



Parts Manual

Onan Generator Set for RV

HDZAA (Spec A–E)

Introduction

This parts catalog applies to the Generation System set 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 generator end (front) of the set.

System Data Table

Model Identification	Fuel	Watts	Volts	Hertz	Phase
3.2HDZAA 6508A\B\C\D	Diesel	3,200	120/240	60HZ	1

* – 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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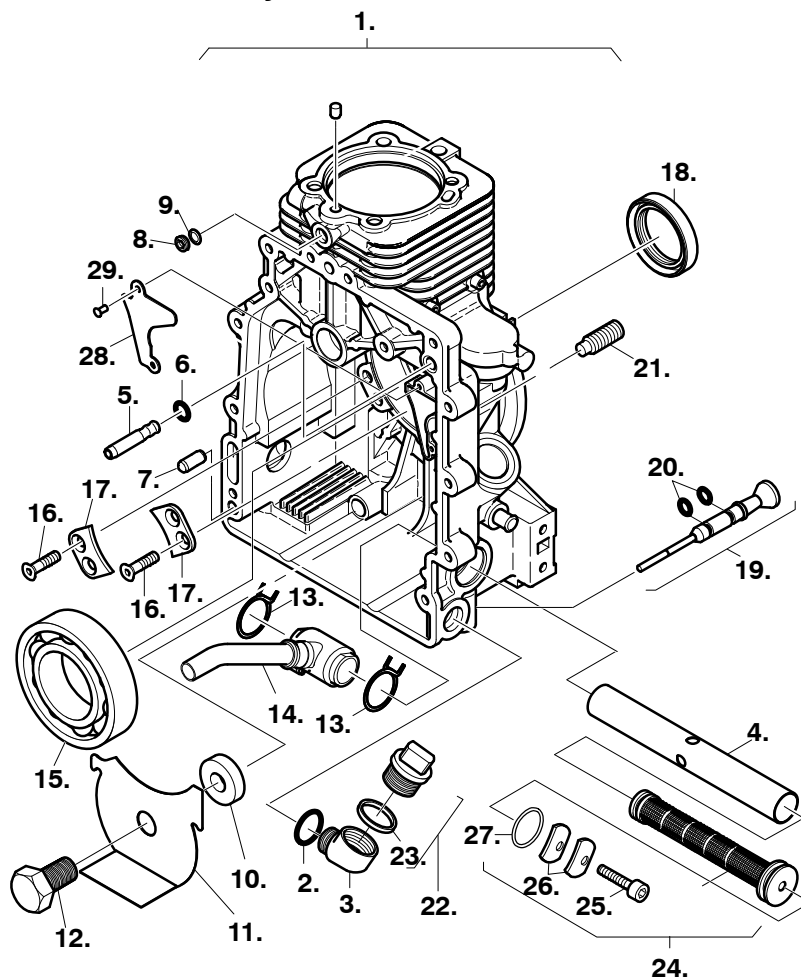
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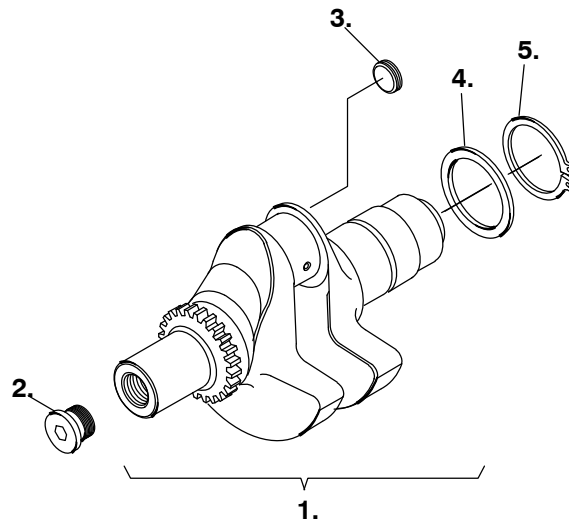
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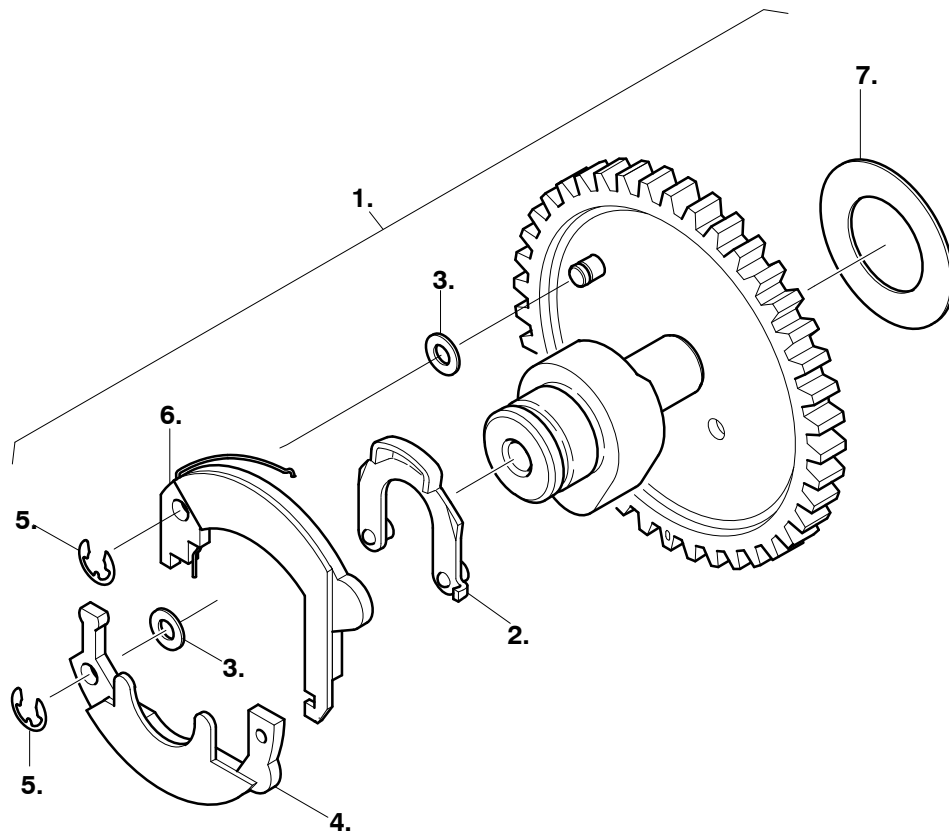
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Engine, Comp	16.	814-2162	4	Screw
	100-4167	1	. (Spec A-B)	17.	101-0863	2	Plate, Rear Bearing
	A044U869	1	(Begin Spec C)	18.	509-0520	1	Seal, Bearing
1.	110-4044	1	Comp, Crankcase	19.	123-2366	1	Indicator, Oil Level
2.	509-0523	1	Seal, O'Ring	20.	509-0521	2	O'Ring
3.	123-2394	1	Elbow	21.			Stud
4.	123-2395	1	Pickup, Oil		803-2016	1	(Spec A-B)
5.	505-2498	1	Nipple, Pipe		A045W716	1	(Begin Spec C)
6.	509-0518	1	Seal, O'Ring	22.	123-2352	1	Cap, Oil Filler
7.	306-5367	1	Pin	23.	509-0522	1	Seal, O'Ring
8.	509-0519	1	Grommet	24.			Oil, Filter
9.	518-0796	1	Seal, O'Ring		122-0927	1	(Spec A-B)
10.	404-0732	1	Spacer		A045W725	1	(Begin Spec C)
11.			Bracket	25.	802-2555	2	Screw
	319-7291	1	(Spec A-B)	26.	850-2105	1	Nut
	A045W670	1	(Begin Spec C)	27.	509-0523	1	O'Ring
12.			Screw	28.			Bracket
	800-6492	1	(Spec A-B)		319-7292	1	(Spec A-B)
	A045W701	1	(Begin Spec C)		A045W740	1	(Begin Spec C)
13.	518-0797	2	Clamps	29.	818-1178	2	Rivet
14.	123-2396	1	Tube				
15.	510-0258	1	Bearing				

Crankshaft



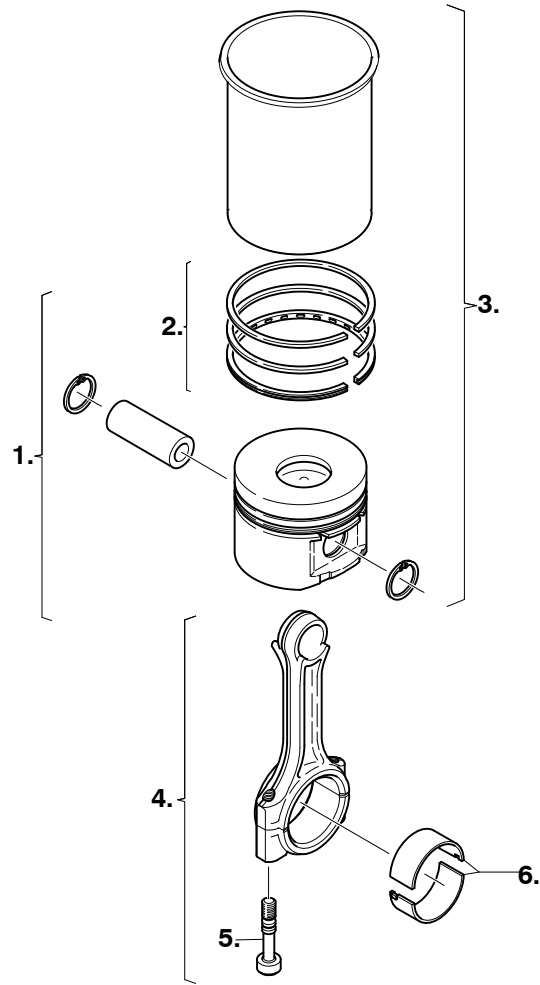
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	104-2147	1	Assy, Crankshaft
2.	517-0431	1	Plug
3.		1	Plug
	518-0798	1	(Spec A-B)
	A045W745	1	(Begin Spec C)
4.	104-2148	1	O'Ring
5.	518-0799	1	Clip, O'Ring

Camshaft



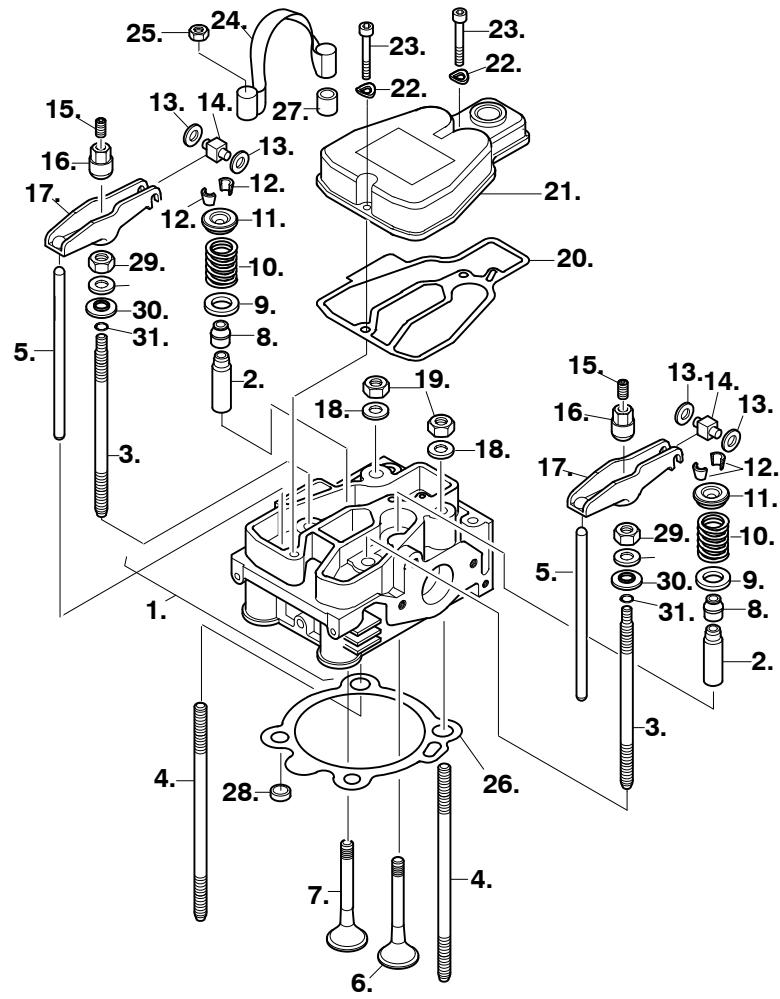
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	105-0757	1	Assy, Camshaft	7.			Washer, Spacer
2.	105-0767	1	Collar	105-0761	1	0.9mm	
3.	105-0758	2	Washer	105-0762	1	1.0mm	
4.	105-0759	1	Fly Weight, Cam Gear	105-0763	1	1.1mm	
5.	518-0800	2	Clip	105-0764	1	1.2mm	
6.	105-0760	1	Fly Weight, Cam Gear	105-0765	1	1.3mm	
				105-0766	1	1.4mm	

Piston



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	112-0322	1	Piston (Spec A-B)	4.	114-0446	1	Assy, Connecting Rod (Does not include item 7)
	A045W746	1	(Begin Spec C)	5.	114-0444	2	Bolt, Connecting Rod
2.	113-0355	1	Ring, Set	6.	114-0445	1	Bearing, Connecting Rod 0.5mm
3.	112-0323	1	Assy, Piston (Spec A-B)		114-0443	1	0.5mm
	A045W747	1	(Begin Spec C)				

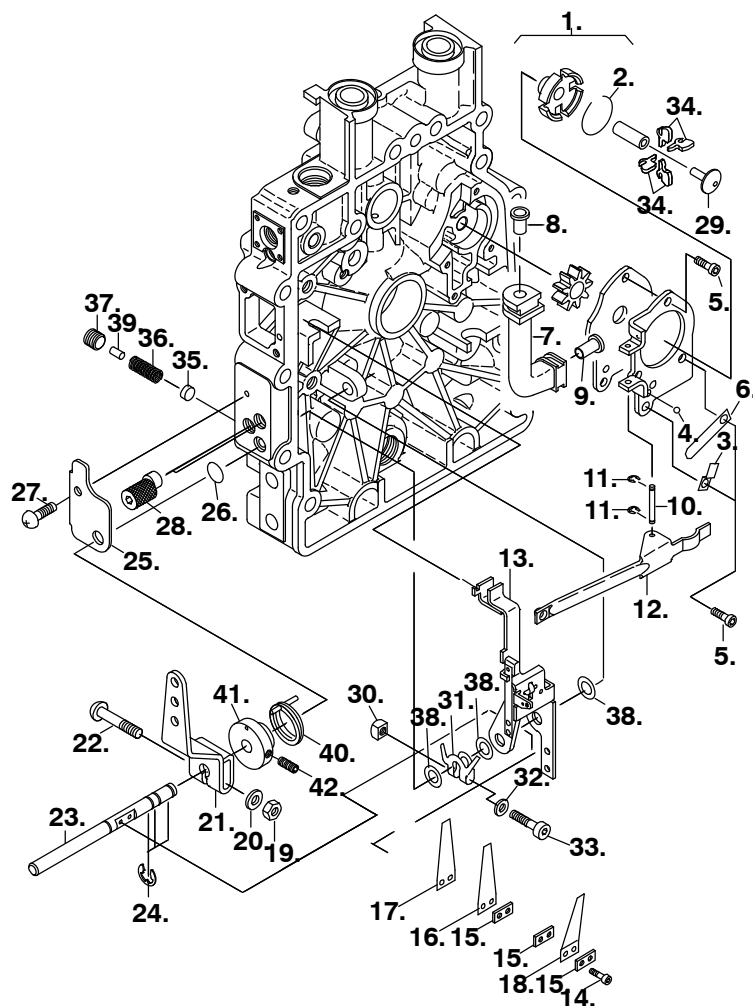
Head Valves and Rocker Arms



Head Valves and Rocker Arms

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.			Assy, Head		A045W750	1	(Begin Spec C)
	110-4045	1	(Spec A-B)	21.			Cover, Head
	A045W748	1	(Begin Spec C)		110-4057	1	(Spec A-B)
2.	110-4049	2	Seal, Valve Stem		A045W752	1	(Begin Spec C)
3.	110-4050	2	Stud, Rocker Arm	22.	850-2106	2	Washer, Head Cover
4.	110-4051	2	Stud	23.	802-2556	2	Screw, Head Cover (M6 x 35mm)
5.	115-0553	2	Rod, Rocker Arm	24.	403-7110	1	Strap
6.	110-4046	1	Valve, Exhaust	25.	860-2113	2	Nut
7.	110-4047	1	Valve, Inlet	26.			Gasket, Head
8.	110-4052	2	Retainer, Spring		110-4058	1	0.30mm
9.	110-4054	2	Washer, Valve Spring		110-4059	1	0.40mm
10.	110-4048	2	Spring, Valve		110-4060	1	0.55mm
11.	110-4055	2	Retainer, Spring		110-4061	1	0.50mm
12.			Collect, Valve Spring		110-4062	1	0.65mm
	110-4056	2	(Spec A-B)		110-4063	1	0.60mm
	A045W749	2	(Begin Spec C)		110-4064	1	0.75mm
13.			Retainer, Rocker Arm		110-4065	1	0.70mm
	526-2381	4	6 x 12 x 1.35mm		110-4066	1	0.80mm
	526-2382	4	6 x 12 x 1.20mm		110-4067	1	0.90mm
14.	115-0556	2	Collet, Valve Spring		110-4068	1	1.00mm
15.	803-2017	2	Screw, Set (M8 x 10mm)	27.	110-4069	2	Sleeve
16.	115-0555	2	Retainer, Rocker Arm	28.	403-7111	2	Sleeve
17.	115-0554	2	Arm, Rocker	29.	860-2114	2	Nut (M10)
18.	526-2380	4	Washer	30.	508-1320	2	Retainer
19.	860-2114	2	Nut (M10)	31.	509-0524	2	O'Ring
20.			Gasket, Head Cover				
	110-4008	1	(Spec A-B)				

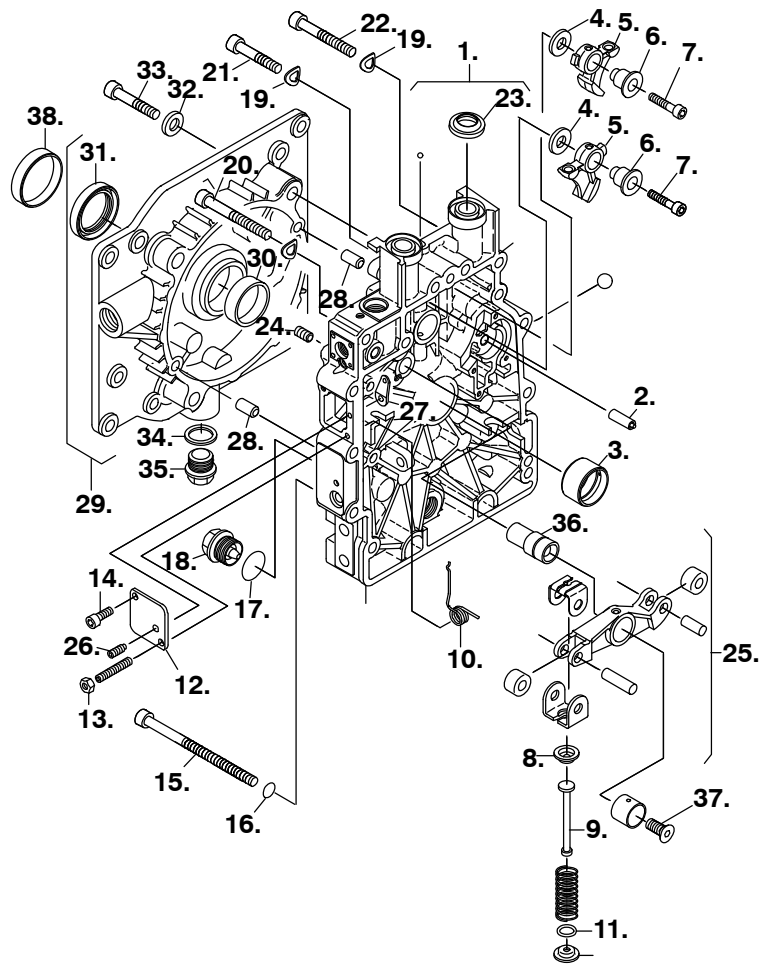
Speed Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	120-1390	1	Lever, Oil Pump	22.	815-1579	1	Screw, Socket Head (M3 x 32mm)
2.	518-0802	1	Clip, Retaining	23.	150-2944	1	Rod
3.	518-0803	1	Clip, Retaining	24.	518-0805	3	Clip, Retaining
4.	510-0259	1	Bearing	25.	150-2952	1	Bracket
5.	802-2557	4	Screw, Socket Head (M5 x 12mm)	26.	509-0528	1	O'Ring
6.	406-1224	1	Spring, Retaining	27.	815-1580	1	Screw (M5 x 12mm)
7.	120-1391	1	Pick-Up, Oil	28.	150-2955	2	Screw, Governor
8.	818-1179	1	Rivet	29.	150-2956	1	Rivet
9.	818-1180	1	Rivet	30.	861-0018	1	Nut (M5)
10.	150-2948	1	Pin	31.	150-2957	1	Clip
11.	518-0804	2	Clip, Retaining	32.	526-2384	1	Washer (5.3mm)
12.	150-2947	1	Lever, Actuator	33.	802-2559	1	Screw, Socket Head (M5 x 25mm)
13.	150-2946	1	Lever, Governor	34.	150-2945	4	Weight, Fly
14.	802-2558	1	Screw, Socket Head (M3 x 12mm)	35.	517-0432	1	Cap
15.	150-2953	3	Spacer	36.	506-0059	1	Spring
16.	150-2949	1	Dampener, Governor	37.	803-2019	1	Plug
17.	150-2950	1	Dampener, Governor	38.	403-7149	3	Washer
18.	150-2951	1	Dampener, Governor	39.	516-2133	1	Pin
19.	860-2115	1	Nut (M6)	40.	506-0058	1	Retainer
20.	526-2383	1	Washer (6.4mm)	41.	150-2254	1	Hub, Governor
21.	150-2943	1	Bracket	42.	803-2018	1	Screw, Set (M5 x 10mm)

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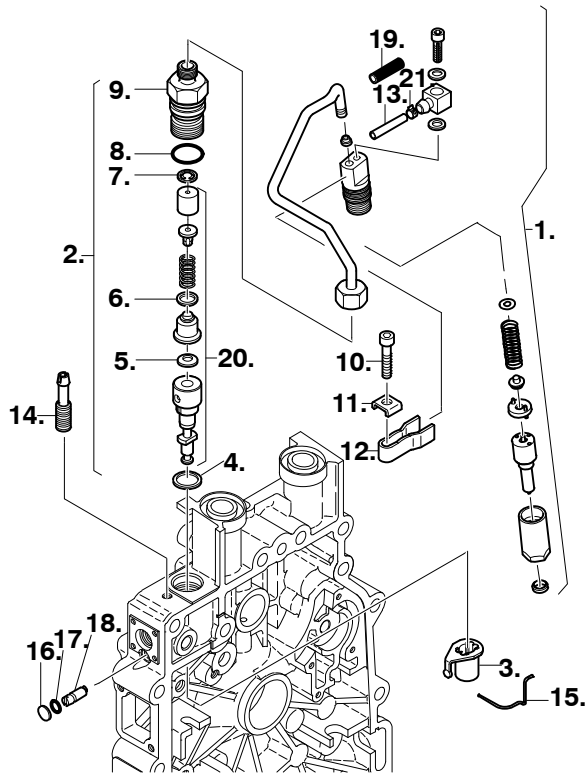
Timing Cover



Timing Cover

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	150-2959	1	Cover, Governor				(M8 x 60mm)
2.	150-2960	1	Rod, Governor	21.	802-2566	2	Screw, Socket Head (M8 x 45mm)
3.			Bearing	22.	802-2567	10	Screw, Socket Head (M8 x 50mm)
	150-2961	1	0.5mm (Spec A-B)	23.	509-0535	2	Seal
	A045W754	1	0.5mm (Begin Spec C)	24.	803-2022	5	Screw, Set (M8 x 10mm)
	150-2962	1	(Spec A-B)	25.	150-2964	1	Assy
	A045W756	1	(Begin Spec C)	26.	803-2021	1	Screw, Set (M4 x 20mm)
4.	526-2385	2	Washer	27.	152-0376	1	Lever, Governor
5.	160-1386	2	Cam, Timing	28.	306-5367	2	Sleeve
6.	306-5370	2	Cam, Drive	29.			Assy, Timing Cover (Spec A-B)
7.	802-2562	2	Screw, Socket Head (M6x 25mm)		120-1392	1	(Begin Spec C)
8.	147-0967	2	Spring, Retaining		A045W762	1	Bearing
9.	147-0968	1	Rod	30.	120-1393	1	Seal
10.	148-1375	1	Spring, Retaining	31.	509-0536	1	Washer
11.	509-0537	1	Washer	32.	526-2386	4	Screw, Socket Head (M10 x 45mm)
12.	150-2963	1	Cover	33.	802-2568	4	Seal, O'Ring
13.	860-2116	1	Nut, (M6)	34.	509-0534	2	Plug (M18 x 1.5mm)
14.	802-2563	1	Screw, Socket Head (M6x 12mm)	35.	517-0433	2	Sleeve
15.	802-2564	2	Screw, Socket Head (M8 x 130mm)	36.	150-2966	1	Screw, (M6 x 35mm)
16.	509-0532	2	Seal, O'Ring	37.	814-2163	1	Plug
17.	509-0533	1	Seal, O'Ring	38.	150-2965	1	
18.	148-1376	1	Plug				
19.	850-2107	13	Washer				
20.	802-2565	1	Screw, Socket Head				

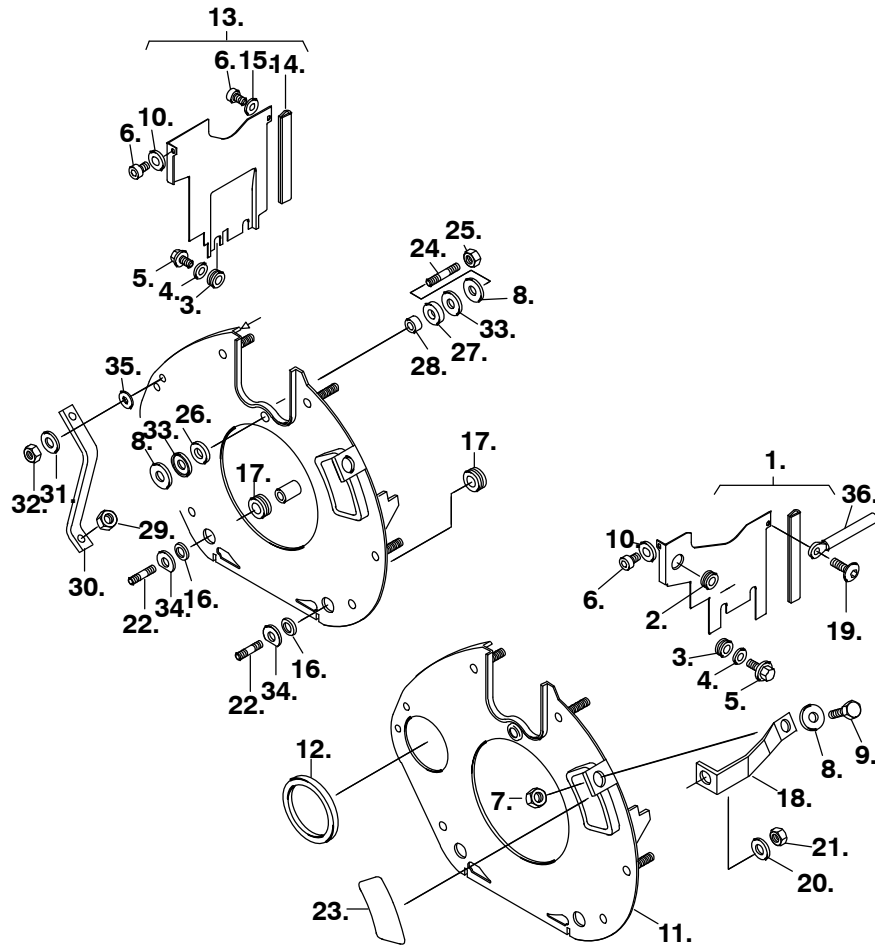
Injection



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.			Assy, Injection		306-5368	1	(Spec A-B)
	147-0929	1	(Spec A-B)		A045W765	1	(Begin Spec C)
	A045W763	1	(Begin Spec C)	13.			Tube
2.			Pump, Injection		147-0958	1	(Spec A-B)
	147-0923	1	(Spec A-B)		A045W766	1	(Begin Spec C)
	A045W764	1	(Begin Spec C)	14.	502-1672	1	Connector, Hose
3.	147-0966	1	Cap	15.	518-0808	1	Clip, Retaining
4.			O'Ring, Injection Pump	16.	147-0964	1	Plug
	147-0952	1	0.2mm	17.	509-0531	1	O'Ring
	147-0953	1	0.3mm	18.	306-5369	1	Pin
	147-0954	1	0.4mm	19.			Hose (245mm Dia 7mm)
	147-0955	1	0.5mm		404-0735	1	(Spec A-B)
	147-0956	1	0.6mm		A045W767	1	(Begin Spec C)
5.	147-0960	1	Washer, Injection Pump	20.	147-0965	1	Pump, Replacement
6.	147-0959	1	O'Ring, Injection Pump	21.			Clamp, Hose
7.	147-0961	1	Clip, Injection Pump		503-3065	1	(Spec A-B)
8.	509-0530	1	O'Ring, Injection Pump		A045W768	1	(Begin Spec C)
9.	147-0962	1	Nozzle, Injection Pump				
10.	802-2560	1	Screw, Socket Head (M6 x 30mm)	* -	Injection Pump Installation Tool, 420-0637 needed install.		
11.	518-0807	1	Nut, (M6.4)				
12.			Clip, Retaining				

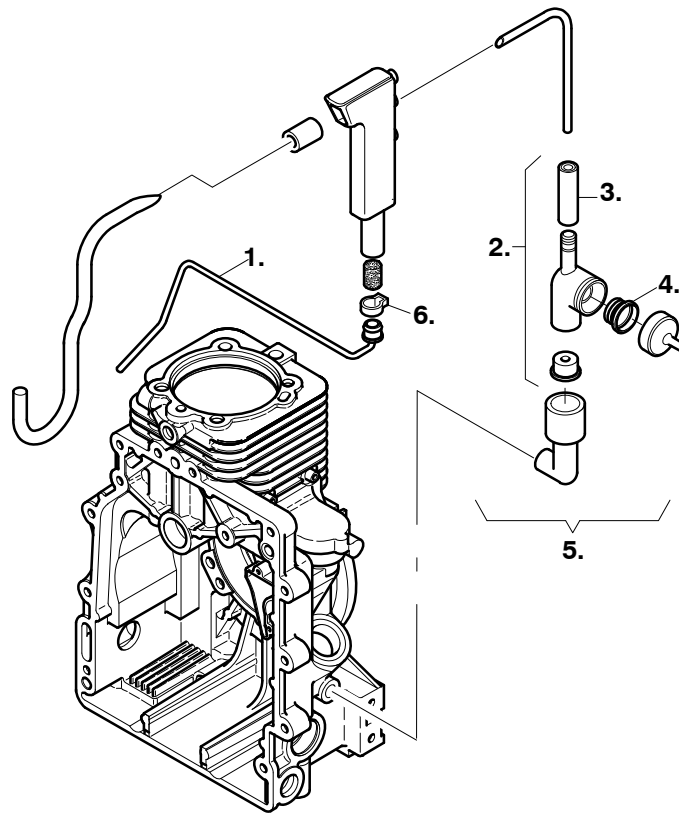
* – Injection Pump Installation Tool, 420-0637 needed for install.

Air Ducting



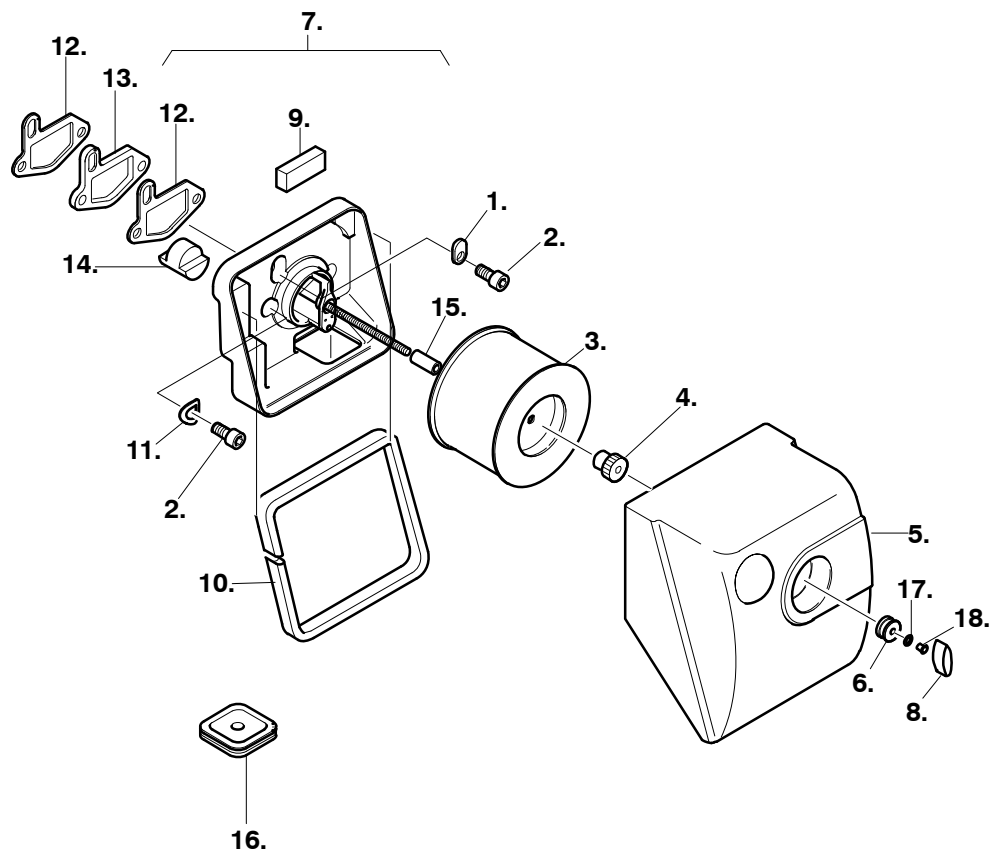
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	130-8134	1	Assy Baffle				(M6 x 12mm)
2.	508-1321	1	Sleeve	20.	850-2107	1	Washer (M8)
3.	508-1322	3	Sleeve	21.			Nut (M8)
4.	526-2387	3	Washer (M4.3)		860-2117	1	(Spec A-B)
5.	815-1581	3	Screw, Hex Head w/ Washer (M4 x 10MM)		A045W776	1	(Begin Spec C)
6.	802-2569	3	Screw, Socket Head (M6 x 16MM)	22.	520-2687	2	Stud (M6 x 45mm)
7.	860-2116	1	Nut (M6)	23.	130-8138	1	Cover, Shroud
8.	526-2388	2	Washer (M6.4 x 17 3mm)	24.	520-2688	1	Stud (M6)
9.	800-6496	1	Screw, Hex Head (M6 x 16MM)	25.	860-2118	1	Nut (M6)
10.	526-2383	2	Washer	26.	509-0541	1	Washer (M16 x 25 x 4mm)
11.	130-8135	1	Plate	27.	509-0542	1	Spacer (M16 x 25 x 8mm)
12.	509-0539	1	Grommet	28.	508-1325	1	Spacer (M6.5 x 17 x 11.5mm)
13.	130-8135	1	Assy	29.	860-2119	1	Nut (M8)
14.	508-1323	1	Edging (119mm)	30.	159-1798	1	Bracket, Fuel Tank
15.	526-2389	1	Washer	31.	850-2108	1	Washer, Spring (M6)
16.	509-0540	2	Washer	32.	860-2116	1	Nut (M6)
17.	508-1324	2	Plug	33.	526-2390	2	Washer
18.	130-8137	1	Strap, Bond	34.	526-2391	2	Washer, Wave
19.	815-1582	1	Screw Socket Head	35.	526-2392	1	Washer (M6.4)
				36.	150-2967	1	Rod, Throttle

Crankcase Breather



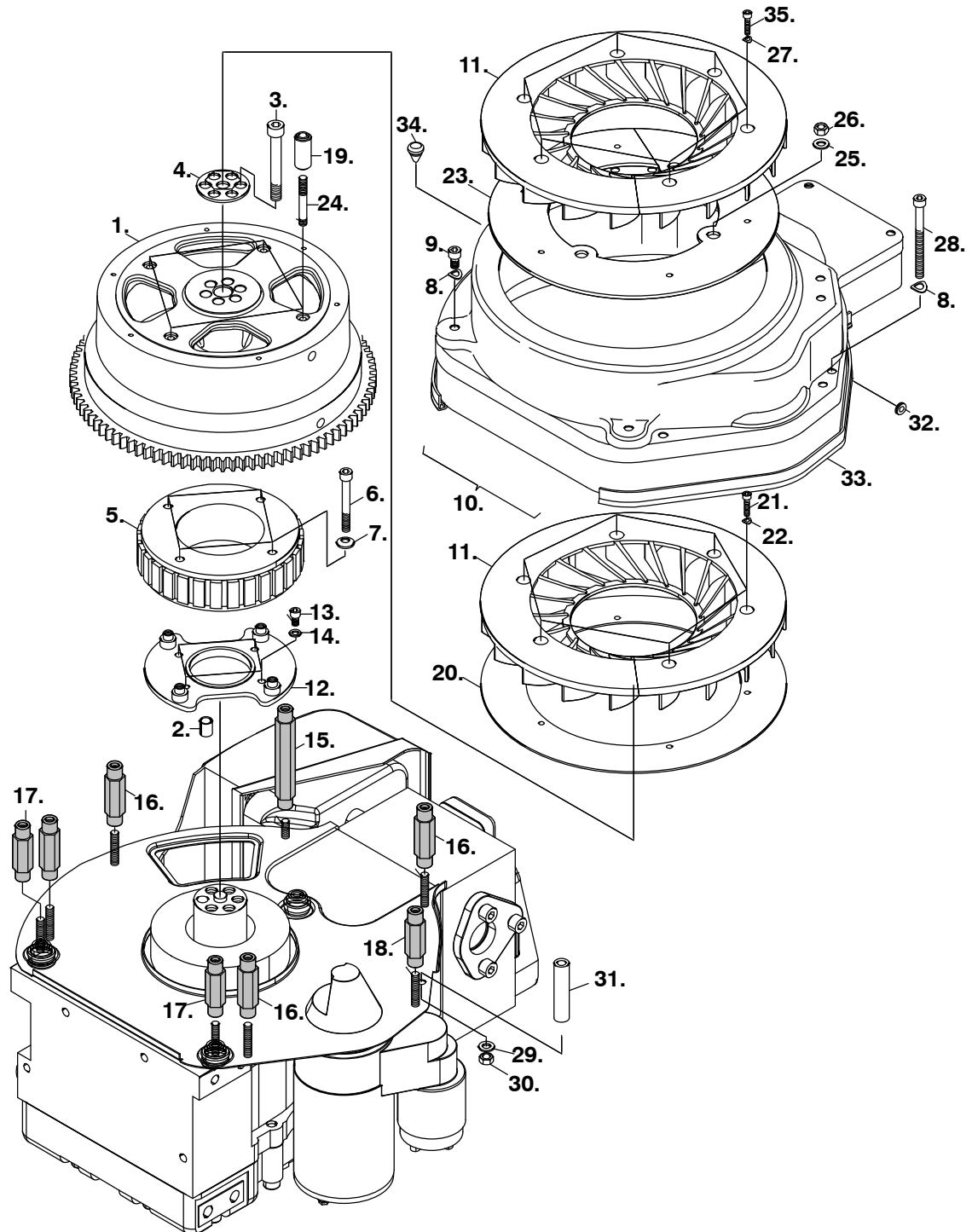
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	123-2402	1	Hose, Breather	*Contains all parts shown above except #1, #6 and engine block.			
2.	123-2403	1	Breather, Valve				
3.	123-2406	1	Adapter, Breather				
4.	123-2408	1	Baffle, Breather				
5.	123-2399	1	Assy, Breather*				
6.	502-1675	1	Clamp, Tube				

Air Intake



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	526-2393	1	Nut	10.	140-4265	1	Gasket, Air Cleaner
2.	802-2570	3	Screw, Socket Head (M8 x 25mm)	11.	850-2107	2	Washer, Wave (M8)
3.	140-4151	1	Element, Air Cleaner	12.	140-4266	2	Gasket, Air Filter
4.	870-2306	1	Nut, Filter	13.	140-4268	1	Spacer, Air Filter
5.	140-4262	1	Cover, Air Filter	14.	140-4269	1	Plug, Spacer
6.	508-1326	1	Nut, Air Filter Retaining	15.	140-4270	1	Sleeve
7.	140-4263	1	Assy, Air Filter	16.	140-4271	1	Insulation, Cover
8.	865-0034	1	Nut, Wing	17.	140-4267	1	Washer
9.	140-4264	1	Baffle, Air Cleaner	18.	140-4272	1	Rivet

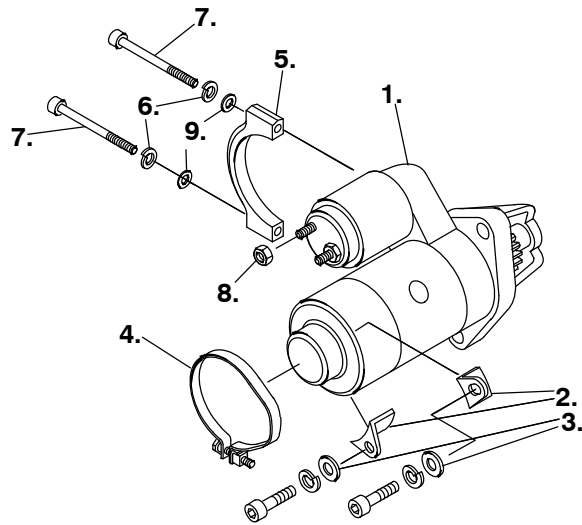
Cooling



Cooling

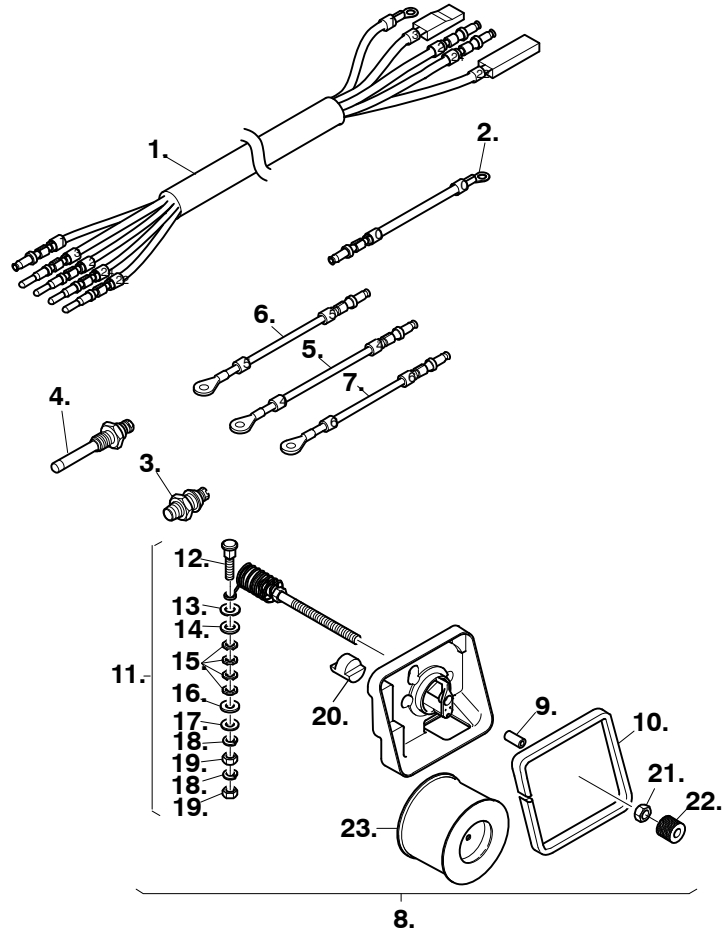
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	201-3662	1	Assy, Rotor	18.	205-0373	1	(51.3mm)
	A045W770	1	(Spec A-B)				Spacer, Fan Generator
2.			(Begin Spec C)				(53.3mm)
	516-2136	1	Sleeve	19.	205-0374	4	Sleeve (27mm)
	A045W772	1	(Spec A-B)	20.			Backplate, Fan
3.	802-2571	6	(Begin Spec C)		205-0359	1	(Spec A-B)
			Screw, Socket Head		A045W775	1	(Begin Spec C)
			(M8 x 65mm)	21.	802-2575	6	Screw, Socket Head
4.	232-4215	1	Plate				(M4 x 20mm)
5.			Stator, Alternator	22.	850-2111	6	Washer, Wave
	191-2463	1	(Spec A-B)	23.	205-0358	2	Backplate, Fan
	A045W773	1	(Begin Spec C)	24.	520-2691	4	Stud
6.	802-2572	4	Screw, Socket Head	25.	526-2383	4	Washer
			(M6 x 50mm)	26.	860-2116	4	Nut (M6)
7.	851-2005	4	Washer	27.	850-2111	6	Washer, Wave
8.	850-2106	9	Washer, Locking	28.	802-2576	1	Screw, Socket Head
9.	802-2573	8	Screw, Socket Head				(M6 x 70mm)
			(M6 x 12mm)	29.	526-2392	1	Washer
10.	191-2491	1	Duct, Blower	30.	860-2116	1	Nut
11.	205-0355	2	Ring, Blower	31.	205-0375	1	Sleeve
12.	232-4216	1	Plate, Mounting	32.	508-1329	2	Grommet
13.			Screw, Socket Head	33.	508-1330	1	Edging (1190mm)
			(M5 x 16mm)	34.	508-1331	6	Plug
	802-2574	4	(Spec A-B)	35.	802-2577	6	Screw, Socket Head
	A045W774	4	(Begin Spec C)				(M4 x 16mm)
14.	850-2110	4	Washer, Spring				
15.	205-0370	1	Spacer, Fan Generator (94mm)				
16.	205-0371	4	Spacer, Fan Generator (55mm)				
17.	205-0372	2	Spacer, Fan Generator				

Starter



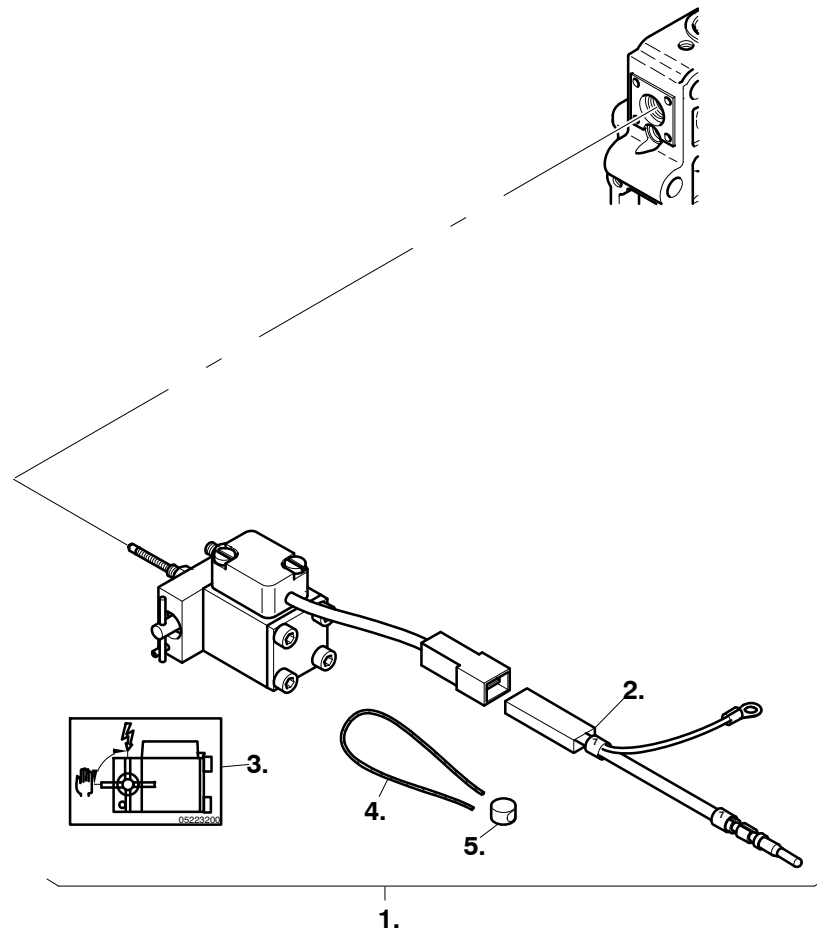
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	191-2474	1	Starter	7.	802-2578	2	Screw, Socket Head (M6 x 80mm)
2.	191-2492	2	Bracket, Starter Mounting	8.	860-2117	1	Nut (M8) (Spec A-B)
3.	526-2395	2	Washer, Flat		A045W776	1	(Begin Spec C)
4.	518-0809	1	Strap, Starter Mounting	9.	526-2383	2	Washer, Flat
5.	191-2493	1	Bracket, Starter				
6.	850-2108	2	Washer, Locking (M6)				

Harness and Kits



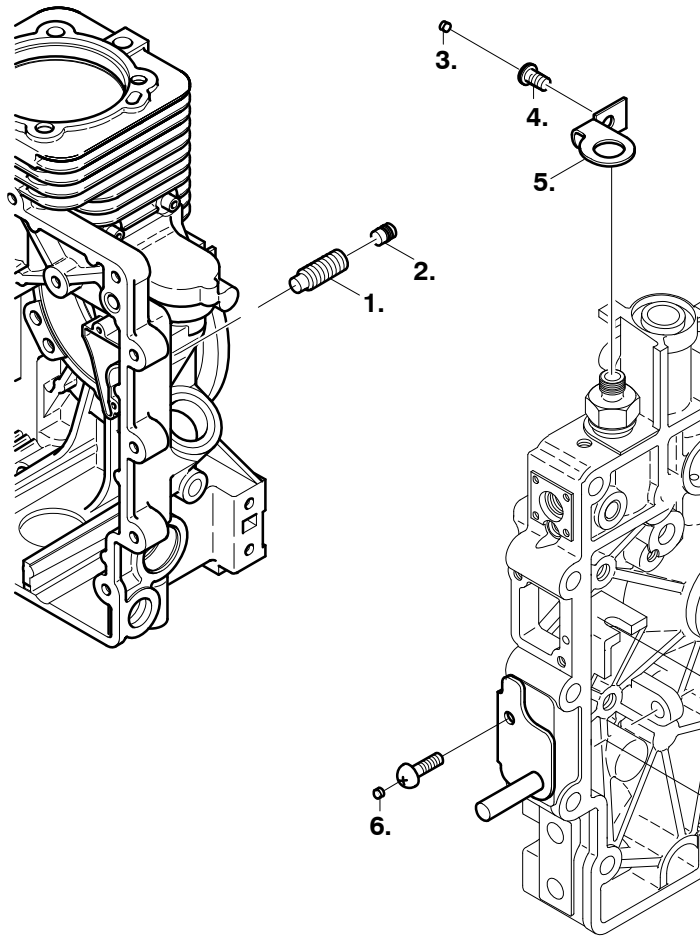
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	338-5245	1	Harness, Engine	12.	816-2006	1	Screw,
2.	335-0296	1	Lead	13.	526-2383	1	Washer, Flat
3.			Sensor, Pressure	14.	526-2396	1	Washer
	193-0638	1	(Spec A-B)	15.	508-1328	4	Insulation
	A045W777	1	(Begin Spec C)	16.	526-2397	1	Washer
4.	193-0639	1	Sensor, Temperature	17.	526-2384	1	Washer
5.	335-0297	1	Lead (500mm)	18.	850-2110	2	Washer, Locking
6.	335-0298	1	Lead (470mm)	19.	860-2122	2	Nut
7.	335-0299	1	Lead (430mm)	20.	140-4269	1	Plug
8.	140-4263	1	Kit, Pre-Heat Air Cleaner	21.	860-2116	1	Nut
9.	140-4275	1	Sleeve, Air Cleaner	22.	140-4274	1	Shell, Rubber (12mm)
10.	140-4265	1	Seal, Air Cover	23.	140-4151	1	Element, Air Cleaner
11.	133-0236	1	Preheat, Air				

Fuel Solenoid



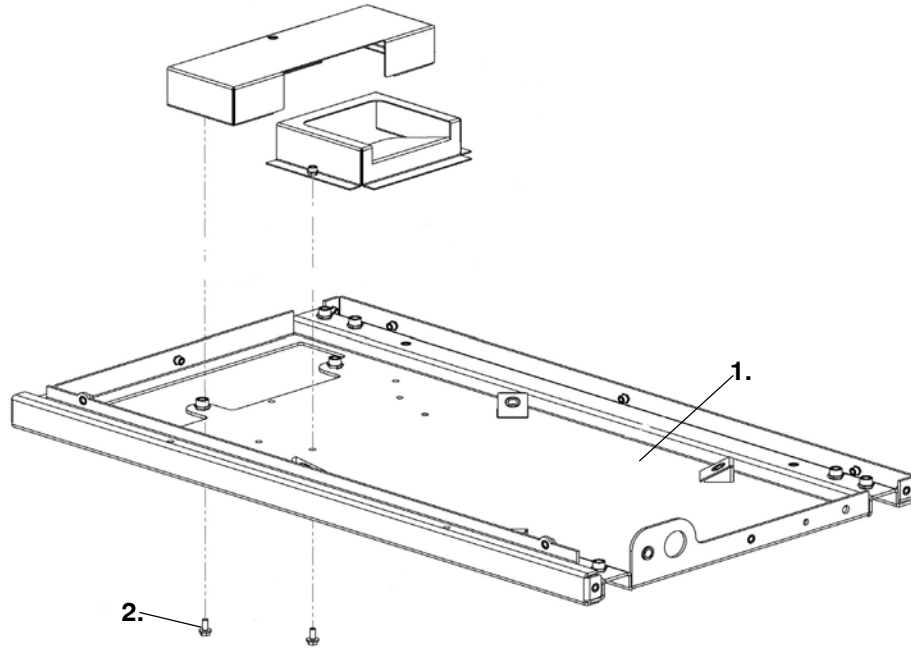
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	146-0890	1	Solenoid, Fuel Cut-Off (Spec A-B)	3.	98-8905	1	Label
	A045W778	1	(Begin Spec C)	4.	880-0561	1	Strap
2.	338-5244	1	Harness, Solenoid Cut-Off	5.	880-0562	1	Collar

Adjustment



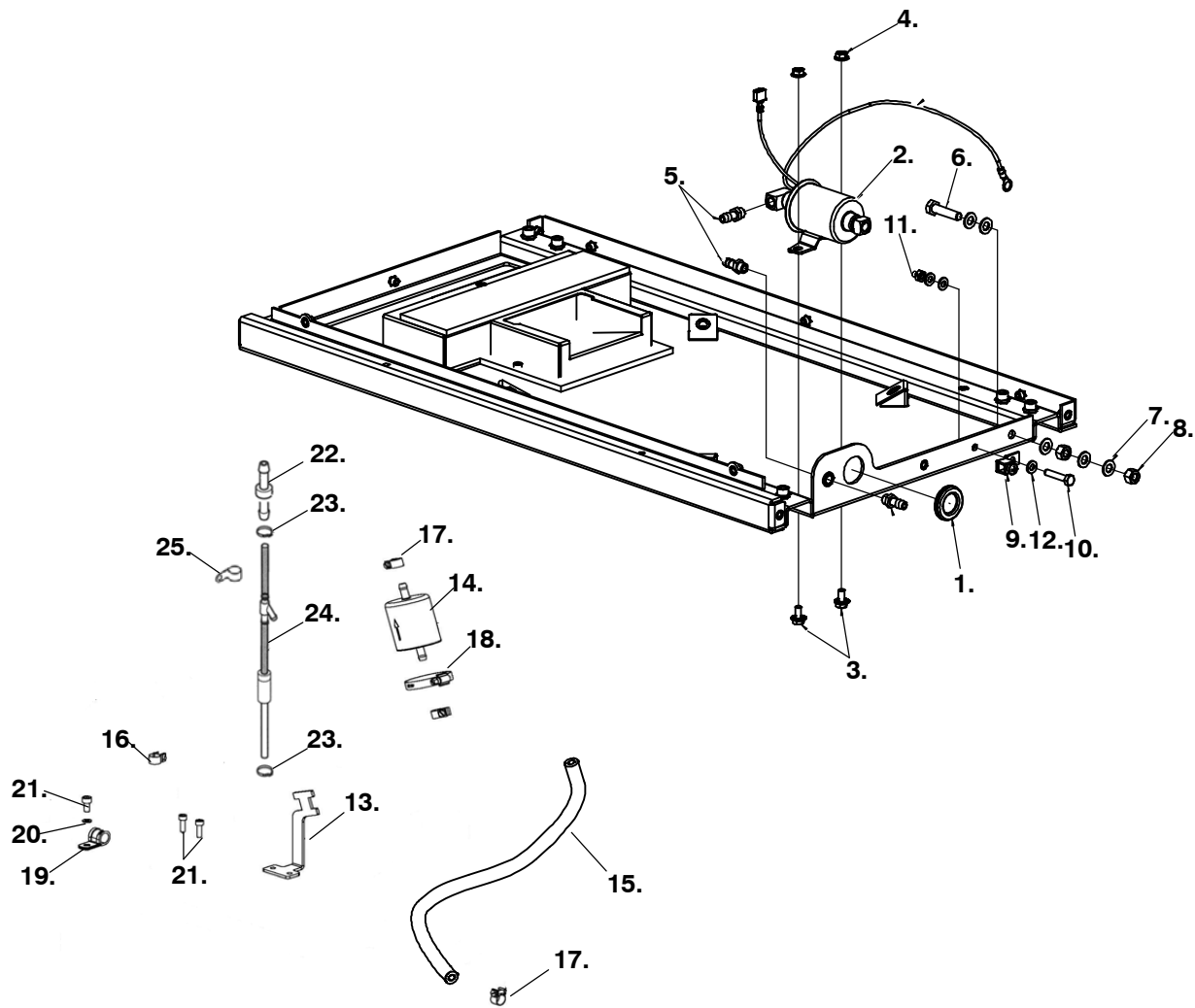
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.		1	Screw, Set		A045W779	1	(Begin Spec C)
	803-2016	1	(Spec A-B)	3.	517-0435	2	Screw, Set
	A045W716	1	(Begin Spec C)	4.	815-1582	1	Screw, Set
2.			Screw, Set	5.	147-0969	1	Arm
	517-0434	1	(Spec A-B)	6.	517-0436	1	Plug

Base



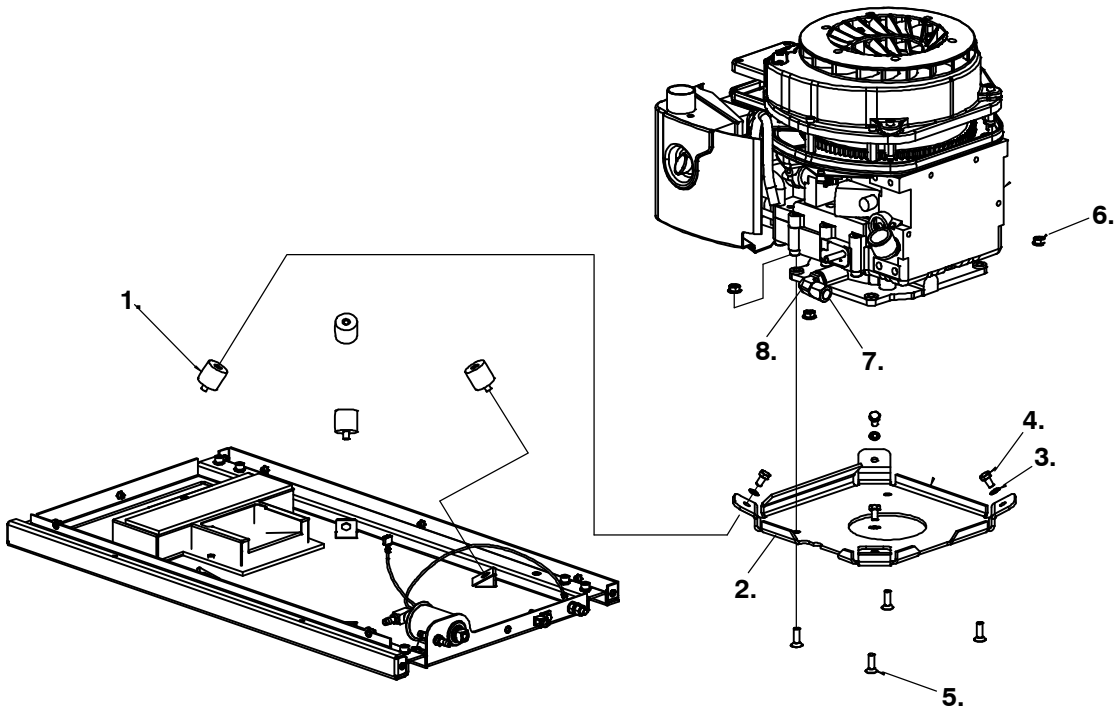
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	403-6963	1	Base, Casing	2.	800-6489	7	Screw, (M5 x12mm)

Fuel System



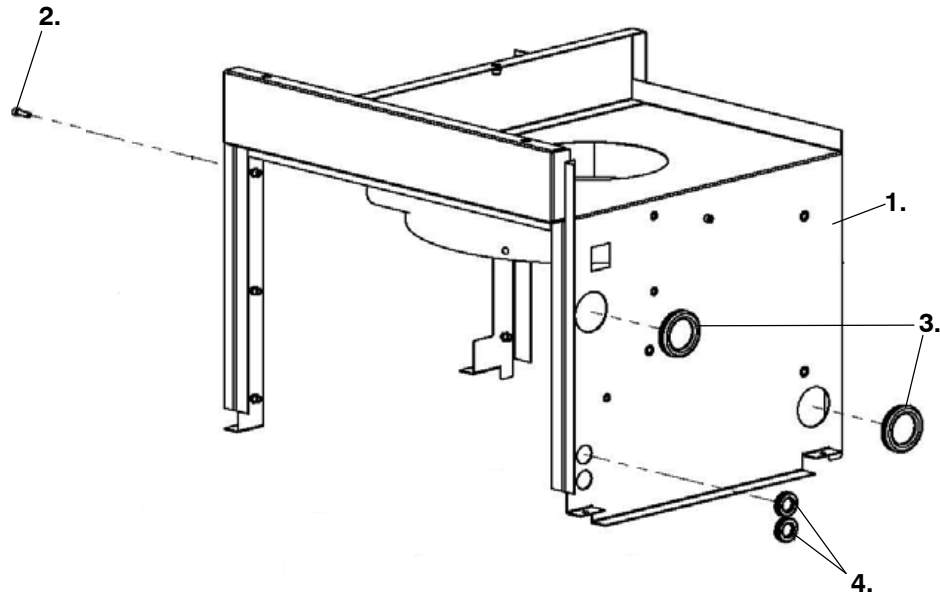
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	508-1298	1	Grommet	14.	149-2834	1	Filter, Diesel Fuel
2.	149-2548	1	Pump, Diesel	15.	A044G138	1	Hose, Line, Fuel
3.	800-6490	2	Screw, (M6 x 12mm)	501-1009	1	Line, Fuel	
4.	860-2108	2	Nut, (M6)	16.	503-3054	1	Clamp, Hose 12
5.	502-1666	2	Connector, Fuel Hose	17.	503-3052	3	Clamp, Hose 13
6.	800-6485	1	Screw, Brass (M8 x 35mm)	18.	503-2981	1	Clamp, Hose
7.	526-2373	5	Washer, Flat (M8)	19.	503-3053	2	Clamp, Hose 12.7
8.	860-2109	2	Nut, Brass (M8)	20.	526-2375	1	Washer, D5
9.	332-4346	1	Spade, Terminal	21.	802-2553	8	Screw (M5 x 14mm)
10.	800-6484	1	Screw, Brass (M6 x 30mm)	22.	503-3076	1	Insert, Reducer
11.	860-2110	1	Nut, Brass	23.	503-3074	2	Clamp, Hose
12.	526-2374	3	Washer, Brass	24.			Hose, Fuel
13.	149-2877	1	Bracket, Fuel Filter	503-3077	1		(Spec A-B)
				A045W769	1		(Begin Spec C)
				25.	503-3073	1	Clamp, Hose

Mounting



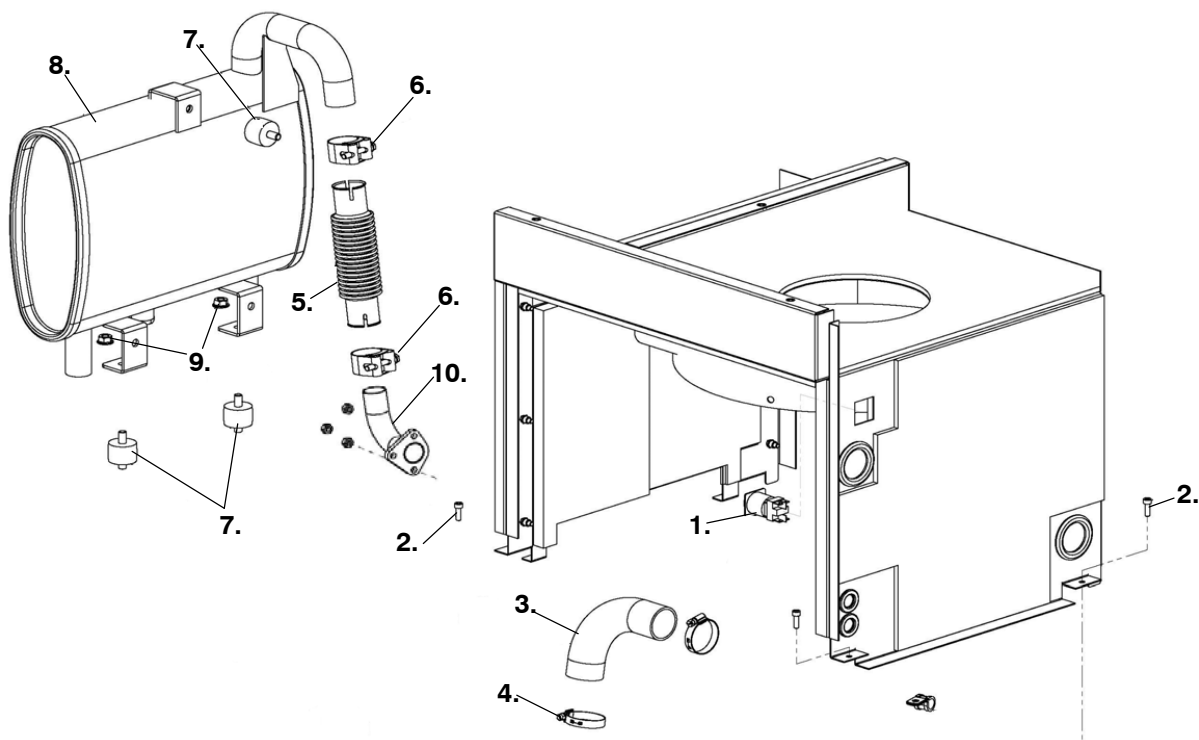
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	402-0933	4	Isolator, Vibration
2.	403-6988	1	Plate, Engine
3.	854-2046	4	Washer
4.	800-6486	4	Screw, Hex Head (M8 x 12mm)
5.	814-2161	4	Screw, Hex Head (M8 x 25mm)
6.	860-2111	4	Nut (M8)
7.	502-1668	1	Cap
8.	502-1667	1	Elbow, 90

Enclosure



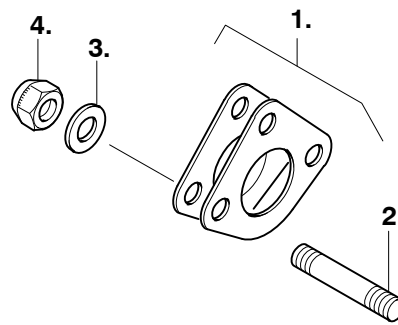
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	134-5379	1	Enclosure, Internal	3.	508-1300	2	Grommet
2.	802-2553	6	Screw, Hex Head (M5 x 14mm)	4.	508-1298	2	Grommet

Muffler



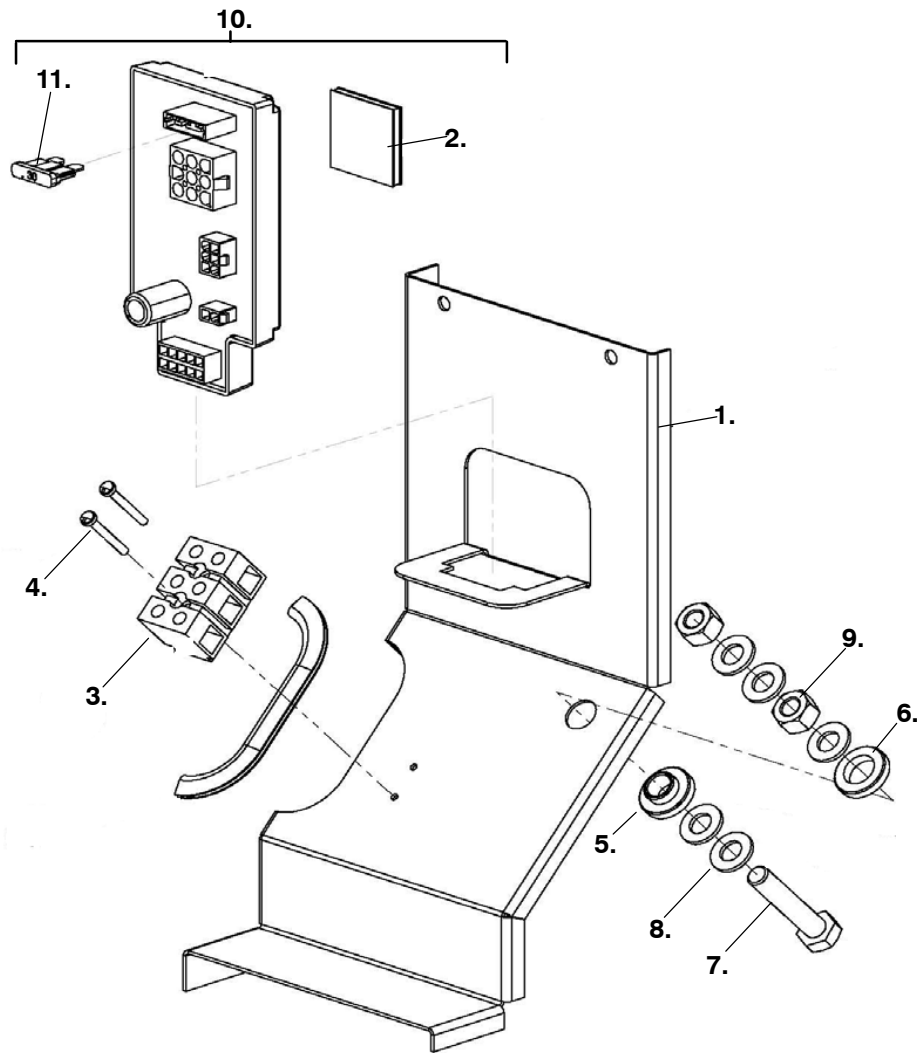
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	307-3142	1	Switch, Stop	8.	155-4721	1	Muffler
2.	802-2553	8	Screw (M5 x 14mm)		A047V104	1	(Spec A-C)
3.	503-2982	1	Hose, Intake		A058B582	1	(Begin Spec D)
4.	503-3022	2	Clamp, Hose			1	(Begin Spec E)
5.	155-4722	1	Pipe, Exhaust	9.	860-2111	3	Nut (M8)
6.	155-4820	2	Clamp, Exhaust Hose	10.	155-4730	1	Pipe, Exhaust
7.	402-0934	2	Isolator, Vibration	11.	155-4731	1	Arrester, Spark (Not shown)

Exhaust Flange



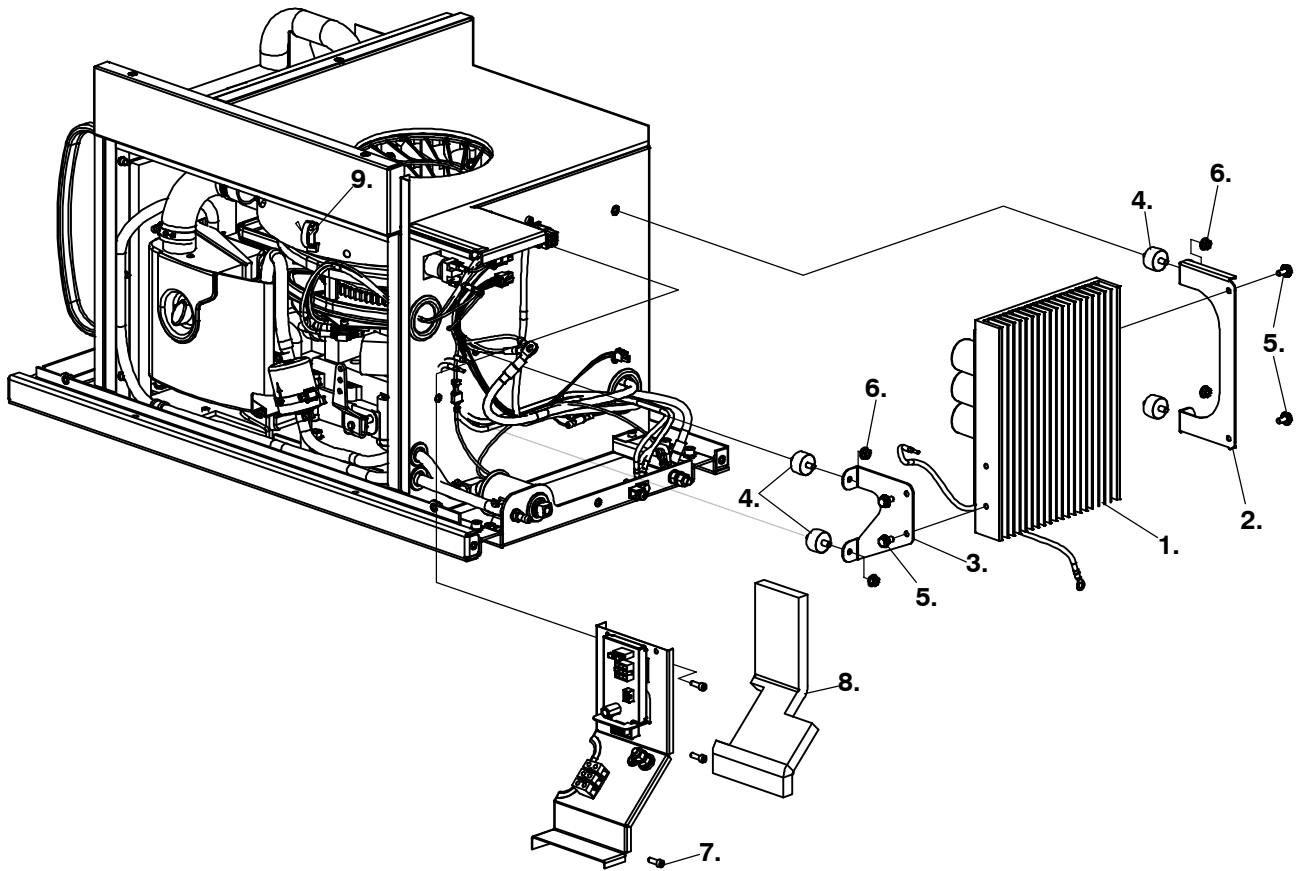
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	155-4800	1	Gasket, Exhaust
2.	520-2690	3	Stud
3.	526-2394	3	Washer, Adjusting
4.	860-2120	3	Nut (M8)

Control



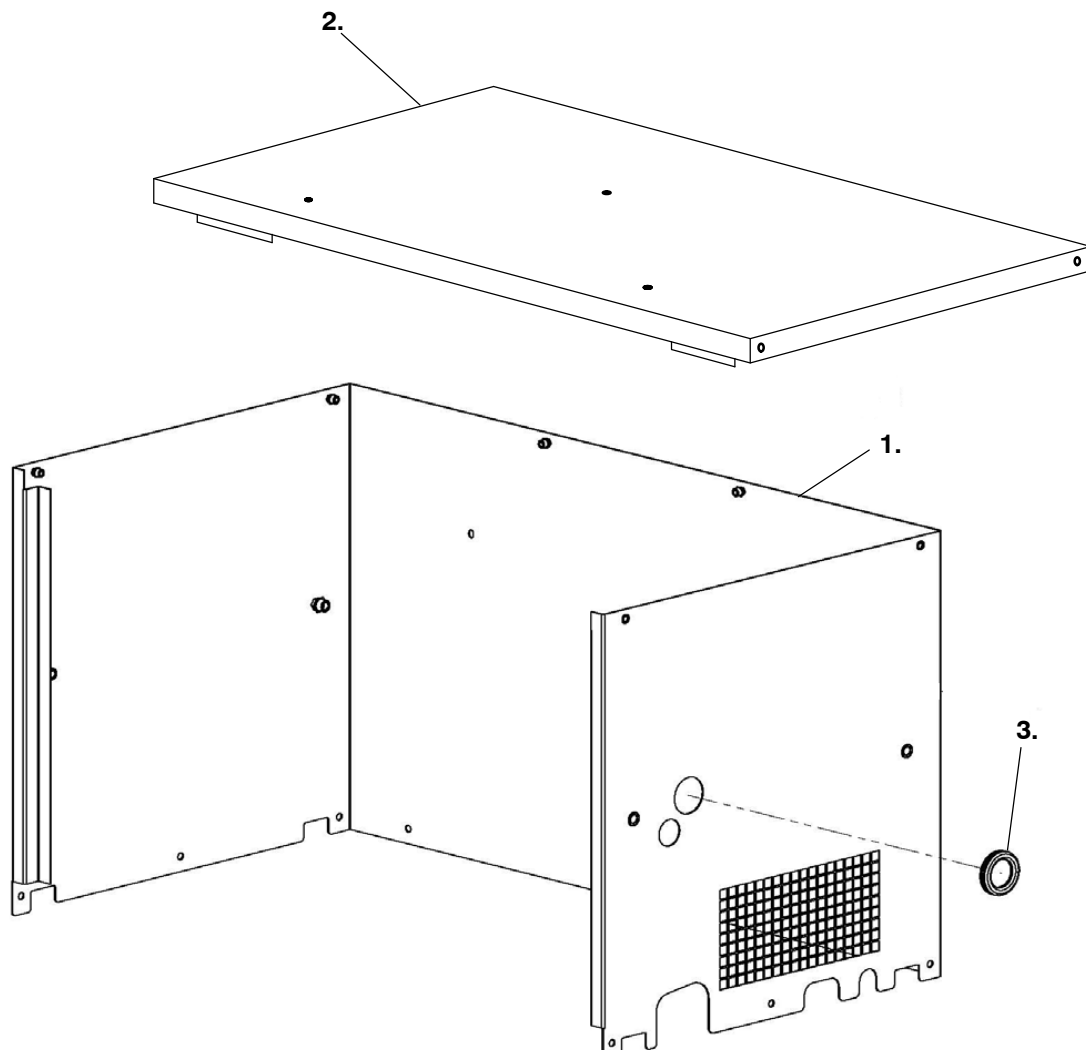
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	319-7136	1	Bracket, Control	8.	526-2373	5	Washer, Brass (M8)
2.	895-0434	1	Tape, Hook Loop	9.	860-2109	2	Nut (M8)
3.	332-4308	1	Block, Terminal	10.	300-6414	1	Panel, Control (Spec A-B)
4.	819-1176	2	Screw (M2.9 x 25mm)		A044U871	1	(Begin Spec C)
5.	508-1310	1	Bushing	11.	(	)1	Fuse, (30Amp)
6.	508-1311	1	Bushing				
7.	800-6483	1	Screw (M8 x 40mm)				

Inverter



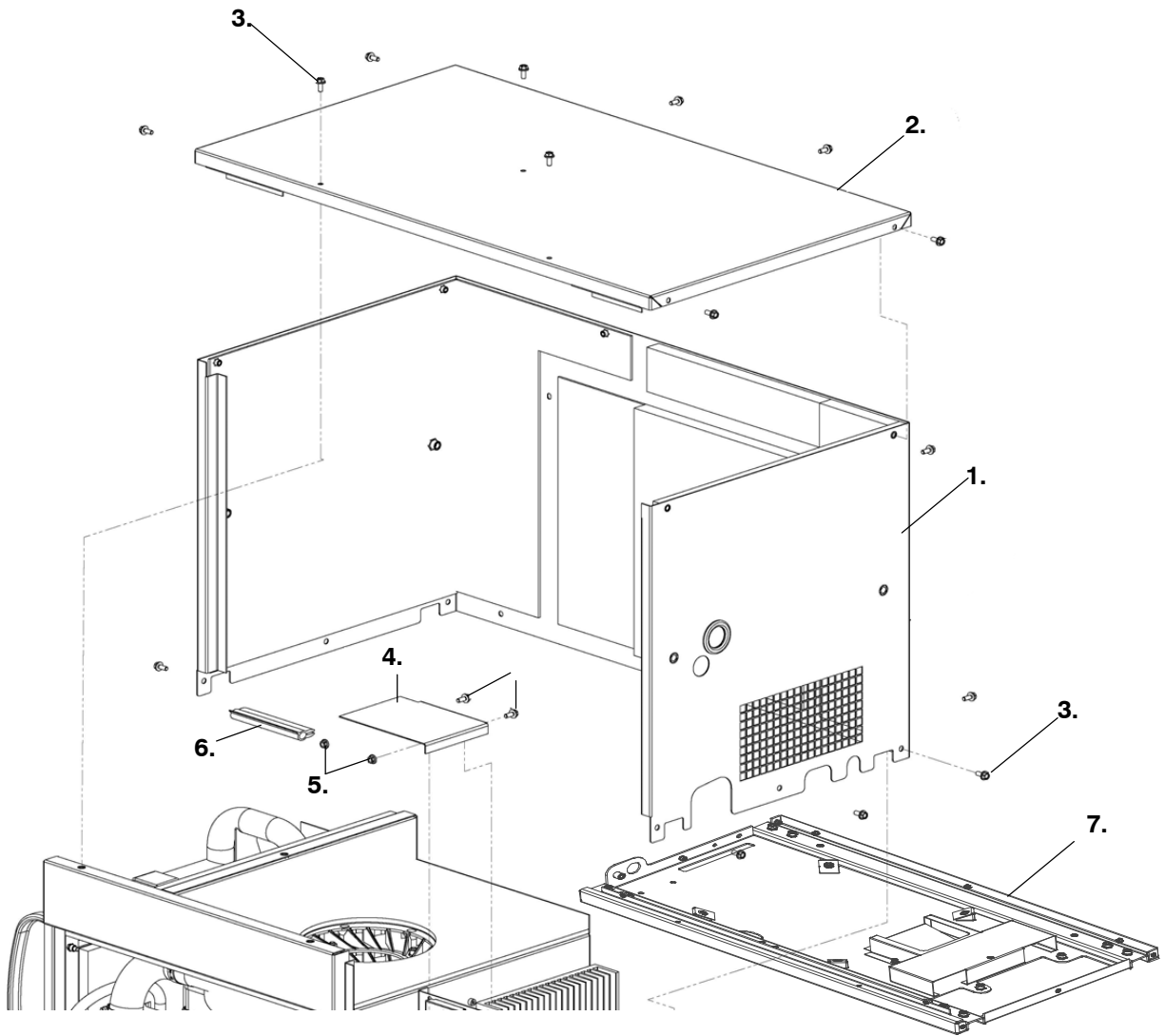
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	317-0083	1	Inverter	7.	802-2553	3	Screw
	A044U875	1	(Spec A-B)	8.	404-0723	1	Insulation, Sound
2.	317-0085	1	Bracket, Inverter	9.	332-4347	1	Clamp
3.	317-0086	1	Bracket, Inverter				
4.	402-0936	4	Isolator, Vibration				
5.	800-6490	4	Screw (M6 x 12)				
6.	860-2108	4	Nut				

Enclosure



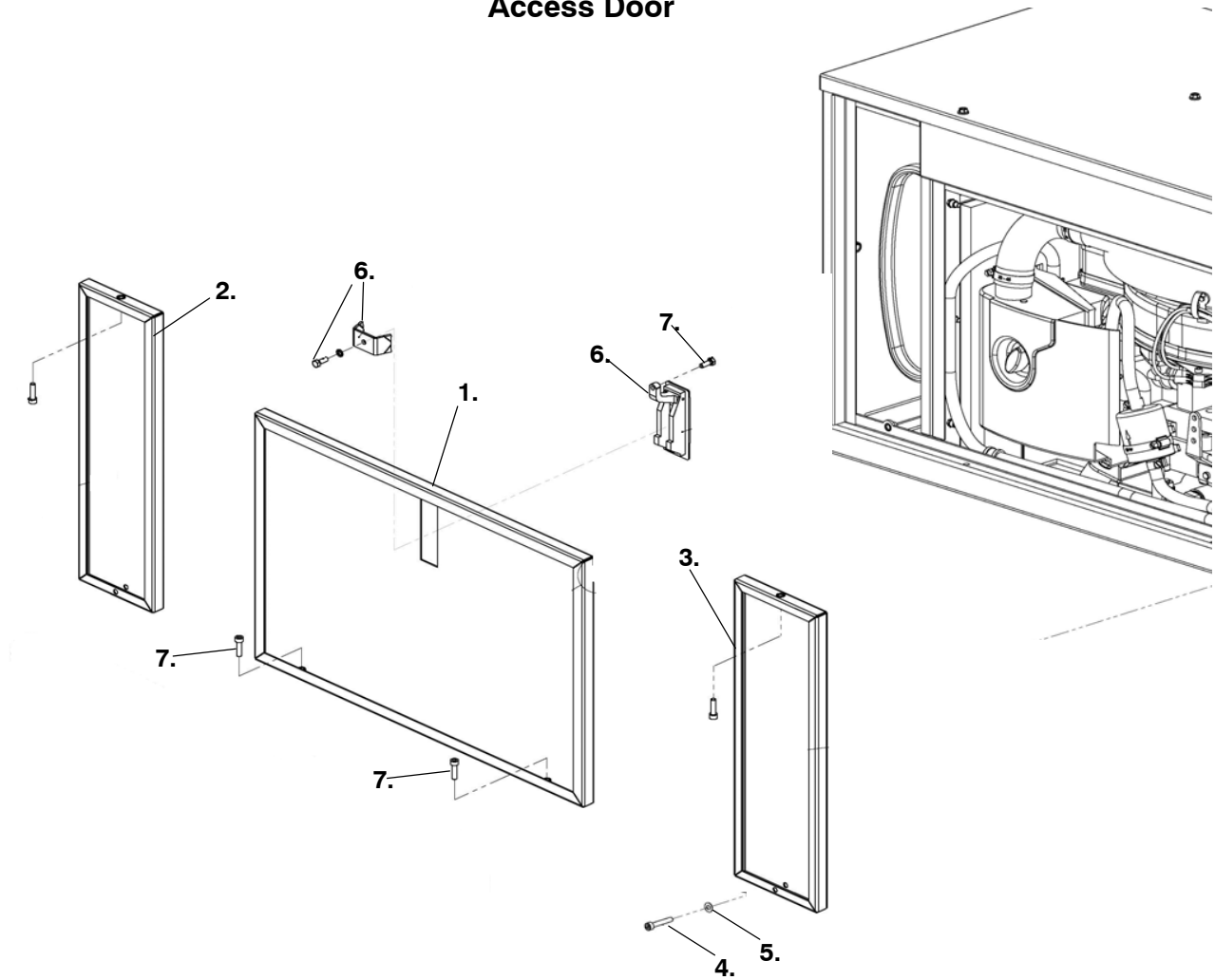
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	404-0515	1	Enclosure	3.	508-1299	1	Grommet
2.	404-0516	1	Plate, Case Cover				

Pre-Assembly



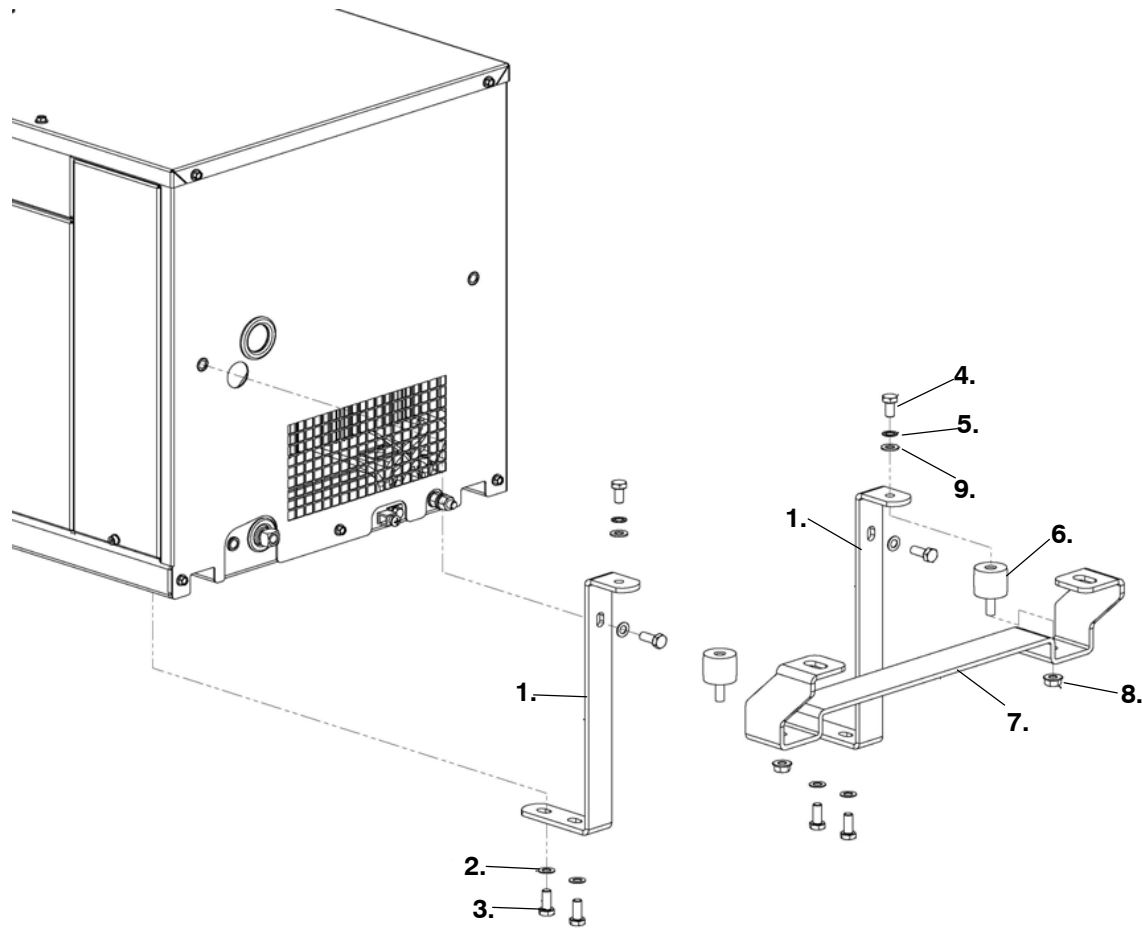
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	404-0515	1	Enclosure	5.	860-2112	2	Nut M5
2.	404-0516	1	Cover, Enclosure	6.	895-0437	1	Strip, Weather
3.	800-6489	22	Screw, (M5 x 12mm)	7.	403-6963	1	Pan, Base
4.	319-7130	1	Cover, Control				

Access Door



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	541-1571	1	Panel, Front
2.	319-7274	1	Panel, Front Left
3.	319-7275	1	Panel, Front Right
4.	802-2554	2	Screw M5 x 30mm
5.	526-2377	2	Washer M5
6.	406-1198	1	Latch, Panel
7.	800-6491	5	Screw, Hex Head Cap (M5 x 14mm)

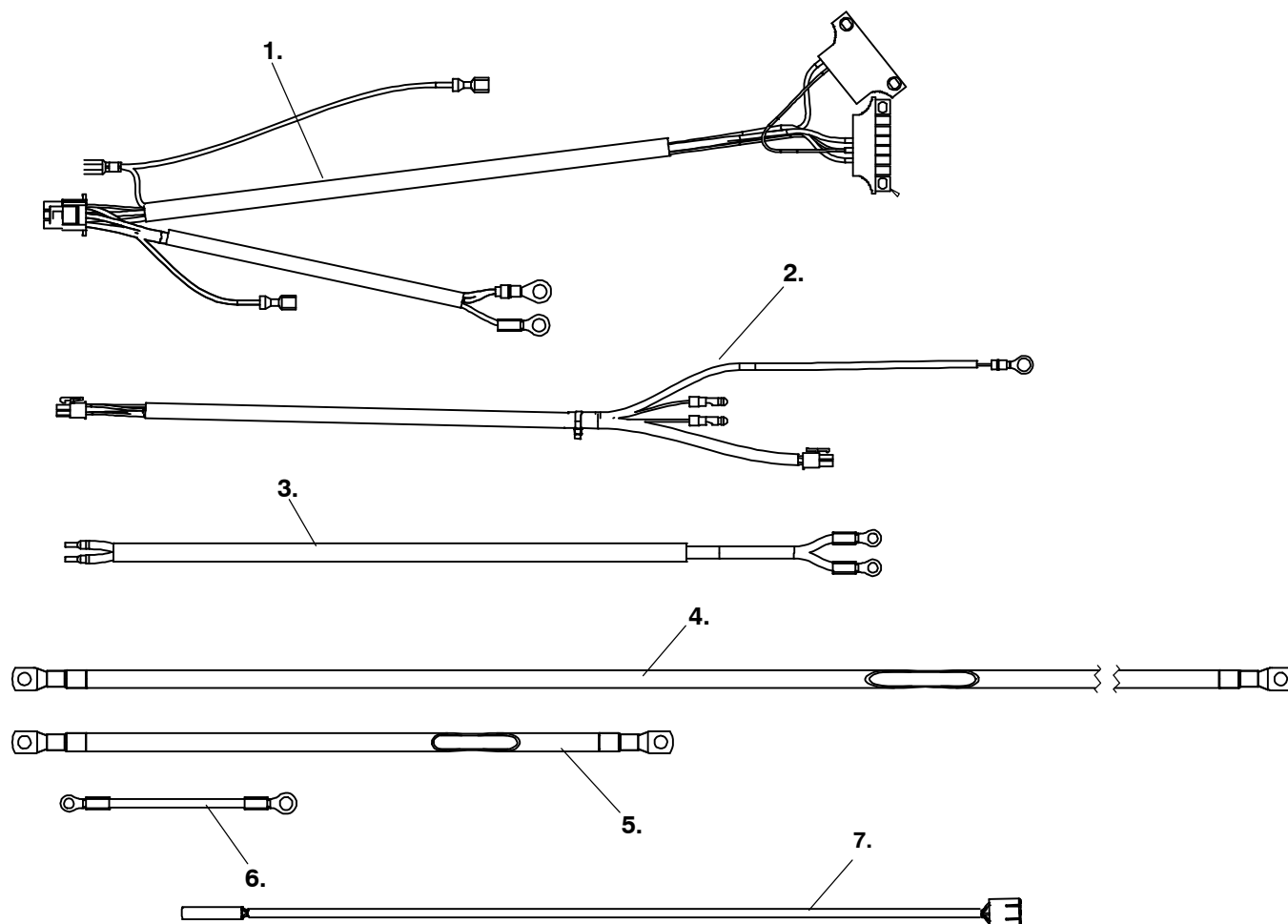
Mounting Bracket



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	403-6986	1	Bracket, Mounting Set
2.	526-2379	12	Washer (M8)
3.	800-6488	12	Screw, Hex Head (M8 x 20mm)
4.	800-6487	4	Screw, Hex Head (M8 x 16mm)

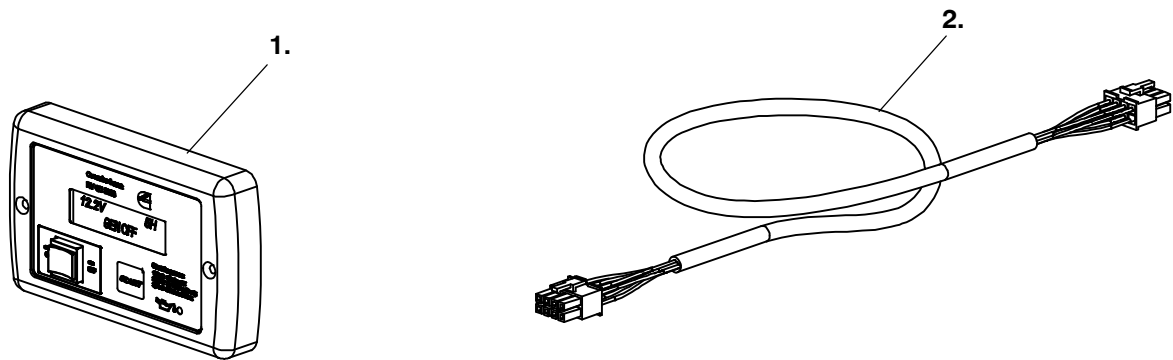
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5.	854-2046	4	Washer (M8)
6.	402-0935	4	Isolator, Vibration
7.	403-6987	2	Bracket, Mounting Set
8.	860-2111	4	Nut, (M8)
9.	526-2378	4	Washer (M8)

Harnesses



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	338-5029	1	Harness, Engine (Spec A-B)
	A044U873	1	(Begin Spec C)
2.	338-5237	1	Harness, Control
3.	338-5236	1	Harness, Ground
4.	338-0258	1	Cable, Battery (Starter)
5.	338-0259	1	Cable, Battery (Engine)
6.	338-5235	1	Cable, Battery (Ground)
7.	A044V381	1	Cable, Temp Sensor

Harnesses



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	300-6411	1	Panel, Control
	A044U877	1	(Spec A-B)
		1	(Begin Spec C)
2.	300-6412	1	Harness, Control Panel

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110-4047, 11		123-2395, 6		147-0965, 16		159-1798, 17	
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110-4049, 11		123-2399, 18		147-0967, 15		191-2463, 21	
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