" Oversize				
	113-0310-03	2	.030" Oversize				

Camshaft



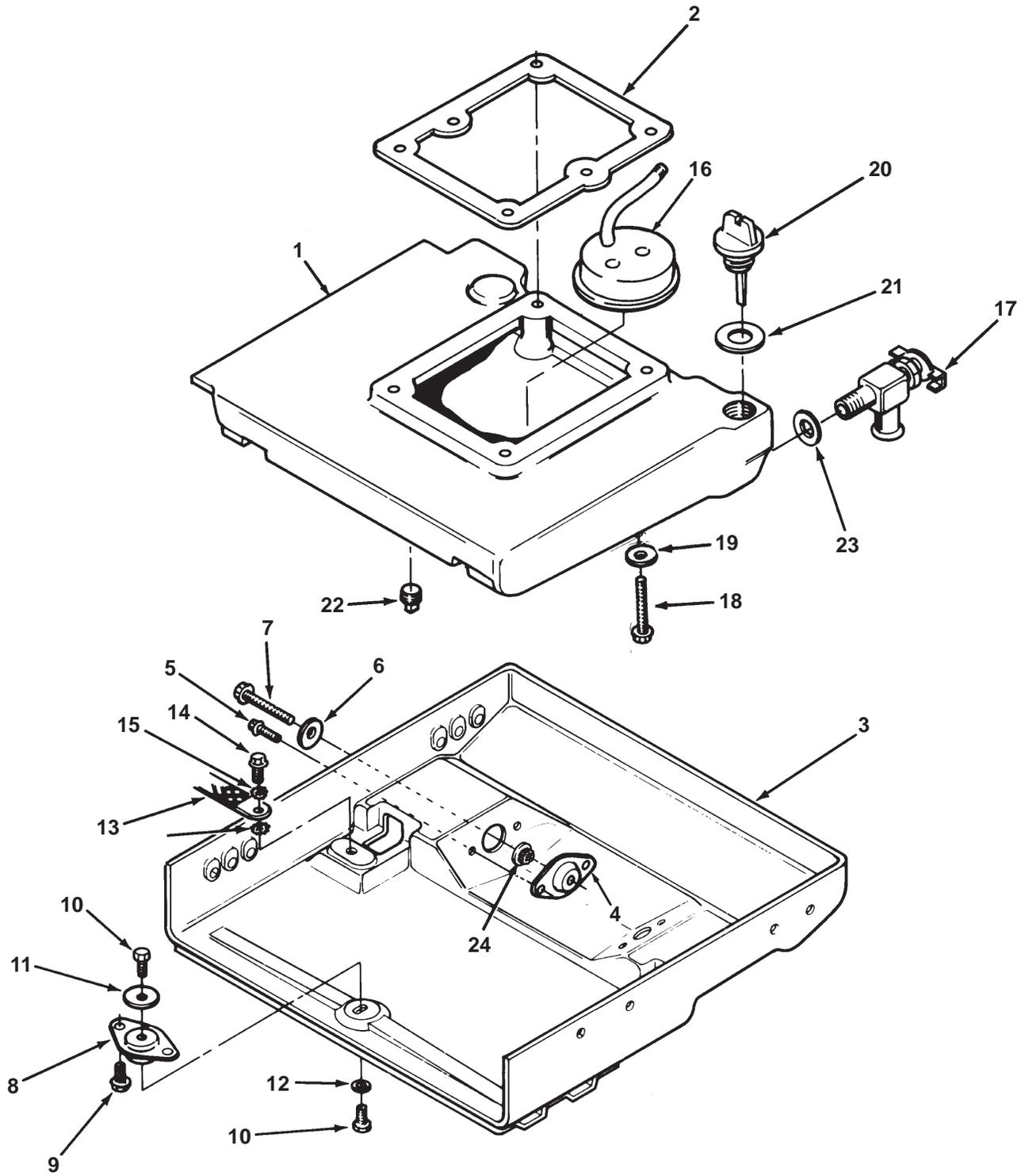
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0078	1	Ring, Retaining	6	105-0637	1	Camshaft (Includes Center Pin)
2	150-1519	1	Hub, Cup - Governor	7	105-0700	1	Gear, Camshaft (Includes Gear, Spacer and Plate)
3	150-1520	1	Cup and Bushing, Governor	8	105-0541	1	Washer, Thrust
4	510-0015	10	Ball, Governor	9	150-0075	1	Pin, Center - Camshaft
5	515-0001	1	Key, Woodruff				

Crankshaft and Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-0170	1	Screw, Cap – Hex Head	6	104-0043	1	Washer, Gear
2	526-0356	1	Washer, Flat (7/16")	7	104-0032	1	Gear, Crankshaft
3	526-0017	1	Washer, Flat (7/16")	8	515-0263	1	Kit, Key – Blower Wheel
4	134-4342	1	Wheel, Blower	9	515-0001	1	Key, Gear – Crankshaft
5	518-0014	1	Ring, Retaining	10	104-1735	1	Crankshaft (Includes Keys)

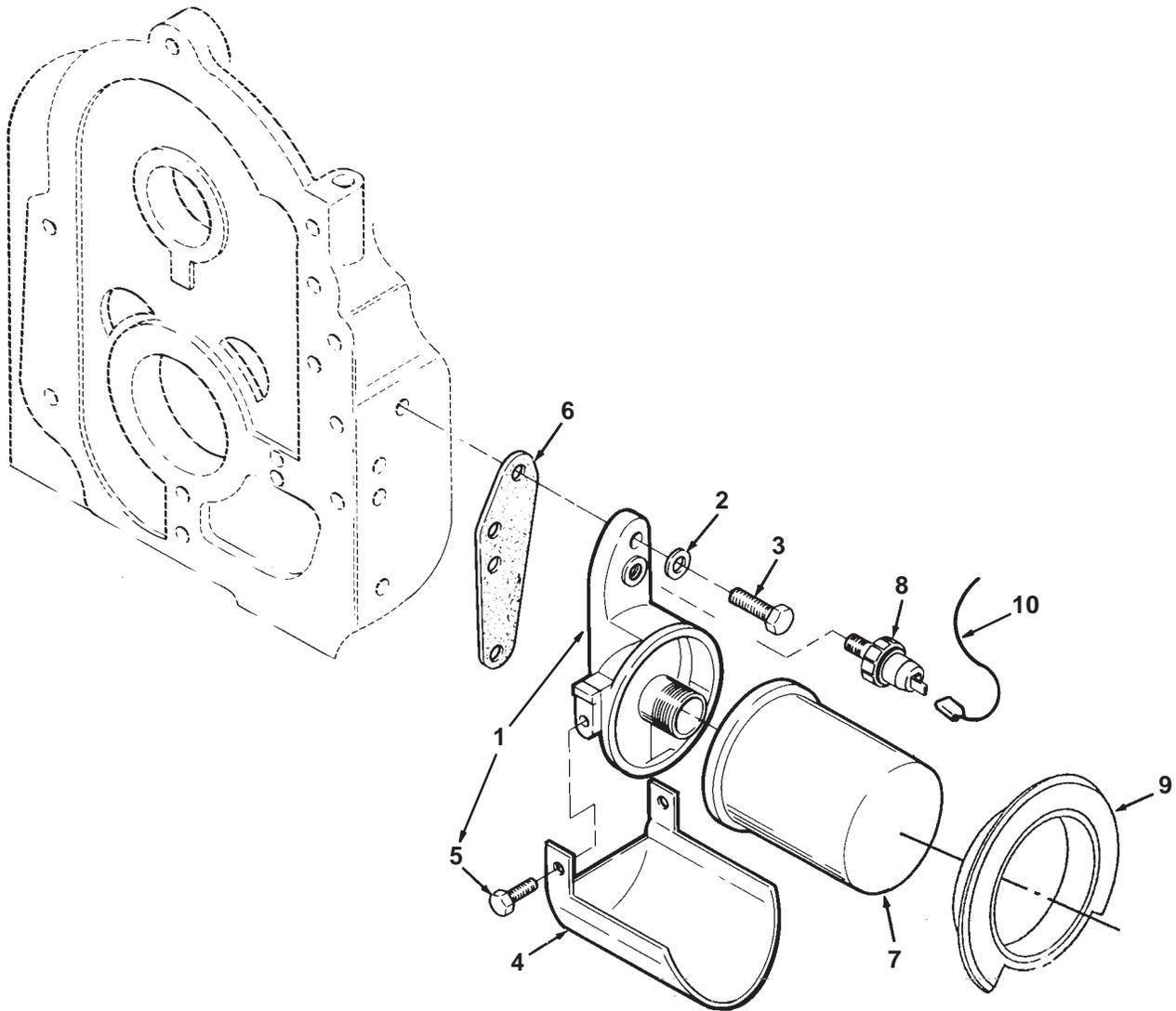
Oil Base and Mounting Hardware



Oil Base and Mounting Hardware

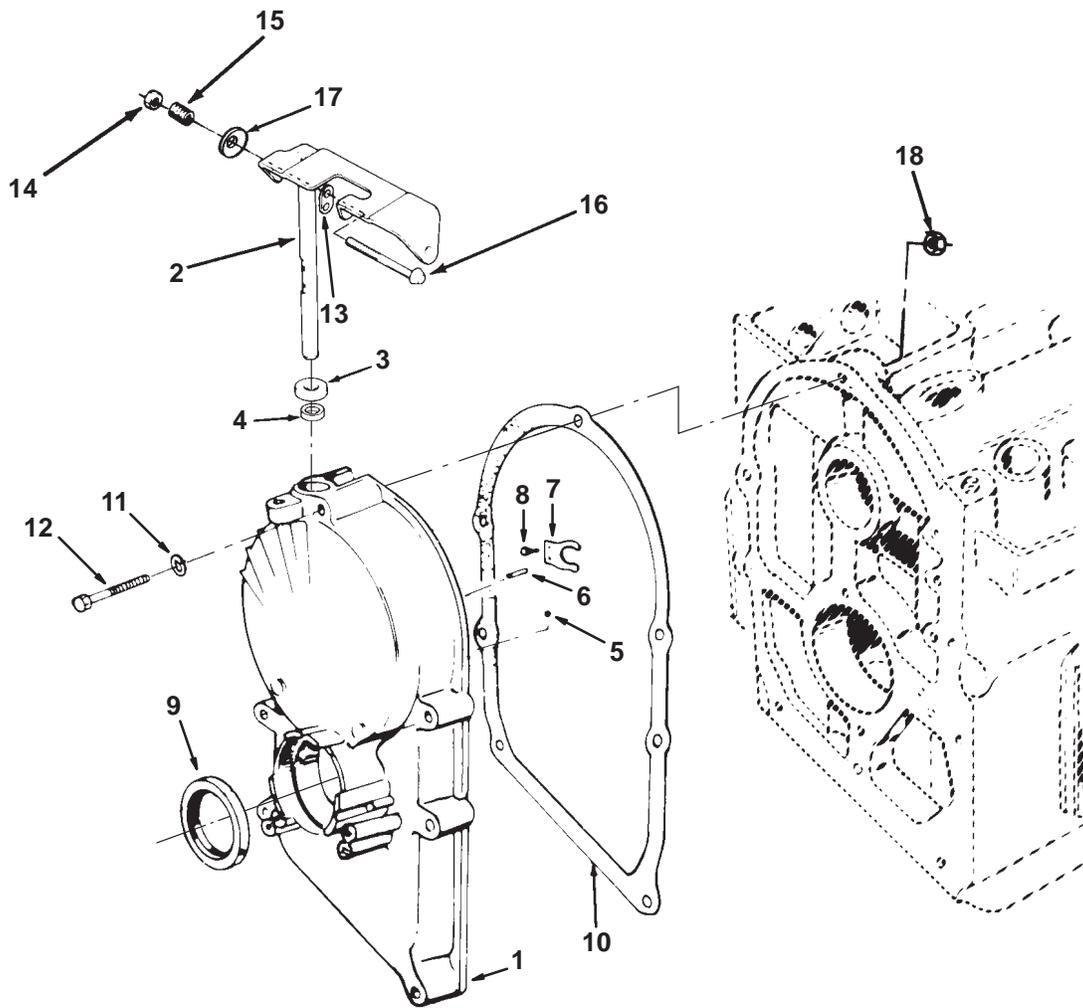
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1286	1	Base, Oil Spec F-M	10	821-0031	2	Screw, Hex Washer Head – Self Locking (3/8-16 x 3/4")
	102-1458	1	Begin Spec N	11	526-0324	1	Washer, Flat (5/16")
2	102-1387	1	Gasket, Base – Oil	12	526-0240	1	Washer, Flat (3/8")
3			Pan, Drip	13	337-2311	1	Strap, Ground
	403-2557-02	1	Above Floor Models	14	821-0014	1	Screw, Hex Washer Head – Self Locking (5/16-18 x 1/2")
	-	1	Below Floor Models (See Below Floor Housing Pages)	15	856-0008	2	Washer, Lock – EIT (5/16")
	403-2218-01	1	Begin Spec J	16	123-1616	1	Cup, Intake – Oil Pump (Includes Pipe And Cup)
4	402-0597	2	Isolator, Vibration – Generator End	17	504-0150	1	Valve, Drain – Oil
5	821-0010	4	Screw, Hex Washer Head – Self-Locking (1/4-20 x 1/2")	18	800-0058	4	Screw, Cap – Hex Head (3/8-16 x 3")
6	526-0325	2	Washer, Flat (3/8")	19	526-0251	4	Washer, Flat (3/8")
7	815-0657	2	Screw, Hex Head – Thread Form (3/8-16 x 2-3/4")	20	123-1961	1	Cap, Fill – Oil
8	402-0549	1	Isolator, Vibration – Engine End	21	509-0096	1	O'Ring, Cap – Oil Fill
				22	505-0266	1	Plug, Drain – Oil (3/8")
9	821-0016	2	Screw, Hex Washer Head – Self Locking (5/16-18 x 3/4")	23	102-0743	1	Gasket, Drain – Oil
				24	402-0547	2	Snubber, Isolator

Oil Filter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0814	1	Adapter, Filter – Oil (Includes Screws)	7	122-0645	1	Filter, Oil
2	526-0065	2	Washer, Flat – Copper (5/16")	8	309-0322	1	Switch, Pressure – Low Oil
3	800-0028	2	Screw, Cap – Hex Head (5/16-18 x 1")	9	122-0502	1	Gasket, Filter – Oil
4	122-0360-50	1	Drain, Filter – Oil	10			Harness, Wiring (See Separate Page for Components)
5	815-0340	2	Screw, Cap – Hex Washer Head – Thread Forming (#10-32 x 3/8")	338-2041		1	Gasoline Spec F-G
6	122-0771	1	Gasket, Adapter – Oil Filter	338-2634		1	Begin Spec H LP
				338-2086		1	Spec F-G
				338-2635		1	Begin Spec H

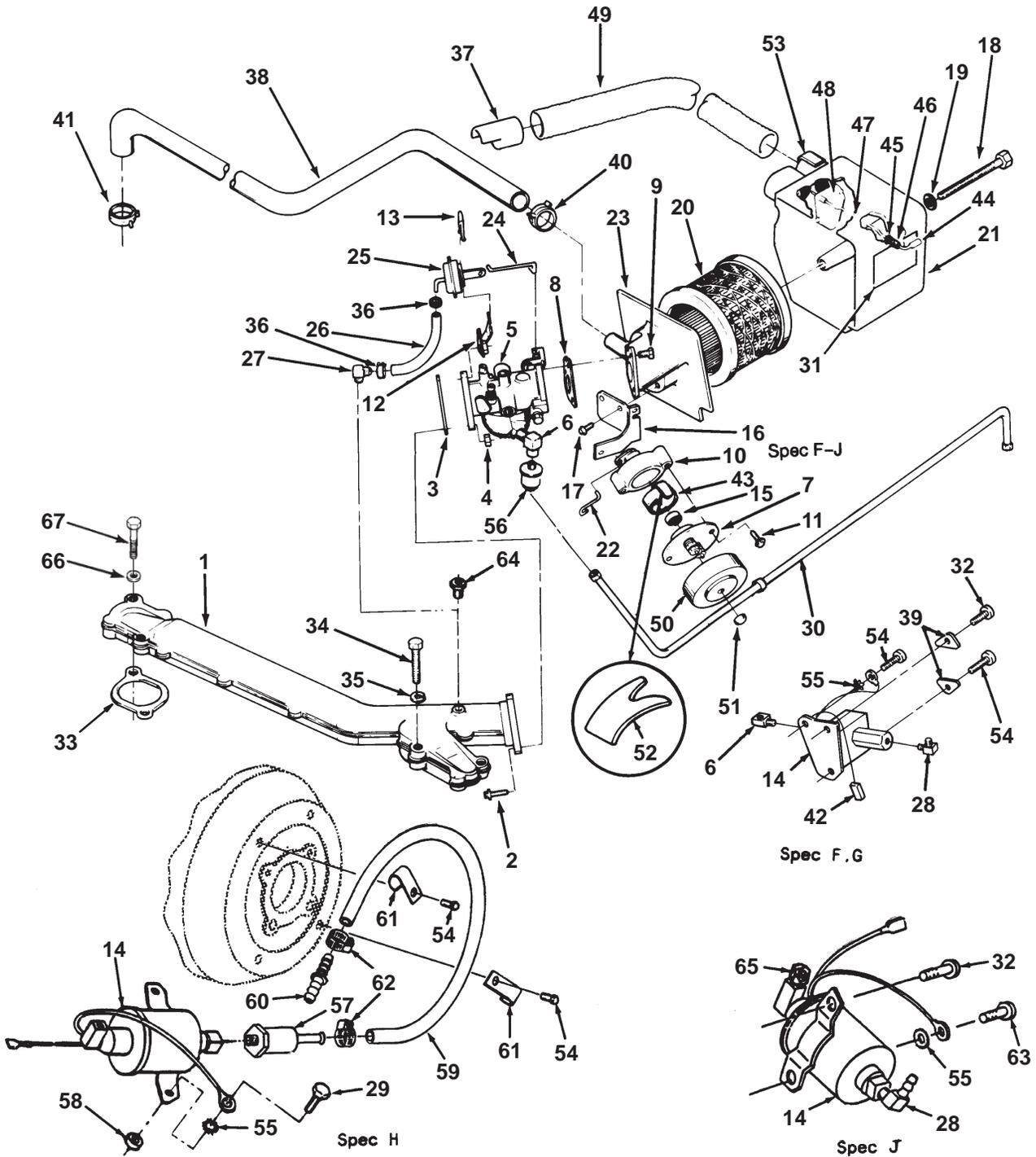
Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	103-0772	1	Gearcase Assy (Includes Parts Marked*)	13	150-1998	1	*Link, Spring – Governor
2	150-2002-04	1	*Arm and Shaft, Governor	14	870-0328	1	*Nut, Self-Lock (#10-32)
3	509-0008	1	*Seal, Oil – Governor Shaft	15	141-0710	1	*Spring, Needle – Idle
4	510-0013	1	*Bearing, Needle	16	820-1077	1	*Screw, Pan Head (#10-32 x 2-1/2")
5	510-0014	1	*Ball, Bearing	17	851-0031	1	*Washer, Spring – Conical Disc (#10)
6	516-0130	1	*Pin, Stop – Governor Cup	18	870-0257	1	Nut, Hex – Self-Locking (5/16-18)
7	150-1187	1	*Yoke, Governor				
8	815-0046	2	*Screw, Machine – Pan Head (#8-32 x 3/8")				
9	509-0040	1	*Seal, Oil – Crankshaft Front				
10	103-0810	1	Gasket, Gearcase				
11	526-0065	5	Washer, Flat – Copper (5/16")				
12			Screw, Cap – Hex Head				
	114-0022	4	1-3/4" Long				
	800-0545	1	2-3/4" Long				

* – Parts Included In Gearcase Assy.

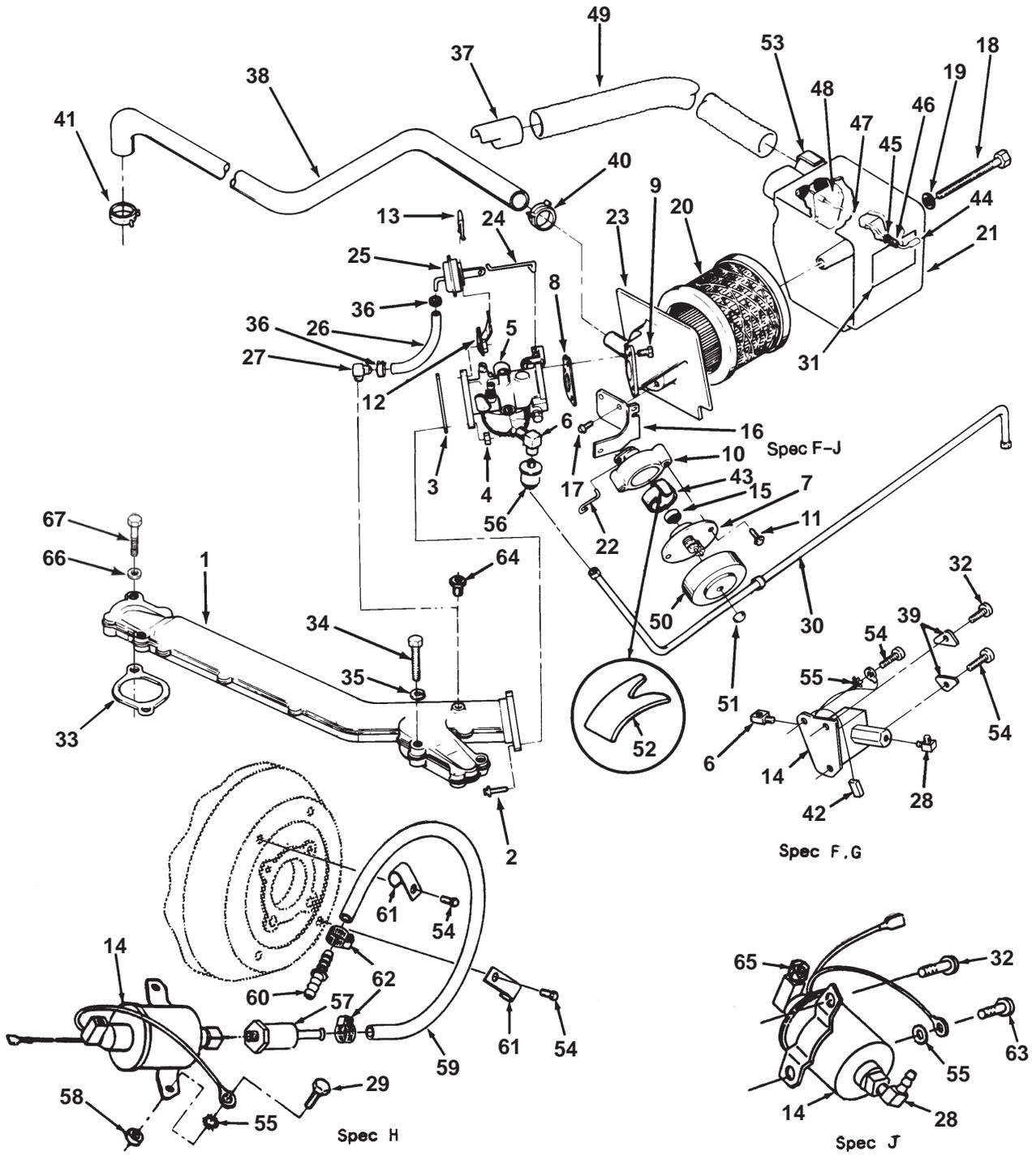
Fuel System (Gasoline)



Fuel System (Gasoline)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2447	1	Manifold, Intake	29	815-0664	1	Screw, Thread Form Torx (1/4-20 x 3/8")
2	815-0587	2	Screw, Hex Washer Head				Line, Fuel (Includes 2 Inverted Nuts)
3			Gasket, Mounting - Carburetor	30			
	141-0950	1	Spec F-J		149-2080	1	Spec F
	141-0958	1	Begin Spec K		149-2293	1	Spec G
4	862-0015	1	Nut, Hex (5/16-18)		149-2319	1	Spec H
5			Carburetor (Includes Mounting Gasket) (See Separate Page for Components)		149-2334	1	Begin Spec J
	146-0455	1	Spec F-J	31	98-6105-01	1	Label, Preheat
	146-0577		Begin Spec K	32			Screw
	146-0630	1	Begin Spec L & Up		815-0692-01	1	Hex, Machine - 60 Hz (1/4-20 x 1/2")
6			Elbow, Male - Inverted 90°		815-0692-02	1	Pan Head - 50 Hz (1/4-20 x 1")
	502-0002	1	Spec F				Gasket, Manifold - Intake
	502-1108	1	Begin Spec G				Spec F-H
7	153-0555	1	Element and Cover, Choke (Spec F-J)	33	154-2495	2	Screw, Cap - Hex Head (5/16-18 x 2")
8	140-2308	1	Gasket, Horn - Air	34	800-0033	4	Washer, Flat (M8)
9	815-0590	3	Screw, Cap - Hex Head (#10-32 x 1/2")	35	740-1006	4	Clamp, Hose
10	153-0556	1	Housing, Choke (Includes Choke Shaft) (Spec F-J)	36	503-0813	2	Adapter, Preheater
	518-0387	1	Ring, Retainer- Choke Housing (Not Shown)	37	140-1919-50	1	Tube, Breather
				38	123-1615	1	Washer, Pump - Fuel
11	815-0592	2	Screw, Head - Hex Washer (#8-32 x 1-3/8") (Spec F-J)	39	149-2226	2	Clamp, Hose - Breather Tube
12	153-0561	1	Bracket, Mounting - Diaphragm (Spec F-J)	40	503-1133	1	Clamp, Hose - Breather Tube
13	518-0450	1	Clip, U (Spec F-J)	41	503-0183	1	Harness, Wiring - Fuel Pump (Includes Rectifier)
14			Pump, Fuel - Electric (Includes Mounting Bracket)	42	338-2285	1	Tube, Housing - Choke (Spec F-J)
	149-2140	1	Spec F,G	43	153-0578	1	Cap, Vinyl
	149-2269	1	Spec H	44	517-0223	1	Washer, Flat (#6 Screw)
	149-2331	1	Begin Spec J	45	526-0002	1	Spring, By-pass
	149-2331-02	1	Begin Spec K	46	120-0140	1	Rod, Inlet - Air
15	153-0554	1	Bimetal, Choke (Spec F-J)	47	145-0667	1	Spec F-J
16	153-0557	1	Bracket, Mounting - Housing (Spec F-J)		145-0704	1	Used on Spec K
17	815-0591	2	Screw, Head - Hex Washer (1/4-10 x 3/4") (Spec F-J)	48	145-0561	1	Cover, Inlet - Air
18	800-0017	1	Screw, Cap - Hex Head (1/4-20 x 3-1/2")	49	503-1351	1	Hose, Preheater
19	526-0021	1	Washer, Flat (1/4")	50	153-0579	1	Cover, Housing - Choke (Spec F-J)
20	140-2379	1	Element, Cleaner - Air	51	870-0421	1	Nut, Cap (#6-32) (Spec F-J)
21			Housing, Cleaner - Air	52	518-0466	1	Clip, Housing - Choke (Spec F-J)
	140-1894	1	Spec F-K	53	518-0459	1	Clip, Hose - Preheater (Spec F-J)
	140-2962	1	Spec L	54	815-0290	2	Screw, Torx - Thread Form (1/4-20 x .62")
22	153-0558	1	Linkage, Choke (Spec F-J)	55	853-0013	1	Washer, ET (1/4") 50 Hz
23			Adapter, Cleaner - Air	56		1	Filter, Fuel
	140-2782	1	Spec F-K		149-2279	1	Spec F-G
	140-3093	1	Spec L		149-2333	1	Begin Spec J
24	153-0577	1	Linkage, Pull-off - Choke (Spec F-J)	57	149-1353	1	Filter, Fuel (Spec H)
25	153-0576	1	Pull-off, Choke (Spec F-J)	58	370-4052	2	Spacer, Mounting - Pump (Begin Spec H)
26	503-1252	1	Hose, Vacuum (Spec F-J) (3/16" ID x 3" Long)	59	503-1313	1	Hose, Fuel (Begin Spec H)
27	502-1105	1	Fitting, Vacuum - Intake 90°	60	502-1164	1	Adapter, Hose - Fuel (Begin Spec H)
28	502-0313	1	Elbow, 90°				

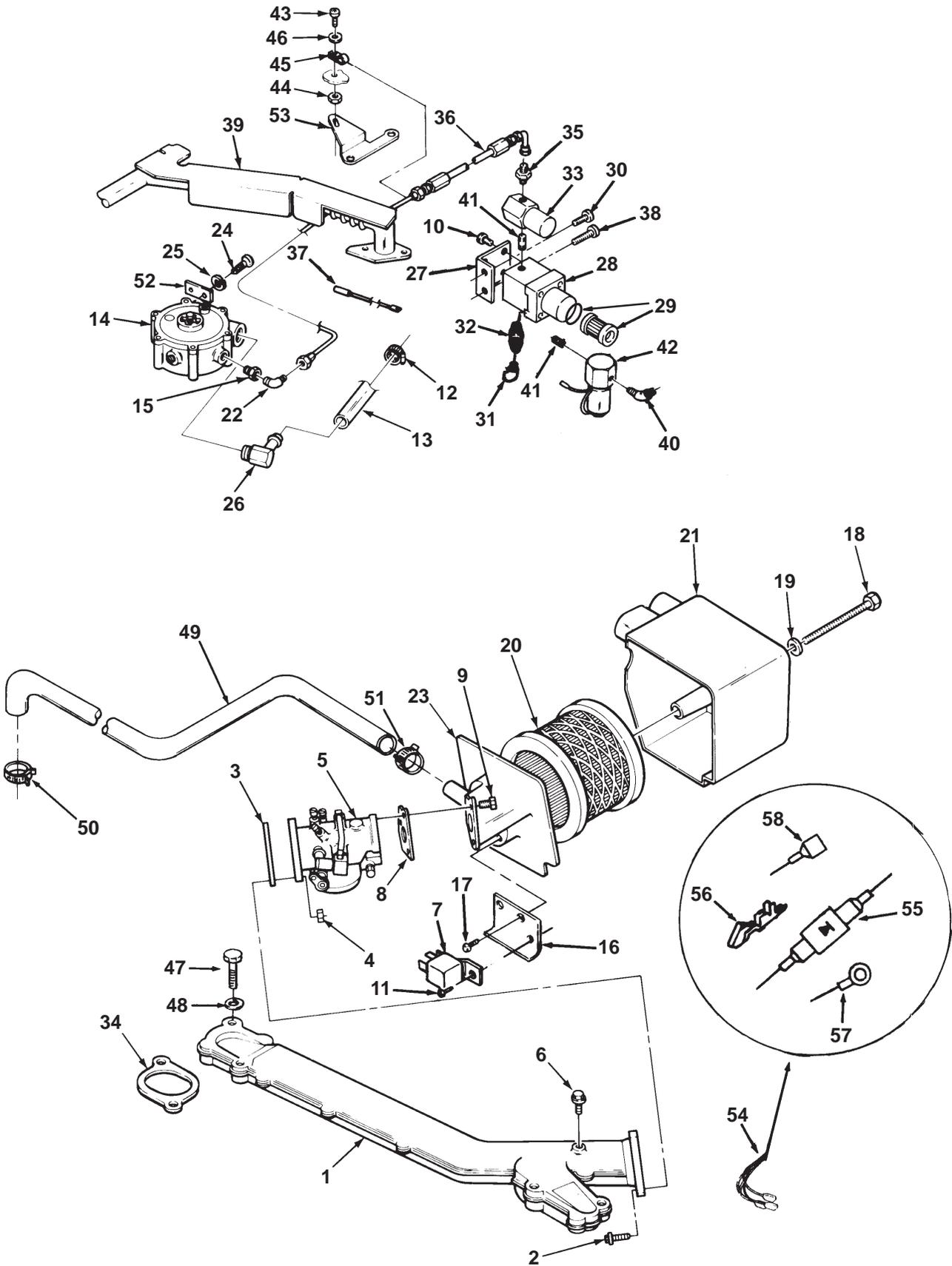
Fuel System (Gasoline)



Fuel System (Gasoline)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
61	518-0515	2	Clip, Wire (Begin Spec H)	65	502-0065	1	Elbow, Inverted – 45° (Begin Spec J)
62	503-0170	2	Clamp, Hose (Begin Spec H)	66	740-1006	4	Washer, Flat (M8)
63	815-0782	1	Screw, Pan Head – Torx (Begin Spec J)	67	800-0033	4	Screw, Hex Head Cap
64	502-0028	1	Plug, Pipe – Hex Head (Begin Spec K)				

Fuel System (LP Liquid)



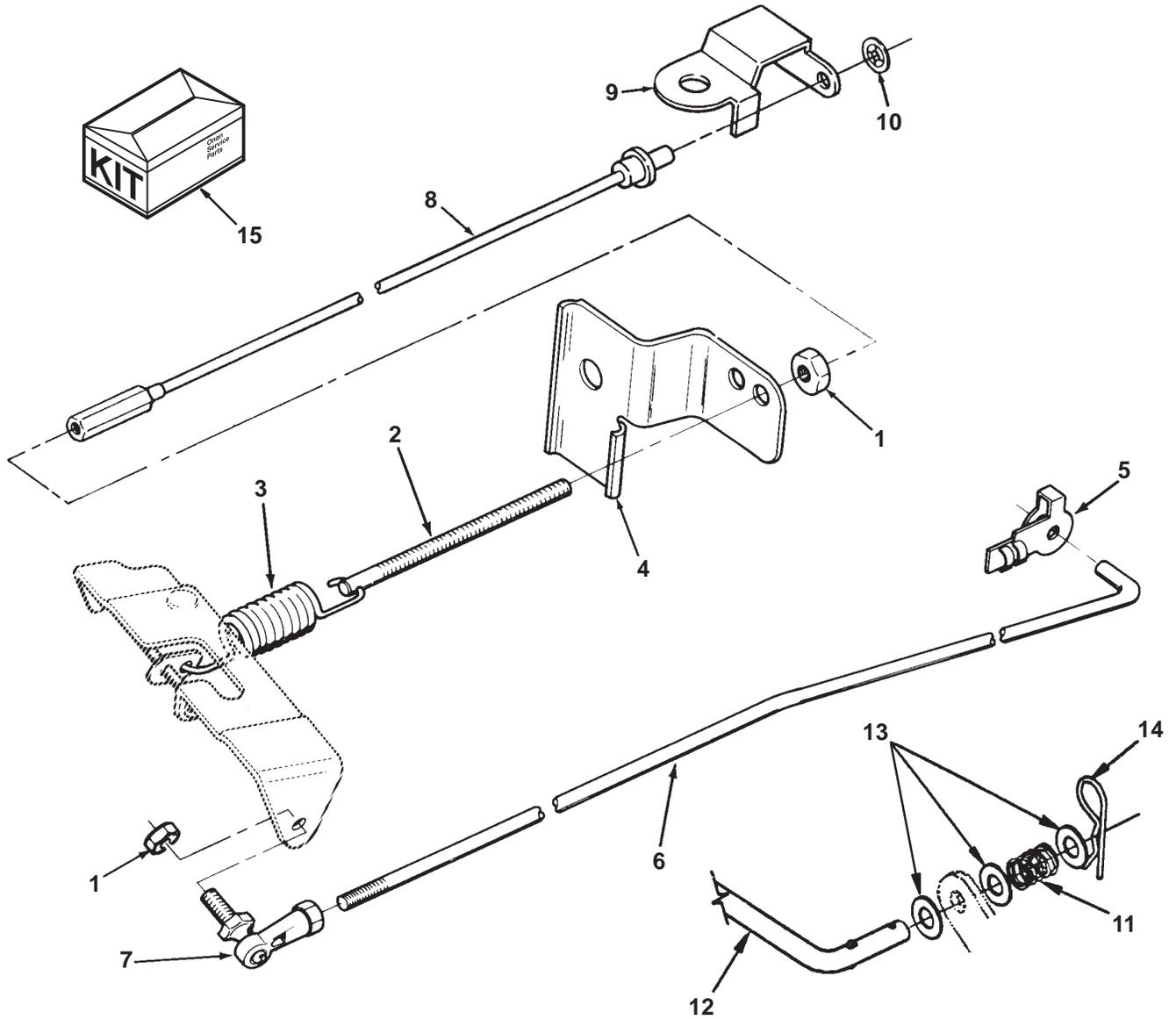
Fuel System (LP Liquid)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Manifold, Intake	33	307-2478	1	Solenoid, Lock – Fuel (Front Outlet – Exhaust Manifold) – LP Liquid
	154-2447	1	Spec F-K				
	154-3026	1	Begin Spec L				
2	815-0587	2	Screw, Head – Hex Washer (5/16-18 x 1")	34	154-2495	2	Gasket, Manifold – Intake
3	141-0281	1	Gasket, Mounting – Carburetor	35	502-0928-01	1	Adapter, Reducer (Front Outlet – Exhaust Manifold)
4	862-0015	2	Nut, Hex (5/16-18)	36	501-0525	1	Line, Fuel
5			Carburetor (See Separate Page For Components)	37	336-9679	1	Lead
	141-0932	1	Spec F-K	38	815-0664	1	Screw, Torx – Thread Form (1/4-20 x 3/8")
	146-0723	1	Spec L & Up (LPG Liquid)	39		1	Manifold, Exhaust (See Exhaust System Pages)
6	505-1426	1	Plug, Pipe (1/8") (Spec F-K)	40	502-0965-01	1	Elbow, Reducing – 45° (Bottom Outlet, Exhaust Manifold) – LP Gas
7	307-1886	1	Relay, Ignition	41	502-0929-01	1	Nipple, Close (Bottom Outlet, Exhaust Manifold)
8	140-2308	1	Gasket, Horn – Air	42	307-2501	1	Valve, Fuel Shut-off – LP Gas (Bottom Outlet, Exhaust Manifold)
9	815-0590	3	Screw, Cap – Hex Head (#10-32 x 1/2")	43	815-0176	1	Screw, Machine – Hex Head (#8-32 x 1/2")
10	815-0261	2	Screw, Head – Hex Washer (1/4-20 x 1/2")	44	870-0221	1	Nut, Hex (#8-32)
11	821-0005	1	Screw, Cap – Hex Washer (#10-32 x 1/2")	45	503-1190	1	Clamp, Hose
12	503-0183	2	Clamp, Hose (9/16 to 1-1/16")	46	526-0003	1	Washer, Flat (#8)
13			Hose, Fuel	47	800-0033	4	Screw, Cap – Hex Head (5/16-18 x 2")
	503-1365	1	Spec F-K (8" Long)	48	740-1006	4	Washer, Flat (M8)
	503-0633	1	Spec L & Up (7-1/4" Long)	49	123-1615	1	Tube, Breather
14			Regulator	50	503-0183	1	Clamp, Hose – Breather Tube (9/16 to 1-1/16")
	148-0893	1	Spec F-K	51	503-1133	1	Clamp, Hose – Breather Tube (Fits Hose O.D. .875")
	148-1020	1	Spec L & Up (LPG Vapor)	52	148-0897	1	Washer, Mounting – Regulator
	541-0532	1	Spec L & Up (LPG Liquid)	53	149-2032-01	1	Bracket, Fuel Line – Zinc Plated
15	502-0927-01	1	Bushing, Reducer (3/8 x 1/4")	54			Harness, Wiring – Ignition Relay
16	307-2559-01	1	Bracket, Mounting – Zinc Plated				BGE
17	815-0591	2	Screw, Head – Hex Washer (1/4-10 x 3/4")		338-2317	1	Spec F-G (Includes Parts Marked *)
18	800-0017	1	Screw, Cap – Hex Head (1/4-20 x 3-1/2")		338-2644	1	Begin Spec H (Includes Parts Marked +)
19	526-0021	1	Washer, Flat (1/4")		338-2317	1	BGEL (Includes Parts Marked *)
20	140-2379	1	Element, Cleaner – Air	55	357-0067	1	*+ Rectifier, Silicon
21	140-1894	1	Housing, Cleaner – Air	56			Pin, Contact
22	502-0838	1	Elbow, Reducing – 90°		323-1440	1	* Brass, Gold Plated
23	140-2782	1	Adapter, Cleaner – Air		323-1486	1	+ 13 Ampere
24	815-0647	2	Screw, Hex Washer Head (1/4-20 x 5/8")	57			Terminal, Ring
25	850-0040	2	Washer, Lock (1/4")		332-0147	1	* #10 – Red
26	502-0935	1	Elbow, 90°		332-0806	1	+ #8 – Blue
27			Bracket, Mounting – Filter	58			Terminal, Receptacle
	148-0896	1	Bottom Outlet Exhaust		332-1992	2	* Red
	148-0903	1	Front Outlet Exhaust		332-1993	2	+ Blue
28	148-0890	1	Filter, LPG (Includes Element and O-Rings)				
29	148-0898	1	Element, Filter – Fuel				
30	815-0692-01	1	Screw, Head – Pan (1/4-20 x 1/2")				
31	502-0932-01	1	Elbow, Street – 45° (Front Outlet, Exhaust Manifold)				
32			Elbow, Male – 90°				
	502-0933-01	1	Front Outlet, Exhaust Manifold – LP Liquid				
	502-0054	1	Bottom Outlet, Exhaust Manifold				

* – Parts Included in Wiring Harness.

+ – Parts Included in Wiring Harness.

Governor

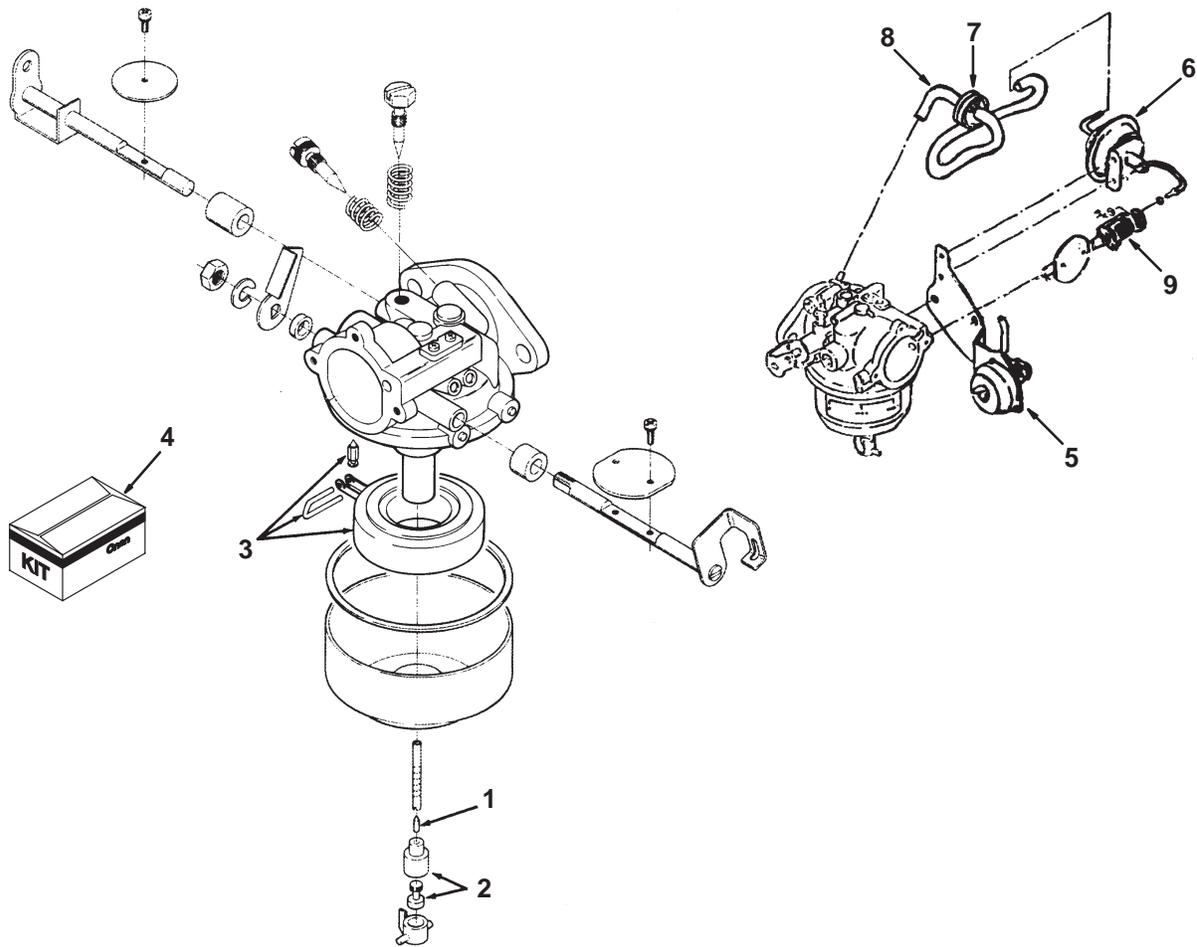


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0131	2	Nut, Hex – Self-Locking (#10-32)	10	518-0582	1	Retainer – Push On
2	150-0096	1	Stud, Adjustment – Speed	11	150-2421	1	*Spring, Compression (Begin Spec H)
3	150-1612	1	Spring, Governor	12	150-2428	1	Rod, Throttle
4	150-1958-02	1	Bracket, Governor – Zinc Plated Gasoline		150-2468	1	* Gasoline
	150-2298-01	1	LP Liquid	13	150-2589	3	°Washer, Friction (Begin Spec H)
5	518-0006	1	Clip, Retaining – BGE (Spec H)	14	518-0606	1	*Clip, Linkage (Begin Spec H)
6			Rod, Governor BGE	15			Kit, Damper
	150-1957	1	Gasoline		150-2454	1	Gasoline (Includes Parts Marked *)
	150-2079	1	LP		150-2493	1	LP (Includes Parts Marked °)
	150-2493	1	BGEL				
7	150-0939	1	Joint, Ball				
8	150-2294	1	Cable, Adjust – Governor (Begin Spec H)				
9	150-2295	1	Bracket, Cable – Governor Adjust				

* – Included in Gasoline Damper Kit.

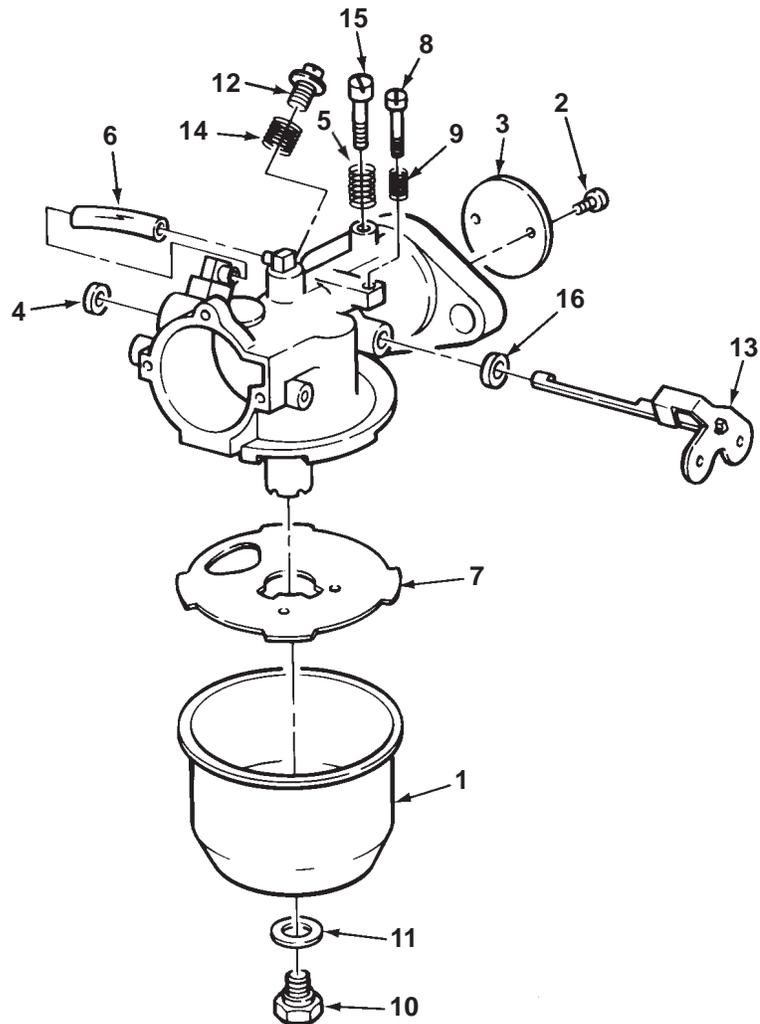
° – Included in LP Damper Kit.

Carburetor Components (Gasoline)



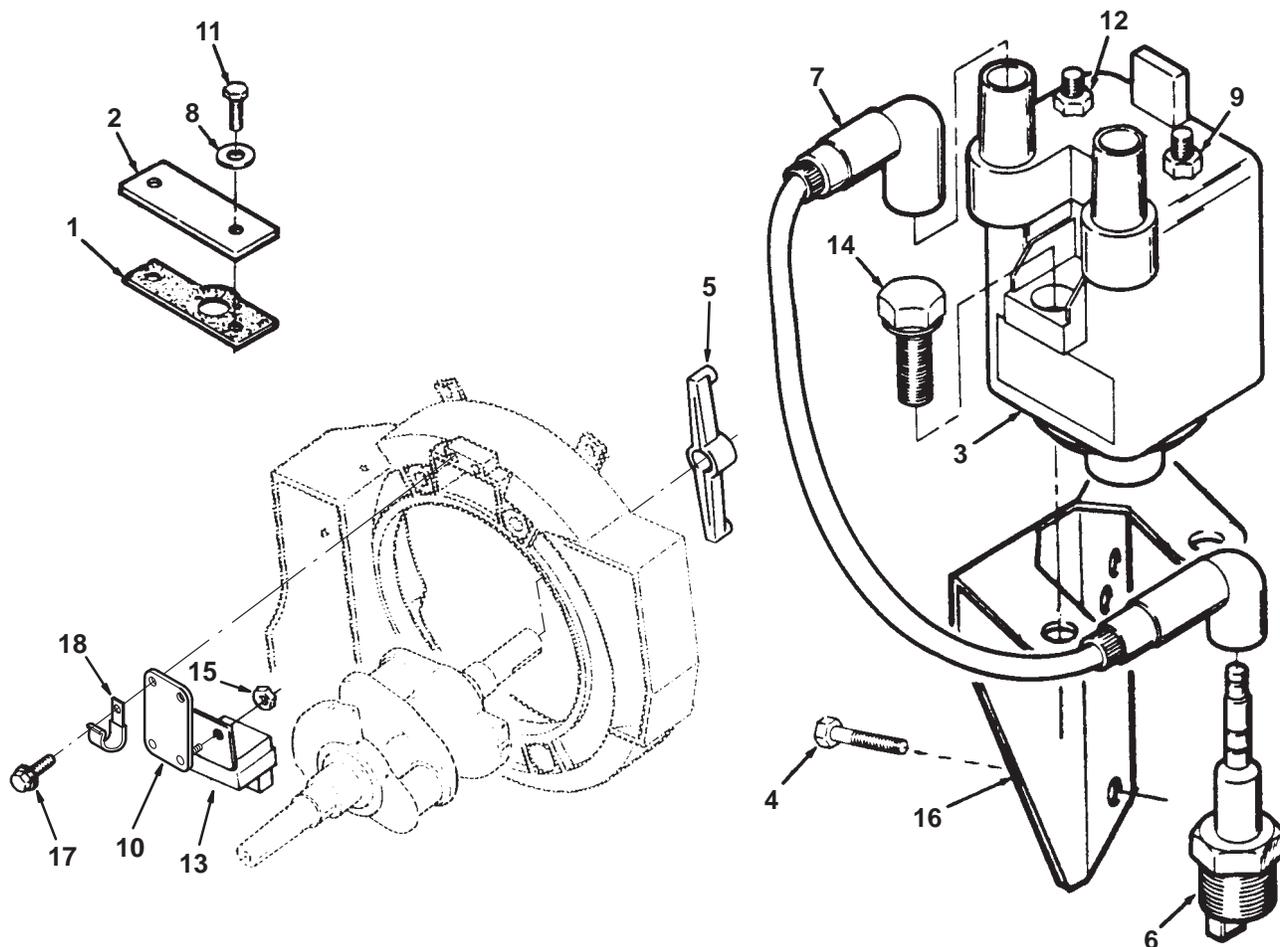
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete (Includes Mounting Gaskets)	6	146-0589	1	Kit, Choke Breaker (Includes Piston Rod, Link Washer, Snap Pin and Breaker)
	146-0455	1	Spec F-J				
	146-0577	1	Begin Spec K	7	146-0590	1	Kit, Vacuum Sustain Valve
	146-0630	1	Begin Spec L & Up	8	146-0591	1	Kit, Vacuum Valve Hose (Includes Valve and Hoses)
1	146-0449	1	Jet, Idle				
2	146-0450	1	Jet, Power	9	146-0592	1	Kit, Choke Shaft (Includes Choke Shaft, Collar, Arm Return Spring, Valve, Set Screw and Lever)
3	146-0453	1	Kit, Float (Includes Float, Pin and Valve and Set Screw				
4	146-0457	1	Kit, Repair (Includes Gasket Package, Float Valve, Idle Adjust Needle and Spring, Mounting Gaskets, Adjust Limit Caps, Throttle Stop Screw and Spring)				
			Begin Spec K				
5	146-0588	1	Kit, Choke Bimetal (Includes Holder, Thermostat Cover, Set Plate and Case Set Screw)				

Carburetor Components (LP)



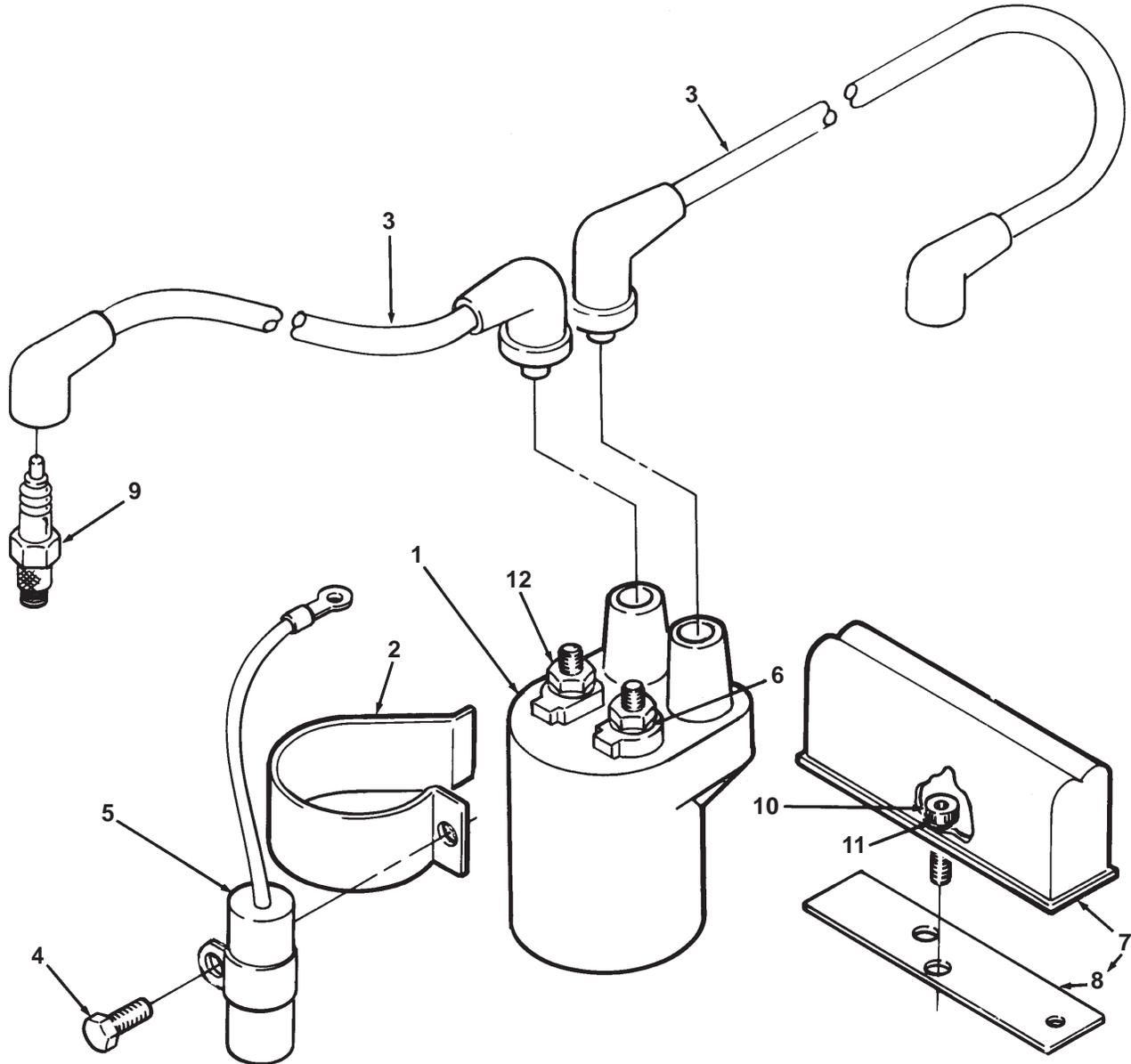
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	141-0932	1	Carburetor, Complete	7	141-0701	1	Gasket, Bowl
	146-0723	1	Spec F-K	8	141-0700	1	Screw, Stop - Throttle
	146-0727	1	Spec L & Up (LPG Liquid)	9	141-0711	1	Spring, Stop - Throttle
	141-0708	1	Bowl, Fuel	10	141-0736	1	Plug, Bowl
1	141-0906	2	Screw, Head - Round Washer	11	141-0077	1	Washer, Plug - Bowl
2	141-0919	1	Plate, Throttle	12	141-0934	1	Screw, Adjust - Main Jet
3	141-0940	1	Seal, Dust	13	141-0936	1	Lever, Shaft - Throttle
4	141-0935	1	Spring, Needle - Idle	14	141-0939	1	Spring, Screw - Main Jet
5	141-0938	1	Spec F-K	15	141-0937	1	Needle, Adjust - Idle
6	141-0978	1	Begin Spec L	16	141-0924	1	Seal, Rubber - Dust

Electronic Ignition Begin Spec G



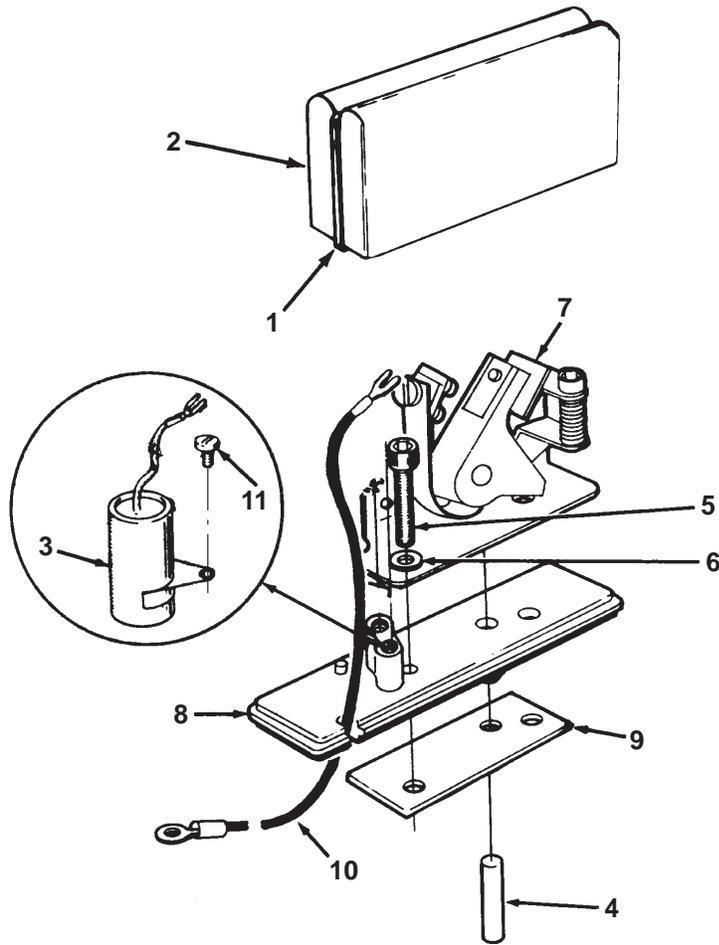
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	160-1368	1	Gasket, Plate	11	800-0004	2	Screw, Cap – Hex Head (1/4–20 x 5/8")
2	160-1345-01	1	Plate, Cover – Ignition Plunger – Zinc Plated	12	166-0771	1	Nut, Flange – Hex (M5) (Negative Terminal)
3	166-0761	1	Coil, Ignition (Includes Nuts) Through S/N G923938483 During Spec J	13	166-0821	1	Control, Ignition 15.0" Lead
	166-0820	1	Begin S/N G923938484 During Spec J		166-0821-01	1	28.5" Lead
4	815-0290	2	Screw, Head – Hex Washer Thread Form (1/4–20 x 5/8")	14	815-0650	2	Screw, Head – Hex Washer (1/4–20 x 1")
5	166-0842	1	Rotor Assembly, Ignition (Includes Rotor and Magnet)	15	870-0328	2	Nut, Self-Lock (10–32)
6	167-0263-01	2	Plug, Spark	16	166-0789-01	1	Bracket, Coil – Ignition Through S/N G923938483 During Spec J
7	167-1615-01	1	Cable, Plug – Spark 9" Long		166-0747	1	Begin S/N G923938484 During Spec J
	167-1602	1	23" Long	17	815-0770	2	Screw, Head – Hex Washer Thread Form
8	740-1004	2	Washer, Flat (M6)	18	332-3198	1	Connector
9	166-0770	1	Nut, Flange – Hex (M4) (Positive Terminal)				
10	166-0793	1	Bracket, Control – Ignition				

Ignition System Spec E, F



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	166-0772	1	Coil, Ignition (Includes Nuts and Washers)	7	160-1325	1	Box, Breaker (See Separate Page For Components)
2	166-0747	1	Clamp, Coil				(Includes Mounting Gasket)
3	167-1602	1	Cable, Plug - Spark	8	160-1368	1	Gasket, Mounting - Breaker Box
	167-1602	1	9" Long	9	167-0272	2	Plug, Spark
	167-1602	1	26" Long	10	802-0034	2	Screw, Cap - Socket Head (1/4-20 x 3/4")
4	815-0261	1	Screw, Head - Hex Washer Thread Cutting (1/4-20 x 1/2")	11	850-0038	2	Washer, Lock - Spring (1/4")
5	312-0249	1	Condenser, Ignition	12	166-0554	2	Nut, Hex (8 MM)
6	850-2005	2	Washer, Lock (M8)				

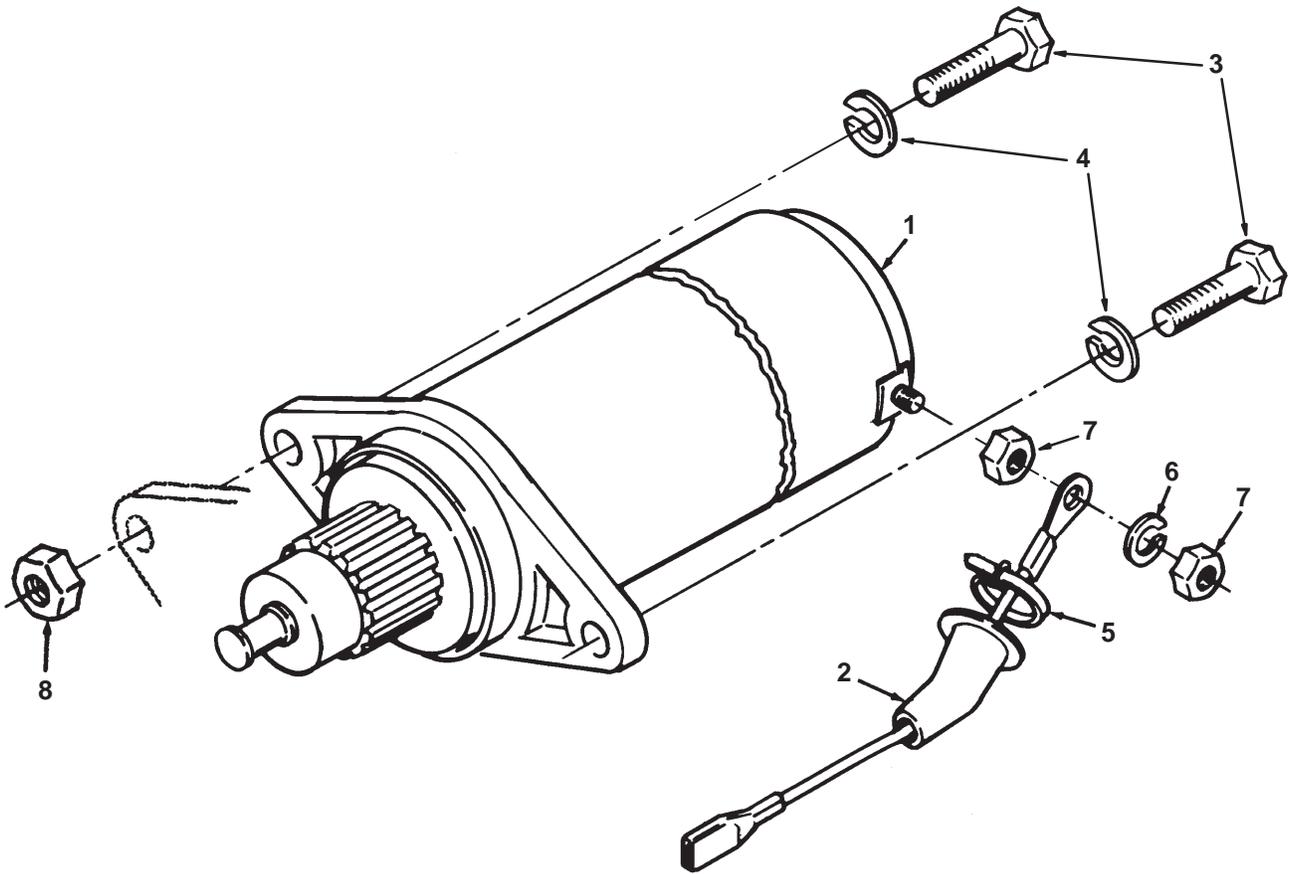
Breaker Box Spec E, F



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	160-1325	1	Box Assy, Breaker (Includes Parts Marked *)	6	850-0038	2	*Washer, Lock – Spring (1/4")
1	160-1317	1	*Clip, Cover – Breaker Box	7	160-1183	1	*Points, Breaker
2	160-1316	1	*Cover, Box – Breaker	8	160-1314	1	*Base, Box – Breaker
3			Condenser, Ignition	9	160-1368	1	*Gasket, Box – Breaker
	312-0246	1	Units Built Prior to 9/87 – Mounts Inside Breaker Box	10	336-2378	1	Lead, Box – Breaker
	312-0256	1	Units Built Beginning 9/87 – Mounts Remote Attached to Generator Adapter	11			*Screw, Hex Head – Slotted Thread Form (#8-32 x 5/16")
4	160-1151	1	Plunger, Points – Breaker		815-0358	1	Use Prior to 9/87
5	802-0034	2	*Screw, Cap – Socket Head (1/4-20 x 3/4")		815-0340	1	Begin 9/87

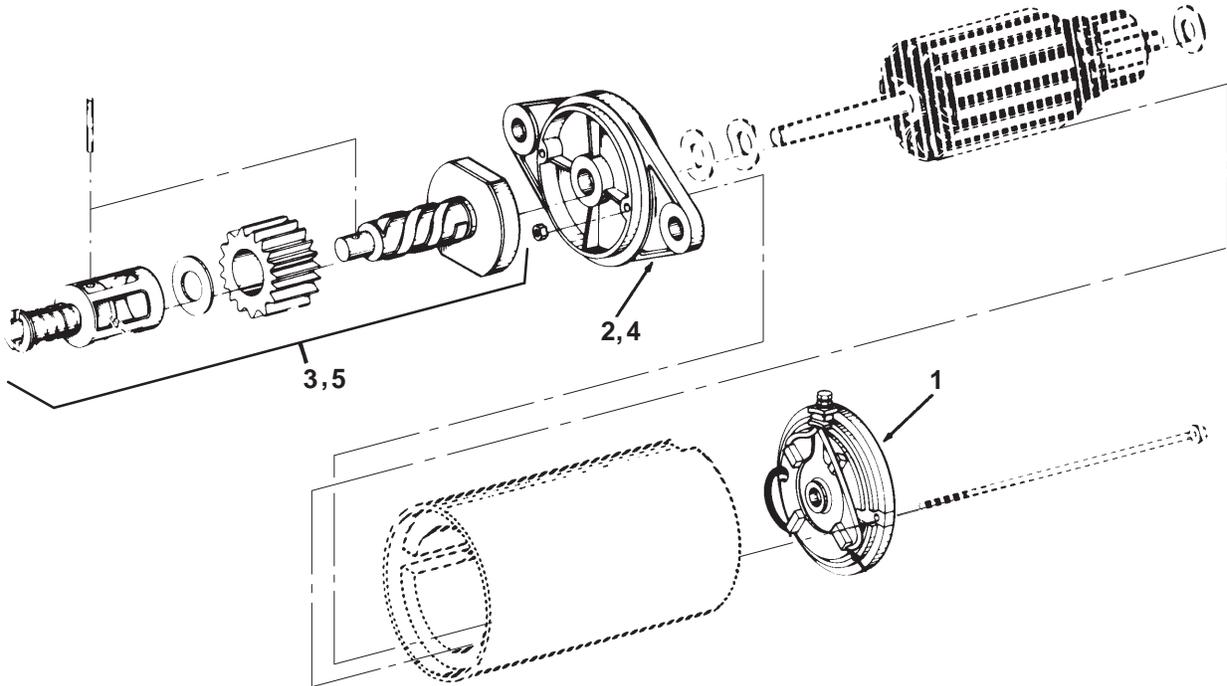
* – Parts Included In Breaker Box.

Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1667	1	Starter, 12 Volt (See Separate Page For Components)	4	850-0050	2	Washer, Lock (3/8")
2	226-3457	1	Lead, Starter (Includes Tube)	5	332-0942	1	Tie, Cable
3	800-0052	2	Screw, Hex Head - Cap (3/8-16 x 1-1/2")	6	850-0040	1	Washer, Lock (1/4")
				7	862-0001	2	Nut, Hex (1/4-20)
				8	862-0003	2	Nut, Hex (3/8-16)

Starter Components

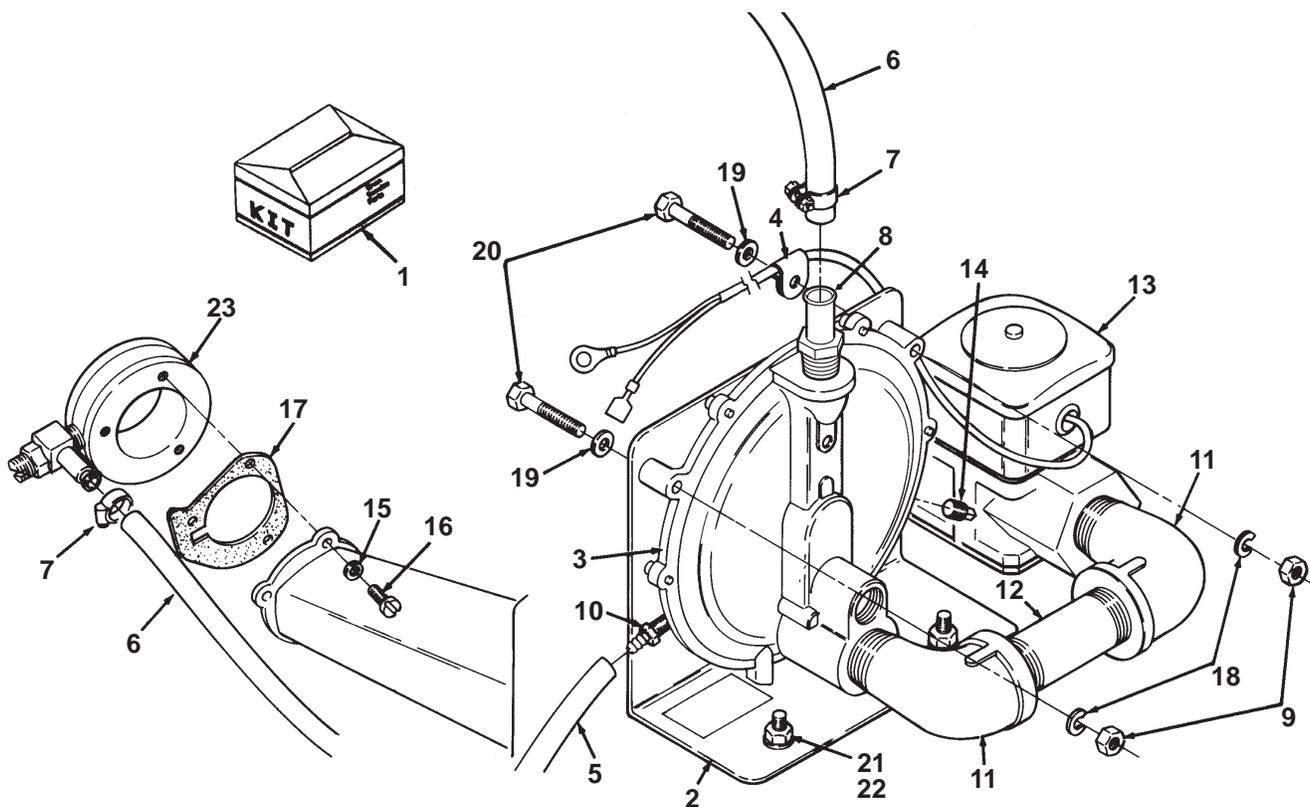


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1667	1	Starter, 12 Volt (Spec F-K Thru S/N 1933079632 During Spec K) (Includes Parts Marked*)
	191-2158	1	Starter, 12 Volt (Begin S/N 1933079633 During Spec K) (Includes Parts Marked #)
1	191-1781	1	*Cap, End (Includes Brushes)
2	191-1776	1	*Cap, End - Drive
3	191-2129	1	*Kit, Drive - Starter (Includes Spring Cover, Clutch Retainer, Clutch, Spline, Gear, Roll Pin and Hardware)
4	191-2186	1	#Cap, Drive
5	191-2187	1	#Kit Assembly, Drive (Includes Washers, Retainers, Spring, Cover, Roll Pin, Pinion Gear, and Drive Clutch)

* - Parts Included in Starter Units Thru S/N 1933079632 During Spec K.

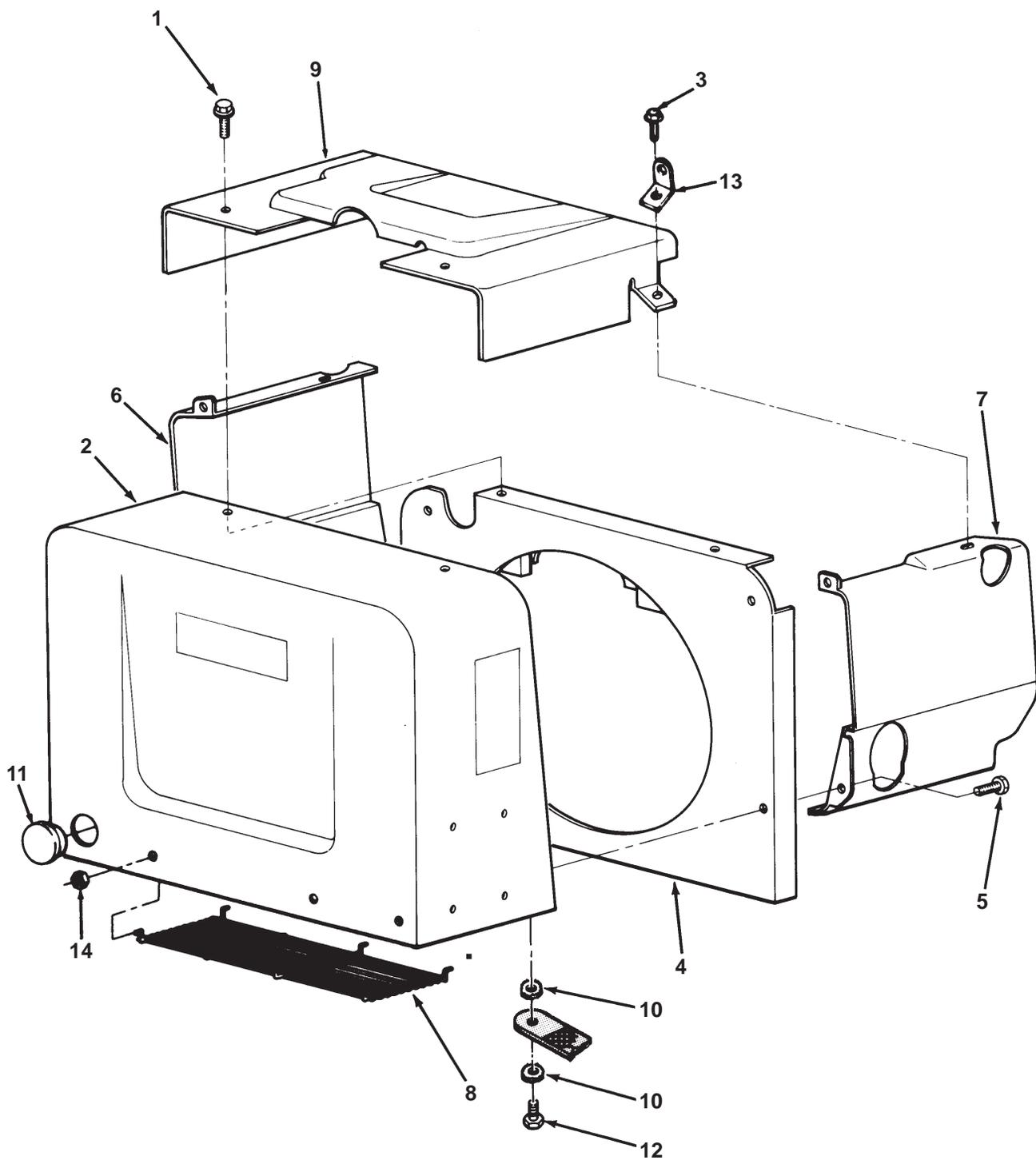
- Parts Included in Starter Units That Begin S/N 1933079633 During Spec K.

LP Vapor Fuel System Field Conversion Kit 148-0913 (Spec F-L)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0913	1	Kit, LP Conversion (Spec F-L) (Includes all Parts on this Page)	14	505-0057	1	Plug, Head – Square
2	148-0843	1	Bracket, Regulator – Gas	15	854-0010	3	Washer, Lock – IT (#10)
3	148-0311	1	Regulator, Gas	16	813-0117	3	Screw, Machine – Round Head (#10-32 x 1-5/8")
4	518-0350	1	Clamp, Insulated (1/4" OD)	17	140-2308	2	Gasket, Adapter – Air Intake
5	503-1016	1	Hose, Oil (Vent) – 12" Long	18	850-0040	2	Washer, Lock (1/4")
6	503-1048	1	Hose, Fuel – 30" Long	19	526-0018	2	Washer, Flat (1/4")
7	503-0183	2	Clamp, Hose (#4)	20	114-0023	2	Screw, Cap – Hex Head (1/4-20 x 1-1/4")
8	502-0238	1	Connector, Hose	21	800-0028	2	Screw, Cap – Hex Head (5/16-18 x 1")
9	862-0001	2	Nut, Hex (1/4-20)	22	870-0257	2	Nut, Hex – Self Locking (5/16-18)
10	502-0395	1	Connector, Hose	23	148-0912	1	Adapter, Carburetor
11	505-0051	2	Elbow, Street – 90°				
12	505-0332	1	Nipple, Pipe (3/4 x 3.00 Lg)				
13	307-1881	1	Solenoid and Terminal				

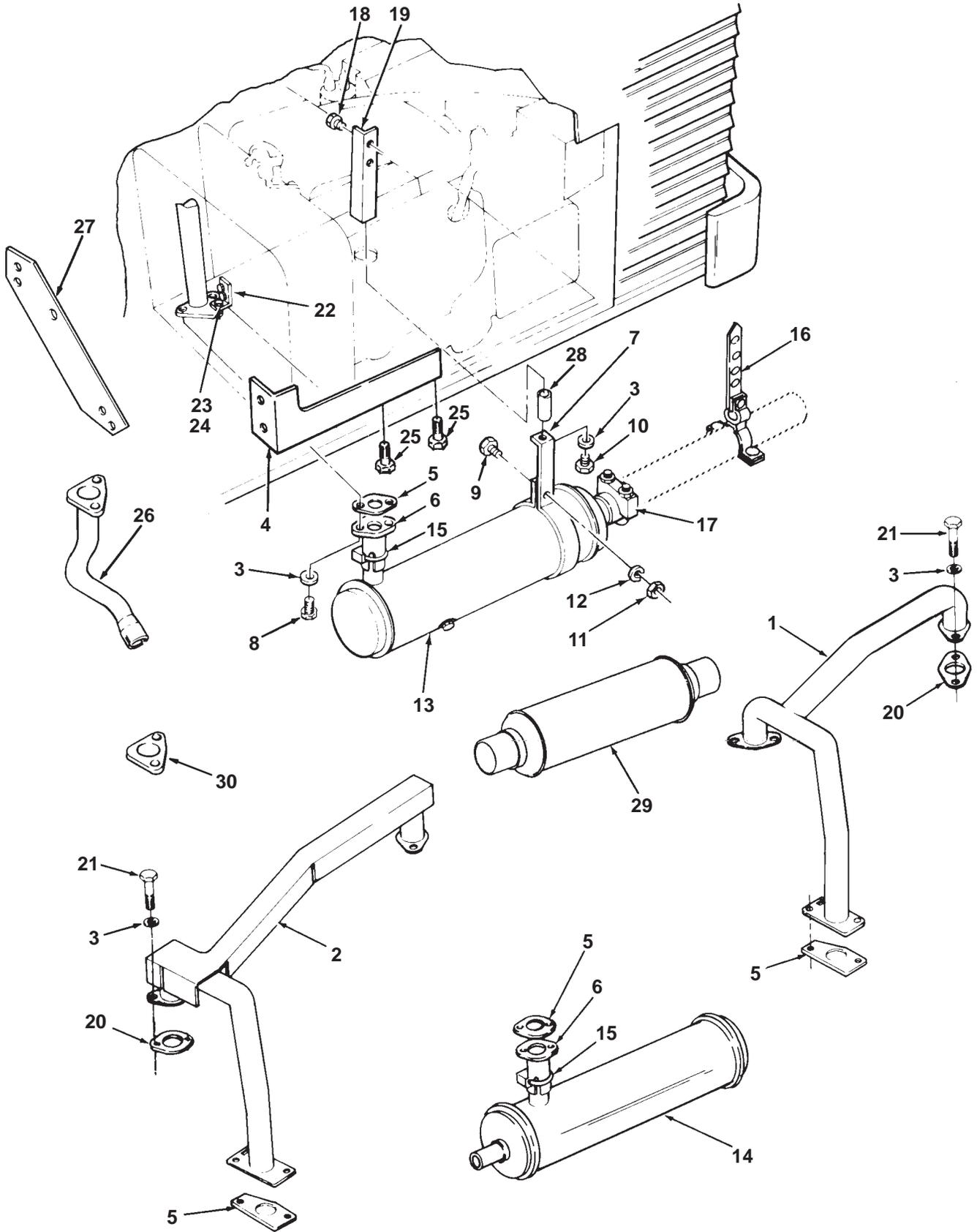
Air Housing



Air Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0010	2	Screw, Head – Hex Washer Self-locking (1/4-20 x 1/2")	10	856-0010	3	Washer, Lock – EIT (3/8")
2	134-4463	1	Scroll (Includes Baffle)	11	517-0283	1	Plug, Button – Dot
3	815-0759	2	Screw, Hex Head – Flanged Self-Locking (5/16-18 x 1")	12	800-0048	1	Screw, Cap – Hex Head (3/8-16 x 3/4")
4	134-4354	1	Backplate, Scroll	13	403-1523-01	2	Bracket, Lifting
5	815-0261	4	Screw, Hex Head – Self-Tapping (1/4-20 x 1/2")	14	870-0415	6	Nut, Self-Tapping (1/8")
6	134-4353	1	Housing, Air – Cylinder (Lt)		821-0009	11	Screw, Head – Hex Washer Self-Locking (1/4-20 x 3/8") Not Shown
7	134-4352	1	Housing, Air – Cylinder (Rt)				
8	134-4348	1	Guard, Scroll				
9			Shield, Noise (BGE Sets Only)				
	155-2579	1	Spec F-G				
	155-2555-51	1	Begin Spec H				

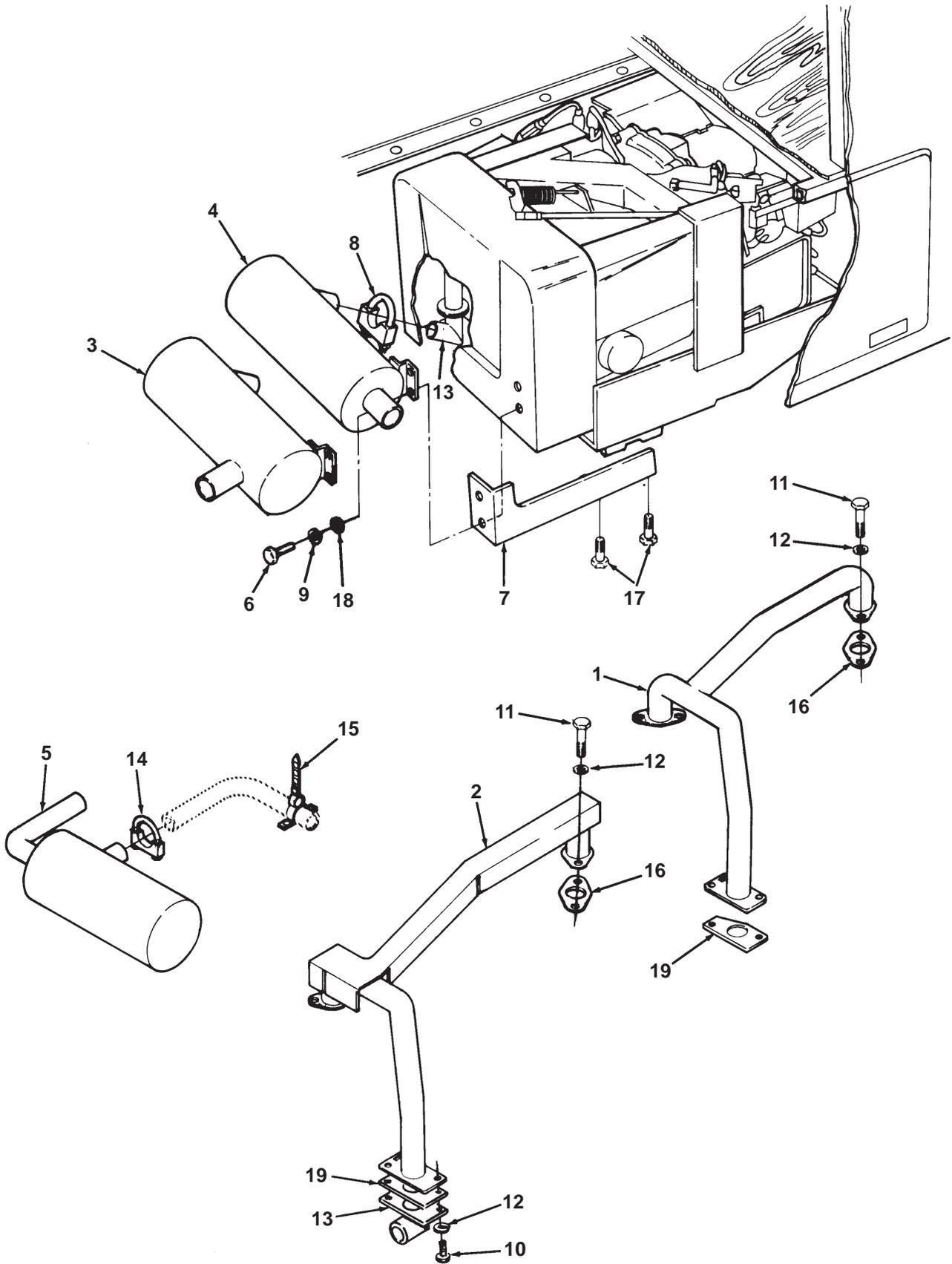
Exhaust System – Above Floor Models



Exhaust System Above Floor Models

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2551	1	Manifold, Exhaust – Gasoline				(Inlet/Outlet on Same End)
2	154-2627	1	Manifold, Exhaust – LP (Includes Fuel Line and Heat Shield)	15	155-1239	1	Clamp, Muffler (1-5/8")
				16	155-2174	1	Hanger, Exhaust
3	740-1006	7	Washer, Lock (5/16")	17	155-1015	1	Clamp, Muffler (1-1/2")
4			Bracket, Exhaust	18			Screw, Head – Hex Washer Thread Form
	155-2049	1	Spec F-J		815-0261	2	Spec E-F(1/4-20 x 1/2")
	155-2049-02	1	Begin Spec K		815-0290	2	Begin Spec G (1/4-20 x 5/8")
5	154-2542	1	Gasket, Exhaust	19	155-2026-02	1	Strap, Muffler
6			Adapter, Exhaust (Flange Type)	20	154-2746	2	Gasket, Manifold – Exhaust
	154-2540	1	4-1/4" Long	21	800-0026	4	Screw, Cap – Hex Head (5/16-18x3/4")
	154-2683	1	6-1/4" Long	22			Bracket, Manifold – Exhaust
	154-2718	1	8" Long		155-2036	1	BGEL (1.97" Long)
7	155-2025-02	1	Strap, Muffler (5.77" Long)		154-2538	1	BGE (2.31" Long)
8	800-0730	2	Screw, Cap – Hex Head (5/16-18 x 1")	23	800-0005	1	Screw, Cap – Hex Head (1/4-20 x 3/4")
9	800-0007	1	Screw, Cap – Hex Head (1/4-20 x 1")	24	526-0018	1	Washer, Flat (1/4")
10			Screw, Cap – Hex Head	25	821-0029	2	Screw, Hex Washer Head – Self-Locking (3/8-16 x 3/4")
	800-0026	1	Use without Spacer (5/16-18 x 3/4")	26	154-2662	1	Tube, Exhaust – 11" Long
	800-0036	1	Use with Spacer (5/16-18 x 2-3/4")	27	154-2663	1	Bracket, Exhaust
11	870-0212	1	Nut, Self-Lock (1/4-20)	28	370-4027	1	Spacer, Muffler- 2" Long (Used Only On RVs With 6-1/4" Long Exhaust Adapter)
12	740-1004	1	Washer, Flat (M6)	29	155-2449	1	Resonator, Exhaust – Gasoline Units Only
13	155-1258	1	Muffler, Arrester – Spark (Inlet/Outlet on Opposite Ends)	30	154-2537	1	Flange, Exhaust Manifold
14	155-1485	1	Muffler, Arrester – Spark				

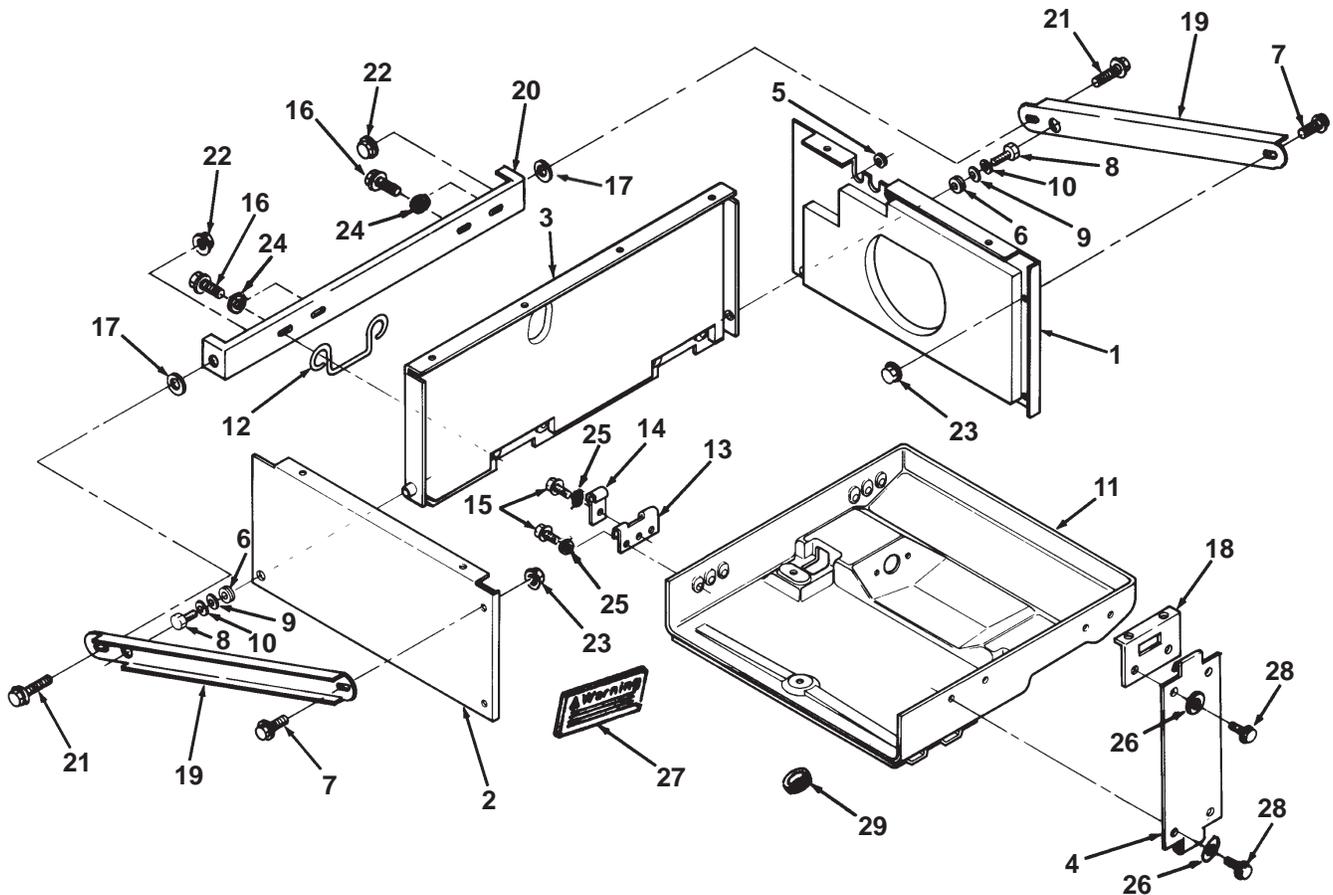
Exhaust System Below Floor Models



Exhaust System Below Floor Models

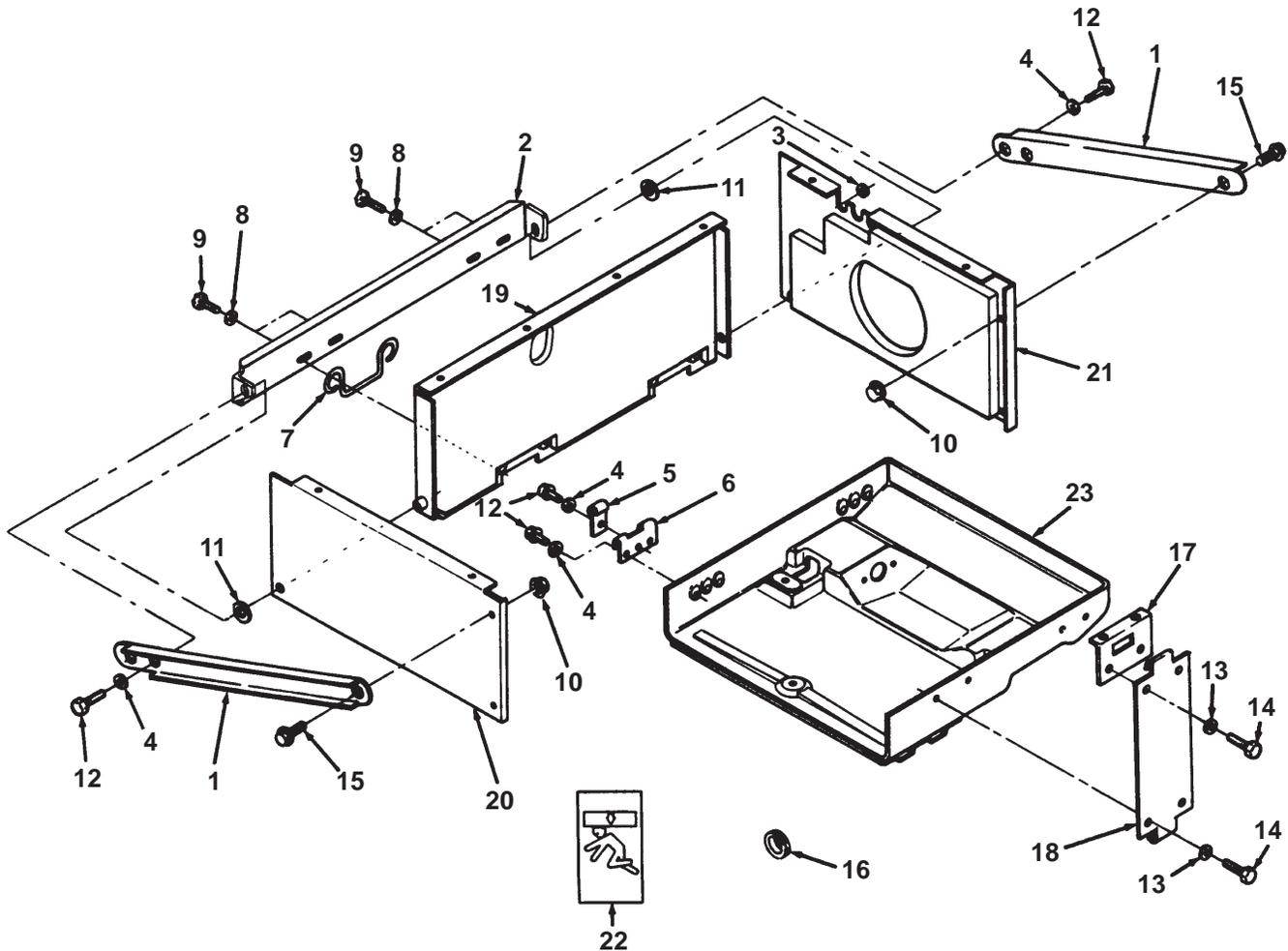
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2551	1	Manifold, Exhaust – Gasoline	9	850-0040	2	Washer, Lock (1/4")
2	154-2627	1	Manifold, Exhaust – LP (Includes Fuel Line and Heat Shield)	10	800-0730	2	Screw, Cap – Hex Head (5/16-18 x 1")
3	155-2086	1	Muffler, Arrestor – Spark (Inlet/Outlet on Opposite Ends)	11	800-0026	4	Screw, Cap – Hex Head (5/16-18 x 3/4")
4	155-2085	1	Muffler, Arrestor – Spark (Inlet/Outlet on Opposite Ends)	12	850-0045	6	Washer, Lock (5/16")
5	155-2164	1	Muffler, Arrestor – Spark (Inlet/Outlet on Same End)	13	154-2539	1	Tube, Exhaust
6	800-0004	2	Screw, Cap – Hex Head (1/4-20 x 5/8")	14	155-1015	1	Clamp, Muffler (1-1/2")
7	155-2049	1	Bracket, Manifold – Exhaust	15	155-2174	1	Hanger, Pipe – Exhaust
8	155-1256	1	Clamp, Muffler (1-1/4")	16	154-2746	2	Gasket, Manifold – Exhaust
				17	821-0029	2	Screw, Hex Washer Head – Self Lock (3/8-16 x 3/4")
				18	526-0130	2	Washer, Flat (1/4")
				19	154-2542	1	Gasket, Exhaust

**Housing – Below Floor Models
(1985–1992)
(Specs 26101, 26104, 26111, 29237, 31814)**



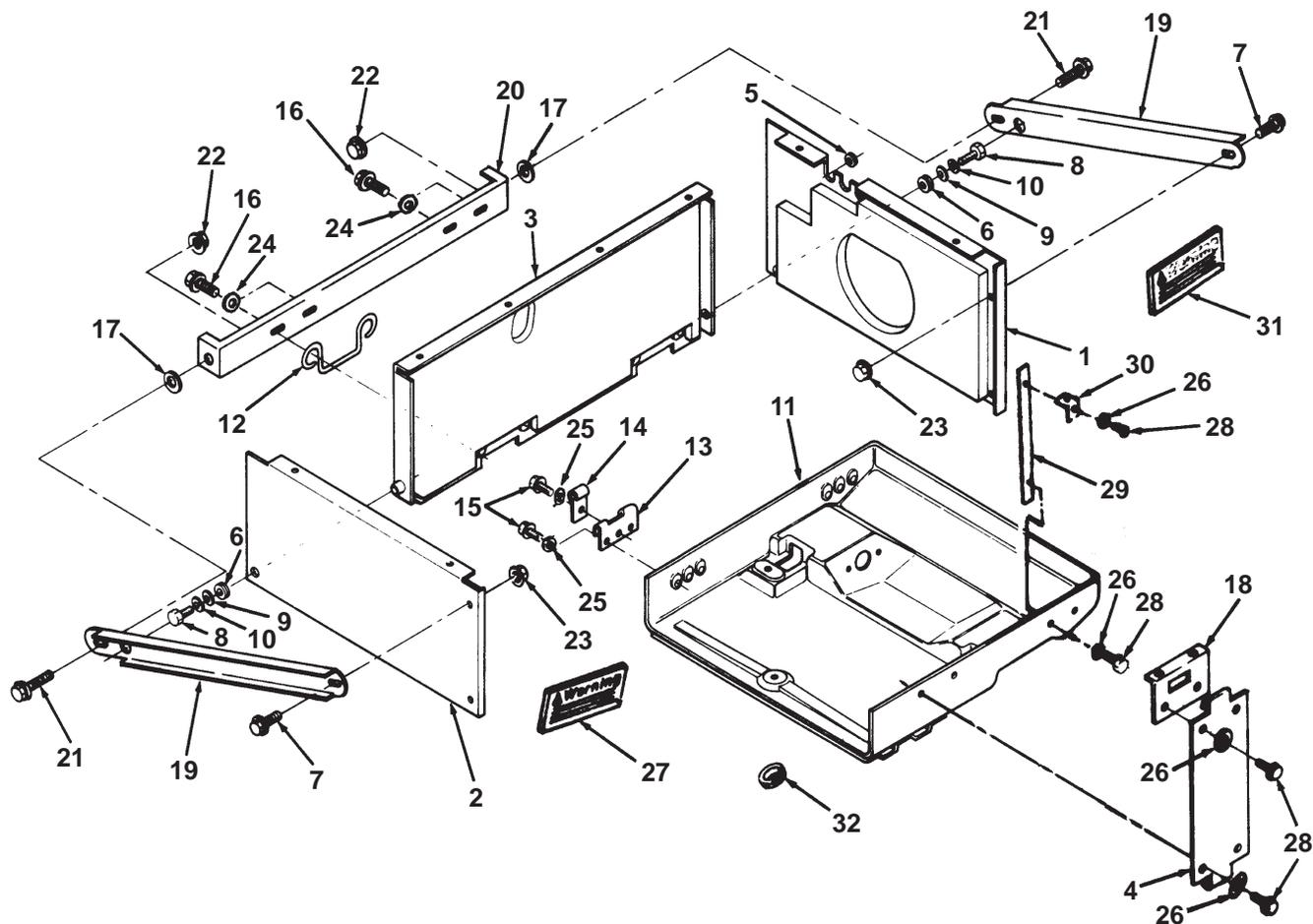
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-3332	1	Panel, Right Hand	16	800-0048	4	Screw, Cap – Hex Head (3/8–16 x 3/4")
2	405-3333	1	Panel, Left Hand	17	526-1518	4	Washer, Flat (7/16")
3	405-3334	1	Panel, Rear	18	405-3405	1	Bracket, Housing
4	405-3401	1	Support, Housing	19	405-3611	2	Brace, Side (22.2" Long)
5	508-0071	3	Grommet, Rubber (.62 ID)	20	405-3612	1	Brace, Rear (27.35" Long)
6	508-0008	2	Grommet, Rubber (.50 ID)	21	821-0033	2	Screw, Lock – Hex Head (7/16–14 x 3/4")
7	821-0014	2	Screw, Self-Locking (5/16–18 x 1/2")	22	870-0437	2	Nut, Hex (7/16–14)
8	800-0002	2	Screw, Cap – Hex Head (1/4–20 x 3/8")	23	870-0257	2	Nut, Hex (5/16–18)
9	526-0130	2	Washer, Flat (1/4")	24	526-0174	4	Washer, Flat (3/8")
10	850-0040	2	Washer, Lock (1/4)	25	526-0382	6	Washer, Flat (1/4")
11	403-2280	1	Pan, Drip	26	526-0122	4	Washer, Flat (5/16")
12	406-0566	2	Pin, Hinge	27	98-6402-01	1	Label, Warning
13	406-0567	2	Plate, Hinge	28	800-0026	4	Screw, Cap – Hex Head (5/16–18 x 3/4")
14	406-0568	2	Support, Hinge	29	508-0051	1	Grommet, Rubber (1.75"ID)
15	800-0005	6	Screw, Cap – Hex Head (1/4–20 x 3/4")				

**Housing – Below Floor Models
(Begin 1992)
(Specs 26101, 26104, 26111, 29237, 31814)**



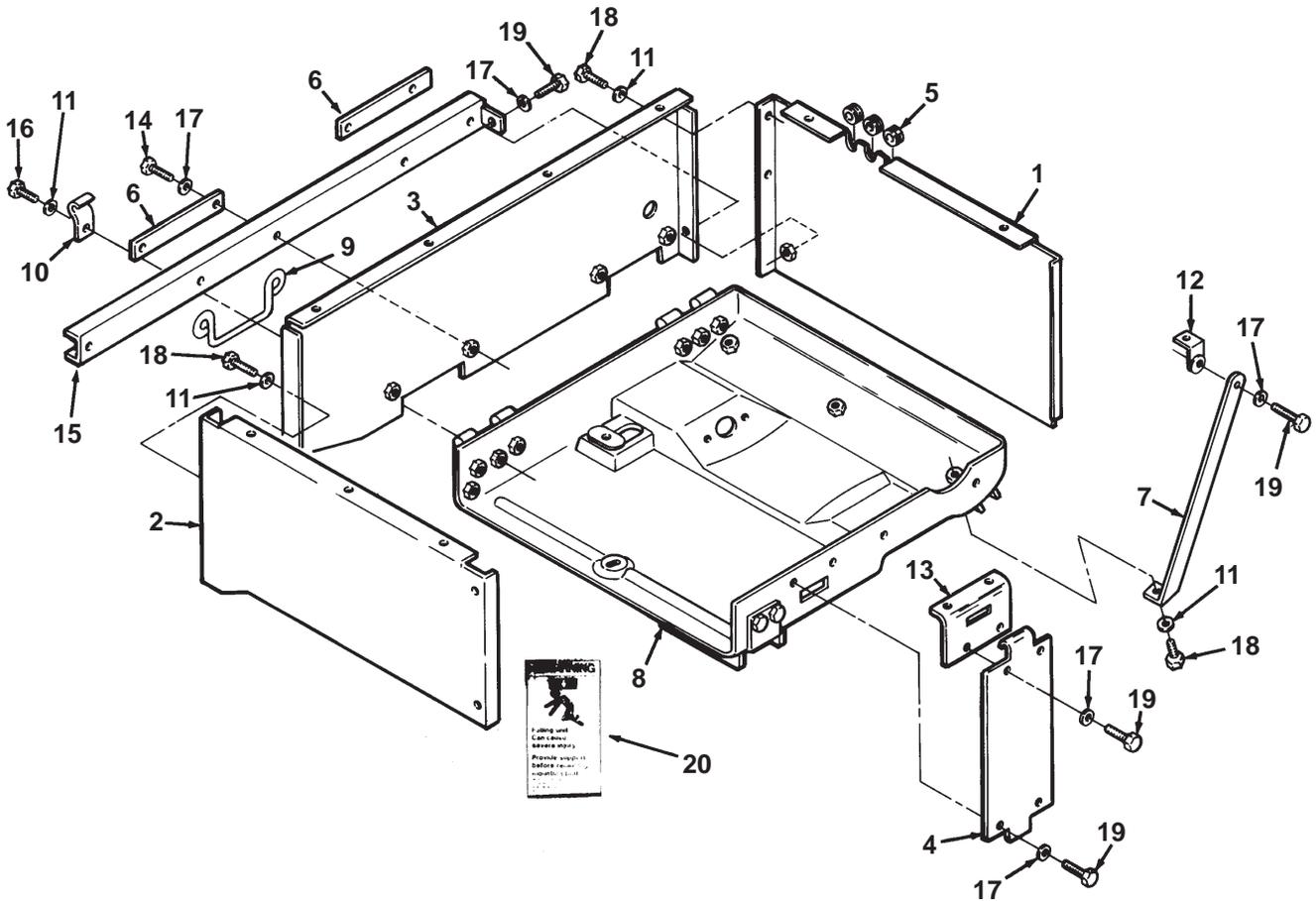
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4763-02	2	Brace, Side	13	526-0122	4	Washer, Flat (5/16")
2	405-4762-02	1	Brace, Rear	14	800-0026	4	Screw, Cap – Hex Head (5/16–18 x 3/4")
3	508-0071	3	Grommet, Rubber (.62 ID)	15	821-0014	2	Screw, Lock Head (5/16–18 x 1/2")
4	526-0382	8	Washer, Flat (1/4")	16	508-0051	1	Grommet, Rubber (1-3/4 ID)
5	406-0568	2	Support, Hinge	17	405-3405	1	Bracket, Housing
6	406-0567	2	Plate, Hinge	18	405-3401	1	Support, Housing
7	406-0566	2	Pin, Hinge	19	405-3334	1	Panel, Rear
8	526-0174	4	Washer, Flat (3/8")	20	405-3333	1	Panel, Left Hand
9	800-0048	4	Screw, Cap – Hex Head (3/8–16 x 3/4")	21	405-3332	1	Panel, Right Hand
10	870-0257	2	Nut, Lock (5/16–18)	22	98-6402-01	1	Label, Warning
11	526-0017	2	Washer, Flat (7/16")	23	403-2280	1	Pan, Drip
12	800-0533	8	Screw, Cap – Hex Head (1/4–20 x 3/4")				

Housing – Below Floor Sets (Specs 26109, 37593)



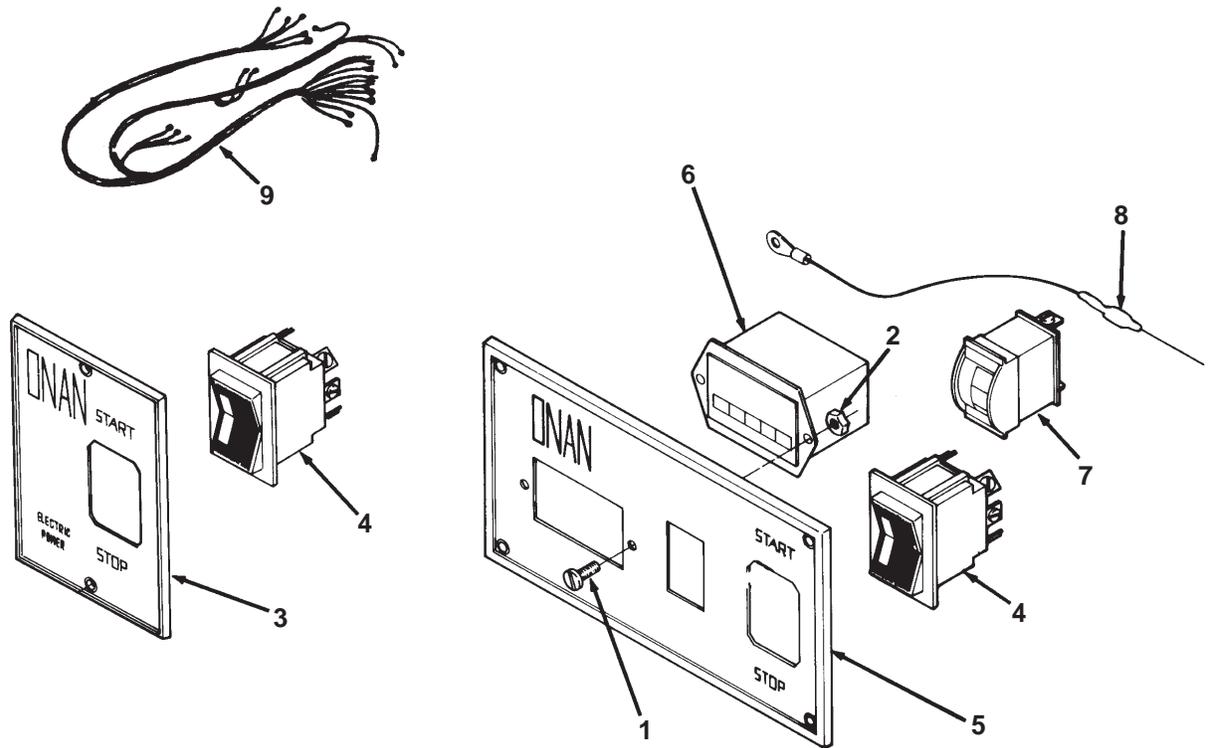
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-3397	1	Panel, Right Hand	17	526-1518	4	Washer, Flat (7/16")
2	405-3400	1	Panel, Left Hand	18	405-3406	1	Bracket
3	405-3394	1	Panel, Rear	19	405-3607	2	Brace, Side (25-1/4" Long)
4	405-3401	1	Support	20	405-3608	1	Brace, Rear (29-1/4" Long)
5	508-0071	3	Grommet, Rubber (.62 ID)	21	821-0033	2	Screw, Lock – Hex Head (7/16-14 x 3/4")
6	508-0008	2	Grommet, Rubber (.50 ID)	22	870-0437	2	Nut, Hex (7/16-14)
7	821-0014	2	Screw, Self-Locking (5/16-18 x 1/2")	23	870-0257	2	Nut, Hex (5/16-18)
8	800-0002	2	Screw, Cap – Hex Head (1/4-20 x 3/8")	24	526-0174	4	Washer, Flat (3/8")
9	526-0130	2	Washer, Flat (1/4")	25	526-0382	6	Washer, Flat (1/4")
10	850-0040	2	Washer, Lock (1/4")	26	526-0122	6	Washer, Flat (5/16")
11	403-2557-03	1	Pan, Drip	27	098-6402-01	1	Label, Warning
12	406-0566	2	Pin, Hinge	28	800-0026	6	Screw, Cap – Hex Head (5/16-18 x 3/4")
13	406-0567	2	Plate, Hinge	29	405-3597	1	Bracket
14	406-0568	2	Support, Hinge	30	405-3596	1	Support
15	800-0005	6	Screw, Cap – Hex Head (1/4-20 x 3/4")	31	098-5543	1	Label, Caution
16	800-0048	4	Screw, Cap – Hex Head (3/8-16 x 3/4")	32	508-0051	1	Grommet, Rubber (1.75"ID)

Housing – Below Floor Models (Commercial Applications)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-3993	1	Panel, Right Hand	12	405-4037	1	Bracket, Housing
2	405-3988	1	Panel, Left Hand	13	405-3999	1	Bracket, Housing
3	405-3986	1	Panel, Rear	14	800-0589	4	Screw, Cap – Hex Head (3/8-16 x 1-1/2")
4	405-3974	1	Support (Includes Warning Label)	15	405-4000	1	Brace, Rear (27.22" Long)
5	508-0071	3	Grommet, Rubber	16	800-0029	2	Screw, Cap – Hex Head (5/16-18 x 1.12")
6	405-3996	2	Spacer, Brace	17	526-0174	23	Washer, Flat (3/8")
7	405-3955-S0	1	Support, Housing (Includes Caution Label)	18	800-0026	6	Screw, Cap – Hex Head (5/16-18 x 3/4")
8	403-2727	1	Pan, Drip	19	800-0517	6	Screw, Cap – Hex Head (3/8-16 x 1")
9	406-0655	2	Pin, Hinge	20	98-5334-01	1	Label, Warning
10	406-0657	2	Support, Hinge				
11	526-0122	8	Washer, Flat (5/16")				

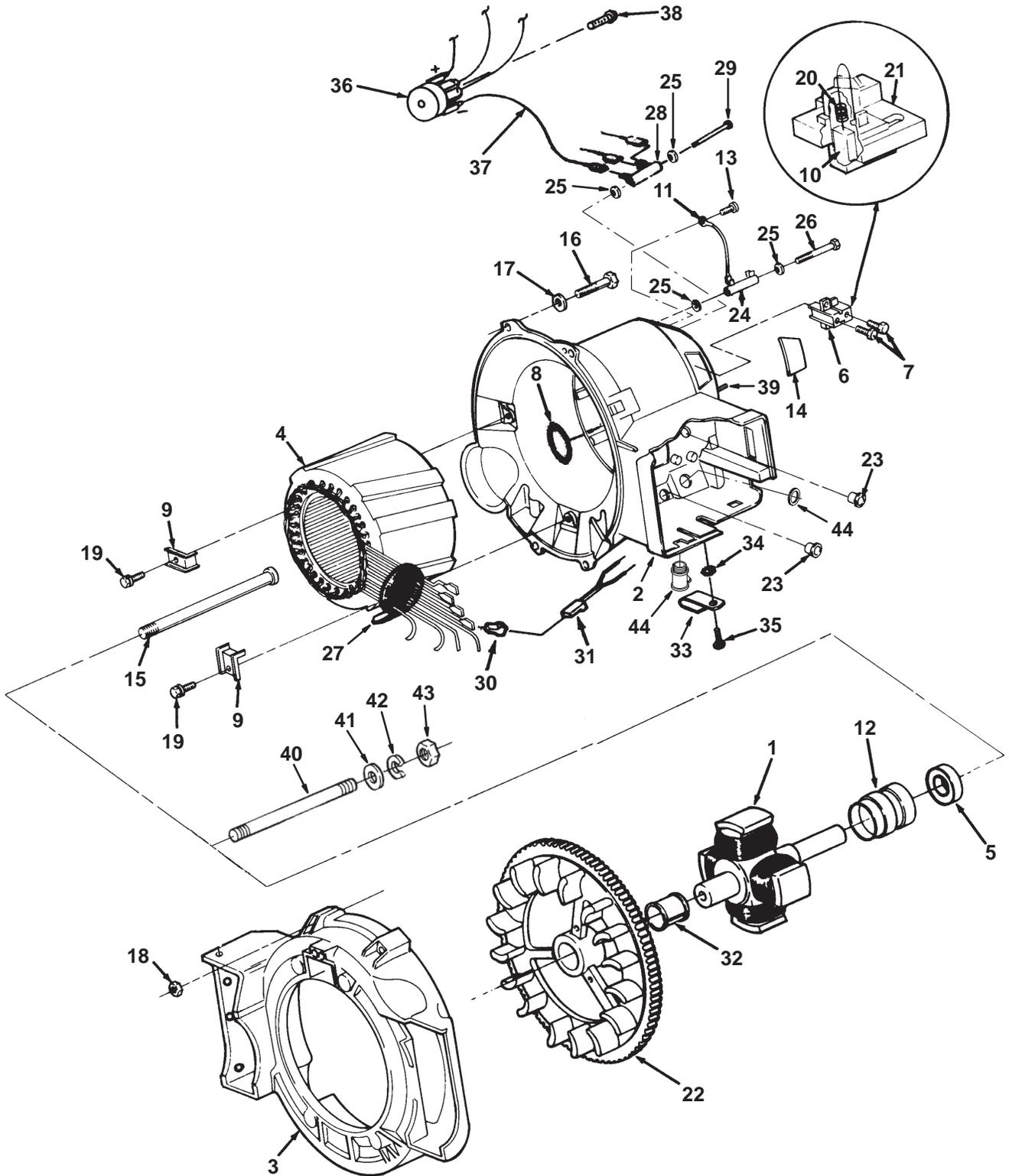
Remote Start Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-2313	1	Kit, Control – Standard Remote Starting (Includes Parts Marked*)	7	302-0888	1	+Meter, Condition – Battery
	300-2314	1	Kit, Control – Deluxe Remote Starting (Includes Parts Marked +)	8	359-0034	1	+Diode
1	815-0385	2	+Screw, Machine – Round Head (#6-32 x 1/2")	9			Harness, Wiring – Remote (Includes Housing and Pins)
2	860-0006	2	+Nut, Hex Head (#6-32)		338-1082	1	6" Long
3	301-3566	1	*Panel, Control		338-1080	1	10 Feet Long
4	308-0341	1	*+Switch, Rocker		338-1081	1	30 Feet Long
5	301-3606	1	+Panel, Control		323-0400	1	Housing, Connector
6	302-0885	1	+Meter, Totalizing – Time		323-0500	5	Pin, Contact

* – Parts Included In Standard Control.
+ – Parts Included In Deluxe Control.

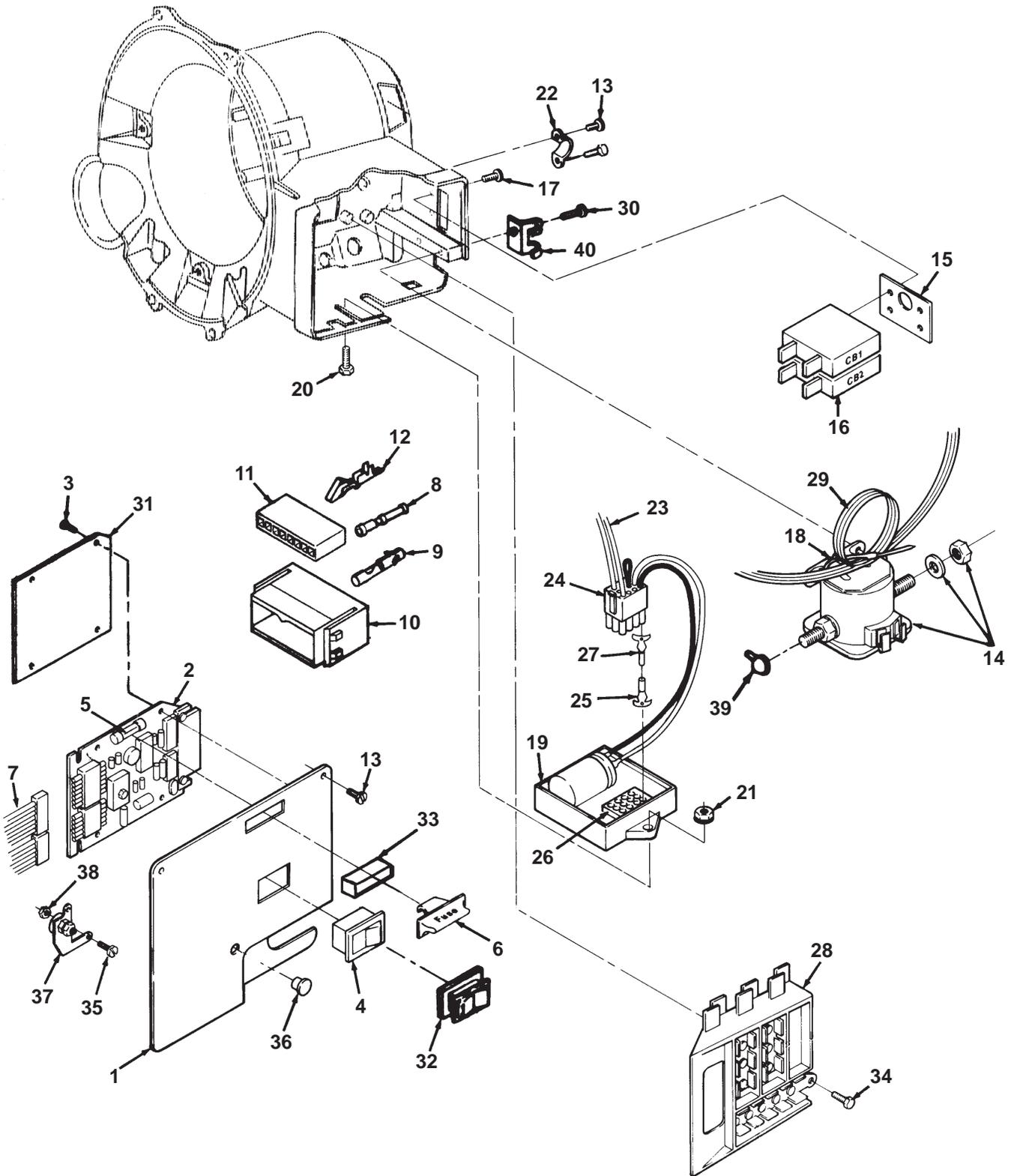
Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	201-3388-03		Rotor, Generator (Includes Fan, Ball Bearing and Collector Ring)	20	212-1276-03	2	Spring, Brush – Generator
				21	212-1286	1	Block, with Terminal
				22	205-0165	1	+ Fan and Gear, Rotor
2			Housing, Stator	23	508-0272	2	Grommet, Nylon (.68" ID)
	220-4133	1	Spec F-K	24			Resistor, Charger – Battery (25 Watts)
	220-4532-01	1	Begin Spec L				Spec F-J
3			Adapter, Generator		304-0794	1	Begin Spec K
	231-0288-01	1	Spec F-K		304-0797	1	Washer, Center – Resistor
	231-0381-01	1	Begin Spec L	25			Gasoline
4			Stator, Generator		304-0796	4	LP Gas
			60 Hz		304-0796	2	Screw, Head – Hex (#10-32 x 2-1/2")
	220-4135-04	1	Spec F-G	26	815-0660	1	Tie, Cable – 50 Hz
			Begin Spec H				Resistor, Pump – Fuel (Gasoline)
	220-4135-04	1	120 Volts	27	332-0941	1	Screw, Head – Pan (#10-32 x 1/2")
	220-4135-05	1	100 Volts	28	304-0798	1	Connector, Tab
	220-4135-03		50 Hz				Connector, Receptacle
5	510-0099	1	Bearing, Ball	29	815-0712	1	60 Hz
6	212-1285	1	Block, Brush – Genertor (Includes Spring, Block, Brush)				50 Hz
				30	323-1298	2	Ring, Tolerance
7	815-0788	2	Screw, Head – Pan (#10-32 x 7/8")	31			Clip – Below floor Models
					332-0819	2	Washer, ET (#10-32)
					332-0819	3	Screw, Pan Head – Thread Form (#10-32 x 1/2")
8	509-0196	1	O'Ring, Housing – Stator				Bridge, Rectifier (Begin Spec K) (CR10)
9	232-2955-02	3	Clamp, Stator	32	518-0460	1	Harness, Charger – Battery (Begin Spec K)
10	214-0103	2	Brush, Block	33	518-0533	1	Screw, Pan Head (#10-32 x 7/8") (Begin Spec K)
11	226-3492-01	1	Lead, Resistor	34	853-0013	1	Stud, Grounding
12	204-0134	1	Ring, Collector – Rotor	35	815-0661	1	Stud – 13.125" Long Extended Shaft
13	815-0691-01	1	Screw, Pan Head (#10-32 x 23/64")				Washer, Flat (7/16")
				36	305-0718	1	Washer, Lock (7/16")
14	212-1284	1	Cover, Block – Brush				Nut, Hex (7/16-20)
15	802-1038	1	Screw, Socket – Rotor Through (7/16-14 x 10-1/4")	37	338-3010	1	Connector, Conduit
16			Screw, Hex – Flange Head	38	815-0788	1	
	800-0575	4	Spec F-K (3/8-16 x 1-1/8")				
	815-0908	4	Begin Spec L (3/8-16 x 1-1/2)	39	332-3328	1	
17	850-0050	4	Washer, Lock – Spring (3/8") (Spec F-K Only)	40	520-0961-02	1	
18	862-0003	4	Nut, Hex (3/8-16) (Spec F-K Only)	41	526-0032	1	
				42	850-0055	1	
19	815-0646	3	Screw, Cap – Hex Washer Head (1/4-20 x 3/4")	43	870-0203	1	
				44	331-0536	1	

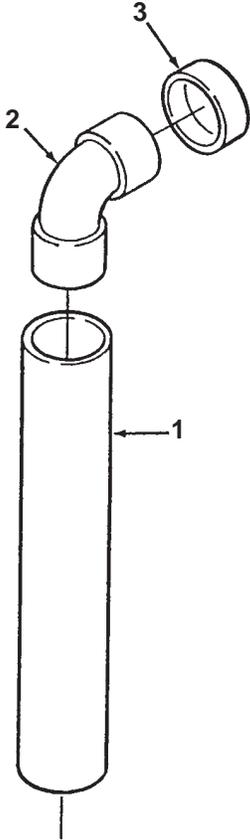
Control



Control

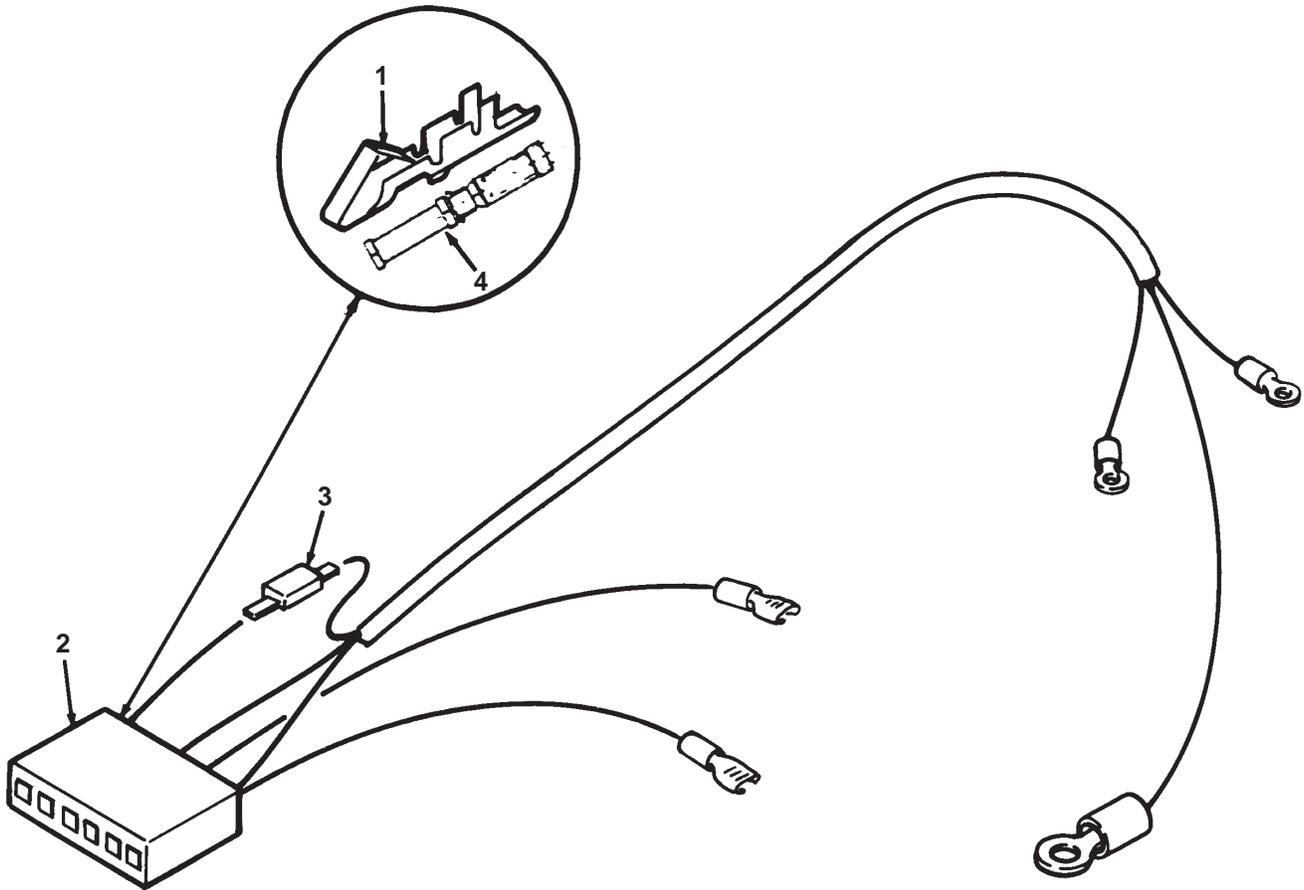
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cover, Control				
			60 Hz	17			Screw, Slotted Head – IT
			4.0		815-0550	2	Use with Single CB (#6-32 x 3/8")
	319-1238-03	1	Volt Code 1R,FA				
	319-1237-09	1	Volt Code FR		815-0550-01	4	Use with Double CB (#6-32 x 5/16")
	319-1238-07	1	5.0				
	319-1238-19	2	30 Amp Breakers	18	332-0941	2	Tie, Cable
	319-1237-02	1	50 Hz	19			Regulator, Voltage
2			Board, Circuit – Printed		305-0809-01	1	60 Hz
	300-3950	1	Spec E-G		305-0809-03	1	50 Hz
	300-3763-01	1	Spec H-M	20	821-0003	1	Screw, Hex Head (#10-32 x 1")
	300-4901-01	1	Begin Spec N	21	870-0131	1	Nut, Hex – W/ET (#10-32)
3	815-0791	4	Screw, Pan Head – Cross Recessed (#6-32 x 3/8")	22	232-3265	1	Clamp, Conduit
				23			Harness, Wiring – Voltage Regulator
4	308-0995	1	Switch, Rocker				
5	321-0298	3	Fuse, 5 Amps – Slo-Blow		338-2076	1	60 Hz – Volt Code 1R,FA
6	321-0295	1	Holder, Fuse (Holds Spare Fuses)		338-2083	1	60 Hz – Volt Code FR
					338-2083-01	1	50 Hz, 120/240 Volt, Single Phase
7			Harness, Wiring – PCB#1 BGE				
	338-2040	1	Spec F,G	24	323-1314	1	Housing (12 Pin)
			Spec H	25	323-1200	6	Socket, Contact – 60 Hz
	338-2636-01	1	Gas	26	323-1371	1	Header (12 Pin)
	338-2636-02	2	LP	27	323-1199	12	Pin, Contact
			Spec J	28			Block, Terminal
	338-2768-01	1	Gas		332-2859-02	1	60 Hz
	338-2768-02	1	LP		332-2859-01	1	50 Hz
	338-2895	1	Begin Spec K	29			Harness, Wiring – AC Outlet 60 Hz
	338-3479	1	Begin Spec M & Up		338-2045	1	4.0
	338-2040	1	BGEL		338-2058	1	5.0
8	323-1486	12	Socket, Contact (Spec H,J,K)		338-2058	1	50 Hz
9	323-1200	1	Socket, Contact	30	815-0692-02	1	Screw, Torx – Pan Head (1/4-20 x 1)
10	323-1487-03	1	Housing, Connector (Spec H,J,K)				
				31	332-3075	1	Insulator,Board – PC (.005" Thick)
11	323-1312	2	Housing, Connector (BGE Spec F,G, and BGEL)				
				32	308-0949	1	Cover, Switch – Rocker
12	323-1440	5	Pin, Contact (BGE Spec F,G, and BGEL)	33	321-0287	1	Insulator, Fuse
				34	815-0691-01	1	Screw, Head – Pan (#10-32 x 23/64")
13	815-0661	4	Screw, Pan Head – Thread Forming (#10-32 x 1/2")				
				35	815-0385	1	Screw, Machine – Round Head (#6-32 x 1/2") – 50 Hz
14	307-2570	1	Solenoid, Start (Includes Nuts and Washers)				
				36	517-0133	1	Plug, Hole – 50 Hz
15	320-1561-02	1	Guard, Breaker – Circuit (Use with Single Pole Breakers Only)	37	303-0276	1	Potentiometer – 50 Hz
				38	870-0183	1	Nut, Hex – W/ET (#6) – 50 Hz
16			Breaker, Circuit				
			60 Hz	39	332-2112	1	Insulator, Terminal – Start
			4.0	40	321-0323-02	1	Bracket, Holder – Fuse (Begin Spec K)
	320-1323	1	30 Amp Volt Code 1R,FA				
	320-1683	2	20 Amp Volt Code FR				
			5.0				
	320-1323	1	30 Amp (CB1)				
	320-1683	1	20 Amp (CB2)				
	320-1548-02	1	50 Hz				

**Breather Tube Bypass
(Cold Weather Use Only)**



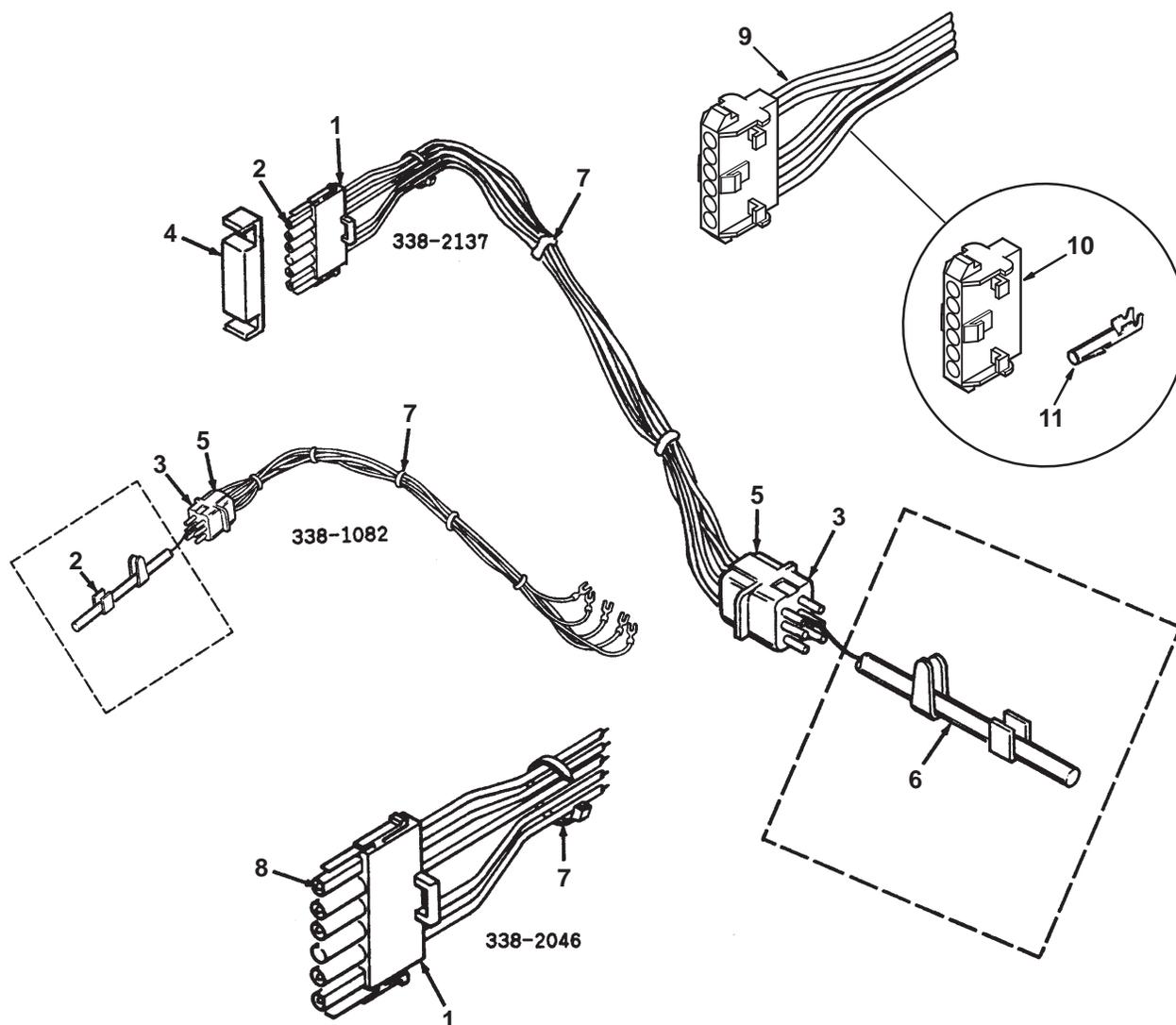
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-1551	1	Tube, Breather
2	502-1026	1	Elbow, 90'
3	517-0260	1	Plug, Cap

Wiring Harness PCB #3



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-2041	1	Harness, Wiring		323-1440	8	Gasoline Units
	338-2635	1	6 Pin Housing – 5 Wire – Gasoline – Volt Code FA				Use With 8 Pin Housing – LP Liquid/Vapor
	338-2634	1	LP Liquid – Begin Spec H – Volt. Code FA, FN	2	323-1329	1	Housing
	338-2086	1	Gasoline – Begin Spec H		323-1312	1	6 Pin
1	323-1302	6	6 Pin Housing – BGEL		323-1487-03	1	8 Pin
			Pin, Contact	3	357-0067	1	12 Pin
			Use With 6 Pin Housing –	4	323-1486	1	Rectifier – BGEL
							Socket, Contact

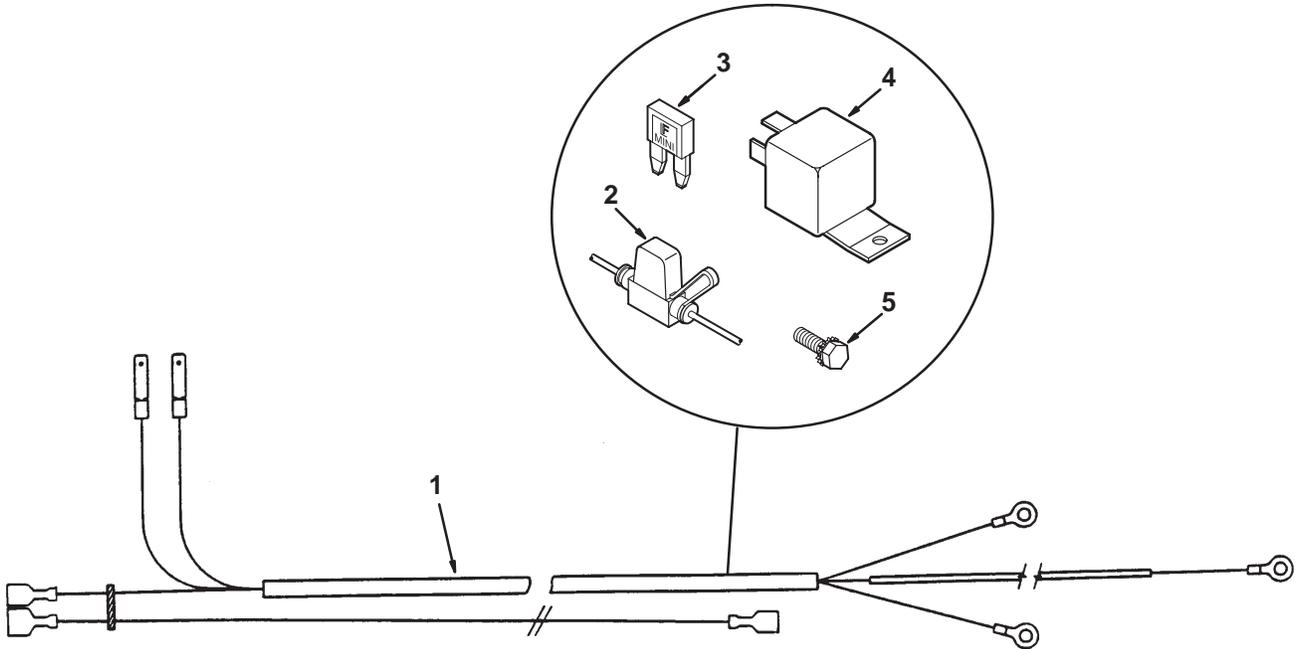
Remote Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-1082	1	Harness, Wiring – Remote Without Socket – 6” Long (Includes 5 Connector Pins)	6	323-0488	1	Socket Connector – Female
	338-2137	1	With Socket – 6” Long	7	332-0942	1	Tie, Cable
	338-2046	1	Without Socket (Includes 5 Contact Pins)	8	323-1199	5	Pin, Contact
1	323-1304	1	Housing, Connector	9	338-3572	1	Harness, Adapter (Includes Parts Marked *) (Use With Gasoline and LP Kits 300-4936, 300-4937, & 300-2938)
2	323-0500	6	Pin, Connector – Male Use with 6 Pin Harness	10	323-1342	1	*Housing, Terminal
	323-0500	5	Use with 5 Pin Harness	11	323-1200	5	*Socket, Contact
3	323-0440	1	Housing, Socket Pin				
4	323-1303	1	Connector, 6 Pin				
5	323-0400	1	Housing, Connector Pin				

* – Parts Included in Adapter Harness.

Wiring Harness Begin Spec J



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Engine Spec J	4	307-1886	1	*Relay (K4)
	338-2766	1	Gasoline Engines	5	815-0181	1	*Screw, Thread Cutting – Hex Head (w/ET) (10-32 x 1/2")
	338-2767	1	LP Liquid Engines				
	338-3054		Begin Spec K (Includes Parts Marked *)				
2	321-0322-01	1	*Holder, Fuse				* – Parts Included in 338-3054 Wiring Harness.
3	321-0321-06	1	*Fuse (F2) (Mounts Between K1 and K4)				

25Labels, Paint, Thread Sealant, Gasket Kits, and Carburetor Kits

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
98-5313		1	Label, Warning (Battery Cables)	98-6566		1	#Label, Fuse
98-5142		1	Label, Warning (Fire Hazard)	98-6587-03		1	#Label, Kit Number
98-5626		1	Decal (Emerald I) – 60 Hz	98-6618-01		1	#Label, Oil Fill
98-5852		1	Decal (Emerald I) – 50 Hz	123-1961		1	#Cap, Oil Fill
98-6164-01		3	Label, Performer – 18 Horse power	140-2308		1	#Gasket, Airhorn SubAssembly
98-5755		1	Label, Warning (Hazardous Voltage)	140-2725		1	#Adapter Assembly
98-5958		1	Label, LP Kit	141-0958		1	#Gasket, Carburetor
98-5777-01		1	Label, Warning (Improper Operation)	145-0667		1	#Rod, Air Inlet
98-5815		1	Service Instructions – BGE	146-0577		1	#Carburetor, Auto Choke
98-6074-02		1	Label, Warning (Operation, Maintenance and Service) (2.38" Size)	150-2421		1	#Spring, Compression
98-6285-02		1	Decal (Onan 4000 Gen Set) (Begin Spec H)	150-2589		2	#Washer, Friction
98-6276		1	Label, Warning – RV Units	167-0272		2	#Plug, Spark
98-6618-01		1	Label, Oil Fill	226-4599		1	#Lead Assembly, Engine
98-6041		1	Label, Warning (Voltage-Gas)	304-0797		1	#Resistor
98-6388-02		1	Label, Phone Information	305-0718		1	#Bridge, Rectifier
98-6285-03		1	Silkscreen, Model Identification (4000)	321-0357-02		1	#Bracket, Fuse Holder
98-5821		1	Label, Listed – RV – 60 Hz	332-1445		5	#Tie, Cable
98-6284		1	Silkscreen, Model Identification (Emerald One)	338-2895		1	#Harness, PCB #1
98-6661		1	Decal, Model Ident (Onan 5000 GenSet)	338-3010		1	#Harness, Battery Charging
518-0452		1	Sealant, Thread (50cc. Bottle)	338-3054		1	#Harness, Engine
518-0602		1	Loctite, Bottle (250cc)	502-0028		1	#Plug, Hex Head Pipe
525-0305		1	Paint, Enamel Touch-Up Green (Non-Metallic) 13 oz. Pressurized Can	509-0096		1	#Seal, O-Ring
168-0189		1	Kit, Gasket – Carbon Removal (Includes Parts Marked *)	509-0313		1	#O-Ring
110-3709		3	*Gasket, Valve Box	518-0606		1	#Clip, Linkage
110-3181		2	*Gasket, Cylinder Head	815-0181		1	#Screw, Hex Head Thread Cutting With ET
154-2542		1	*Gasket, Exhaust Manifold	815-0590		3	#Screw, Special
154-2800		1	*+Gasket, Exhaust Manifold	815-0788		1	#Screw, Pan Head Torx
110-3604		2	*+Seal, Intake Valve	862-0015		1	#Nut, Hex
154-2746		2	*Gasket, Exhaust Manifold	146-0663		1	Kit, Emissions Auto-Choke Carburetor (Includes Parts Marked ~)
509-0289		2	*Seal, Valve Stem	146-0630		1	~Carburetor, Emissions and Auto Choke
154-2495		2	*Gasket, Intake Manifold (BGE)	141-0958		1	~Gasket, Carburetor
146-0616		1	Kit, Auto-Choke Carburetor (Includes Parts Marked #)	140-2308		1	~Gasket, Air Horn
G-0194		1	#Instruction Sheet				

* – Parts Included in 168-0189 Gasket Kit.

+ – Parts Included in 168-0187 Gasket Kit.

– Parts Included in Auto-Choke Carburetor Kit.

~ – Parts Included in Emissions Auto-Choke Carburetor Kit.

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