



Parts Manual

Cummins **Onan**

Performance you rely on.™



RV Generator Set

HGJAA (Spec A–E, J)
HGJAB (Spec A–E, J–K)
HGJAC (Spec A–C)

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 Cummins/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 Cummins/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 catalog applies to the standard generator sets listed below. 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 Identification	Fuel	Wiring Diagram	Voltage	Hertz	Phase
5.5HGJAA600A/B	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA600C/D	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA1116A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAA1116C/D	LP (Liquid)	611-1271	120	60	1
5.5HGJAA1117A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1117C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1273A/B	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA1273C/D	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA1274A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1274C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1275A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1275C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAA896A/B	LP (Liquid)	611-1271	120	60	1
6.5HGJAA896C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAA1278A/B	LP (Liquid)	611-1271	120	60	1
6.5HGJAA1278C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAA1277A/B	LP (Vapor)	611-1271	120	60	1
6.5HGJAA1277C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAA898A/B	LP (Vapor)	611-1271	120	60	1
6.5HGJAA898C/D	LP (Vapor)	611-1271	120	60	1
7.0HGJAA97A/B	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAA97C/D	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAA1276A/B	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAA1276C/D	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAB901A/B	Gasoline	611-1271	120	60	1
5.5HGJAB901C/D	Gasoline	611-1271	120	60	1
5.5HGJAB1118A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAB1118C/D	LP (Liquid)	611-1271	120	60	1
5.5HGJAB1119A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1119C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1270A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1270C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1271A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAB1271C/D	LP (Liquid)	611-1271	120	60	1

Generator Set Data Table

Model Identification	Fuel	Wiring Diagram	Voltage	Hertz	Phase
6.5HGJAB902A/B	LP (Liquid)	611-1272	120	60	1
6.5HGJAB902C/D	LP (Liquid)	611-1272	120	60	1
6.5HGJAB904A/B	LP (Vapor)	611-1272	120	60	1
6.5HGJAB904C/D	LP (Vapor)	611-1272	120	60	1
6.5HGJAB1037A/B	LP (Liquid)	611-1272	120	60	1
6.5HGJAB1037C/D	LP (Liquid)	611-1272	120	60	1
6.5HGJAB1272A/B	LP (Vapor)	611-1271	120	60	1
6.5HGJAB1272C/D	LP (Vapor)	611-1271	120	60	1
7.0HGJAB900A/B	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB900C/D	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1036A/B	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1036C/D	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1037A/B	LP (Liquid)	611-1271	120	60	1
7.0HGJAB1037C/D	LP (Liquid)	611-1271	120	60	1
7.0HGJAB1038A/B	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1038C/D	Gasoline (EFI)	611-1271	120	60	1
5.5HGJAC907A/B	Gasoline	611-1271	120	60	1
5.5HGJAC907C/D	Gasoline	611-1271	120	60	1
5.5HGJAC1120A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAC1120C/D	LP (Liquid)	611-1271	120	60	1
5.5HGJAC1121A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAC1121C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAC1264A/B	Gasoline	611-1271	120	60	1
5.5HGJAC1264C/D	Gasoline	611-1271	120	60	1
5.5HGJAC1265A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAC1265C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAC1266A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAC1266C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAC908A/C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAC910A/C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAC1268A/C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAC1269A/C/D	LP (Liquid)	611-1271	120	60	1
7.0HGJAC1267A/C/D	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAC906A/C/D	Gasoline (EFI)	611-1272	120	60	1

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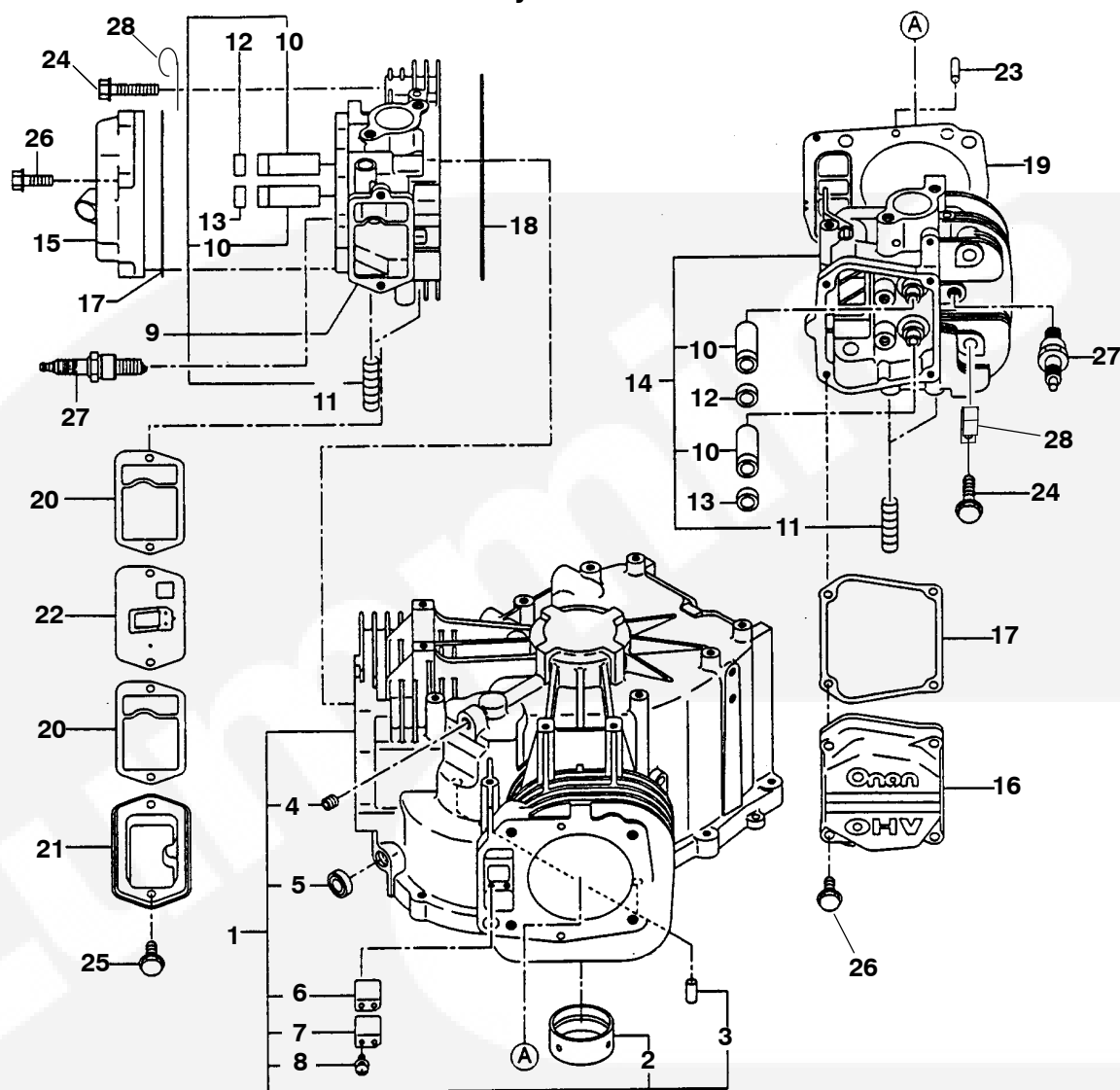
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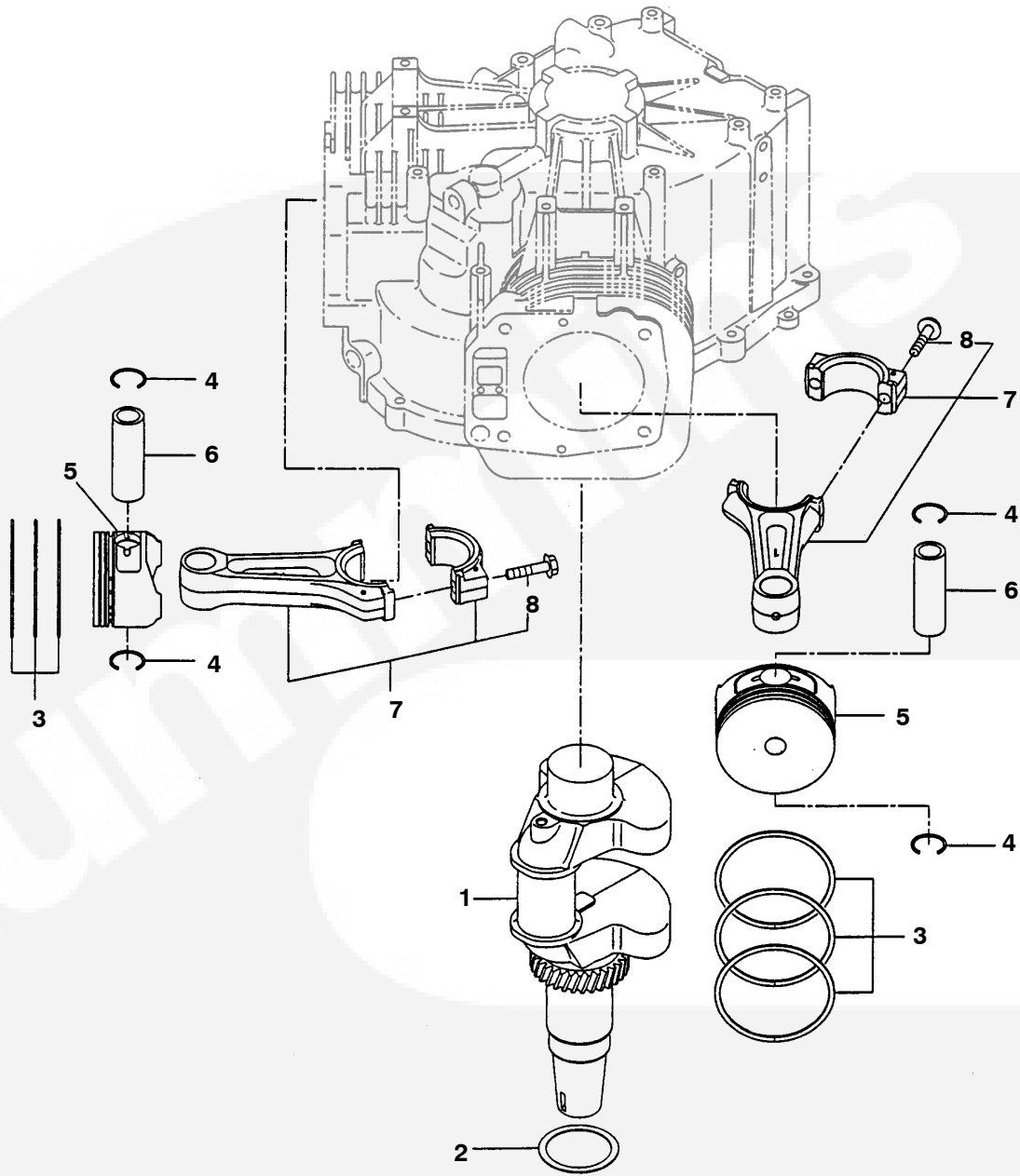
Cylinder Block



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
		1	Engine, Replacement	14	187-6235	1	Head, Cylinder (2) (Includes Guides and Studs)
	A026K051	1	EFI w/PTO	15	110-3929	1	Cover, Rocker (1)
	A026M568	1	EFI w/o PTO	16	110-3930	1	Cover, Rocker (2)
	A029W645	1	Carb w/PTO	17	187-6236	2	Gasket, Rocker Cover
	A029W599	1	Carb w/o PTO	18	187-6224	1	Gasket, Cylinder Head (1)
1	187-6223	1	Block Assy, Cylinder (Includes Parts Marked *)	19	187-6230	1	Gasket, Cylinder Head (2)
2	187-6001	1	*Bearing, Main	20	187-6025	2	Gasket, Breather Plate
3	187-6002	2	*Pin, Dowel	21	187-6026	1	Cover, Breather
4	187-6005	1	*Plug, Blind (w/Sealant)	22	187-6238	1	Plate, Breather
5	187-6006	1	*Seal, Oil	23	187-6030	4	Pin, Dowel
6	187-6225	2	*Valve, Leaf	24	187-6033	8	Bolt, Flange
7	187-6226	2	*Plate, Retainer	25	187-6035	2	Bolt, Flange
8	187-6227	4	*Screw, Washer Assy	26	187-6241	8	Bolt, Flange
9	187-6232	1	Head, Cylinder (1) (Includes Guide and Stud W/Breather)	27	167-1638	2	Plug, Spark
10	187-6233	4	Guide, Valve	28	518-0515	1/2	Clip, Hose (EFI, LP Vapor Sets)
11	187-6016	4	Stud	29	541-1428	1	Kit, Overhaul
12	187-6015	2	Seal, Intake Valve				
13	187-6234	2	Seal, Exhaust Valve				

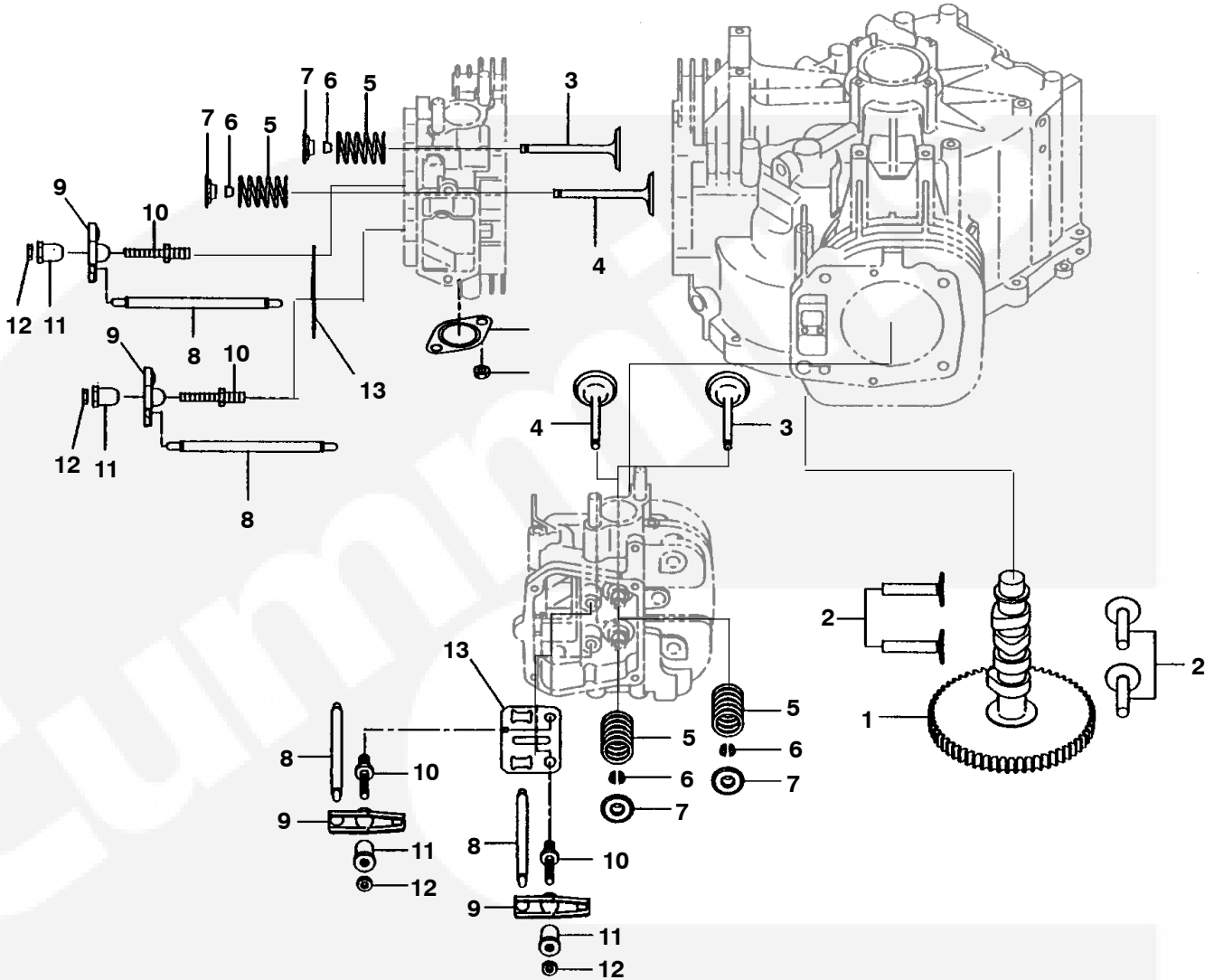
* - Parts Included in Cylinder Block Assy.

Crankshaft



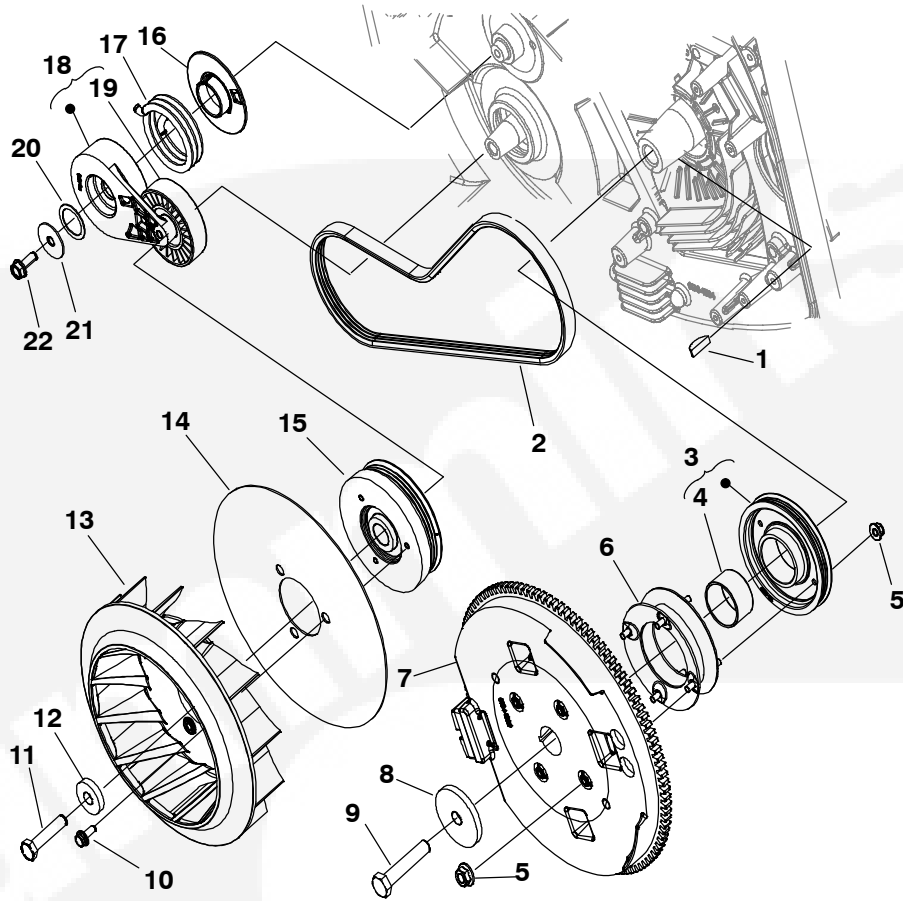
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6242	1	Crankshaft	4	187-6045	4	Clip
2			Spacer	5			Piston
	187-6249	1	0.6		187-6042	2	Standard
	187-6250	1	0.8		187-6245	2	0.25 Oversize
	187-6251	1	1.0		187-6246	2	0.50 Oversize
3			Set, Piston Ring	6	187-6043	2	Pin, Piston
	187-6044	2	Standard	7	187-6243	2	Rod, Connecting (Includes Bolt)
	187-6247	2	0.25 Oversize	8	187-6244	2	Bolt, Connecting Rod
	187-6248	2	0.50 Oversize				

Camshaft



REF NO.	PART NO.	QTY USED	PAR DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6252	1	Camshaft	8	187-6255	4	Rod, Push
2	187-6055	4	Tappet	9	187-6256	4	Arm, Rocker
3	187-6056	2	Valve, Intake	10	187-6257	4	Bolt, Pivot
4	187-6057	2	Valve, Exhaust	11	187-6258	4	Pivot
5	187-6058	4	Spring, Valve	12	187-6259	4	Nut
6	187-6059	8	Collet, Valve	13	187-6260	2	Plate, Guide
7	187-6060	4	Retainer, Spring				

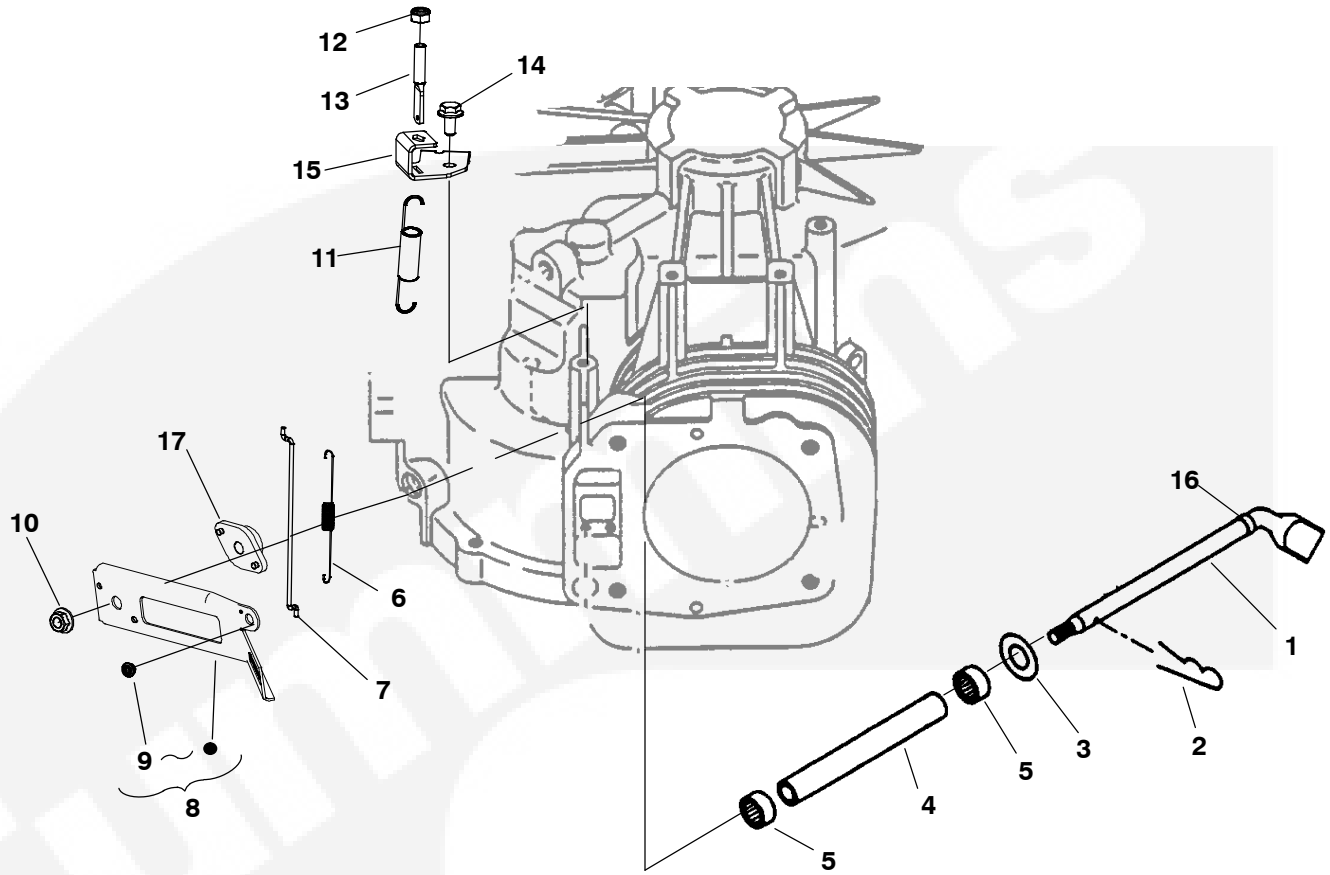
Drive



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Flywheel Assy (Includes Parts Marked *)	11	800-2090	1	Screw, Hex Head Cap (M10 x 45mm)
1	104-1958	1	Spec A/B	12	526-0017	1	Washer, Flat (15/32" ID x 1.25" OD)
2	515-0094	1	Key, Crankshaft Woodruff	13	205-0265	1	Fan, Generator
	511-0190-02	1	6.5 and 7kW	14	A030C572	1	Backplate, Fan
	511-0190-01	1	5.5kW	15			Pulley, Generator
3			*Pulley Assy, Drive (Includes Bearing)		512-0200	1	6.5 and 7kW
	512-0208	1	Spec A/B		512-0194	1	5.5kW
	512-0243	1	Begin Spec C	16	190-0754	1	Bushing, Tensioner
4			*Sleeve, Bearing	17	190-0753	1	Spring, Tensioner
	104-1959	1	Spec A/B	18	190-0758	1	Arm Assy, Tensioner (Includes Pulley)
	510-0202-01	1	Begin Spec C	19	190-0758-S0	1	Pulley, Tensioner
5	870-2065-02	8	*Nut, Hex Flange	20	190-0759	1	Washer, Tensioner
6	512-0274	1	*Coupling Assy	21	526-0461	1	Washer, Flat (M9 x 34mm)
7			*Flywheel	22	815-0829-06	1	Screw, Hex Washer Head Thread Form (M8 x 1.25 x 20mm)
	104-1953-02	1	Spec A/B				
	104-2000-S0	1	Begin Spec C				
8	526-0172	1	Washer, Flat (1/2" ID x 2.25" OD)				
9	815-0930	1	Screw, Cap (M12 x 1.25 x .60mm)				
10	821-2033	3	Screw, Lock Flange (M6 x 1 x 16mm)				

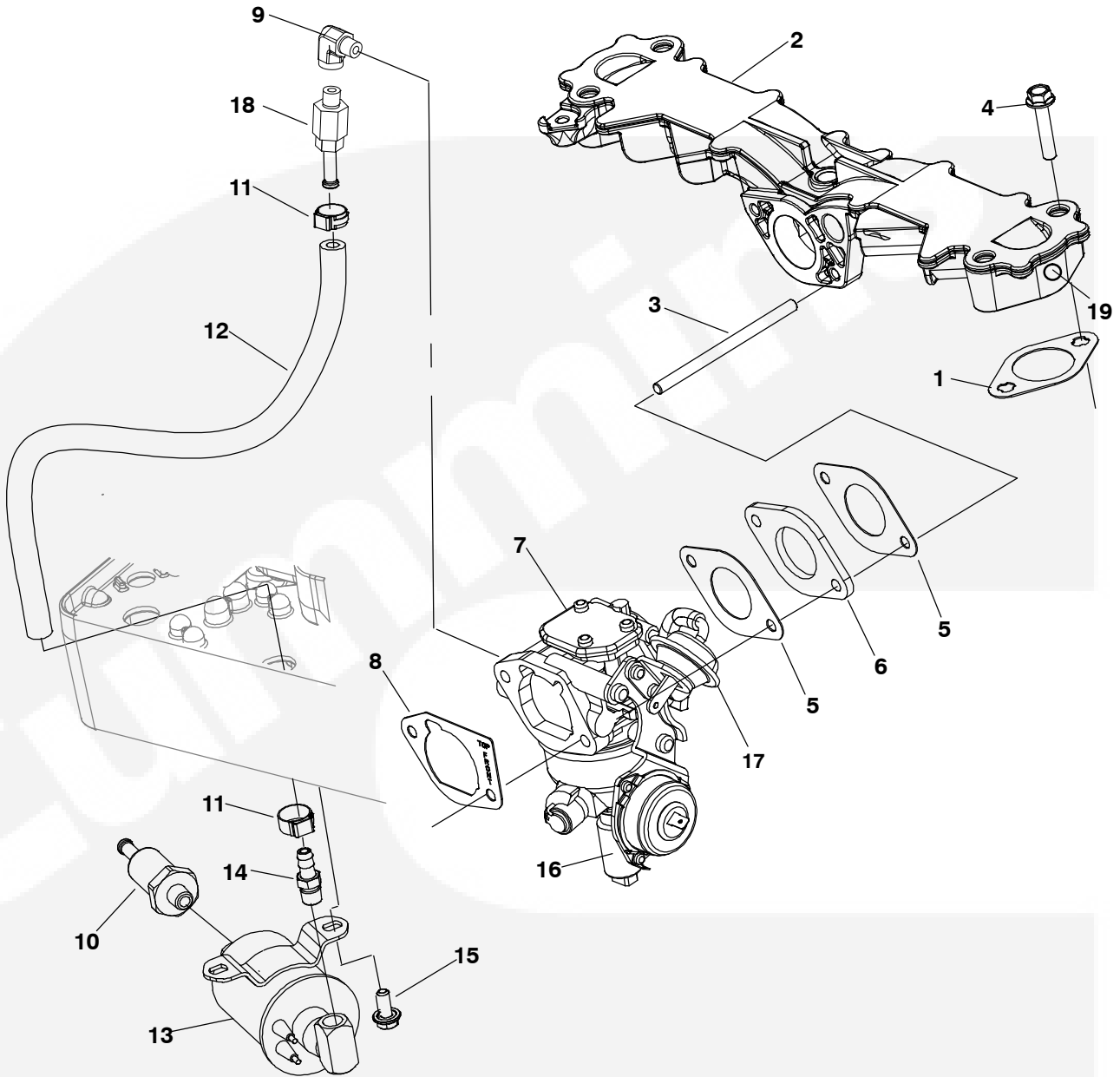
* - Parts Included in Flywheel Assy.

Governor



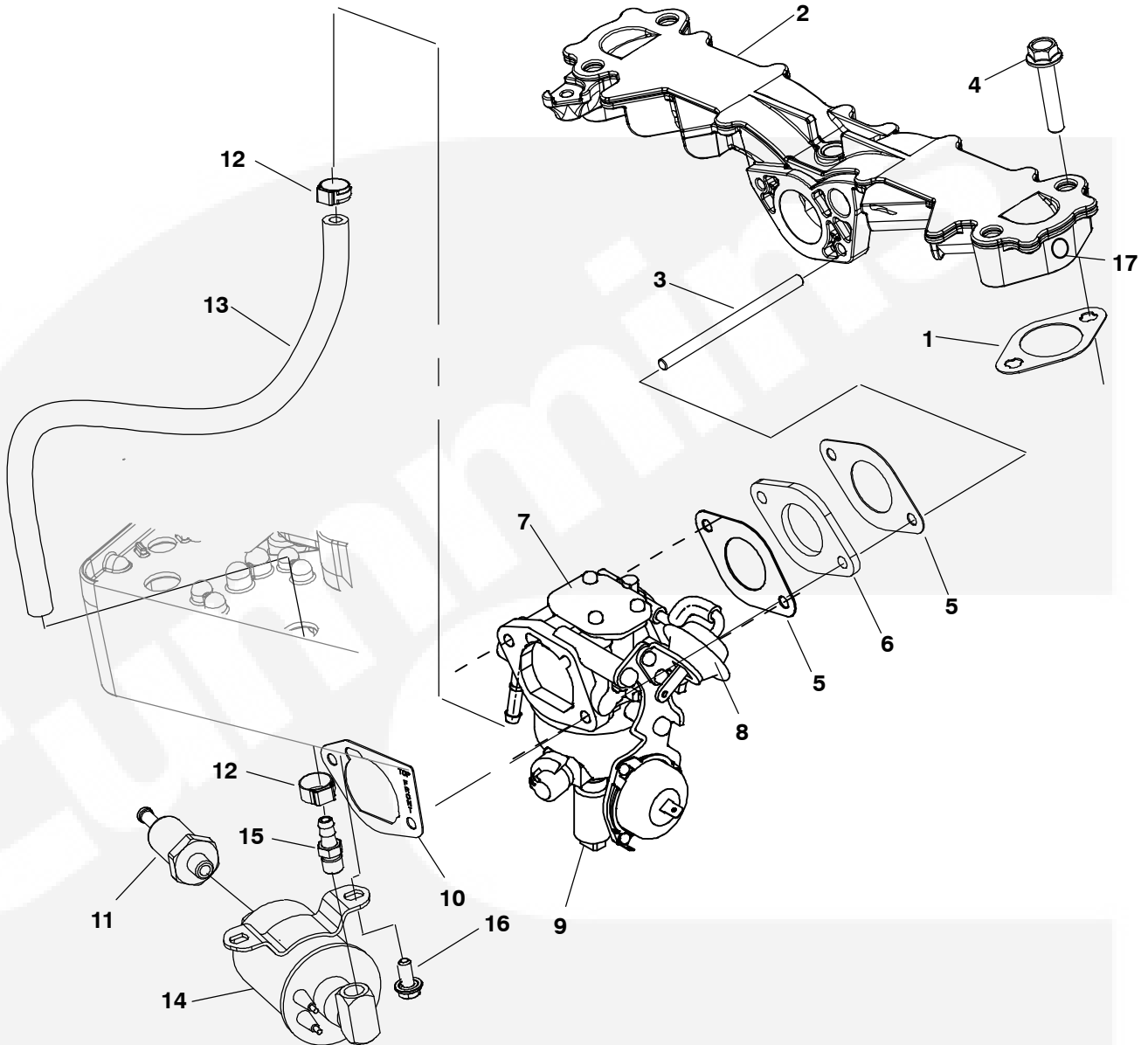
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6270	1	Shaft, Governor Lever	11			Spring, Governor
2	187-6085	1	Pin, Snap	150-2747	1		7.0kW, 60 Hz, Gold
3	187-6092	1	Washer	151-0777	1		5.5kW, 60 Hz, Silver
4	187-6271	1	Spacer	12	870-0506	1	Nut, Nylon Lock (M6 x 1)
5	187-6272	2	Bearing, Needle	13	150-2744-02	1	Stud, Speed Adjust
6	150-2748	1	Spring, Tension	14	821-2096-02	1	Screw, Flange Head Machine
7	150-2745	1	Link, Throttle-	15	150-2743	1	Bracket, Speed Control
8	150-2771	1	Lever, Governor	16	187-6006	2	Seal
9	505-1567	1	Bushing, Governor	17	150-2742	1	Hub, Governor
10	870-0558	1	Nut, Left Hand (M6 x 1)				

Carburetor (Carb) (Spec A-E)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	541-0765	1	Kit, Carburetor (Includes Parts Marked *)				(339mm)
	541-1222	1	Kit, Choke	13	A029F887	1	Pump, Fuel
1	154-3085	2	Gasket, Intake Manifold	14	505-1572	1	Connector, Hose
2	154-3067-03	1	Manifold, Intake	15	815-0753	2	Screw, Hex Washer Head Thread Form (M6 x 14mm)
3	520-1015	2	Stud (M6 x 1 x 96mm)	16	146-0795	1	Cutoff, Fuel Solenoid
4	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)	17	541-1222	1	Kit, Choke
5	141-0982	2	*Gasket, Carburetor	18	A029S253	1	Fitting, Hose Connector - (See Note)
6	146-0773	1	Insulator, Carburetor	19	0718-1017	1	*Bolt
7	146-0774	1	*Carburetor	NOTE: This adapter (Ref No. 18) replaces the secondary, redundant fuel filter. Refer to Product Support Bulletin No. CPGF-S-00000198-0 for more information.			
8	141-0983	1	Gasket, Carburetor	* - Use Thread Sealant 0518-0288 when installing bolt			
9	505-1573	1	Elbow, Steel Street (1/8)				
10	149-2341-01	1	Filter, Fuel				
11	503-1951-10	2	Clamp, Hose				
12	503-2737-03	1	Hose, Fuel (1/4"ID x OD)				

Carburetor (Carb) (Begin Spec J)



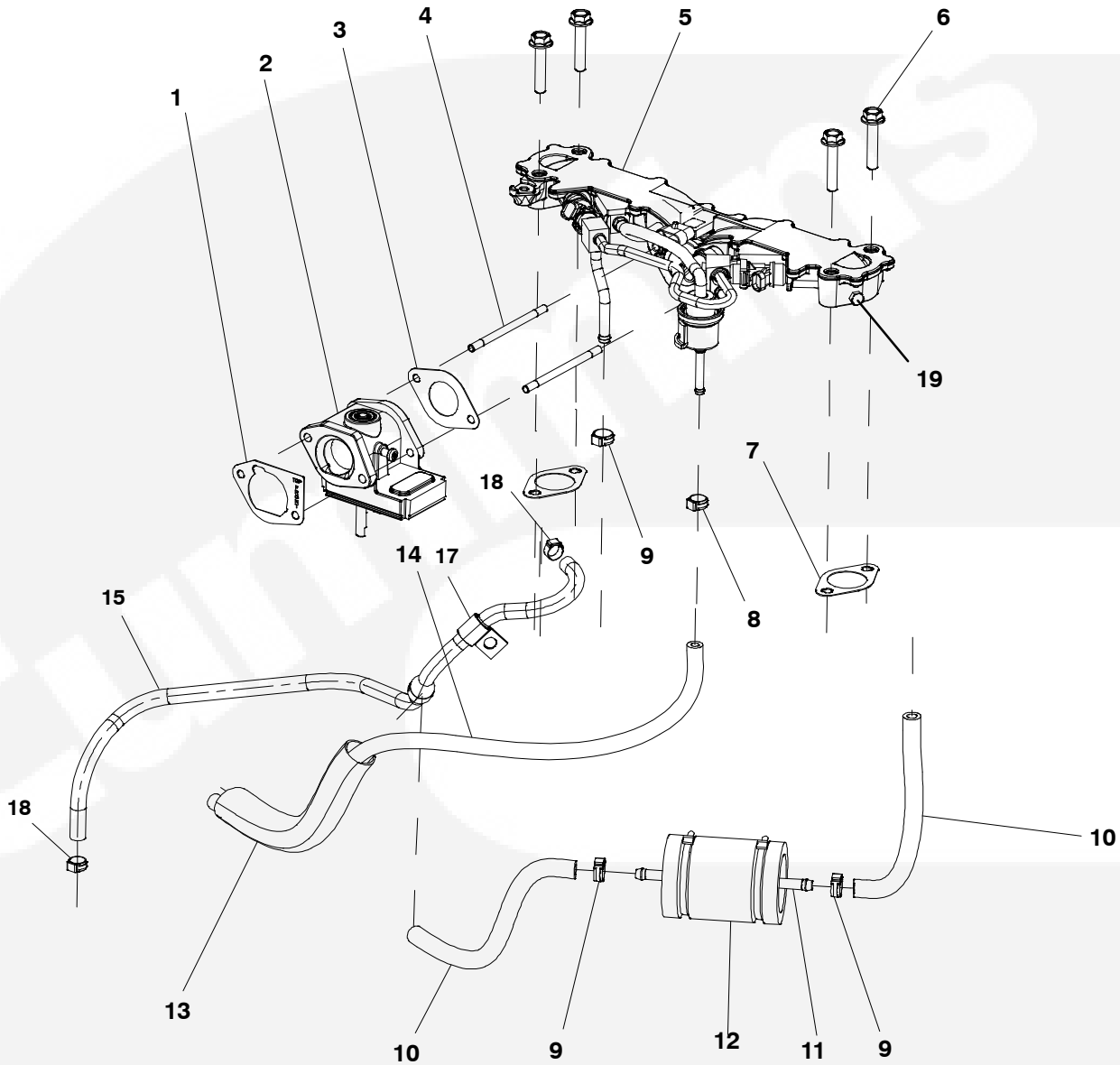
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A043B781	1	Kit, Carburetor (includes Parts Marked *) (Begin Spec K)	12	503-1951-08	2	Clamp, Hose
1	154-3085	2	Gasket, Intake Manifold	13	A040F491	1	Hose, Fuel (1/4" ID x 1/2" OD) (339mm)
2	154-3067-01	1	Manifold, Intake	14	149-2620	1	Pump, Fuel
3	520-1015	2	Stud (M6 x 1 x 96mm)	15	505-1572	1	Connector, Hose
4	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)	16	815-0753	2	Screw, Hex Washer Head Thread Form (M6 x 1 x 14mm)
5	141-0982	2	*Gasket, Carburetor	17	0718-1017	1	#Bolt
6	146-0773	1	Insulator, Carburetor				
7	A029J450	1	Carburetor (Spec J)				
	A041P558	1	* (Spec K)				
	A040N099	1	(High Altitude)				
8	A043B658	1	Kit, Choke				
9	146-0795	1	Solenoid, Fuel				
10	141-0983	1	*Gasket, Carburetor				
11	149-2341	1	Filter, Fuel				

* - Parts Included in Kit

- Use Thread Sealant 0518-0288 when installing bolt

Note: High altitude carburetor is required to remain emissions compliant while operating above 5,000 feet for extended periods of time.

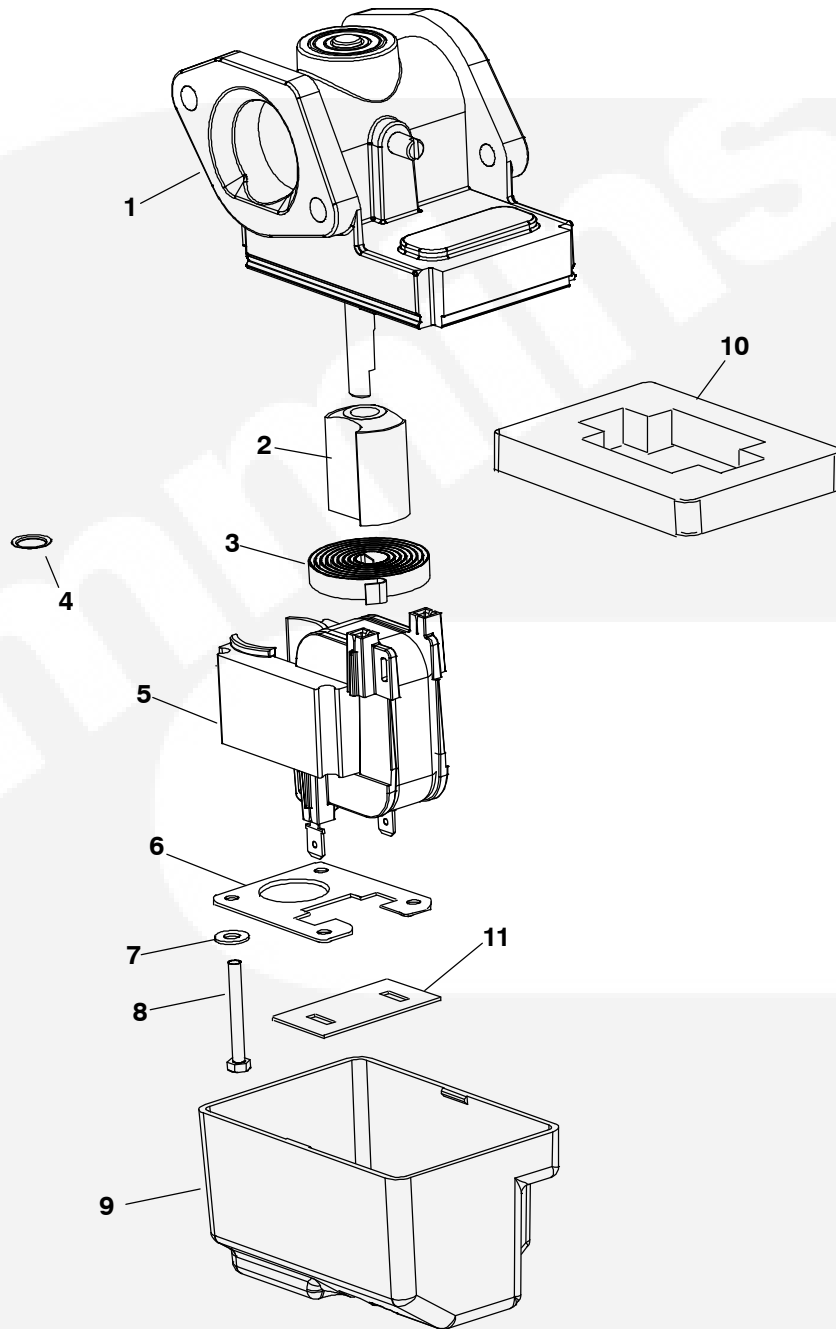
Fuel System (EFI)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	141-0983	1	Gasket	13	898-1347	1	Sleeve, Nylon
2	146-0782-S0	1	Body, Throttle	14	503-2737-01	1	Hose, Fuel (1/4"ID x 635mm)
3	141-0982	1	Gasket	15			Hose, Vent
4	520-1015	2	Stud		A030T642	1	(EVAP Begin Spec J)
5	154-3070	1	Manfold, Intake		A029M248	1	(EVPA Spec A-E)
6	815-0954-08	4	Screw (M8x1.25x96mm)	16	503-2737-01	1	Hose, Fuel (1/4"ID x 635mm)
7	154-3085	2	Gasket	17	518-0548-04	1	Clamp
8	503-1951-10	2	Clamp	18	503-1951-08	1	Clamp
9	503-1951-13	4	Clamp	19	0718-1017	1	*Bolt
10	503-2736-02	1	Hose, Fuel (5/16"ID x 216mm)				
11	147-0860	1	Filter, Fuel				
12	895-0394	1	Isolator				

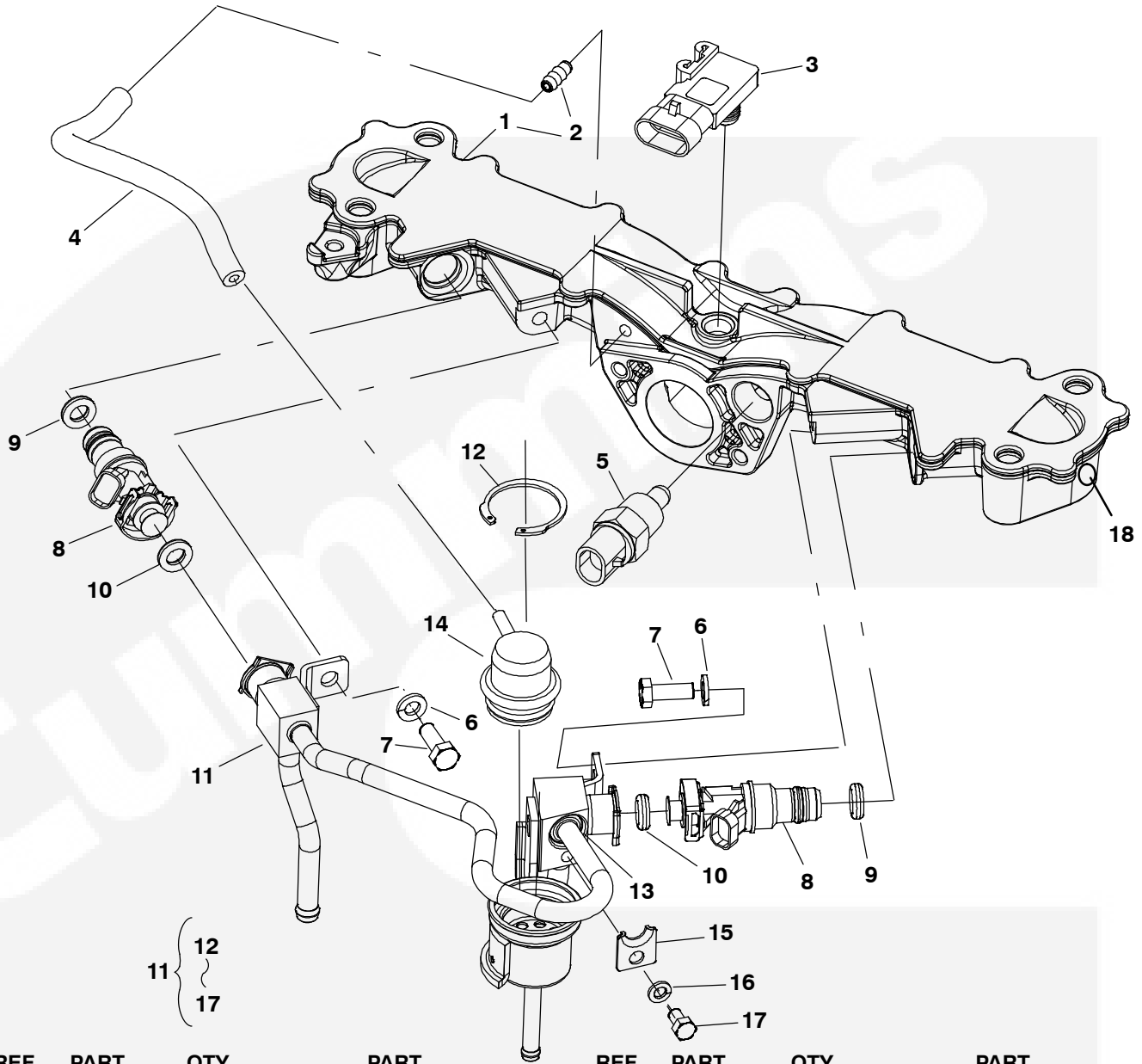
* - Use Thread Sealant 0518-0288 when installing bolt

Throttle Body Components (HGJAA)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	146-0782-S0	1	Body Assy, Throttle	7	526-0003	4	Washer, Flat (3/16 ")
1	146-0850	1	Body, Throttle	8	800-3009	4	Screw, Hex Head Cap
2	151-0718	1	Rotor, Governor	9	151-0719	1	Cover
3	151-0723	1	Spring, Torsion	10	146-0843	1	Gasket, Throttle Body
4	518-0672	1	Ring, Retainer	11	146-0844	1	Gasket, Throttle
5	150-2685	1	Stator, Wound				
6	146-0786	1	Retainer, Screw				

Intake Manifold EFI (HJGAA)

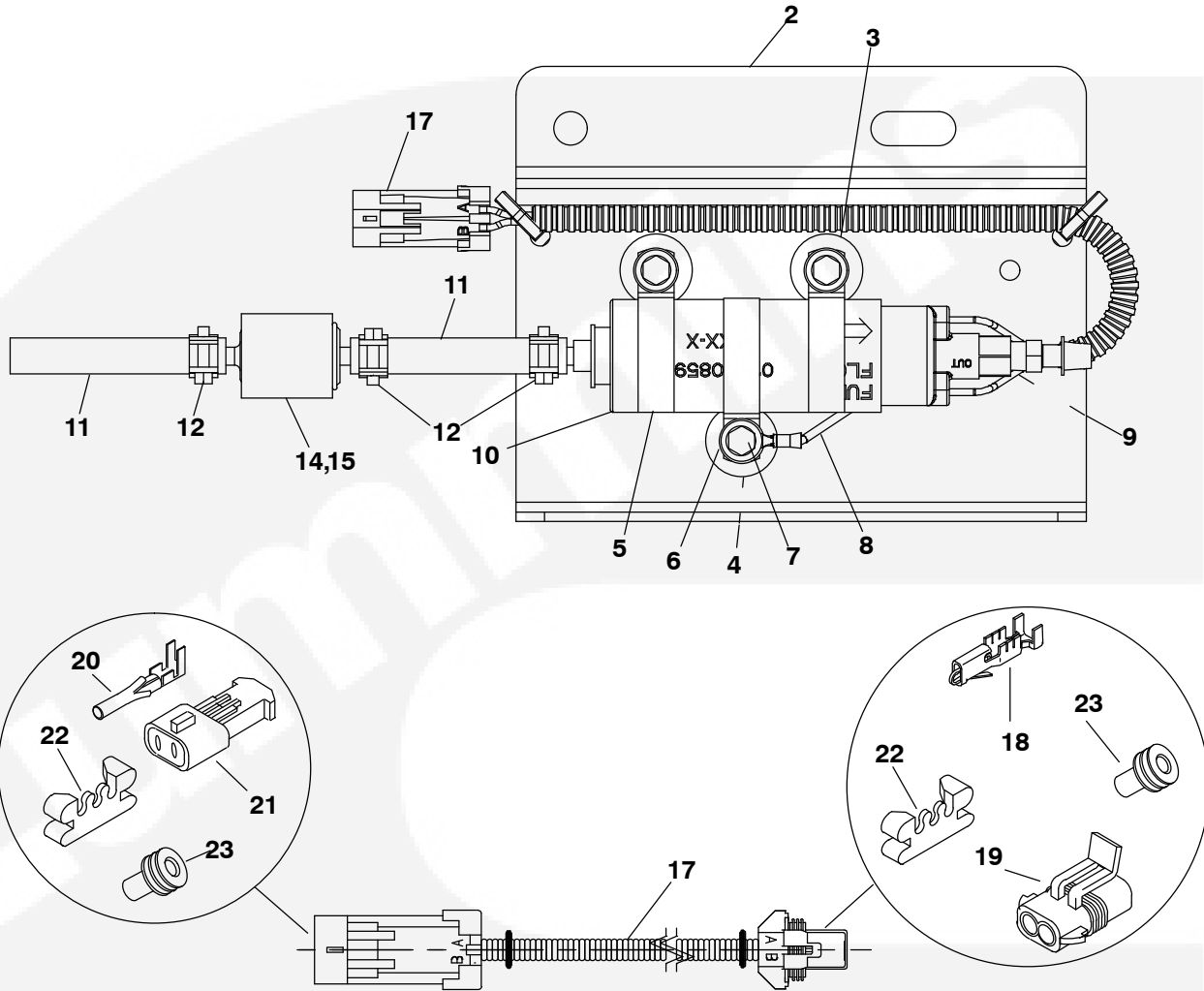


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	154-3070	1	Rail Assy, Fuel (Includes Parts Marked *)	11	154-3070	1	*Manifold Rail Assy, Intake
1	154-3067-04	1	Manifold Assy, Intake (Includes Hose Connector)	12	147-0868	1	*Ring, Pressure Regulator Snap
2	502-1314	1	Connector, Hose	13	147-0865	1	*O'Ring (Not Part of Fuel Injector)
3	193-0469	1	Sensor, Map	14	148-1337	1	*Regulator, Fuel Pressure
4	503-2848	1	Hose, Vacuum	15	147-0866	1	*Clamp, Fuel Rail
5	193-0480	1	Sensor, Manifold Air Temperature	16	850-2005	1	*Washer, Split Lock (M5)
6	850-2006	2	Washer, Split Lock (M6)	17	718-1002	1	*Screw, Hex Head Cap (M5 x 0.8 x8mm)
7	800-2033	2	Screw, Hex Head Cap (M6 x 1 x 16mm)	18	0718-1017	1	#Bolt
8	147-0856	2	Injector, Fuel (Includes Parts Marked #)				
9	147-0864	2	#O'Ring, Injector				
10	147-0865	2	#O'Ring, Injector				

* - Parts Included in Fuel Rail Assy.
See Remote Fuel Pump Kit for Fuel Pump.

- Use Thread Sealant 0518-0288 when installing bolt

Remote Fuel Pump Kit EFI (HGJAA)

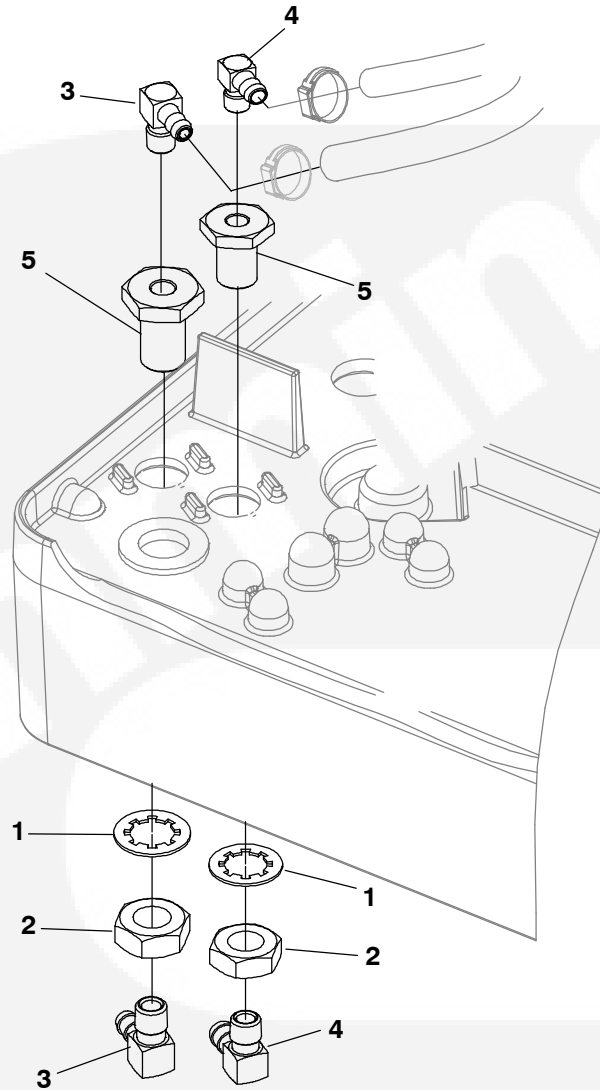


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	541-1002	1	Kit, Remote Pump
	149-2715	1	Assy, Remote Fuel Pump Includes Models 600, 1273 97 and 1276
2	149-2640-02	1	Bracket, Pump
3	402-0760	3	Isolator, Vibration
4	870-0065	3	Nut, Hex Lock (1/4-20)
5	503-2190	3	Clamp, Loop(1.5 OD)
6	526-0018	1	Washer, Flat (14")
7	821-0009	3	Screw, Hex Head (1/4-20 x 1.5 ")
8	226-4813	1	Lead, Ground
9	815-0770	1	Screw, Hex Washer Head Thread Forming (10-32 x 1/2")
10	147-0859	1	Pump, Fuel (EFI)
11	503-2444-01	1	Hose, Fuel (1/4" ID, 6.25')
12	503-2447-01	1	Clamp, Hose (1/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	503-2447-02	1	Clamp, Hose (5/16")
14	149-2661	1	Filter, Fuel
15	149-2674	1	Cover, Fuel Filter
16	502-1511	1	Connector, Hose (Packed Loose in Kit)
17	338-3960-01	1	Harness, Remote Pump (15') (Includes Parts Marked #)
18	323-1709	2	Terminal, Socket
19	323-1884	1	Connector, 2 Pin
20	323-1707	2	Terminal, Pin
21	323-1889	1	Connector, 2 Pin
22	323-1890	2	Housing, Lock
23	323-1708	4	Seal, Cable

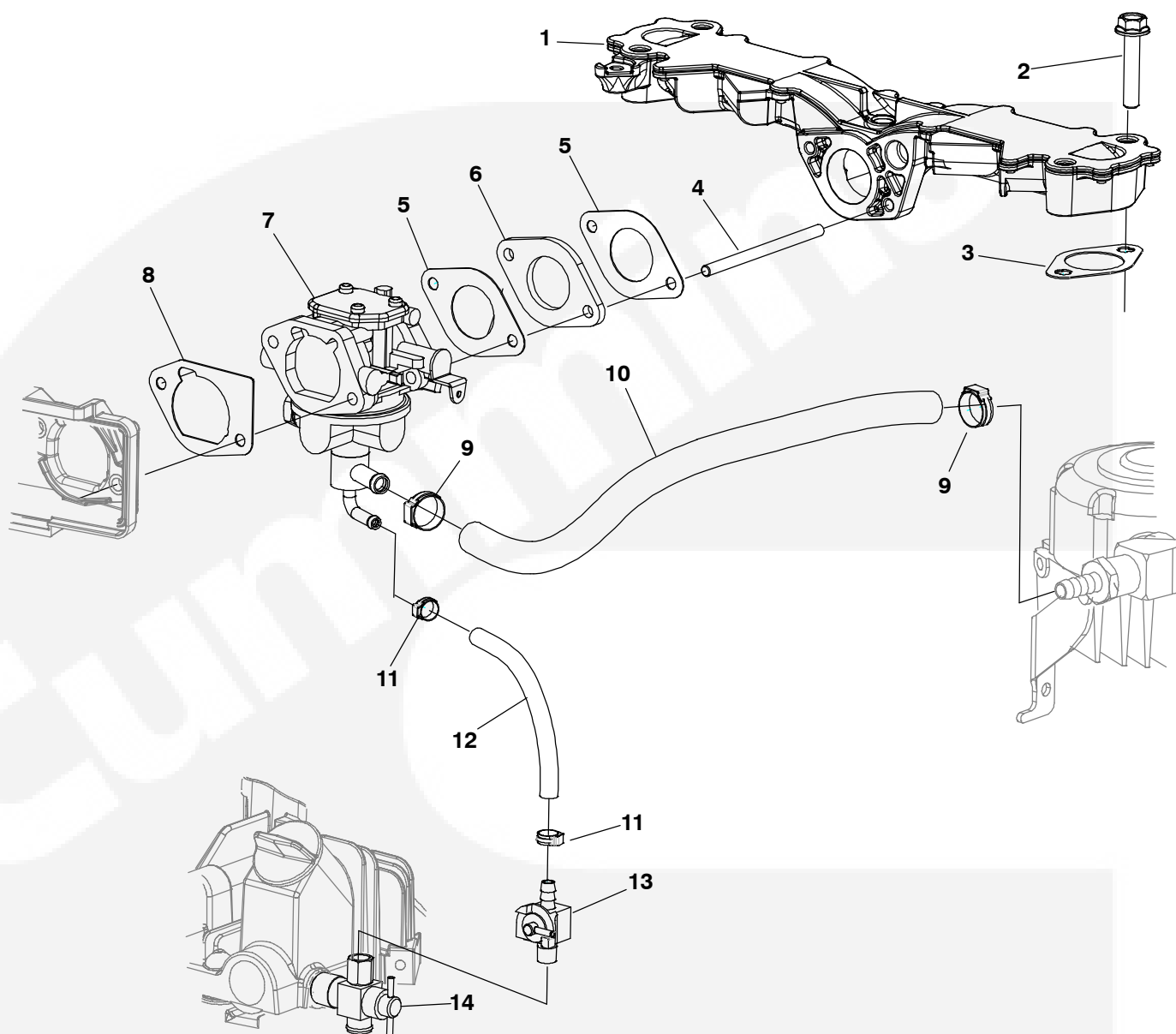
* - All Parts Included in Remote Fuel Pump Kit
Some Parts not Shown(Instruction Sheet Included in Kit)

Bulkhead EFI (HGJAA)



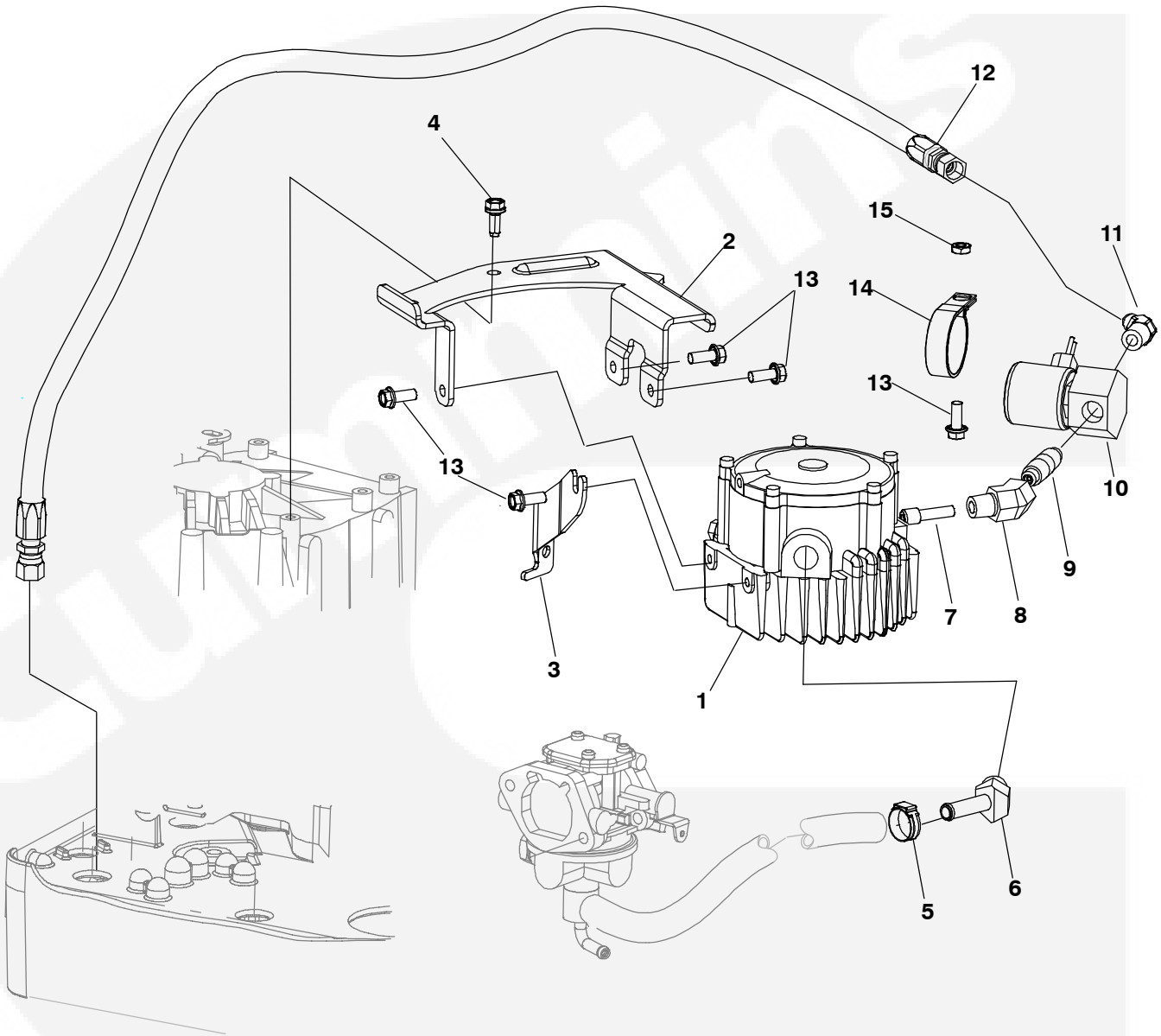
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	854-0028	2	Washer, IT Lock (5/8")	4	502-0313-02	2	Elbow, 90° Supply Hose (5/16" Hose ID)
2	868-0007	2	Nut, Hex Jam (5/8-18)	5	502-1296-02	2	Fitting, Bulkhead
3	502-0313	2	Elbow, 90° Return Hose (1/4" Hose ID)				

High Pressure Mixer (LP Liquid)



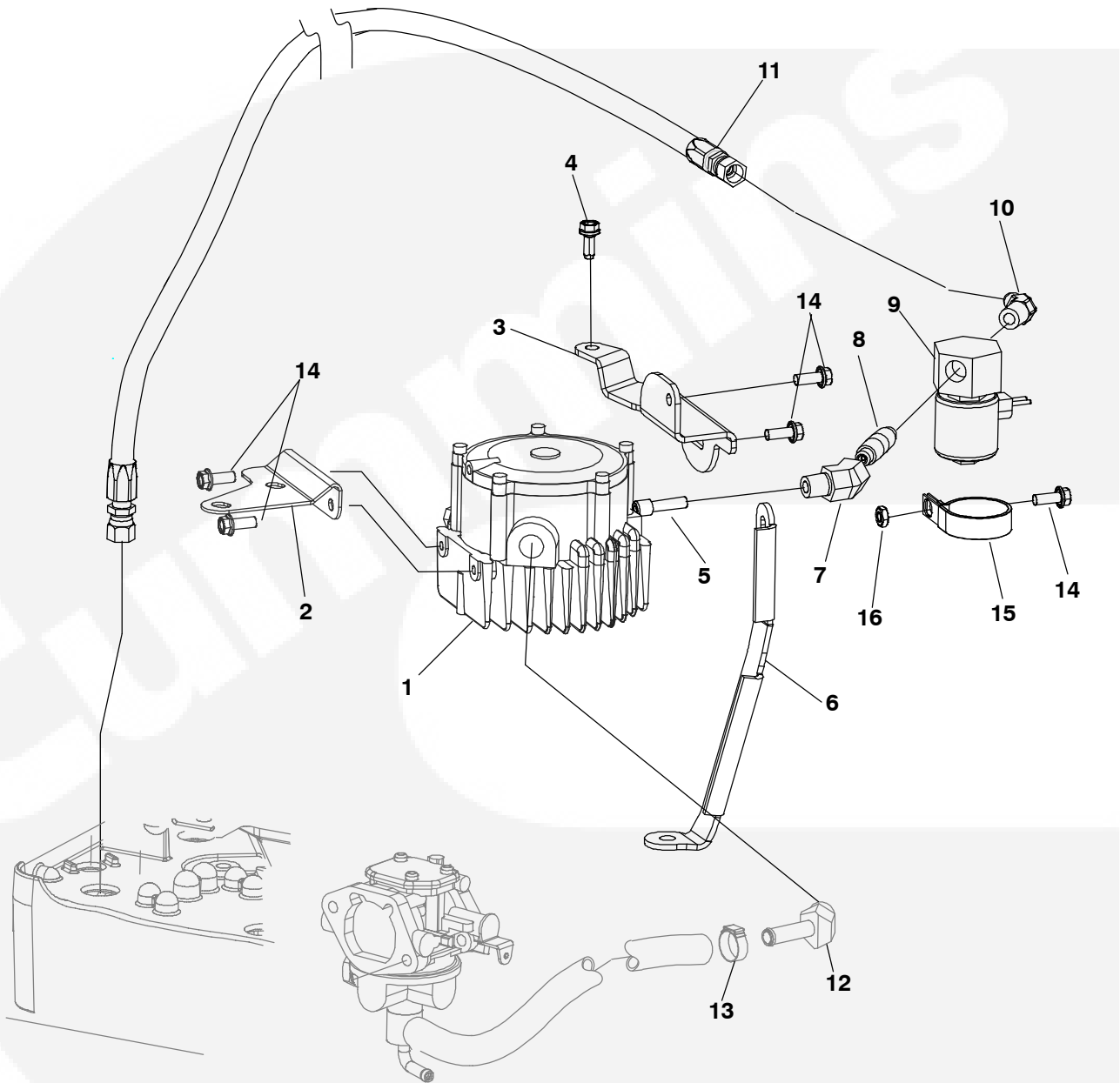
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3067-03	1	Manifold, Intake (See Intake Manifold Page)	8	141-0983	1	Gasket, Carburetor
2	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)	9	503-1951-20	2	Clamp, Hose
3	154-3085	2	Gasket, Intake Manifold	10	503-2143-01	1	Hose, LP
4	520-1015	2	Stud (M6 x 1 x 96mm)	11	503-1952-06	2	Clamp, Hose
5	141-0982	2	Gasket, Carburetor	12	503-2171-01	1	Hose, Drain
6	146-0773	1	Insulator, Carburetor	13	504-0203	1	Valve, Fuel Shutoff
7	146-0790	1	Mixer 5.5HGJAA1116, 1275, 5.5HGJAB1118, 1271 6.5HGJAA896, 1278 6.5HGJAB902, 1037	14	504-0204	1	Valve, Shutoff
	146-0796	1	5.5HGJAC1120, 1266 6.5HGJAC908, 1269				

High Pressure Converter HGJAB (LP Liquid)



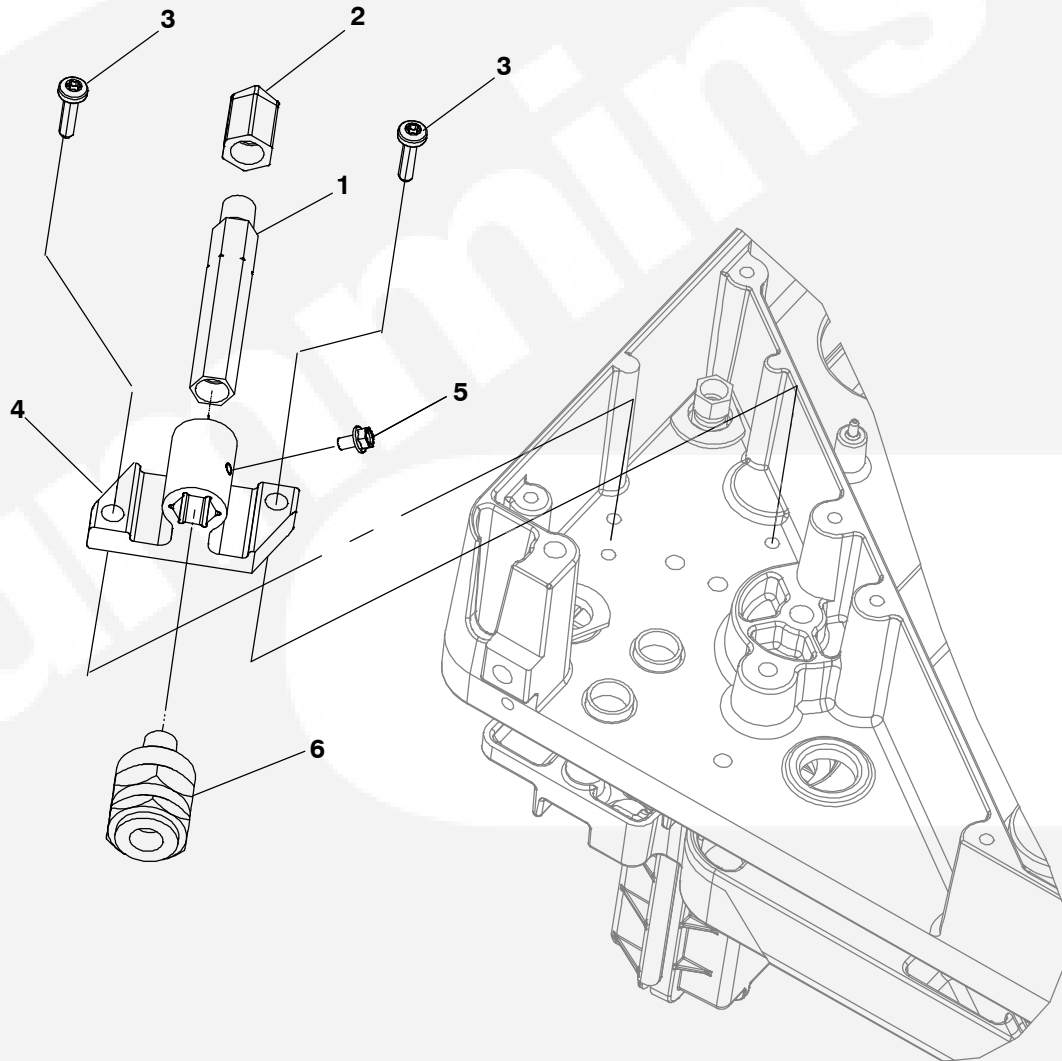
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1258	1	Converter	10	307-2955	1	Valve, Fuel
2	148-1206-02	1	Bracket, Converter (IMPCO)	11	505-1589	1	Elbow, Male/Female (1/4 NPT)
3	148-1207-02	1	Bracket, Converter (IMPCO)	12	503-2144-01	1	Line, Fuel
4	815-0941-03	2	Screw Hex Head (M6 x 16mm)	13	821-0018	5	Screw, Locking Head (1/4-20 x 5/8")
5	503-1951-20	1	Clamp, Hose	14	518-0548-44	1	Clamp
6	505-1604	1	Elbow, Pipe 45°	15	870-0212	1	Nut, Hex Jam (1/4-20)
7	505-2023	1	Nipple, Pipe(LP)				
8	505-1585	1	Adapter, Elbow				
9	505-2026	1	Nipple, Pipe (W/Sealant)				

High Pressure Converter LP Liquid (HGJAC)



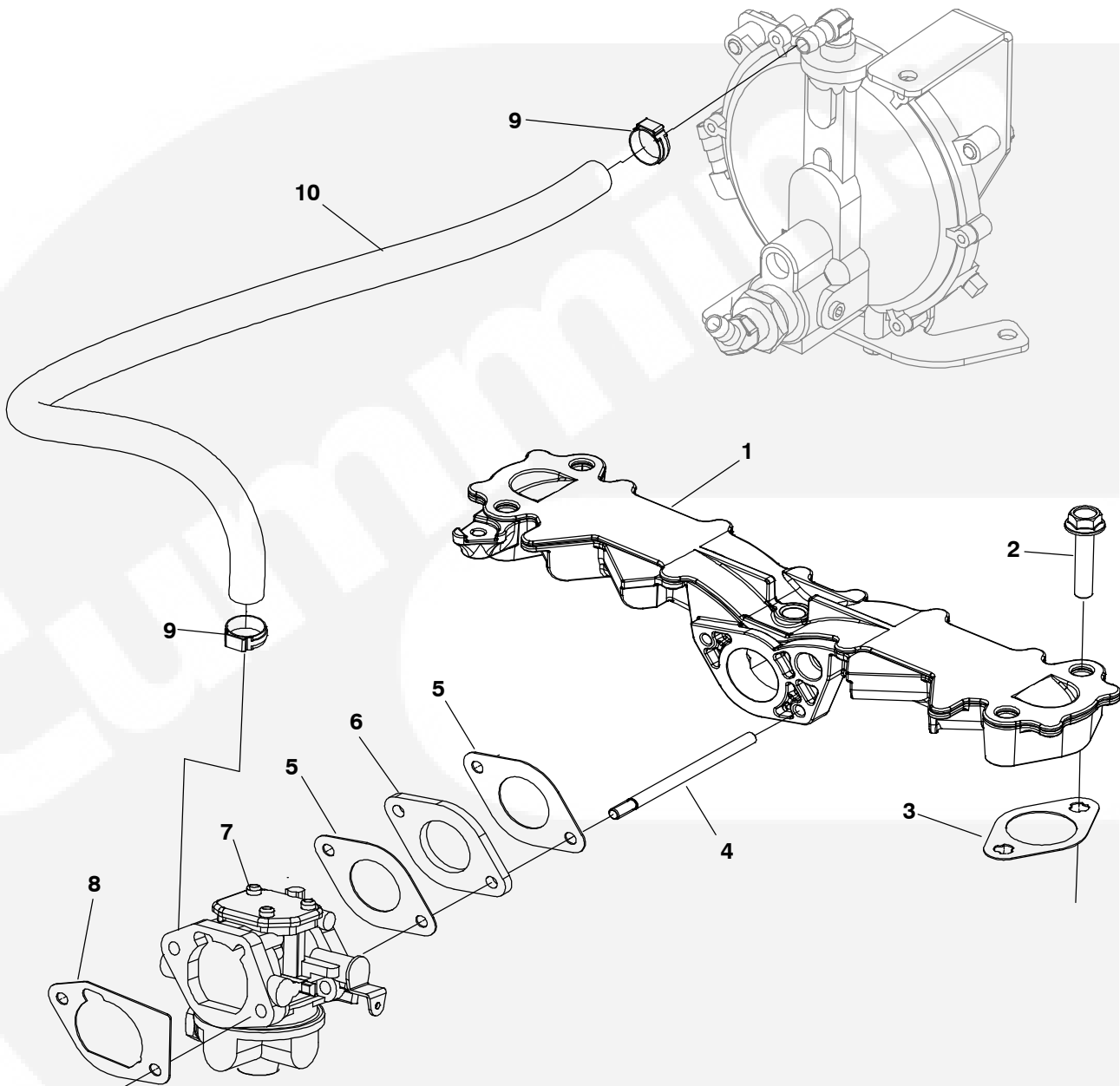
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1258	1	Converter	10	505-1589	1	Adapter, Elbow
2	148-1205-02	1	Bracket, Converter (IMPCO)	11	503-2144-01	1	Line, Fuel
3	148-1215-02	1	Bracket, Converter (IMPCO)	12	505-1604	1	Elbow, Pipe 45°
4	815-0941-03	1	Screw Hex Head (M6 x 16mm)	13	503-1951-20	1	Clamp, Hose
5	505-2023	1	Nipple, Pipe (LP)	14	821-0018	5	Screw, Locking Head (1/4-20 x 5/8")
6	148-1208-02	1	Bracket, Converter	15	518-0548-44	1	Clamp
7	505-1585	1	Elbow, Male/Female (1/4 NPT)	16	870-0212	1	Nut, Hex Jam (1/4-20)
8	505-2026	1	Nipple, Pipe (W/Sealant)				
9	307-2955	1	Valve, Fuel				

Fuel Valve Shutoff (LP Liquid)



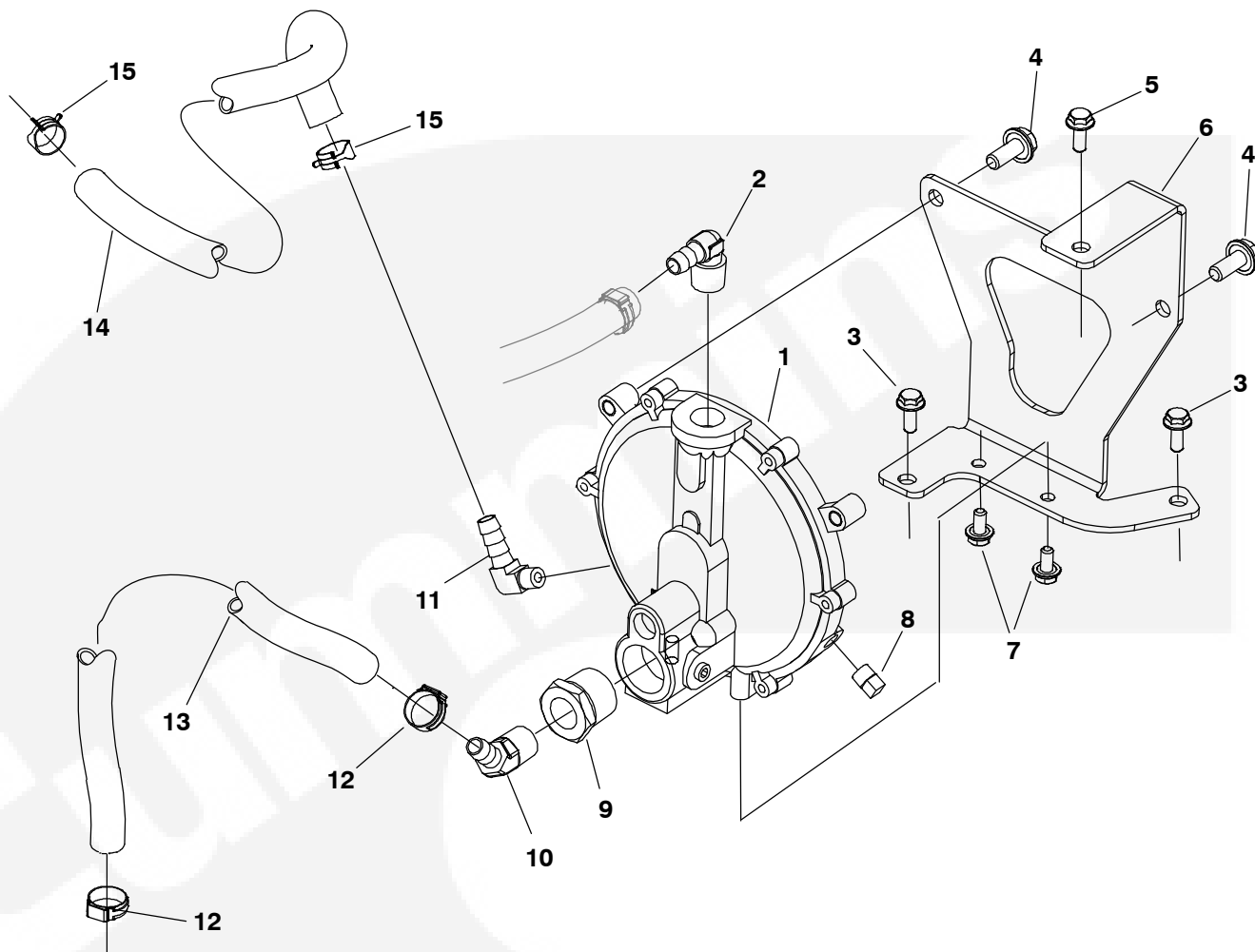
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-1587	1	Adapter, Male/Female (1/4NPT)	4	149-2645	1	Bracket, Mounting
2	502-1329-01	1	Elbow, 90° Pipe	5	821-0004	1	Screw, Lock (10-32 UNF x 5/6)
3	823-0003-04	2	Screw, Pan Head (M6 x 1 x 25mm)	6	149-2648	1	Filter, LP Fuel

Low Pressure Mixer (LP Vapor)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3067-03	1	Manifold, Intake	6	146-0773	1	Insulator, Carburetor
2	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)	7	146-0791	1	Mixer
3	154-3085	2	Gasket, Intake Manifold	8	141-0983	1	Gasket, Carburetor
4	520-1015	2	Stud (M6 x 1 x 96mm)	9	503-1951-20	2	Clamp, Hose
5	141-0982	2	Gasket, Carburetor	10	503-2143-03	1	Hose (690mm)

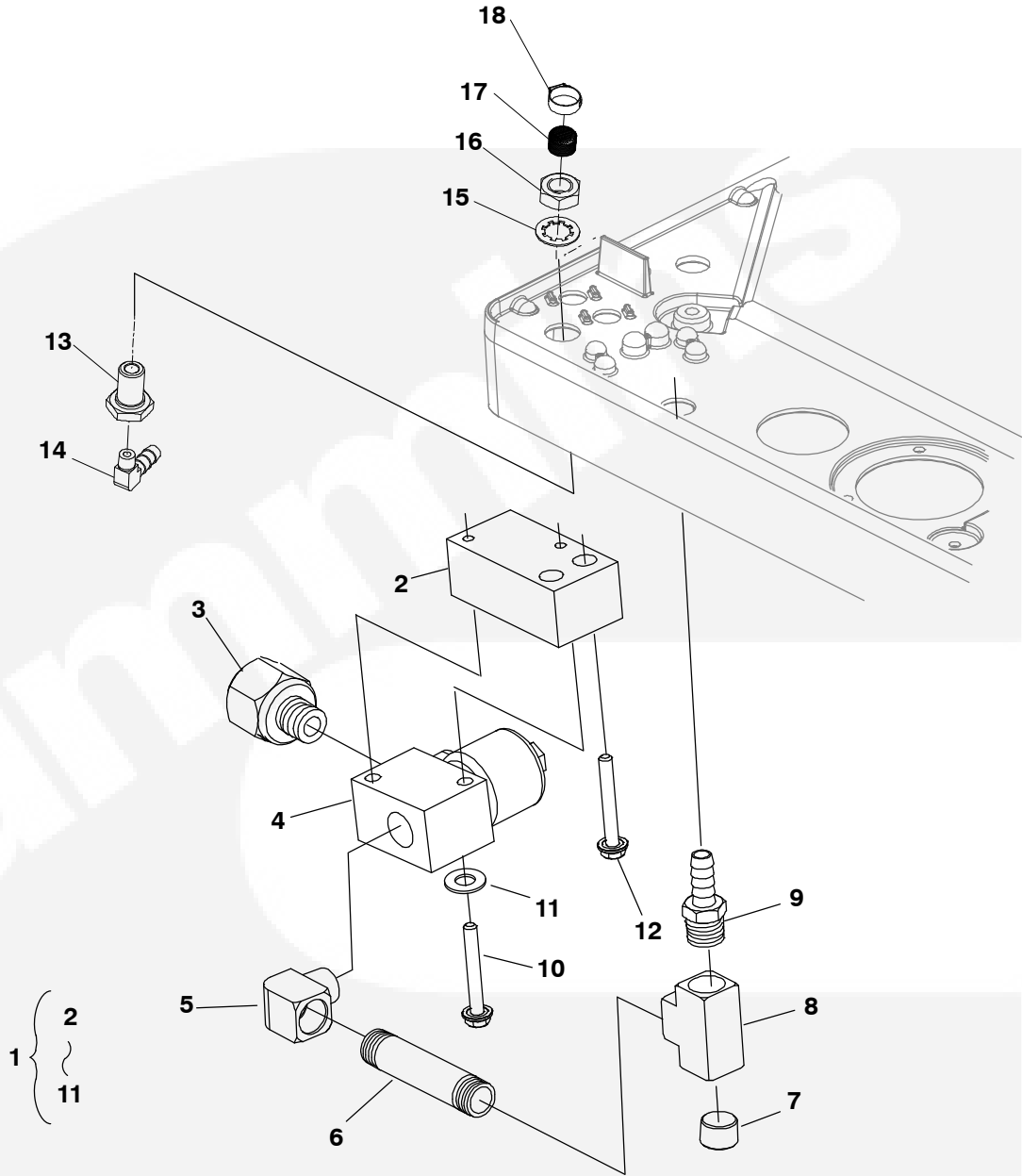
Low Pressure Regulator (LP Vapor)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	148-1131-S0	1	Assy, Regulator (Includes Parts Marked*)	8	505-0057	1	Plug, Square Head
1	148-1145	1	Regulator	9	502-1344-01	1	Bushing, Reducer
2	A029X211	1	Elbow, 90° Pipe	10	502-1346-01	1	Elbow, 45° Pipe
3	815-0753	2	Screw, Hex Washer Head Thread Form (M6 x 14mm)	11	502-1353-01	1	Elbow, 90° Pipe
4	821-2046	2	Screw, Lock Flange (M8 X 1.25 x 20mm)	12	503-1951-20	2	Clamp, Hose
5	821-2033	1	Screw, Lock Flange	13	503-2143-03	1	Hose LP Vapor Fuel
6	148-1303-02	1	Bracket, Regulator	14	503-2191	1	Hose, Bulk (3/8"ID) (99cm)
7	821-2096-02	2	Screw, Lock Flange (M6 X 1 X 12mm)	15	503-1445-04	2	Clamp, Hose

* - All Parts Included in Assembly 148-1131.

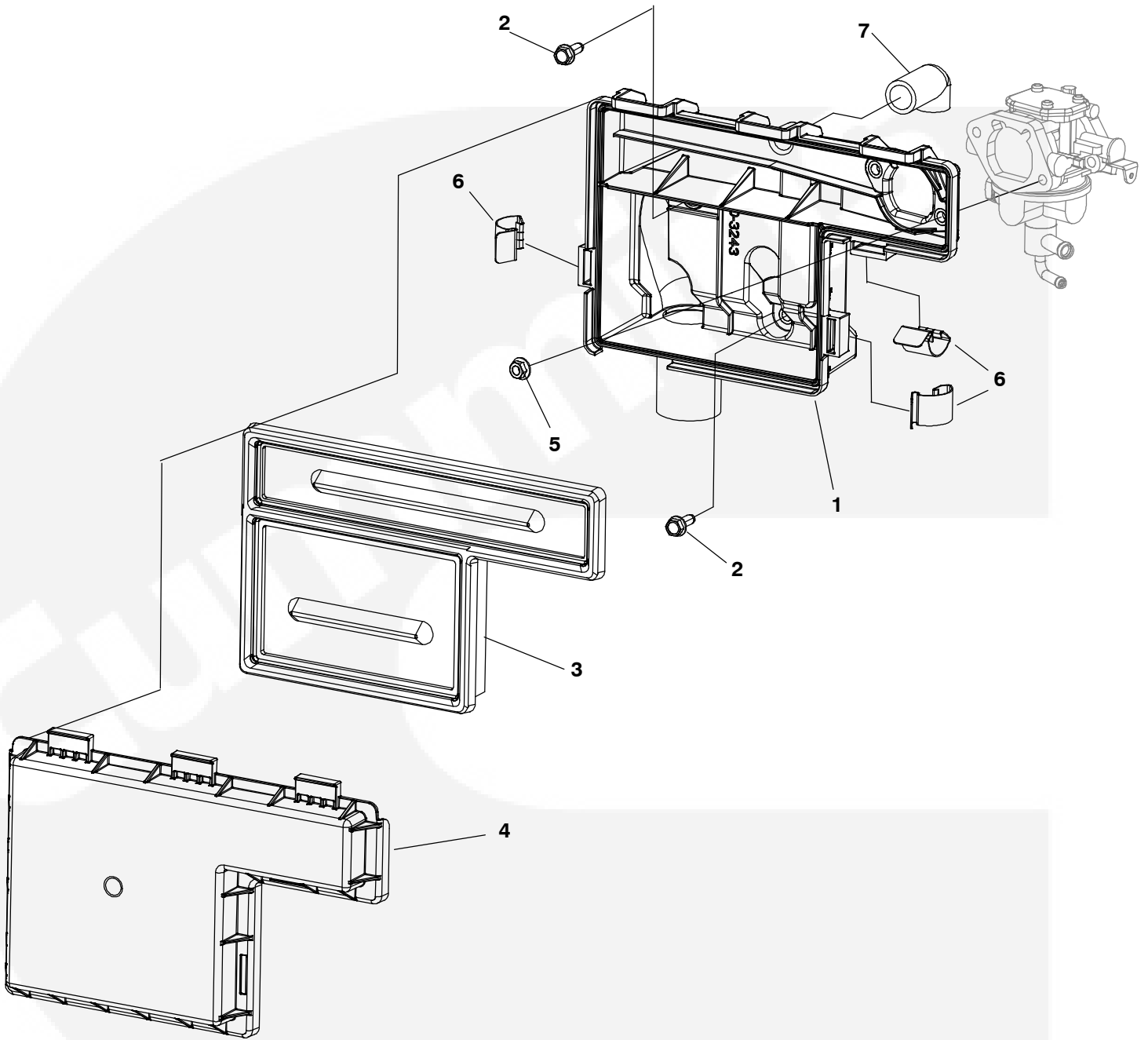
Solenoid Shutoff Valve (LP Vapor)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2938-S0	1	Solenoid Assy, Shutoff (Includes Parts Marked *)	11	526-0018	2	*Washer
2	149-2628	1	*Spacer, Solenoid	12	815-0776	2	*Screw, Hex Head Flange (M8 x 1.25mm)
3	502-1366	1	*Adapter, Pipe (3/8 NPT x 3/8 NPT)	13	502-1296-02	1	Fitting, Bulkhead
4	307-2935	1	*Valve, Fuel Shutoff	14	502-1353-01	1	Elbow, 90° Pipe
5	502-1347-01	1	*Elbow, 90° Street	15	854-0028	1	Washer, IT Lock (5/8")
6	502-1348-01	1	*Nipple, Pipe	16	868-0007	1	Nut, Hex Jam (5/8-18)
7	502-1339	1	*Plug, Pipe	17	148-1158	1	Screen, Vent
8	502-0090	1	*Tee, Pipe	18	503-1951-20	1	Clamp, Hose
9	502-1367-04	1	*Adapter, Pipe				
10	800-2040	2	Screw, Hex Head Flange (M8 x 1-1/4 x 45mm)				

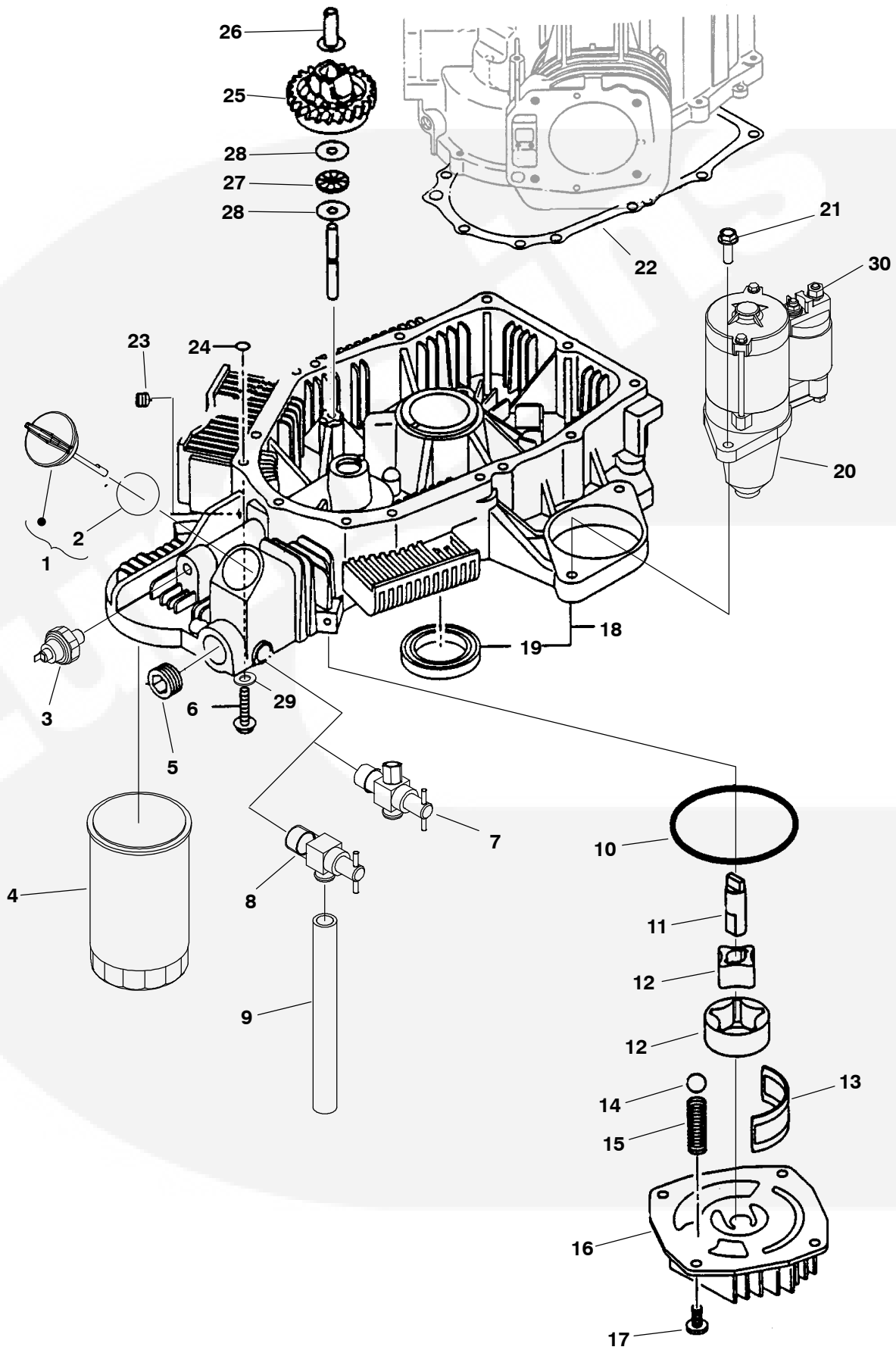
* - Parts Included in Shutoff Solenoid.

Air Cleaner



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3123	1	Housing, Air Cleaner	4	140-3122	1	Cover, Air Cleaner
2	815-0941-03	2	Screw, Hex Washer Head Thread Form (M6 x 1 x 18mm)	5	870-2065-02	2	Nut, Hex Flange
3	140-3116	1	Element, Air Cleaner	6	140-3121	3	Clip, Metal
				7	123-2109	1	Tube, Breather

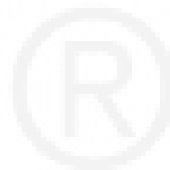
Main Bearing Cover



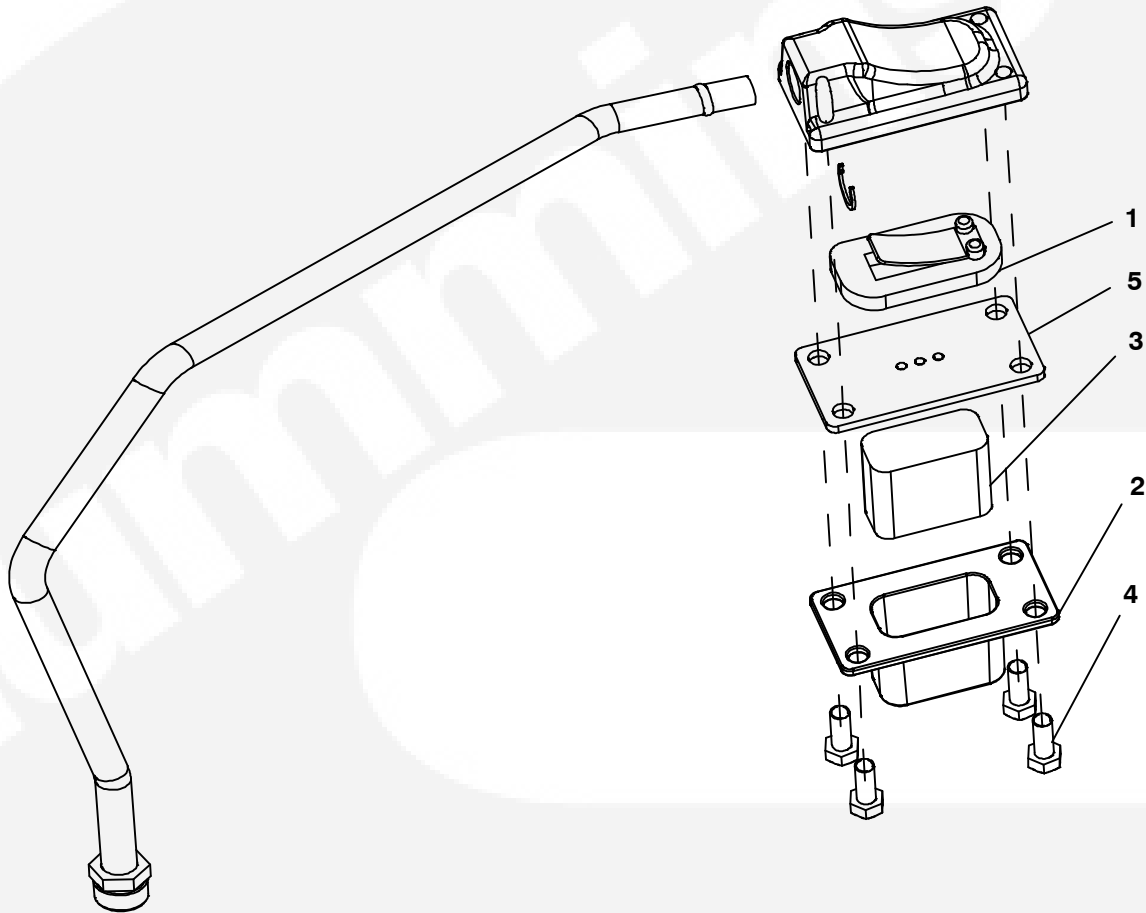
Main Bearing Cover

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6266	1	Gauge, Oil (Includes O'Ring)				Oil Seal)
2	509-0307	1	O'Ring	19	187-6228	1	Seal, Oil
3	187-6265	1	Switch, Oil Pressure	20	A029P528	1	Starter)
4	122-0836	1	Filter, Oil	21	815-0954-03	2	Screw, Flange Head Machine (M8 x 1.25 x 25mm)
5	187-6231	1	Plug, Drain	22	187-9170	1	Gasket, Main Bearing Cover
6	800-6361	10	Bolt, Flange (M8 x75mm)	23	187-6005	1	Plug, Blind
7	504-0204	1	Valve, Oil Shutoff (LP Liquid)	24	187-6239	2	O-Ring
8	504-0150	1	Valve, Oil Drain (LP Vapor Gasoline, EFI)	25	187-6229	1	Gear, Governor
9	503-0103	1	Hose, Oil Drain (6")	26	187-6011	1	Sleeve, Governor
10	187-6108	1	O-Ring	27	187-6036	1	Bearing, Thrust
11	187-6263	1	Shaft, Oil Pump	28	187-6012	2	Washer
12	187-6262	1	Rotor, Outer/Inner	29	526-0065	1	Washer
13	187-6268	1	Filter, Oil Pump	30	850-2008	1	Nut, Flange
14	187-6112	1	Ball, Steel				
15	187-6111	1	Spring, Relief Valve				
16	102-1492	1	Cover, Oil Pump				
17	187-6269	4	Bolt, Flange				
18	102-1491	1	Cover, Main Bearing (Includes				

*2 Qty O-Ring (18706239) only required for main bearing cover with machine O-Ring feature.



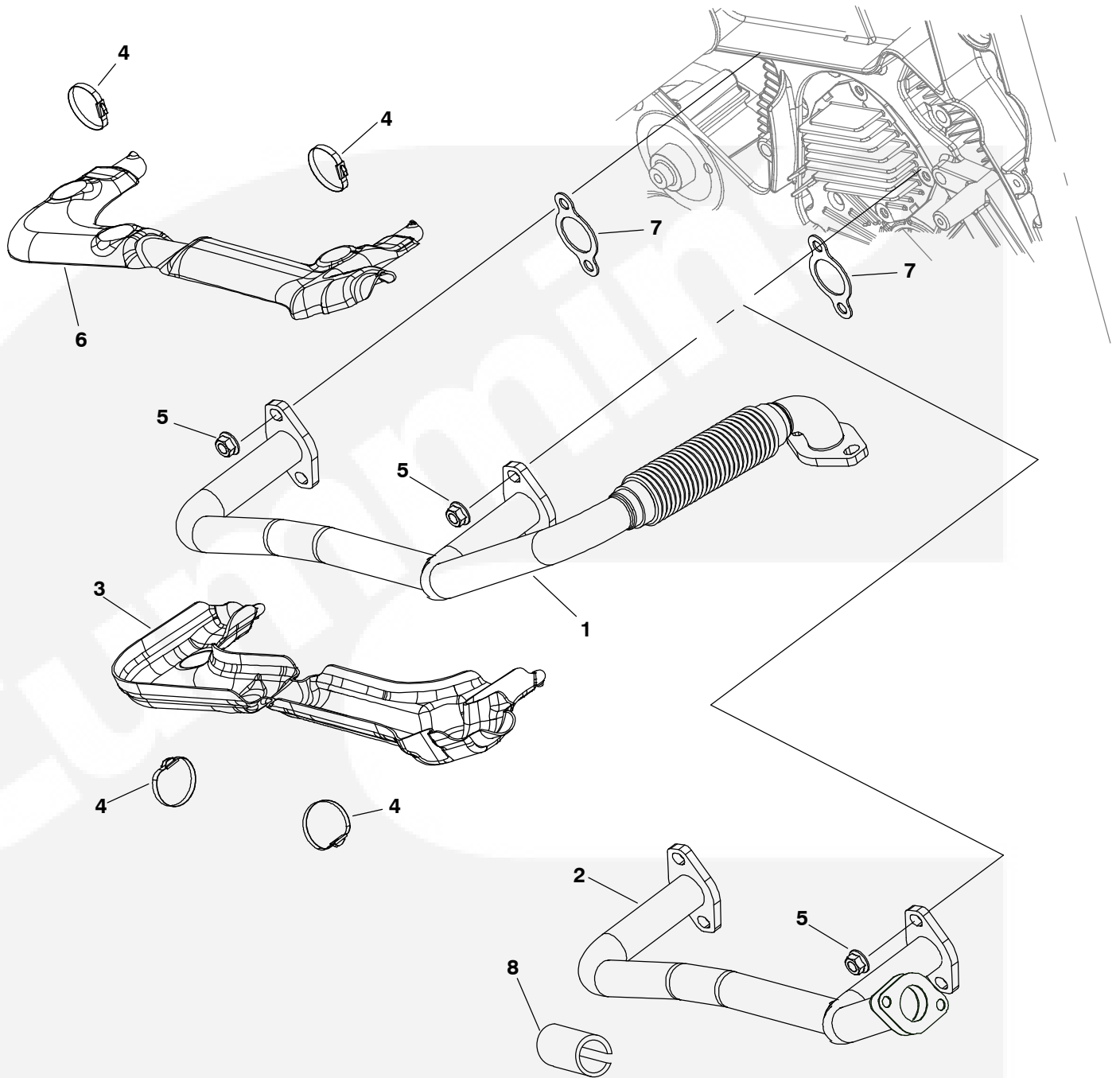
Secondary Air-Module (Begin Spec J)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A030J361	1	Module, Secondary Air	4	800-2031	4	Screw, Hex Head
1	A030J339	1	Valve	5	A041E117	1	Orifice
2	A030J351	1	Cover, Access				
3	A030J333	1	Insulation, Sound				

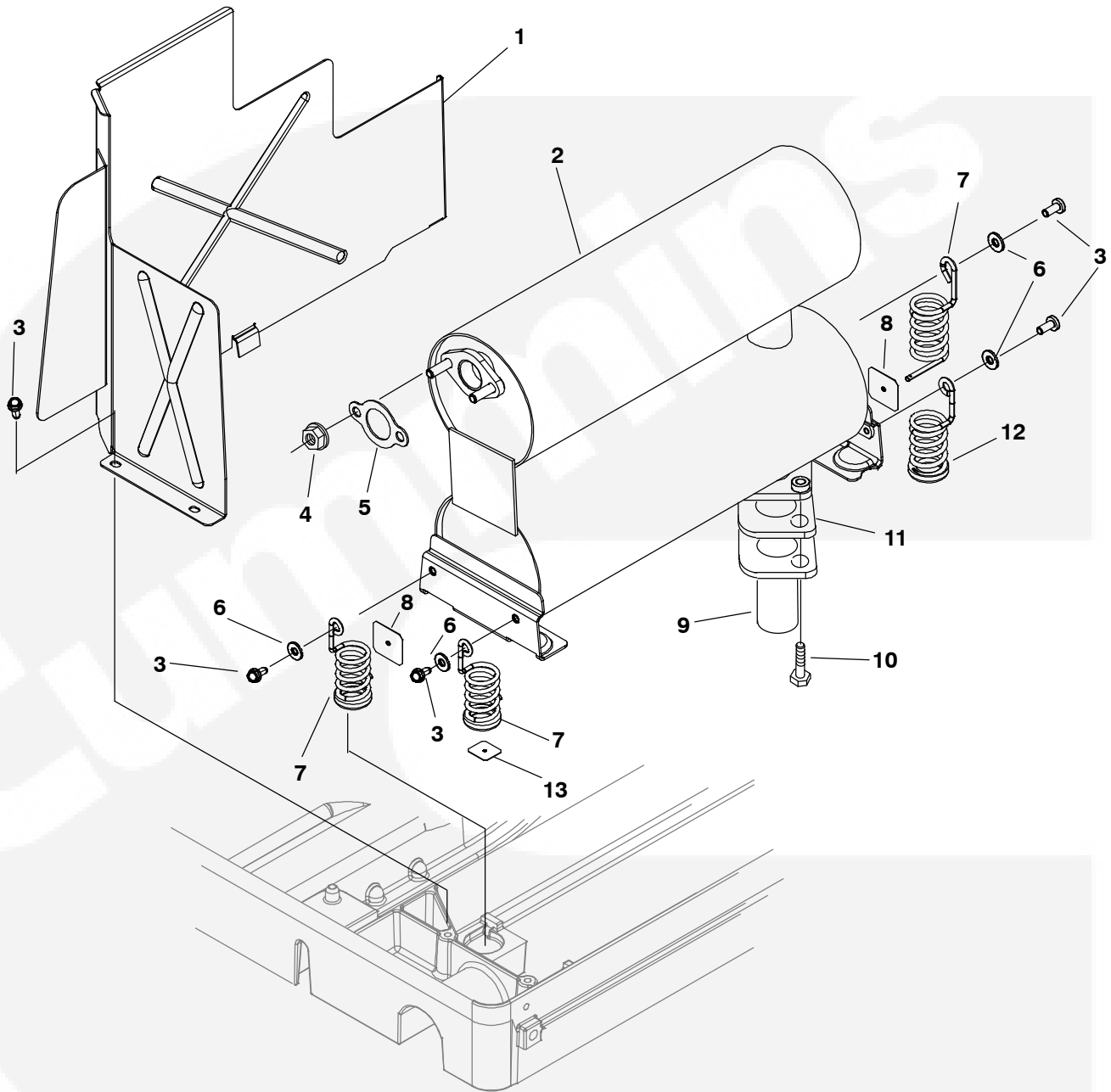


Exhaust Manifold



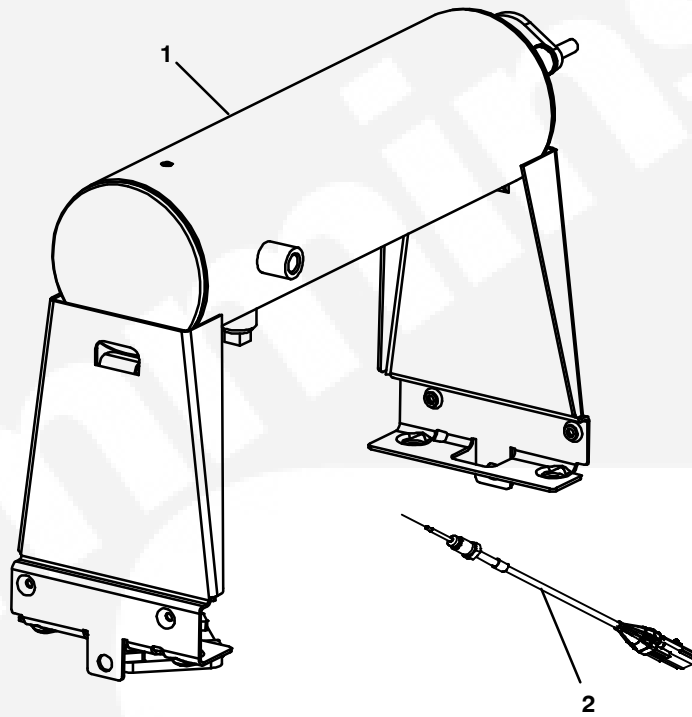
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Manifold, Exhaust (HGJAA, HGJAB) Housed sets)	5	870-0557	4	Nut, Hex Flange (M8 x 1.25")
	A026H890	1	Spec A-E	6	154-3091	1	Shield, Exhaust Manifold (HGJAA, HGJAB)
	A030H483	1	Begin Spec J	7	154-2746	2	Gasket, Exhaust Manifold
2	154-3043	1	Manifold, Exhaust (Unhoused sets HGJAC)	8	405-6103	1	Insulation, Exhaust Manifold (Unhoused HGJAC)
3	154-3092	1	Shield, Exhaust Manifold (HGJAA, HGJAB)				
4	503-2176	4	Tie, Stainless Steel				

Muffler (Spec A-E)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A030C565	1	Baffle, Exhaust LP Vapor and Gasoline	7	402-0754	3	Snubber, Spring
	134-5212-02	1	LP Liquid	8	870-0462	1	Nut, Push On
	A030J367	1	(Begin Spec J)	9	155-2610-02	1	Tube, Exhaust
2	155-3178	1	Muffler, Exhaust HGJAA	10	800-0730	2	Screw, Hex Head Crescent
	155-3387	1	HGJAB	11	154-2765	1	Gasket, Muffler
3	815-0753	7	Screw, Hex Head Thd Form (M6 x 1 x 14mm)	12	402-0755	1	Snubber, Spring
4	870-0557	2	Nut, Hex Flange (M8 x 1.25mm)	13	870-0462	8	Nut, Push-On
5	154-3112	1	Gasket, Muffler	14	155-3468		Kit, Muffler - HGJAC (Pick One of the Four Kits Listed) (Not Illustrated)
6	526-0018	4	Washer, Flat (1/4")		155-3469		
					155-3470		
					155-3499		

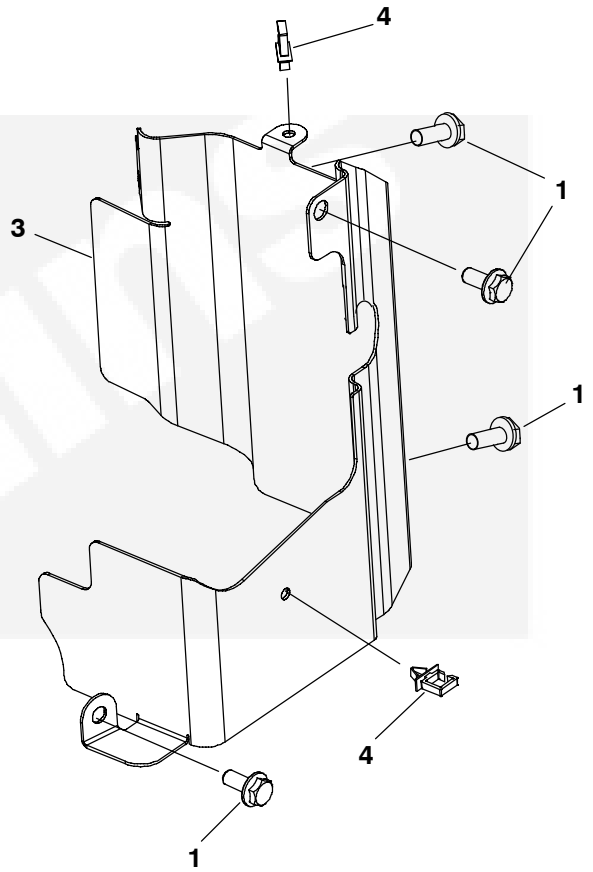
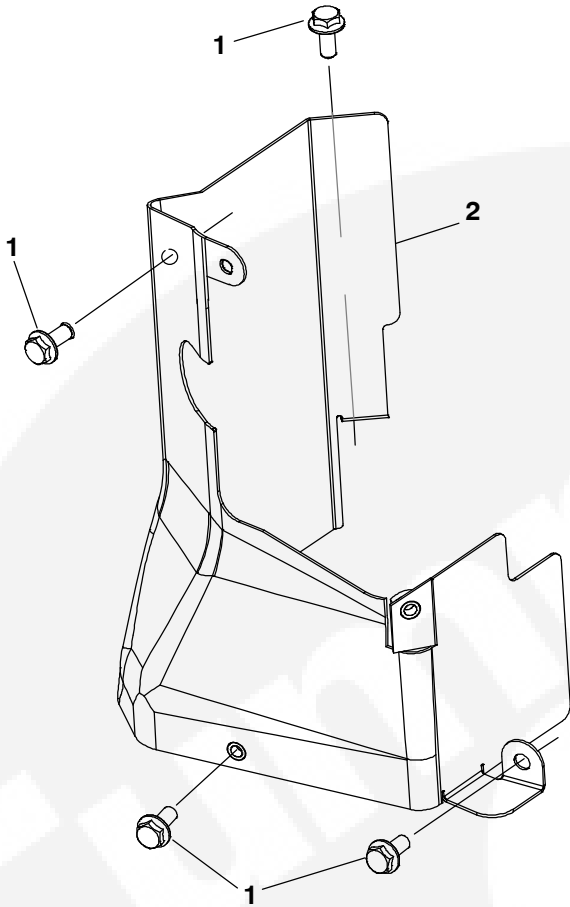
**Muffler
HGJAA/HGJAB (Begin Spec J)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A030M065	1	Silencer, Exhaust				
2	A030N808	1	Sensor, Temperature				



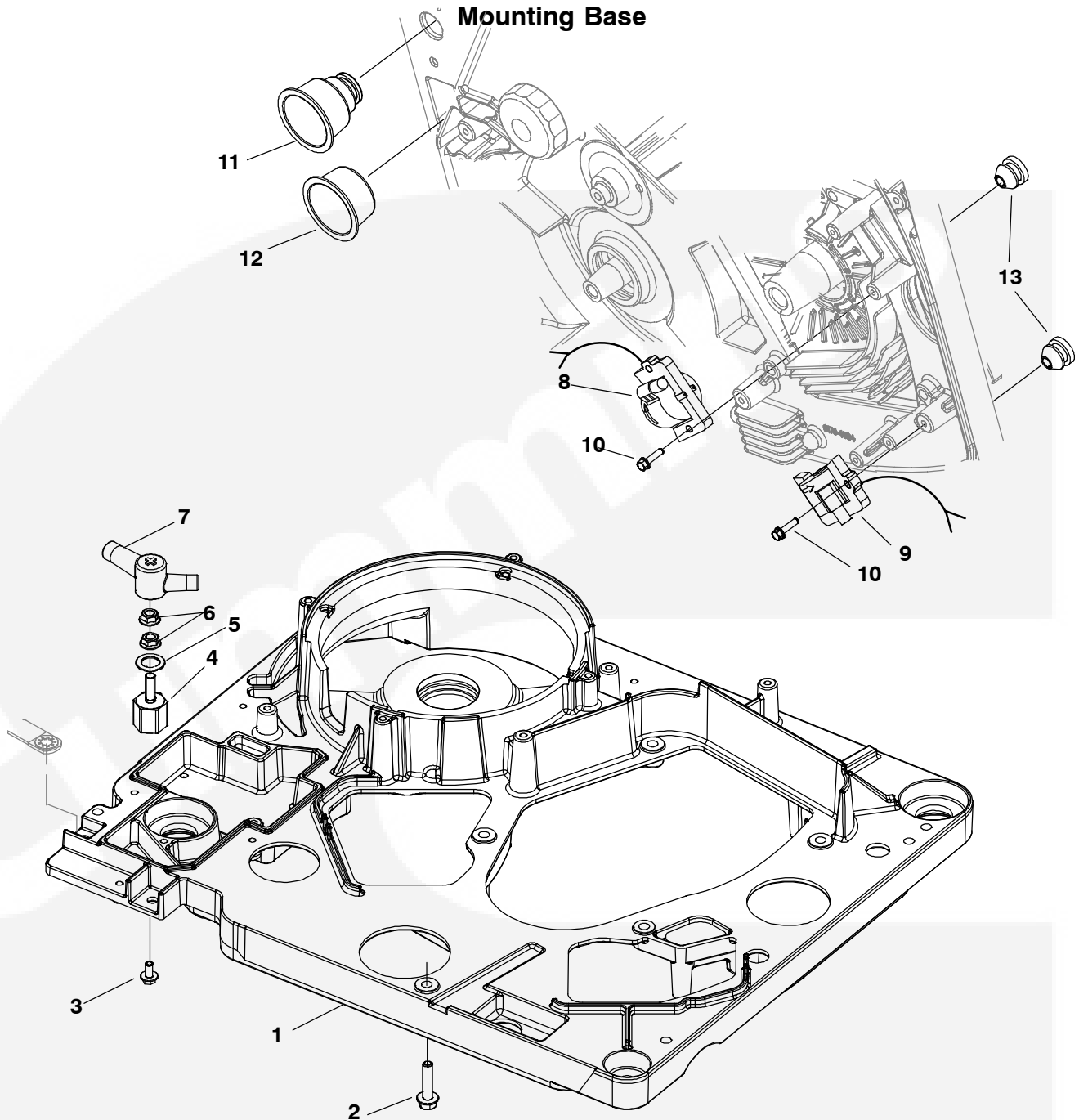
Air Cylinder Shroud



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0753	9	Screw, Hex Washer Head Thread Form (M6 x 1 x 14mm)
2	134-5188-02	1	Shroud, Cylinder (LH)

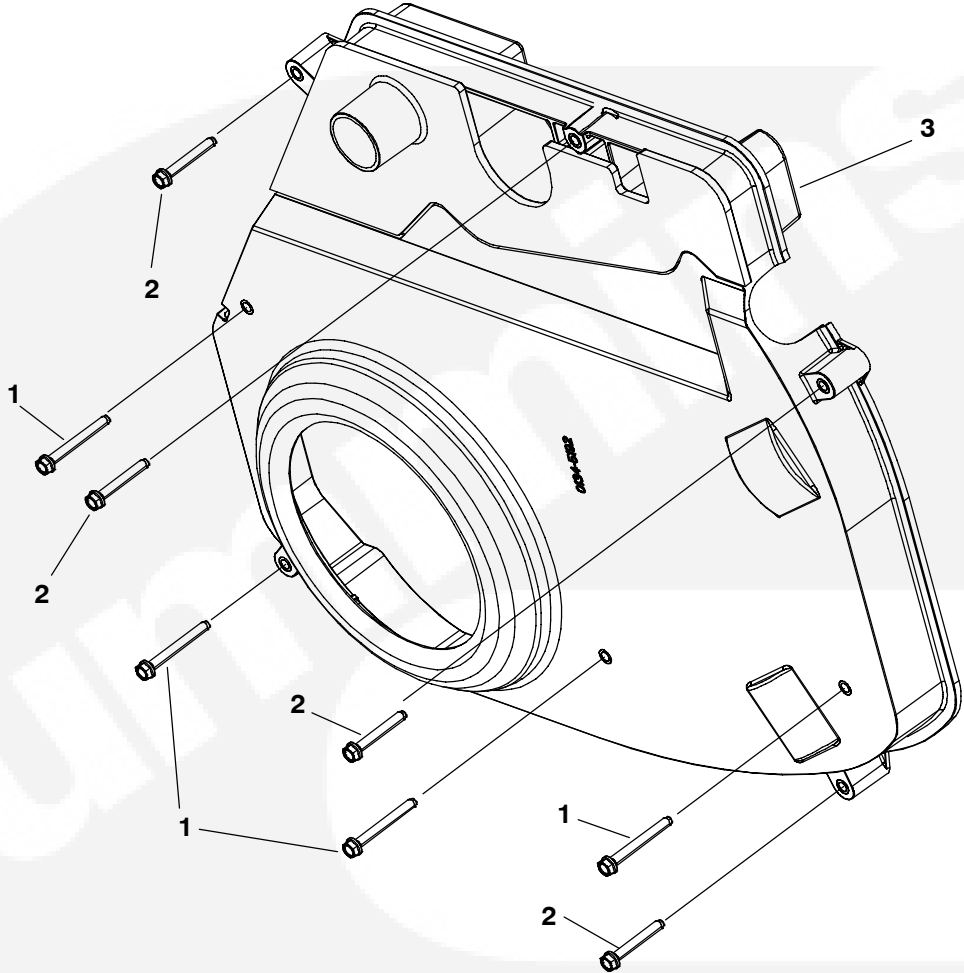
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	134-5189-02	1	Shroud, Cylinder (RH)
4	332-2904	2	Clip, Wire

Mounting Base



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-6484	1	Base, Mounting	9	166-0859-02	1	Coil, Ignition (plug wires) (573mm Lead)
2	815-0954-05	5	Screw, Flange Head Machine (M8 x 1.25 x 35mm)	10	815-0793-05	4	Screw, Hex Flange Thread Form (M5 x 0.8 x 20mm)
3	821-0010	1	Screw, Lock Head (1/4-20 x 1/2")	11	508-1133	1	Boot, Rubber Wiring
4	332-3708	1	Standoff, Insulated	12	140-3212	1	Hose, Air
5	850-0045	1	Washer,	13	508-1134	2	Grommet, Ignition
6	870-2222	2	Nut, Hex Flange (5/16-18)				
7	508-1142	1	Boot, Rubber Battery				
8	166-0859-01	1	Coil, Ignition (plug wires) (800mm Lead)				

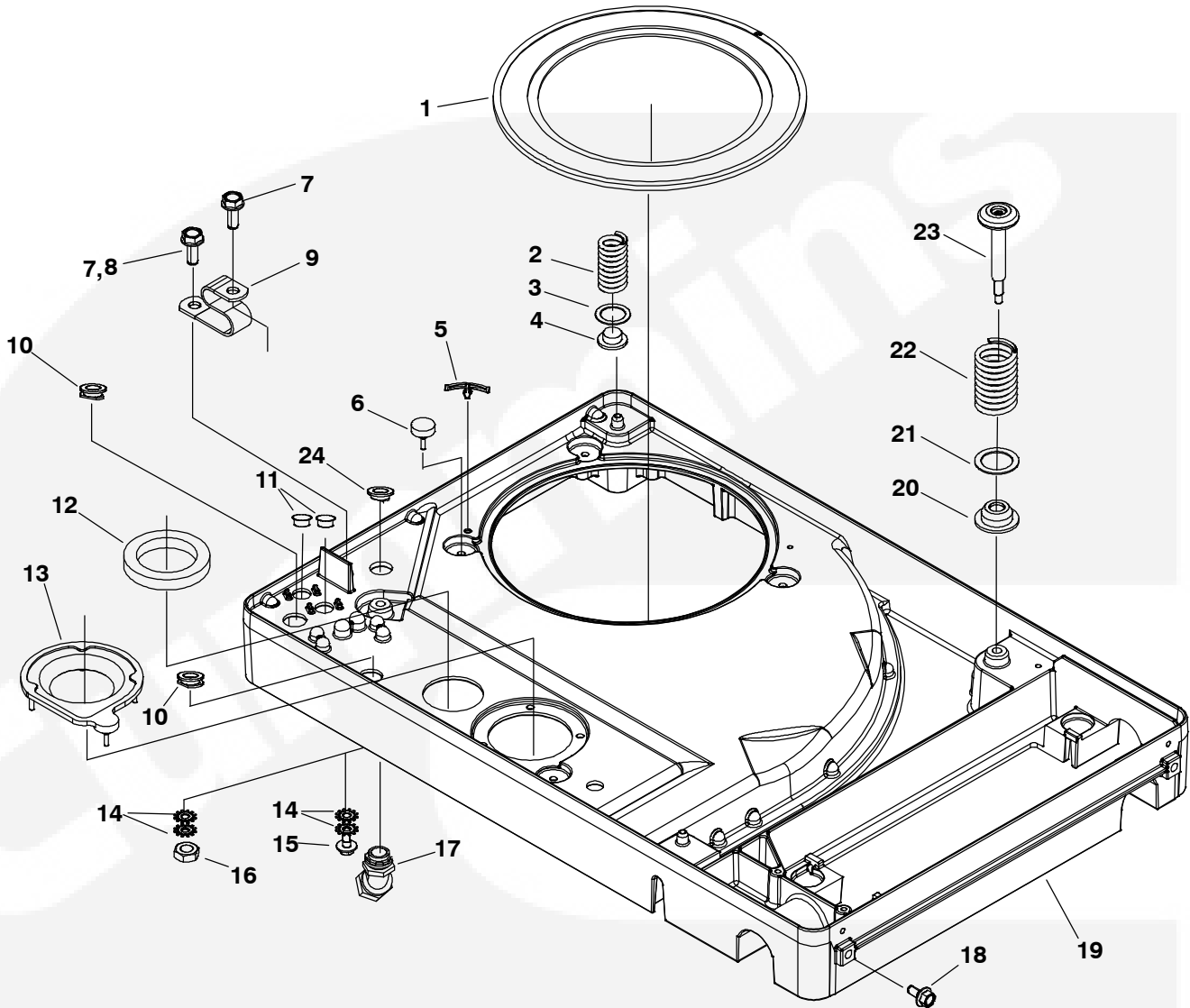
Fan Shroud



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0969-03	4	Screw, Hex Washer Head Thread Form (M6 x 1 x 46.5mm)
2	815-0969-02	4	Screw, Hex Washer Head Thread Form (M6 x 1 x 33mm)
3	134-5205-01	1	Shroud, Fan

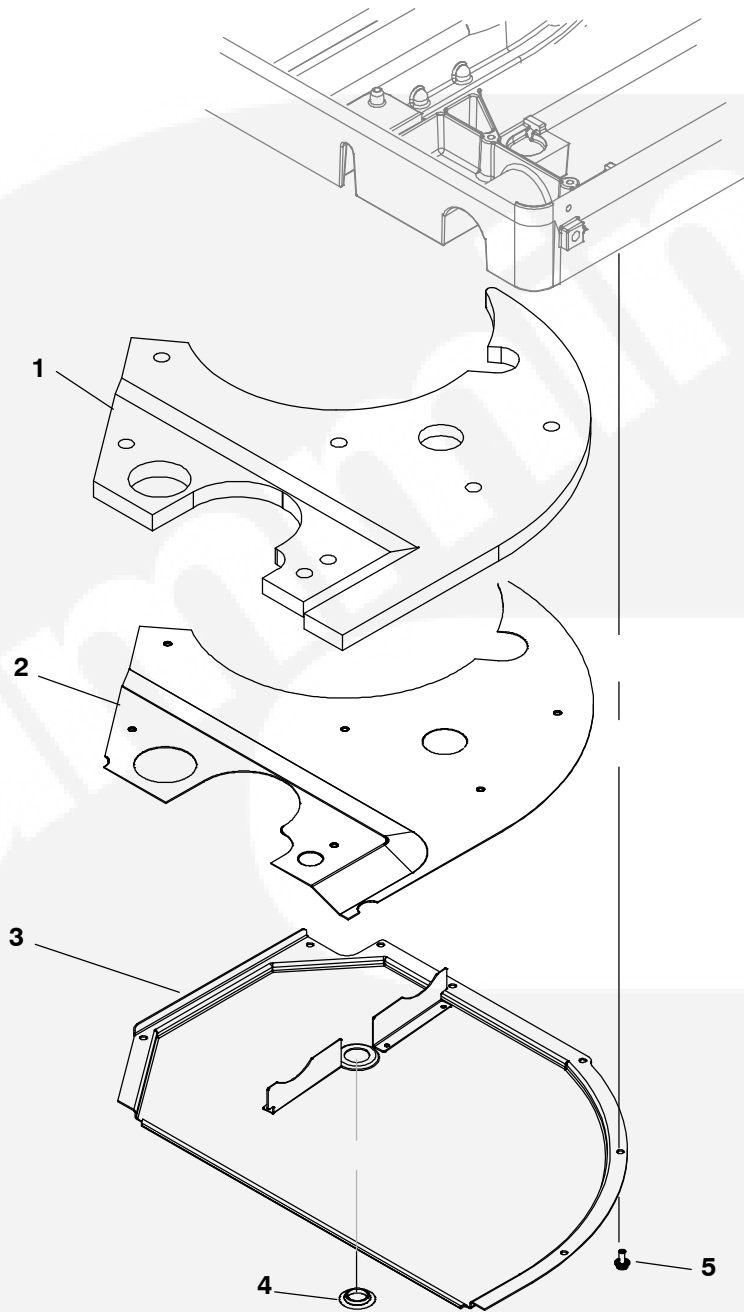


Drip Pan HGJAA/HGJAB



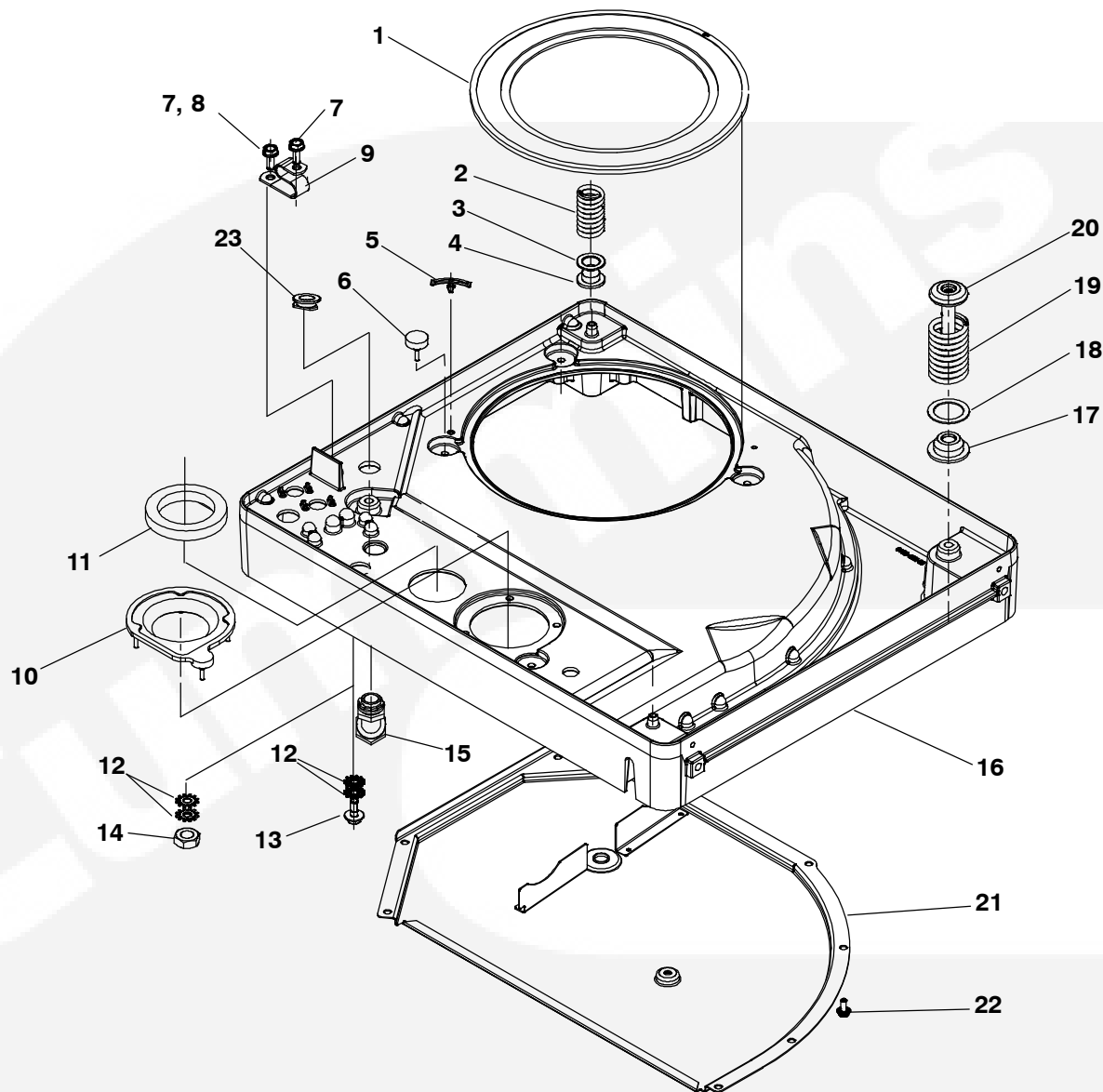
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	509-0349	1	Seal, Brush	12	405-6570	1	Seal, Air Intake
2	402-0733	2	Isolator, Spring	13	134-5211	1	Cover, Filter
3	526-0449	2	Washer, Flat	14	856-0008	2	Washer, EIT Lock (5/16")
4	402-0746	2	Isolator, Rubber	15	815-0508	1	Screw, Hex Washer Head Thread Form (5/16-18 x 3/4")
5	140-3203	2	Clip, Brush				LP Liquid, Carbureted, EFI
6	402-0744	3	Isolator, Snubber	16	862-0015	1	Nut, Hex Heavy (5/16-18 UNC)
7			Screw, Hex Washer Head (M8 x 1.25 x 20mm)				LP Vapor
	815-0829-06	2	EFI, LP Liquid	17	331-0569	1	Elbow, 45° Conduit
	815-0829-06	1	LP Vapor	18	815-0384	4	Screw, Hex Washer Head Thread Form (3/8-18 x 3/4")
8	815-0836	1	Screw, Hex Washer Head LP (5/16-18 x 1.50)	19	403-4201-01	1	Pan, Drip
9	337-0049	1	Strap, Bond	20	402-0745	2	Isolator, Rubber
10	508-1145	2	Grommet	21	526-0448	2	Washer, Flat
11			Plug, Hole	22	402-0727	2	Isolator, Vibration Spring
	517-0136	1	LP Vapor	23	815-1543	2	Screw, Socket Head Torx
	517-0136	2	LP Liquid, Carbureted Gasoline (Not used on EFI)	24	508-1182	1	Grommet (5/8")

Drip Pan Inlet Cover HGJAA/HGJAB



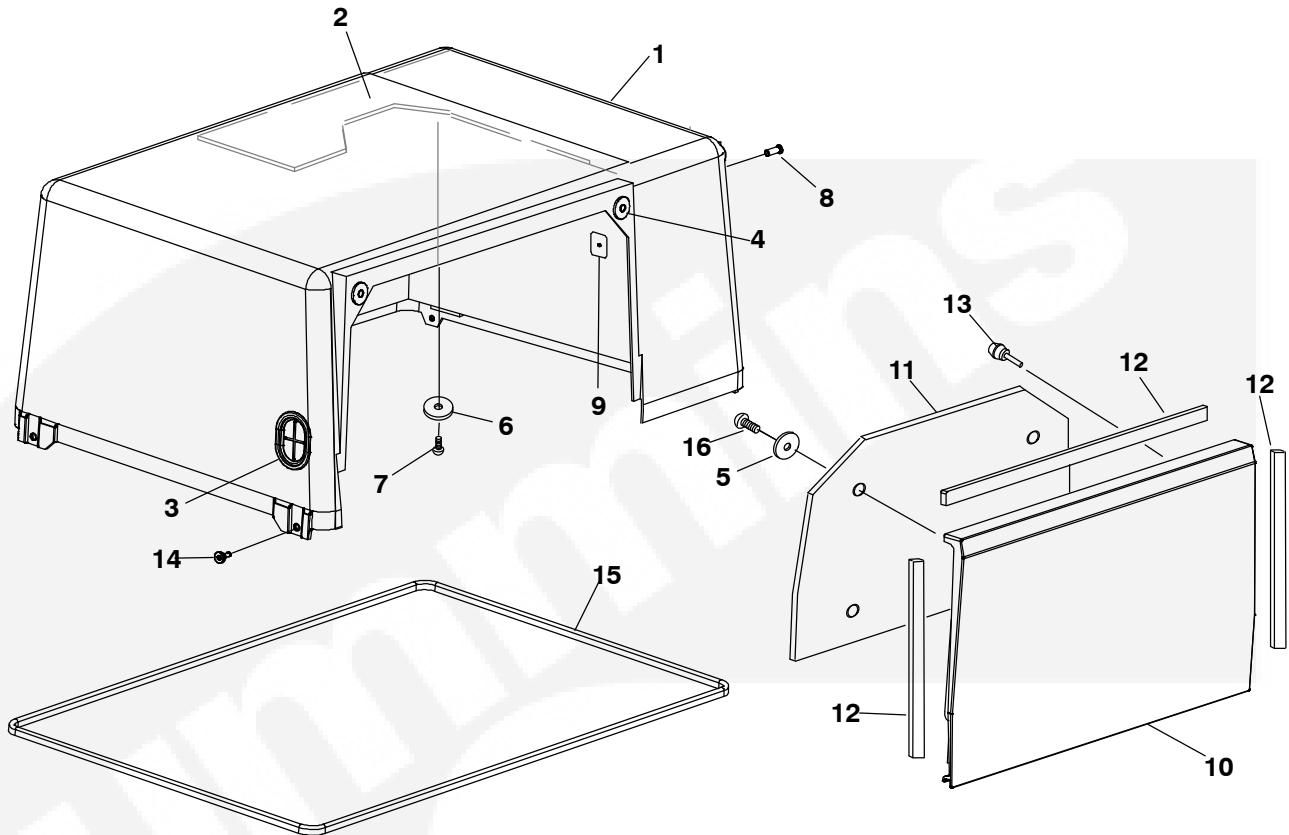
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6768	1	Insulation, Inlet Baffle	5	815-0753	17	Screw, Hex Washer Head Thread Form (M6 x 14mm)
2	A030C589	1	Retainer, Insulation				
3	134-5232	1	Cover, Inlet				
4	517-0351-01	1	Plug, Hole				

Drip Pan (HGJAC)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	509-0349	1	Seal, Brush	12	856-0008	2	Washer, EIT Lock
2	402-0733	2	Isolator, Spring	13	815-0508	1	Screw, Hex Washer Head Thd Form (5/16-18 x 3/4") LP
3	526-0449	2	Washer, Flat	14	862-0015	1	Nut Hex Heavy (5/16-18 UNC)
4	402-0746	2	Isolator, Rubber	15	331-0569	1	Elbow, 45° Conduit
5	140-3203	2	Clip, Brush	16	403-4201-03	1	Pan, Drip
6	402-0744	3	Isolator, Snubber	17	402-0745	2	Isolator, Rubber
7			Screw, Hex Washer Head Thd Form (M8 x 1.25 x 20mm)	18	526-0448	2	Washer, Flat
	815-0829-06	1	(Vapor LP)	19	402-0727	1	Isolator, Spring
	815-0829-06	2	(Gasoline, Liquid LP)	20	815-1543	2	Screw, Socket Head Torx
8	815-0836	1	Screw, Hex Washer Head Thd Form (5/16-18 x 1.5mm) Liquid Vapor	21	134-5232	2	Cover Assy, Inlet
9	337-0049	1	Strap, Bond	22	815-0753	10	Screw, Locking Flange (M6 x 1 x 14)
10	134-5211	1	Cover, Oil Filter	23	508-1182	1	Grommet (5/8")
11	405-6570	1	Seal, Air Intake				

Housing (Spec A-E) HGJAA/HGJAB



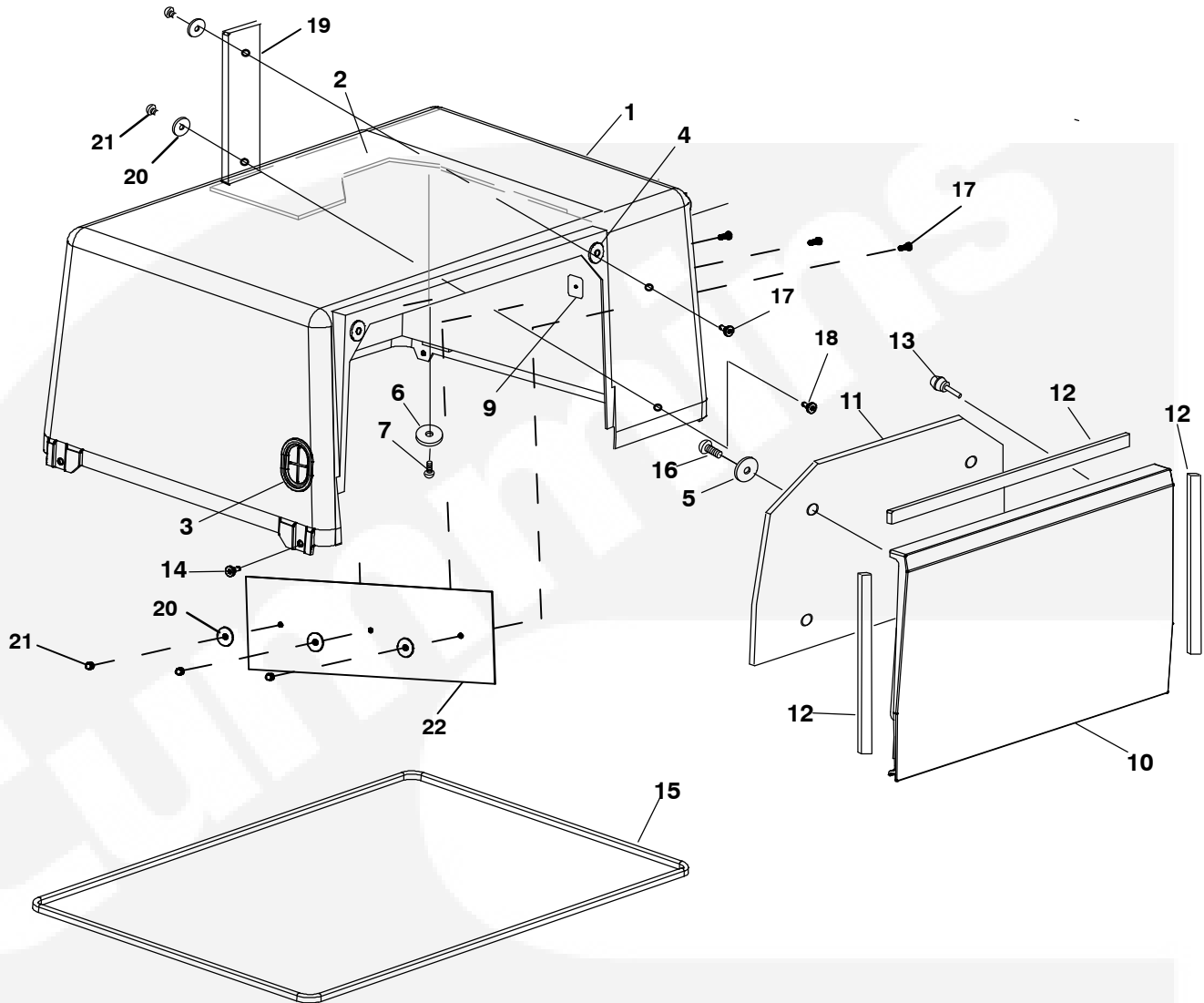
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	405-6915-01	1	Assy, Housing (Black) (Includes Enclosure and Door Assy)(Includes Parts Marked + and *)	10			+ Door, Enclosure Spec A
1	405-6916-01	1	*Cover, Enclosure (Black)	11	405-5943	1	+ Insulation, Door
2	405-5940	1	*Insulation, Cover	12	405-4311-01	1	+ Gasket, Door (1182mm)
3	508-1116	1	*Grommet, Remote	13	516-0258	2	+ Pin, Latch
4	508-1164	2	*Grommet	14	823-0015	4	Screw, Shoulder Torx (M6 x 1 x 10mm)
5			Washer, Flat (1/4" ID x 1.25" OD)	15	508-1155	1	Seal, Cover (2736mm)
	526-0394	3	* Enclosure	16	819-1145	4	+ Screw, Pan Head Stainless (#10 x 1/2")
	526-0394	4	+ Door				
6	526-0130	2	*Washer, Flat (1/4" ID x 1" OD)				
7	819-1145	5	*Screw, Pan Head Thread Form Stainless (#10 x 1/2")				
8	818-0226-02	2	*Rivet				
9	870-0462	2	*Nut, Push-on				

* - Parts Included in Housing Assy.

+ - Parts Included in Door Assy.

Note: HGJAC is Unhoused.

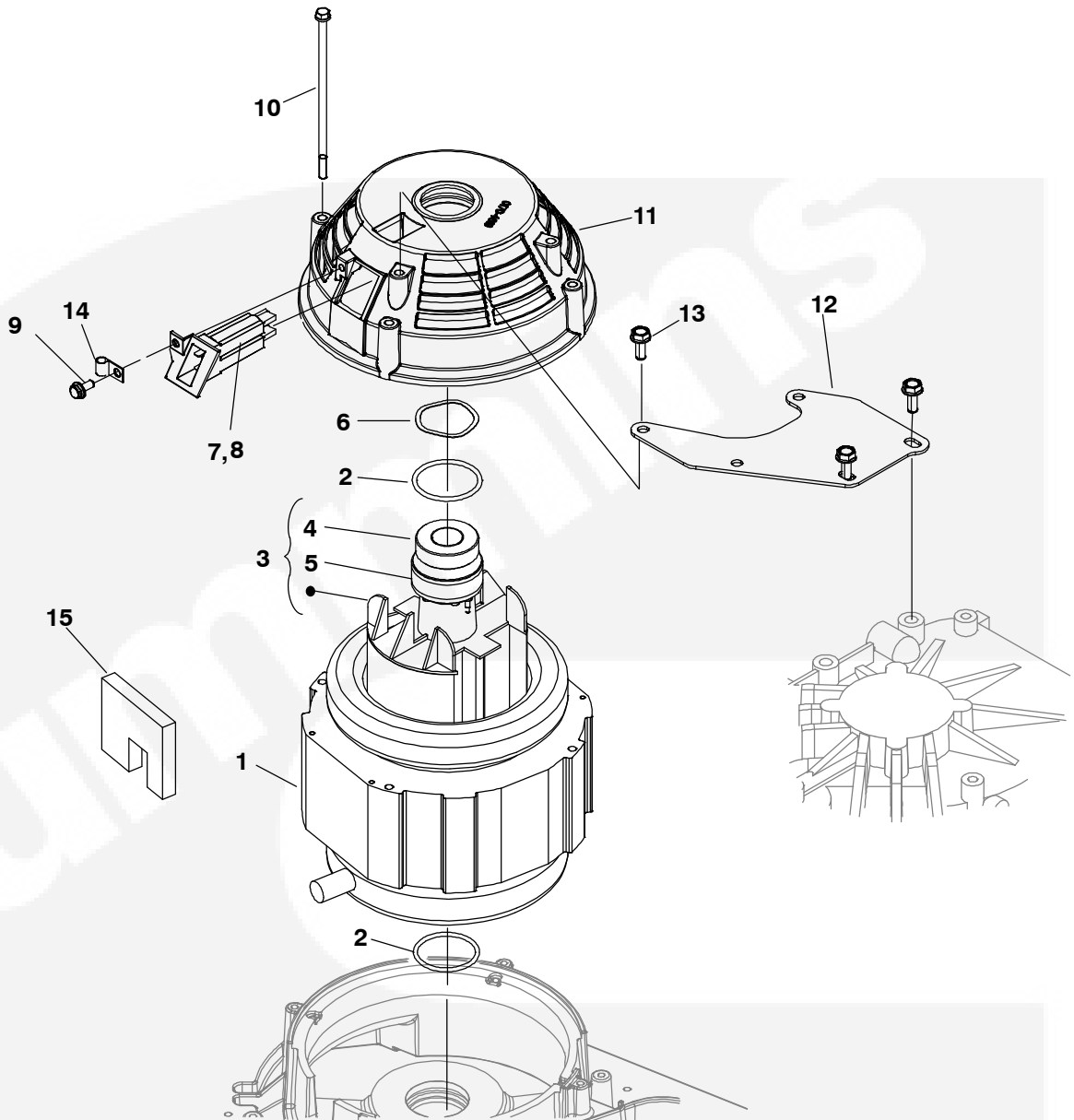
Housing (Begin Spec J) HGJAA/HGJAB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A030W745		Assy, Housing (Green) (Includes Enclosure and Door Assy)	14	823-0015	4	Screw, Shoulder Torx (M6 x 1 x 10mm)
1	A030T897		*Cover, Enclosure (Green)	15	508-1155	1	Seal, Cover (2736mm)
2	A035H749	1	*Insulation, Cover	16	819-1145	4	+ Screw, Pan Head Stainless (#10 x 1/2")
3	508-1116	1	*Grommet, Remote	17	A047C768	4	# Screw (20mm)
4	508-1164	2	*Grommet	18	A047C770	1	# Screw (25mm)
5			Washer, Flat (1/4" ID x 1.25" OD)	19	A035H733	1	Shield, Heat
	526-0394	3	* Enclosure	20	0526-0130	14	Washer, Flat (1/4"x1")
	526-0394	4	+ Door	21	A035H735	5	Nut
6	526-0130	2	*Washer, Flat (1/4" ID x 1" OD)	22	A035H737	1	Shield, Heat
7	819-1145	5	*Screw, Pan Head Thread Form Stainless (#10 x 1/2")	23	A047N988	1	#Kit, Screw
8	818-0226-02	2	*Rivet				
9	870-0462	2	*Nut, Push-on				
10	A030W739		+Door, Enclosure				
11	405-5943	1	+Insulation, Door				
12	405-4311-01	1	+Gasket, Door (1182mm)				
13	516-0258	2	+Pin, Latch				

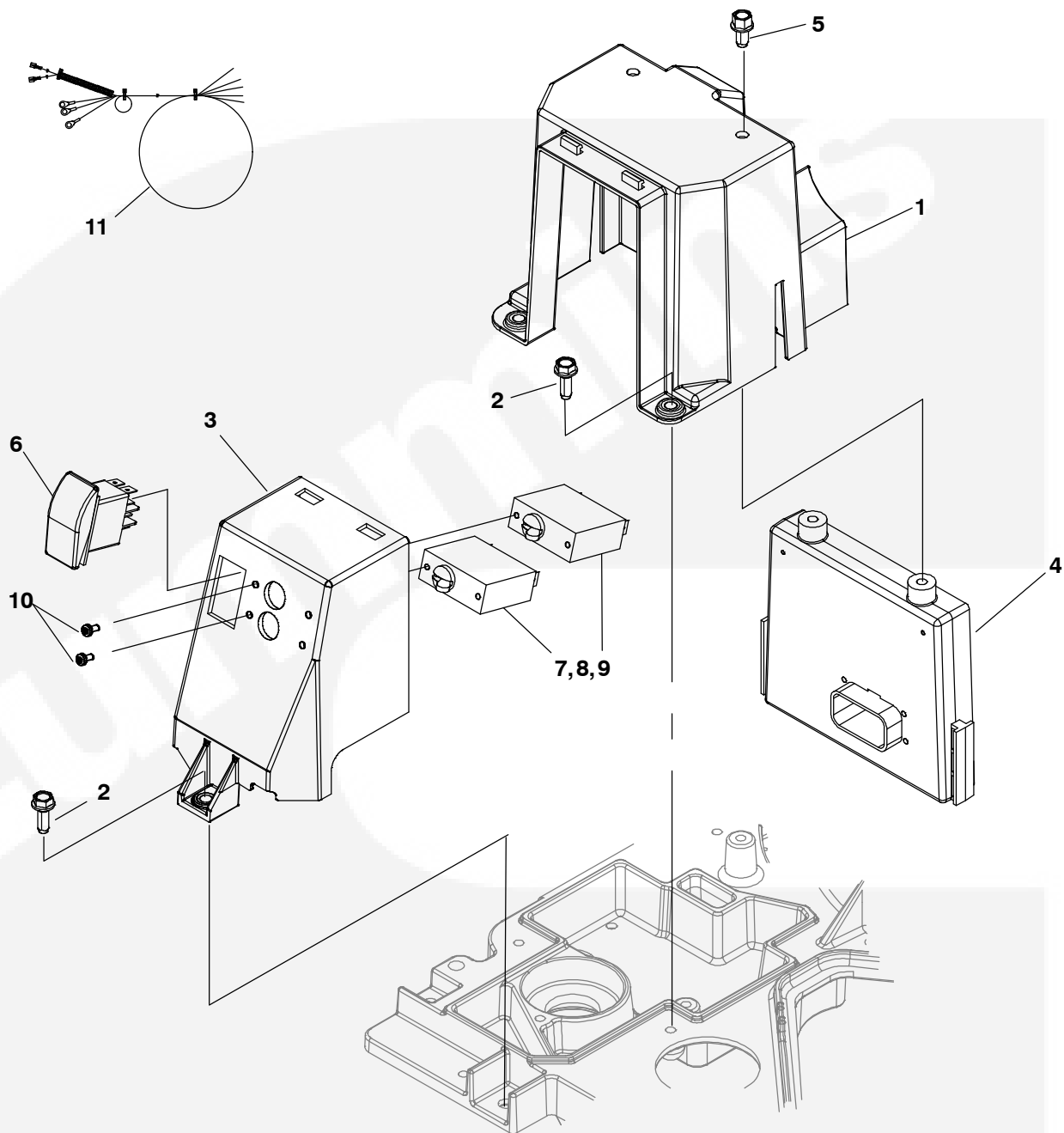
* - Parts Included in Housing Assy.
+ - Parts Included in Door Assy.
-Parts Included in Screw Kit
Note: HGJAC is Unhoused.

Generator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator				Brush and Spring)
	220-4544-S1	1	6.5/7.0kW (95mm)	8	212-1276-03	2	Spring, Generator Brush
	220-4544-S2	1	5.5kW (80mm)	9	815-0753	1	Screw, Lock Flange
2	509-0420	2	O'Ring	10			Bolt
3			Rotor Assy (Includes Bearings and Collector Ring				6.5/7.0kW (M6 x 1 x 160mm)
			Spec A-C		815-0927-01	4	5.5kW (M6 x 1 x 145mm)
	201-3638-01	1	5.5kW	11	211-0508	1	Endbell, Generator
	201-3638-02	1	6.5/7.0kW	12			Bracket, Generator Stab
			Begin Spec D		211-0494-02	1	6.5/7.0kW
	201-3638-01	1	5.5kW		211-0500-02	1	5.5kW
	201-3638-02	1	6.5/7.0kW	13	815-0829-06	4	Screw, Hex Washer Thread Form (M8 x 1.25 x 20mm)
4	510-0185	2	Bearing Kit, Ball	14	332-2319	1	Clamp, Cable
5	204-0141	1	Ring, Collector	15	405-6701	1	Seal, Control
6	851-0045	1	Washer, Wave	16	403-5490	1	Shim, Endbell (Not Shown)
7	212-1303	1	Block, Brush (Includes Block,				

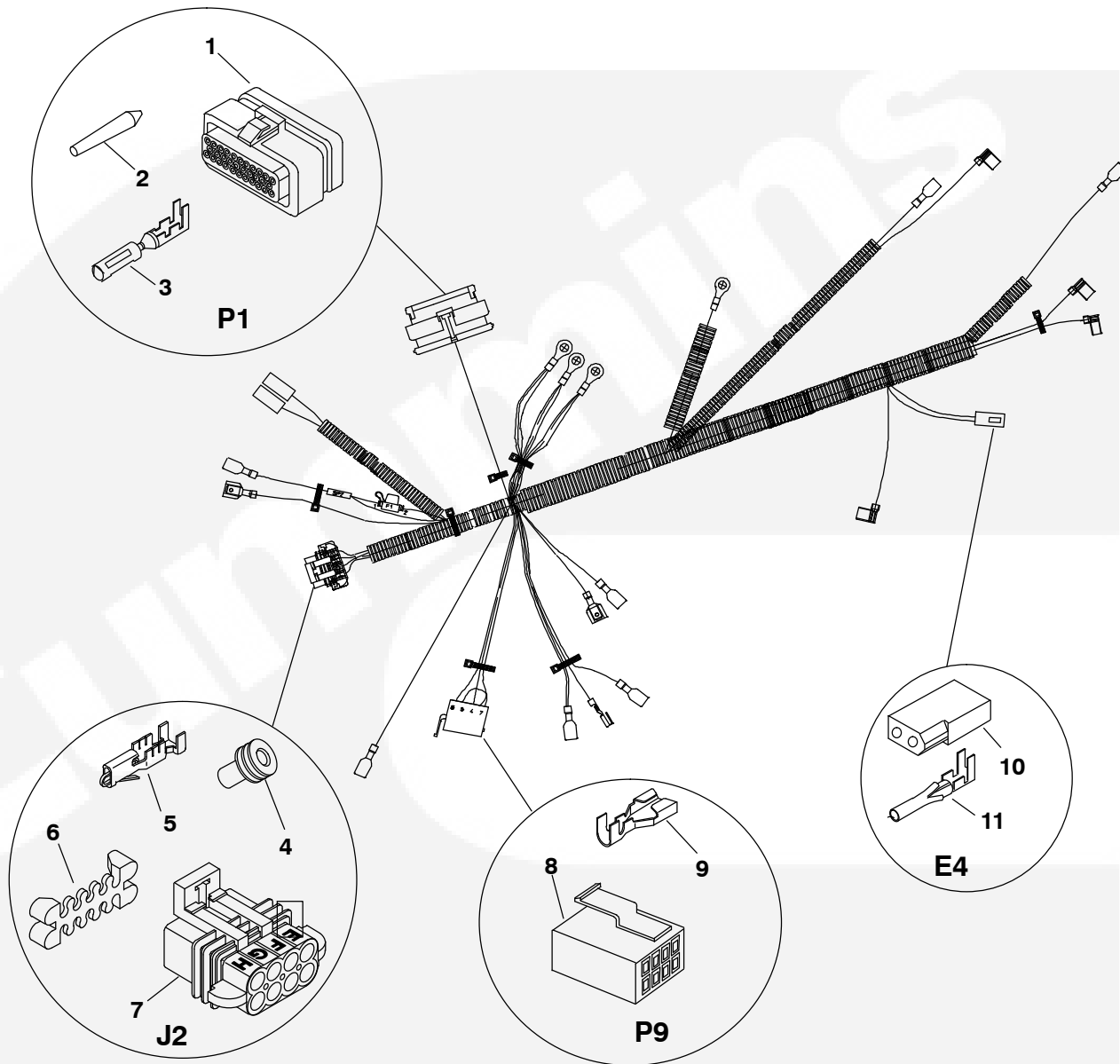
Control Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4308	1	Cover, Control	6	308-1038	1	Thread Form (1/4-10 x 1/2")
2	815-0941-03	6	Screw, Hex Washer Head Thread Form (M6 x 1 x 18mm)	7	320-1323	2	Switch, Rocker
3	319-4307-01	1	Cover, Switch	8	320-1323	1	Breaker, Circuit (30/30Amp)
4	300-5503	1	Control, PCB		320-2003-01	1	Breaker, Circuit (30/20Amp)
	300-5374	1	HGJAA (Spec A-E)		320-1322	2	30Amp
	A032Y912	1	HGJAB (Spec A-E) & HGJAC (Spec A-C)	9	320-1322	2	20Amp
		1	(HGJAA & HGJAB) (Begin Spec J)	10	815-0550-03	4	Breaker, Circuit (25/25Amp)
5	815-0943-02	2	Screw, Hex Washer Head	11	338-3706	1	Screw, ET Pan Head Cross Recessed (#6-32 x 3/8")
							Harness, AC Output

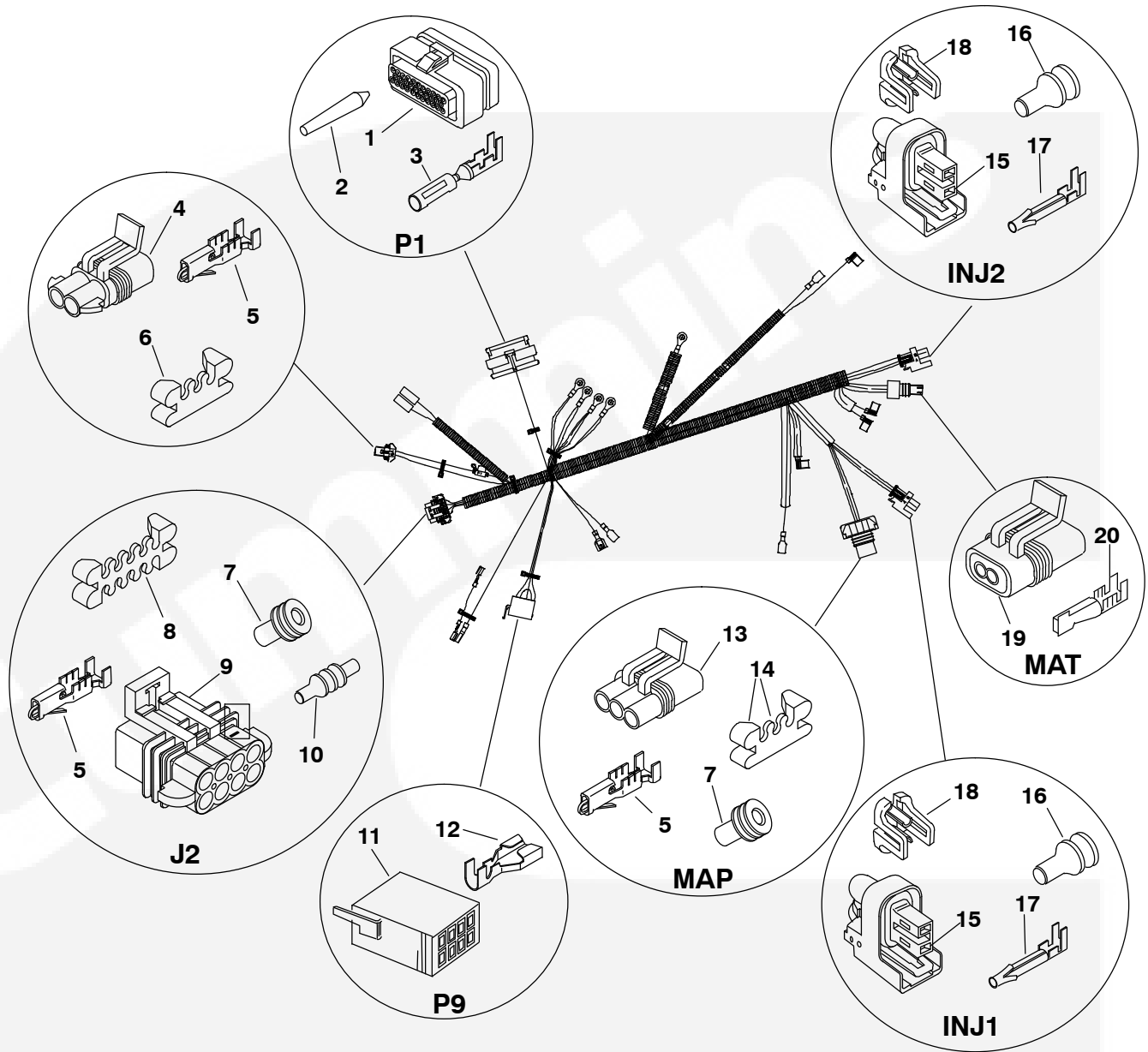
Engine Harness

(All Sets Except EFI) (Spec A-E)



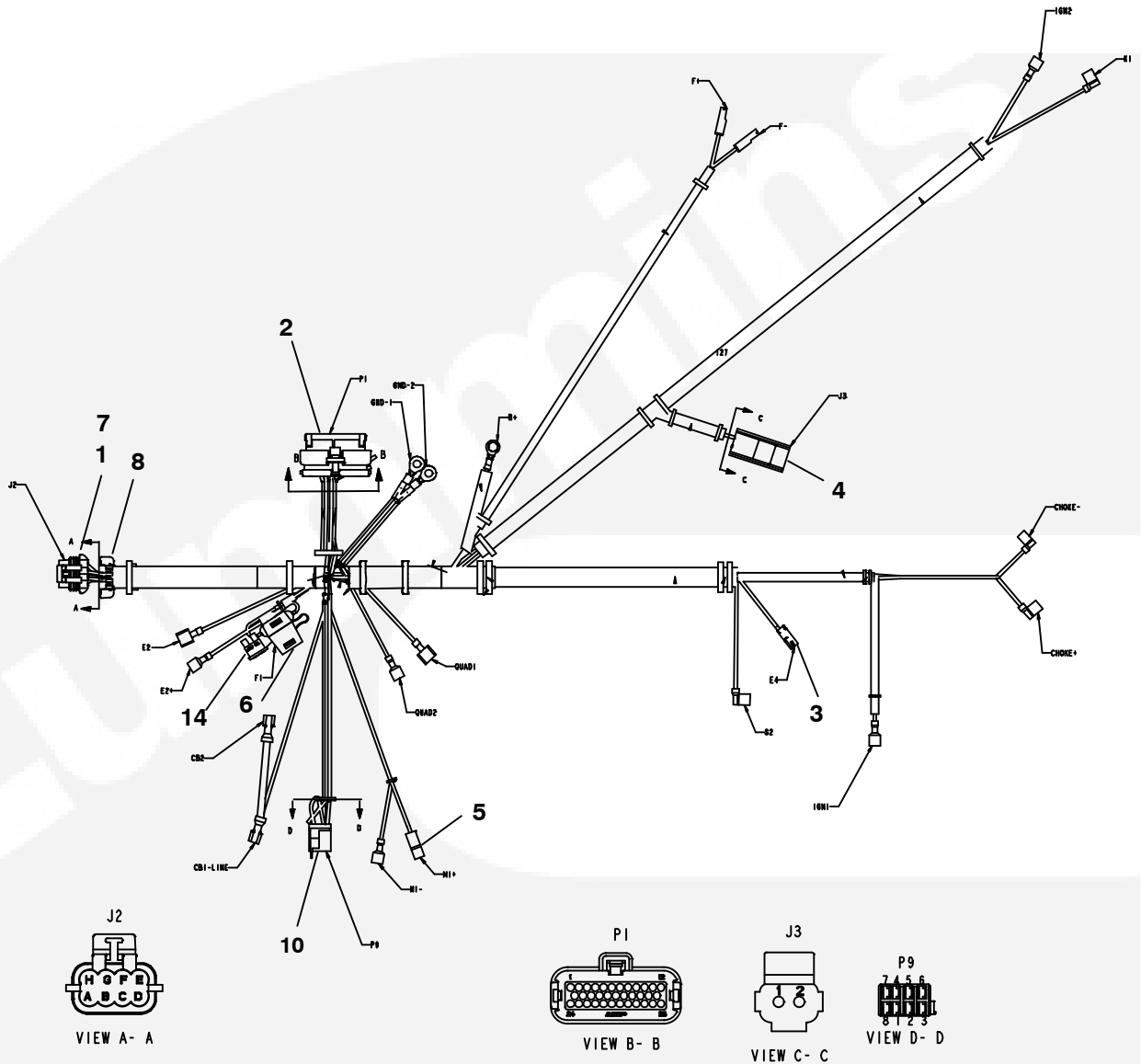
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3847	1	Harness, Engine	7	323-1743	1	Connector, Plug (J2) (8 Pin)
1	323-1605-01	1	Connector, Plug (P1) (23 Pin)	8	308-1019	1	Connector, Switch Housing (P9)
2	323-1615	5	Plug, Cavity (P1)	9	332-2928	AR	Terminal, Receptacle (P9)
3	323-1614-01	AR	Terminal, Socket (P1)	10	323-1861	AR	Housing, 2 Pin (E4)
4	323-1708	7	Seal, Cable (J2)	11	323-1860	AR	Terminal, Socket (E4)
5	323-1709	AR	Terminal, Socket (J2)				
6	323-1741	1	Housing, Lock (J2)				

Engine Harness (EFI Sets) (Spec A-E)



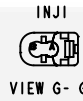
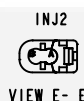
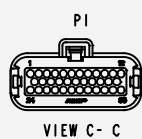
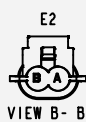
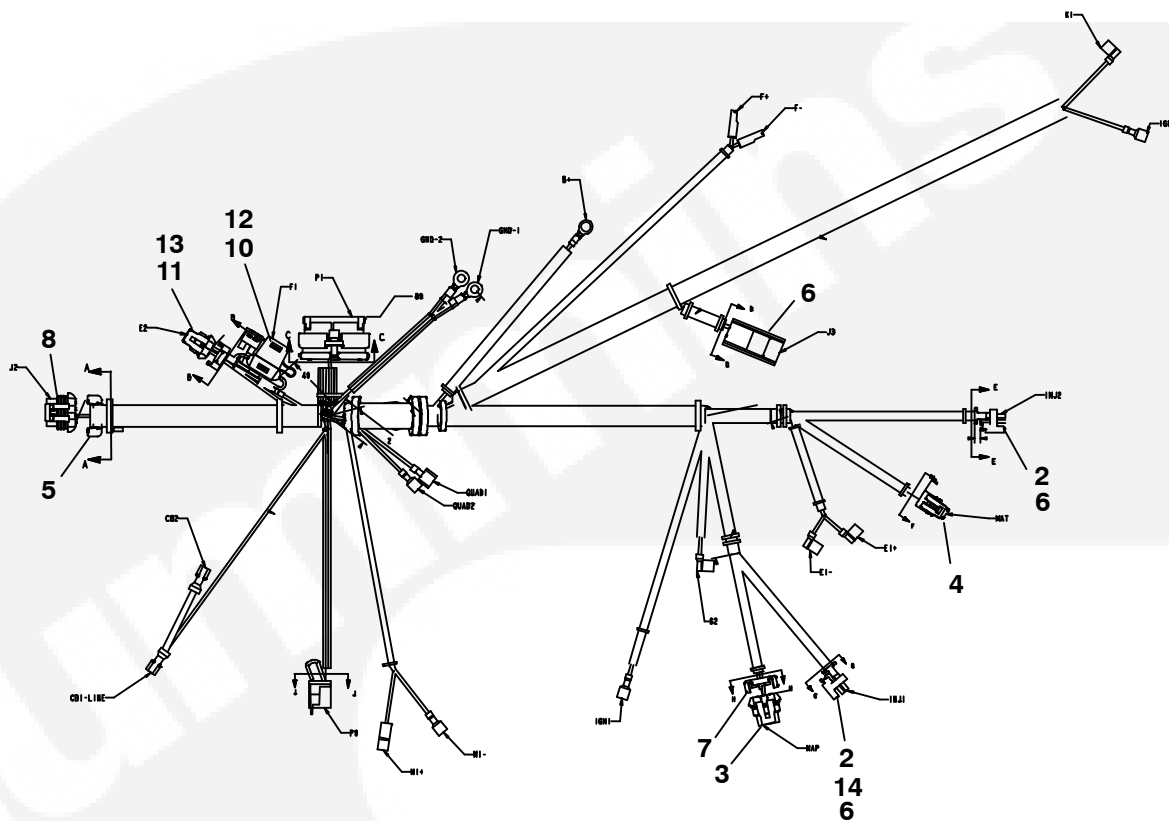
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3609	1	Harness, Engine	11	308-1019	1	Connector, Switch Housing (P9)
1	323-1819-01	1	Connector, Plug (P1) (35 Pin)	12	332-2928	AR	Terminal, Receptacle (P9)
2	323-1615	5	Plug, Cavity (P1)	13	323-1815	1	Housing, Connector (MAP)
3	323-1614-01	AR	Socket, Terminal (P1)	14	323-1816	1	Housing, Lock (MAP)
4	323-1884	1	Connector, (2 Pin) (E2)	15	323-1812	2	Housing, Connector (INJ1, INJ2)
5	323-1709	AR	Terminal, Socket (E2)(J2)(MAP)	16	323-1813	4	Terminal, Seal (INJ1, INJ2)
6	323-1890	1	Housing, Lock (E2)	17	323-1810	AR	Terminal, Socket (INJ1, INJ2)
7	323-1708	10	Seal, Cable (J2)(MAP)	18	323-1814	2	Housing, Lock (INJ1, INJ2)
8	323-1741	1	Housing, Lock (J2)	19	323-1817	1	Housing, Connector (MAT)
9	323-1743	1	Connector, Plug (J2) (8 Pin)	20	323-1818	AR	Terminal, Socket (MAT)
10	323-1712	1	Plug, Cavity (J2)				

Engine Harness (Non EFI) HGJAB (Begin Spec J)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A040E712	1	Harness, Engine	6	321-0325	1	Holder, Fuse (F1)
1	323-1743	1	Connector, Plug (J2) (8 Pin)	7	323-1708	8	Seal, Cable (J2)(MAP)
2	323-1819	1	Connector, Plug (P1)	8	323-1741	1	Housing, Lock (J2)
3	323-1861	1	Connector, Receptacle (E4)	9	323-1743	1	Fuse (7.5 Amp)
4	323-2568	1	Connector, Receptacle (J3)	10	308-1019	1	Connector, Switch Housing (P9)
5	323-1871	1	Housing, Terminal (M1+)				

Engine Harness (EFI) HGJAA (Begin Spec J)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A040E710	1	Harness, Engine	9	323-1813	4	Seal, Cable
1	323-2568	1	Connector, Receptacle	10	321-0325	1	Holder, Fuse
2	323-1812	2	Connector	11	323-1884	1	Connector, Two Pin
3	323-1815	1	Connector, Housing	12	321-0307	1	Fuse (7.5 Amp)
4	323-1817	1	Connector, Housing	13	323-1890	1	Housing, Lock
5	323-1741	1	Housing, Lock				
6	323-1814	2	Housing, Lock	14	323-1712	5	Plug, Cavity
7	323-1816	1	Housing, Lock				
8	323-1708	10	Seal, Cable				

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