



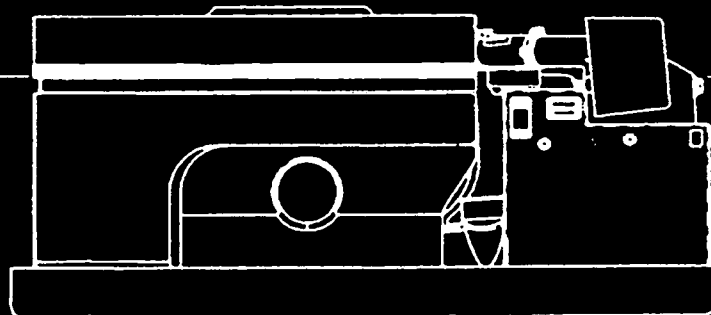
Parts Catalog

TGHAA

Generator Set

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TECHNICAL LITERATURE



Printed in U.S.A.

965-0906 (Spec A-C) 12-98

Replaces 965-0204 (Spec A) 1-97

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.

DANGER

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

WARNING

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

CAUTION

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

PRODUCT SAFETY PRECAUTIONS

WARNING

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

WARNING

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

WARNING

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

WARNING

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

Introduction

This manual applies to the standard Generator Set 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. 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 NUMBER	WIRING DIAGRAM	VOLTS	HERTZ	WIRE	FUEL
5.6TGHAA/*	611-1247	120/240	60	2	Natural Gas
5.6TGHAA/*	611-1247	120	60	2	Natural Gas
5.6TGHAA/*	611-1247	230	50	2	LP Vapor
6.0TGHAA/*	611-1247	120/240	60	2	LP Vapor
6.0TGHAA/*	611-1247	120	60	2	LP Vapor

* – 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 (1A, 1B, etc.) model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.

NOTE: See Parts Book #913-0202 for Transfer Switch Information.

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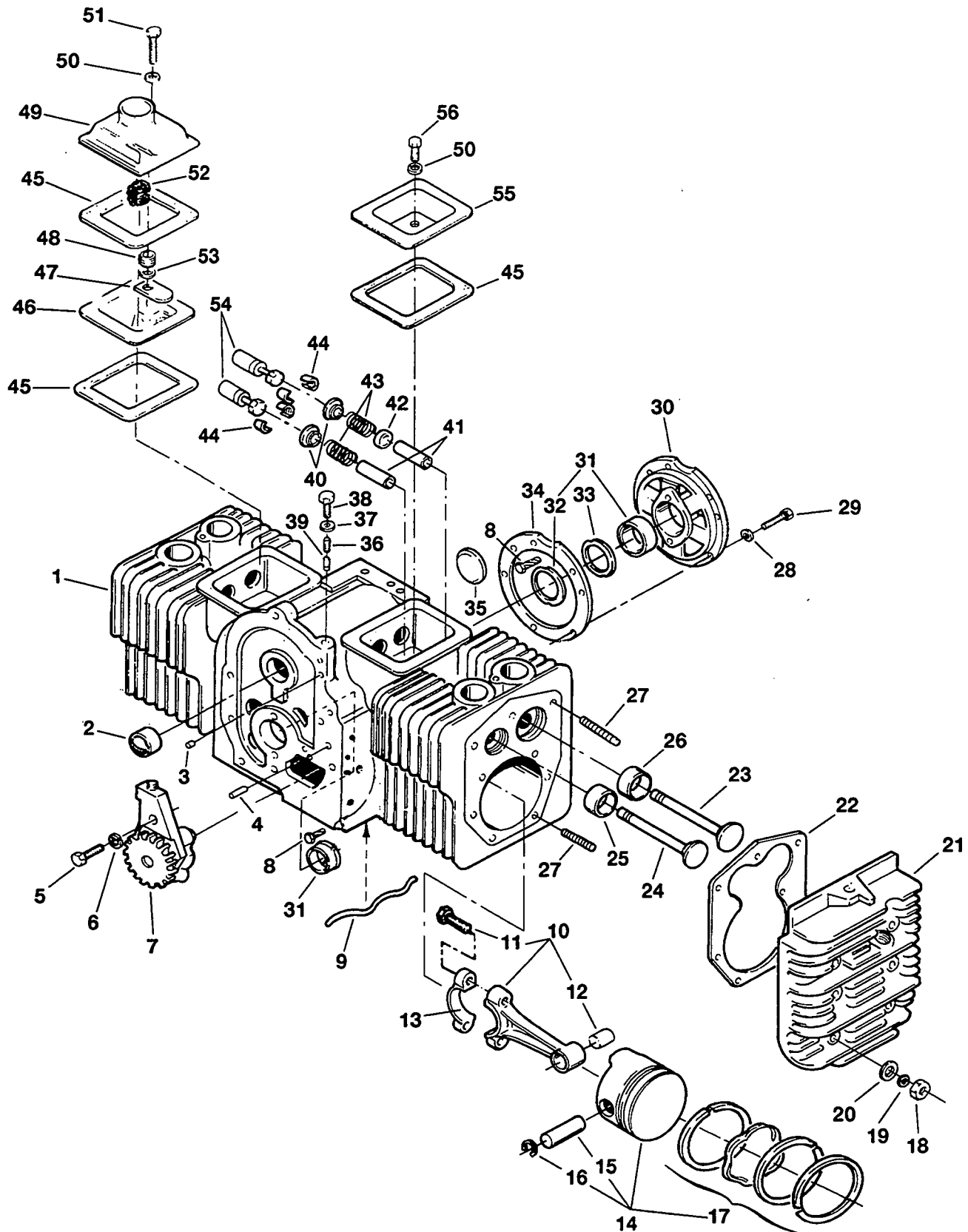
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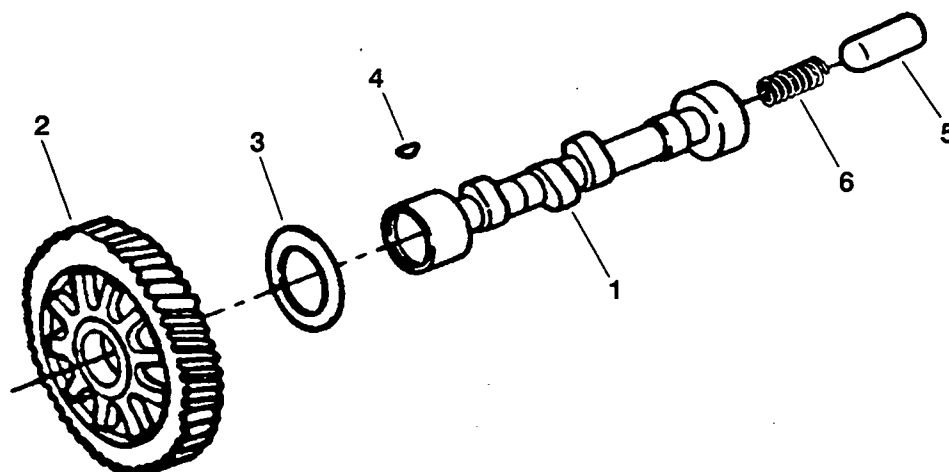
Cylinder Block



Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Block, Cylinder (See Shortblock Catalog #932-0109)	27			Stud, Cylinder Head Mounting 3/8 x 2-19/32" (Install 4 Bottom Holes - RH, LH Heads)
2	101-0405	2	Bearing, Camshaft (Precision)		520-0919	8	
3	517-0067	1	Plug, Core Hole		520-0876	4	3/8 x 2-3/4" (Install 2 Top Holes - RH, LH Heads)
4	516-0141	2	Pin, Gearcase Alignment		520-0918	8	3/8 x 3" (Install 4 Middle Holes - RH, LH Heads)
5	800-0007	2	Screw, Hex Head Cap (1/4-20 x 1")	28	526-0402	5	Washer, Flat (.395")
6	740-1004	2	Washer, Flat (M6)	29	800-0051-01	5	Screw, Hex Head Cap (3/8-16 x 1-1/4")
7	120-0491	1	Pump, Oil (Components Not Sold Separately)	30	101-0439	1	Plate, Rear Bearing
8	516-0072	2	Pin, Bearing Stop Drive	31			Bearing, Crankshaft (Includes Thrust Washer)
9	120-1320	1	Tube, Cylinder Block Oil		101-0804	2	Standard
10	114-0203	2	Rod, Connecting (Includes Bolt and Bushing)		101-0804-02	2	.002" Undersize
11	805-0010	4	Bolt, Connecting Rod (Special)		101-0804-10	2	.010" Undersize
12	114-0036	2	Bushing, Piston Pin		101-0804-20	2	.020" Undersize
13			Bearing, Connecting Rod Half		101-0804-30	2	.030" Undersize
	114-0188	4	Standard	32	104-0575	2	Washer, Thrust (Special)
	114-0188-02	4	.002" Undersize	33			Shim, Crankshaft
	114-0188-10	4	.010" Undersize		104-0776	1	.005"
	114-0188-20	4	.020" Undersize		104-0776-01	1	.003"
	114-0188-30	4	.030" Undersize				Use as Required
14			Piston (Includes Pin, Rings and Retaining Rings)	34	101-0809	1	Gasket, Bearing Plate
	112-0265	2	Standard	35	517-0048-01	1	Plug, Camshaft Welch Opening (1-5/8")
	112-0265-05	2	.005 Oversize	36	120-0140	1	Spring, Bypass Valve
	112-0265-01	2	.010 Oversize	37	526-0066	1	Washer, Copper Flat (3/8")
	112-0265-02	2	.020 Oversize	38	801-0050	1	Screw, Hex Head Cap 21 psi (3/8-24 x 7/8")
	112-0265-03	2	.030 Oversize	39	120-0398	1	Plunger, Bypass Valve
15	112-0268	2	Pin, Piston	40	110-0904	4	Rotocap, Exhaust
16	112-0267	4	Ring, Retaining	41			Guide, Valve
17			Kit, Piston Ring		110-3167	2	Exhaust
	113-0311	2	Standard		110-3168	2	Intake
	113-0311-05	2	.005 Oversize	42	110-3604	2	Seal, Intake Valve Stem Oil
	113-0311-01	2	.010 Oversize	43	110-0539	4	Spring, Valve
	113-0311-02	2	.020 Oversize	44	110-0639	8	Lock, Valve Spring
	113-0311-03	2	.030 Oversize	45	110-3575	3	Gasket, Valve Cover
18	104-0091	20	Nut, Hex (Special) (3/8-24)	46	123-1653	1	Pan, Breather
19	851-0029	24	Washer, Compression Lock (Special) (3/8 x 1-1/16 OD)	47	123-1175	1	Reed, Breather Valve
20	526-0250	20	Washer, Flat (Special) (3/8")	48	123-1174	1	Spring, Breather Valve
21	110-3549	2	Head, Cylinder	49	123-1654	1	Cover, Left Side Breather
22	110-2987	2	Gasket, Cylinder Head	50	526-0063	2	Washer, Copper Flat (1/4")
23	110-1718	2	Valve, Intake	51	800-0013	1	Screw, Hex Head Cap (1/4-20 x 2-1/2")
24	110-1719	2	Valve, Exhaust	52	123-1871	1	Filter, Breather
25			Seat, Exhaust Valve	53	526-0018	1	Washer, Flat (1/4")
	110-3462	2	Standard	54			Tappet, Valve
	110-3462-01	2	.002" Oversize		115-0006	4	Standard
	110-3462-02	2	.005" Oversize		115-0006-02	4	.002" Oversize
	110-3462-03	2	.010" Oversize		115-0006-05	4	.005" Oversize
	110-3462-04	2	.025" Oversize	55	110-1624-01	1	Cover, Right Side Valve
26			Seat, Intake Valve	56	800-0011	1	Screw, Hex Head Cap (1/4-20 x 2")
	110-3655	2	Standard				
	110-3655-02	2	.002" Oversize				
	110-3655-05	2	.005" Oversize				
	110-3655-10	2	.010" Oversize				
	110-3655-25	2	.025" Oversize				

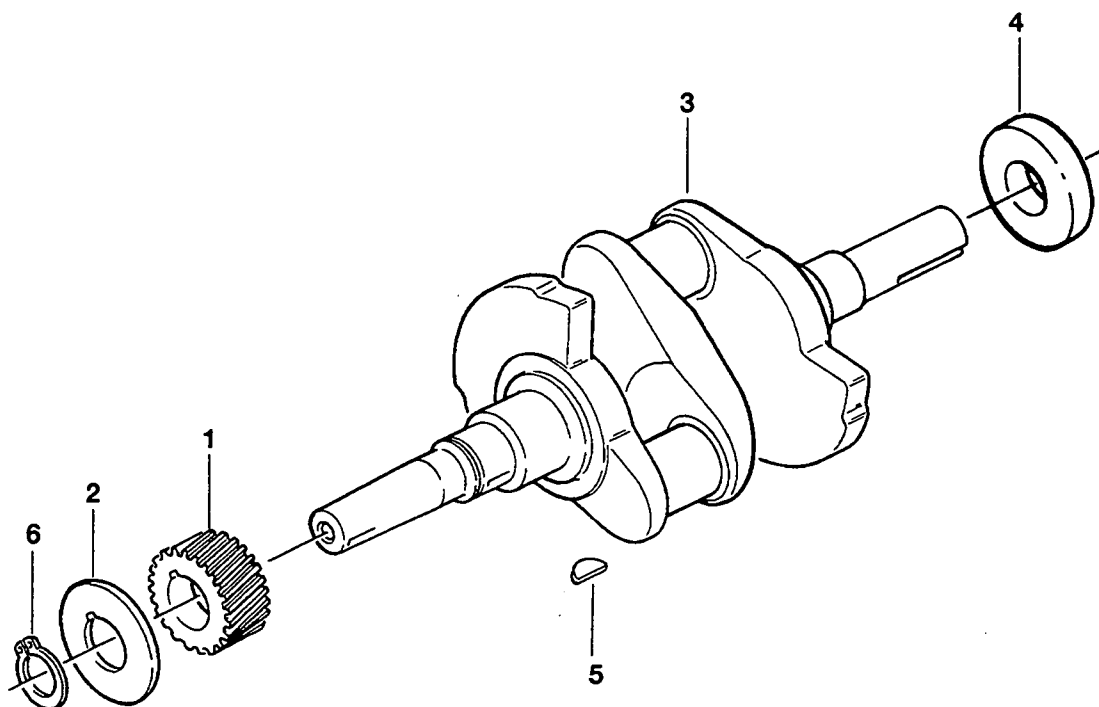
Camshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	105-0676	1	Camshaft
2	105-0641	1	Gear (Includes Spacer and Plate)
3	105-0541	1	Washer, Thrust

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	515-0001	1	Key, Woodruff
5	105-0058	1	Plunger, Camshaft
6	105-0059	1	Spring, Plunger

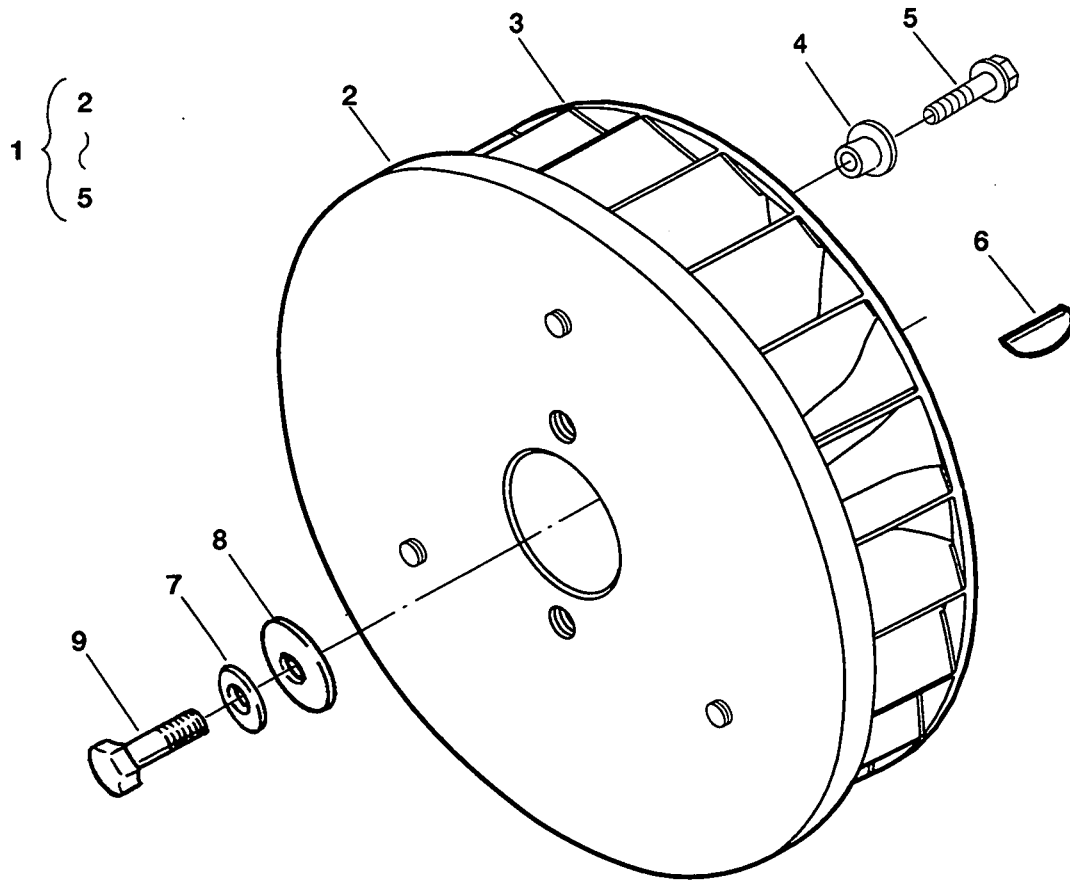
Crankshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-0032	1	Gear, Crankshaft
2	104-0043	1	Washer, Gear
3	104-1736	1	Crankshaft

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	509-0041	1	Seal, Rear Oil
5	515-0001	1	Key, Gear
6	518-0014	1	Ring, Retaining

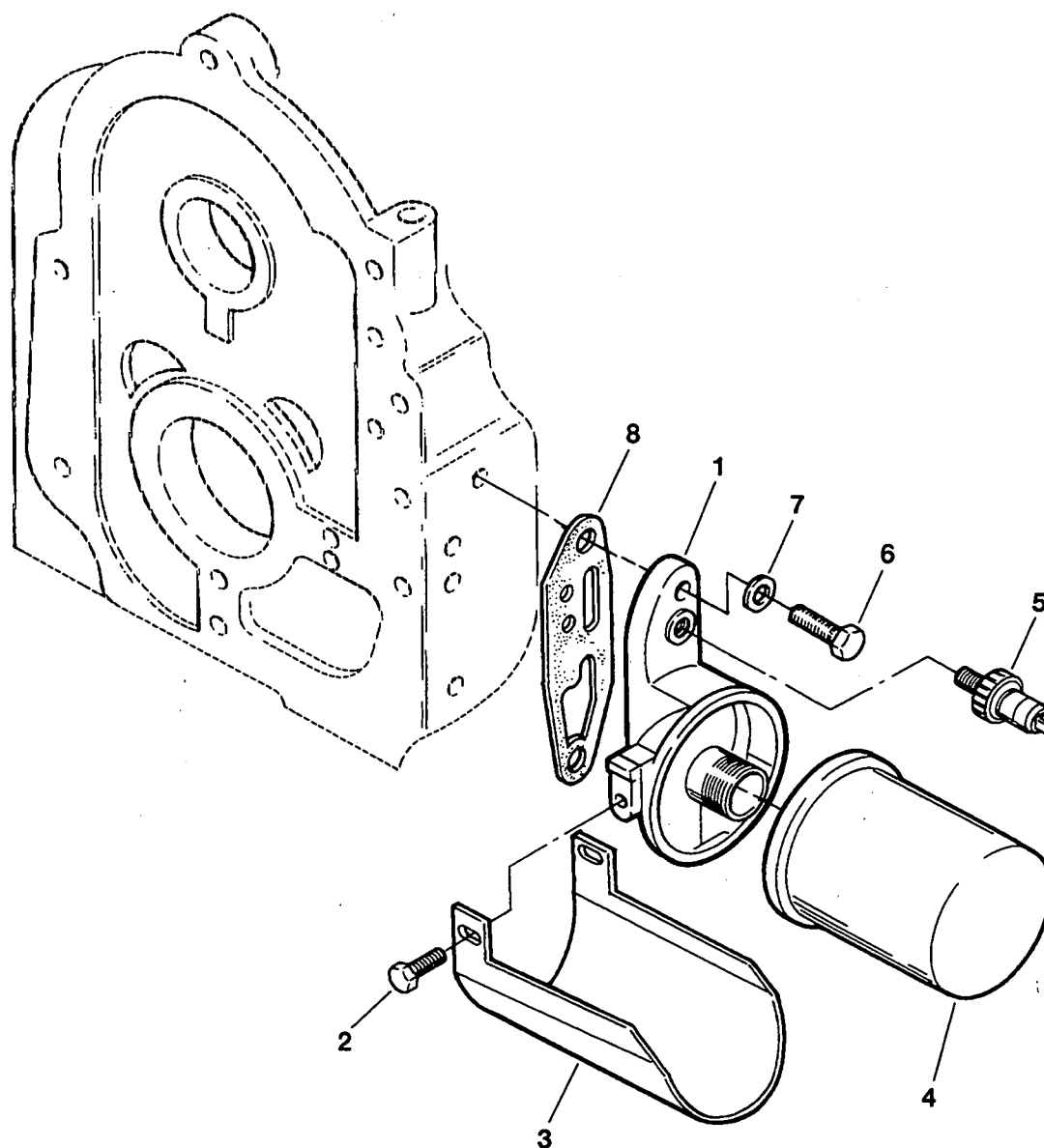
Blower Wheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-5182	1	Wheel, Blower (Includes Parts Marked *)	8	526-0017	1	Washer, Flat (7/16" x 1/4"Thk)
2	134-5150	1	*Hub, Blower Wheel	9	104-0170	1	Special Screw (Special)
3	205-0249	1	*Fan				
4	134-4531	3	*Insert, Fan				
5	821-2034	3	*Screw, Lock Flange				
6	515-0098	1	Key, Blower Wheel				
7	526-0356	1	Washer, Flat (7/16" x 1/8"Thk)				
			Special				

* - Parts Included in Blower Wheel.

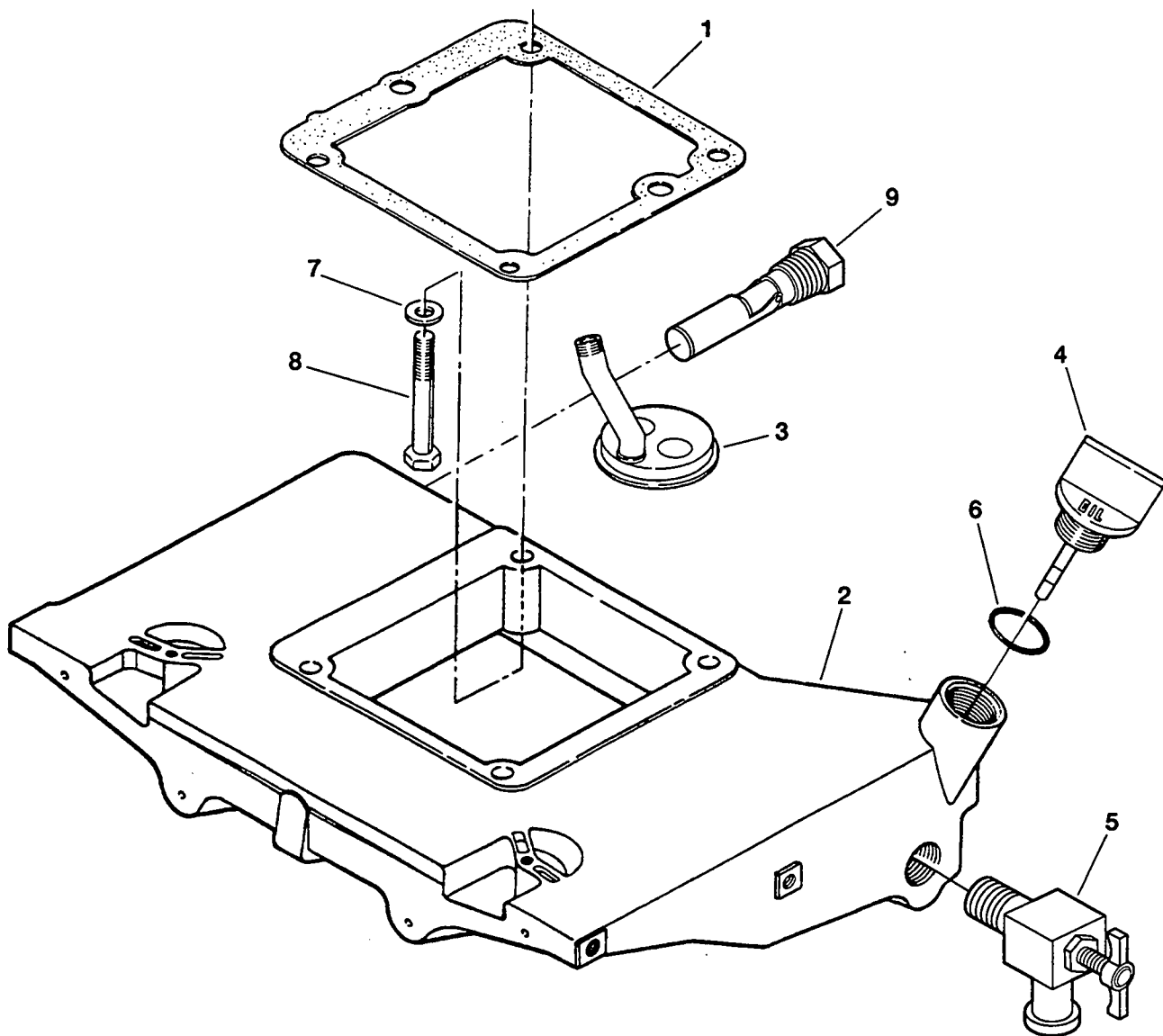
Oil Filter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0814	1	Adapter, Oil Filter (Includes Screws)
2	815-0340	2	Screw, Hex Washer Head Thread Forming (#10-32 x 3/8")
3	122-0360-53	1	Drain, Oil Filter

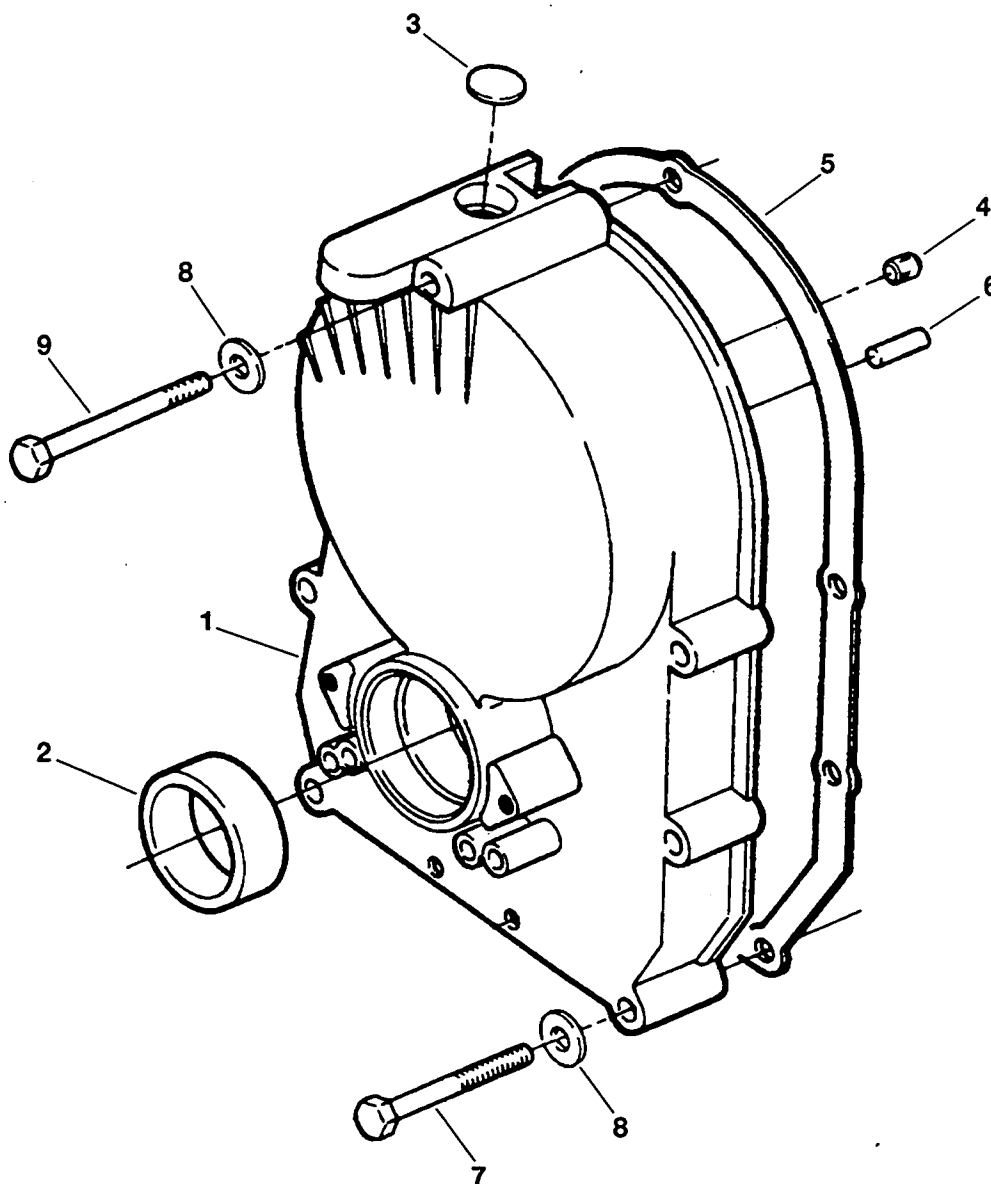
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	122-0469	1	Filter, Oil
5	309-0615	1	Switch, Low Oil Pressure (S2)
6	800-0028-01	2	Screw, Hex Head Cap (5/16-18 x 1")
7	526-0065	2	Washer, Copper Flat (5/16")
8	122-0771	1	Gasket, Oil Filter Adapter

Oil Base



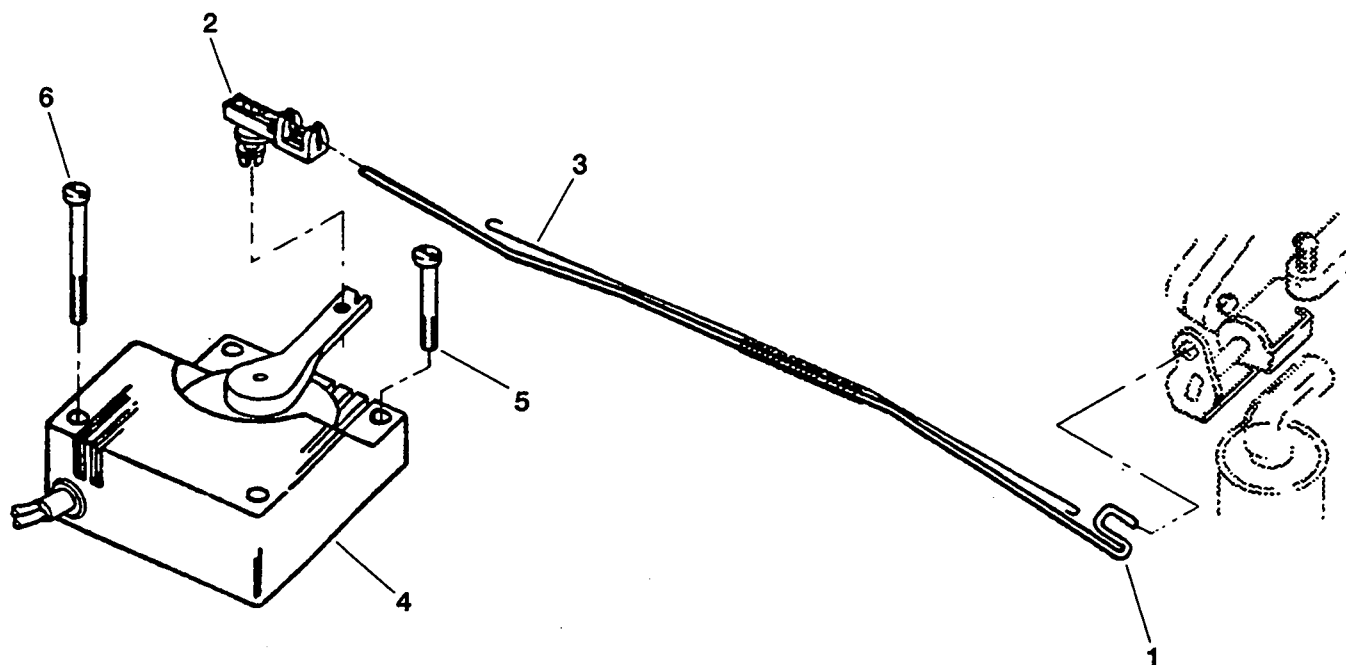
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1387	1	Gasket, Oil Base	6	509-0246	1	O'Ring (1-1/4" ID)
2	102-1457-02	1	Base, Oil	7	526-0251	4	Washer, Flat (3/8")
3	123-1616	1	Cup, Oil Pickup	8	800-0052-01	4	Screw, Hex Head Cap (3/8-16 x 1-1/2")
4	123-2092	1	Cap, Oil Fill	9	309-0653	1	Switch, Oil Level (S4)
5	504-0150	1	Valve, Shut-Off				

Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	103-0813	1	Gearcase (Includes Oil Seal and Plugs)	6	516-0141	2	Pin, Alignment
2	509-0040	1	Seal, Oil	7	800-0032-01	4	Screw, Hex Head Cap (5/16-18 x 1-3/4")
3	517-0293	1	Plug, Expansion	8	526-0065	5	Washer, Flat (5/16")
4	516-0051	1	Plug, Gearcase	9	800-0545	1	Screw, Hex Head Cap (2-3/4" Lg.)
5	103-0810	1	Gasket, Gearcase				

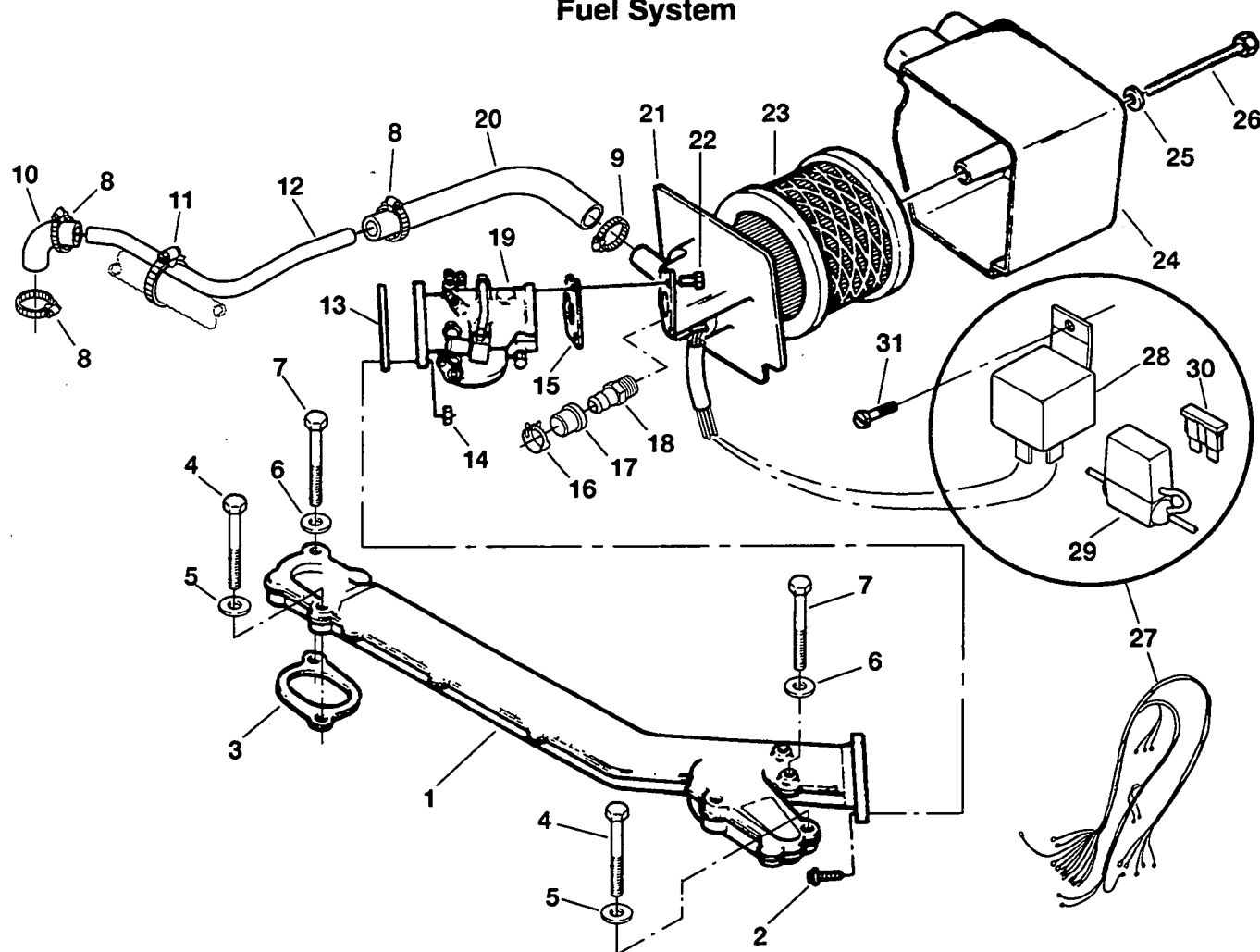
Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2424	1	Rod, Throttle Control
2	150-2425	1	Clip, Throttle Control Rod
3	150-2426	1	Spring, Throttle Rod
4	151-0701	1	Actuator, Governor (K4)

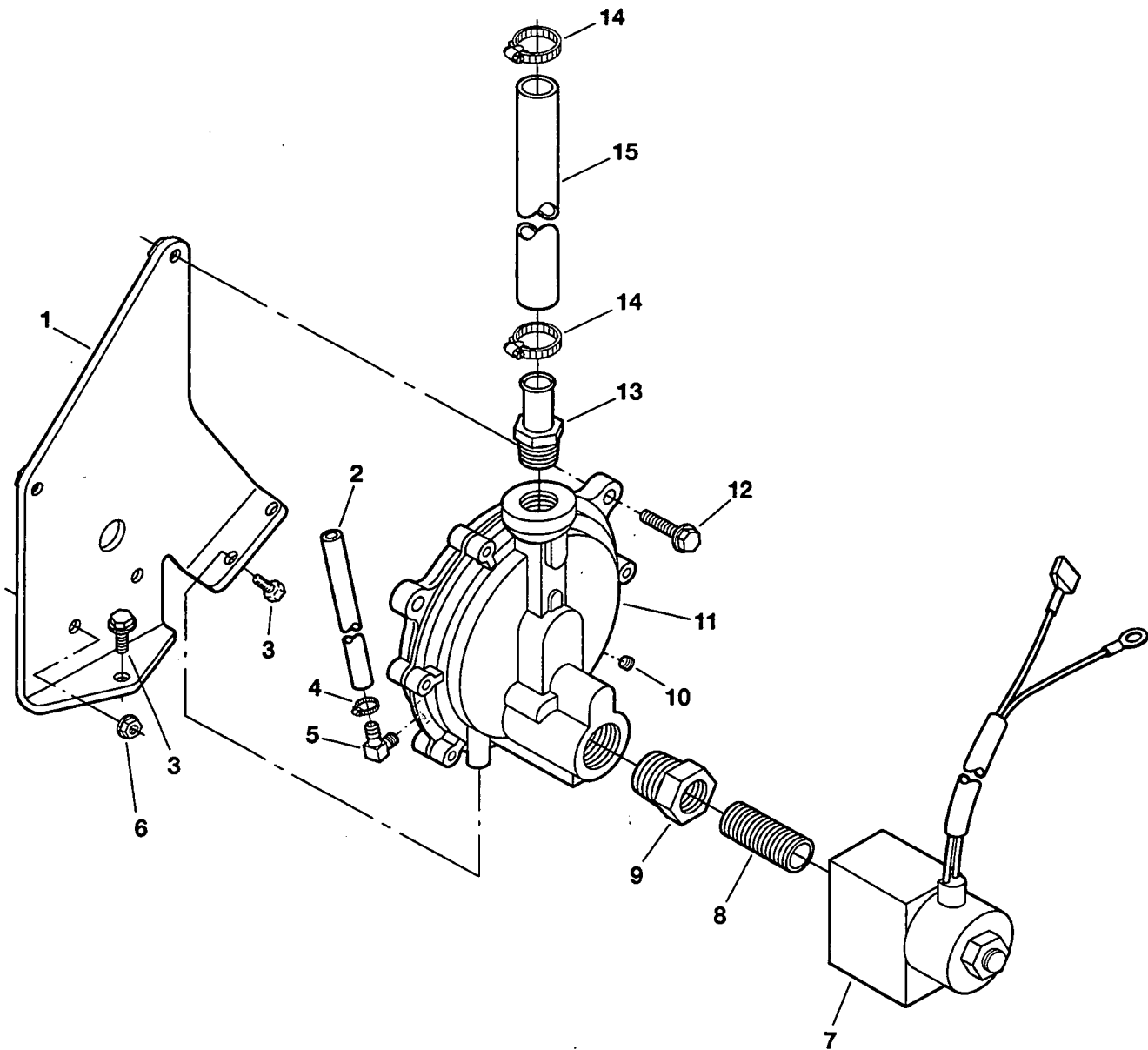
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	815-0783-01	2	Screw, Pan Head (10-32 x 1.625" Lg)
6	815-0783-02	2	Screw, Pan Head (10-32 x 2.125" Lg)

Fuel System



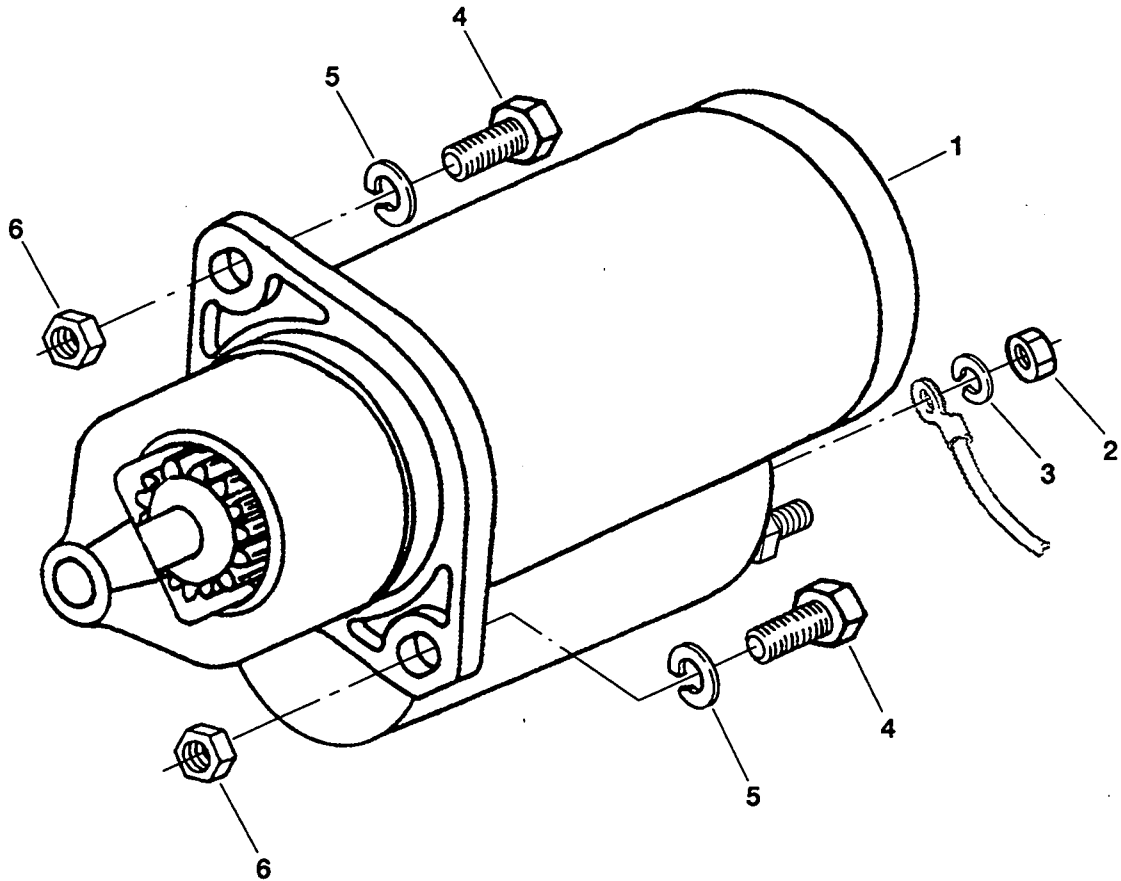
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3027	1	Manifold, Intake	20	123-2097	1	Adapter, Breather Tube (Air Cleaner Adapter End)
2	815-0587	2	Screw, Hex Washer Head (Special) (5/16-18 x 1")	21			Adapter, Air Cleaner (Includes Heater)
3	154-2219	2	Gasket, Intake Manifold		140-3094-00	1	Natural Gas (W/Fuel Hose Connection Hole)
4	800-0055-01	2	Screw, Hex Head Cap (3/8-16 x 2-1/4")		140-3094-01	1	LP Vapor (W/O Fuel Hose Connection Hole)
5	526-0251	2	Washer, Flat (3/8")	22	815-0590	3	Screw, Hex Head Cap (Special) (10-32 x 1/2")
6	526-0122	2	Washer, Flat (5/16")	23	140-2379	1	Element, Air Cleaner
7	800-0034-01	2	Screw, Hex Head Cap (5/16-18 x 2-1/4")	24	140-2962	1	Housing, Air Cleaner
8	503-1336	3	Clamp, Breather Tube Hose (.900" Diameter)	25	526-0021	1	Washer, Flat (1/4")
9	503-1337	1	Clamp, Breather Tube Hose	26	800-0017	1	Screw, Hex Head Cap (1/4-20 x 3-1/2")
10	123-2096	1	Adapter, Breather Tube (Engine Breather End)	27	338-3600	1	Harness, Carburetor Heater (Includes Relay, Fuse Holder and Fuse)
11	503-0189	1	Clamp, Hose	28	307-1886	1	Relay (K2)
12	123-2098	1	Tube, Breather	29	321-0325	1	Holder, Fuse
13	141-0958	1	Gasket, Carburetor Mounting	30	321-0307-08	1	Fuse (25A) (F3)
14	862-0015	2	Nut, Hex (5/16-18)	31	815-0181	1	Screw, Hex Head Thread Cutting
15	140-2308	1	Gasket, Air Horn				
16	503-0731	1	Clamp, Hose (Spec A-B)				
17	149-1321	1	Cap, Fuel Fitting (Spec A-B)				
18	502-0395	1	Connector, Hose (Spec A-B)				
19			Carburetor				
	146-0718	1	Natural Gas				
	146-0734	1	LP Vapor				

Regulator



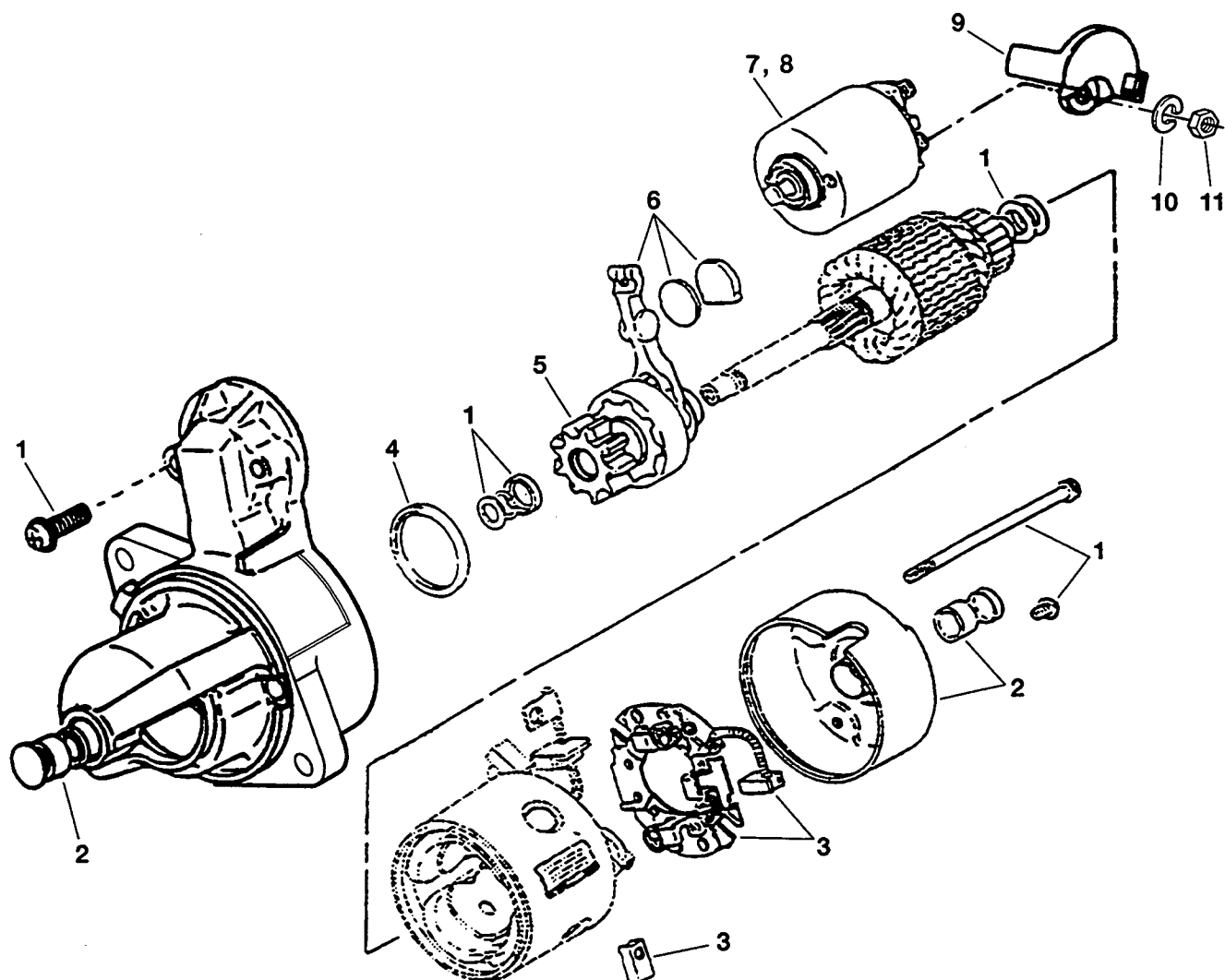
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION9
1	148-1121-02	1	Bracket, Regulator Mounting	8	505-0101	1	Nipple, Close (3/8")
2	503-2043	1	Hose, Regulator Vent	9	505-0131	1	Bushing, Reducer
3	821-0010	3	Screw, Lock Head Flange (1/4-20 x 1/2")	10	505-0274	1	Plug, Countersunk Head (1/8")
4	503-0685	1	Clamp, Hose	11	148-1020	1	Regulator, Natural Gas/LP
5	502-0313	1	Elbow, 90° Hose	12	821-0003	2	Screw, Lock Head (10-32 x 1")
6	870-0212	2	Nut, Self Lock (1/4-20)	13	502-0238	1	Connector, Hose
7	307-2880	1	Valve, Fuel Shut-Off	14	503-0183	2	Clamp, Hose
				15	503-2016	1	Hose, Fuel (1/2" x 22" Lg)

Starter



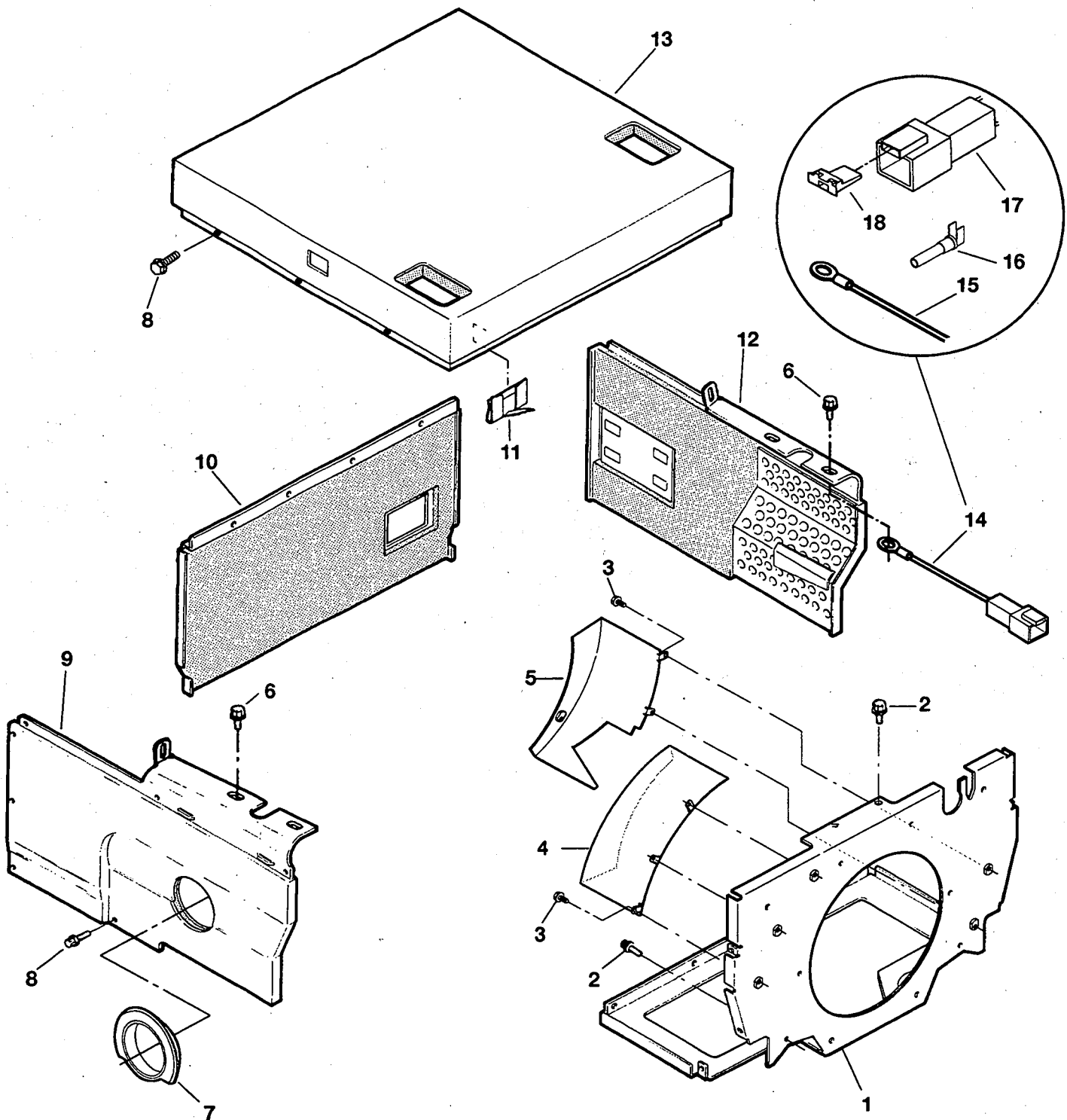
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1949-09	1	Starter (See Separate Page for Components) (B1)	4	800-0054	2	Screw, Cap Hex Head (3/8-16 x 2")
2	750-1006	1	Nut, Hex (M8 x 1.25)	5	850-0050	2	Washer, Lock (3/8")
3	850-2008	1	Washer, Lock (M8)	6	862-0003	2	Nut, Hex Spring (3/8-16)

Starter Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1949-09	1	Starter	5	191-1953	1	Kit, Drive (Includes Pinion Gear & Drive Assy)
1	191-1954	1	Kit, Hardware (Includes Two Solenoid Mounting Screws, Two Thru Bolts, Armature Shims, Pinion Stop Collar, Retaining Ring & Solenoid Terminal Nuts)	6	191-1766	1	Kit, Lever Shift (Includes Lever, Wear Plate, Rubber Plug & Grease)
2	191-1931	1	Kit, Bushing (Includes Rear Cap with Bushing & Front Bushing)	7	191-1956	1	Kit, Solenoid (Includes Solenoid & Spring Plunger)
3	191-1951	1	Kit, Brush (Includes Two Negative and Two Positive Brushes & Brush Holder)	8	191-2199-01	1	Solenoid
4	191-1955	1	Kit, Dust Seal (Includes ID & OD Pinion Seals)	9	191-1947	1	Cap, Solenoid
				10	850-2008	1	Washer, Lock (M8)
				11	750-1006	1	Nut, Hex (M8)

Air Housing

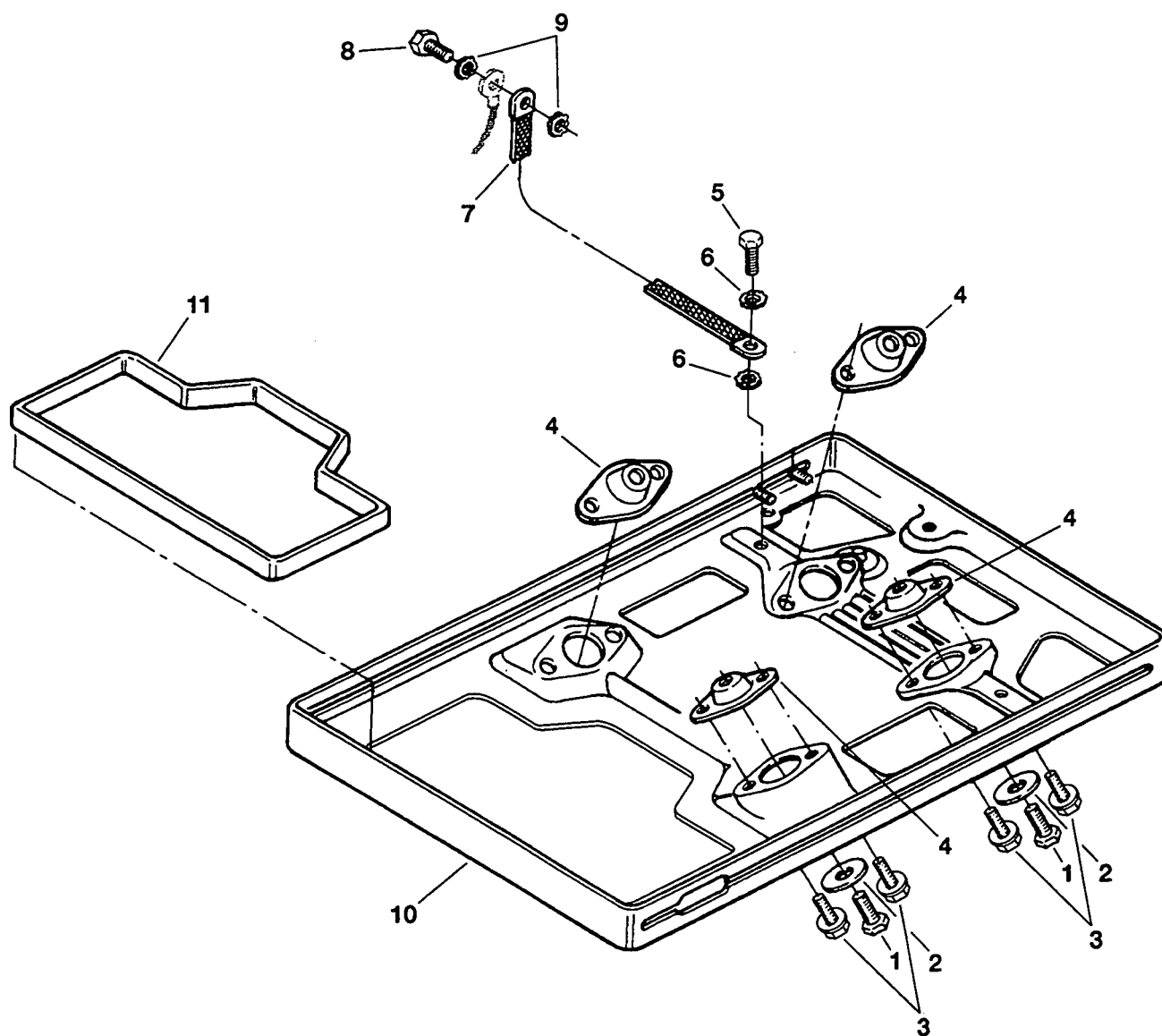


Air Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-5134-02	1	Backplate	12	134-4892	1	Cover, Left Side (Includes Indented Parts Listed Below)
2	815-0261	5	Screw, Hex Washer Head Cap Thread Forming (1/4-20 x 1/2")		134-4790-50	1	Cover, Inner Cylinder Head
3	821-0002	6	Screw, Lock Head Flange (10-32 x 1/4")	518-0581		5	Nut, Insulation Push On
4	134-5139-02	1	Volute, Right Side	815-0815		4	Screw, Torx Drive (1/4-20 x 1/2")
5	134-5138-02	1	Volute, Left Side	518-0574		4	Clip, Access Cover (1/4-20)
6	815-0508	4	Screw, Self-Locking Hex Washer Head (5/16-18 x .75")		134-4771-50	1	Cover, Tailpipe Access
7	122-0829	1	Seal, Oil Filter Air		134-4776	1	Insulation, Cylinder Head
8	815-0815	28	Screw, Hex Washer Head (1/4-20 x 1/2")		134-4769	1	Insulation, Muffler Box
9	134-4891	1	Cover, Right Side (Includes Indented Parts Listed Below)	13	134-5160-01	1	Cover, Top (Includes Indented Parts Listed Below and Spark Plug Wire Clip)
	134-4792-50	1	Cover, Inner Cylinder Head		134-4935	1	Insulation
	134-4765	1	Insulation, Cylinder Head		134-4805	1	Insulation, Right Hand
	134-4768	1	Insulation, Muffler Box		134-4806	1	Insulation, Left Hand
	518-0581	5	Nut, Insulation Push-On		134-4807	1	Insulation, Front
10	134-5166	1	Panel, Front (Includes Indented Parts Listed Below)		518-0581	3	Nut, Insulation Push-On
	134-4994	1	Insulation	14	309-0654	1	Sensor, Engine Temperature (Includes Parts Marked *)
	134-4771-50	1	Cover, Tailpipe Access	15	305-0957	1	Thermister
	518-0574	4	Clip, Access Cover (1/4-20)	16	323-1491	2	Terminal, Pin
	815-0815	4	Screw, Torx Drive Access Cover (1/4-20 x 1/2")	17	323-1505	1	Connector, Receptacle
	518-0581	5	Nut, Insulation Push On	18	323-1501	1	Wedge, Receptacle
11	518-0618	1	Clip, Spark Plug Wire				

* - Parts Included in Engine Temperature Sensor.

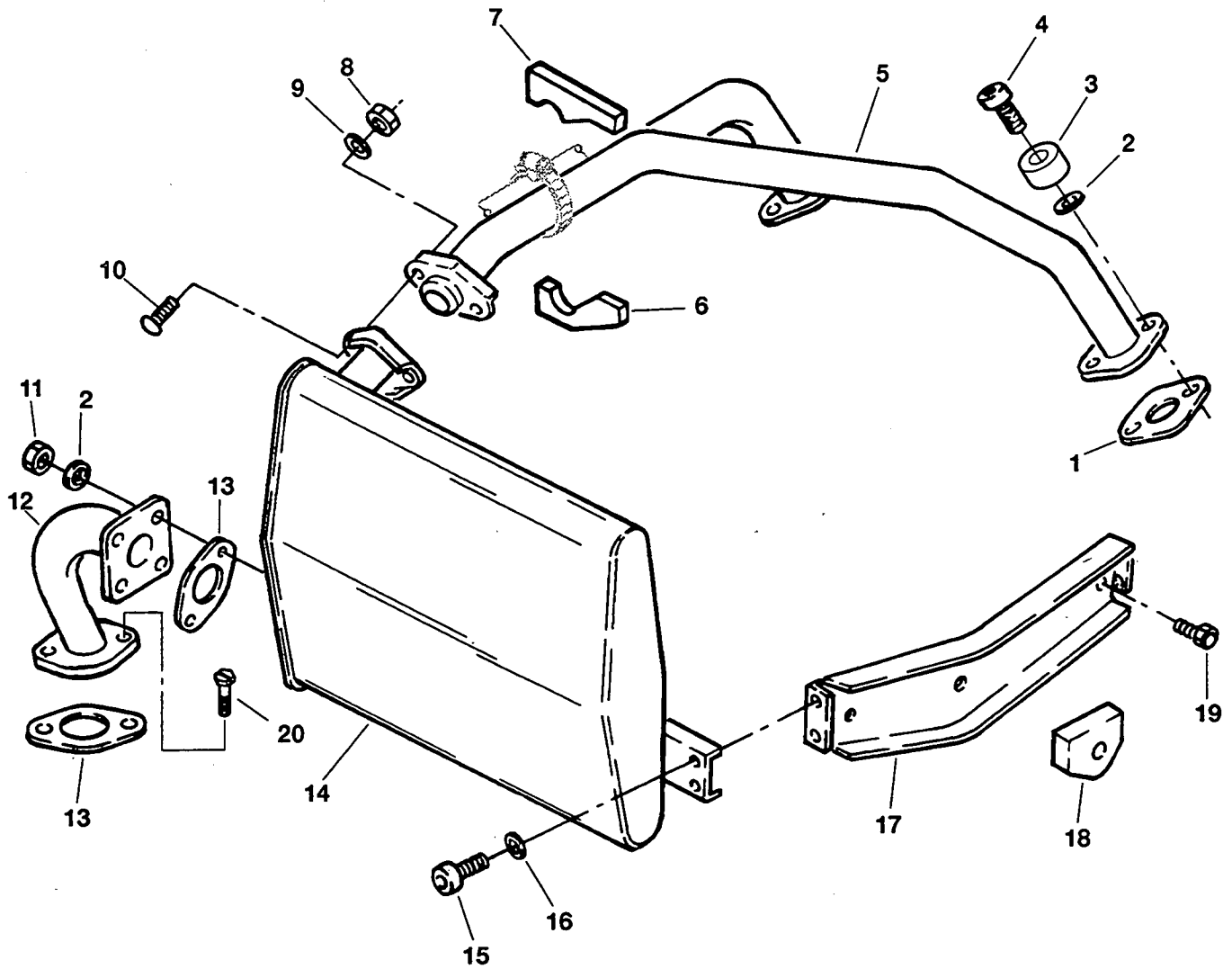
Drip Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0657	4	Screw, Hex Head Cap Thread Forming (3/8-16 x 2-3/4")
2	526-0325	4	Washer, Flat (13/32)
3	821-0010	8	Screw, Self-Locking Hex Flange Head (1/4-20 x 1/2")
4	402-0624	4	Isolator, Vibration
5	815-0236	1	Screw, Hex Head Thread Cutting (5/16-18 x 5/8")

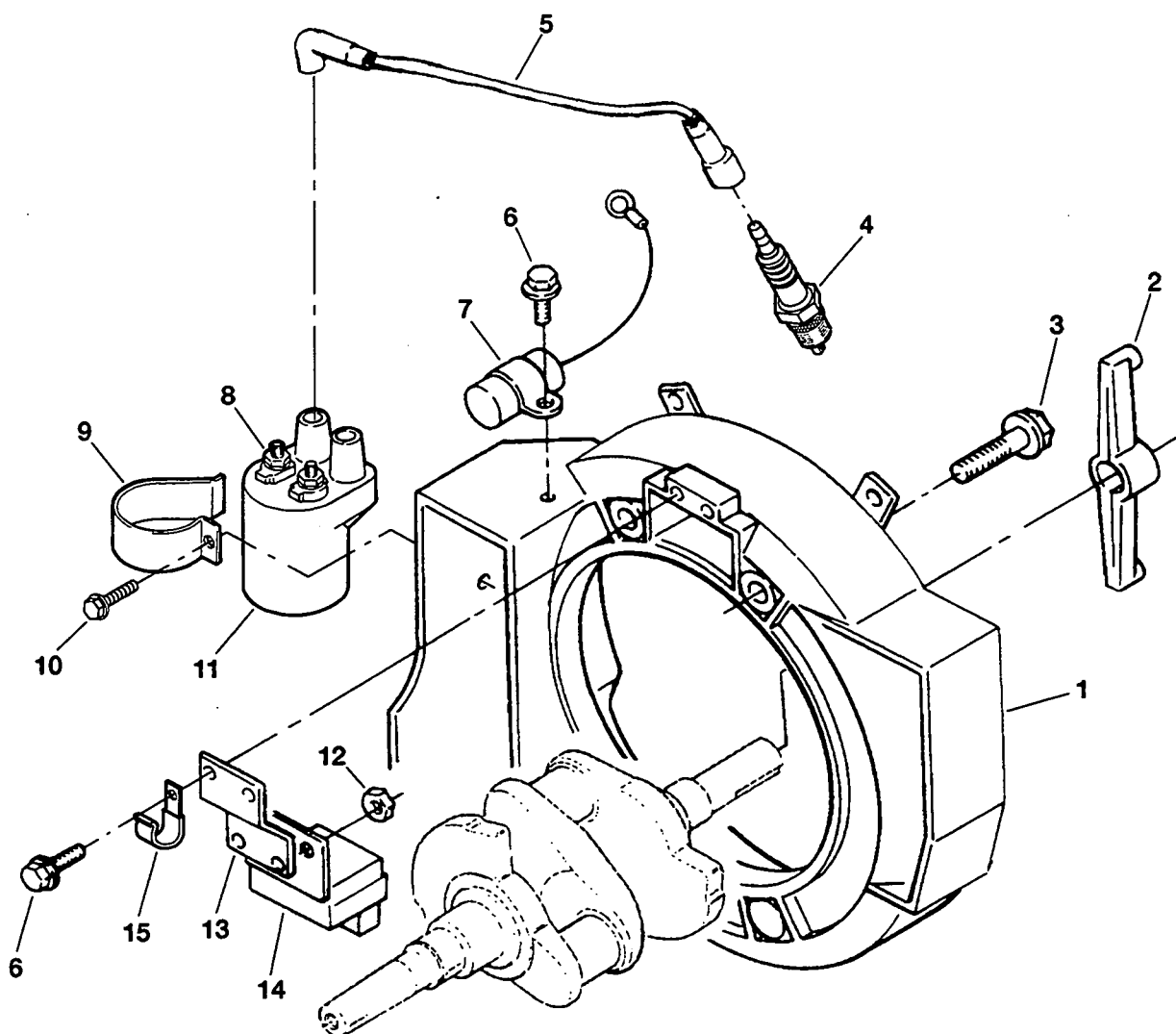
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	856-0008	2	Washer, EIT Lock (5/16")
7	337-2434	1	Strap, Ground
8	815-0610	1	Screw, Hex Head Cap Thread Forming (1/4-20 x 1")
9	856-0006	2	Washer, EIT Lock (1/4")
10	403-4132-02	1	Pan, Drip
11	134-4745	1	Seal, Air Outlet

Exhaust System



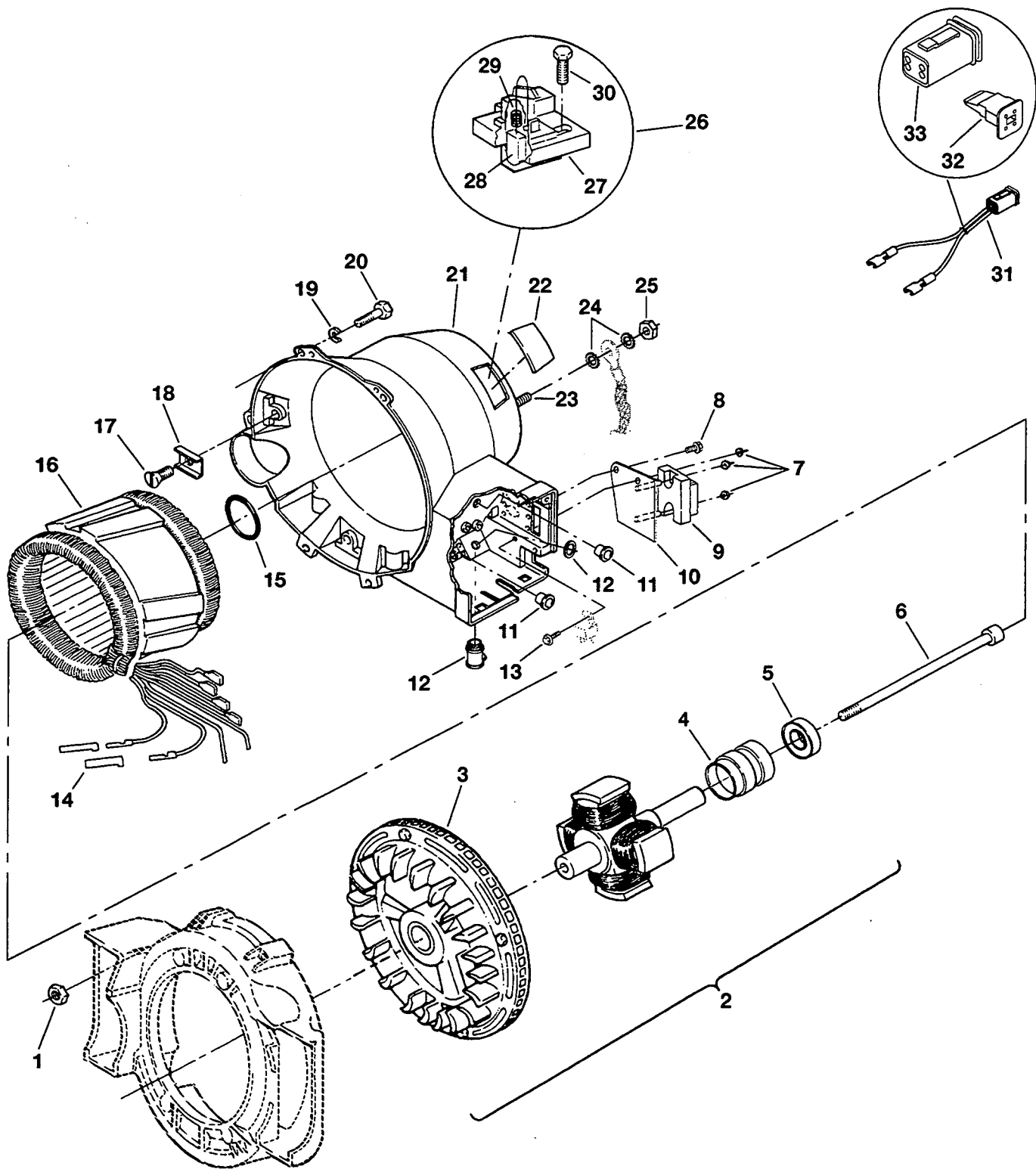
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2747	2	Gasket, Exhaust Manifold	12	155-2428	1	Steel
2	740-1006	6	Washer, Flat (M8)	13	154-2765	2	Tube, Exhaust
3	154-2870	4	Spacer, Washer	14	155-3156	1	Gasket, Muffler (LP Use 1)
4	802-0057-01	4	Screw, Socket Head (5/16-18 x 1")	15	815-0337	4	Muffler
5	154-3024	1	Manifold, Exhaust	16	526-0018	4	Screw, Hex Washer Head Cap Thread Forming (1/4-20 x 3/4")
6	134-4932-02	1	Insulation, Exhaust Manifold	17	155-2558	2	Washer, Flat (1/4")
7	134-4928-02	1	Insulation, Exhaust Manifold	18	155-2415	2	Support, Muffler
8	870-0048	2	Nut, Self-Locking (5/16-18 x 1-1/2)	19	815-0890	4	Seal, Muffler Support
9	526-0122	2	Washer, Flat (Special) (5/16")	20	800-0730	2	Screw, Hex Head Lock Flange Thread Form (3/8-16 x 1)
10	816-0140	2	Bolt, Carriage (5/16-18 x 1-1/4")				Screw, Hex Head
11	862-0014	2	Nut, Hex (5/16-18) Stainless				

Generator Adapter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	231-0382-01	1	Adapter, Generator	8			Nut, Hex Flange
2	166-0842-01	1	Rotor, Ignition		166-0770	2	M4 - Positive Terminal
3	800-0575-01	4	Screw, Hex Flange Head Cap (3/8-16 x 1")		166-0771	2	M5 - Negative Terminal
4	167-0272	2	Plug, Spark (E1, E2)	9	166-0747	1	Bracket, Ignition Coil
5			Cable, Spark Plug	10	815-0290	1	Screw, Self-Locking Hex Washer Head Thread Forming (1/4-20 x 5/8")
	167-1615-01	1	9"				
	167-1615-05	1	23"	11	166-0820	1	Coil, Ignition (T1)
6	815-0770	3	Screw, Self-Locking Hex Washer Head Thread Forming (#10-32 x 1/2")	12	870-0328	2	Nut, Self-Locking (#10-32)
7	312-0256	1	Capacitor (C2)	13	166-0794	1	Bracket, Ignition Control
				14	166-0821	1	Module, Ignition Control (S3)
				15	332-3198	1	Clip, Wire

Generator



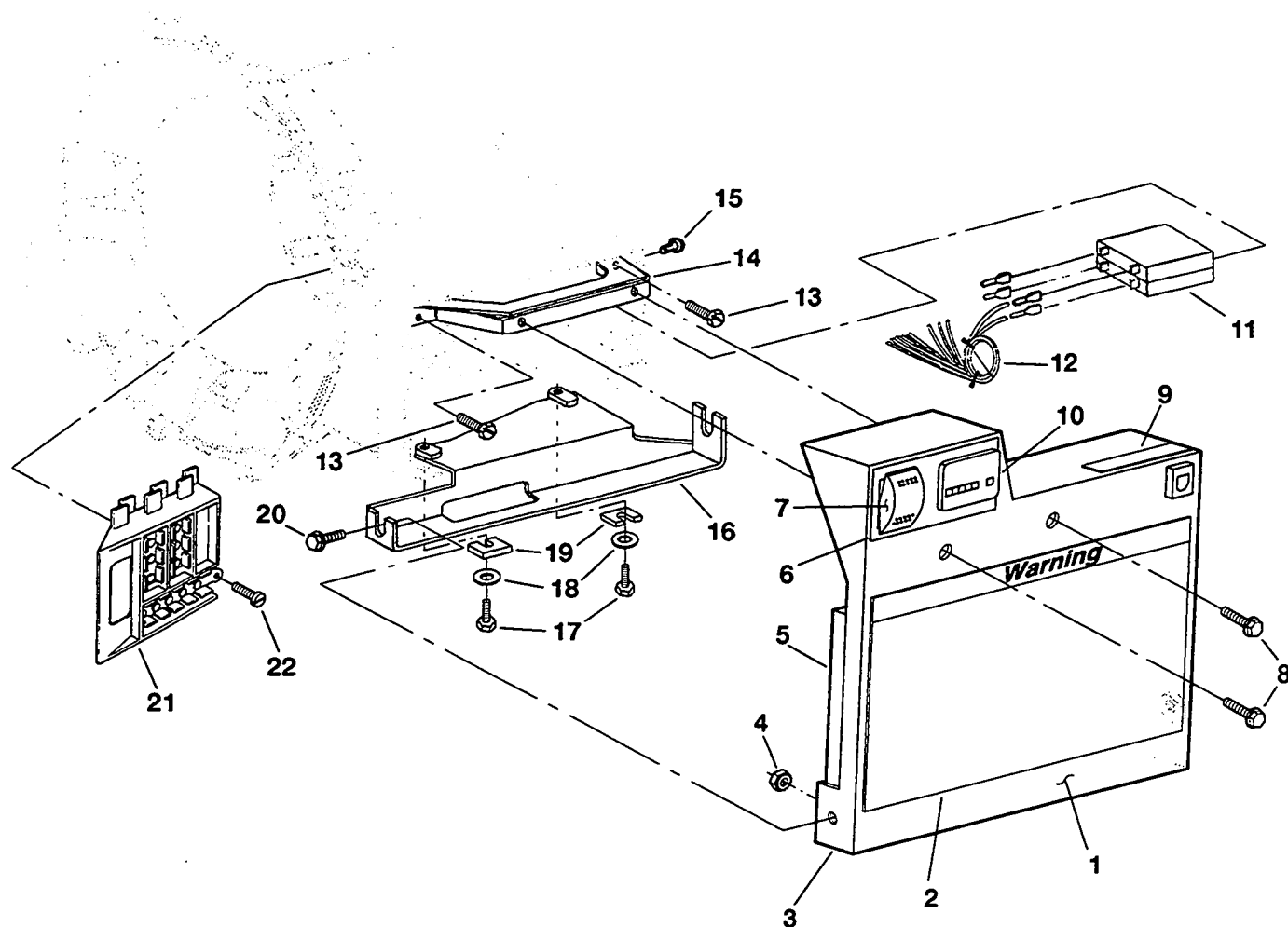
Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	862-0003	4	Nut, Hex (3/8-16)	20			Screw
2	201-3525-01	1	Rotor, Generator (Includes Parts Marked *)		800-0052	4	Hex Head Cap (3/8-16 x 1-1/2")
3	205-0241	1	*Fan, Generator (Includes Ring Gear)		815-0908	4	Thread Cutting
4	204-0134	1	*Ring, Collector	21	220-4532-03	1	Housing, Generator Stator
5	510-0099	1	*Bearing, Ball	22	212-1284	1	Cover, Brush Block Access
6	802-1038	1	Screw, Socket (7/16-14 x 10-7/32")	23	332-3328	1	Stud, Grounding (5/16-18 x 1-1/2")
7	870-0131	3	Nut, ET Hex (10-32)	24	856-0008	2	Washer, EIT Lock (.32)
8	815-0652	1	Screw, Hex Head Slot (10-32 x 1/2")	25	870-0257	1	Nut, Self Lock (5/16-18)
9	305-0784	1	Charger, Battery (VR2)	26	212-1285	1	Block, Generator Brush (Includes Parts Marked #)
10	305-0943-02	1	Bracket, Battery Charger	27	212-1286	1	#Block, Brush
11	508-0272	2	Grommet	28	214-0103	2	#Brush, Generator
12	331-0536	2	Connector, Conduit	29	212-1276-03	2	#Spring, Generator Brush
13	821-0005	1	Screw, Lock Head Flange (10-32 x 1/2")	30	815-0788	2	Screw, Pan Head Torx (#10-32 x 7/8")
14	332-0819	2	Housing, Push On Connector	31	338-3441	1	Harness, Genset (Includes Wedge and Housing)
15	509-0196	1	O'Ring	32	323-1548	1	Wedge, Plug (4 Pin)
16			Stator, Generator	33	323-1546	1	Housing, Plug (4 Pin)
	220-4135-09	1	60Hz				
	220-4135-10	1	50Hz				
17	815-0290	3	Screw, Countersunk Torx Drive Thread Forming (3/8-16 x 1")				
18	232-2955-02	3	Clamp, Stator				
19	850-0050	4	Washer, Spring Lock (3/8")				

* - Parts Included in Generator Rotor.

- Parts Included in Generator Brush Block.

Control

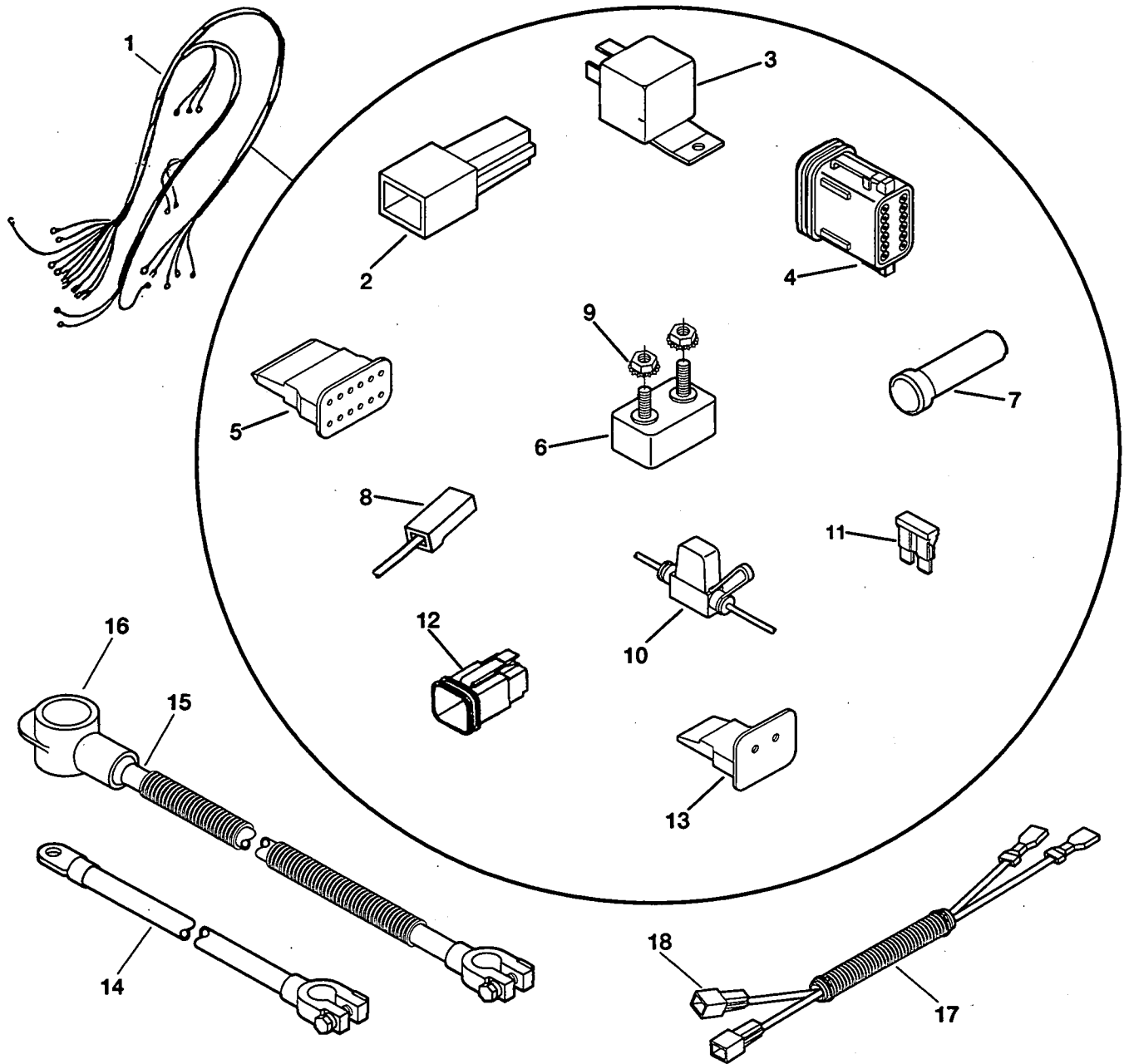


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4741-01	1	Panel, Control (Includes Parts Marked *)
2	098-7374	1	*Label, Warning
3	319-3025-02	1	*Cover, Control Box
4	870-1183	8	*Nut, ET (6-32)
5	300-4930	1	*Board, Control
6	098-7375	1	*Label, Switch
7	308-1076	1	*Switch, Rocker (S1)
8	815-0815	2	Screw, Hex Washer Head (1/4-20 x 1/2")
9	098-7376	1	*Label, Circuit Breaker
10	302-2002	1	*Meter, Hour (TT)
11	320-1548-03	1	Breaker, Circuit (CB1, CB2)
12			Harness, AC Output
	338-3534	1	Spec A, B
	338-3776	1	Begin Spec C
13	815-0661	2	Screw, Hex Head Slot (10-32 x 1/2")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
14	319-3026-02	1	Bracket, Top Control Mounting
15	815-0550-01	4	Screw, ET Pan Head Cross Recessed (6-32 x 3/8")
16	319-3073-02	1	Bracket, Bottom Control Mounting
17	821-0015	2	Screw, Lock Head Flange (1/4-20 x 3/4")
18	526-0018	2	Washer, Flat (1/4")
19	319-3074-02	2	Plate, Cover
20	821-0009	2	Screw, Hex Washer Head (1/4-20 x 3/8")
21			Block, Terminal (TB1)
	332-2859-01	1	3-Terminal
	332-2859-02	1	2-Terminal
22	815-0691-01	1	Screw, Pan Head (10-32 x 3/8")

* - Parts Included in Control Panel.

Wiring Harness

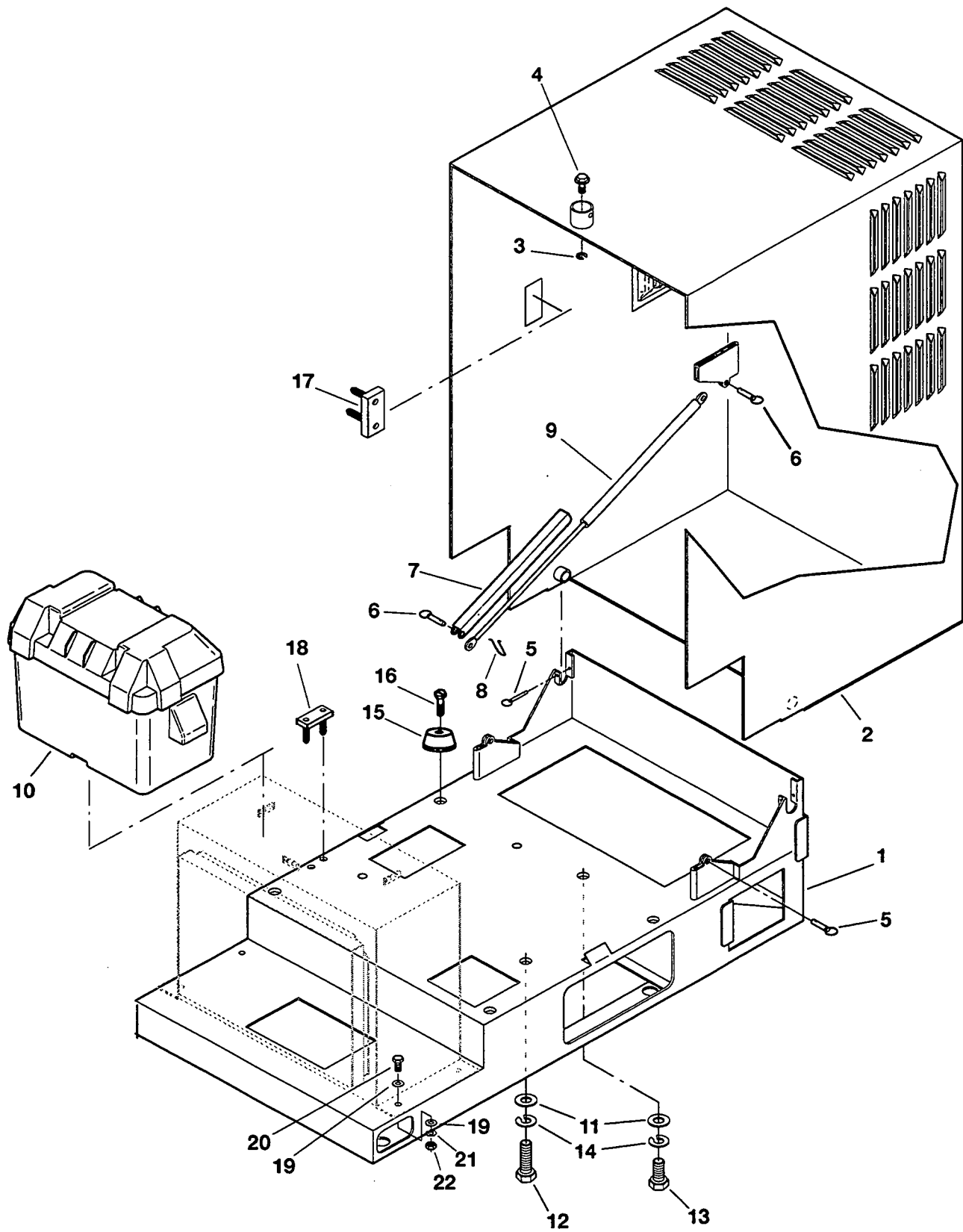


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Engine (Includes Parts Marked *)
	338-3311	1	Spec A, B
	338-3786	1	Begin Spec C
2	332-2298	1	*Housing, Tab Terminal
3	307-1886	1	*Relay
4	323-1582	1	*Connector, Plug (12 Pin)
5	323-1583	1	*Wedge, Plug (12 Pin)
6	320-1928-01	1	*Breaker, Circuit (CB3)
7	323-1591	3	*Plug, Seal
8	332-0819	1	*Housing, Receptacle
9	870-0131	2	*Nut, ET Hex (#10-32)
10	321-0354	1	*Holder, Fuse (Includes Fuse)
11	321-0307-04	2	Fuse, 7.5A (F1, F2)
12	323-1504	1	*Connector, Plug (2 Pin)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	323-1500	1	*Wedge, Plug (2 Pin)
14	338-3480	1	Harness, 27" Starter
15	338-3312	1	Harness, 47" Starter (Includes Boot)
16			Boot
	416-1021-03	1	Spec A, B
	416-1041	1	Begin Spec C
17			Harness, Battery Charger (Includes Housing)
	338-3431	1	Spec A, B
	338-3785		Begin Spec C
18	332-2298	2	Housing

* - Parts Included in Engine Harness.

Housing



Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	402-0741-02	1	Base, Housing
2	405-6309-02	1	Housing
3	518-0566	1	Clip, Circular
4	800-0744-02	1	Bolt, Hex Head Security (1/2-13)
5	406-0841-01	2	Pin, Snap
6	406-0841-02	4	Pin, Snap
7	402-0713-02	2	Bracket, Locking
8	402-0714	2	Spring, Clip
9	406-0840	2	Spring, Gas
10	416-1034	1	Box, Battery (Includes Hold Down Strap)
11	526-0029	4	Washer, Flat (3/8")
12	800-0051	2	Screw, Hex Head Cap (3/8-16 x 1.25)
13	800-0050	2	Screw, Hex Head Cap (3/8-16 x 1")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
14	850-0050	4	Washer, Lock (3/8")
15	402-0740	4	Guide, Base
16	821-6001-06	4	Screw, Hex Head Sems
17	307-2908	1	Switch, Actuator
18	307-2907	1	Switch, Magnet
Switchgear Housing Mounting Hardware:			
19	526-0029	8	Washer, Flat (3/8")
20	800-0050	4	Screw, Hex Head Cap (3/8-16 x 1")
21	850-0050	4	Washer, Lock (3/8")
22	862-0003	4	Nut (3/8-16)

NOTE: See Parts Catalog 913-0202 for Transfer Switch Information.

Labels, Paint, Thread Sealant, Kits

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98-6586-02	1	Label, Battery Negative		120-0161	1	Kit, Oil Pump Gasket
	98-6387	1	Label, Caution				Kit, Gasket
	98-6894	2	Label, Caution		168-0190	1	Valve Grind
	98-6195-01	1	Label, Caution		168-0193	1	Engine
	98-7110	1	Label, Caution (Unit Clearance)		518-0347	1	Loctite, Bottle (250cc)
	98-7334	1	Label, Caution (No Step)		525-0394	1	Paint, Enamel Touch-Up –
	98-7335	1	Label, Caution (Lifting)				Black (Flat) 16 oz. Pressurized
	98-7336	1	Label, Dual Fuel				Can
	98-7370	1	Label, Stripe		518-0452	1	Sealant, Thread (50cc Bottle)
	98-6139-08	1	Label, Warning				
	98-6837	1	Label, Warning				
	98-5390	1	Label, Warning				

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