

### **Parts Manual**

### Cummins Onan

Performance you rely on.™



### **RV** Generator Set

KV (Spec A-L) KVC (Spec A-C) KVD (Spec A-B)

### 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.

ue

**△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!

**△WARNING** 

Servicing and replacement of MARINE CRITICAL PARTS must be carried out by persons trained and experienced with marine gasoline engine–generator safety requirements!

PSP-1

#### Introduction

This manual applies to the standard Recreational Vehicle Generator Sets as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. 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.

G	enerator S	Set Data Ta	ble	
MODEL AND SPECIFICATION	VOLTS	HERTZ	FUEL	WIRING DIAGRAM
1.7KV-FU/29236A,B	240	50	Gasoline	610-0376
2.0KV-FR/26119B	230	50	LP	610-0376
2.0KV-FR/26119,C,D,E	230	50	LP	610-0383
2.0KV-FR/26119F,G,H,J	230	50	LP	610-0389
2.0KV-FR/26119K,L	230	50	LP	610-0389
2.0KV-FR/33742B	220	50	Gasoline	610-0376
2.0KV-FR/33742C,D,E	220	50	Gasoline	610-0383
2.0KV-FR/33742F,G	220	50	Gasoline	610–0389
2.0KV-FR/37544A,B	110/220	50	Gasoline	610–0380
2.0KV-FR/51844C,E	220	50	Gasoline	610–0384
2.0KV-FR/51844F,G	220	50	Gasoline	610–0390
2.2KV-FA/26100A,B	120	60	Gasoline	610–0375
2.3KV-FR/33742F,G,J,K	220	50	Gasoline	610-0389
2.3KV-FR/51844F,G,J,K	220	50	Gasoline	610-0390
2.5KV-FR/11540F,G,H,J 2.5KV-FR/11540K,L 2.5KV-FA/26120B 2.5KV-FA/26120C,D,E 2.5KV-FA/26120F,G,H,J	100 100 120 120 120	60 60 60 60	LP LP LP LP LP	610-0394 610-0394 610-0379 610-0382 610-0388
2.5KV-FA/26120K,L	100	60	LP	610-0388
2.8KV-FR/11351C,E 2.8KV-FR/11351F,G,J,K 2.8KV-FA/11574F,G,J,K 2.8KV-FA/26100A,B 2.8KV-FA/26100C,E 2.8KV-FA/26100F,G,J	100 100 120 120 120 120	60 60 60 60 60	Gasoline Gasoline Gasoline Gasoline Gasoline Gasoline	610-0386 610-0394 610-0388 610-0375 610-0382 610-0388
3.0KVC-83A,B,C	120	60	Gasoline	610-0395
3.0KVC-84A,B,C	100	60	Gasoline	610-0396
2.5KVD-2089A,B	120	60	LP	625–4345
2.0KVD-3730B	230	50	LP	625–4562
2.8KVD-2090A	120	60	Gasoline	625–4345
2.3KVD-3729A	230	50	Gasoline	625–4562

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

Arm, Governor Adjust, 11	Choke (KV Begin Spec C), 13
Arm, Rocker, 8	Choke (KV Spec A, B), 12
	Clamp, 20
Baffle, Air, 27	Clamp, Loop, 19
Baffle, Inlet (KV, KVD, Gasoline), 24	Clamp, Muffler (KVD), 33
Baffle, Inlet (KV, KVD, LP), <b>26</b>	Clamp-Hose, <b>20</b>
Baffle, Seal, <b>27</b>	Clamp–J, <b>20</b>
Base Mounting LKV, 39	Clip, "J", <b>9</b>
Base Mounting LKVD, 40	Clip, Choke "U" (KV Spec A, B), <b>12</b>
Base, Housing (KV), <b>35</b>	Clip, Governor Retainer, 11
	Clip, Rod End (KV Spec A, B), <b>12</b>
Base, Housing (KVC), <b>37</b>	
Base, Housing (KVD), <b>36</b>	Coil, Ignition (KV), <b>35</b>
Base, Mounting (KV), <b>35</b>	Coil, Ignition (KVC), <b>52</b>
Base, Mounting (KVC), 37	Coil, Ignition (KVD), 36
Base, Mounting (KVD), <b>36</b>	Collar, Governor Control Lever, 11
Base, Oil, 10	Components, Carburetor, 17
Bearing, Ball, <b>7</b>	Connector, Barbed Hose (KV, KVD, LP), 26
Bearing, Choke Flange (KV Begin Spec C), 13	Connector, Plug (8 Pin) (KVC, KVD and KV begin Spec F)
Bearing, Choke Flange (KVC, KVD, Gasoline), 14	65
Bearing, Crankshaft Ball, 7	Connector, Receptacle (8 Pin) (KVC, KVD and KV begin
Bearing, Generator Rotor Ball, 49	Spec F), <b>65</b>
Block, Cylinder, 6	Connector, Receptacle (8 Pin) (KVC, KVD and KV begin Spec F), <b>65</b>
Block, Generator Brush, 46	Control (KVC), 52
Boot, Inlet Baffle Insulation (KV, KVD, Gasoline), 24	Coupling, Anchor (KV, KVD, LP), 26
Boot, Inlet Baffle Insulation (KV, KVD, LP), 26	, , , , , , , , , , , , , , , , , , , ,
Boot, Spark Plug (KV), 35	Coupling–Anchor, 24
Boot, Spark Plug (KVC), <b>52</b>	Cover, Air Filter Element, 47
Boot, Spark Plug (KVD), <b>36</b>	Cover, Choke (KV Begin Spec C), 13
Box, Control (KV Spec A-F), <b>50</b>	Cover, Choke (KV Spec A, B), 12
Box, Control (KVD and KV Begin Spec G), <b>51</b>	Cover, Choke (KVC, KVD, Gasoline), 14
Brace, Generator, <b>44</b>	Cover, Choke Thermostat Element (KV Begin Spec C), 13
	Cover, Choke Thermostat Element (KVC, KVD, Gasoline),
Bracket, Choke Mounting (KV Spec A, B), 12	14
Bracket, Fuel Regulator (KV Begin Spec L and KVD Begin Spec B), <b>21</b>	Cover, Cylinder Head, <b>9</b>
Bracket, Lifting, <b>6</b>	Cover, Housing (KV), 41
Bracket, Muffler (KV Spec A–G), <b>30</b>	Cover, Housing (KVD), <b>42</b>
Bracket, Muffler (KVD), <b>33</b>	Cover, Mounting Base (KVC), 37
· , ,	Cover, Rocker Switch (KV Spec C-F), <b>50</b>
Bracket, Muffler Hanger (KVC), 32	Cover, Rocker Switch (KVC), 52
Bracket, Regulator, 19	Cover, Rocker Switch (KVD and KV Spec Begin Spec G),
Bracket, Solenoid, 49	51
Bracket, Underfloor Mounting, 44	Cover, Switch (KVC), <b>52</b>
Bracket-Lifting, 20	Crankshaft, 7
Breaker, Circuit (KV Spec A-F), <b>50</b>	
Breaker, Circuit (KVC), <b>52</b>	Diaphragm, Pull Off (KV Spec A, B), 12
Breaker, Circuit (KVD and KV Spec Begin Spec G), 51	Diode, Remote Panel (KV Spec A-E), <b>53</b>
Breather, Cylinder Head, 6	Duct, Endbell Air, 46
Brush, Generator Brush Block, <b>46</b>	
Bushing, Inlet Baffle Strain Relief (KV, KVD, Gasoline), 24	Edging, Underfloor Mounting, 44
Bushing, Inlet Baffle Strain Relief (KV, KVD, LP), 26	Elbow, Fuel Pump (KVC), 28
Bushing, Strain Relief, 24, 26	Elbow, Inlet Baffle (KV, KVD, Gasoline), 24
	Elbow, Inlet Baffle (KV, KVD, LP), 26
Camshaft, 8	Elbow, Intake (Gasoline), <b>16</b>
Cap, Choke Dome (KV Begin Spec C), 13	Elbow, Male (KV, KVD, LP), <b>26</b>
Cap, Choke Dome (KVC, KVD, Gasoline), <b>14</b>	Element, Air Filter, <b>47</b>
Capacitor (KV Spec A–F), <b>50</b>	Element, Thermostat (KV Begin Spec C), <b>13</b>
Carburetor, <b>20</b>	· · · · · · · · · · · · · · · · · · ·
	Element, Thermostat (KV Spec A, B), <b>12</b>
Carburetor (LP), <b>19</b>	Element, Thermostat (KVC, KVD, Gasoline), 14

Carburetor, Gasoline, 16

Endbell. 46 Harness, DC (Z1, Z2, Z3, Z4) (KV Spec A, B), 58 Harness, DC (Z1, Z4) (KV Spec C-E), 59 Engine, 20 Engine, Replacement, 6 Harness, DC (Z1, Z4) (KVD and KV Begin Spec F), 60 Harness, Generator (J1, J2)(KVC), 61 Filter, Fuel, 15 Harness, Generator (KV Spec A, B), 58 Fitting-Barbed hose, 24 Harness, Generator (KV Spec C-E), 59 Flange, Air Cleaner, 21 Harness, Generator (KVD and KV Begin Spec F), 60 Flange, Air Cleaner (Gasoline), 16 Harness, Generator (KVD), 62 Flange, Air Cleaner (LP), 19 Harness, PCB, 63 Flyweight, 8 Harness, PCB (KV Spec C-F), 50 Foam, Carburetor (KVC, KVD), 16 Harness, PCB (KVC), 52 Harness, PCB (KVD and KV Spec Begin Spec G), 51 Foam, Fuel Filter, 15 Fuel System Assy, 20 Harness, Remote Panel (KVD and KV Begin Spec F), 55 Fuse (KV Spec A-F), 50 Harness, Remote Panel (Switch Only), 56 Fuse, Generator Harness (KV Spec C-E), 59 Harness, Remote Switch Panel (KV Begin Spec F), 54 Fuse, Generator Harness (KVC), 61 Harness, Remote Wiring (KV Spec A-E), 57 Fuse, Generator Harness (KVD and KV Begin Spec F), 60 Harness, Remote Wiring (KVC, KVD and KV Begin Spec F), Fuse, Generator Harness (KVD and KV, Begin Spec F), 60 Harness, Wiring (Z1)(KVC), 63 Head, Cylinder, 6 Gasket, Carburetor (Gasoline), 16 Holder, Fuse (KV Spec A-F), 50 Gasket, Carburetor (LP), 19 Holder, Generator Harness Fuse (KVC), 61 Gasket, Cylinder Head, 9 Holder, Governor Spring, 11 Gasket, Drain Plug, 10 Hose, Breather, 9, 21 Gasket, Exhaust (KVD), 33 Hose, Fuel (Gasoline), 15 Gasket, Gearcase, 6 Hose, Fuel (LP), 19 Gasket, Governor Retainer Clip, 11 Hose, Vacuum (KV Spec A, B), 12 Gasket, Head, 6 Hose, Vapor, LP, 21 Gasket, Housing Base (KV), 35 Hose, Vent (LP), 19 Gasket, Housing Cover (KV), 41 Hourmeter (KVD and KV Begin Spec F), 55 Gasket, Housing Cover (KVD), 42 Housing, Air Guide, 9 Gasket, Inlet Baffle Foam (KV, KVD, Gasoline), 24 Housing, Choke (KV Begin Spec C), 13 Gasket, Inlet Baffle Foam (KV, KVD, LP), 26 Housing, Choke (KV Spec A, B), 12 Gasket, Intake Elbow (Gasoline), 16 Housing, Choke (KVC, KVD, Gasoline), 14 Gasket, Muffler (KV Begin Spec H), 31 Housing, Scroll, 47 Gasket, Muffler (KV Spec A-G), 30 Housing, Stator, 49 Gasket, Muffler (KVC), 32 Housing, Terminal (KVC, KVD and KV begin Spec F), 65 Gasket, Muffler (KVD), 33 Hub, Fan, 49 Gasket, Oil Base, 10 Gasket-Carb-Flange, 20 Indicator, Oil Level, 10 Gear, Camshaft, 8 Inlet Assy, 27 Gear, Crankshaft, 7 Insulation, Inlet Baffle (KV), 39 Gear, Governor, 8 Insulation, Inlet Baffle (KVD), 40 Gearcase, 6 Insulation, Lower Exhaust Baffle (KV), 35 Governor, 11 Insulation, Upper Exhaust Baffle (KV), 39 Grommet, Generator Harness (KVC), 61 Insulation, Upper Exhaust Baffle (KVD), 40 Grommet, Housing Base (KVC), 37 Insulator, Carburetor (Gasoline), 16 Grommet, Inlet Baffle (KV, KVD, Gasoline), 24 Insulator, Carburetor (LP), 19 Grommet, Inlet Baffle (KV, KVD, LP), 26 Isolator, Vibration, 39 Grommet, Inlet Baffle (KVD, Gasoline), 24 Isolator, Vibration (KV Spec A), 49 Grommet, Inlet Baffle (KVD, LP), 26 Isolator, Vibration (KV), 39 Grommet, Muffler Bracket (KVC), 32 Isolator, Vibration (KVC), 37 Guard, Housing Cover Air Inlet (KV), 41 Isolator, Vibration (KVD), 40 Guide, Push Rod, 8 Key, Camshaft, 8 Hanger, Tailpipe (KV), 34 Key, Crankshaft, 7 Harness, AC Output (KVC), 52 Key, Fan Hub, 49 Harness, Adapter (KVC, KVD and KV Begin Spec F), 65

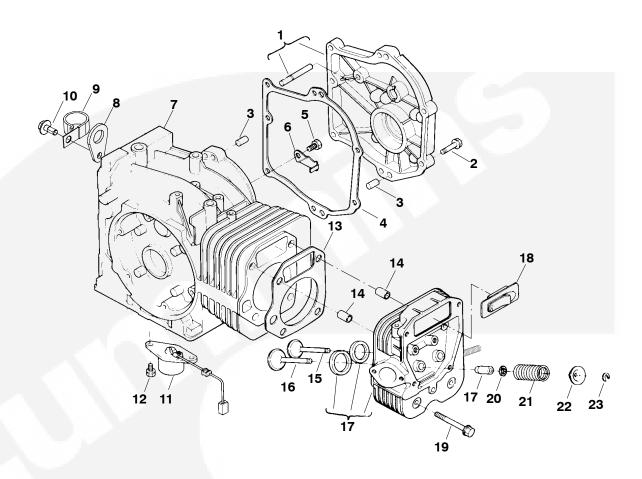
Kit Hose, Vent, 21 Panel, Remote Switch/Voltmeter (KVD and KV Begin Spec F), 56 Kit, Carburetor, 16 PCB Assy (KV Spec C-F), 50 Kit, Carburetor (Conversion), 19 PCB Assy (KVD and KV Spec Begin Spec G), 51 Kit, Carburetor Service (LP), 19 PCB Assy, Capacitor (KV, KVD, Gasoline), 24 Kit, Exhaust (KV), 34 PCB Assy, Capacitor (KV, KVD, LP), 26 Kit, Filter Cover, 15 PCB, Capacitor (KVC), 28 Kit, Fuel Tank (KV), 29 PCB, Control (KVC), 52 Kit, Muffler (KVD), 33 Pin, Cylinder Block Alignment, 6 Kit, Muffler Exhaust (KV Begin Spec H), 31 Pin, Decompression Spring, 8 Kit, Piston Ring, 7 Pin, Piston, 7 Kit, Remote Adapter (KVC, KVD and KV begin Spec F), 65 Pin, Terminal (KVC, KVD and KV begin Spec F), 65 Kit, Remote Switch Panel (KV Begin Spec F), 54 Pipe, Exhaust (KVD), 33 Kit, Remote Switch/Hourmeter Panel (KVD and KV Begin Pipe, Vacuum Hose (Gasoline), 16 Spec F), **55** Kit, Remote Switch/Voltmeter Panel (KVD and KV Begin Piston, 7 Spec F), 56 Plate, Circuit Breaker (KV Spec A-F), 50 Kit, Underfloor Mounting, 44 Plate, Circuit Breaker (KVD and KV Spec Begin Spec G), 51 Kit, Underfloor Mounting (KV, KVD), 44 Plate, Governor Control Lever Pressure, 11 Plug, Cavity (KVC, KVD and KV begin Spec F), 65 Labels, 66 Plug, Cavity (KVC, KVD and KV begin Spec F), 65 Latch, Housing Cover Service Panel (KV), 41 Plug, Control Box Hole (KV Spec A-F), 50 Latch, Housing Cover Service Panel (KVD), 42 Plug, Oil Drain, 10 Lever, Governor, 11 Plug, Spark, 9 Lever, Governor Control (Gasoline), 11 Plug, Spark Plug Access Hole (KV), 35 Link, Generator Scroll Preheat, 47 Plug, Spark Plug Access Hole (KVD), 36 Link, Pulloff (KV Spec A, B), 12 Pump, Electric Fuel (KV, KVD, Gasoline), 24 Linkage, Choke (KV Begin Spec C), 13 Pump, Fuel (KVC), 28 Linkage, Choke (KV Spec A, B), 12 Linkage, Choke (KVC, KVD, Gasoline), 14 Rectifier, Generator Harness (KV Spec A, B), 58 Lock, Housing (KVC, KVD and KV begin Spec F), 65 Rectifier, Generator Harness (KV Spec C-E), 59 LPG Mixer, 21 Regulator, 19 Regulator, Fuel (KV Begin Spec L and KVD Begin Spec B), Magneto, 46 Manifold, Exhaust, 20 Regulator, Micro, 36 Meter, Hour (KVC), 52 Regulator, Voltage (KV), 35 Meter, Remote Panel Battery Condition (KV Spec A-E), 53 Regulator, Voltage (KVC), 28 Meter, Remote Panel Hour (KV Spec A-E), 53 Relay, Disconnect (KV Spec A-F), 50 Mixer (KV Begin Spec L and KVD Begin Spec B), 21 Relay, Generator Harness (KV Spec A, B), 58 Muffler (KV Begin Spec H), 31 Relay, Start Solenoid (KV, KVD, Gasoline), 24 Muffler (KV Spec A-G), 30 Relay, Start Solenoid (KV, KVD, LP), 26 Muffler (KVC), 32 Relay, Start Solenoid (KVC), 28 Muffler (KVD), 33 Relay, Stop (KV Spec A-F), 50 Resistor, Charging, 46 O'Ring, End Bell, 49 Resistor, Generator Harness (KV Spec A, B), 58 O'Ring, Oil Base, 10 Resistor, Generator Harness (KV Spec C-E), 59 Resistor, Generator Harness (KVD and KV Begin Spec F), Paint. 66 Resonator, Exhaust (KV), 29 Panel Printed (KVD and KV Begin Spec F), 55 Retainer, Air Filter Element, 47 Panel, Air Inlet (KVC), 27 Retainer, Choke Cover (KV Spec A, B), 12 Panel, Housing Cover Service (KV), 41 Retainer, Valve Spring, 6 Panel, Housing Cover Service (KVD), 42 Ring, Choke Extension Retaining (KV Spec A, B), 12 Panel, Printed (KVD and KV Begin Spec F), 56 Ring, Choke Retaining (KV Spec A, B), 12 Panel, Remote (KV Spec A-E), 53 Ring, Piston Retaining, 7 Panel, Remote Switch (KV Begin Spec F), 54 Rivet, Standoff (KV Spec C-F), 50 Panel, Remote Switch Panel Printed (KV Begin Spec F), 54 Rivet, Standoff (KVD and KV Spec Begin Spec G), 51 Panel, Remote Switch/Hourmeter (KVD and KV Begin Spec

Rod, Connecting, 7

F), 55

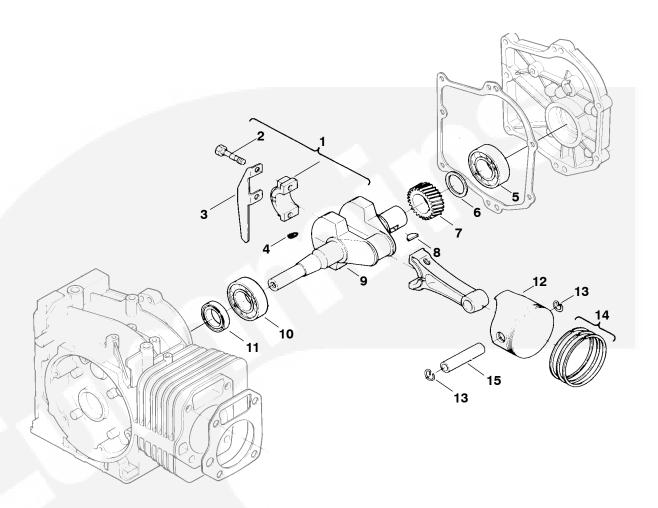
Stator, Generator, 49 Rod, Governor, 11 Rod, Push, 8 Stop, Governor Adjust, 11 Rope, Muffler Hanger Wire (KVC), 32 Stopper, Governor Gear, 8 Rotor, Generator, 49 Strap, Ground (KV Spec A-G), 30 Strap, Ground (KVC), 38 Scroll. 47 Stud, B+, 28 Scroll Assy, Generator, 47 Stud, Generator Mounting, 49 Seal, Baffle Air (KVC), 27 Stud, Generator Mounting (KV), 39 Seal, Baffle Panel (KVC), 27 Stud, Generator Mounting (KVD), 40 Seal, Cable (KVC, KVD and KV begin Spec F), 65 Stud, Muffler Mounting (KV Begin Spec H), 31 Seal, Generator Scroll Air Intake, 47 Stud, Muffler Mounting (KV Spec A-G), 30 Seal, Mounting Base Air (KVC), 37 Stud, Muffler Mounting (KVC), 32 Seal, Mounting Base Frame (KVC), 37 Stud, Muffler Mounting (KVD), 33 Seal, Mounting Base Pan (KVC), 37 Stud, Vibration Isolator Mounting (KVC), 37 Switch, Low Oil Pressure, 6 Seal, Oil, 7 Switch, Remote Panel Rocker (KV Spec A-E), 53 Seal, Valve, 6 Shaft, Choke (KV Spec A, B), 12 Switch, Remote Switch Panel Rocker (KV Begin Spec F), 54 Switch, Rocker (KV Spec A-F), 50 Shaft, Flyweight, 8 Switch, Rocker (KV Spec C-F), 50 Shaft, Governor Lever, 11 Shim, Camshaft, 8 Switch, Rocker (KVC), 52 Switch, Rocker (KVD and KV Begin Spec F), 56 Shim, Crankshaft, 7 Sleeve, Governor, 8 Switch, Rocker (KVD and KV Spec Begin Spec G), 51 Slinger, Oil, 6 Switch, Rocker (KVD and KV, Begin Spec F), 55 Solenoid, Shutdown (KV, KVD, LP), 26 System, Choke (KVC, KVD, Gasoline), 14 Solenoid, Throttle Closing, 49 Spacer, Muffler Hanger (KVC), 32 Tappet. 8 Splasher (Crankshaft), 7 Transformer (KV Spec A-F), 50 Spring, Choke Adjust (KV Spec A, B), 12 Transformer (KVC), 52 Spring, Decompression, 8 Transformer (KVD and KV Spec Begin Spec G), 51 Spring, Generator Brush Block, 46 Tube, Breather, 9 Spring, Generator Stator, 46 Tube, Endbell, 46 Spring, Governor, 11 Tube, Exhaust (KV), 34 Tube, Exhaust (KVC), 32 Spring, Governor Rod, 11 Spring, Regulator Hose (LP), 19 Tube, Oil Fill, 10 Spring, Valve, 6 Standoff, PCB (KV Spec C-F), 50 Valve, Exhaust, 6 Standoff, PCB (KVD and KV Spec Begin Spec G), 51 Valve, Intake, 6 Starter, 46 Voltmeter (KVD and KV Begin Spec F), 56

### Cylinder Block



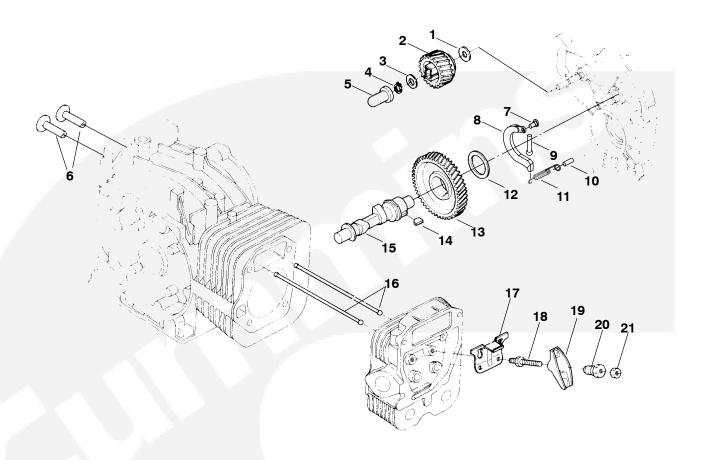
REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	100-4050	1	Engine, Replacement	11	308-1059	1	Switch, Low Oil Pressure (S2)
1	185-5193	1	Gearcase (Includes Pin)	12	185-5198	2	Bolt
2	185-5195	7	Bolt	13	185-5095	1	Gasket, Head
3	185-3175	2	Pin, Alignment	14	185-5097	2	Pin, Alignment
4	185-5194	1	Gasket, Gearcase	15	185-5202	1	Valve, Exhaust
5	185-3730	4	Bolt	16	185-5201	1	Valve, Intake
6	185-5199	1	Slinger, Oil	17	185-5200	1	Head, Cylinder (Includes
7	185-5196	1	Block, Cylinder				Valve Guides and Valve Seats)
8	403-4417-0	2 1	Bracket, Lifting	18	185-5099	1	Breather
9	327-0923	1	Clamp, J (LP Sets)	19	185-5096	4	Bolt, Cylinder Head
10			Screw, Hex Head Thread Form	20	185-5313	1	Seal, Intake Valve
	815-0709-0	1 1	KVC, Spec A	21	185-5203	2	Spring, Valve
			(M8 x 1.25 x 18mm)	22	185-5204	2	Retainer, Valve Spring
	815-0508	1	KV, KVC (Begin Spec B) and KVD (5/16–18 x .75")	23	185–5205	2	Cotter

### Crankshaft



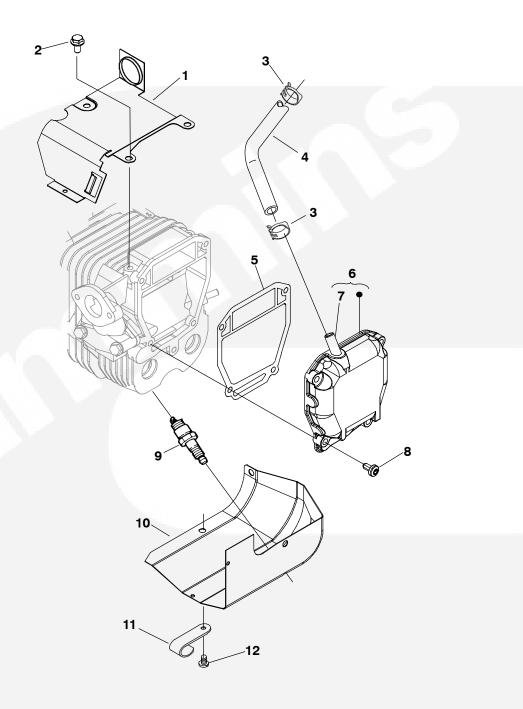
REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1 2 3 4 5 6	185-5112 185-5113 185-5114 185-3085 185-5118 185-4547 185-3371 185-3366 185-3367 185-3368 185-3369	1 2 1 1 1 1 1 1 1 1 1	Rod, Connecting (Includes Following Bolt and Splasher) Bolt, Connecting Rod Splasher Key, Crankshaft Bearing, Ball Shim, Crankshaft .10mm .20mm .25mm .35mm .40mm .45mm .50mm	7 8 9 10 11 12 13 14 15	185–5116 185–3088 185–3088 185–5115 185–7091 185–5117 185–3761 185–5109 185–3416 185–5110 185–5111	1 1 1 1 1 1 1 2 1	Gear, Crankshaft Key, Crankshaft Crankshaft KV Spec A-B Begin Spec C KVC, KVD Bearing, Ball Seal, Oil Piston Ring, Retaining Kit, Piston Ring Pin, Piston

### Camshaft



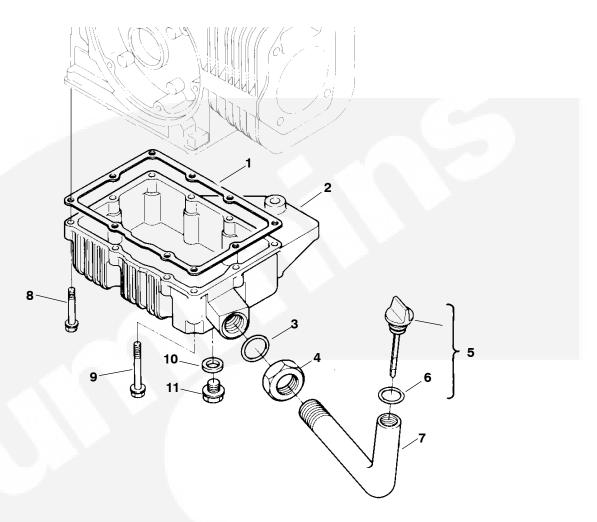
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	526-2078	4	Washer	13			Coor Comphat
ı	185-3674	1	Gear, Governor	13			Gear, Camshaft KV
2 3	526-2077	1	Washer		185-2914	4	
_	150-2275	1			185-2914	1	Spec A, B
4	185–3675	1	Stopper		185-2914	1	Begin Spec C
5	185-5106	1	Sleeve, Governor	1.4	185-3389	1	KVC, KVD
6 7	150-2302	2	Tappet	14 15	185-3389	ļ	Key, Camshaft Camshaft
-		1	*Shaft, Flyweight	15			KV
8	185-2731	1	*Flyweight		105 6075	4	
9	185–6374	ı	Pin, Decompression (KVC, KVD		185-6375	1	Spec A, B
10	150 0005		and KV, Begin Spec C)		185–6375	1	Begin Spec C (Includes
10	150-2305	!	*Pin, Decompression Spring		105 6075		Parts Marked *)
11	185–6373	ı	Spring, Decompression(KVC,		185–6375	1	KVC, KVD(Includes Parts
40			KVD and KV, Begin Spec C)	40	105 5100	•	Marked *)
12	105 1551		Shim, Camshaft	16	185-5103	2	Rod, Push
	185-4551	1	.10mm	17	185-5104	1	Guide, Push Rod
	185–3399	1	.20mm	18	185–5105	2	Stud
	185–3393	1	.25mm	19	185–5100	2	Arm, Rocker
	185–3394	1	.30mm	20	185–5101	2	Nut (Special)
	185–3392	1	.35mm	21	185–5102	2	Nut
	185–3395	1	.40mm				
	185–3396	1	.45mm	+	Danta Inalii-l	- مادنی ام	and to the state of the state o
	185–3397	1	.50mm				ımshaft KVC, KVD and KV
	185-3398	1	.55mm		Beginning S	pec C.	

### **Cylinder Head Cover**



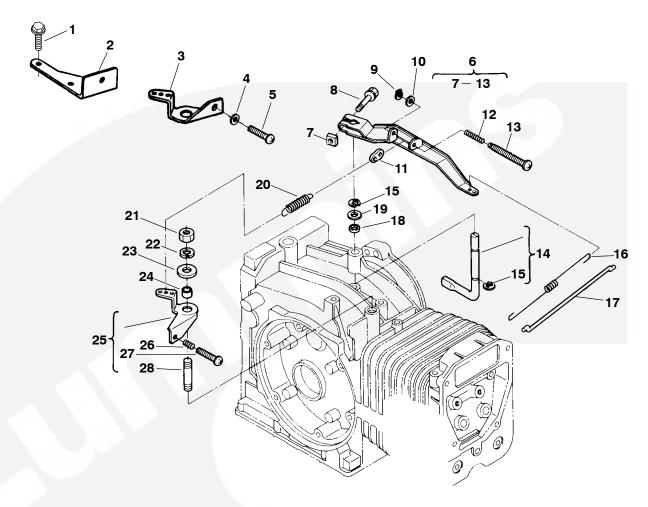
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2	185–5160 185–3730	1 3	Housing, Top Air Guide Bolt	6	185–5156	1	Cover, Cylinder Head (Includes Breather Tube)
3	503-1445-0	6 2	Clamp, Breather Hose	7	185-5157	1	Tube, Breather
4			Hose, Breather	8	185–5159	4	Bolt
			KV	9	167-0263-0	02 1	Plug, Spark (E1)
	123-2044	1	Spec A-F	10	134-4636-0	1 1	Housing, Bottom Air Guide
	123-2129	1	Begin Spec G	11	518-0515	1	Clip, "J" (KV, KVC)
	123–2129	1	KVC, KVD Gas (See page 21 for LP)	12	823-0003-0	06 3	Screw, Pan Head Torx Thread Form (M6 x 1 x 12mm)
5	185–5158	1	Gasket, Cover				

### Oil Base



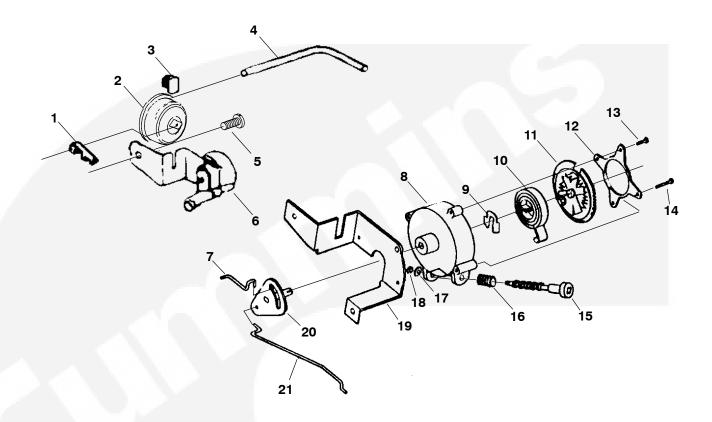
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-5120	1	Gasket, Oil Base	7	185-5124	1	Tube, Oil Fill
2	185-5119	1	Base, Oil	8	185-5121	6	Bolt
3	185-5126	1	O'Ring	9	185-5122	4	Bolt
4	185-5125	1	Nut	10	185-3077	1	Gasket
5	185–5123	1	Indicator, Oil Level (Includes O'Ring)	11	102–1367	1	Plug, Oil Drain (M12 x 1.25mm)
6	185-3078	1	O'Ring				,

### Governor



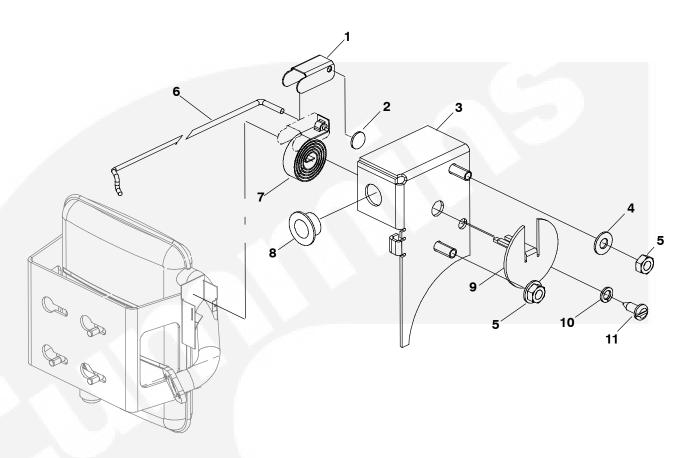
REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0261	2	Screw, Hex Washer Head	15	518-0576	2	Clip, Retainer
			Thread Form	16	185-5152	1	Spring, Rod
			(1/4-20 x 1/2")(LP)	17	185-5151	1	Rod, Governor
2	150-2450-02	2 1	Stop, Governor Adjust (LP)	18	150-2448	1	Gasket
3	150-2449-02	2 1	Arm, Governor Adjust (LP)	19	185-7221	1	Washer, Flat
4	526-0003	1	Washer, Flat (3/16") (LP)	20	185-5150	1	Spring, Governor
5	812-0087	1	Screw, Round Head Machine	21	185-2366	1	Nut, Flanged (M8)
			(8-32 x 1.5")(LP)	22	185-6957	1	Washer, Spring Lock
6	185-6955	1	Lever, Governor (Includes Parts	23	185-4499	1	Plate, Pressure
			Marked *)	24	185-4498	1	Collar
7	185-5148	1	*Nut	25	151-0700	1	Lever, Control (Includes Screw
8	185-6677	1	*Bolt				and Spring) (Gasoline Sets)
9	185-7090	1	*Clip, Retainer	26	150-2394	1	Spring
10	185-5145	1	*Washer, Flat	27	150-2514	1	Screw
11	150-2396	1	*Holder, Governor Spring	28	150-2286	1	Stud
12	150-2394	1	*Spring				
13	150-2395	1	*Screw				
14	185–5149	1	Shaft, Governor Lever (Includes Retainer Clip)	* _	Parts Include	ed in Gove	ernor Lever.

# Choke System (KV Spec A, B)



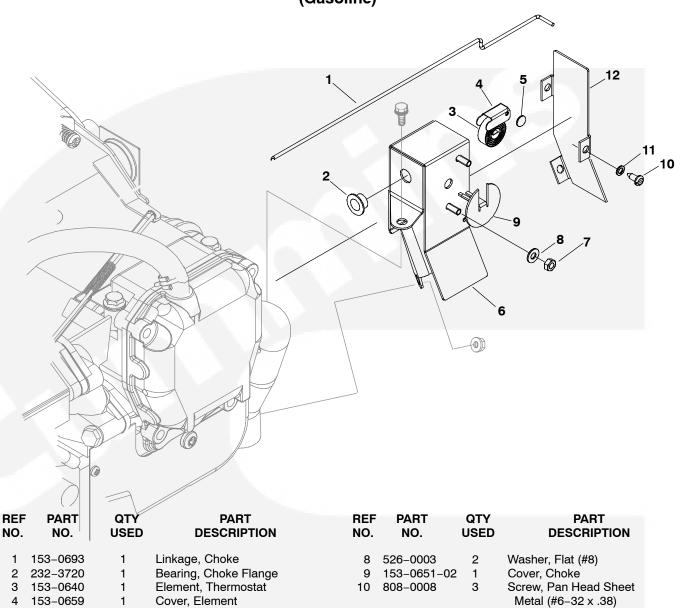
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	518-0371	1	Clip, Rod End	13	823-0002-0	4 2	Screw, Pan Head Thread
2	153-0600	1	Diaphragm, Pull Off				Forming with Socket Drive
3	518-0450	1	Clip, "U"				and IT Lockwasher
4	503-1338	1	Hose, Vacuum				(M4 x 0.7 x 12mm)
5	823-0003-	-02 2	Screw, Socket Drive Pan Head	14	823-0006-0	1 2	Screw, Pan Head Thread
			(M6 x 1 x 14mm)				Forming with Socket
6	153-0604	1	Choke (H1)				Drive and IT Lockwasher
7	153-0599	1	Link, Pull Off				(M4 x 0.7 x 30mm)
8	153-0611	1	Housing, Choke	15	153-0595	1	Screw, Choke Adjust
9	518-0532	1	Ring, Choke Retaining	16	153-0610	1	Spring, Choke Adjust
			Adjust	17	526-0008	1	Washer, Flat
10	153-0554	1	Element, Thermostat	18	518-0129	1	Ring, Extension Retaining
11	153-0602	1	Cover, Choke (Includes Choke	19	153-0605-0	2 1	Bracket, Choke Mounting
			Heater Element, Washers and	20	153-0598	1	Shaft, Choke
			Heater Spider)	21	153-0596	1	Linkage, Choke
12	153-0609	1	Retainer, Choke Cover				<b>3</b> .

# Choke System (KV Begin Spec C)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	153-0659	1	Cover, Element	7	153-0640	1	Element, Thermostat
2	517-0305	1	Cap, Dome	8	232-3720	1	Bearing, Choke Flange
3	153-0647-0	2 1	Cover, Choke	9	153-0651-	02 1	Cover, Choke
4	526-0003	2	Washer, Flat (#8)	10	850-0020	1	Washer, Lock (#6)
5	860-2005	2	Nut, Lock Flange (M4)	11	808-0008	1	Screw, Pan Head
6	153-0645	1	Linkage, Choke				(#6 x 3/8")

#### Choke System KVC, KVD (Gasoline)



5

517-0305

860-2005

153-0691-02

2

Cap, Dome

Housing, Choke

Nut, Lock Flange (M4 x .7)

Washer, Lock (#6)

Cover, Choke Housing

850-0020

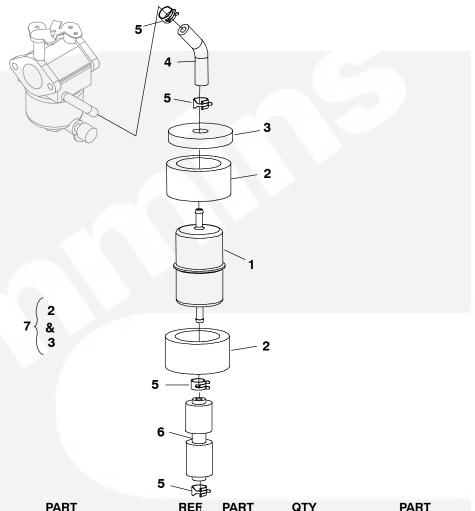
153-0692-02

11

12

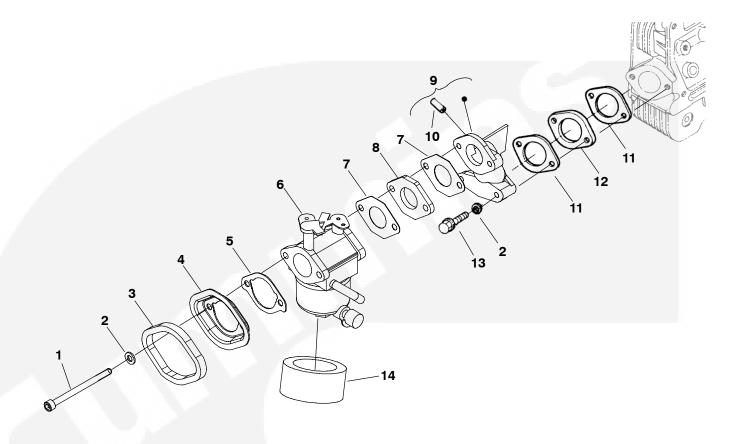
3

## Fuel Filter Gasoline



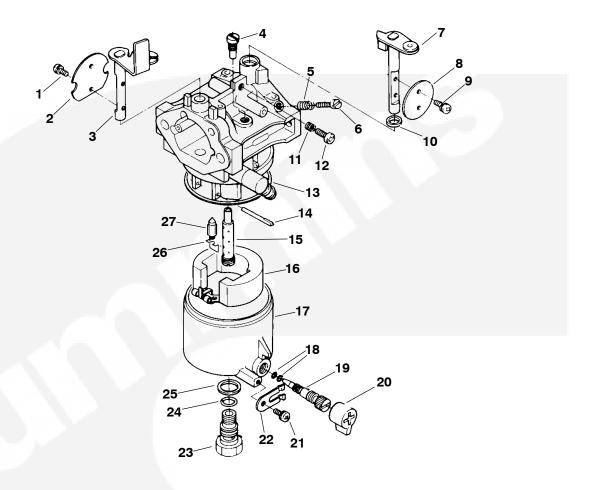
				VI.	5		
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2137	1	Filter, Fuel		503-2734-02		Begin Spec B
2			Foam, Fuel Filter		503-2734-04	1	KVD (825mm) Begin Spec A
	149-2633	1	KV	7	541-0558	1	Kit, Filter Cover (Includes Fuel
	149-2633	2	KVC, KVD				Filter Foam, Foam Cover and
3	149–2636	1	Cover, Fuel Filter (KVC, KVD) Hose, Upper Fuel				Fuel Filter Foam Shown on Carburetor Page)
	503-1418	1	KV Spec A (85mm)				· ,
	503-2734-01	1	KV Begin Spec B (70mm) and KVC, KVD Begin Spec A				
5 6	503-0731	4	Clamp, Black Hose Hose, Lower Fuel KV				
	503-1418	1	Spec A (85mm)				
	503-1777	1	Spec B (70mm)				
	503-2734-03	1	Begin Spec C (600mm) KVC (279mm)				
	503-1777	1	Spec A				

### **Gasoline Carburetor**



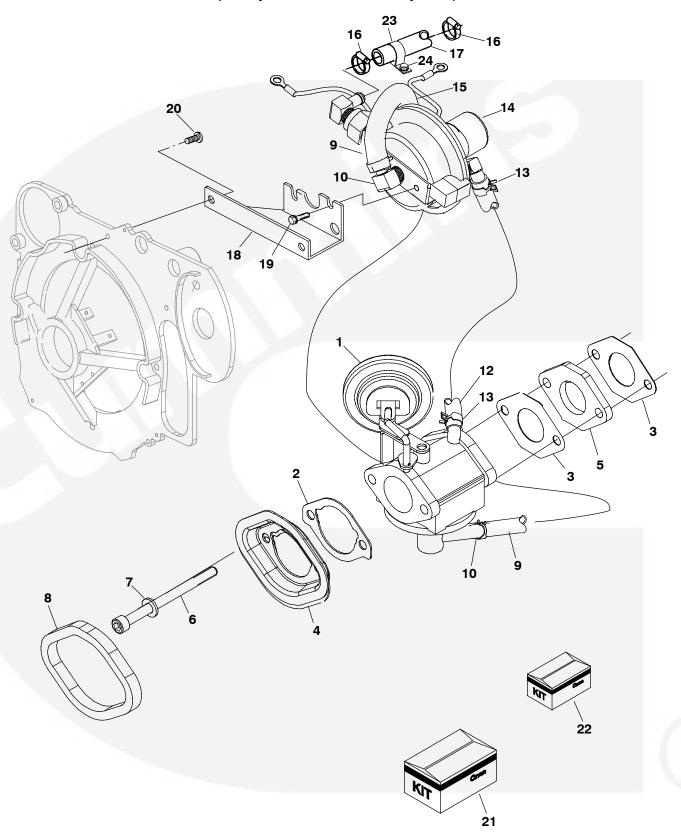
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	146-0705	1	Kit, Carburetor (KV Begin Spec E, KVC Begin Spec C and KVD Begin Spec A)		140–2980	1	KV Begin Spec E, KVC Begin Spec C KVD Begin Spec A
1	185-5129	2	Bolt (M6 x 1 x 80mm)	9	185–5135	1	Elbow, Intake (Includes Vacuur
2	740–1004	2	Washer, Flat (M6)				Hose Pipe)
3 4	145–0589	1	Gasket, Carburetor Flange Flange, Air Cleaner	10	185–5136	1	Pipe, Vacuum Hose (KV, Spec A & B with hole)
	185-5127	1	KV Spec A-D	11	185-5137	2	Gasket, Intake Elbow
	140-2978	1	KV Begin Spec E,	12	185-5138	1	Insulator
			KVC Begin Spec C,	13	185-5139	2	Bolt, Flange
			KVD Begin Spec A	14	149-2633	1	+Foam, Fuel Filter (KVC, KVD)
5			Gasket, Flange KV				
	185-5128	1	Spec A-D				ordering carburetor kit 146-0705
	140-2979	1	* Begin Spec E, KVC, KVD	+	Filter Foam I	ncluded i	n Filter Cover Kit Listed on Fuel
6	146-0705		Carburetor KV		Filter Page.		
7 8	140–2981	2	*Gasket, Carburetor Insulator				
_	185-5134	1	KV Spec A-D				

# Gasoline Carburetor \*Components (KV Spec A-C)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	146-0540	1	Carburetor (Spec A-B)	15	185-5180	1	Nozzle, Main
	146-0569	1	Carburetor (Spec C)	16	185-5179	1	Float
1	185-5165	2	Screw	17	185-5175	1	Body, Float
2	185-5164	1	Valve, Choke	18	185-5183	2	O'Ring
3	185-5168	1	Shaft, Choke	19	185-5182	1	Adjuster
4	185-5166	1	Jet, Pilot	20	185-5181	1	Cap
5	185-3245	1	Spring	21	185-5184	1	Screw
6	185-5167	1	Adjuster	22	185-5172	1	Plate, Spring
7	185-5170	1	Shaft, Throttle	23	185-5314	1	Bolt, Float Body
8	185-5163	1	Valve, Throttle	24	185-5176	1	O'Ring
9	185-4558	2	Screw	25	185-5177	1	Washer
10	185-5186	1	Seal	26	185-5185	1	Clip (Obsolete)
11	185-4563	1	Spring	27	185-5173	1	Needle
12	185-5169	1	Screw				
13	185–5178	1	Packing, Chamber – Float				
14	185–5174	1	Pin	* _	Service Part	s Not Avai	lable for Other Carburetors.

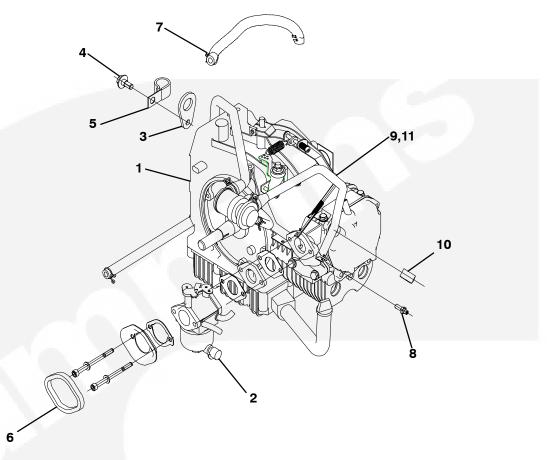
## LPG Carburetor/Regulator (KV Spec A–K and KVD Spec A)



# LPG Carburetor/Regulator (KV Spec A–K and KVD Spec A–B)

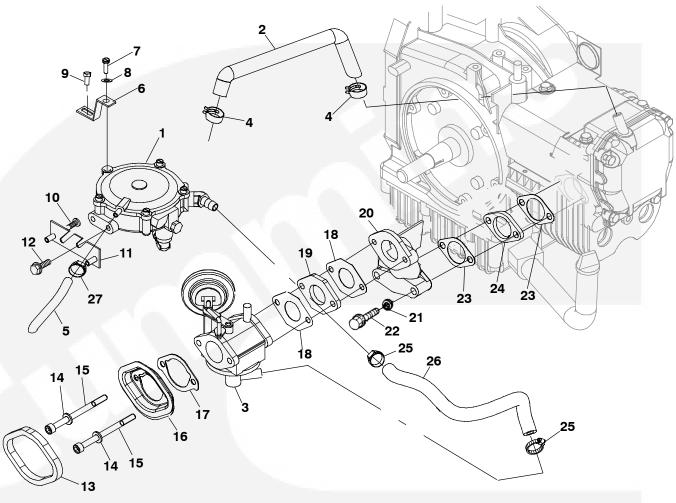
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Carburetor		503-2143-05	5 1	~ KVD (300mm)
			KV	16	503-1133	2	Clamp, Hose
	146-0753	1	Spec A,B (Includes Parts	17	503-2004	1	Hose, Fuel (25")
			Marked *)	18			Bracket, Regulator
	146-0760	1	Spec C, D				KV
	146-0721	1	Spec E, F, G (Includes		148-0932-02		Spec A-G
	440 0770		Gaskets Marked ◊)		148-1124-02		Spec H-K
	146–0770 146–0801	1 1	Spec H	19	148–1124–02 821–0004	2 2	KVD Screw, Self-Locking Hex
	140-0601	1	Begin Spec J-K (Includes Parts Marked~)				Head Flange (#10-32 x 5/16)
	146-0801	4	KVD Span A	20	823-0003-02	2 2	Screw, Pan Head
	146-0840	1 1	Spec A Begin Spec B	21	146-0753	1	(M6 x 1 x 14mm) Kit, Carburetor (Conversion)
2	140-0640	1	♦ Gasket, Flange	21	140-0755	'	(Used to Replace KV
3	140-2981	2	♦ Gasket, Carburetor				Spec A-D)
4	140 2001	_	Flange, Air Cleaner				Carburetor and Components)
•			KV				(Includes Parts Marked @)
	185-5127	1	Spec A-D		140-2978	1	@Flange, Air Cleaner
	140-2978	1	Spec E-K		140-2979	1	@Gasket, Air Cleaner
	140-2978		KVD		140-2980	1	@Insulator
5			Insulator		140-2981	2	@Gasket, Insulator
			KV		145–0589	1	@Gasket, Carburetor Flange
	185–5134	1	Spec A-D		502-1300	1	@Reducer, Hose Barb
	140-2980	1	Spec E-K		503-0731	2	@Clamp, Hose
0	140-2980	1	KVD		503-1199	1	@Hose, Vent
6 7	145-0589	1	Gasket, Carburetor Flange		503–1851 503–2004	4 1	@ Clamp, .69 Hose @ Hose, LPG Fuel (12")
8	740–1004 185–5129	2	Washer, Flat Bolt (M6 x 1 x 80mm)		880-0528	1	@Spring, Regulator Hose
9	880-0528	2	Spring, Regulator Hose(Used	22	146-0760	1	Kit, Carburetor Service (Used to
Ū	000 0020	_	on KV during Spec F, G Only)		110 0700	•	Service KV Spec A-D
10	503-1133	2	~Clamp, Hose				Carburetors (Includes Parts
11	146-0753	1	+*Spring, Load Adjust				Marked +)
12			Hose, Vent	23	332-1356	1	Clamp, Loop
			KV	24	815-0261	1	Screw
	503-2004	1	Spec A-D (4.2")				
	503–1199	1	Begin Spec E (No Shorter	* _	Parts Included	with K	V Spec A, B Carburetor.
	E00 1100	4	Than 23")				V Spec J-K Carburetor.
13	503–1199 503–0731	1 2	KVD (No Shorter Than 23") ~Clamp, Hose				h KV Spec E-G Carburetor.
14	303-0731	2	Regulator				G Conversion Carburetor Kit.
1-7			KV	+ -	Parts Included	in LPC	G Carburetor Service Kit.
	148-0963	1	Spec A-D				
	148-1012	1	Spec E-G				
	148-1125	1	~ Begin Spec H				
	148-1125	1	~ KVD				
15			Hose, Outlet Fuel				
			KV				
	503-2004	1	Spec A-D (4.4")				
	541-0808	1	<ul> <li>Spec H–J (11.8")</li> </ul>				
	503-2143-0	05 1	<ul> <li>Begin Spec K (300mm)</li> </ul>				

## Carburetor (Evap)



REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	100-4050	1	Engine	8	154-3214	1	Manifold, Exhaust
2	146-0861	1	Carburetor	9	539-4864	1	Fuel System Assy
3	403-4417-0	2 1	Bracket-Lifting	10	518-0720	1	Clamp
4	815-0508	1	Screw-hwh (5/16-18 x .75)	11	503-0731	2	Clamp-Hose
5	327-0923	1	Clamp-J				
6	145-0589	1	Gasket-Carb-Flange				
7	503-1445-0	6 1	Clamp-Hose				

### LPG Mixer LP (KV FR11540, FA26120, FR26119 Begin Spec L and KVD 2089 3730 Begin Spec B)

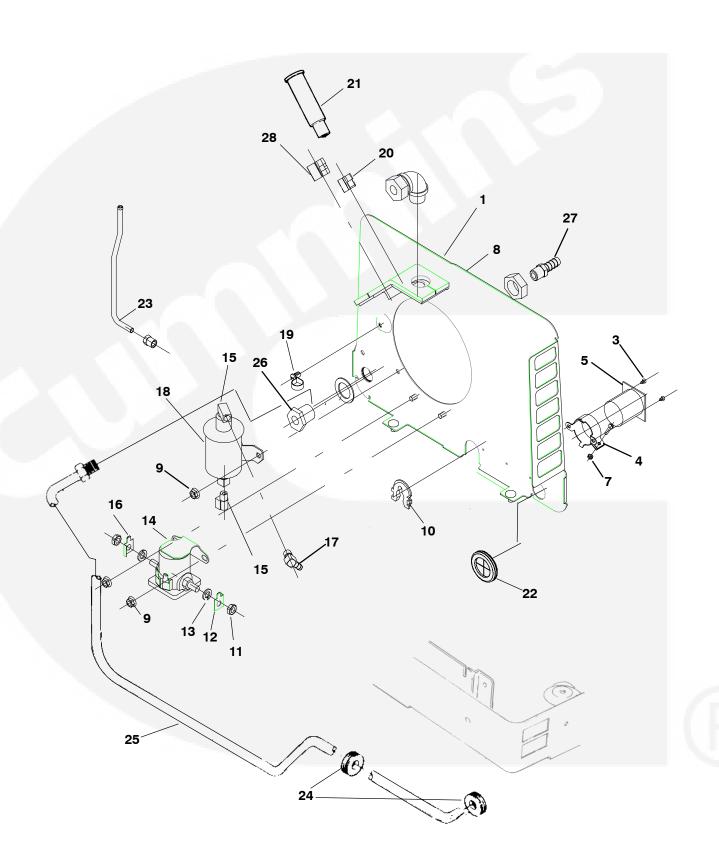


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.		QTY USED	PART DESCRIPTION
	541-1377	1	Kit Hose, Vent (Includes Hose, Cable Tie and Instructions)	12	821-0010	2	Screw, Locking Hex Head Flange (1/4-20UNF x 12")
1			Regulator, Fuel	13	145-0589	1	Gasket, Carb Flange
	148-1284	1	2KVFR26119,	14	740-1004	2	Washer, Flat (M6)
			2.5KVFR11540,	15	185-5129	2	Bolt, (M6 x 1 x 80mm)
			2.5KVFA26120,	16			Flange, Air Cleaner
			2.5KVD2089, 2KVD3730		140-2978	1	LPG 60 and 50 Hz
2	123-2129	1	Hose, Breather	17	140-2979	1	Gasket, Air Cleaner
3			Mixer	18	140-2981	2	Gasket, Insulator
	146-0840	1	LPG (60Hz)	19	140-2980	1	Insulator
	146-0841	1	LPG (50Hz)	20	185-5135	1	Elbow, Intake
4	503-1445-0	6 2	Clamp, Hose	21	740-1004	2	Washer, Flat (M6)
5	503-1418	1	Hose, Fuel	22	185-5129	2	Bolt, Flange
6	148-1267-0	2 1	Bracket, Fuel Regulator	23	185-5137	2	Gasket, Intake Elbow
7	813-0103	1	Screw, Round Head (Mach)	24	185-5138	1	Insulator
8	850-0030	1	Washer, Spring Locking	25	503-1133	2	Clamp, Hose
9	815-0261	1	Screw, Hex Thread Form	26	503-2143-08	3 1	Hose, Vapor, LP
10	823-0003-0	)4 1	Round, Head (Mach)	27	503-0731	1	Hose, Clamp
11	148-1261-0	2 1	Bracket, Fuel Regulator				·

### "Intentional Left Blank"



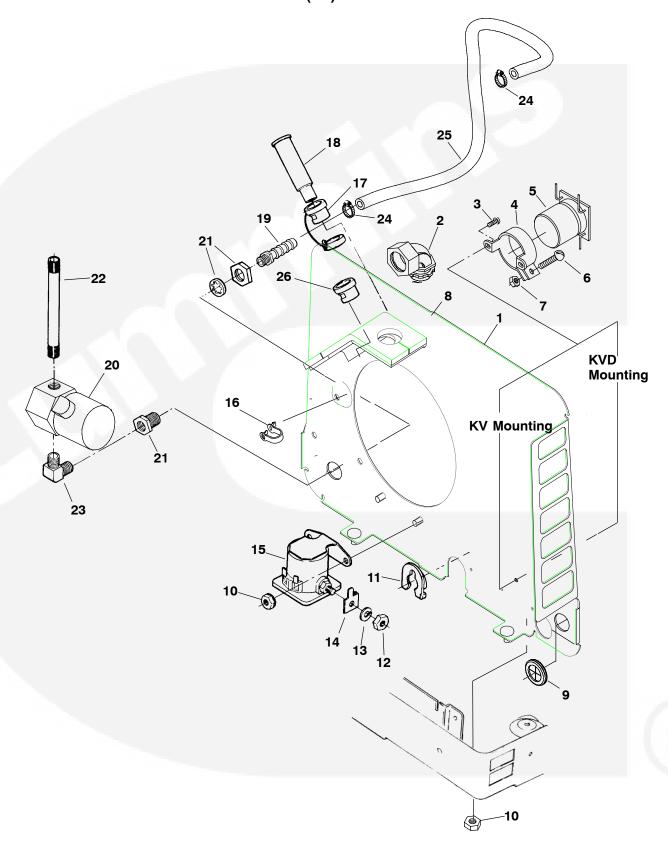
Inlet Baffle KV, KVD (Gasoline)



### Inlet Baffle KV, KVD (Gasoline)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Baffle, Inlet (Includes Conduit Elbow) KV	18			Spec A,B) Pump, Electric Fuel (E2) KV
	405-3785	1	Spec A		149-2140	1	Spec A,B
	405-4321-0	02 1	Spec B		149-2615	1	Spec C-E
	405-4417-0	02 1	Spec C-E		149-2615	1	Spec F-K
	405-5827-0	02 1	Spec F-K			1	FR11540, FR26119,
	405-6973-0	04 1	FR11540, FR26119, FA26120 Begin Spec L				FA26120, Begin Spec L KVD
			and KVD 2089, 3730		149-2615	1	Begin Spec B
			3729	19			Clamp
			Begin Spec B				κν
2	331-0521	1	Elbow, 90° Conduit		332-2900	1	Spec A,B
3	823-0001-0	01 2	Screw, Pan Head Trox (M3)		332-1420	1	Begin Spec C
4	356-0070	1	Clamp, Capacitor Mount		332-1420	1	KVD
5	300-4329	1	PCB Assy, Capacitor	20	323-1507	1	Bushing, Strain Relief
6	812-0066	1	Screw, Round Head Machine	21	167-1636	1	Boot, Insulation (B+ Lead)
			(#6-32 x .75")	22	508-1122	1	Grommet (KVD)
7	860-0006	1	Nut, Hex (#6-32)	23			Line, Inlet Fuel
8	405-5812	1	Gasket, Foam				KV
9	870-2054	4	Nut, Hex Flange Lock		149-2120	1	Spec A,B
			(M6 x 1mm)		149-2327	1	Begin Spec C
10	508-0293	1	Grommet		149-2327	1	KVD
11	868-0002	2	Nut, Hex (5/16-24)	24	508-0289	2	Grommet, Fuel Line
12	850-0045	2	Washer, Spring Lock (5/16")				KV Spec A, B
13	332-2897	1	Terminal	25	149-2300	2	Line Fuel (Includes Nut)
14	307-2586	1	Relay, Start Solenoid				KV Spec A, B
15	502-0002	1	Elbow, Inverted Male (90°)	26	502-1133	1	Coupling-Anchor
16	856-0006	2	Washer, EIT Lock (1/4")	27	502-1162	1	Fitting-Barbed hose
17	502-0313	1	Elbow, 90°Hose (KV Spec C-K	28	508-0179	1	Bushing, Strain Relief
			and KVD)(Not used on KV				<u>.</u> .

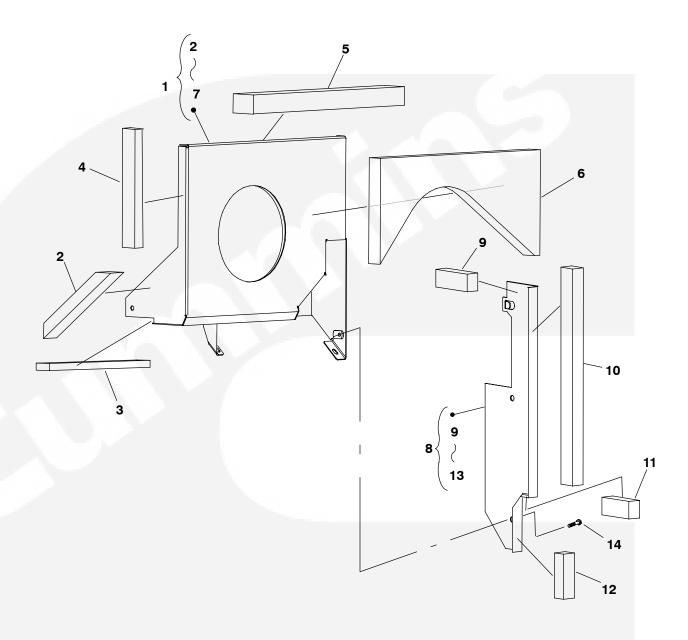
Inlet Baffle KV, KVD (LP)



### Inlet Baffle KV, KVD (LP)

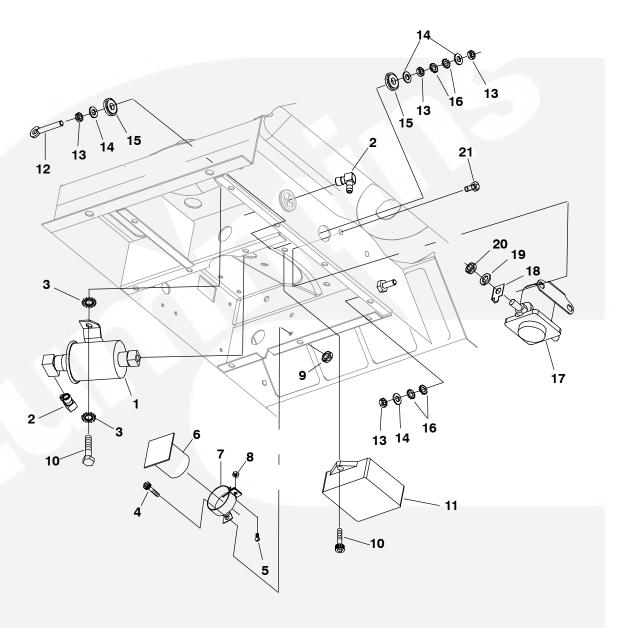
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5828-0	02 1	Baffle, Inlet (Includes Elbow) KV	16	332-1420	1	Clamp Begin(KVD and KV Spec C)
	405-6973-0	03 1	KVD	17	323-1507	1	Bushing, Strain Relief
2	331-0521	1	Elbow, 90° Conduit	18	167-1636	1	Boot, Insulation (B+ Lead)
3	823-0001-0	01 2	Screw, Pan Head (M3)	19	502-1162	1	Connector, Barbed Hose
4	356-0070	1	Clamp, Capacitor Mount	20	307-2961	1	Solenoid, Shutdown
5	300-4329	1	PCB Assy, Capacitor	21	502-1133	1	Coupling, Anchor
6	812-0066	1	Screw, Round Head Machine	22	149-2524	1	Line, Fuel Inlet
			(#6-32 x .75")	23	502-1140	1	Elbow, Male (.25 x 90°)
7	860-0006	1	Nut, Hex (#6-32)	24			Clamp, Hose
8	405-5812	1	Gasket, Foam		503-1133	2	Spec C
9	508-1122	1	Grommet (KVD)		503-2309	2	Begin Spec L
10	870–2054	4	Nut, Hex Flange Lock (M6 x 1mm)	25			Hose, Fuel Line (.375 ID x 25' KV
11	508-0293	1	Grommet		503-2004	1	Spec C
12	868-0002	2	Nut, Hex (5/16-24)		503-2143-0	2 1	Begin Spec L
13	850-0045	2	Washer, Spring Lock (5/16")		503-2143-0	2 1	KVD
14	332-2897	2	Terminal	26	508-0179	1	Bushing, Strain Relief
15	307-2586	1	Relay, Start Solenoid (K1)				-

## Air Inlet Panel KVC



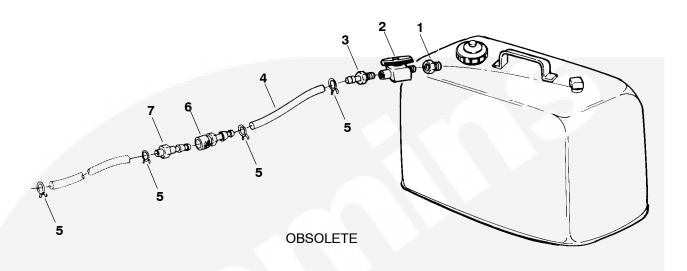
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405–6451	1	Inlet Assy (Includes Parts	10	405-6490-01	1	*Seal, Panel (312.5 x 25.4mm)
			Marked +)	11	405-6490-02	1	*Seal, Panel (59.2 x 25.4mm)
2	405-6454	1	+Seal, Air (187mm x 30mm)	12	405-6490-03	1	*Seal, Panel (65 x 20mm)
3	405-6509	1	+Seal, Air (25mm)	13	405-6481-02	1	Baffle, Seal
4	405-6448-02	1	+Seal, Air (195.1mm x 30mm)	14	821-6002-02	6	Screw, Lock Flange
5	405-6448-01	1	+Seal, Air (347mm x 30mm)				(M6 x 1 x 12mm)
6	405-6450	1	+Seal, Air (367mm x 170mm)				
7	405-6446-02	1	+Baffle, Air				
8	405–6487	1	Panel Assy (Includes Parts Marked *)		Parts Included Parts Included		,
9	405-6486	1	*Seal, Panel (69 x 25.4mm)				

## Fuel Pump/Start Solenoid Relay KVC



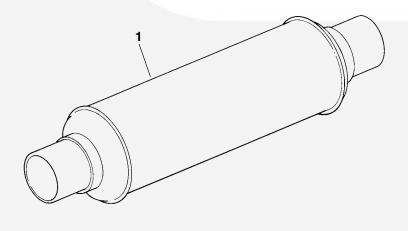
REF		QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	149-2331-03	1	Pump, Electric Fuel	11	305-0897	1	Regulator, Voltage
2	502-0313	2	Elbow, 90 Hose(.25 x .125 x 27")	12	520-1018-02	1	Stud, B+
3	856-0006	4	Washer, EIT (1/4")	13	864-0002	4	Nut, Hex Jam (5/16-18)
4	823-0002-04	2	Screw, Pan Head Torx	14	526-0115	4	Washer, Flat (5/16")
			(M4 x 0.7 x 12mm)	15	508-0332	2	Washer, Phenolic
5	812-0066	1	Screw, Slotted Head (6.32 x .75)	16	853-0016	4	Washer, EIT Lock
6	300-4329	1	PCB Assy, Capacitor	17	307-2570	1	Relay, Start Solenoid
7	356-0070	1	Clamp, Capacitor Mounting	18	332-2897	2	Terminal
8	860-0006	1	Nut, Hex (#6-32)	19	850-0045	2	Washer, Spring Lock (5/16")
9	860-2005	2	Nut (M4 x 0.7mm)	20	868-0002	2	Nut, Hex (5/16-24)
10	823-0003-02	4	Screw, Pan Head Torx	21	821-0010	2	Screw, Lock Head
			Thread Form (M6 x 1 x 14mm)				(1/4-20 x 1/2")

### Fuel Tank Kit KV



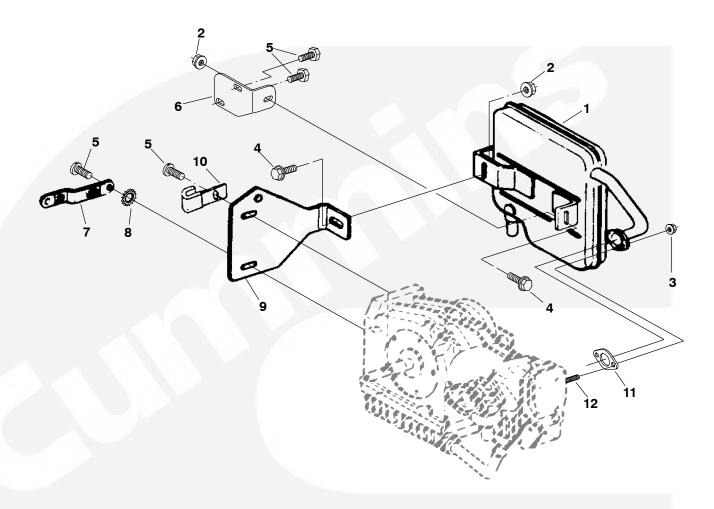
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0007	1	Bushing, Reducer (1/4" x 1/8")	5	503-0731	4	Clamp, Hose
2	504-0169	1	Valve, Shutoff (1/8")	6	502-0397	1	Coupling, Quick Disconnect
3	502-0395	1	Connector, Barbed Hose				Female
			(1/8")	7	502-0398	1	Coupling, Quick Disconnect
4	503-1199	1	Hose, Fuel (1/4" ID x 14")				Male

### Resonator KV



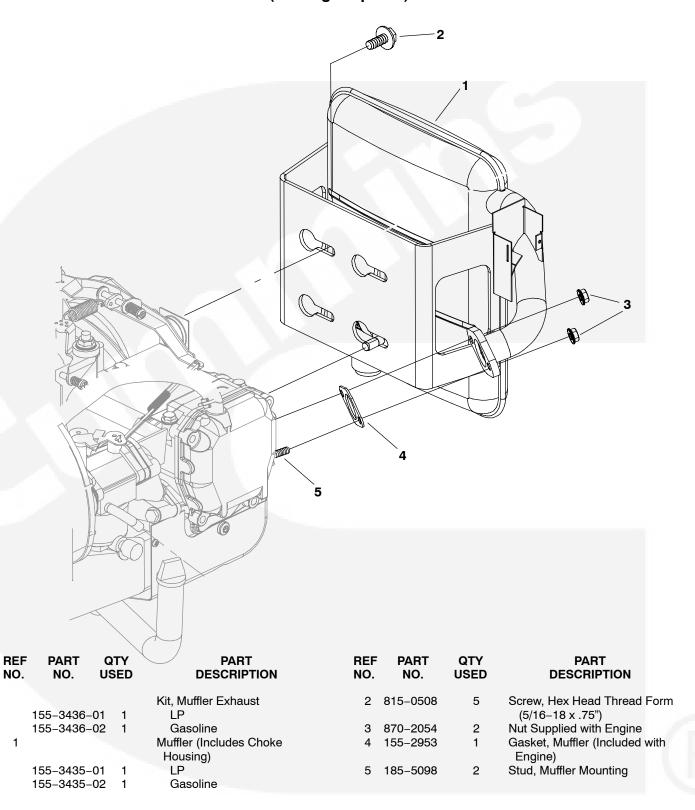
REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION
1	155-2449	1	Resonator, Exhaust

### Muffler (KV Spec A-G)



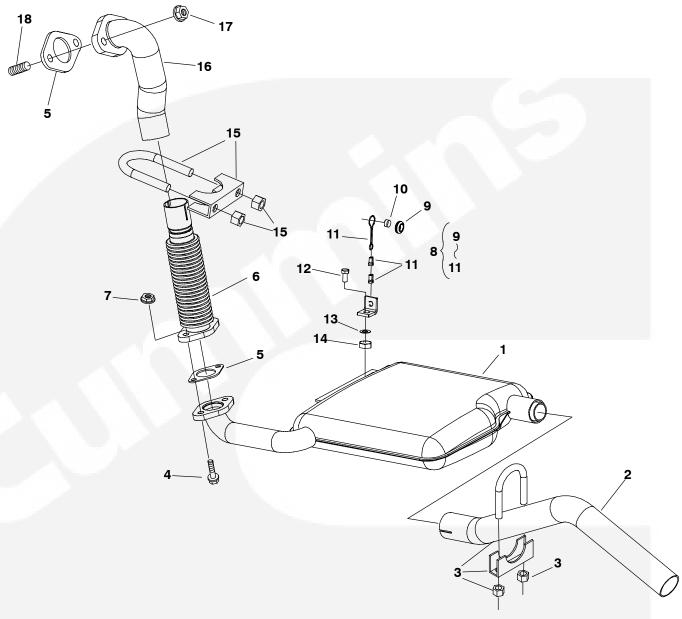
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Muffler	6	155-2301-0	02 1	Bracket, Muffler
	155-3436-0	01 1	LP	7	337-0049	1	Strap, Ground
	155-3436-0	02 1	Gasoline (Includes Choke	8	856-0008	1	Washer, EIT Lock (5/16")
			Housing)	9	155-2233-0	02 1	Bracket, Muffler
2	870-2055	2	Nut, Hex Flange Locking (M8)	10	327-0923	1	Clamp, "J" (LPG Units Only)
3	870-2054	2	Nut	11	155-2953	1	Gasket, Muffler
4	821–2045	2	Screw, Lock Flange (M8 x 1-1/4 x 16mm)	12	185–5098	2	Stud, Muffler Mounting
5	815-0709-0	01 4	Screw, Hex Head Thread Forming (M8 x 18mm)				

Muffler (KV Begin Spec H)

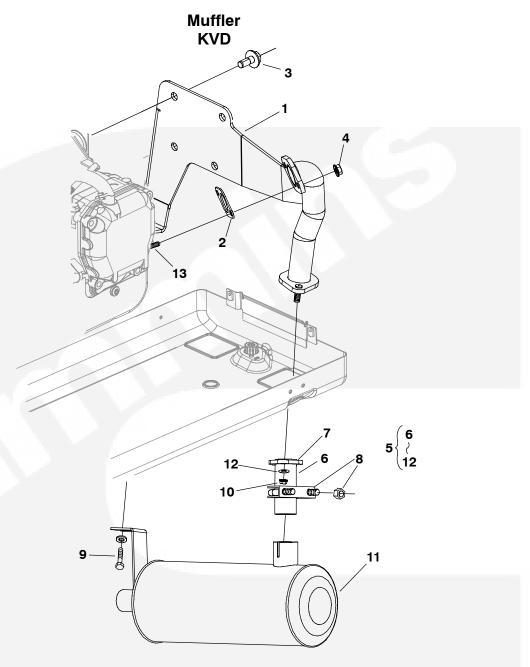


1

### Muffler KVC

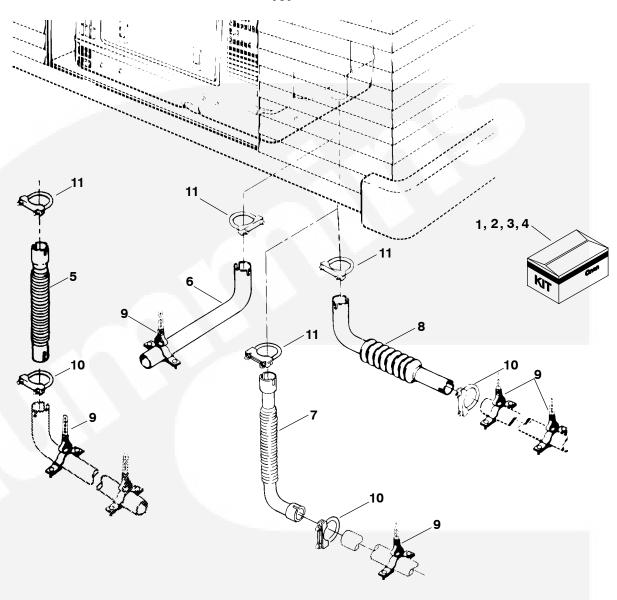


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION		
1	155-3314	1	Muffler, Exhaust	11	155-3343-01	1	*Rope, Wire (150mm)		
2	155-3315	1	Tube, Exhaust	12	800-2057	1	Screw, Hex Head Cap		
3	155-1256	2	Clamp, Muffler (Includes Clamp,				(M8 x 1.25)		
			"U" Bolt and Nuts)	13	526-2100	1	Washer, Flat (M8)		
4	800-2034	2	Screw, Hex Head Cap	14	750-1006	1	Nut, Hex (M8 x 1.25)		
			(M6 x 1 x 20mm)	15	155-1256	1	Clamp, Muffler (Includes Clamp,		
5	155-2953	1	Gasket, Muffler				"U" Bolt and Nuts)		
6	155-3313	1	Tube, Flex Exhaust	16	155-3312	1	Tube, Exhaust		
7	870-2054	2	Nut, Lock Flange	17	870-2054	2	Nut, Lock Flange		
8	155–3343–02	1	Bracket, Muffler Hanger (Includes Parts Marked*)	18	185–5098	2	Stud, Muffler Mounting		
9	508-0068	1	*Grommet, Rubber Obsolete						
10	370-0116-02	1	*Spacer, Muffler Hanger Obsolete	* - Parts Included in Hanger, Not Sold Separate.					



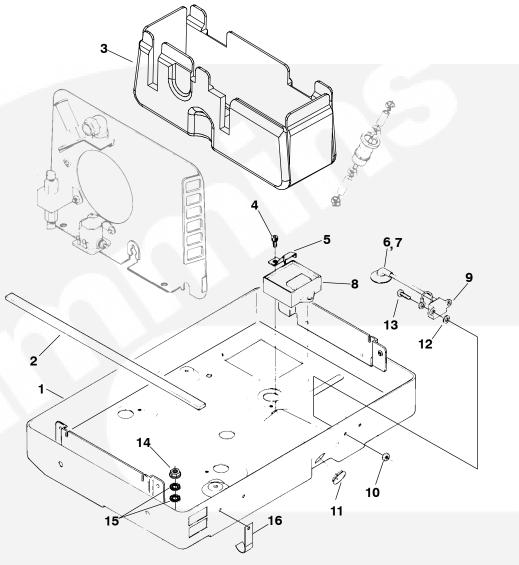
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3557-02	1	Bracket, Muffler	9	821-0016	1	*Screw, (5/16-18 x 3/4)
2	155-2953	1	Gasket, Muffler	10	870-0212	2	*Nut, Flanged
3	815-0508	4	Screw, Hex Washer Head	11	541-0618	1	*Muffler
			Thread Form (5/16-18 x .75")	12	526-0029	3	*Washer, #10
4	870-2054	2	Nut Supplied w/Engine	13	185-5098	2	Stud, Muffler Mounting
5	541-0618	1	Kit, Muffler (Includes Parts Marked *)				-
6	155-3562	1	*Pipe, Exhaust	<ul><li>Parts Included in Muffler Kit</li></ul>			
7	154-2746	1	*Gasket, Exhaust				
8	155–1256	1	*Clamp, Muffler (Includes Clamp, "U" Bolt and Nuts)				

### Exhaust Kit KV



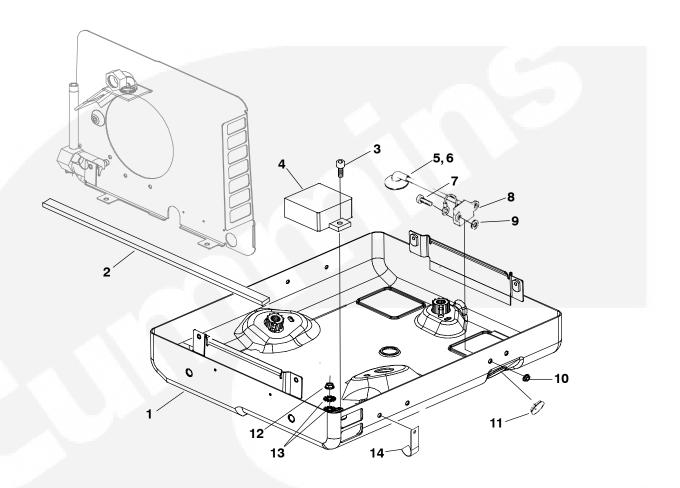
REF		QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	155-2325	1	Kit, Exhaust Tubing (Includes Parts Marked *)	8 9	155–2322 155–2174		Tube, Exhaust (356mm) Hanger, Tailpipe (Included in all
2	155-2324	1	Kit, Exhaust Tubing (Flexible) (Includes Parts Marked #)	10	155–1239		Kits Listed) Clamp (Marked 1-1/2")
3	155–2771	1	Kit, Exhaust Tubing (Flexible) (Includes Parts Marked ~)	11	155–1256	1 +~#*	Clamp (Marked 1–1/8") (Included in all Kits Listed)
4	155–2425	1	Kit, Vertical Exhaust Tubing Extension (Includes Parts Marked +)	* _	Parts Include	ed in 155–23	325 Exhaust Tubing Kit.
5	155–2772	1	~Tube, Straight Exhaust (300mm)	~ -	Parts Include	ed in 155–27	324 Flexible Exhaust Tubing Kit. 71 Flexible Exhaust Tubing Kit.
6	155-2323	1	*Tube, Exhaust (635mm)				25 Vertical Exhaust Tubing
7	155-2665	1	+Tube, Exhaust (242mm)		Extension Ki	t.	

### Mounting Base KV



REF NO.		QTY JSED	PART DESCRIPTION	REF NO.		QTY USED	PART DESCRIPTION
1			Base, Housing	9	166-0784-S	0 1	Coil, Ignition (T1) (Includes
	405-3794	1	Spec A				Lead, Cap, and Boot)
	405-4323-02	2 1	Spec B	10	860-2005	2	Nut, Hex (M4)
	405-4423-02	2 1	Begin Spec C	11	517-0254	1	Plug, Spark Plug Access Hole
2	895-0305-04	1	Gasket (504mm x 6mm x	12	856-0002	2	Washer, EIT Lock (#8)
			10mm)	13	823-1001-0	4 2	Screw, Pan Head Socket
3	405-3797	1	Insulation, Lower				Drive (M4 x 12mm)
			Exhaust Baffle	14	870-2054	1	Nut, Locking Hex Flange
4	815-0578	2	Screw, Pan Head Socket				(M6)
5	305-0767-02	1	Clamp, Regulator	15	856-0006	2	Washer, EIT (1/4")
6	167-0267	1	Terminal, Spark Plug	16	518-0728	2	Clip (Begin Spec L)
7	167-0265	1	Boot, Spark Plug				
8			Regulator, Voltage				
			Spec A, B				
	305-0830-02	2 1	50 Hz				
	305-0852	1	60 Hz				
	305-0897	1	Begin Spec C				

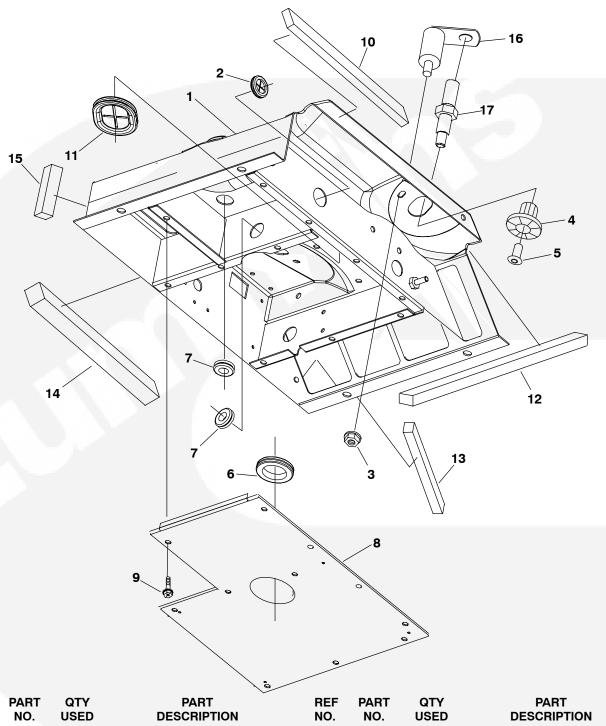
### Mounting Base KVD



 EF O.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6938-02	2 1	Base, Housing	8	166-0784-S	0 1	Coil, Ignition (T1)(Includes
2	895-0305-04	4 1	Gasket Foam (504mm x 6mm				Lead, Cap, and Boot)
			x 10mm)	9	856-0002	2	Washer, EIT Lock (#8)
3	823-1002-01	1 1	Screw, Pan Head Torx	10	860-2005	2	Nut, Hex (M4)
			(M6 x 1 x 12mm)	11	517-0254	1	Plug, Spark Plug Access Hole
4	305-0897		Regulator, Micro Voltage	12	870-2054	7	Nut, Locking Hex Flange
5	167-0267	1	Terminal, Spark Plug				(M6 x 1mm)
6	167-0265	1	Boot, Spark Plug	13	856-0006	2	Washer, EIT Lock (1/4")
7	823-0002-06	3 2	Screw, Pan Head Torx	14	518-0728	2	Clip (Begin Spec B)
			(M4 x 0.7 x 18mm)				

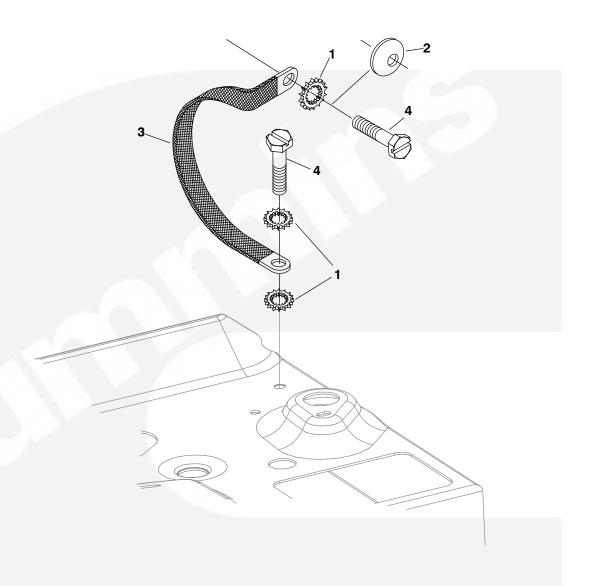
36

### Mounting Base KVC



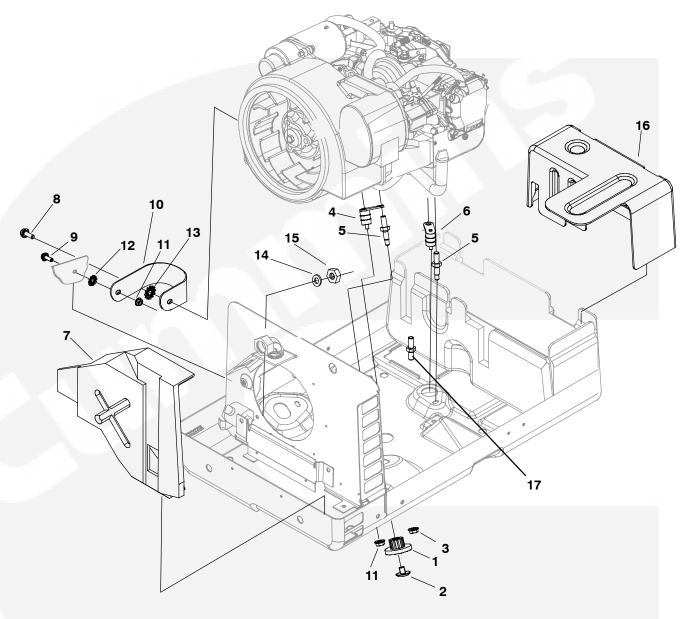
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.		QTY USED	PART DESCRIPTION
1	405-6444-02	2 1	Base, Housing	10	405-6489	1	Seal, Pan (293.5mm)
2	508-1122	1	Grommet (19mm ID)	11	508-1116	1	Grommet, Oval
3	870-2054	3	Nut, Hex Flange Locking (M6)	12	405-6485	1	Seal, Pan (338.2mm)
4	402-0547	3	Isolator, Vibration	13	405-6510	1	Seal, Pan (98mm)
5	870-2156	3	Nut, Pan Head with Internal	14	405-6494	1	Seal, Frame (434.3mm)
			Thread (M8 x 1.25 x 11.50mm)	15	405-6507	1	Seal, Air (110mm)
6	508-0258	1	Grommet (1-1/4" ID)	16			Isolator, Vibration
7	508-0008	2	Grommet (1/2" ID)		402-0601-02	2 2	With Yellow Dot (Generator
8	405-6447-02	2 1	Cover, Base				End)
9	821-6002-02	2 11	Screw, Hex Head Sems		402-0601-0	1 1	With Blue Dot (Engine End)
			(M6 x 1 x 12mm)	17	520-2210	3	Stud, Mounting

### Ground Strap KVC



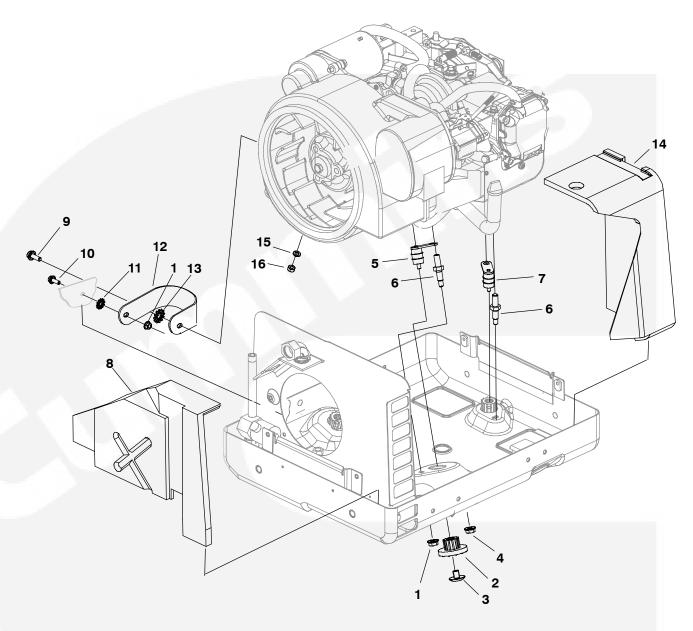
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0008	3	Washer, EIT Lock (5/16")	3	337-0049	1	Strap, Ground
2	526-0432	1	Washer, Spring Conical (Spec A Only)	4	815-0709-01	2	Screw, Hex Head Thread Form (M8 x 1.25 x 18mm)

## Base Mounting KV



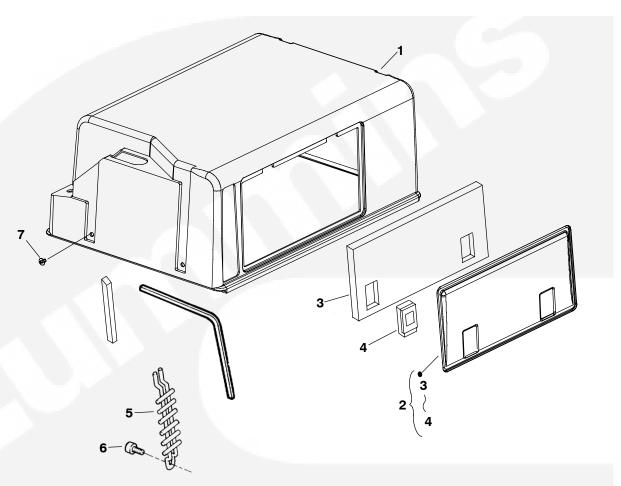
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	402-0547	3	Isolator, Vibration	10	337-0049	1	Strap, Bond
2	870-2156	3	Nut, Pan Head with Internal	11			Nut, Hex Flange Locking (M6)
			Thread (M8 x 11.50mm)		870-2054	4	Spec A
3	870-0212	1	Nut, Hex Flange Locking		870-2054	6	Spec B
			(1/4-20) Spec A		870-2054	7	Spec C
4	402-0601-0	2 2	Isolator, Generator Mount	12	856-0006	1	Washer, EIT Lock (1/4")
			Vibration (With Yellow Dot)	13	856-0008	1	Washer, EIT (5/16)
5	520-2210	3	Stud, Generator Mounting	14	740-1004	1	Washer, Flat (M6) (K3 Relay
6	402-0601-0	1 1	Isolator, Engine Mount Vibration				Mounting)
			(With Blue Dot)	15	750-1004	1	Nut, Hex (M6) (K3 Relay
7	405-3816	1	Insulation, Inlet Baffle				Mounting)
8	815–0508	1	Screw, Thread Form (5/16–18 x .75)	16	405–3796	1	Insulation, Exhaust Baffle (Upper)
9	821–2033	1	Screw, Hex Washer Head Locking (M6 x 10mm)	17	402-0632	1	Isolator, Vibration

## Base Mounting KVD



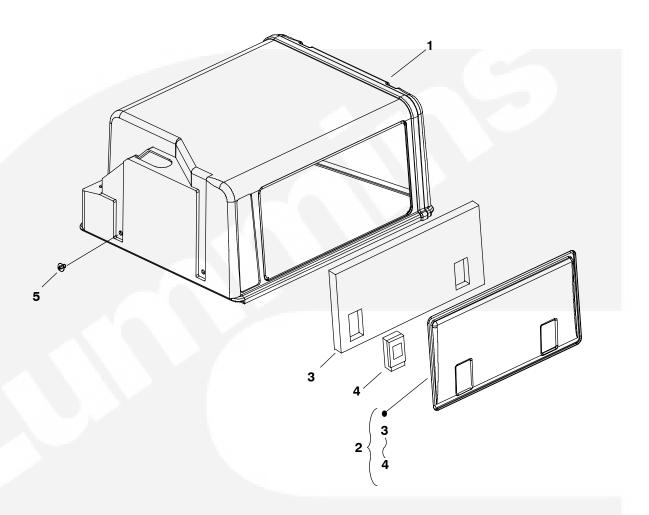
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-2054	3	Nut, Hex Flange Locking (M6)	8	405-6982	1	Insulation, Inlet Baffle (Inlet)
2	402-0547	3	Isolator, Vibration	9	815-0508	1	Screw, Thread Form
3	870-2156	3	Nut, Pan Head with Internal				(5/16-18 x .75")
			Thread (M8 x 11.50mm)	10	821-2033	1	Screw, Hex Washer Head
4	870-0212	1	Nut, Hex Flange Locking				Lock Flange (M6 x 10mm)
			(1/4–20)	11	856-0006	1	Washer, EIT Lock (1/4")
5	402-0601-0	2 2	Isolator, Generator Mount	12	337-0049	1	Strap, Bond
			Vibration (With Yellow Dot)	13	856-0008	1	Washer, EIT (5/16)
6	520-2210	3	Stud, Generator Mounting	14	155-3541	1	Insulation, Exhaust
7	402-0601-0	1 1	Isolator, Engine Mount Vibration	15	850-0040	1	Washer, Split Lock (1/4")
			(With Blue Dot)	16	862-0001	1	Nut, Hex (1/4-20)

#### Housing Cover KV



-	REF IO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	1			Cover, Housing	5	405-3789	1	Guard, Air Inlet (Spec A)
		405-4328	1	Spec A	6	815-0675	1	Screw, Thread Cutting
		405-4326	1	Begin Spec B				Socket Drive (Spec A)
	2	405-3790-5	30 1	Panel, Service(Includes				(#8-16 x 12.3mm)
				Gasket and Latch)	7	815-0685	4	Screw, Truss Head (M6 x 8mm)
	3	405-3784	1	Gasket				,
	4	406-0612	2	Latch				

### Housing Cover KVD

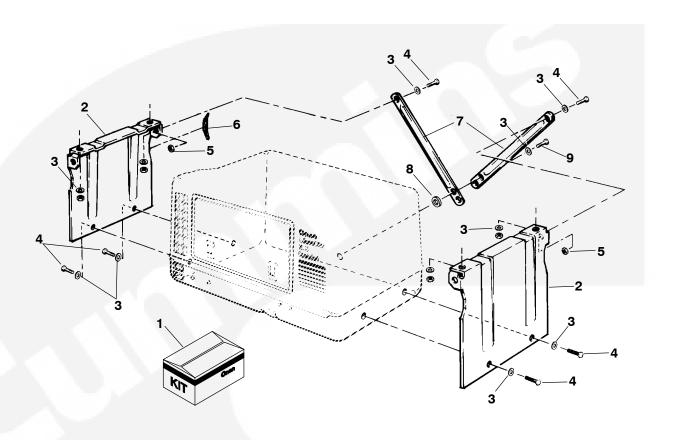


REF NO.	PART NO.	_	TY SED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-8048		1	Cover, Housing (Spec 2089B)	3	405-3784	1	Gasket
2	405-3790-	S0	1	Panel, Service (Includes	4	406-0612	2	Latch
				Gasket and Latch)	5	815-0685	4	Screw, Truss Head (M6 x 8mm)

#### "Intentional Left Blank"

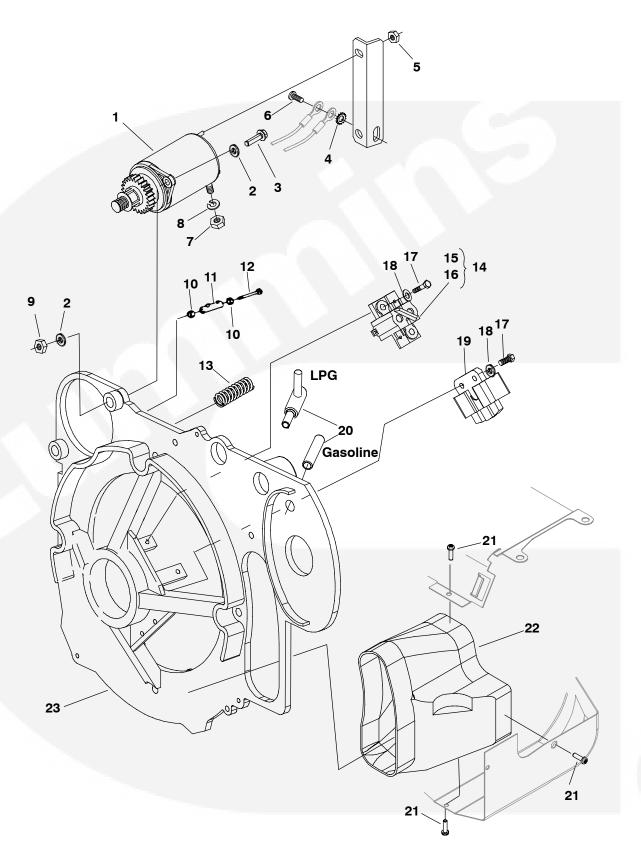


## Underfloor Mounting Kit KV, KVD



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2 3 4	403-2689 541-0661 403-2679- 526-0174 800-0048	1 1 -02 2 11 6	Kit, Underfloor Mounting (Includes all Parts Listed) KV KVD Bracket Washer, Flat (3/8") Screw, Hex Head Cap (3/8–16 x 3/4")	6 7 8 9	508-1047 403-2680-02 403-4668-02 526-0077 800-0050		Edging Brace, Generator KV KVD Washer, Flat (3/8") Screw, Hex Head Cap (3/8–16 x 1")
5	870-0281	2	Nut, Locking Head Flange (3/8–16)				

### Endbell

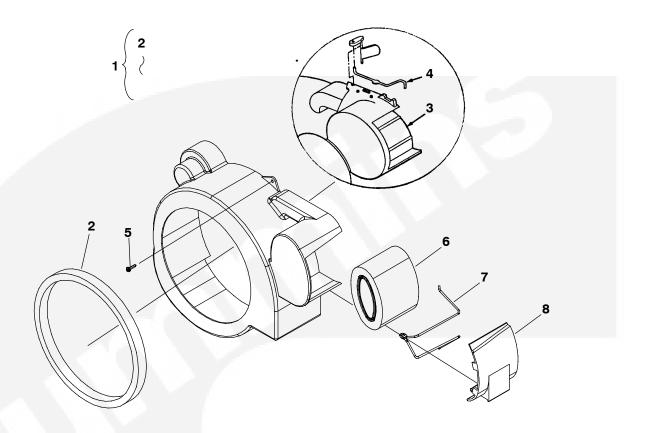


#### Endbell

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2	191-2351		Starter (B1) Washer, Flat (M8)	18 19	526-0003 160-1358-S0	2 1	Washer, Flat (3/16") Magneto
	740–1006	4	KVD Spec A-G	20			Tube, Endbell
	740–1006	2	KVC, KVD and KV, Spec H-K		232-4008	1	KV Spec A-K , KVC
3	815–0781	2	Screw, Hex Head Washer (M8 x 1.25 x 30mm)				Spec A-B KVD Spec A (Gasoline)
4	853-0013	1	Washer, ET Lock (1/4")		505-2119	1	KV FR11540 FR26119
5	870-0236	1	Nut, Lock (#10-32)				FA26120 Begin Spec L and
6	823-0003-03	1	Screw, Pan Head (M6 x 1 x 20mm)				KVD 2089, 3730 Begin Spec B (LP)
7	862-0001	1	Nut, Hex (1/4–20)	21	815-0888	3	Screw, Phillips Head
8	850-0040	1	Washer, Spring Lock (1/4")				(#6-20 x 1/2")
9	750-1006	2	Nut, Hex (M8 x 1.25)	22	134-4637	1	Duct, Air
			(KV, Spec A-H)	23			Endbell
10	304-0796	2	Washer, Centering (KV only)				KV
11	304-0797	1	Resistor, Charging (R1)		211-0527	1	Spec A,B
			(KV only)		211-0450	1	Spec C-F
12	815-0660	1	Screw, Hex Head Thread		211-0527	1	Spec G-K
			Forming Socket Drive (#10–32 x 2 1/2")(KV only)		211–0527	1	Begin Spec J KVC
13	232-3278	4	Spring, Stator		211-0486	1	Spec A-B
14	212-1285-S0	1	Block, Generator Brush (Includes Spring and Brush)		211–0527	1	Begin Spec C KVD
15	212-1276-03	2	Spring		211-0486	1	Spec A
16	214-0103	2	Brush		211-0527	1	3729 A, Begin Spec B
17	823-0002-09	4	Screw, Pan Head (M4 x 16mm)				

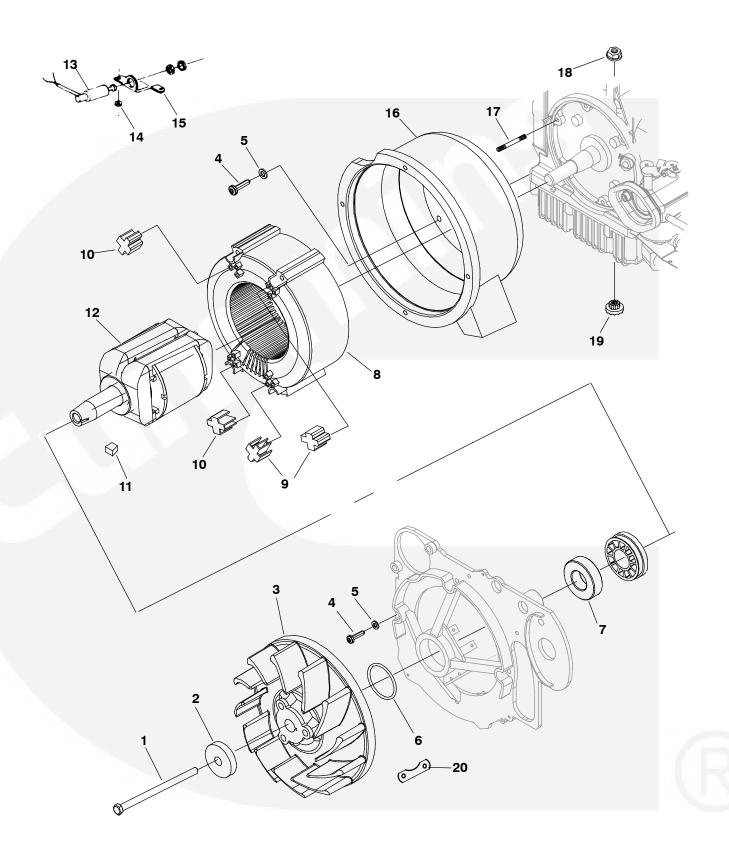
46

### Scroll



REF NO.		QTY SED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4647-S1	1	Scroll Assy (Includes Parts Marked *)	7 8	140-2144 140-2137	1 1	Retainer, Element Cover, Element
2	509-0297	1	*Seal, Air Íntake				
3	134-4635	1	*Housing, Scroll				
4	134–4648	1	*Link, Preheat (Early Specs Only)	* _	Parts Include	ed in Gaso	line Units Scroll Assy.
5	823-0002-09	3	Screw, Pan Head Torx Threads Forming (M40 x .7 x 16mm)				
6	140–2105	1	Element, Air Filter				

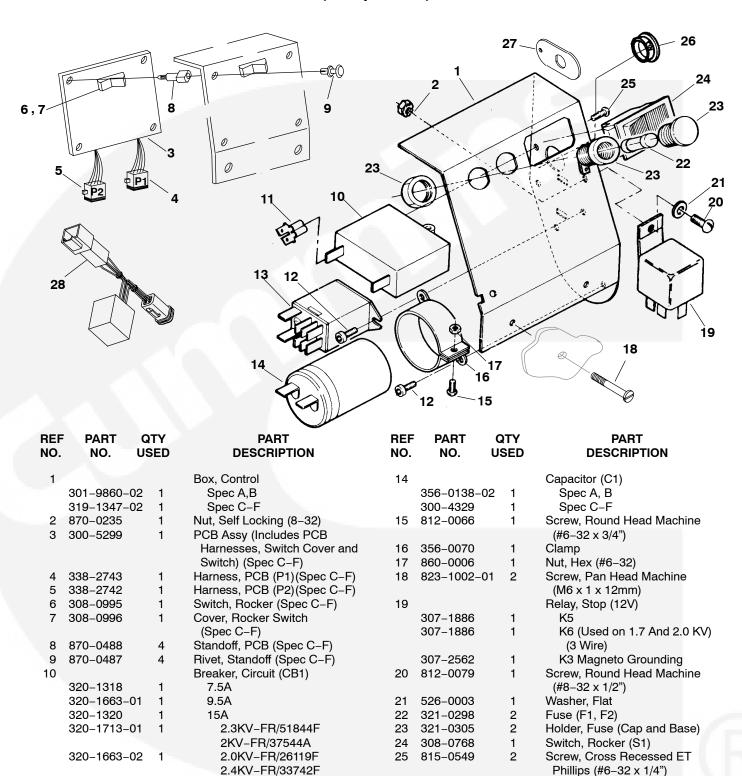
#### Generator



#### Generator

REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0669	1	Bolt, Rotor Thru (3/8–16NC x 3.50")	12			Rotor, Generator (Includes Bearing and Collector Ring)
2 3	526-0392	1	Washer, Fan Hub Hub Assy, Fan (Includes				KV 60Hz
Ū			Magnet & Rivets)		201-3606-S	1 1	Spec A-B
			ΚΫ		201-3606-0	2 1	Spec C-H
	134-4531	3	Insert		201-3606-0	3 1	Begin Spec J
	823-0003-0	3 3	Screw, Socket Drive				50Hz
			Pan Head (M6 x 20mm)		201-3606-0	1 1	Spec A-B
	205-0206-S	0 1	Begin Spec C		201-3606-0	2 1	Spec C-E
	205-0206-S	0 1	KVC, KVD				Spec F-G
4	823-0003-0	4 10	Screw, Pan Head				33742 & 51894
			Trox Thread Forming		201-3606-0	3 1	Begin Spec F
			(M6 x 1 x 25mm)				KVC
5	740–1004	10	Washer, Flat (M6) (KV Begin				60Hz
			Spec J, KVC Begin		201-3606-0	3 1	Begin Spec A
_	500 0400		Spec B, KVD)				KVD
6	509-0420	1	O'Ring (Supersedes 509–0196)		004 0000 0	0 1	60Hz and 50Hz
7	510-0185	1	Bearing, Ball	10	201-3606-0	3 1 1	Begin Spec A
8			Stator, Generator KV	13	307–2659	ı	Solenoid, Throttle Closing (Includes Nut and Washer)
			60Hz				(K4) (KV)
	220-4125-S	1 1	Spec A-H	14	740-1004	1	Washer, Flat (M6) (KV
	220-4125-0		Begin Spec J	'-	7-10-100-	'	Spec A-H)
	220 4120 0		50Hz	15	307-2655-0	2 1	Bracket, Solenoid (KV)
	220-4125-0	3 1	Spec A-E	16	007 2000 0	- '	Housing, Stator
	220 1120 0		Spec F-G 33742				KV
			& 51844				Spec A-H
	220-4125-0	4 1	Spec F-H		220-4595-0	1 1	100V, 120V, 220V
	220-4125-0	8 1	Begin Spec J		220-4595-0	2 1	230V
			KVC		220-4595-0	2 1	Spec J-L KVC,
			60Hz				Spec B KVD
	220-4125-0	6 1	Spec A				(64mm)
	220-4125-S	7 1	Begin Spec B	17	520-2037	6	Stud, Generator Mounting
			KVD	18	870-0212	1	Nut, Hex Flange Locking
			60Hz				(1/4-20) (KV Spec A)
	220-4125-0	7 1	Spec A	19	402-0547	1	Isolator, Vibration (KV Spec A)
	000 440= =		50Hz	20	166-0816-S	0 1	Assy, Magnet
•	220-4125-0		Begin Spec B				
9	232–3311	2	Cap, Terminal (Black)	@-	Parts Included	l in Spec	A-B Fan Hub Assy
10	232–3312	2	Cap, Terminal (Natural)	<u>w</u> -	i aits illoiddet	a iii Opec	A Dialillub Assy
11	515-0289	1	Key, Fan Hub				

## Control (KV Spec A-F)



Plug, Hole

Plate, Circuit Breaker (Used

Transformer Assy (100V Sets)

Spec 51844 Spec A-F)

with 320-1713-01

1

1

1

26

27

28

517-0135

302-2032

319-1675-02

320-1322

332-1571

307-2594

823-0001-01

11

12

13

25A

1

4

1

Terminal, Tab Adapter

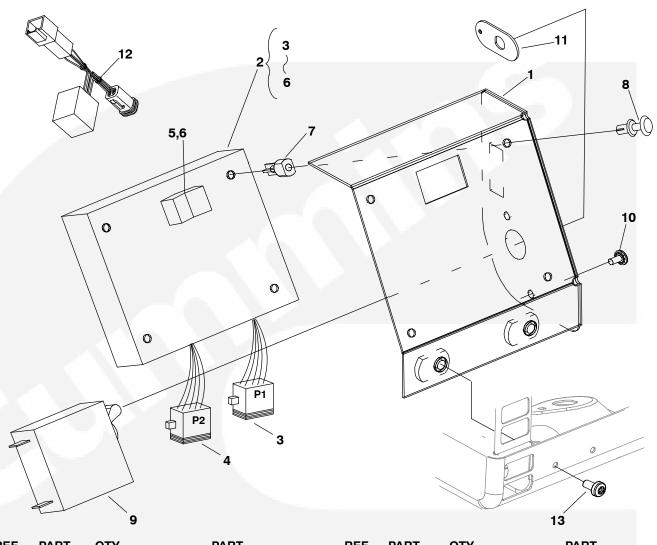
Screw, Socket Drive Pan Head

Relay, Start Disconnect (K2)

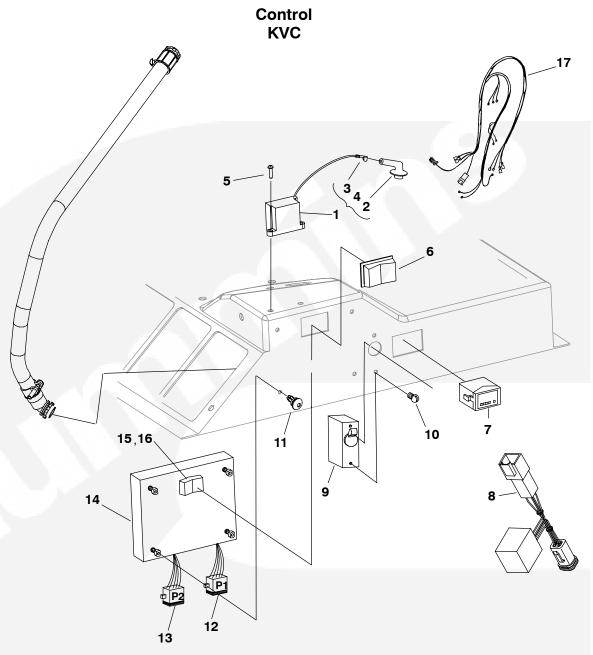
(Used on 2.8 KV)

(M3 x 6MM)

## Control (KVD and KV Begin Spec G)

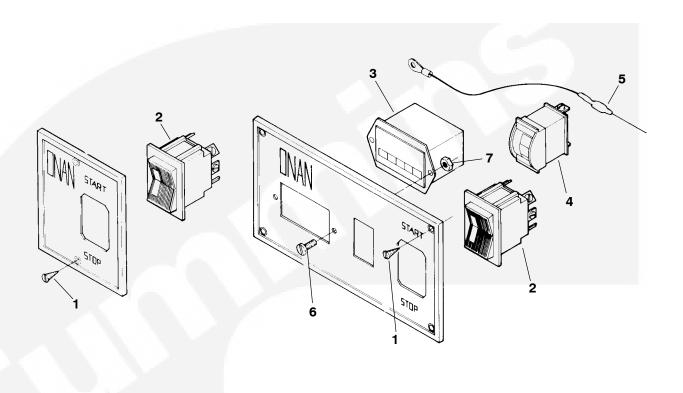


		9					13
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 2	319-1347-0 300-5299	)2 1 1	Box, Control PCB Assy (Includes PCB	10	815-0549	2	Screw, Cross Recessed ET Phillips (#6-32 x 1/4")
			Harnesses, Switch Cover Label and Switch)	11	319–1675–0	2 1	Plate, Circuit Breaker (Used with 320-1713-01
3	338-2742	1	Harness, PCB (P2)Obsolete	12	302-2032	1	Transformer Assy (100V Sets)
4	338-2743	1	Harness, PCB (P1)	13	815-0578	2	Screw, Pan Head Torx
5	308-0995	1	Switch, Rocker (S1)				(M6 x 1 x 12mm)
6	308-0996	1	Cover, Rocker Switch				
7	870-0488	4	Standoff, PCB				
8	870-0487	4	Rivet, Standoff				
9			Breaker, Circuit				
	320-1663-0	02 1	10 Amps 2.3KVFR33742 2KVFR26119				
	320-1713-0	)1 1	10 Amps 2.3KVFR51844				
	320-1322	1	25 Amps 2.8KV FA26100,FR11351 FA11574 2.5KVFR11540				



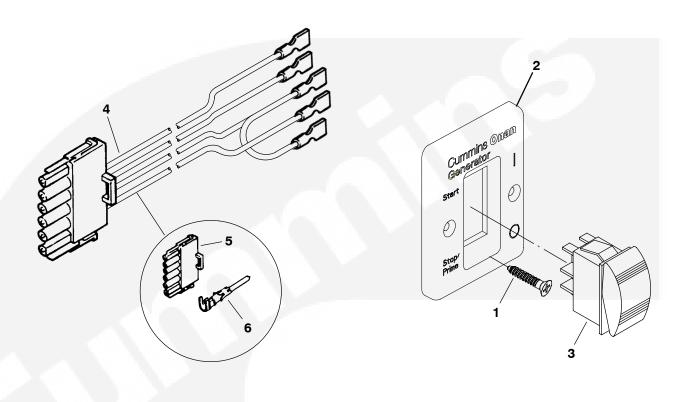
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	166-0784-S0	1	Coil Assy, Ignition (Includes				Recessed (#6-32 x 1/4")
			Lead, Boot and Terminal)	11	870-0487	4	Rivet, Standoff
2	167-0265	1	Boot, Spark Plug	12	338-2743	1	Harness, PCB (P1)
3	167-0267	1	Terminal, Spark Plug	13	338-2742	1	Harness, PCB (P2)Obsolete
4	166-0779	1	Coil, Ignition	14	300-5299	1	PCB, Control (Includes
5	823-0002-04	4	Screw, Pan Head Torx Thread Form (M4 x 0.7 x 12mm)				PCB Harnesses, Switch Cover and Switch)
6	308-0949	1	Cover, Switch	15	308-0995	1	Switch, Rocker
7	302-2002	1	Meter, Hour	16	308-0996	1	Cover, Rocker Switch
8	302-2032	1	Transformer Assy (100V Units)	17	338-3844	1	Harness, AC Output
9 10	320–1322 815–0549	1 2	(Reaches from Control PCB to Genset [J2] Harness) Breaker, Circuit (25A) Screw, Pan Head Cross	* _	Marked Items	s For Refe	rence only Not For Sale

## Remote Panel (KV Spec A-E)



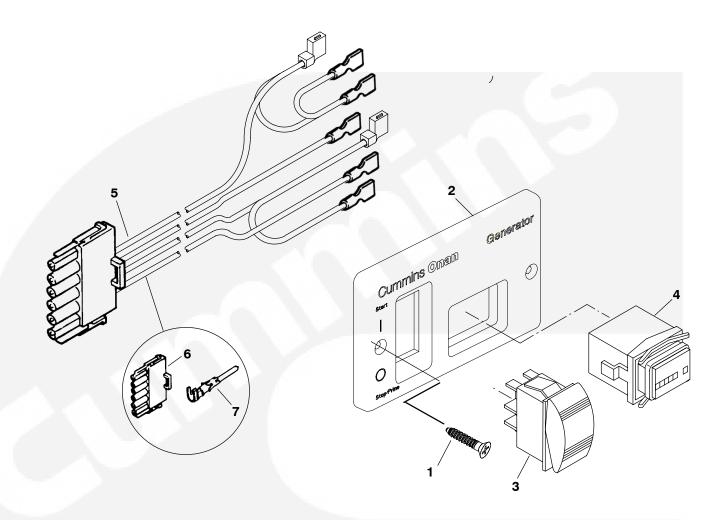
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Screw, Oval Head Cross	4	302-0888	1	Meter, Battery Condition (M1)
			Recessed Wood (#5 x 1/2")	5	359-0034	1	Diode Obsolete
	815-0380	2	Standard Control	6	815-0385	2	Screw, Round Head Machine
	815-0380	4	Deluxe Control				(#6-32 x 1/2")
2	308-0341	1	Switch, Rocker (S1)	7	860-0006	2	Nut, Hex Head (#6-32)
3	302-0885	1	Meter, Hour (M2)				

## Remote Switch Panel (KV Begin Spec F)



 EF O.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4936	1	Kit, Remote Switch Panel	4	338-3510	1	Harness, Remote Panel
1	815-0910	2	Screw, Wood (#6 x 1")				(Includes Plug and Pins)
2	319-6987-01	1	Panel, Printed	5	323-1304	1	Plug, 6-Pin
3	308-1062	1	Switch, Rocker	6	323-1199	4	Pin, Contact

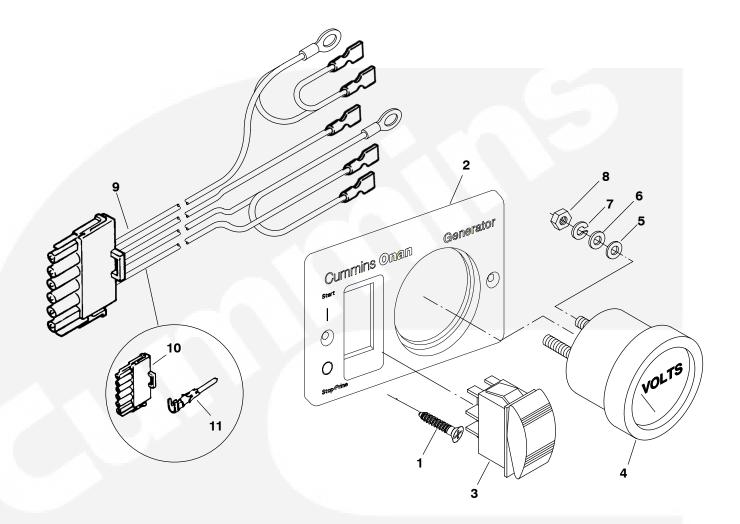
### Remote Switch/Hourmeter Panel



RE NO		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4937	1	Kit, Remote Switch/Hourmeter Panel	4 5	302–2002 338–3466	1 1	Hourmeter Harness, Remote Panel
1 2 3	815-0910 319-6988-03 308-1062	2 3 1 1	Screw, Wood (#6 x 1") Panel, Printed Switch, Rocker	6 7	323-1304 323-1199	1 4	(Includes Plug and Pins) Plug, 6-Pin Pin, Contact

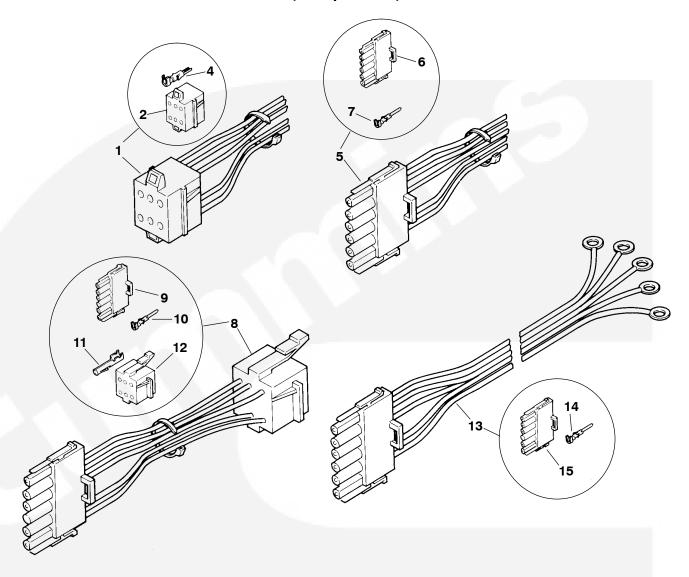
55

#### **Remote Switch/Voltmeter Panel**



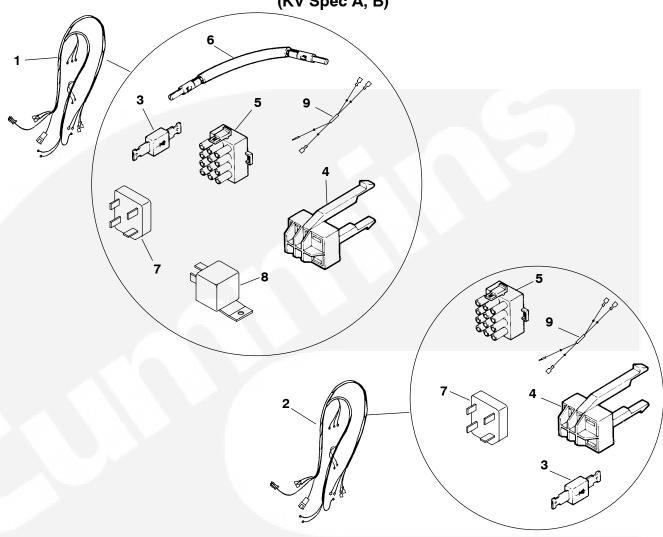
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4938	1	Kit, Remote Switch/Voltmeter	7	850-0030	2	Washer, Lock (#10)
			Panel	8	871-0010	4	Nut, Hex Brass Machine
1	815-0910	2	Screw, Wood (#6 x 1")				(#10-32)
2	319-6989-02	1	Panel, Printed	9	338-3507	1	Harness, Remote Panel
3	308-1062	1	Switch, Rocker				(Includes Plug and Pins)
4	302-1641	1	Voltmeter	10	323-1304	1	Plug, 6-Pin
5	526-0409	2	Washer, Nylon Flat (#10)	11	323-1199	4	Pin, Contact
6	526-0049	4	Washer, Brass Flat (#10)				
			, ,				

### Remote Wiring Harness (KV Spec A-E)



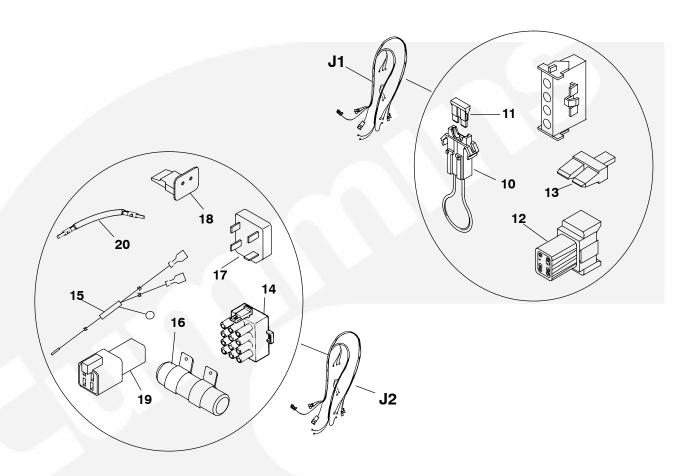
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1082	1	Harness, 6" Wiring (Includes	12	323-0440	1	~Housing, Connector (6 Place)
			Parts Marked *)	13			Harness, Wiring (Includes Parts
2	323-0500	5	*Pin, Contact				Marked &)
3	332-0942	1	+*Tie, Cable		338-2260-	-01 1	Ten Foot
4	323-0400	1	*Housing, Connector (6 Place)		338-2260-	-02 1	Thirty Foot
5	338-2046	1	Harness, 6" Wiring (Includes	14	323-1199	5	&Pin, Contact
			Parts Marked +)	15	323-1304	1	& Housing, Connector (6 Place)
6	323-1304	1	+ Housing, Connector (6 Place)				(J2)
7	323-1199	5	+Pin, Contact				` ´
8	338-2137	1	Harness, 6" Wiring (Includes				
			Parts Marked ~)				-1082 Wiring Harness.
9	323-1304	1	~Housing, Connector (6 Place)				-2046 Wiring Harness.
10	323-1199	5	~Pin, Contact				-2137 Wiring Harness.
11	323-0488	5	~Socket, Connector	& –	Parts Includ	ed in 338	–2260–01 & –02 Wiring Harness.

#### Generator Harness (KV Spec A, B)



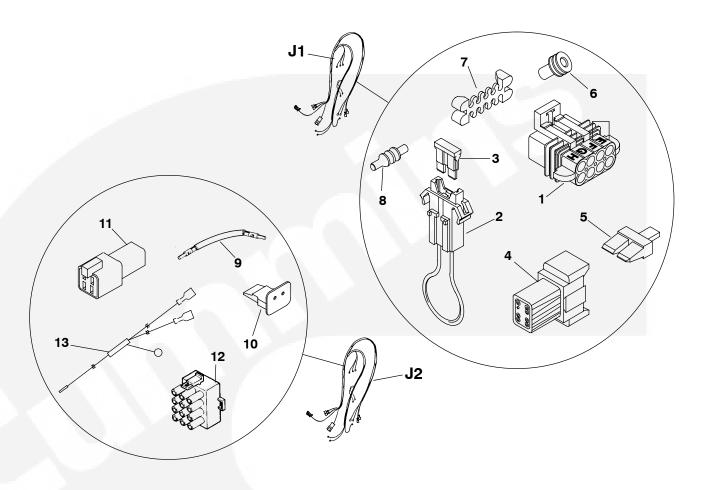
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USE	= = == = =
1			Harness, Generator		304-0805-01	1	Spec 29236
			Gasoline Sets (Includes Parts Marked *)	7	307–1886	1	+*Relay (LP=K3) (Gasoline=K5)
	338-2441-01	1	Spec 29236	8	307-2562	1	*Relay (Gasoline=K3)
	338-2441-02	1	Spec 33742, 37544A	9			Harness, Wiring Z1 (DC)
	338-2615-02	1	Spec 37544B		338-2614	1	+ LP Units Z2 (DC)Obsolete
	338-2210	1	Spec 26100		338-2208	1	* Gasoline Units
2			LP Sets (Includes Parts		338-2613	1	+ LP Units Obsolete
			Marked +)		338-2618	1	* Z3 (Spec 37544B Only)
	338-2731	1	Spec 26119				<b>Z</b> 4
	338-2591	1	Spec 26120		338-2440	1	+* Spec 29236, 33742,
3	357-0030	2	+*Rectifier, Silicon (CR1, CR2)				37544A, 26119 Obsolete
4	323–1443	1	+*Socket, Relay (8 Pin) (K2) Obsolete		338–2617	1	* Spec 37544B
5	323-1314	1	+*Plug, Connector (12 Pin) (P1)				oline Generator Harness.
6			*Resistor, Fixed (P1-4 to P1-5) (Includes Sleeving & Sockets)	+ -	Parts Included	in LP (	Generator Harness.

#### Generator Harness (KV Spec C-E)



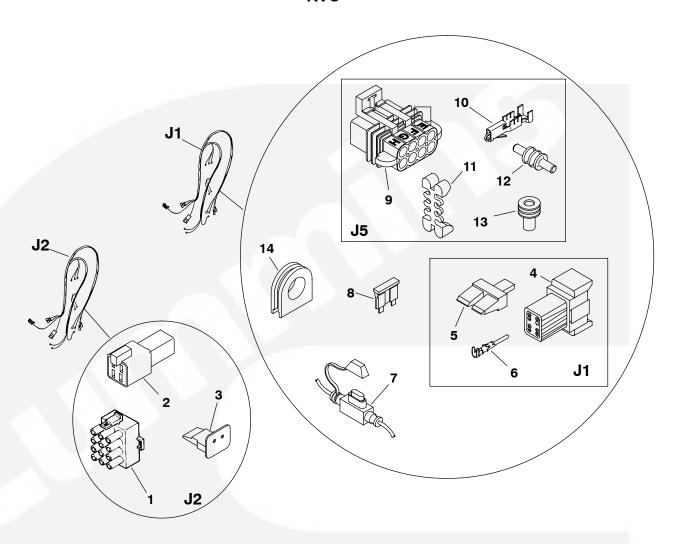
555	DADT	OT)	DADT	DEE	DADT	OT)/	DADT
REF		QTY	PART	REF		QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
			Harness, Generator		338-2740	1	Z1
			J1 (Includes Parts Marked *)				Z4
	338-2741	1	Spec 11351, 26100,		338-2763	1	Spec 26119, 33742
			26119, 26120, 33742,		338-2773	1	Spec 51844
			2089A	16	304-0821	1	+Resistor (R1)
	338-2771	1	Spec 51844 J2 (Includes	17	305-0935	1	+ Rectifier, Bridge (CR1)
			Parts Marked +)	18	323-1547	1	+Wedge, Receptacle (J2)(4 Pin
	338-2739	1	Spec 26100, 26120	19	323-1549	1	+Socket, Receptacle (J2)
	338-3263	1	Spec 11351	20			+Resistor, Fixed (P3-1 P3-5)
	338-2762	1	Spec 26119, 33742				(Includes Sleeving & Sockets
	338-2772	1	Spec 51844		304-0805-02	1	Spec 51844 (J4-4 to J4-5)
10	321-0312-S1	1	*Fuse Assy, 5A (F1) (Includes				Spec 26199, 33742
			Fuse)				(P3-4 to P3-5)
11	321-0307-03	1	*Fuse, 5A (F1)		304-0805-04	1	Spec 11351 (P3-1, P3-5)
12	323-1542	1	*Receptacle (8 Pin) (J1)				
13	323-1544	1	*Wedge, Receptacle (8 Pin) (J1)				_
14	323–1314	1	*Plug, Connector (12 Pin) (P3)				Generator Harness. Generator Harness.
15			+ Harness, DC				

## Generator Harness (KV Begin Spec F)



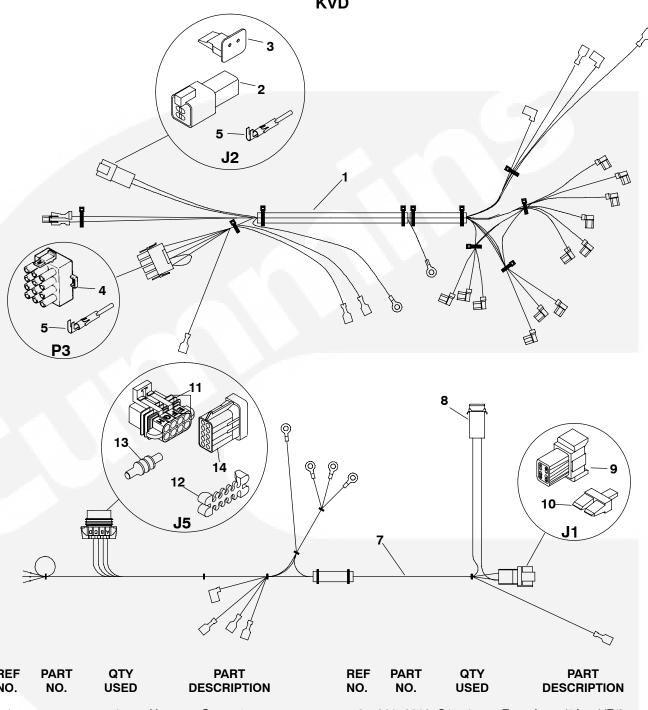
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Harness, Generator J1 (Includes Parts Marked *)	5 6	323-1544 323-1708	1 4	*Wedge, Receptacle (8 Pin) (J1) *Seal, Cable (J5)
	388-3628	1	Špec 11351, 11540,	7	323-1741	1	*Housing, Lock (J5)
			26100, 26119, 26120,	8	323-1712	6	*Plug, Cavity (J5)
			33742	9	304-0805-05	1	+Resistor (R1)
	338–3528	1	Spec 51844 Obsolete				Spec 11351, 11540
	338-3672	1	Spec 11574 Obsolete				(P3-1, P3-5)
			J2 (Includes Parts Marked +)				Spec 51844, 26119, 33742
	338-3607	1	Spec 51844				(P3-4, P3-5)
	338-3549	1	Spec 11351, 11540	10	323-1547	1	+Wedge, Receptacle (4 Pin) (J2)
	338-3574	1	Spec 26119, 33742	11	323-1549	1	+Socket, Receptacle (J2)
	338–3550	1	Spec 11574, 26100, 26120	12 13	323–1314	1	+Plug, Connector (12 Pin) (P3) +Harness, DC
	338-4320	1	Begin Spec L		338-2740	1	Z1
1	323-1743	1	*Connector, Plug (8 Pin) (J5)		338-2773	1	Z4 (Spec 51844 Only)
2	321-0312-S1	1	*Fuse Assy, 5A (F1) (Includes Fuse)				
3	321-0307-03	1	*Fuse, 5A (F1)				Generator Harness.
4	323-1542	1	*Receptacle (8 Pin) (J1)	+ -	Parts Included	in (J2) (	Generator Harness.

## Generator Harness KVC



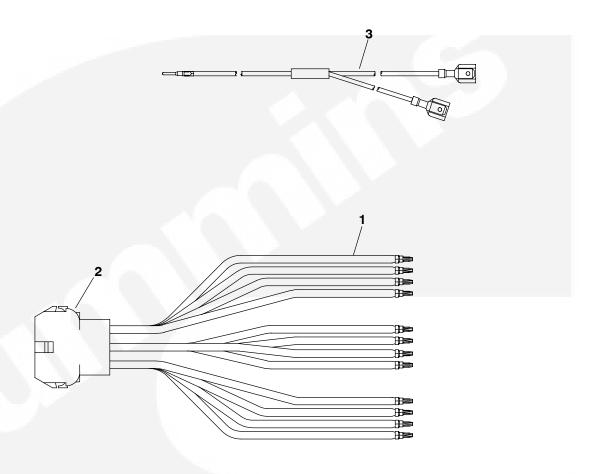
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	220 2040		Harness, Generator	9	323-1743	1	+Connector, Plug (J5) (Pin)
	338–3842	ı	J1 (Includes Parts Marked +) J2 (Includes Parts Marked *)	10 11	323–1709 323–1741	4	+Terminal, Socket (J5) +Housing, Lock (J5)
	000 0040		120V Units			1	
	338–3843	!		12	323–1712	4	+Plug, Cavity (J5)
	338-3846	1	100V Units	13	323-1708	4	+Seal, Cable (J5)
1	323-1314	1	*Plug, Connector (P3) (12 Pin)	14	508-0095	1	+ Grommet
2	323-1549	1	*Socket, Receptacle (J2)				
3	323-1547	1	*Wedge, Receptacle (J2) (4 Pin)				
4	323-1542	1	+Receptacle (J1) (8 Pin)				Genset Harness.
5	323-1544	1	+Wedge, Receptacle (J1) (8 Pin)	* _	Parts Include	d in (J2)	Genset Harness.
6	323-1491	8	+Terminal, Pin (J1)				
7	321-0325	1	+Holder, Fuse (F1)			1: 000	0.400.14//: 1.1
8	321-0307-03	1	+Fuse (5A) (F1)	* _	Parts Include	a in 338-	-2428 Wiring Harness

#### Generator Harness KVD



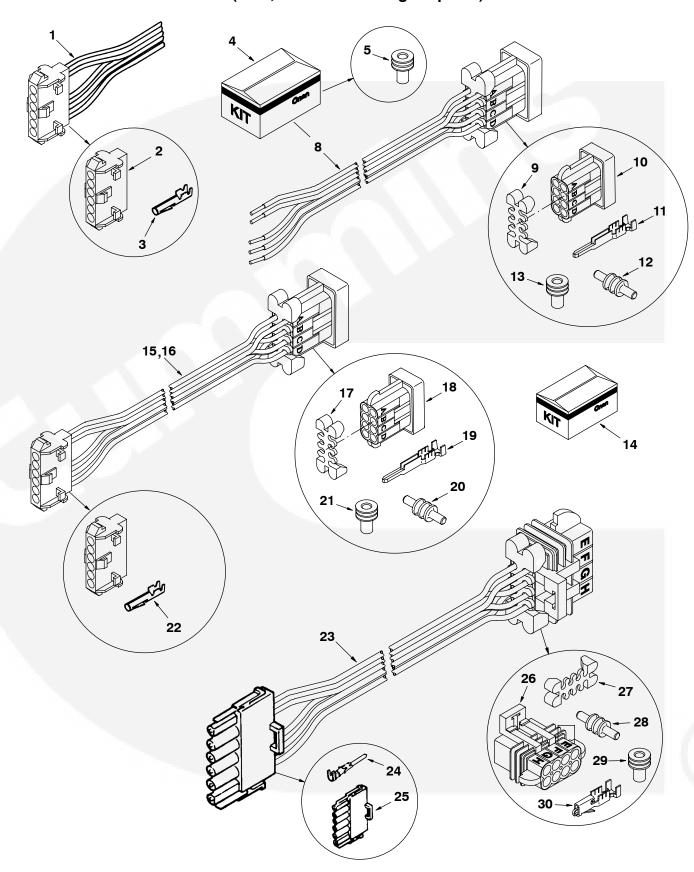
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1		1	Harness, Generator	8	321-0312-S1	1	+Fuse Assy, (5Amp)(F1)
			(Included with Harness*)	9	323-1542	1	+Receptacle (8 Pin)
	338-4070	1	Spec A	10	323-1544	1	+Wedge, Receptacle (8 Pin)
	338-4381	- 1	Begin Spec B	11	323-1743	1	+Connector, Plug (8 Pin)(J5)
2	323-1549	1	*Socket, Receptacle	12	323-1741	1	+Housing, Lock
3	323-1547	1	*Wedge, Receptacle (4 Pin)	13	323-1712	1	+Plug, Cavity
4	323-1314	1	*Plug, Connector (12 Pin)	14	323-1709	1	+Terminal, Socket
5	323-1491	AR	*Terminal, Pin				
6	332-2571	AR	*Terminal, Receptacle (25 x 90)				
7			Harness, Generator-AC				
	338-3628	1	Spec A				
	338-4320	1	3729A and Begin Spec B				

#### **PCB Harness**



REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1 2	323–1315 323–1199	1 2	Cap, Connector (12 Pl) Pin, Contact	3	338-3843	1	Harness, Wiring (Z1)(Includes Parts Marked #)(KVC)

# Remote Wiring Harness (KVC, KVD and KV Begin Spec F)



64

# Remote Wiring Harness (KVC, KVD and KV Begin Spec F)

REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3572	1	Harness, Adapter (Pigtail		338-3489-0	2 1	30 Feet
			at Control Panel)	17	323-1741	1	<@Lock, Housing (8 Pin)
			(Includes Parts Marked *)	18	323-1744	1	<@Connector, Receptacle (8 Pin)
			(Use With Gasoline and	19	323-1707	5	@Pin, Terminal
			LP Kits 300-4936,	20	323-1712	3	<@Plug, Cavity
			300-4937,& 300-4938)	21	323-1708	5	<@Seal, Cable
2	323-1342	1	*Housing, Terminal	22	323-1200	5	<@Socket, Contact
3	323-1200	5	*Socket, Contact	23	338-3514	1	Harness, Adaptor (6 Inches)
4	305-0979	1	Kit, Remote Adapter				(For Sets Prior to Spec F)
			(Pigtail at Genset End)				(Include Parts Marked ~)
		1	(Includes Parts Marked ^)	24	323-1199	5	~Pin, Contact
5	323-1708	2	^Seal, Cable	25	323-1304	1	~Housing, Connector (6 Place)
6	332–3582	5	^Splice, Thermal (Not Shown)	26	323-1743	1	~Connector, Plug (8 Pin)
7	C-571	1	^Sheet, Instruction (Not Shown)	27	323-1741	1	~Lock, Housing (8 Pin)
8	300-4946	1	^Harness, Remote (Includes	28	323-1712	3	~Plug, Cavity
			Parts Marked #)	29	323-1708	5	~Seal, Cable
9	323-1741		#Lock, Housing (8 Pin)	30	323-1709	5	~Socket, Terminal
10	323-1744	1	#Connector, Receptacle (8 Pin)				
11	323-1707	5	#Pin, Terminal				
12	323-1712	3	#Plug, Cavity				38-3572 Adapter Harness.
13	323-1708	5	#Seal, Cable				05-0979 Remote Adapter Kit.
14	0305-0980	1	Kit, Remote Adapter	• • • • • • • • • • • • • • • • • • • •			00-4946 Remote Harness.
			(Lead Assemblies)	@ –			38-3513 Adapter Harness.
15	338–3513	1	Harness, Adaptor (6 Inches)	< -			38–3489–01 & –02 Remote Harness.
			(New Set to Old Panel)	~ -	Parts Include	ed in 33	38-3514 Adapter Harness.
			(Includes Parts Marked @)				
16			Harness, Remote (Includes				
			Parts Marked <)				
	338-3489-0	)1 1	10 Feet				

#### **Labels and Paint**

REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98-8718	1	Label, Logo		98-6569-03	1	2500
	98-8764	1	Label, Logo		30-0303-00	'	KVD
	98-5759	2	Label, Warning (Hazardous Voltage) (KV, KVD)		98-8816	1	Label, Listed (White, KVD 2.5 and 2.8)
			Label, Rating (Amp) (KV)		98-7997-01	1	Label, Logo (2500)
	98-5820	1	Label, Warning (Noxious		98-7997-02		Label, Logo (2800)
			Fumes) (KV)		98-7997-03		Label, Logo (2000)
	98-5926	1	Label, Barcode (KVC and KVD)		98-7997-04		Label, Logo (2300)
			Label, Amp Rating (KV)		98-6388-02	1	Label, Phone Info
	98-5976-03	1	25A (KVD 2.0 and 2.3)		98-8052	1	Label, Warning (Substances)
	98-5976-04	1	9.5A		98-7494-01	1	Label, Listed (KVD)
	98-5976-06	1	10A (Begin Spec F and KVD 2.0 and 2.3)		98-7639	1	Label, Warning (Install, Hazardous Volt/Exhaust
	98-5976-03	1	Label, Amp Rating (25 Amp)				Gasoline)(KVC)
			(KVD)		98-7927	1	Label, Warning (Install)(KVD)
	98-6074-02	1	*Label, Warning (Substances)		525-0305	AR	Paint, Green Enamel (13 oz.
	98-6308	1	Label, Air Filter (All Units)				Pressurized Spray Can)
	98–6313	1	Label, AC Notice (2.8) (KV) (Gasoline)		518-0452 98-6569-06	AR 1	Sealant, Thread (50 cc Bottle)
	98-6448	1	Label, Control (KVD)		98-6569-07	1	Gasoline
	543-0018-02	2 1	*Label, Ground (All Units)				
	98-6569-01	1	2000				
	98-6569-04	1	2800				
	98-6569-05	1	2300	* –	Parts Sold in I	Kit Only	
	98-6569-05	1	2800				
			KV LP				
	98-6569-02	1	2000				

Part No. Page	Part No. Page	Part No. Page	Part No. Page
098–5759, <b>67</b>	140–2144, <b>48</b>	150–2396, <b>12</b>	155–2771, <b>35</b>
098–5820, <b>67</b>	140–2978, <b>17</b> , <b>20</b> , <b>22</b>	150-2448, <b>12</b>	155–2772, <b>35</b>
098–5926, <b>67</b>	140–2979, <b>17</b> , <b>20</b> , <b>22</b>	150–2449–02, <b>12</b>	155-2953, <b>31</b> , <b>32</b> , <b>33</b> , <b>34</b>
098–5976–03, <b>67</b>	140–2980, <b>17</b> , <b>20</b> , <b>22</b>	150-2450-02, <b>12</b>	155–3312, <b>33</b>
098-5976-04, <b>67</b>	140–2981, <b>17</b> , <b>20</b> , <b>22</b>	150-2514, <b>12</b>	155–3313, <b>33</b>
098-5976-06, <b>67</b>	145-0589, <b>17</b> , <b>20</b> , <b>21</b> , <b>22</b>	151–0700, <b>12</b>	155–3314, <b>33</b>
098-6074-02, <b>67</b>	146–0540, <b>18</b>	153-0554, <b>13</b>	155–3315, <b>33</b>
098–6308, <b>67</b>	146–0569, <b>18</b>	153–0595, <b>13</b>	155–3343–01, <b>33</b>
098-6313, 67	146–0705, <b>17</b>	153–0596, <b>13</b>	155–3343–02, <b>33</b>
098–6388–02, <b>67</b>	146–0721, <b>20</b>	153–0598, <b>13</b>	155–3435–01, <b>32</b>
098–6448, <b>67</b>	146-0753, <b>20</b>	153–0599, <b>13</b>	155–3435–02, <b>32</b>
098-6569-01, <b>67</b>	146–0760, <b>20</b>	153–0600, <b>13</b>	155–3436–01, <b>31</b> , <b>32</b>
098-6569-02, <b>67</b>	146–0770, <b>20</b>	153–0602, <b>13</b>	155–3436–02, <b>31</b> , <b>32</b>
098–6569–03, <b>67</b>	146–0801, <b>20</b>	153–0604, <b>13</b>	155–3541, <b>41</b>
098–6569–04, <b>67</b>	146-0840, <b>20</b> , <b>22</b>	153-0605-02, <b>13</b>	155–3557–02, <b>34</b>
098–6569–05, <b>67</b>	146-0841, <b>22</b>	153–0609, <b>13</b>	155–3562, <b>34</b>
098–6569–06, <b>67</b>	146–0861, <b>21</b>	153–0610, <b>13</b>	160-1358-S0, <b>47</b>
098–6569–07, <b>67</b>	148-0932-02, <b>20</b>	153–0611, <b>13</b>	166–0779, <b>53</b>
098–7494–01, <b>67</b>	148–0963, <b>20</b>	153–0640, <b>14</b> , <b>15</b>	166-0784-S0, <b>36</b> , <b>37</b> , <b>53</b>
098–7639, <b>67</b>	148–1012, <b>20</b>	153–0645, <b>14</b>	166-0816-S0, <b>50</b>
098–7927, <b>67</b>	148–1124–02, <b>20</b>	153–0647–02, <b>14</b>	167–0263–02, <b>10</b>
098-7997-01, <b>67</b>	148–1125, <b>20</b>	153-0651-02, <b>14</b> , <b>15</b>	167–0265, <b>36</b> , <b>37</b> , <b>53</b>
098–7997–02, <b>67</b>	148–1261–02, <b>22</b>	153–0659, <b>14</b> , <b>15</b>	167–0267, <b>36</b> , <b>37</b> , <b>53</b>
098-7997-03, <b>67</b>	148–1267–02, <b>22</b>	153-0691-02, <b>15</b>	167–1636, <b>25</b> , <b>27</b>
098–7997–04, <b>67</b>	148–1284, <b>22</b>	153–0692–02, <b>15</b>	185–2366, <b>12</b>
098–8052, <b>67</b>	149–2120, <b>25</b>	153–0693, <b>15</b>	185–2731, <b>9</b>
098–8718, <b>67</b>	149–2137, <b>16</b>	154–2746, <b>34</b>	185–2914, <b>9</b>
098–8764, <b>67</b>	149–2140, <b>25</b>	154–3214, <b>21</b>	185–3077, <b>11</b>
100–4050, <b>7</b> , <b>21</b>	149–2300, <b>25</b>	155–1239, <b>35</b>	185–3078, <b>11</b>
102–1367, <b>11</b>	149–2327, <b>25</b>	155–1256, <b>33</b> , <b>34</b> , <b>35</b>	185–3085, <b>8</b>
123–2044, <b>10</b>	149–2331–03, <b>29</b>	155–2174, <b>35</b>	185–3088, <b>8</b>
123–2129, <b>10</b> , <b>22</b>	149–2524, <b>27</b>	155–2233–02, <b>31</b>	185–3175, <b>7</b>
134–4531, <b>50</b>	149–2615, <b>25</b>	155–2301–02, <b>31</b>	185–3245, <b>18</b>
134–4635, <b>48</b>	149–2633, <b>16</b> , <b>17</b>	155–2322, <b>35</b>	185–3365, <b>8</b>
134–4636–01, <b>10</b>	149–2636, <b>16</b>	155–2323, <b>35</b>	185–3366, <b>8</b>
134–4637, <b>47</b>	150–2286, <b>12</b>	155–2324, <b>35</b>	185–3367, <b>8</b>
134-4647-S1, <b>48</b>	150–2302, <b>9</b>	155–2325, <b>35</b>	185–3368, <b>8</b>
134–4648, <b>48</b>	150–2305, <b>9</b>	155–2425, <b>35</b>	185–3369, <b>8</b>
140–2105, <b>48</b>	150–2394, <b>12</b>	155–2449, <b>30</b>	185–3370, <b>8</b>
140–2137, <b>48</b>	150–2395, <b>12</b>	155–2665, <b>35</b>	185–3371, <b>8</b>

Part No. Page	Part No. Page	Part No. Page	Part No. Page
185–3389, <b>9</b>	185–5116, <b>8</b>	185–5173, <b>18</b>	201–3606–03, <b>50</b>
185–3392, <b>9</b>	185–5117, <b>8</b>	185–5174, <b>18</b>	201-3606-S1, <b>50</b>
185–3393, <b>9</b>	185–5118, <b>8</b>	185–5175, <b>18</b>	205–0206, <b>50</b>
185–3394, <b>9</b>	185–5119, <b>11</b>	185–5176, <b>18</b>	205-0206-S0, <b>50</b>
185–3395, <b>9</b>	185–5120, <b>11</b>	185–5177, <b>18</b>	211–0450, <b>47</b>
185–3396, <b>9</b>	185–5121, <b>11</b>	185–5178, <b>18</b>	211–0486, <b>47</b>
185–3397, <b>9</b>	185–5122, <b>11</b>	185–5179, <b>18</b>	211–0527, <b>47</b>
185–3398, <b>9</b>	185–5123, <b>11</b>	185–5180, <b>18</b>	212–1276–03, <b>47</b>
185–3399, <b>9</b>	185–5124, <b>11</b>	185–5181, <b>18</b>	212-1285-S0, <b>47</b>
185–3416, <b>8</b>	185–5125, <b>11</b>	185–5182, <b>18</b>	214-0103, <b>47</b>
150–2275, <b>9</b>	185–5126, <b>11</b>	185–5183, <b>18</b>	220–4125–03, <b>50</b>
185–3674, <b>9</b>	185–5127, <b>17</b> , <b>20</b>	185–5184, <b>18</b>	220–4125–04, <b>50</b>
185–3675, <b>9</b>	185–5128, <b>17</b>	185–5185, <b>18</b>	220–4125–06, <b>50</b>
185–3730, <b>7</b> , <b>10</b>	185-5129, <b>17</b> , <b>20</b> , <b>22</b>	185–5186, <b>18</b>	220–4125–07, <b>50</b>
185–3761, <b>8</b>	185–5134, <b>17</b> , <b>20</b>	185–5193, <b>7</b>	220–4125–08, <b>50</b>
185–4498, <b>12</b>	185–5135, <b>17</b> , <b>22</b>	185–5194, <b>7</b>	220-4125-S1, <b>50</b>
185–4499, <b>12</b>	185–5136, <b>17</b>	185–5195, <b>7</b>	220-4125-S7, <b>50</b>
185–4547, <b>8</b>	185–5137, <b>17</b> , <b>22</b>	185–5196, <b>7</b>	220–4144–02, <b>50</b>
185–4551, <b>9</b>	185–5138, <b>17</b> , <b>22</b>	185–5198, <b>7</b>	220-4595-01, <b>50</b>
185–4558, <b>18</b>	185–5139, <b>17</b>	185–5199, <b>7</b>	220–4595–02, <b>50</b>
185–4563, <b>18</b>	185–5145, <b>12</b>	185–5200, <b>7</b>	232–3278, <b>47</b>
185–5095, <b>7</b>	185–5148, <b>12</b>	185–5201, <b>7</b>	232–3311, <b>50</b>
185–5096, <b>7</b>	185–5149, <b>12</b>	185–5202, <b>7</b>	232–3312, <b>50</b>
185–5097, <b>7</b>	185–5150, <b>12</b>	185–5203, <b>7</b>	232–3720, <b>14</b> , <b>15</b>
185–5098, <b>31</b> , <b>32</b> , <b>33</b> , <b>34</b>	185–5151, <b>12</b>	185–5204, <b>7</b>	232–4008, <b>47</b>
185–5099, <b>7</b>	185–5152, <b>12</b>	185–5205, <b>7</b>	300-4329, <b>25</b> , <b>27</b> , <b>29</b> , <b>51</b>
185–5100, <b>9</b>	185–5156, <b>10</b>	185–5313, <b>7</b>	300–4936, <b>55</b>
185–5101, <b>9</b>	185–5157, <b>10</b>	185–5314, <b>18</b>	300–4937, <b>56</b>
185–5102, <b>9</b>	185–5158, <b>10</b>	185–6373, <b>9</b>	300–4938, <b>57</b>
185–5103, <b>9</b>	185–5159, <b>10</b>	185–6374, <b>9</b>	300–4946, <b>66</b>
185–5104, <b>9</b>	185–5160, <b>10</b>	185–6375, <b>9</b>	300-5299, <b>51</b> , <b>52</b> , <b>53</b>
185–5105, <b>9</b>	185–5163, <b>18</b>	185–6677, <b>12</b>	301-9860-02, <b>51</b>
185–5106, <b>9</b>	185–5164, <b>18</b>	185–6955, <b>12</b>	302–0885, <b>54</b>
185–5109, <b>8</b>	185–5165, <b>18</b>	185–6957, <b>12</b>	302–0888, <b>54</b>
185–5110, <b>8</b>	185–5166, <b>18</b>	185–7090, <b>12</b>	302–1641, <b>57</b>
185–5111, <b>8</b>	185–5167, <b>18</b>	185–7091, <b>8</b>	302–2002, <b>53</b> , <b>56</b>
185–5112, <b>8</b>	185–5168, <b>18</b>	185–7221, <b>12</b>	302–2032, <b>51</b> , <b>52</b> , <b>53</b>
185–5113, <b>8</b>	185–5169, <b>18</b>	191–2351, <b>47</b>	304–0796, <b>47</b>
185–5114, <b>8</b>	185–5170, <b>18</b>	201-3606-01, <b>50</b>	304–0797, <b>47</b>
185–5115, <b>8</b>	185–5172, <b>18</b>	201–3606–02, <b>50</b>	304-0805-01, <b>59</b>

Part No. Page	Part No. Page	Part No. Page	Part No. Page
304-0805-02, <b>60</b>	321–0325, <b>62</b>	338–2046, <b>58</b>	338–3628, <b>63</b>
304-0805-04, <b>60</b>	323–0400, <b>58</b>	338–2137, <b>58</b>	338–3672, <b>61</b>
304-0805-05, <b>61</b>	323-0440, <b>58</b>	338–2208, <b>59</b>	338–3842, <b>62</b>
304-0821, <b>60</b>	323–0488, <b>58</b>	338–2210, <b>59</b>	338–3843, <b>62</b> , <b>64</b>
305-0767-02, <b>36</b>	323–0500, <b>58</b>	338-2260-01, <b>58</b>	338–3844, <b>53</b>
305-0830-02, <b>36</b>	323–1199, <b>55</b> , <b>56</b> , <b>57</b> , <b>58</b> ,	338–2260–02, <b>58</b>	338–3846, <b>62</b>
305-0852, <b>36</b>	64, 66	338–2440, <b>59</b>	338–4070, <b>63</b>
305-0897, <b>29</b> , <b>36</b> , <b>37</b>	323–1200, <b>66</b>	338-2441-01, <b>59</b>	338–4320, <b>61</b> , <b>63</b>
305–0935, <b>60</b>	323–1304, <b>55</b> , <b>56</b> , <b>57</b> , <b>58</b> , <b>66</b>	338-2441-02, <b>59</b>	338–4381, <b>63</b>
305–0979, <b>66</b>	323–1314, <b>59</b> , <b>60</b> , <b>61</b> , <b>62</b> ,	338–2591, <b>59</b>	356-0070, <b>25</b> , <b>27</b> , <b>29</b> , <b>51</b>
307–1886, <b>51</b> , <b>59</b>	63	338–2613, <b>59</b>	356-0138-02, <b>51</b>
307–2562, <b>51</b> , <b>59</b>	323–1315, <b>64</b>	338–2614, <b>59</b>	357–0030, <b>59</b>
307–2570, <b>29</b>	323–1342, <b>66</b>	338–2615–02, <b>59</b>	359–0034, <b>54</b>
307–2586, <b>25</b> , <b>27</b>	323–1443, <b>59</b>	338–2617, <b>59</b>	370-0116-02, <b>33</b>
307–2594, <b>51</b>	323–1491, <b>62</b> , <b>63</b>	338–2618, <b>59</b>	388–3628, <b>61</b>
307–2655–02, <b>50</b>	323–1507, <b>25</b> , <b>27</b>	338–2731, <b>59</b>	402-0547, <b>38</b> , <b>40</b> , <b>41</b> , <b>50</b>
307–2659, <b>50</b>	323-1542, <b>60</b> , <b>61</b> , <b>62</b> , <b>63</b>	338–2739, <b>60</b>	402-0601-01, <b>38</b> , <b>40</b> , <b>41</b>
307–2961, <b>27</b>	323-1544, <b>60</b> , <b>61</b> , <b>62</b>	338–2740, <b>60</b> , <b>61</b>	402-0601-02, <b>38</b> , <b>40</b> , <b>41</b>
308-0341, <b>54</b>	323-1544 , 63	338–2741, <b>60</b>	402–0632, <b>40</b>
308–0768, <b>51</b>	323–1547, <b>60</b> , <b>61</b> , <b>62</b> , <b>63</b>	338–2742, <b>51</b> , <b>52</b> , <b>53</b>	403–2679–02, <b>45</b>
308–0949, <b>53</b>	323–1549, <b>60</b> , <b>61</b> , <b>62</b> , <b>63</b>	338–2743, <b>51</b> , <b>52</b> , <b>53</b>	403–2680–02, <b>45</b>
308-0995, <b>51</b> , <b>52</b> , <b>53</b>	323–1707, <b>66</b>	338–2762, <b>60</b>	403–2689, <b>45</b>
308-0996, <b>51</b> , <b>52</b> , <b>53</b>	323–1708, <b>61</b> , <b>62</b> , <b>66</b>	338-2763, <b>60</b>	403-4417-02, <b>7</b> , <b>21</b>
308–1059, <b>7</b>	323–1709, <b>62</b> , <b>63</b> , <b>66</b>	338–2771, <b>60</b>	403–4668–02, <b>45</b>
308–1062, <b>55</b> , <b>56</b> , <b>57</b>	323–1712, <b>61</b> , <b>62</b> , <b>63</b> , <b>66</b>	338–2772, <b>60</b>	405–3784, <b>42</b> , <b>43</b>
319-1347-02, <b>51</b> , <b>52</b>	323–1741, <b>61</b> , <b>62</b> , <b>63</b> , <b>66</b>	338–2773, <b>60</b> , <b>61</b>	405–3785, <b>25</b>
319–1675–02, <b>51</b> , <b>52</b>	323–1743, <b>61</b> , <b>62</b> , <b>63</b> , <b>66</b>	338–3263, <b>60</b>	405–3789, <b>42</b>
319-6987-01, <b>55</b>	323–1744, <b>66</b>	338–3466, <b>56</b>	405-3790-S0, <b>42</b> , <b>43</b>
319–6988–03, <b>56</b>	327-0923, <b>7</b> , <b>21</b> , <b>31</b>	338-3489-01, <b>66</b>	405–3794, <b>36</b>
319–6989–02, <b>57</b>	331–0521, <b>25</b> , <b>27</b>	338-3489-02, <b>66</b>	405–3796, <b>40</b>
320–1318, <b>51</b>	332–0942, <b>58</b>	338–3507, <b>57</b>	405–3797, <b>36</b>
320–1320, <b>51</b>	332–1356, <b>20</b>	338–3510, <b>55</b>	405–3816, <b>40</b>
320–1322, <b>51</b> , <b>52</b> , <b>53</b>	332–1420, <b>25</b> , <b>27</b>	338–3513, <b>66</b>	405–4321–02, <b>25</b>
320–1663–01, <b>51</b>	332–1571, <b>51</b>	338–3514, <b>66</b>	405–4323–02, <b>36</b>
320–1663–02, <b>51</b> , <b>52</b>	332–2571, <b>63</b>	338–3528, <b>61</b>	405–4326, <b>42</b>
320-1713-01, <b>51</b> , <b>52</b>	332–2897, <b>25</b> , <b>27</b> , <b>29</b>	338–3549, <b>61</b>	405–4328, <b>42</b>
321–0298, <b>51</b>	332–2900, <b>25</b>	338–3550, <b>61</b>	405–4417–02, <b>25</b>
321–0305, <b>51</b>	332–3582, <b>66</b>	338–3572, <b>66</b>	405–4423–02, <b>36</b>
321-0307-03, <b>60</b> , <b>61</b> , <b>62</b>	337-0049, <b>31</b> , <b>39</b> , <b>40</b> , <b>41</b>	338–3574, <b>61</b>	405–5812, <b>25</b> , <b>27</b>
321-0312-S1, <b>60</b> , <b>61</b> , <b>63</b>	338–1082, <b>58</b>	338–3607, <b>61</b>	405–5827–02, <b>25</b>

Part No.	<u>Page</u>	Part No.	<u>Page</u>	Part No.	<u>Page</u>	Part No.	<u>Page</u>
405-5828-02	2, <b>27</b>	503–1338, <b>13</b>		518–0515, <b>10</b>		812–0079, <b>51</b>	
405-6444-02	2, <b>38</b>	503–1418, <b>16</b>	, 22	518-0532, <b>13</b>		812-0087, <b>12</b>	
405-6446-02	2, <b>28</b>	503-1445-06	, 10, 22	518-0576, <b>12</b>		813-0103, <b>22</b>	!
405-6447-02	2, <b>38</b>	813-503-144	5–06, <b>21</b>	518-0720, <b>21</b>		815-0261, <b>12</b>	., <b>20</b> , <b>22</b>
405-6448-01	1, <b>28</b>	503–1777, <b>16</b>		518-0728, <b>36</b>	, <b>37</b>	815-0380, <b>54</b>	,
405-6448-02	2, <b>28</b>	503–1851, <b>20</b>		520-1018-02	, <b>29</b>	815–0385, <b>54</b>	,
405–6450, <b>28</b>	3	503–2004, <b>20</b>	, <b>27</b>	520-2037, <b>50</b>		815-0508, <b>7</b> ,	<b>21</b> , 32, <b>34</b> ,
405–6451, <b>28</b>	3	503-2143-02	, <b>27</b>	520-2210, <b>38</b>	, 40, 41	40, 41	
405–6454, <b>28</b>	3	503-2143-05	, 20	525-0305, <b>67</b>		815–0549, <b>51</b>	
405-6481-02	2, <b>28</b>	503-2143-08	, <b>22</b>	526-0003, <b>12</b>	, 14, 15, 47,	815–0578, <b>36</b>	
405–6485, <b>38</b>	3	503–2309, <b>27</b>		51		815–0660, <b>47</b>	
405–6486, <b>28</b>	3	503-2734-01	, 16	526–0008, <b>13</b>		815–0669, <b>50</b>	
405–6487, <b>28</b>	3	503-2734-02	, 16	526–0029, <b>34</b>		815–0675, <b>42</b>	
405–6489, <b>38</b>	3	503-2734-03	, 16	526–0049, <b>57</b>		815–0685, <b>42</b>	
405-6490-01	1, <b>28</b>	503-2734-04	, 16	526–0077, <b>45</b>		815-0709-01	
405-6490-02	2, <b>28</b>	504-0169, <b>30</b>		526–0115, <b>29</b>		815–0781, <b>47</b>	
405-6490-03	3, <b>28</b>	505-0007, <b>30</b>		526–0174, <b>45</b>		815–0888, <b>47</b>	
405–6494, <b>38</b>	3	505–2119, <b>47</b>		526–0392, <b>50</b>		815–0910, <b>55</b>	
405–6507, <b>38</b>	3	508–0008, <b>38</b>		526–0409, <b>57</b>		821–0004, <b>20</b>	
405–6509, <b>28</b>	3	508-0068, <b>33</b>		526–0432, <b>39</b>		821–0010, <b>22</b>	
405–6510, <b>38</b>	3	508–0095, <b>62</b>		526–2077, <b>9</b>		821–0016, <b>34</b>	
405-6938-02	2, <b>37</b>	508-0179, 25	, <b>27</b>	526–2078, <b>9</b>		821–2033, <b>40</b>	
405-6973-03	3, <b>27</b>	508–0258, <b>38</b>		526–2100, <b>33</b>		821–2045, <b>31</b>	
405-6973-04	4, <b>25</b>	508-0289, <b>25</b>		539–486, <b>21</b>		821-6002-02	
405–6982, <b>4</b> 1	1	508-0293, <b>25</b>	, <b>27</b>	541–0558, <b>16</b>		823-0001-01	
405–8048, <b>43</b>	3	508-0332, <b>29</b>		541–0618, <b>34</b>		823-0002-04	
406–0612, <b>42</b>	2, 43	508–1047, <b>45</b>		541–0661, <b>45</b>		823-0002-06	
502–0002, <b>2</b> 5	5	508–1116, <b>38</b>		541–0808, <b>20</b>		823-0002-09	
502–0313, <b>25</b>	5, 29	508–1122, <b>25</b>	, <b>27</b> , <b>38</b>	541–1377, <b>22</b> 543–0018–02		823-0003-02	
502–0395, <b>3</b> 0	0	509–0297, <b>48</b>				823-0003-03 823-0003-04	
502–0397, <b>3</b> 0	0	509–0420, <b>50</b>		740–1004, <b>17</b> <b>50</b>	, 20, 22, 40,	823-0003-04	
502–0398, <b>3</b> 0		510–0185, <b>50</b>		740–1006, <b>47</b>		823-0005-00	
502–1133, <b>2</b> 5	5, 27	515–0289, <b>50</b>		750–1004, <b>40</b>		823-0000-01	
502–1140, <b>2</b> 7	7	517–0135, <b>51</b>		750–1006, <b>33</b>	, <b>47</b>	823-1001-04	
502–1162, <b>2</b> 5	5, 27	517–0254, <b>36</b>		800-0048, <b>45</b>		850–0020, <b>14</b>	
502–1300, <b>2</b> 0		517–0305, <b>14</b>		800–0050, <b>45</b>		850–0020, <b>14</b>	
503-0731, <b>16</b> <b>30</b>	<b>6</b> , <b>20</b> , <b>21</b> , <b>22</b> ,	518–0129, <b>13</b>		800–2034, <b>33</b>		850–0030, <b>22</b>	
503–1133, <b>2</b> 0	0. 22. 27	518–0371, <b>13</b>		800–2057, <b>33</b>		850–0045, <b>25</b>	
503–1100, <b>20</b>		518–0450, <b>13</b>		808–0008, <b>14</b>	, <b>15</b>	853–0013, <b>47</b>	
200 1100, 20	-, <del></del>	518–0452, <b>67</b>		812–0066, <b>25</b>	, <b>27</b> , <b>29</b> , 51	300 0010, 41	

<u>Part No.                                    </u>	Part No.	<u>Page</u>	Part No.	<u>Page</u>	Part No. Page
853–0016, <b>29</b>					
856-0002, <b>36</b> , <b>37</b>					
856–0006, <b>25</b> , <b>29</b> , <b>36</b> , <b>37</b> , <b>40</b> , <b>41</b>					
856-0008, <b>31</b> , <b>39</b> , <b>40</b> , <b>41</b>					
860–0006, <b>25</b> , <b>27</b> , <b>29</b> , <b>51</b> , <b>54</b>					
860–2005, <b>14</b> , <b>15</b> , <b>29</b> , <b>36</b> , <b>37</b>					
862-0001, <b>41</b> , <b>47</b>					
864-0002, <b>29</b>					
868-0002, <b>25</b> , <b>27</b> , <b>29</b>					
870-0212, <b>34</b> , <b>40</b> , <b>41</b> , <b>50</b>					
870–0235, <b>51</b>					
870–0236, <b>47</b>					
870-0281, <b>45</b>					
870-0487, <b>51</b> , <b>52</b> , <b>53</b>					
870–0488, <b>51</b> , <b>52</b>					
870–2054, <b>25</b> , <b>27</b> , <b>31</b> , <b>32</b> , <b>33</b> , <b>34</b> , <b>36</b> , <b>37</b> , <b>38</b> , <b>40</b> , <b>41</b>					
870–2055, <b>31</b>					
870–2156, <b>38</b> , <b>40</b> , <b>41</b>					
871–0010, <b>57</b>					
880–0528, <b>20</b>					
895-0305-04, <b>36</b> , <b>37</b>					
98–8816, <b>67</b>					

## Cummins Onan

**Cummins Power Generation** 

1400 73rd Ave. NE Minneapolis, MN 55432 USA

Phone 1 763 574 5000 Toll-free 1 800 888 6626 Fax 1 763 574 5298

Email www.cumminsonan.com/contact

www.cumminsonan.com

Cummins  $^{\circledR}$  , Onan  $^{\circledR}$  , the "C" logo, and "Performance you rely on." are trademarks of Cummins Inc.

© 2009 Cummins Power Generation, Inc. All rights reserved.

