



Parts Catalog

Israel Ministry of Defense

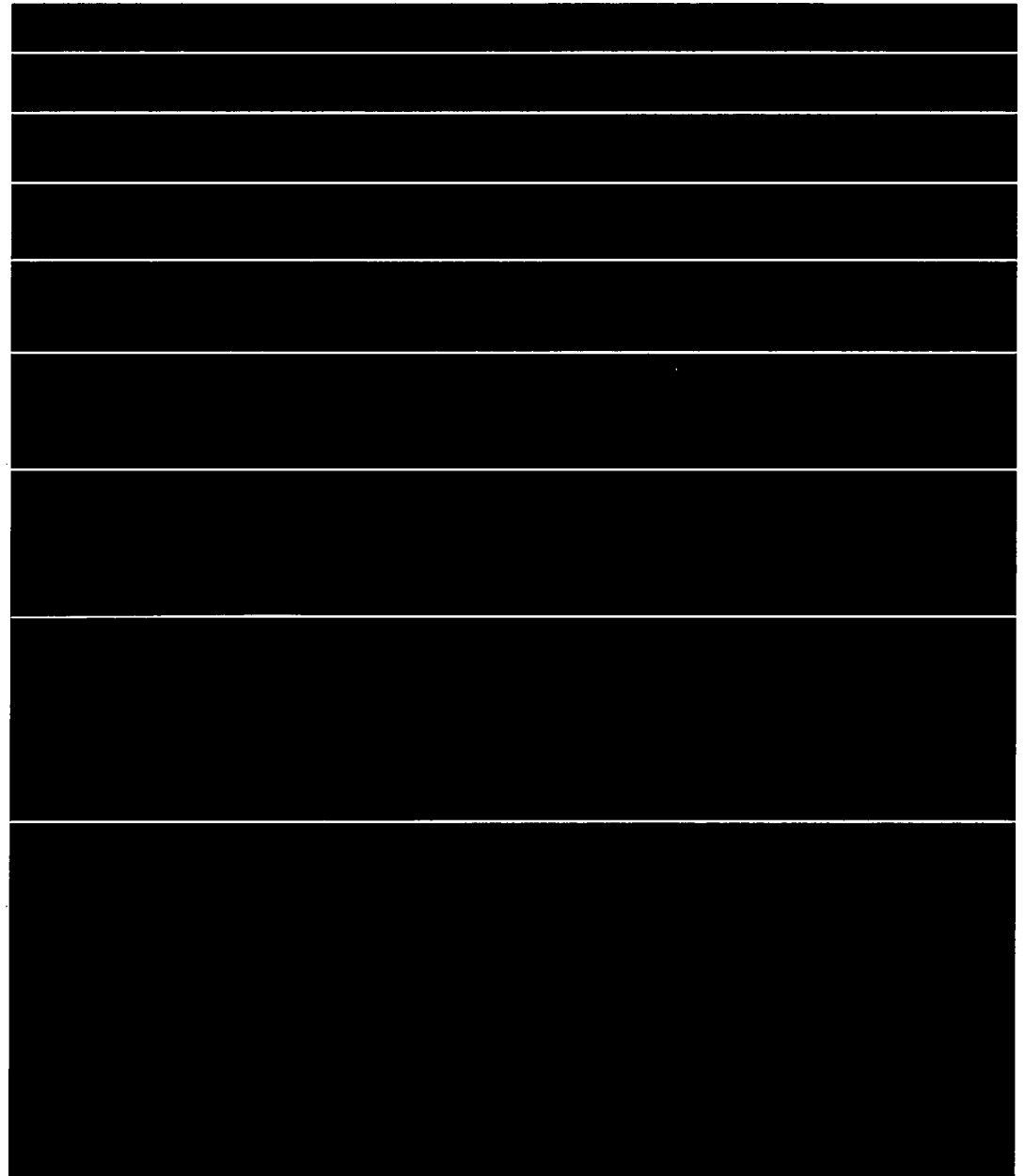
Contract No. 02057

Project No. 1109711093

50DGCB77355K (Without Housing)

50DGCB77415K (With Housing)

GENERATOR SET



Introduction

This catalog applies to the Israeli Ministry of Defense generator models 50DGCB77355K (Without Housing) and 50DGCB77415K (With Housing) 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. Unless otherwise mentioned in the description or page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine end (front) of the set.

Engine parts that have been modified or added by Onan are identified in this catalog. All other engine replacement parts must be ordered from the engine manufacturer by referring to the engine parts catalog section starting on page 43 and then using engine manufacturer's nameplate and supplying all available information. Contact your nearest engine parts distributor for assistance in ordering replacement parts.

Replacement Engine

Onan/Cummins Generator Model	Cummins Engine Model
50DGCB77355K 50DGCB77415K	4BT3.9-G2 Spec No. SES1693 4BT3.9-G2 Spec No. SES1693

Replacement engines cannot be ordered from Onan.
Order from your nearest Cummins distributor.

Generator Set Data Table

Model Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
50DGCB77355K	50,000	230Y400	50	12	3	24 VDC
50DGCB77415K	50,000	230Y400	50	12	3	24 VDC

Index

- Actuator, Governor, **14**
- Adapter, Generator, **31**
- Adapter, Generator Stator, **31**
- Alternator, Engine, **23**
- Ammeter, AC, **34**

- Band, Mounting – Air Cleaner, **10**
- Bar, Bus – Ground – Circuit Breaker, **39**
- Bar, Bus – Phase Connection, **39**
- Bar, Ground – Control Box, **33**
- Bar, Ground – Skid, **9**
- Bar, Lifting – Cylinder Block, **10**
- Bearing, Ball – Generator, **31**
- Bell, End, **31**
- Block, Terminal – Control Box, **33**
- Block, Terminal – Control Relay Panel, **37**
- Block, Terminal – Generator, **31**
- Bowl, Fuel Filter, **13**
- Box, Circuit Breaker, **39**
- Box, Control, **33**
- Box, Junction – Audible Alarm, **9**
- Bracket, Mounting – Air Cleaner, **10**
- Bracket, Mounting – Control Relays, **37**
- Bracket, Mounting – Coolant Level Switch, **17**
- Bracket, Mounting – Crankcase Vent, **11**
- Bracket, Mounting – Fire Extinguisher, **42**
- Bracket, Mounting – Fuel Filter, **13**
- Bracket, Mounting – Generator Foot, **31**
- Bracket, Mounting – Governor Control, **25**
- Breaker, Circuit – AC, **39**
- Breaker, Circuit – AC Control Door, **34**
- Bulb, Replacement – Dome Light, **9**
- Bulb, Replacement – Panel Light – DC Control Door, **35**
- Bulb, Replacement – Trouble Light, **9**

- Cable, Battery, **7**
- Cable, Shielded – Speed Adjust Potentiometer, **33**
- Cap, Air Cleaner, **10**
- Cap, Drain – Crankcase Vent, **11**
- Cap, Filler – Oil, **7**
- Cap, Fuel, **13**
- Cap, Radiator, **17**
- Cap, Rain – Exhaust, **19**
- Cap, Vent – Fuel Tank, **13**
- Capacitor, AC Voltmeter, **34**
- Clamp – Customer Power Cables, **42**
- Clamp, Muffler, **15**
- Cleaner, Air, **10**
- Control, Generator Set, **33**
- Controller Assembly, Governor, **14**
- Controller, Governor, **14**
- Cover, Battery, **42**
- Cover, Battery Access – Housed Sets, **19**
- Cover, Control Box, **33**
- Cover, End Bell – Permanent Magnet Exciter, **29**
- Cover, Guard – Circuit Breaker Box, **39**

- Cover, Meter – AC Control Door, **34**
- Cover, Stator – Generator, **31**
- Cushion, Vibration – Engine End, **21**
- Cushion, Vibration – Generator End, **21**

- Diode – DC Control Door Wiring Harness, **36**
- Diode – Exciter Rotor, **31**
- Dipstick – Oil Check, **7**
- Disc, Drive – Generator, **31**
- Door, Control – AC, **34**
- Door, Control – DC, **35**
- Door, Housing, **19**

- Element, Air Cleaner, **10**
- Element, Fuel Filter, **13**
- Exciter, Permanent Magnet, **29**
- Extinguisher, Fire, **42**

- Fan, Alternator – Engine, **23**
- Fan, Radiator, **17**
- Filter, Crankcase Vent, **11**
- Filter, Fuel, **13**
- Flange, Exhaust – Elbow, **19**
- Fuse – Engine Monitor, **33**
- Fuse – Engine to Control Wiring Harness, **36**
- Fuse – RFI Module, **25**

- Gasket, Control Box, **33**
- Gasket, Exhaust, **15**
- Gasket, Oil Drain, **7**
- Gauge, Coolant Temperature, **35**
- Gauge, Liquid Level, **13**
- Gauge, Oil Pressure, **35**
- Governor, Electronic, **14**
- Grille, Radiator, **17**
- Grommet, Control Box, **33**
- Guard, Belt, **17**
- Guard, Fan – Engine, **17**
- Guard, Fan – Generator, **31**
- Guard, Radiator, **17**

- Harness, Wiring – AC Control Door, **36**
- Harness, Wiring – Circuit Breaker Box, **39**
- Harness, Wiring – Control Relay Panel, **36**
- Harness, Wiring – Current Transformer, **28**
- Harness, Wiring – DC Control Door, **36**
- Harness, Wiring – Emergency Stop Switch – Housing, **19**
- Harness, Wiring – Engine to Control, **36**
- Harness, Wiring – Generator Reconnection Terminal Block, **36**
- Harness, Wiring – Permanent Magnet Exciter, **29**
- Harness, Wiring – Trouble Light, **9**
- Hold-Down, Battery Cover, **42**
- Holder, Fuse – Engine to Control Wiring Harness, **36**
- Horn, Audible, **9**
- Hose, Fuel Filter Drain, **13**
- Hose, Fuel Tank Drain, **13**
- Hose, Oil Drain, **11**

Index

- Hose, Overflow – Radiator, 17
- Hose, Radiator, 17
- Hose, Radiator Drain, 17
- Housing, Control, 25
- Housing, Generator Set, 19
- Hub, Drive – Generator, 31

- Indicator, Service – Air Cleaner, 10
- Insulator, Standoff – Phase Connection Bus Bar, 39
- Isolator, Vibration – Control Box, 25

- Kit, Clamp – Muffler Mounting, 15
- Kit, Repair – Coolant Level Switch, 17
- Kit, Repair – Fuel Transfer Pump, 13

- Label, Marker – Circuit Breaker Box, 39
- Labels – Generator Set, 41
- Latch, Cover – Circuit Breaker Box, 39
- Latch, Door – Housing, 19
- Latch, Hook – Housing, 19
- Lead – Circuit Breaker to Phase Bus Bar, 39
- Lead – Control Ground Bar to Skid Ground Bar, 33
- Lead – Generator to Circuit Breaker, 39
- Lead – Grounding Bus Bar – Circuit Breaker Box, 39
- Lift, Generator Set, 26
- Light Assembly, Indicator, 35
- Light, Dome, 9
- Light, Indicator – Replacement, 35
- Light, Panel – DC Control Door, 35
- Light, Trouble – Generator Lift, 9
- Line, Flexible – Fuel Drain, 42
- Line, Flexible – Oil Drain, 42
- Line, Flexible – Radiator Drain, 42
- Line, Fuel – Engine Fuel Return to Tank, 13
- Line, Fuel – Fuel Filter, 13
- Line, Fuel – Fuel Transfer Pump Inlet to Strainer, 13
- Line, Fuel – Fuel Transfer Pump Outlet to Tank, 13
- Line, Fuel – To Strainer, 13
- Link, Terminal – Generator Terminal Block, 25
- Louver, Housing, 19

- Mat, Battery, 42
- Meter, Frequency, 34
- Meter, Time Totalizing, 35
- Module, Overspeed, 33
- Module, RFI, 25
- Monitor, Engine, 33
- Muffler, 15

- Paint, 5
- Panel Assembly, Control Relay, 37
- Panel, Control Housing, 25
- Panel, Housing, 19
- Pickup, Magnetic – Electronic Governor, 14
- Pipe, Flexible – Exhaust, 15
- Plate – Skid Bottom, 21
- Plate, Mounting – Overspeed Module, 33

- Plate, Mounting – Voltage Regulator, 33
- Potentiometer, Speed Adjust, 33
- Potentiometer, Voltage Adjust, 33
- Probe, Water Sensor – Fuel Filter, 13
- Pump, Fuel Transfer, 13

- Radiator, 17
- Rectifier – Control Relay Panel Wiring Harness, 36
- Rectifier – DC Control Door Wiring Harness, 36
- Rectifier – Exciter Rotor, 31
- Regulator, Voltage – Control, 33
- Regulator, Voltage – Engine Alternator, 23
- Relay, Fuel Pump, 37
- Relay, High Fuel Level, 37
- Relay, Horn Reset, 37
- Relay, Horn Start, 37
- Relay, Start Solenoid, 37
- Relay, Time Delay, 37
- Relay, Voltage Sensor, 37
- Resistor – DC Control Door Wiring Harness, 36
- Resistor – Starting, 37
- Resistor – Terminal Block – Control Box, 33
- Rotor, Exciter, 31
- Rotor, Generator, 31
- Rotor, Permanent Magnet Exciter, 29

- Screen, Air Inlet – Generator, 31
- Sealant, Thread, 5
- Sender, Oil Pressure, 7
- Sender, Water Temperature, 7
- Shackle – Generator Set Lift, 26
- Shield, Heat – Muffler, 15
- Shield, Wiring – Exciter Field and PMG Leads, 27
- Shroud, Fan, 17
- Skid, 21
- Spacer, Fan, 17
- Spacer, Mounting – End Bell – Permanent Magnet Exciter, 29
- Standoff, Insulator – T26, 7
- Starter, 22
- Stator, Exciter, 31
- Stator, Generator, 31
- Stator, Permanent Magnet Exciter, 29
- Strainer, Fuel, 13
- Strap, Fuel Tank, 21
- Strap, Ground – Control Box, 33
- Strap, Ground – Control Housing to Skid, 25
- Strap, Ground – Generator to Skid, 9
- Strip, Marker – Control Box, 33
- Strip, Marker – Control Relay Panel, 37
- Support, Engine, 21
- Support, Grille, 17
- Support, Muffler Tray, 17
- Switch Assembly, Enclosure, 9
- Switch, Coolant Level, 17
- Switch, Float – Fuel Tank, 13
- Switch, Low Oil Pressure, 7

Index

Switch, Pushbutton – Emergency Stop – Housed Sets, **19**
Switch, Pushbutton – Emergency Stop – Unhoused Sets, **35**
Switch, Pushbutton – Horn Reset, **35**
Switch, Rocker – DC Control Door, **35**
Switch, Selector, **34**
Switch, Temperature – High Engine Coolant, **7**
Switch, Vacuum – Fuel Transfer Pump, **13**

Tank, Fuel, **21**
Transformer, Current, **28**
Transformer, Isolation, **33**
Tray, Muffler, **15**

Tube, Air Inlet, **10**
Tube, Radiator, **17**

Valve, Drain – Radiator, **17**
Valve, Shutoff – Fuel Tank, **13**
Valve, Shutoff – Oil Drain, **7**
Varistor, Exciter Rotor, **31**
Vent, Crankcase, **11**
Voltmeter, AC, **34**
Voltmeter, DC, **35**

Wrapper, Fan Shroud, **17**

Abbreviations

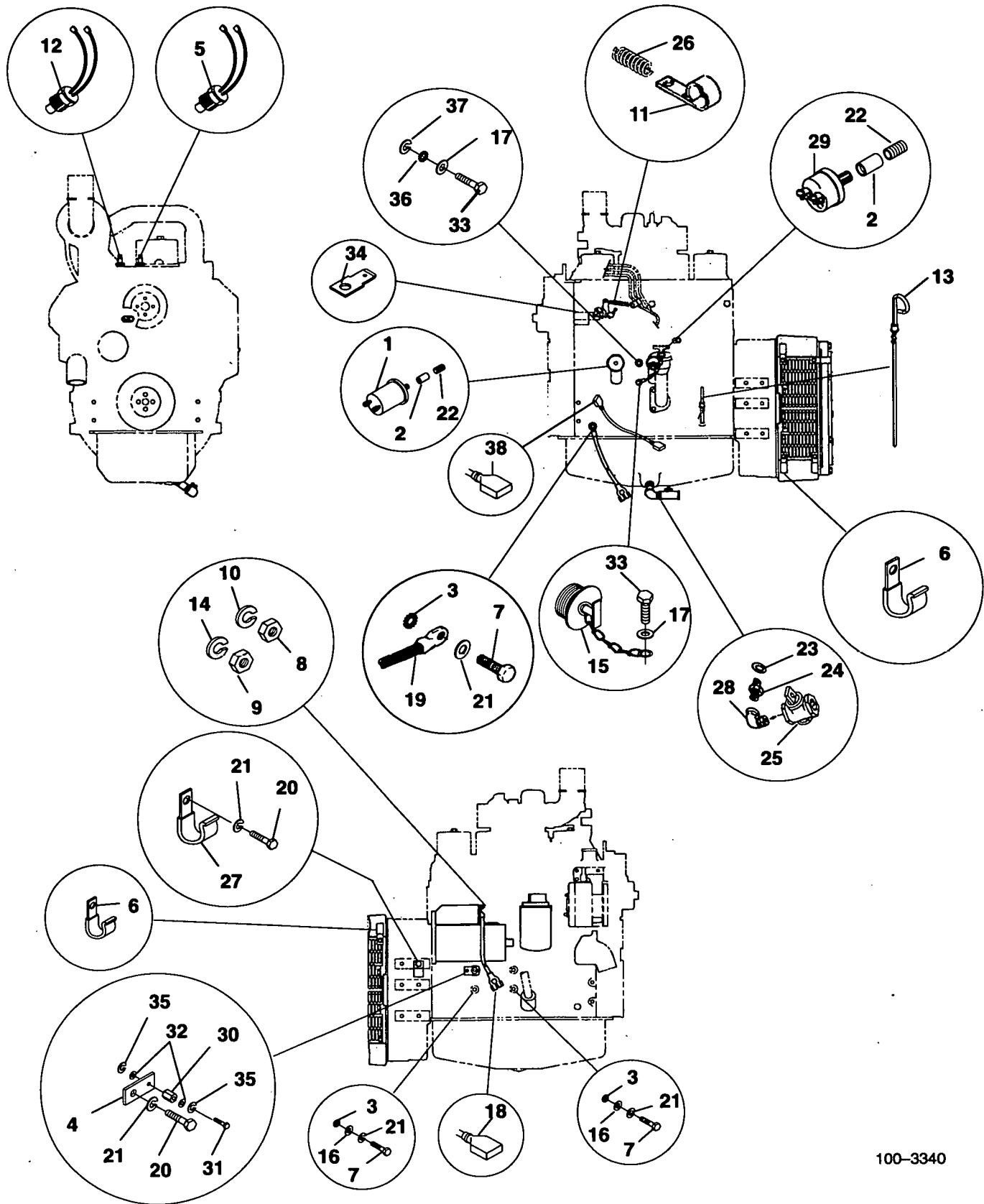
Some of the following abbreviations may be used throughout this Parts Catalog;

Alternating Current	AC	Not For Sale	NFS
Ampere	Amp	Nominal Pipe Thread	NPT
As Required	A/R	Outside Diameter	OD
Automatic Voltage Regulator	AVR	Ounce	oz.
American Wire Gauge	AWG	Permanent Magnet Exciter	PMG
Degree	Deg	Phase	Ph
Direct Current	DC	Printed Circuit	PC
External Tooth	ET	Radio Frequency Interference	RFI
External/Internal Tooth	EIT	Right	RT
Ground Fault Interrupter	GFI	Specification	Spec
Inside Diameter	ID	Thick	Thk
Internal Tooth	IT	Underwriters Laboratories Inc.	UL
Kilowatt	kW	Union National Coarse	UNC
Liquid Petroleum Gas	LPG	Union National Fine	UNF
Left	LT	Volts Alternating Current	VAC
Meter	M(meter Number)	Volts Direct Current	VDC
Millimeter	mm	With	W/(ET, IT, EIT)

Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Cummins Beige Enamel	518-0601	-		Sealant, Thread (6 ml Tube)
	525-0551-02	-	13 oz. Pressurized Spray Can				
	525-0551-03	-	Quart Can				
	525-0551-04	-	Gallon Can				

External Engine Parts

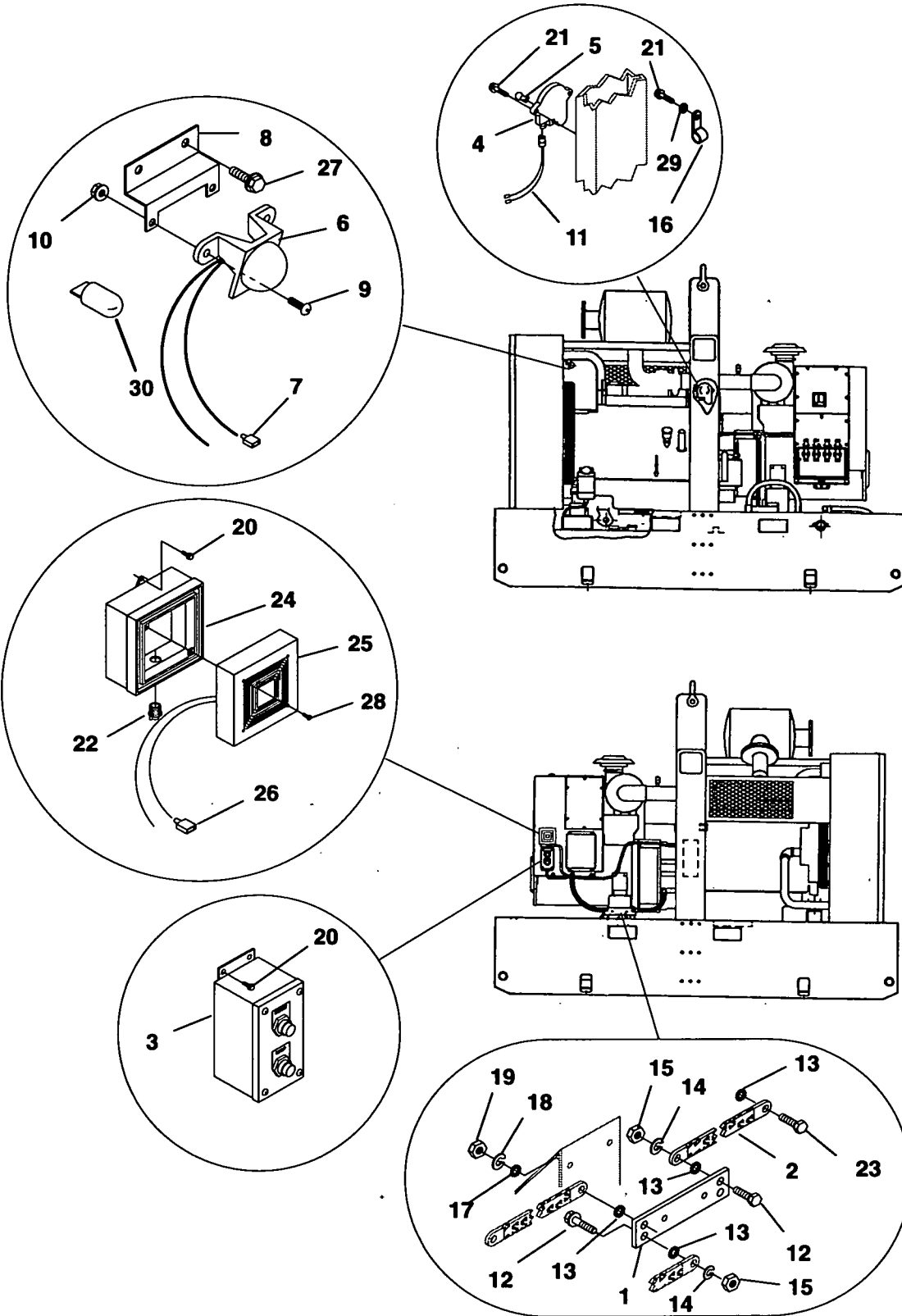


100-3340

External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0430-01	1	Sender, Oil Pressure (E1)	19	416-1022	1	Cable, Battery (28")
2	505-0026	2	Coupling, Pipe (1/8")	20	800-2110	2	Screw, Cap – Hex Head (M12 x 20mm)
3	856-0013	3	Washer, Lock – W/EIT (1/2")	21	850-2012	5	Washer, Lock – Spring (M12)
4	332-3477	1	Bracket, Terminal (T26)	22	505-0098	2	Nipple, Pipe – Close (1/8")
5	309-0652	1	Switch, Temperature – High Engine Coolant (Opens At 206 Deg F, Closes At 225 Deg F) (S2)	23	102-1147	1	Gasket, Oil Drain
6	332-3196	5	Clamp, "J"	24	102-1237	1	Adapter, Oil Drain
7	800-2111	3	Screw, Cap – Hex Head (M12 x 20mm)	25	504-0011	1	Valve, Shutoff (1/2")
8	860-2009	1	Nut, Hex (M10)	26	150-2546	1	Spring, Extension
9	860-2006	1	Nut, Hex (M5)	27	332-2921	1	Clamp, "J"
10	850-2010	1	Washer, Lock – Spring (M10)	28	505-0050	1	Elbow, Street – 90 Deg (1/2")
11	518-0350	1	Clamp, Insulated	29	309-0561	1	Switch, Low Oil Pressure (S1)
12	193-0429-01	1	Sender, Water Temperature (E2)	30	332-2370	1	Standoff, Insulator
13	159-1456	1	Dipstick	31	800-0003	1	Screw, Cap – Hex Head (1/4-20 x 1/2")
14	850-0030	1	Washer, Lock – Spring (#10)	32	526-0018	2	Washer, Flat (1/4")
15	159-1461	1	Cap, Filler (Includes Chain and Split Ring)	33	800-2056	2	Screw, Cap – Hex Head (M8 x 16mm)
16	526-2140	2	Washer, Flat (M12)	34	332-0527	1	Terminal, Wire (Used on fuel solenoid (K1) ground screw)
17	526-2100	2	Washer, Flat (#8)	35	850-0040	2	Washer, Lock – Spring (1/4")
18	416-1023	1	Cable, Battery (32")	36	856-0008	1	Washer, Lock – W/EIT (5/16")
				37	850-2008	1	Washer, Lock – Spring (M8)
				38	416-1025	1	Cable, Battery (47")

Electrical Accessories

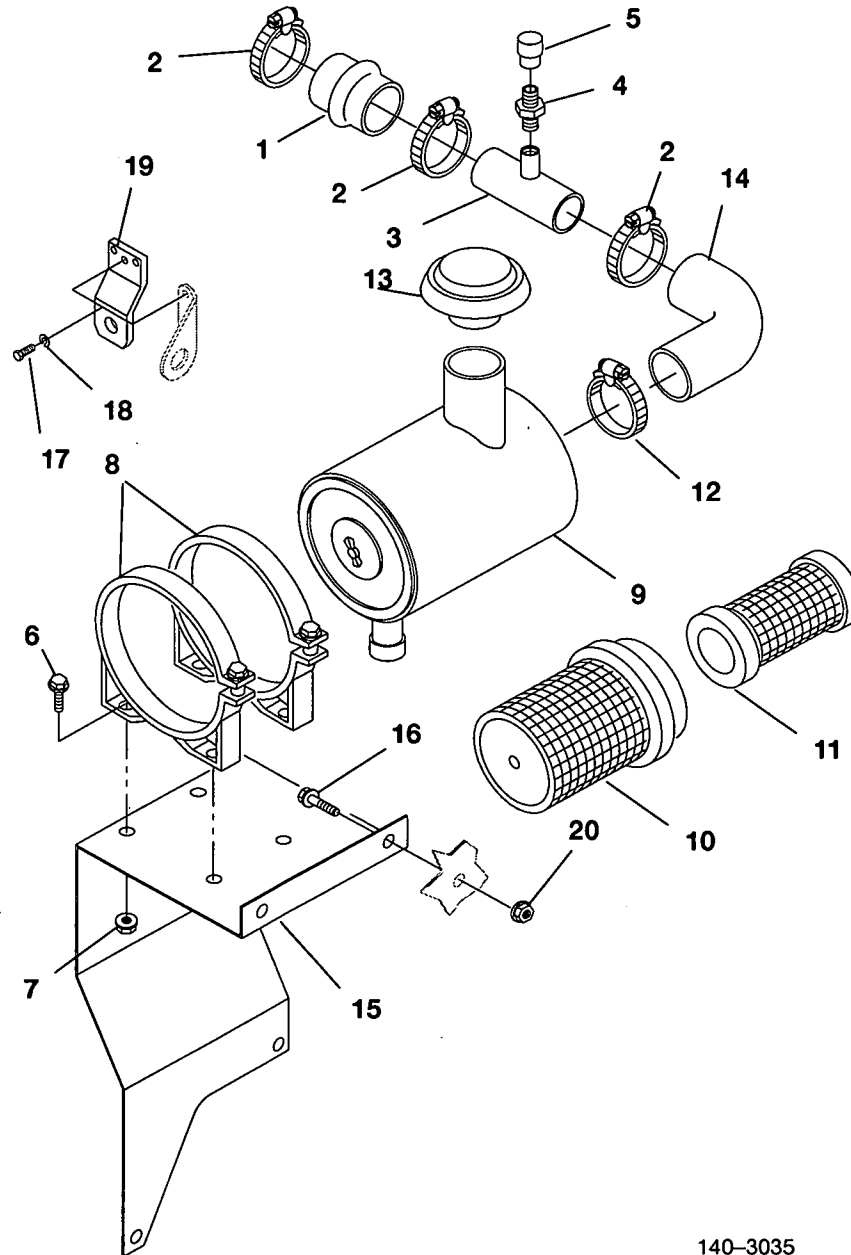


100-3364

Electrical Accessories

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2941	1	Bar, Ground	10	870-0201	2	Nut, Locking (#6-32)
2	337-0090	1	Strap, Ground	11	338-3361	1	Harness, Wiring - Connector
3	300-4828	1	Switch Assembly, Enclosure (Includes Indented Replacement Parts Listed Below)	12	800-0091	4	Screw, Cap - Hex Head (1/2-13 x 1")
	300-4828-02	1	Switch, Pushbutton - Flush - Green (Top) Fuel Pump Start (Not Illustrated) (S24)	13	856-0013	6	Washer, Lock - W/EIT (1/2")
	300-4828-05	1	Switch, Pushbutton - Extended - Red (Bottom) Fuel Pump Stop (Not Illustrated) (S25)	14	850-0060	4	Washer, Lock - Spring (1/2")
	300-4828-03	2	Block, Contact - Marked "NO" (Not Illustrated)	15	862-0016	4	Nut, Hex (1/2-13)
	300-4828-06	1	Block, Contact - Marked "NC" (Not Illustrated)	16	518-0548-15	1	Clamp, Retainer - Wiring Harness
	300-4828-04	1	Legend, Switch - "Start" (Not Illustrated)	17	856-0008	2	Washer, Lock - W/EIT (5/16")
	300-4828-07	1	Legend, Switch - "Stop" (Not Illustrated)	18	850-0045	2	Washer, Lock - Spring (5/16")
4	322-0466	1	Light, Trouble (Includes Bulb) (DS32)	19	862-0015	2	Nut, Hex (5/16-18)
5	322-0469	1	Bulb, Replacement	20	821-5000-05	6	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2")
6	322-0467	1	Light, Dome (Does Not Include Wire Terminals) (DS33)	21	815-0584	4	Screw, Locking - Hex Head (#10-32 x 5/8")
7			Terminal, Wire	22	331-0042	1	Connector, Romex
	332-1992	1	Black Lead Marked "DS33-2"	23	800-2111	1	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
	332-2430	1	Red Lead Marked "DS33-1"	24	330-0146	1	Box, Junction
8	322-0470	1	Bracket, Mounting - Light	25	333-0179	1	Horn, Audible (Does Not Include Wire Terminals) (DS31)
9	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")	26			Terminal, Wire
					332-1992	1	Black Lead Marked "DS31-"
					332-2430	1	Red Lead Marked "DS31+"
				27	821-5002-03	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
				28	812-0063	2	Screw, Machine - Round Head (#6-32 x 1/2")
				29	526-0018	1	Washer, Flat (1/4")
				30	322-0472	1	Bulb, Dome Light - Replacement

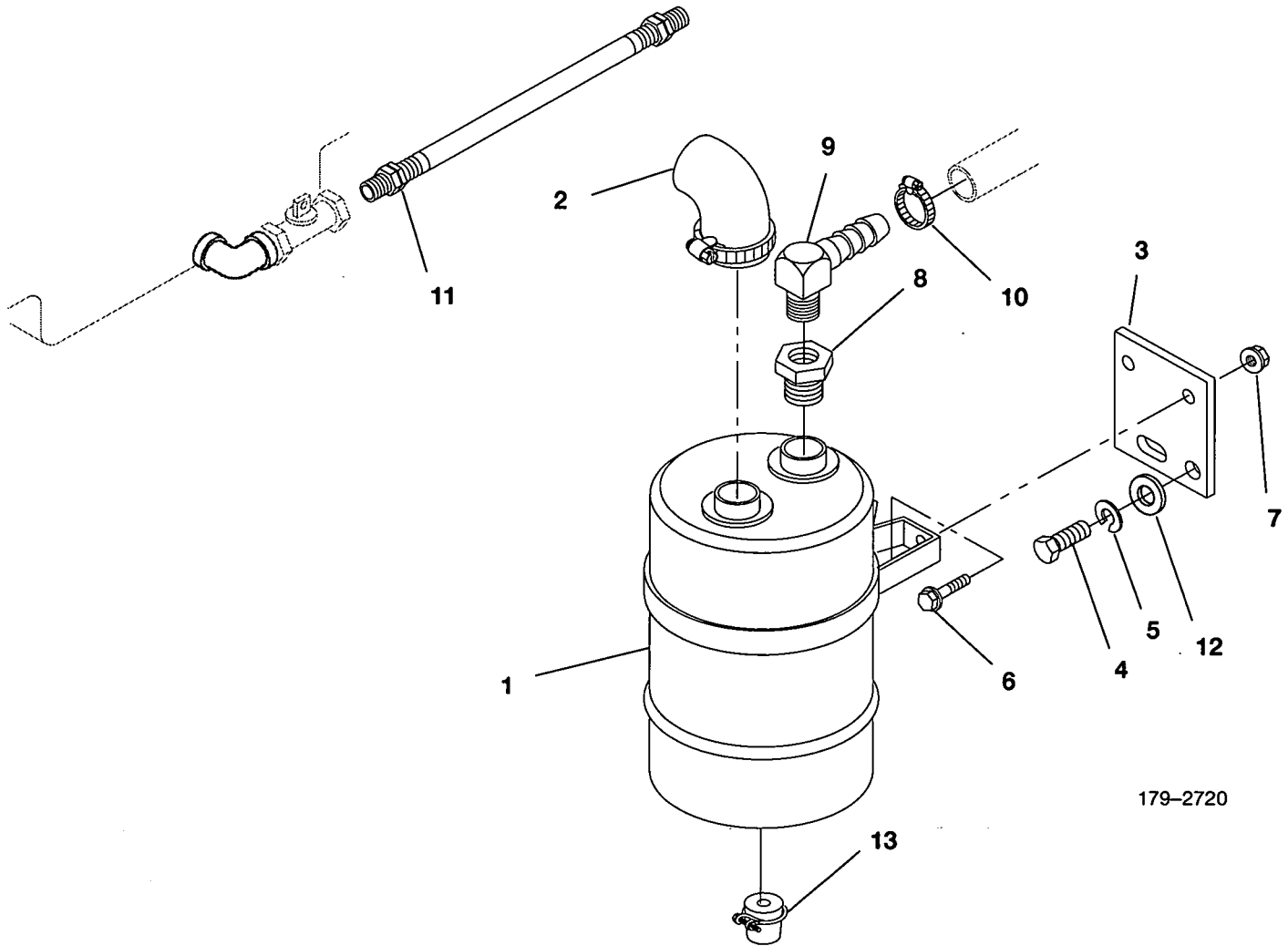
Air Cleaner



140-3035

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-1543	1	Hose, Reducer	11	140-2762	1	Element, Air Cleaner – Inner
2	503-1870-05	3	Clamp, Hose	12	503-1870-04	1	Clamp, Hose
3	140-3032	1	Tube, Air Inlet	13	140-2157	1	Cap, Air Cleaner
4	140-1260	1	Adapter, Indicator	14	503-1542	1	Elbow, Reducing
5	140-1548	1	Indicator, Service	15	140-3029	1	Bracket, Mounting
6	821-0016	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 3/4")	16	821-0010	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
7	870-0257	4	Nut, Locking – Hex Flange Head (5/16-18)	17	800-2111	2	Screw, Cap – Hex Head (M12 x 25mm)
8	140-2227	2	Band, Mounting	18	850-2012	2	Washer, Lock – Spring (M12)
9	140-2763	1	Cleaner, Air – Includes Elements	19	323-3435	2	Bar, Lifting
10	140-2159	1	Element, Air Cleaner – Outer	20	870-0212	2	Nut, Locking – Hex Flange Head (1/4-20)

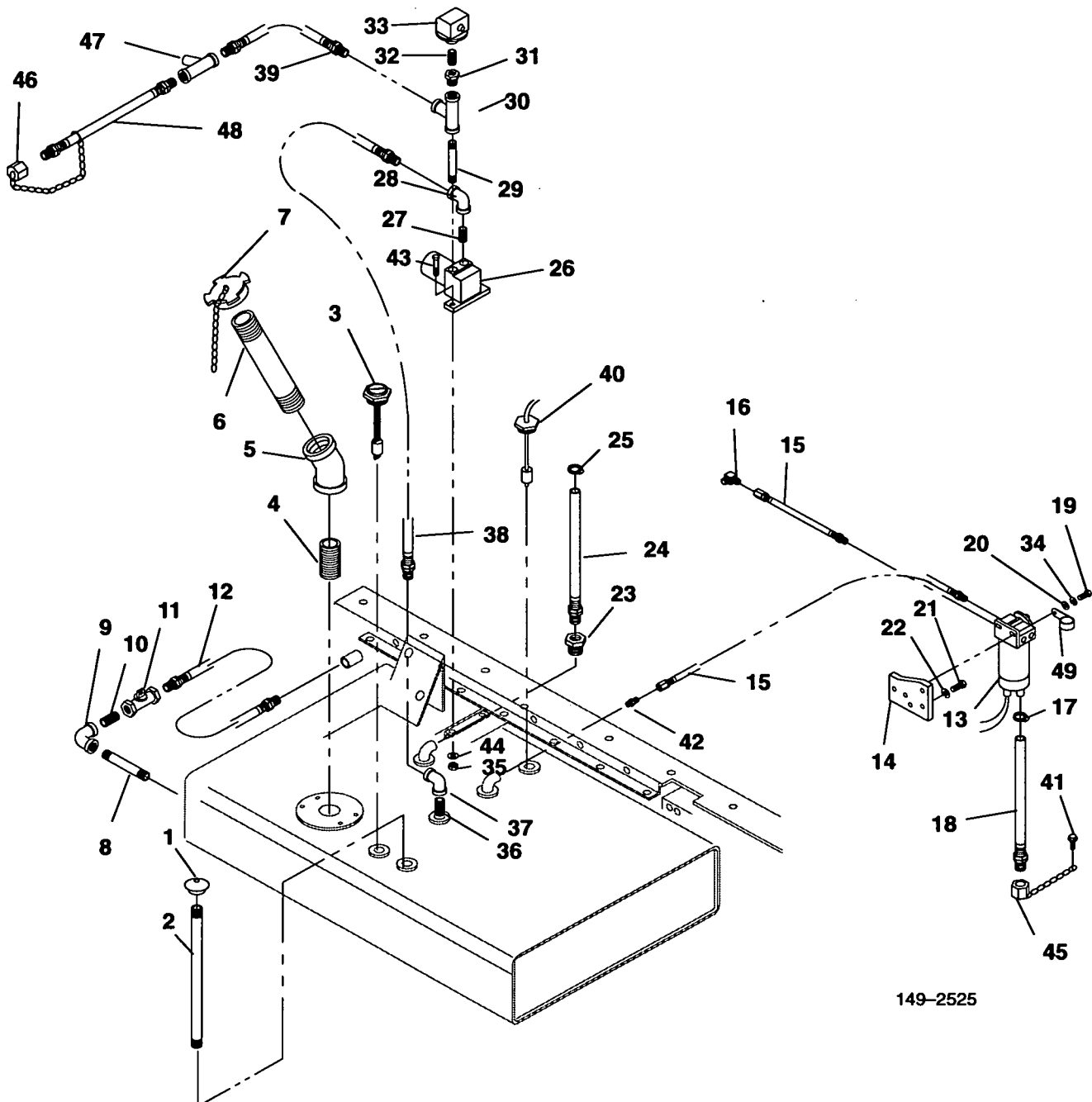
Lube System



179-2720

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-2079	1	Vent, Crankcase	7	870-0257	2	Nut, Hex - Locking (5/16-18)
	123-2083	1	Filter, Crankcase Vent (Not Illustrated)	8	505-0022	1	Bushing, Reducer - Pipe (1" to 1/2")
2	123-2080	1	Elbow (Includes Clamp)	9	502-0632	1	Elbow-90 Deg (1/2" Pipe to 3/4" Barbed Hose)
3	123-2081	1	Bracket, Mounting	10	503-0183	1	Clamp, Hose
4	800-2111	2	Screw, Cap - Hex Head (M12 x 25mm)	11	501-0655	1	Hose, Oil Drain (24")
5	850-2012	2	Washer, Lock - Spring (M12)	12	526-2140	2	Washer, Flat (M12)
6	821-0016	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")	13	123-2122	1	Cap, Drain (Includes Clamp)

Fuel System

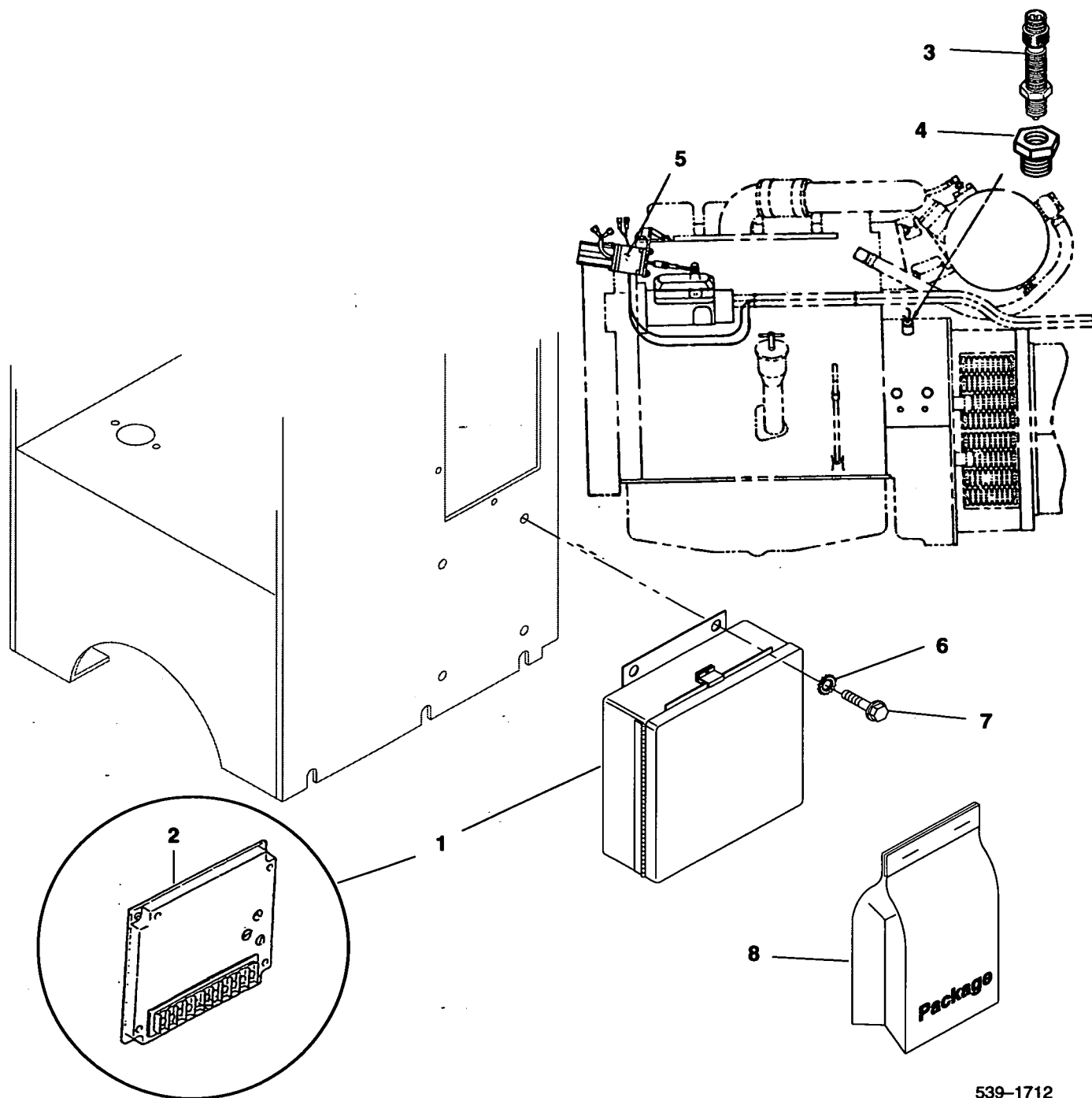


149-2525

Fuel System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1371-01	1	Cap, Vent	27	505-0102	1	Nipple, Pipe - Close (3/4")
2	505-1066	1	Nipple, Pipe (1-1/4" x 20-3/4")	28	505-0132	1	Elbow, Pipe - 90 Deg (3/4")
3	415-0565-13	1	Gauge, Liquid Level	29	505-0084	1	Nipple, Pipe (3/4" x 2-1/2")
4	505-0172	1	Nipple, Pipe (2" x 2")	30	505-0166	1	Tee, Pipe (3/4")
5	505-0872	1	Elbow, Pipe - 45 Deg (2")	31	505-0020	1	Bushing, Reducer (3/4" to 1/4")
6	505-0420	1	Nipple, Pipe (2" x 15")	32	505-0099	1	Nipple, Pipe - Close (1/4")
7	159-1452	1	Cap, Fuel (Includes Chain)	33	309-0650	1	Switch, Vacuum (S15)
8	505-0210	1	Nipple, Pipe (1/2" x 2")	34	850-0050	2	Washer, Lock - Spring (3/8")
9	505-0040	1	Elbow, Pipe - 90 Deg (1/2")	35	870-0257	2	Nut, Hex - Locking (5/16-18)
10	505-0100	1	Nipple, Pipe - Close (1/2")	36	505-0102	1	Nipple, Pipe - Close (3/4")
11	504-0011	1	Valve, Shutoff (1/2")	37	505-0132	1	Elbow, Pipe - 90 Deg (3/4")
12	501-0639	1	Hose, Fuel Drain (27")	38	501-0642-02	1	Line, Fuel - Fuel Transfer Pump Outlet to Tank (26")
13	149-2535	1	Filter, Fuel (S17)	39	501-0643	1	Line, Fuel - Fuel Transfer Pump Inlet to Strainer (60")
	149-2550	1	Element (Not Illustrated)	40	149-2542	1	Switch, Float (S16)
	149-2551	1	Bowl (Not Illustrated)	41	821-5000-05	1	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2")
	149-2552	1	Probe, Water Sensor (Not Illustrated)	42	502-0606	1	Adapter, Pipe (1/2-14 Pipe to 9/16" Flare)
14	149-2528	1	Bracket, Mounting - Fuel Filter	43	800-0030	2	Screw, Cap - Hex Head (5/16-18 x 1-1/4")
15	501-0640	2	Line, Fuel - Fuel Filter Outlet to Engine and Fuel Filter Inlet to Fuel Tank (55")	44	526-0113	2	Washer, Flat (5/16")
16	502-0607	1	Adapter, Elbow - 90 Deg (1/4" Pipe to 9/16" Flare)	45	502-1265-01	1	Cap - Drain Hose (Includes Chain)
17	503-0446	1	Clamp, Hose	46	502-1265-03	1	Cap - Fuel Line (Includes Chain)
18	501-0641	1	Hose, Drain - Fuel Filter (32")	47	149-2549	1	Strainer, Fuel
19	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")	48	501-0668	1	Line, Fuel - To Strainer (Includes Split Ring) (60")
20	526-0030	2	Washer, Flat (3/8")	49	332-2921	1	Clamp, "J"
21	800-2111	2	Screw, Cap - Hex Head (M12 x 25mm)				
22	850-2012	2	Washer, Lock - Spring (M12)				
23	505-0151	1	Bushing, Reducer (1/2" to 1/8")				
24	501-0502-03	1	Line, Fuel - Engine Fuel Return to Tank (40")				
25	503-0685	1	Clamp, Hose				
26	149-2534	1	Pump, Fuel Transfer (M2)				
	149-2553	1	Kit, Repair (Includes Seal, O-Ring and Vane Kit) (Not Illustrated)				
	149-2554	1	Seal (Not Illustrated)				
	149-2556	1	O-Ring (Not Illustrated)				
	149-2555	1	Vane Kit (Not Illustrated)				

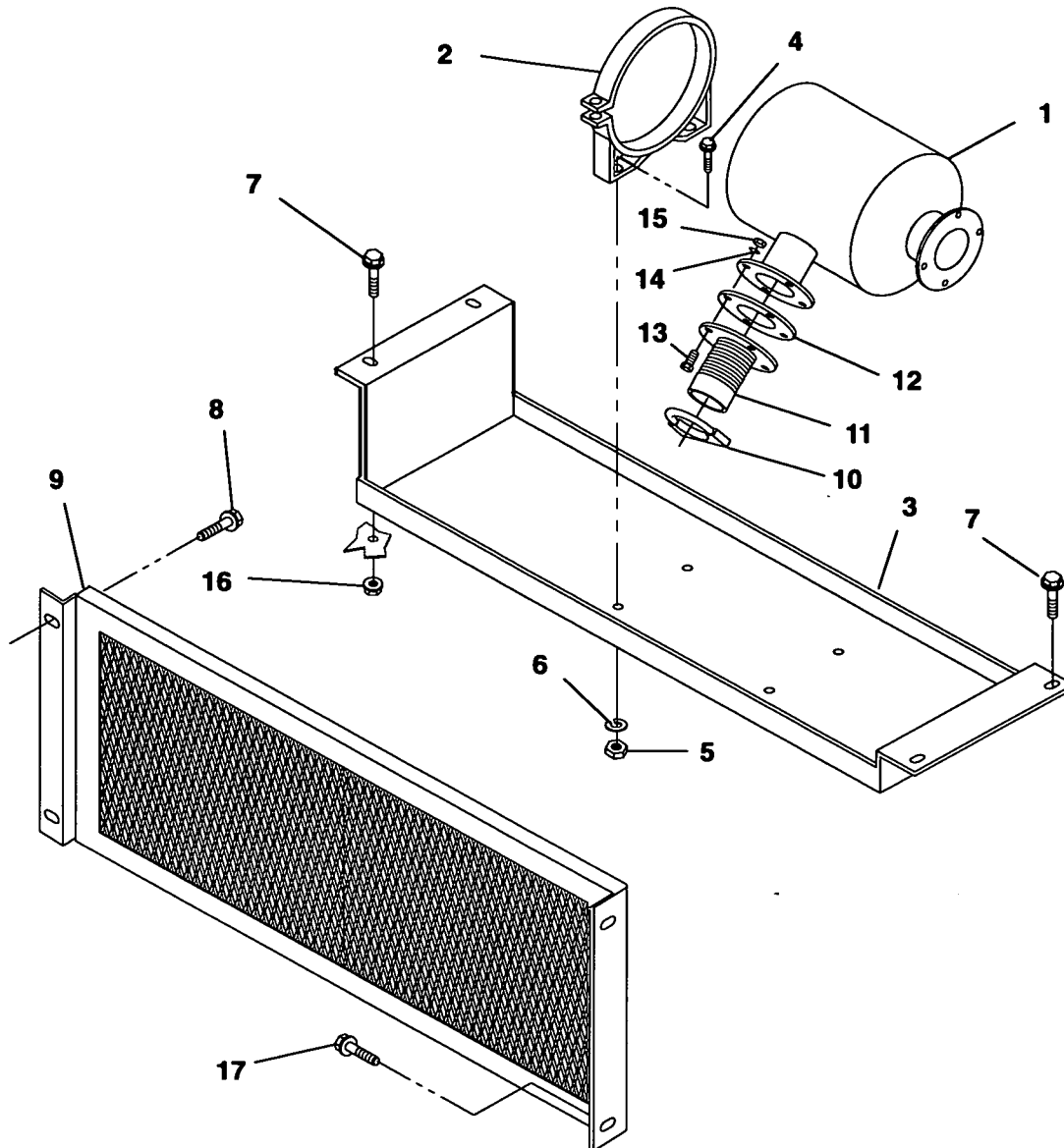
Electronic Governor



539-1712

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0748	1	Controller Assembly, Governor (Includes Controller)	8	150-2672	1	Package, Mounting – Actuator to Injection Pump (Includes Actuator Mounting Bracket, Actuator Shaft Clevis, Clevis Jam Nut, Male and Female Rod End Bearings, Mounting Hardware and Instruction Bulletin)
2	151-0753	1	Controller, Governor (A30)				
3	151-0750	1	Pickup, Magnetic				
4	151-0751	1	Bushing, Reducer (3/4" to 3/8")				
5	150-2331-01	1	Actuator, Governor				
6	856-0006	4	Washer, Lock – W/EIT (1/4")				
7	821-0018	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")				

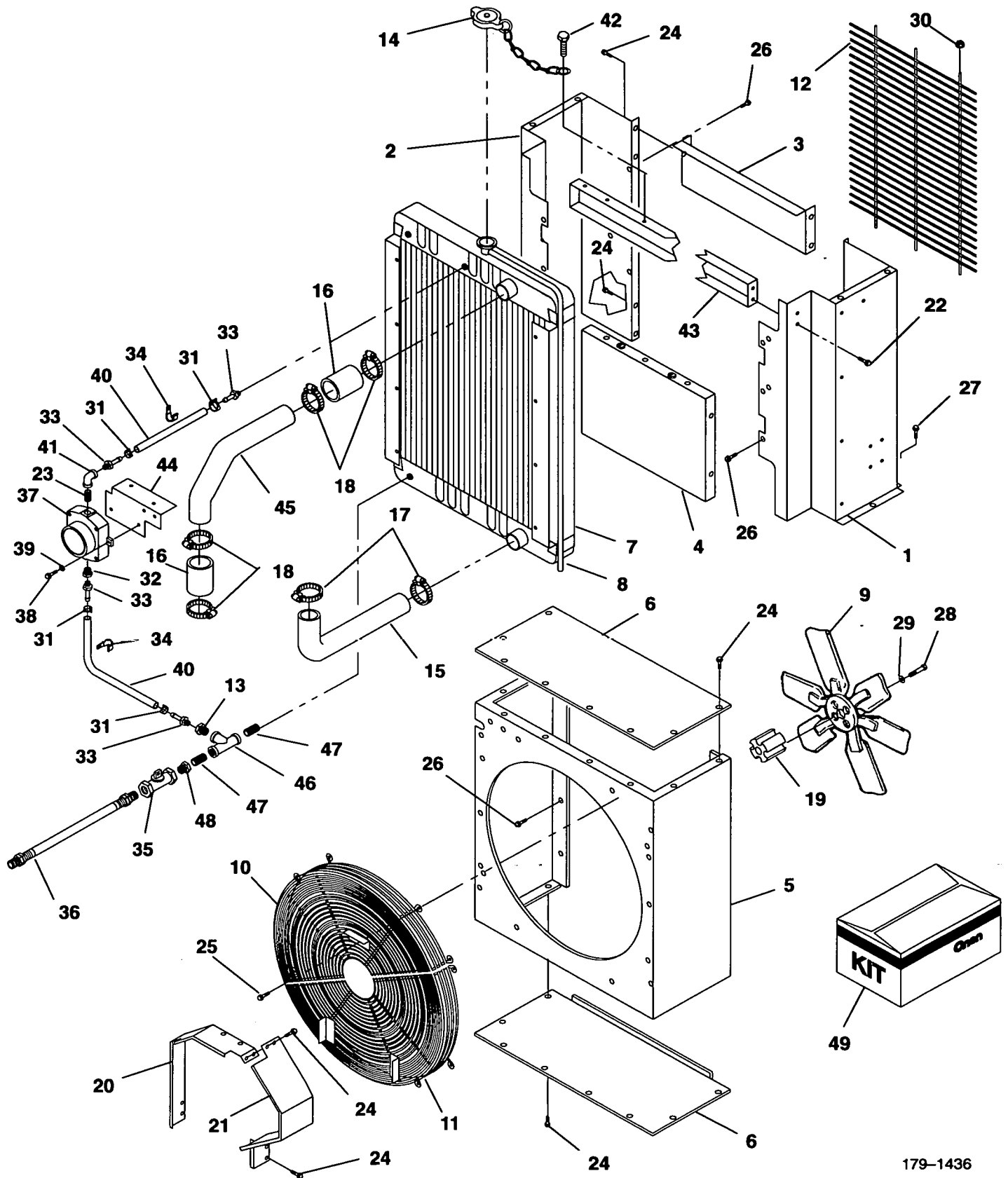
Muffler



155-3048-03

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3037	1	Muffler	9	155-3025	1	Shield, Heat
2	155-3043	1	Kit, Clamp - Muffler Mounting (Includes 2 Clamps)	10	155-2175	1	Clamp, Muffler
3	155-4015	1	Tray, Muffler	11	155-3040	1	Pipe, Flexible - Exhaust
4	800-0090	4	Screw, Cap - Hex Head (1/2-13 x 1")	12	155-3046	1	Gasket, Exhaust
5	862-0016	4	Nut, Hex (1/2-13)	13	800-0134	4	Screw, Cap - Hex Head (5/8-11 x 2")
6	850-0060	4	Washer, Lock - Spring (1/2")	14	850-0070	4	Washer, Lock - Spring (5/8")
7	821-5003-03	4	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")	15	862-0007	4	Nut, Hex (5/8-11)
8	821-5002-03	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	16	870-0550-07	2	Nut, Hex - Flange (5/16-18)
				17	821-5004-01	2	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1/2")

Radiator

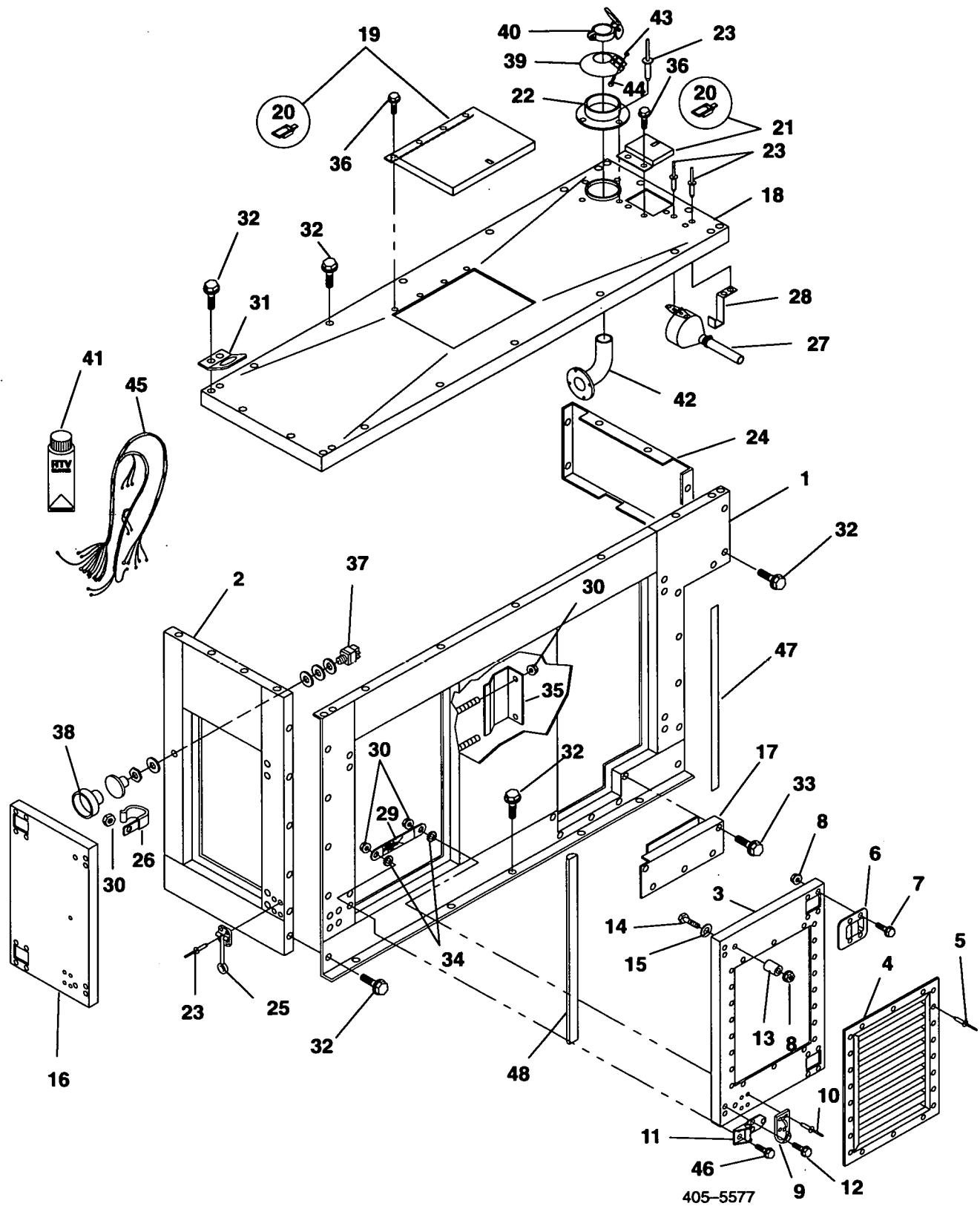


179-1436

Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4558	1	Guard, Radiator - Left Side	27	821-5004-02	4	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
2	130-4557	1	Guard, Radiator - Right Side	28	800-2068	4	Screw, Cap - Hex Head (M8 x 75mm)
3	130-3089	1	Support, Grille - Upper	29	526-2100	4	Washer, Flat (M8)
4	130-4559	1	Support, Grille - Lower	30	870-0281	9	Nut, Hex - Locking (3/8-16)
5	130-4609	1	Wrapper, Fan Shroud	31	503-0446	4	Clamp, Hose
6	130-3092	2	Shroud, Fan	32	505-0018	1	Bushing, Reducer (1/2" to 1/4")
7	130-4357-01	1	Radiator (Includes Coolant Overflow Hose)	33	502-1162	4	Connector, Hose (1/4" Pipe to 3/8" Hose)
8	503-0276	-	Hose - Bulk (5/16" ID) (Order By The Foot - 4 Feet Required)	34	332-2634	2	Clamp, "J"
9	130-3161	1	Fan, Radiator (6 Blade)	35	504-0011	1	Valve, Drain (1/2")
10	130-3069-01	1	Guard, Fan - Right Side (Top)	36	501-0658	1	Hose, Radiator Drain (48")
11	130-3069-02	1	Guard, Fan - Left Side (Bottom)	37	193-0329	1	Switch, Coolant Level
12	130-3088	1	Grille	38	821-0013	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1")
13	505-0017	1	Bushing, Reducer (3/8" to 1/4")	39	856-1006	2	Washer, Lock - W/EIT (1/4")
14	130-4617	1	Cap, Radiator (Includes Chain and Split Ring)	40	503-0304	-	Hose - Bulk (3/8" ID) (Order By The Foot - 5 Feet Required)
15	503-1929	1	Hose, Radiator - Lower	41	505-0038	1	Elbow, Pipe - 90 Deg (1/4")
16	503-1391-01	2	Hose, Radiator (3-1/2" Long)	42	815-0652	1	Screw, Cap - Hex Head - Thread Forming (#10-32 x 1/2")
17	503-0465	2	Clamp, Hose	43	155-3033	1	Support, Muffler Tray
18	503-0365	4	Clamp, Hose	44	193-0461	1	Bracket, Mounting - Coolant Level Switch
19	130-3082	1	Spacer, Fan	45	130-3083	1	Tube, Radiator - Upper
20	130-3085	1	Guard, Belt - Right Side	46	505-0060	1	Tee, Pipe (3/8")
21	130-3086	1	Guard, Belt - Left Side	47	505-0101	2	Nipple, Pipe - Close (3/8")
22	821-5003-01	4	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")	48	505-0019	1	Bushing, Reducer (1/2" to 3/8")
23	505-0099	1	Nipple, Pipe - Close (1/4")	49	193-0464	1	Kit, Repair - Coolant Level Switch (Includes All Parts Except Case/Body)
24	821-5002-03	32	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
25	821-5002-04	10	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")				
26	821-5004-01	18	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1/2")				

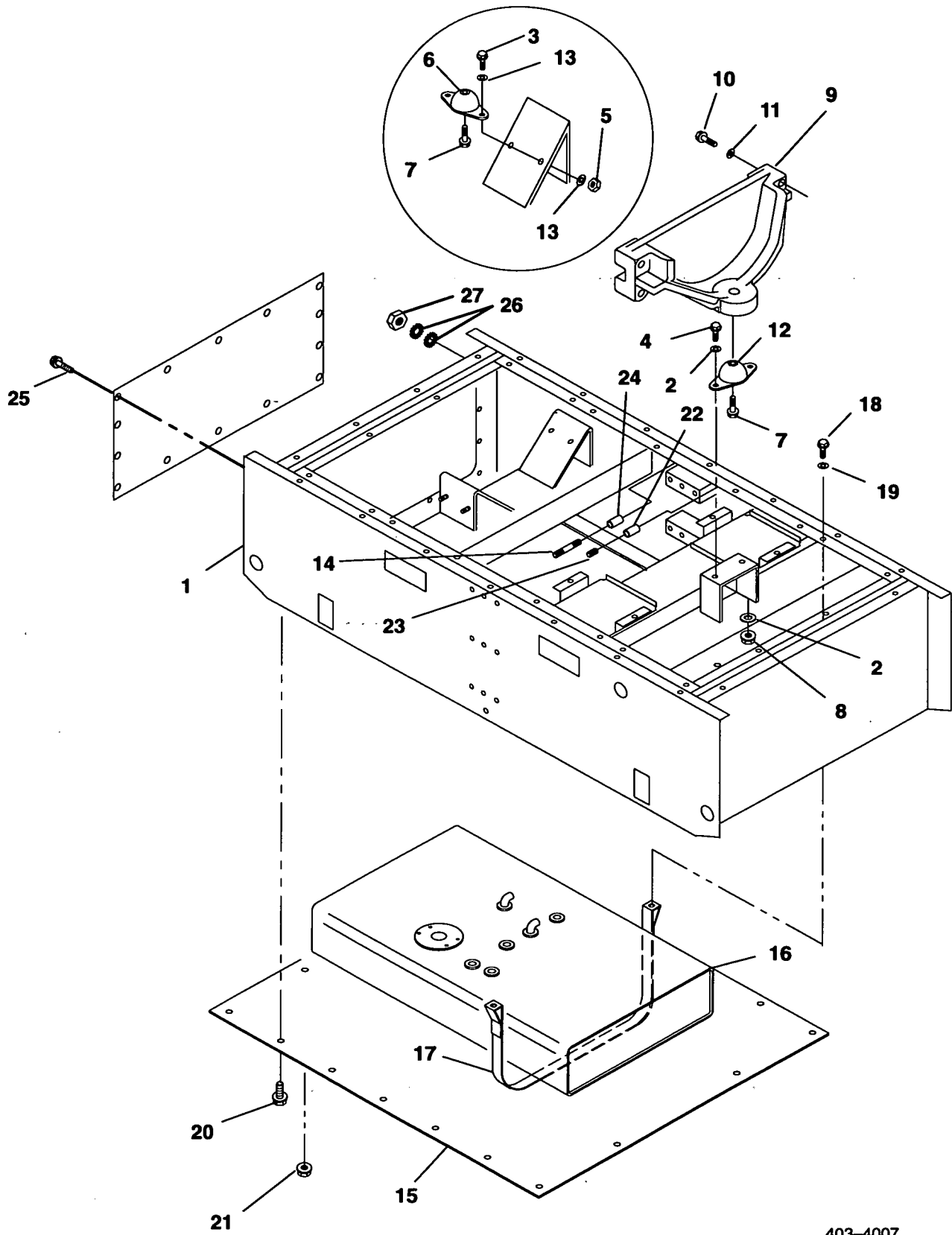
Housing 50DGCB77415K



Housing 50DGC77415K

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Panel, Side	29	226-4720	5	Lead, Ground
	405-5607	1	Left Side	30	870-0212	31	Nut, Hex - Locking (1/4-20)
	405-5613	1	Right Side	31	403-4029	4	Bracket, Lifting
2	405-5602	1	Panel, End - Rear	32	821-5004-02	64	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
3			Door, Side (With Opening For Louver)	33	821-5003-01	10	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
	405-5600	2	Left Side - Rear, Right Side - Front	34	853-0013	10	Washer, Lock - W/ET (1/4")
	405-5598	1	Left Side - Front	35	405-5642	10	Catch, Door
4	405-5650	3	Louver	36	821-5002-04	6	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
5	818-0233	48	Rivet	37	308-1068	1	Switch, Pushbutton - Emergency Stop (S19)
6	405-5643	10	Latch, Door	38	308-1069	1	Shroud, Switch
7	821-5000-05	40	Screw, Locking - Hex Head W/Captive Washer (#10-32 x 1/2")	39	155-3057	1	Shield, Rain
8	870-0131	45	Nut, Hex - W/ET (#10)	40	155-0986	1	Cap, Rain
9	406-0818	5	Latch, Hook	41			Sealant, Silicone - RTV
10	818-0231-02	20	Rivet		524-0109	1	11 oz. Cartridge
11	406-0817	10	Hinge, Door		524-0109-01	1	3 oz. Tube
12	821-0011	30	Screw, Self-Locking - Hex Washer Head (1/4-20 x 7/8")	42	155-3034	1	Flange, Exhaust (Includes Gasket and Mounting Hardware)
13	406-0816	5	Bumper, Door Stop	43	871-0010	1	Nut, Hex - Brass (#10-32)
14	815-0359	5	Screw, Slotted - Hex Head (#10-32 x 7/8")	44	815-0287	1	Screw, Machine - Hex Head - Brass (#10-32 x 1-3/8")
15	526-0008	5	Washer, Flat (#10)	45	338-3394	1	Harness, Wiring - Emergency Stop (4 Wire) (TB31 to S19)
16			Door (Without Opening For Louver)	46	821-0015	20	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/4")
	405-5550	1	End - Rear	47	895-0380	-	Tape - Bulk (1/2" Wide) (Order By The Foot - 112 Feet Required) (Used on doors, door frames and battery access covers)
	405-5601	1	Right Side - Rear				Seal, Foam - Used on Doors (1/2" x 1/2")
17	405-5647	2	Cover, Battery Access				Doors Without Opening For Louvers
18	405-5644	1	Roof				End - Rear
19	405-5661	1	Hatch Assembly, Roof (Includes Latch, Seal and RTV Sealant)		895-0379-01	2	Top and Bottom (23-3/4")
20	406-0822	2	Latch		895-0379-05	2	Sides (40-1/4")
21	405-5662	1	Hatch Assembly, Roof - Radiator (Includes Latch, Seal and RTV Sealant)				Right Side - Rear
22	405-5653-01	1	Flange, Roof		895-0379-02	2	Top and Bottom (24-3/4")
23	818-0231-02	28	Rivet		895-0379-04	2	Sides (40")
24	405-5645	1	Panel, Front				Doors With Opening For Louvers
25	406-0819	5	Latch, Eye		895-0379-02	6	Top and Bottom (24-3/4")
26	332-2634	1	Clamp, "J" - Insulated (Wiring harness retainer for emergency stop pushbutton switch)		895-0379-04	6	Sides (40")
27	417-0221-01	1	Funnel (Includes Hinge, Rivets, Hose and Clamp)				
28	405-5635	1	Bracket, Funnel				

Skid

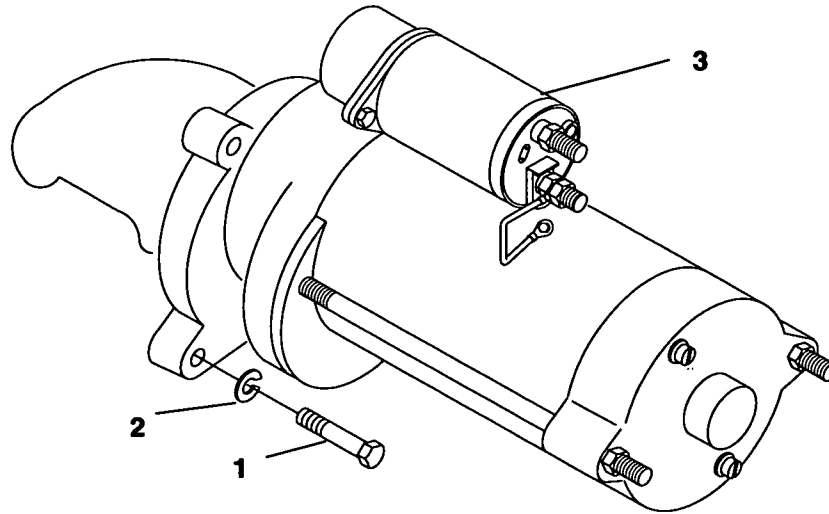


403-4007

Skid

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3987	1	Skid (Includes End Cover)	13	526-0249	8	Washer, Flat (7/16")
2	526-0219	4	Washer, Flat (17/32")	14	505-0332	1	Nipple, Pipe (3/4" x 3")
3	800-0605	4	Screw, Cap - Hex Head (7/16-14 x 1-1/4")	15	403-4009	1	Plate
4	800-0558	2	Screw, Cap - Hex Head (1/2-13 x 1-1/2")	16	415-0820	1	Tank, Fuel (58 Gallons)
5	870-0531-03	4	Nut, Hex - Locking (7/16-14)	17	415-0823	4	Strap, Fuel Tank
6	402-0568	2	Cushion, Vibration - Generator End	18	800-0233	8	Screw, Cap - Hex Head (3/8-16 x 4-3/4")
7	800-0520	3	Screw, Cap - Hex Head (3/4-10 x 1")	19	526-0029	8	Washer, Flat (3/8")
8	870-0531-04	2	Nut, Hex - Locking (1/2-13)	20	821-5004-02	16	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
9	403-2567	1	Support, Engine	21	870-0550-09	2	Nut, Hex - Locking (3/8")
10	800-2121	4	Screw, Cap - Hex Head (M12 x 75mm)	22	505-0014	1	Coupling, Pipe (1/2")
11	850-2012	4	Washer, Lock - Spring (M12)	23	505-0100	1	Nipple, Pipe - Close (1/2")
12	402-0030	1	Cushion, Vibration - Engine End	24	505-0029	1	Coupling, Pipe (3/4")
				25	821-5004-02	12	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
				26	856-0013	2	Washer, Lock - W/EIT (1/2")
				27	862-0016	1	Nut, Hex (1/2-13)

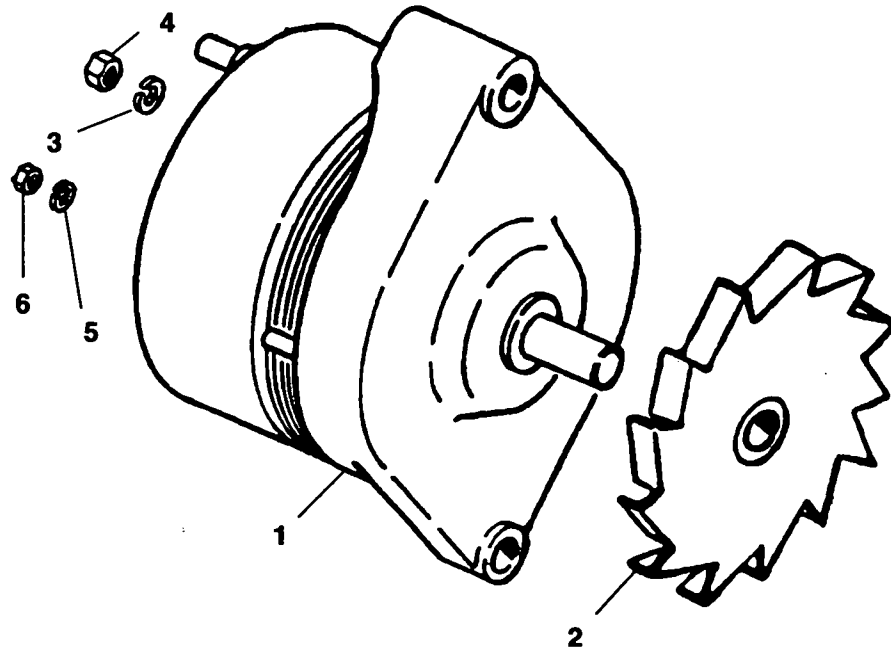
Starter



179-2629-05

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2088	3	Screw, Cap – Hex Head (M10 x 35mm)	2	850-2010	3	Washer, Lock – Spring (M10)
				3	191-2103	1	Starter – 24 VDC

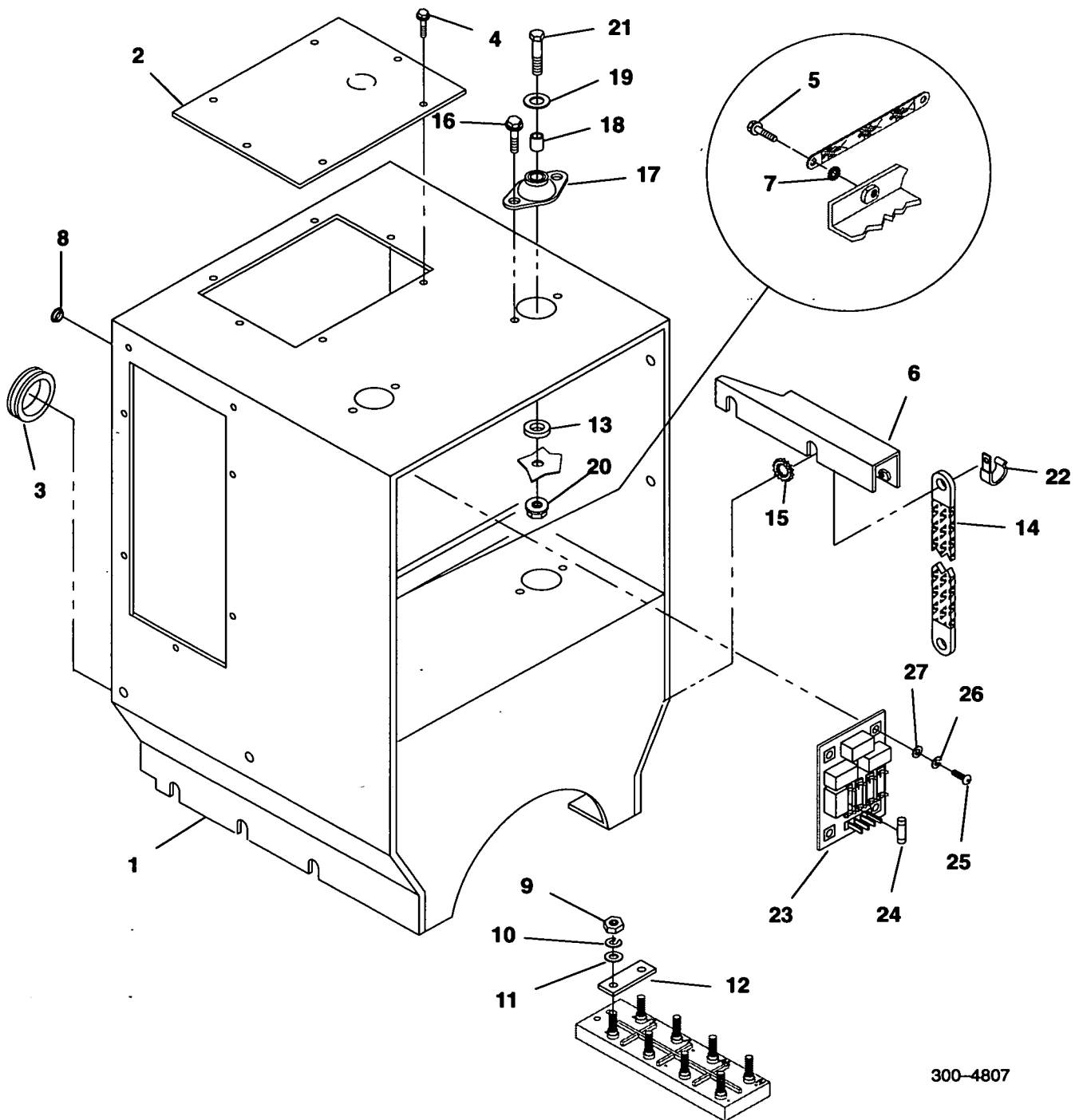
Alternator



179-2644-02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1983-02	1	Alternator - 24 VDC	3	850-2008	1	Washer, Lock - Spring (M8)
	191-2121	1	Regulator, Voltage - Alternator (Included With Alternator) (Not Illustrated)	4	860-2008	1	Nut, Hex (M8)
2	191-1981	1	Fan, Alternator	5	850-2005	2	Washer, Lock - Spring (M5)
				6	860-2006	2	Nut, Hex (M5)

Control Housing

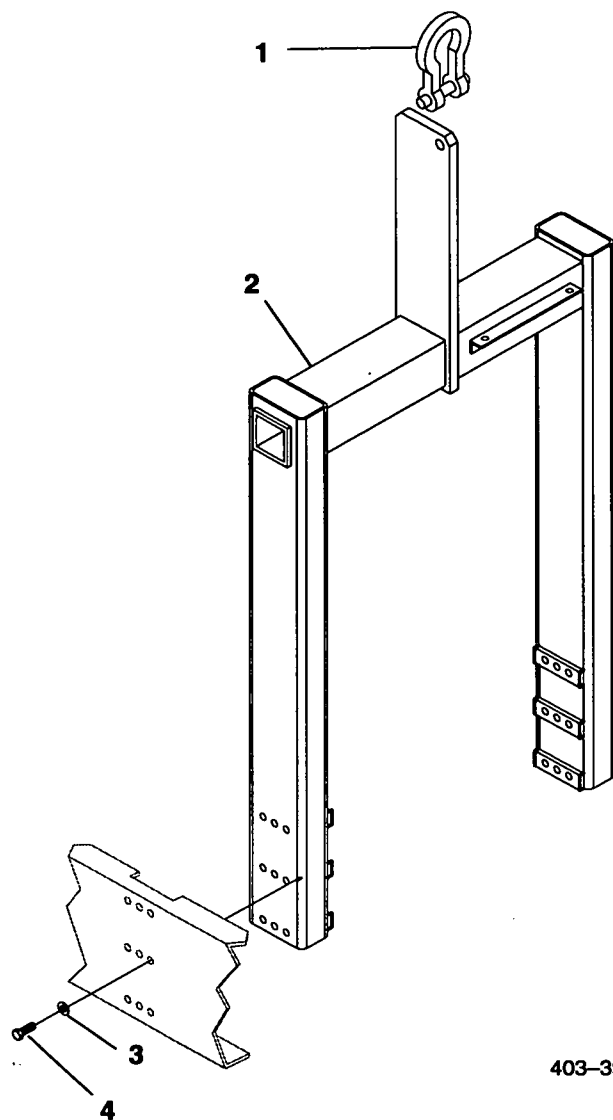


300-4807

Control Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2849	1	Housing, Control	16	815-0498	8	Screw, Hex Head - Thread Forming - With Coned Washer (#8-32 x 3/8")
2	319-0077	3	Panel	17	402-0698	4	Isolator, Vibration
3	508-1057	1	Grommet	18	402-0701	4	Collar, Isolator
4	815-0350	18	Screw, Self-Locking - Hex Washer Head - Slotted (#10-32 x 3/8")	19	402-0702	4	Washer, Isolator
5	821-0018	1	Screw, Self-Locking - Hex Washer Head ((1/4-20 x 5/8"))	20	870-0065	4	Nut, Hex - Flange (1/4-20)
6	319-2854	1	Bracket, Mounting - Governor Control	21	800-0010	2	Screw, Cap - Hex Head Top (1/4-20 x 1-3/4")
7	856-0006	1	Washer, Lock - W/EIT (1/4")	22	800-0012	2	Bottom (1/4-20 x 2-1/4")
8	517-0135	1	Plug, Hole (Fits 5/8" Hole)		332-2921	2	Clamp, "J" - Insulated 3/4" ID Holding Capacity In The Closed Position
9	860-2009	8	Nut, Hex (M10)		332-3196	1	1" ID Holding Capacity In The Closed Position
10	850-2010	8	Washer, Lock - Spring (M10)	23	314-0212	1	Module, RFI (Includes Fuses)
11	526-2120	8	Washer, Flat (M10)	24	321-0327-01	4	Fuse
12	332-2987	4	Link, Terminal	25	813-0107	4	Screw, Machine - Round Head (#10-32 x 1-1/4")
13			Spacer	26	850-0030	4	Washer, Lock - Spring (#10)
	370-4091	2	Top (1/4" Thk)	27	526-0008	4	Washer, Flat (#10)
	370-4092	2	Bottom (7/8" Thk)				
14	337-0090	1	Strap, Ground - Control Housing To Skid				
15	856-0013	1	Washer, Lock - W/EIT (1/2")				

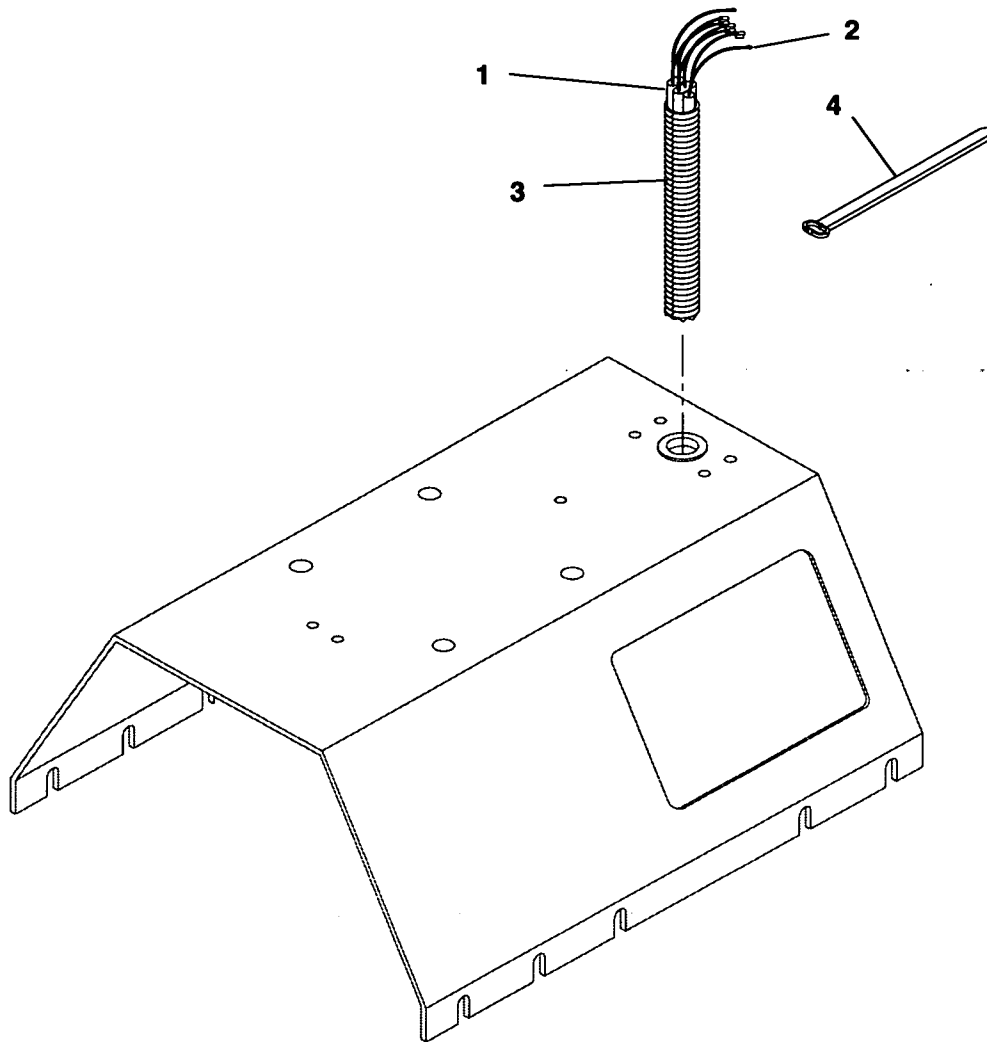
Generator Set Lift



403-3954

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4004	1	Shackle	4	800-0604	18	Screw, Cap – Hex Head (5/8-11 x 6")
2	403-3967	1	Lift				
3	526-0259	18	Washer, Flat – Hardened (5/8")				

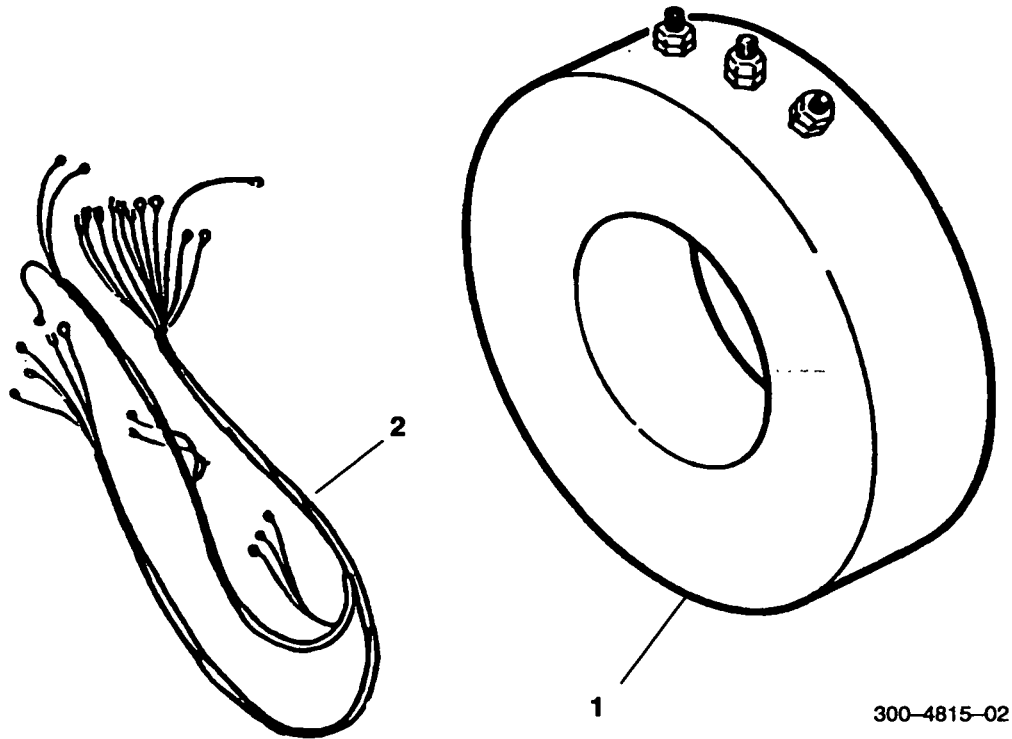
Wiring Shield



300-4825

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	314-0213	-	Shield, Wiring - Bulk (3" Wide) (Order By The Foot - 2 Feet Required)	4	332-1794	1	Tie, Cable (Quantity Used As Required)
2	226-4719	1	Lead (10")				
3	898-1195-03	-	Sleeving, Convoluted - Bulk (3/4" ID) (Order By The Foot - 2 Feet Required)				

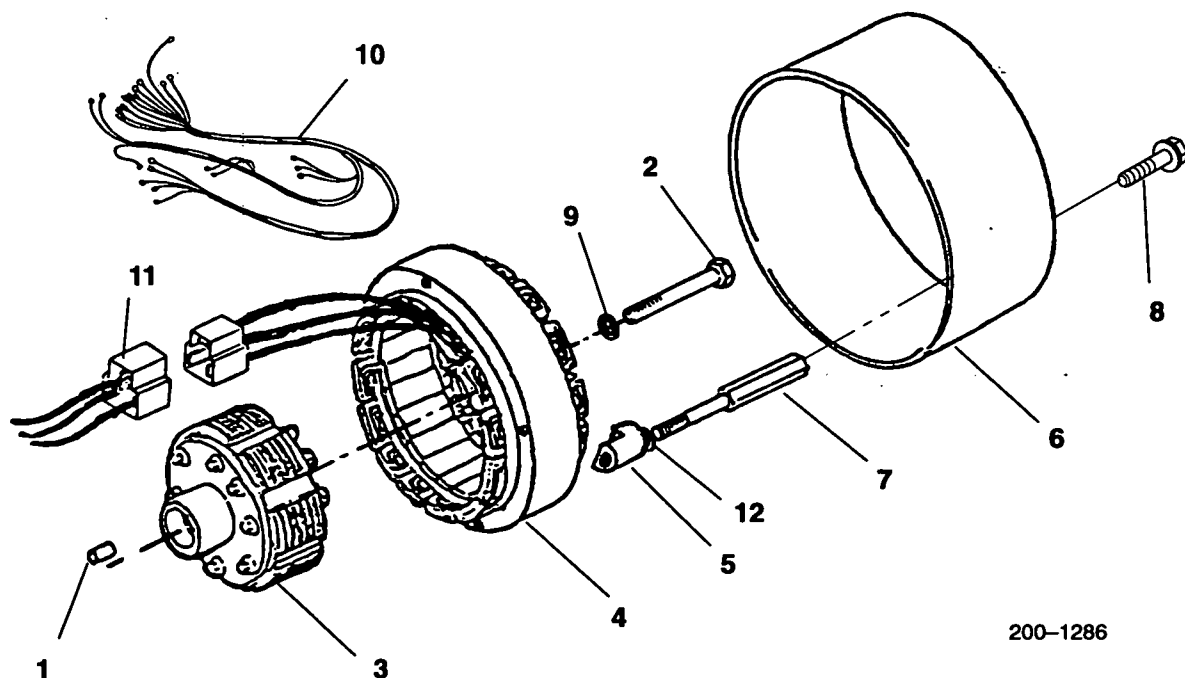
Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1845-05	3	Transformer, Current Ratio 150/5 or 300/5 (CT21, CT22, CT23)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	338-2229	1	Harness, Wiring

Permanent Magnet Exciter

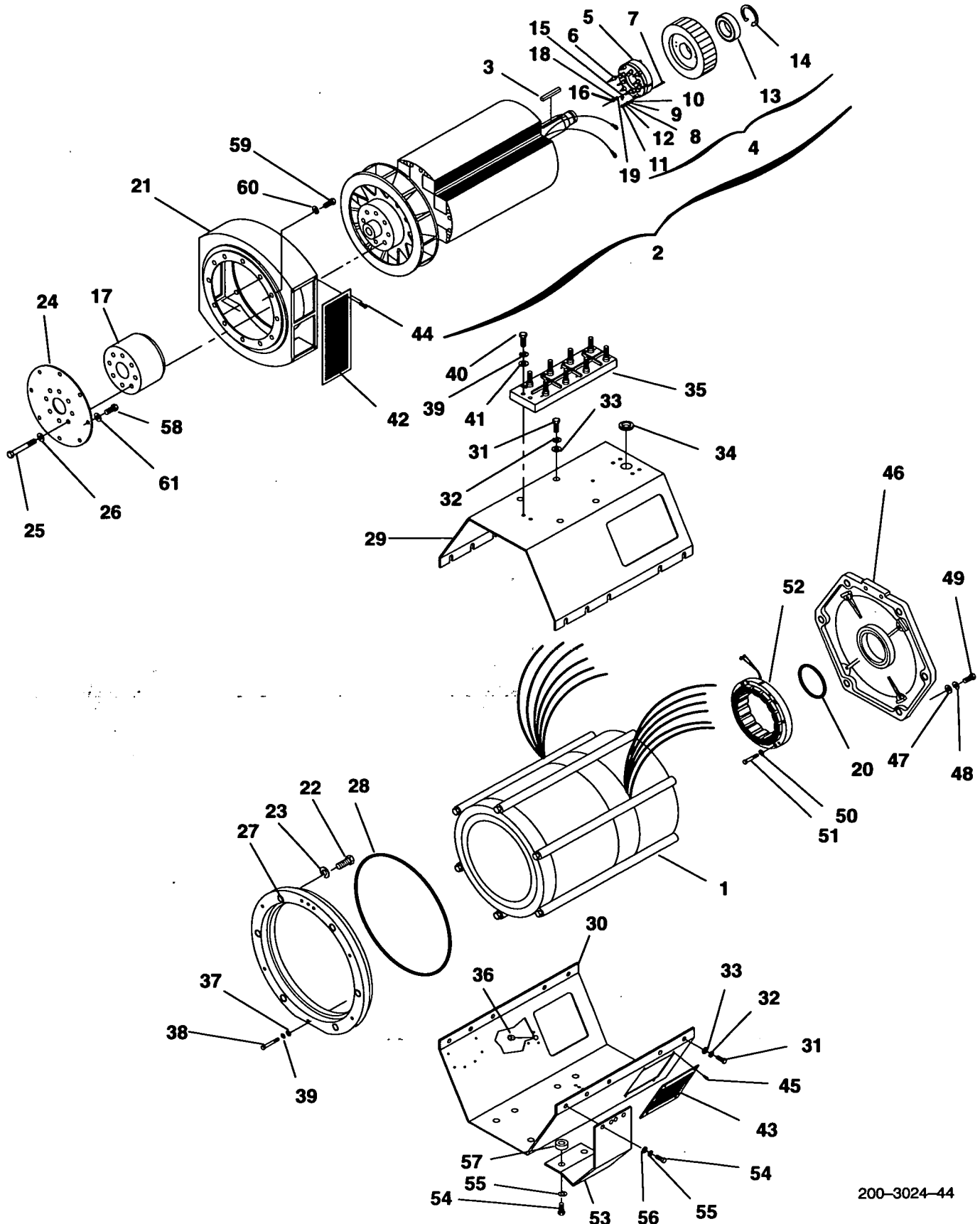


200-1286

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	775-0049	1	Pin, Dowel
2	815-0761-01	1	Bolt, Hex Head (M10 x 90mm)
3	201-3446	1	Rotor
4	220-4233	1	Stator
5	232-3511	4	Clamp
6	234-0875-02	1	Cover, End Bell
7	232-3462-02	4	Spacer
8	821-2020	4	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	850-2010	1	Washer, Lock - Spring (M10)
10	338-3149	1	Harness, Wiring (AUX-P2,P3,P4 to VR21-P2,P3,P4) (3 Wire) (40")
11	338-3265	1	Harness, Wiring (P2,P3,P4 to P2,P3,P4) (3 Wire) (30")
12	850-2006	4	Washer, Lock - Spring (M6)

Generator

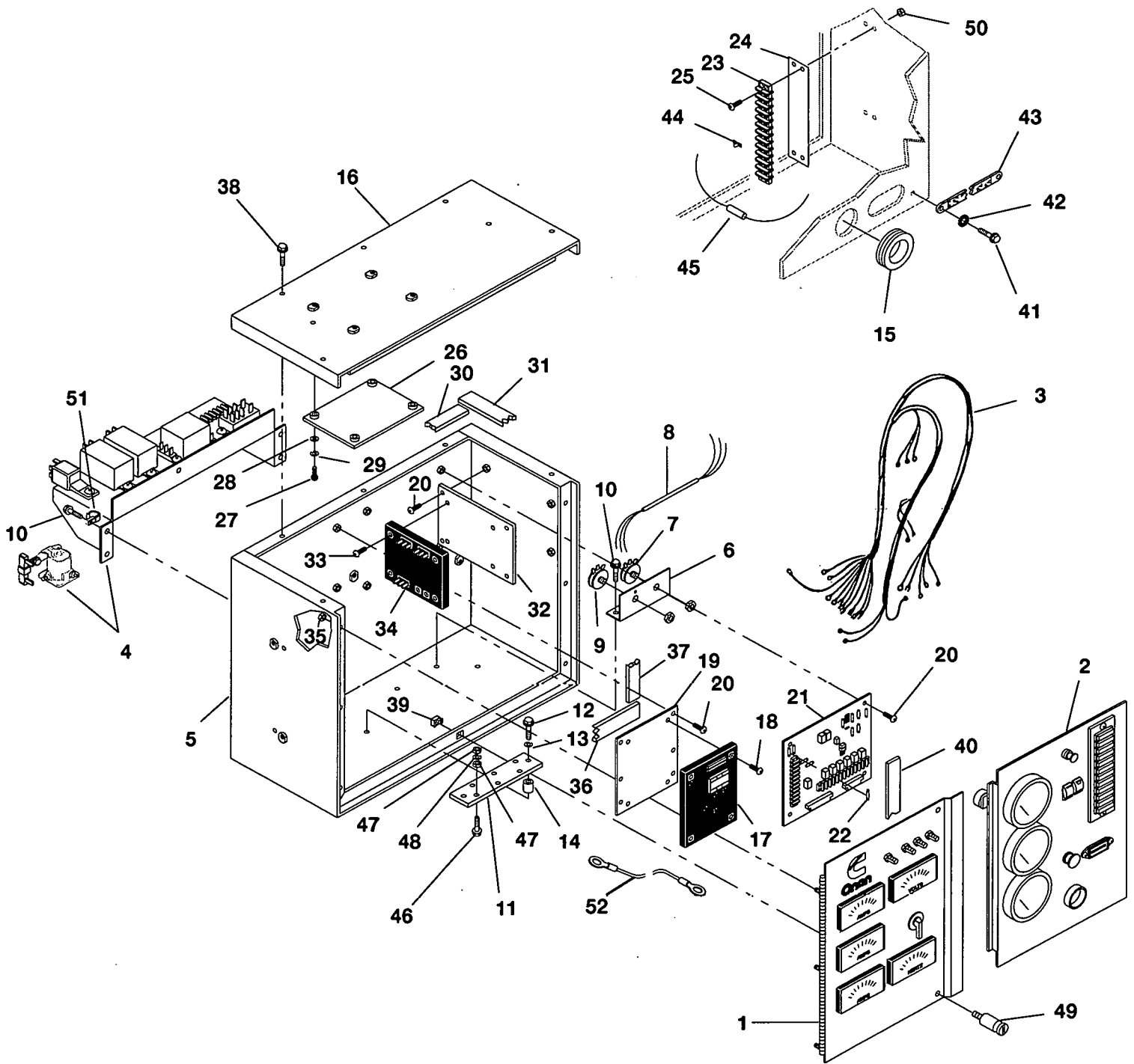


200-3024-44

Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	220-4447-14	1	Stator, Generator	31	800-3017-37	10	Screw, Cap - Hex Head (M10 x 25mm)
2	201-3496-04	1	Rotor Assembly, Generator (Includes Parts Marked *)	32	850-0114-55	10	Washer, Lock - Spring (M10)
3	515-0298-02	1	*Key, Exciter Rotor	33	526-0399-62	10	Washer, Flat (M10)
4	201-3434-02	1	*Rotor Assembly, Exciter (Includes Parts Marked #)	34	508-1057	1	Grommet
5			*#Rectifier Assembly (Includes Parts Marked +)	35	232-3421	1	Block, Terminal
	357-0091	1	Forward (With Positive Diode)	36	517-0135	1	Plug, Hole
	357-0092	1	Reverse (With Negative Diode)	37	232-3441	6	Washer, End Bell (Special)
				38	800-3017-20	6	Screw, Cap - Hex Head (M8 x 25mm)
6			*#+Diode	39	850-0114-54	9	Washer, Lock - Spring (M8)
	358-0135-01	3	Positive	40	800-2060	3	Screw, Cap - Hex Head (M8 x 35mm)
	358-0135-02	3	Negative	41	526-2100	3	Washer, Flat (M8)
7	800-3009	6	*#+Screw, Cap - Hex Head (M4 x 35mm) (CR1,2,3,4,5,6)	42	234-0903	2	Guard, Fan - Generator
8	860-2005	6	*#+Nut, Hex (M4)	43	234-0878	2	Screen, Air Inlet
9	850-2004	6	*#+Washer, Lock - Spring (M4)	44	821-6001-01	8	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)
10	526-2050	6	*#+Washer, Flat (M4)	45	821-6001-02	8	Screw, Self-Locking - Hex Washer Head (M5 x 12mm)
11	870-2064-01	6	*#Nut, Locking - Nylon (M4)	46	211-0422	1	Bell, End
12	526-2050	6	*#Washer, Flat (M4)	47	232-3441	6	Washer, End Bell (Special)
13	510-0165	1	*Bearing, Ball	48	850-0114-54	6	Washer, Lock - Spring (M8)
14	518-0122	1	*Ring, Retaining	49	800-3017-20	6	Screw, Cap - Hex Head (M8 x 25mm)
15	304-0807	1	*Varistor	50	850-2006	4	Washer, Lock - Spring (M6)
16	860-2006	2	*Nut, Hex (M5)	51	800-2042	4	Screw, Cap - Hex Head (M6 x 60mm)
17	232-3438	1	*Hub, Drive - Generator	52	220-4293-05	1	Stator, Exciter
18	850-2005	2	*Washer, Lock - Spring (M5)	53	232-3452	2	Bracket, Mounting - Generator Foot
19	526-2060	2	*Washer, Flat (M5)	54	800-3017-38	8	Screw, Cap - Hex Head (M10 x 30mm)
20	509-0266-01	1	O-Ring	55	850-0114-55	8	Washer, Lock - Spring (M10)
21	231-0328	1	Adapter, Generator	56	526-0399-62	4	Washer, Flat (M10)
22	800-3017-41	6	Screw, Cap - Hex Head (M10 x 45mm)	57	232-3730-03	4	Spacer, Mounting Foot
23	850-0114-55	6	Washer, Lock - Spring (10)	58	805-0018	8	Bolt, Place (3/8-16 x 1")
24	232-3699	2	Disc, Drive - Generator	59			Screw, Cap - Hex Head (M10) 35mm Long
25	720-1119	8	Screw, Cap - Hex Head (M16 x 40mm)		800-2088	8	45mm Long
26	526-0259	8	Washer, Flat (5/8") Hardened		800-2090	4	
27	231-0318	1	Adapter, Generator Stator	60	850-2010	12	Washer, Lock - Spring (M10)
28	508-0139	-	Seal, Edging - Bulk (Order By The Foot - 2 Feet Required)	61	526-0174	8	Washer, Flat (3/8")
29	234-0936-02	1	Cover, Stator - Top				
30	232-3819-02	1	Cover, Stator - Bottom				

Control

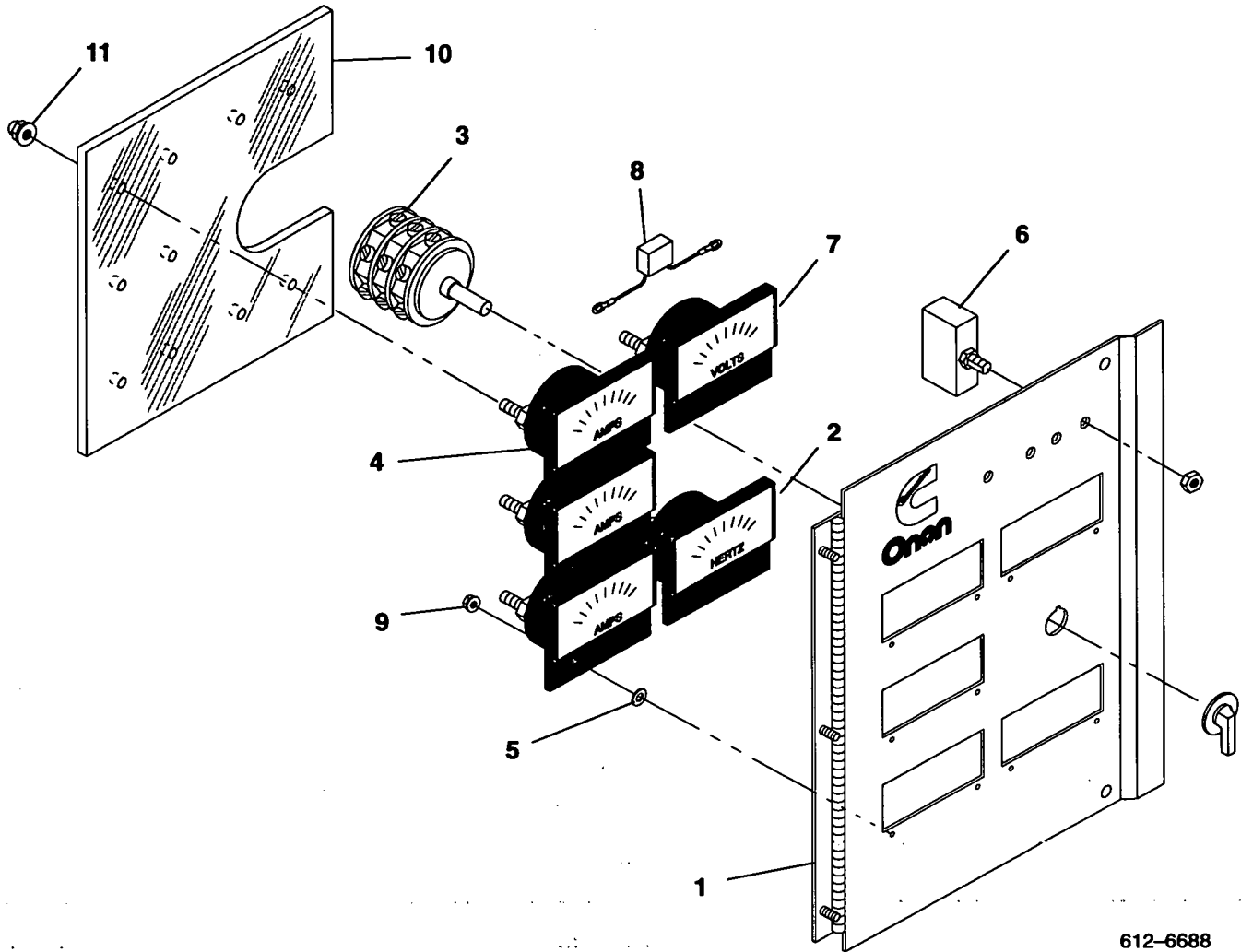


612-6688

Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	-	1	Door Assembly, Control - AC (See Separate Page For Components)	23	332-0607	1	Block, Terminal (12 Place) (TB21)
2	-	1	Door Assembly, Control - DC (See Separate Page For Components)	24	332-2723	1	Strip, Marker (12 Place)
3	-	1	Harnesses, Wiring (See Separate Page For Components)	25	812-0065	4	Screw, Machine - Round Head (#6-32 x 5/8")
4	-	1	Panel, Relay - Control (See Separate Page For Components)	26	305-0868	1	Transformer, Isolation (T30)
5	319-2866	1	Box, Control	27	813-0108	4	Screw, Machine - Round Head (#10-32 x 1-1/2")
6	319-2871	1	Bracket, Mounting	28	526-0008	4	Washer, Flat (#10)
7	303-0280	1	Potentiometer - Speed Adjust (R11)	29	850-0030	4	Washer, Lock - Spring (#10)
8	334-0116	-	Cable, Shielded - Bulk (Order By The Foot - 8 Feet Required)	30	895-0368	1	Gasket, Cover - Rear
9	303-0285	1	Potentiometer - Voltage Adjust (R21)	31	895-0369	2	Gasket, Cover - Side
10	821-0008	7	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/16")	32	319-0754	1	Plate, Mounting
11	337-2940	1	Bar, Ground	33	812-0082	4	Screw, Machine - Round Head (#8-32 x 3/4")
12	800-0052	2	Screw, Cap - Hex Head (3/8-16 x 1-1/2")	34	305-0902-02	1	Module, Overspeed (A16)
13	850-0050	2	Washer, Lock - Spring (3/8")	35	860-2006	6	Nut, Hex (M5)
14	332-1348	2	Spacer	36	895-0370	2	Gasket, Door - Top and Bottom
15	508-0051	2	Grommet (Fits 2" Hole)	37	895-0371	2	Gasket, Hinge
16	319-2869	1	Cover, Box	38	821-0004	5	Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16")
17	305-0823	1	Regulator, Voltage (VR21)	39	870-0431-07	2	Nut, Retainer
18	815-0540	4	Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 1")	40	895-0372	1	Gasket, Door
19	319-0652	1	Plate, Mounting	41	800-0024	1	Screw, Cap - Hex Head (5/16-18 x 1/2")
20	815-0544	16	Screw, Machine - Round Head Cross Recessed With IT (#6-32 x 1/2")	42	856-0008	1	Washer, Lock - W/EIT (5/16")
21	300-4822	1	Monitor, Engine (Includes Fuses) (A11)	43	337-0049	1	Strap, Ground
22			Fuse	44	332-1043	1	Jumper, Terminal
	321-0307-07	2	20 Amp (F1, F2)	45	350-1222	1	Resistor (R4)
	321-0307-06	1	15 Amp (F3)	46	821-0013	6	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1")
	321-0307-03	2	5 Amp (F4, F5)	47	862-0001	12	Nut, Hex (1/4-20)
				48	850-0040	12	Washer, Lock - Spring (1/4")
				49	406-0761-03	2	Fastener
				50	870-0183	2	Nut, Hex - W/ET (#6-32)
				51	332-2634	1	Clamp, "J"
				52	226-4720-01	1	Lead, Ground (100") (Control Ground Bar To Skid Ground Bar)

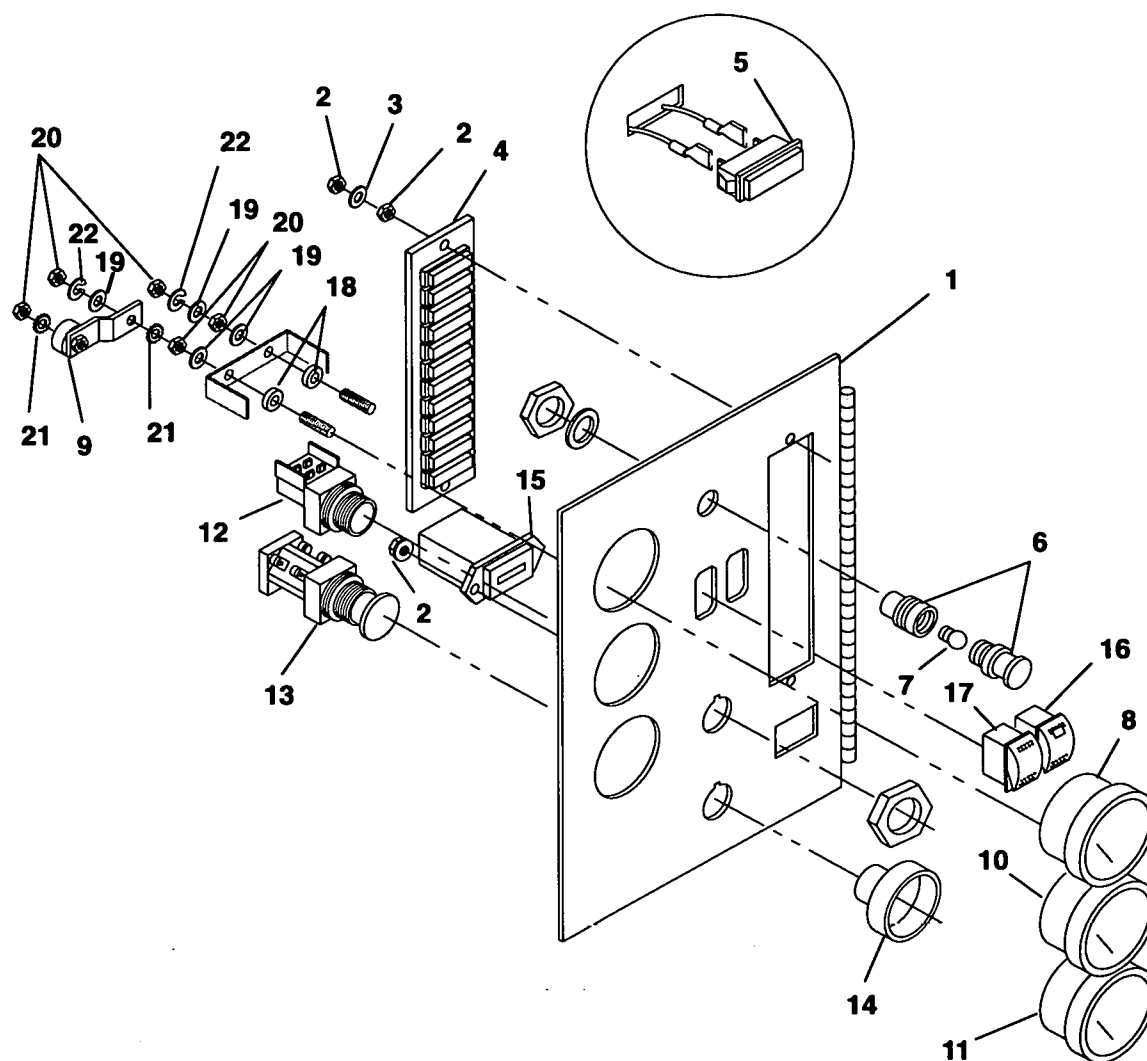
AC Control Door Assembly



612-6688

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2862	1	Door, Control - AC	6	320-1688-01	4	Breaker, Circuit (CB21,22,23,24)
2	302-1714	1	Meter, Frequency (Scale Reads 45 to 55) (M21)	7	302-1788-01	1	Voltmeter (Scale Reads 0-250/500) (M20)
3	308-1009-03	1	Switch, Selector (Includes Knob) (S10)	8	355-0189	1	Capacitor (For Voltmeter) (C21)
4	302-1805-02	3	Ammeter (Scale Reads 0-150) (M22,23,24)	9	870-1220	10	Nut, Hex - W/ET (#4-40)
5	526-0001	10	Washer, Flat (#4)	10	319-2872	1	Cover, Meter - Lexan
				11	870-0439	10	Nut, Acorn - Nylon (1/4-28)

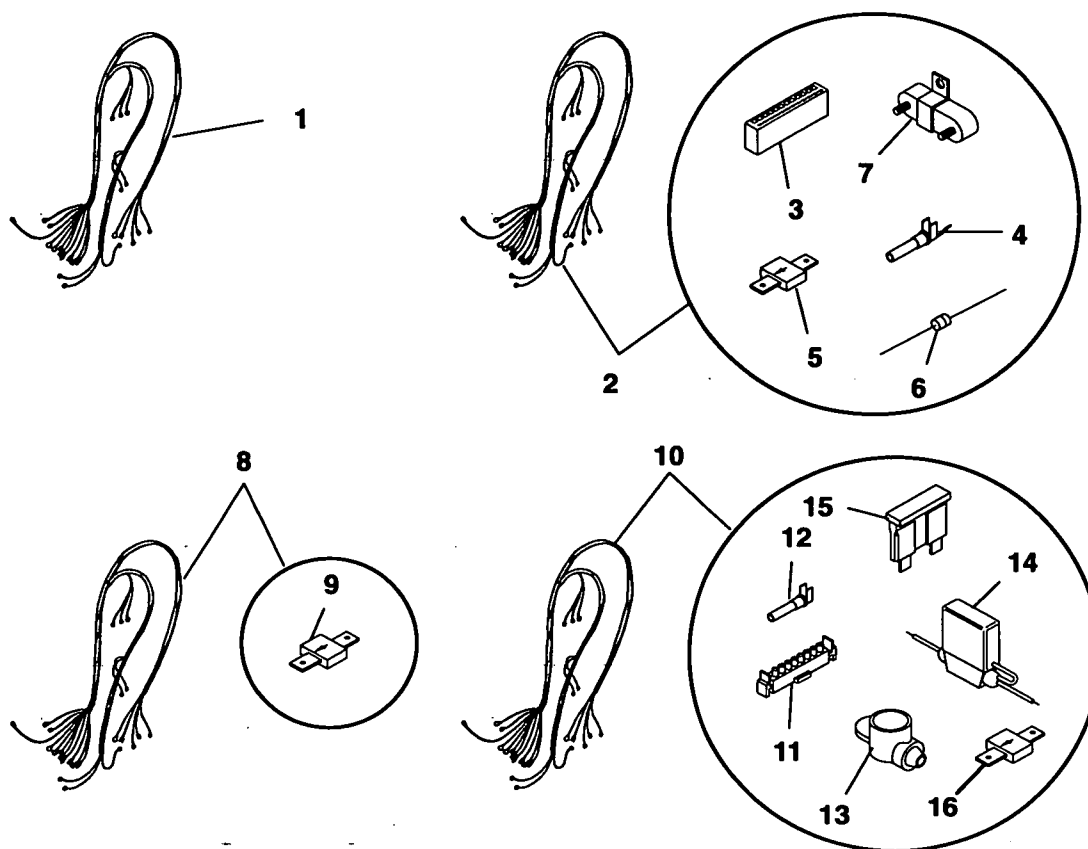
DC Control Door Assembly



612-6688

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2863	1	Door, Control - DC	11	302-1642	1	Voltmeter (M13)
2	870-1220	6	Nut, Hex - W/ET (#4-40)	12	308-1065	1	Switch, Pushbutton - Horn Reset (S14)
3	526-0196	2	Washer, Flat (7/32" OD x 7/16" ID x 1/8" Thk)	13	308-1066	1	Switch, Pushbutton - Emergency Stop (S18)
4	322-0464	1	Light Assembly, Indicator - 12 Light (Includes Wiring Harness and Connector Housing) (A12)	14	308-1067	1	Shroud, Switch
5	322-0369-03	1	Light, Indicator - Replacement	15	302-0885	1	Meter, Time Totalizing (M14)
6	322-0361	1	Light, Panel (DS11)	16	308-1010	1	Switch, Rocker - Test/Reset/ Lamp Switch (S11)
7	322-0004	1	Bulb, Panel Light - Replacement	17	308-1075	1	Switch, Rocker - Run/Stop Switch (S12)
8	193-0466	1	Gauge, Oil Pressure (M11)	18	526-0409	8	Spacer, Nylon
9	193-0250	2	Resistor (Mounted on Oil Pressure and Coolant Temperature Gauges) (R2,R3)	19	526-0049	18	Washer, Flat (#10)
10	193-0351	1	Gauge, Coolant Temperature (M12)	20	871-0010	18	Nut, Hex (#10-32)
				21	853-0008	4	Washer, Lock - W/ET (#10)
				22	850-0030	8	Washer, Lock - Spring (#10)

Wiring Harness



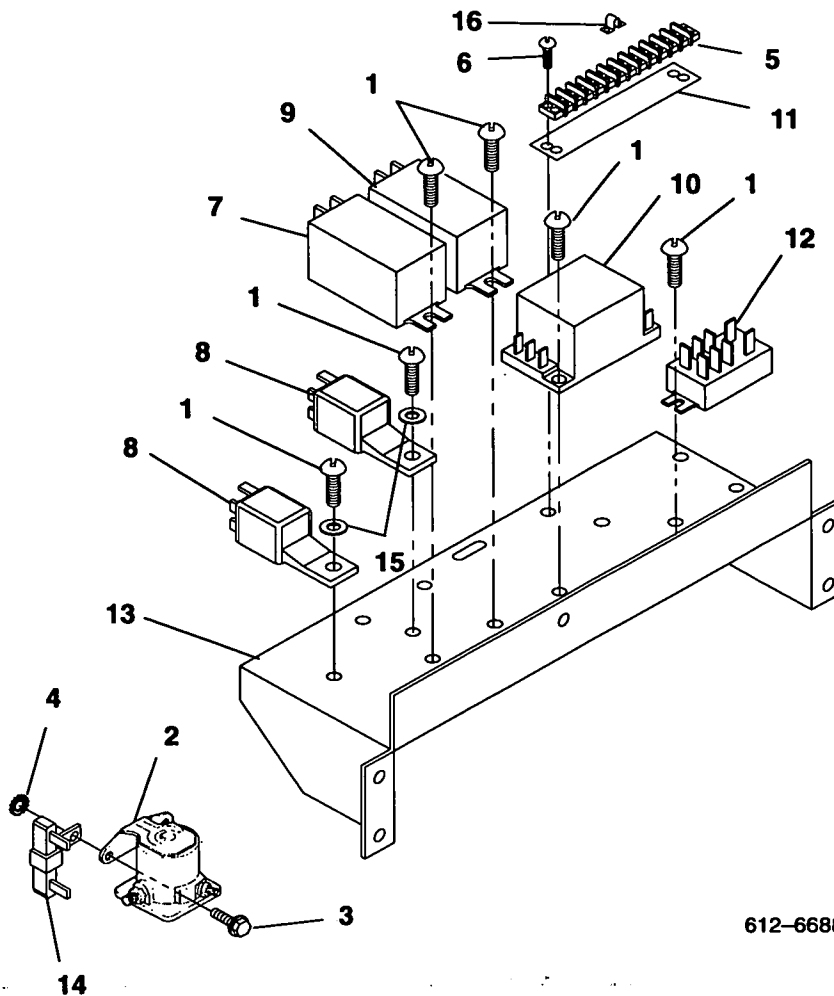
612-6688

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3364	1	Harness, Wiring AC Control Door	13	416-1021-01	5	Boot, Terminal # Colored Black (Used On Harness Wire Ends Marked E1-1, E1-2, S1-1, S1-2, G1-GND)
	338-3369	1	Generator Reconnection Terminal Block to AC Control Door Circuit Breakers and Control Box Terminal Block		416-1021-02	1	# Colored Red (Used On Harness Wire End Marked G1-D+)
2	338-3367	1	Harness, Wiring - DC Control Door (Includes Parts Marked *)		416-1021-03	1	# Colored Red (Used On Harness Wire End Marked G1-B+)
3	323-1308	1	*Housing, Connector - 12 Place (J4)		416-1021-04	1	# Colored Red (Used On Four Harness Wire Ends Marked T26)
4	323-1302	7	*Pin, Contact (Used In J4)	14	321-0325	2	#Holder, Fuse Fuse
5	357-0030	1	*Rectifier (CR1)	15	321-0307-05	1	# 10 Amp (Colored Red) (F30)
6	359-0051	1	*Diode (CR2)		321-0307-06	1	# 15 Amp (Colored Light Blue) (F20)
7	353-0094-01	1	*Resistor (R1)	16	357-0030	1	#Rectifier (D5)
8	338-3368	1	Harness, Wiring - Control Relay Panel (Includes Rectifiers)				
9	357-0030	7	Rectifier (D1, D2, D3, D4, D6, D7, D8)				
10	338-3370	1	Harness, Wiring - Engine To Control (Includes Parts Marked #)				
11			Housing, Connector				
	323-1306	1	# 8 Place (J1)				
	323-1304	1	# 6 Place (J2)				
12	323-1200	11	#Socket, Contact (Used In J1,J2)				

* - Parts Included In Wiring Harness 338-3367

- Parts Included In Wiring Harness 338-3370

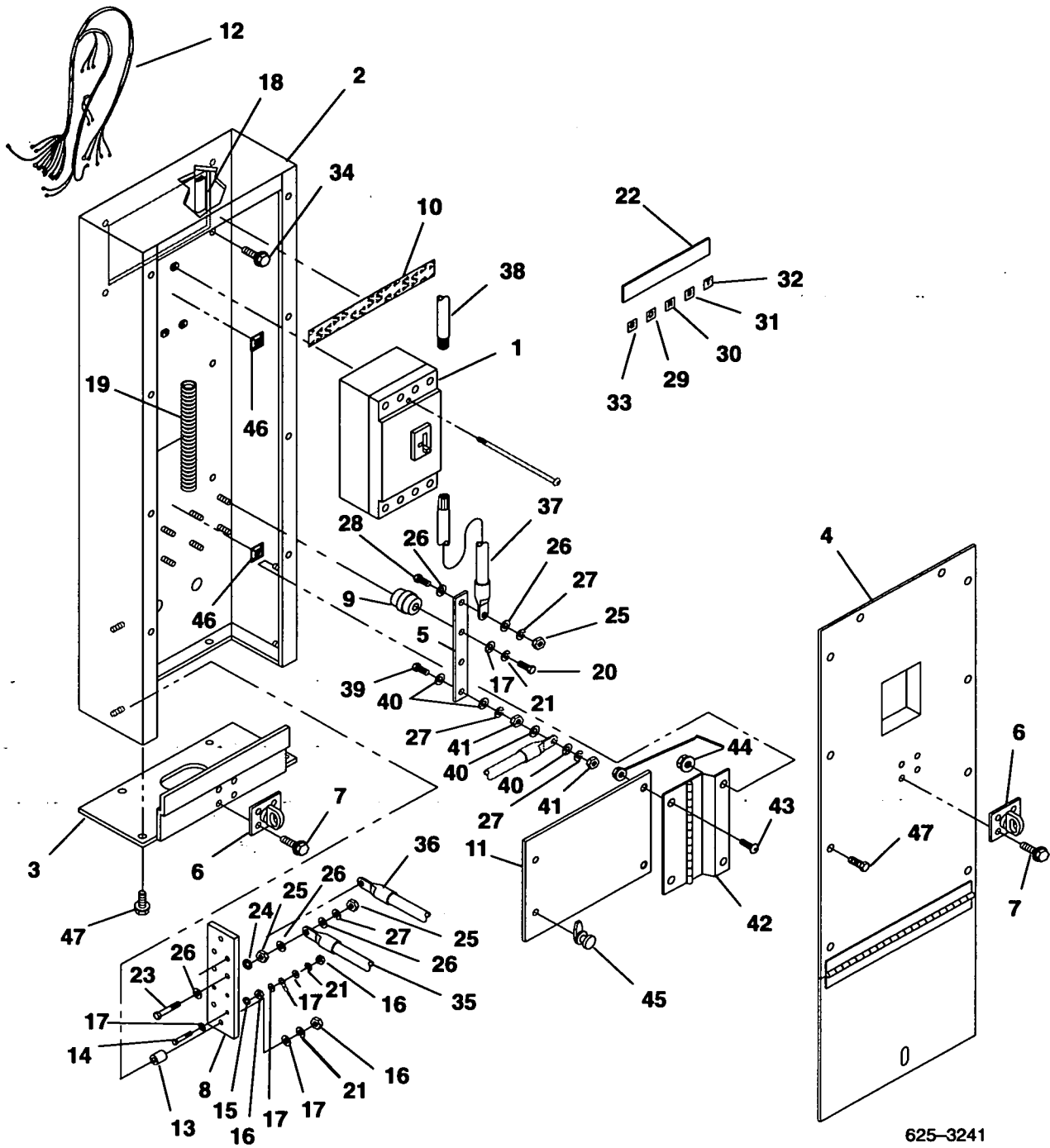
Control Relay Panel



612-6688

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0544	10	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	7	307-2862	1	Relay, Horn Reset (K7)
				8	307-2817-02	2	Relay – Horn Start (K6) and High Fuel Level (K8)
2	307-2167	1	Relay, Start Solenoid (K2)	9	307-2863	1	Relay, Time Delay (K5)
3	821-0010	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	10	307-2864	1	Relay, Voltage Sensor (K4)
				11	332-3459	1	Strip, Marker – 12 Place
4	856-0006	1	Washer, Lock – W/EIT (1/4")	12	307-2865	1	Relay, Fuel Pump (K3)
5	332-0607	1	Block, Terminal – 12 Place (TB31)	13	319-2870	1	Bracket, Mounting – Relay
				14	353-0094-01	1	Resistor, Starting (R1)
6	812-0065	2	Screw, Machine – Round Head (#6-32 x 5/8")	15	526-0048	2	Washer, Flat (#8)
				16	332-1043	1	Jumper, Terminal

Circuit Breaker

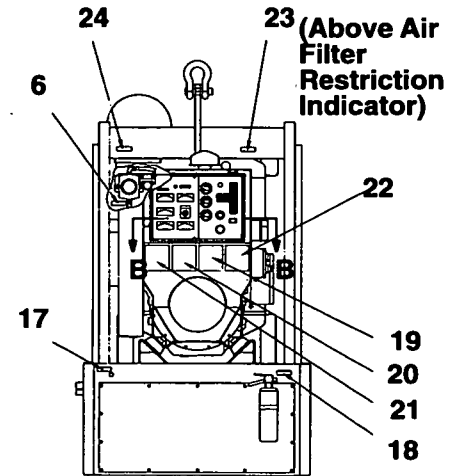
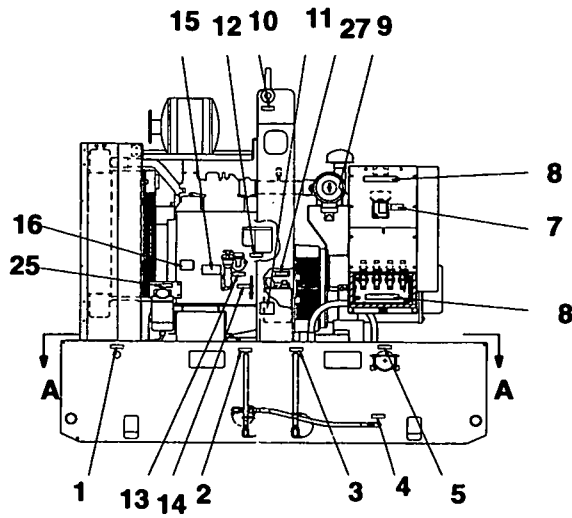
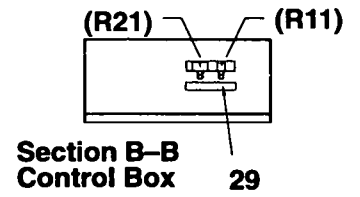
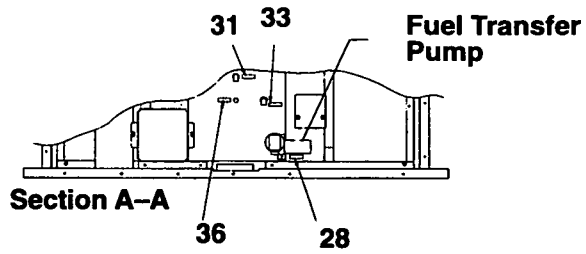


625-3241

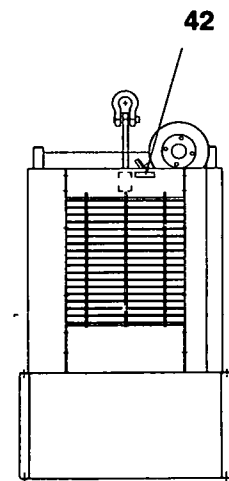
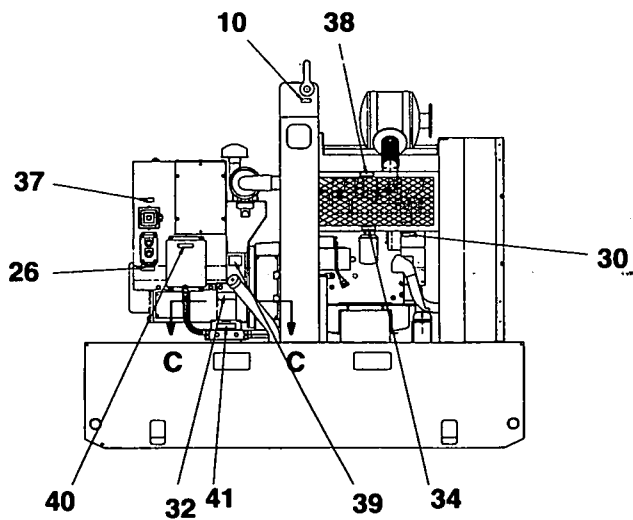
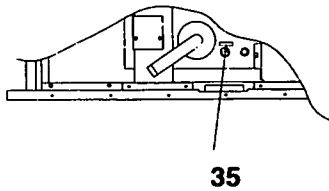
Circuit Breaker

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	320-1938-01	1	Breaker, Circuit (Includes Auxiliary Switches, Auxiliary Contacts, Shunt Trip, Bell Alarm, Lugs and Mounting Screws) (CB21)	27	850-0045	15	Washer, Lock - Spring (5/16")
2	319-2873	1	Box, Circuit Breaker	28	800-0027	4	Screw, Cap - Hex Head (5/16-18 x 7/8")
3	319-2882	1	Bottom, Box	29	098-5854-10	2	Label, Marker (10 Characters Per Card) Marked "O"
4	319-2883	1	Cover, Box	30	098-5854-11	2	Label, Marker (10 Characters Per Card) Marked "R"
5	337-2938	4	Bar, Bus - Phase Connection	31	098-5854-12	2	Label, Marker (10 Characters Per Card) Marked "S"
6	406-0812	2	Staple	32	098-5854-13	2	Label, Marker (10 Characters Per Card) Marked "T"
7	815-0506	8	Screw, Fillister Head - Cross Recessed W/Nylon Insert (#10-32 x 1/2")	33	098-5854-05	2	Label, Marker (10 Characters Per Card) Marked "G"
8	337-2939	1	Bar, Bus - Ground	34	821-0005	8	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2")
9	332-2744-01	8	Insulator, Standoff	35	226-4714-05	1	Lead - "G" Grounding Bus Bar to Skid (40")
10	895-0308	-	Tape, Sealing - Bulk (1/8" Thk x 1" Wide) (Order By The Foot - 12 Feet Required)	36	226-4714-06	1	Lead - Generator Neutral to "G" Grounding Bus Bar (52")
11	319-2889	1	Cover, Guard	37			Lead - Circuit Breaker to Phase Bus Bar
12	338-3363	1	Harness, Wiring - Circuit Breaker Box (S20,22,23 to CB GND)		226-4714-02	3	Circuit Breaker to "O", "R" and "S" Phase Bus Bar (9-1/2")
13	332-1348	2	Spacer, Mounting - Bus Bar		226-4714-01	1	Circuit Breaker to "T" Phase Bus Bar (10")
14	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")	38			Lead - Generator to Circuit Breaker (33")
15	856-0006	2	Washer, Lock - W/EIT (1/4-20)		226-0893	3	Unmarked
16	862-0001	8	Nut, Hex (1/4-20)		226-1587	1	Marked "LO"
17	526-0018	16	Washer, Flat (1/4")	39	800-2060	4	Screw, Cap - Hex Head (M8 x 35mm)
18	508-0305-02	-	Edging - Bulk (Order By The Foot - 3 Feet Required)	40	526-2100	16	Washer, Flat (M8)
19	898-1195-04	-	Sleeving, Convolute - Split - Bulk (Order By The Foot - 2 Feet Required)	41	860-2008	8	Nut, Hex (M8)
20	800-0005	8	Screw, Cap - Hex Head (1/4-20 x 3/4")	42	406-0829	1	Hinge
21	850-0040	10	Washer, Lock - Spring (1/4-20)	43	815-0506	2	Screw, Fillister Head - Cross Recessed W/Nylon Insert (#10-32 x 1/2")
22	091-0002	1	Strip, Copper (Used for wrapping ends of leads before securing to circuit breaker) (Quantity Used As Required)	44	870-0131	4	Nut, Hex - Locking - W/ET (#10-32)
23	800-0030	3	Screw, Cap - Hex Head (5/16-18 x 1-1/4")	45	406-0830	2	Latch, Cover (Includes Mounting Spacers)
24	856-0008	3	Washer, Lock - W/EIT (5/16")	46	332-2420	2	Mount, Tie
25	862-0015	10	Nut, Hex (5/16")	47	821-5002-04	14	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
26	526-0115	17	Washer, Flat (5/16")				

Labels

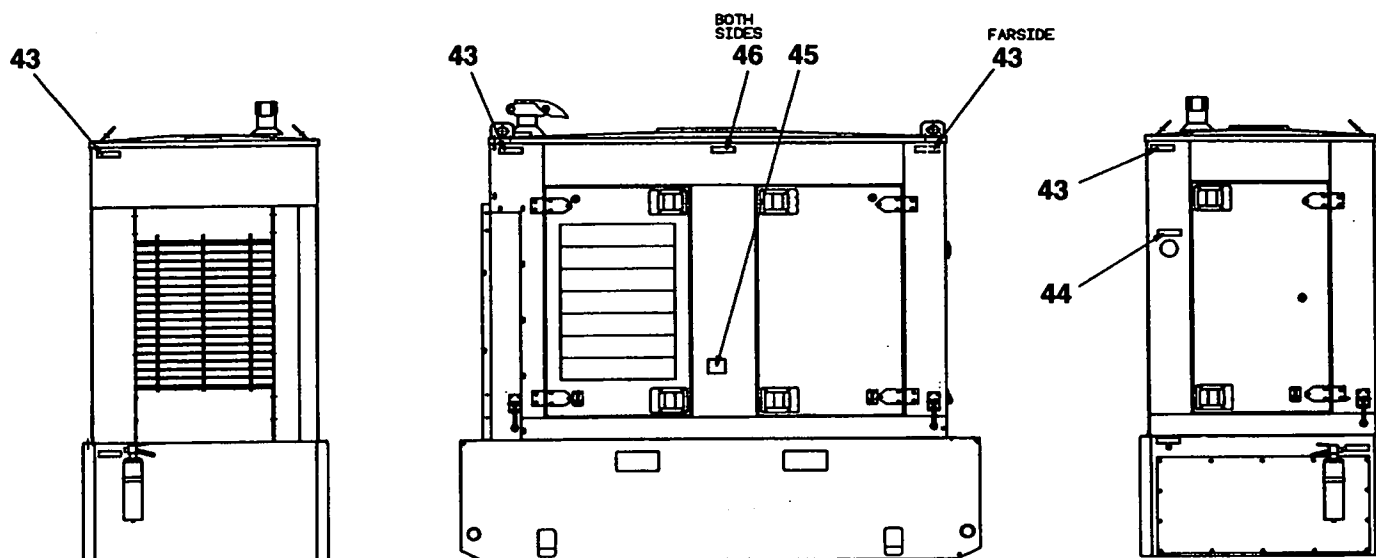


Section C-C



546-2444-01,02

Labels

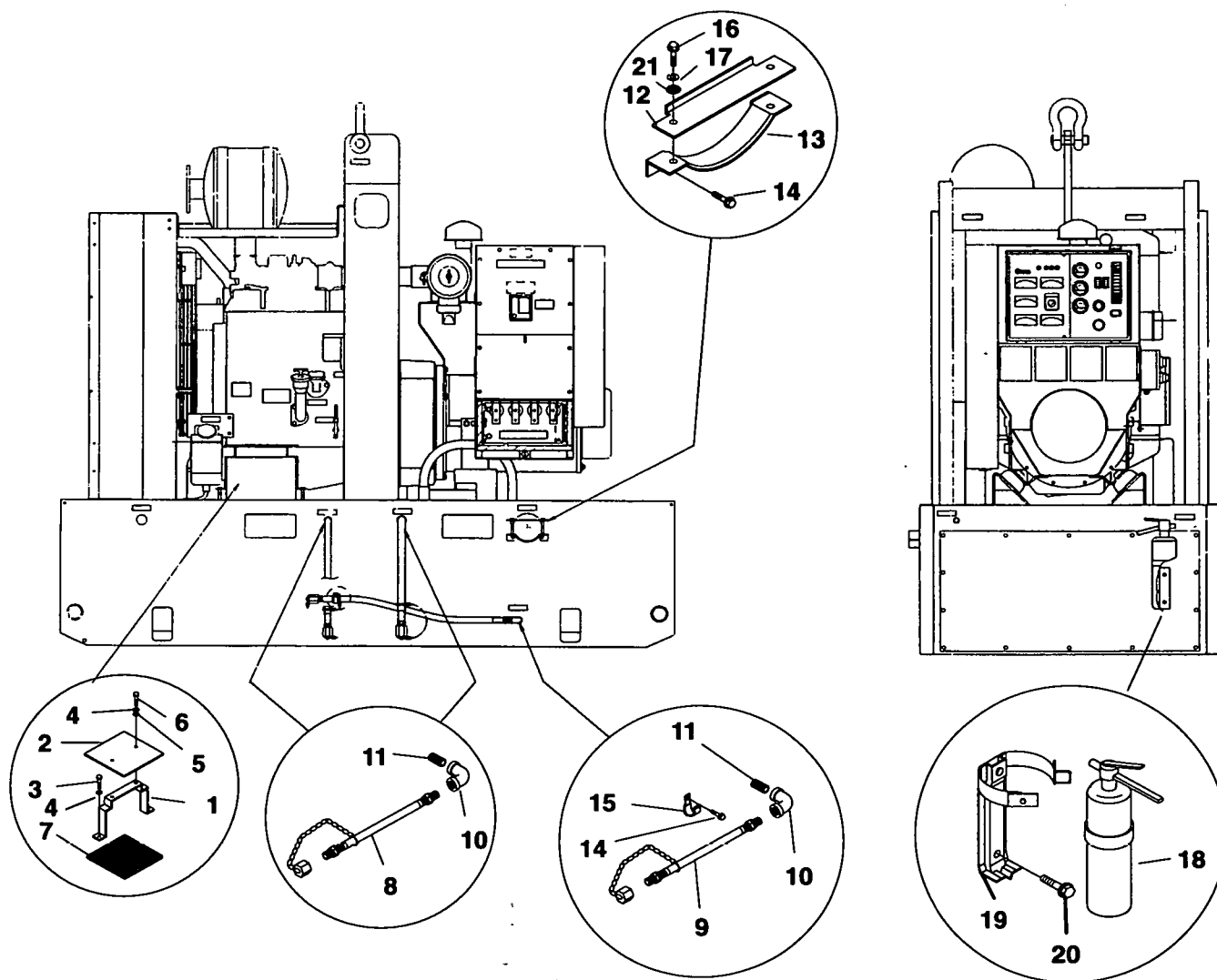


546-2434

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-7235	1	Water Separator Drain	25	098-7237	1	Water Separator Filter
2	098-7221	1	Coolant Drain	26	098-7204	1	External Fuel Fill Pump...
3	098-7207	1	Oil Drainage Opening...	27	098-7212	1	Crankcase Vent
4	098-7230	1	Fuel Tank Drain	28	098-7213	1	Electrical Fuel Fill Pump
5	098-7215	1	Cable Access Connection	29	098-7219	1	Speed Adjust
6	098-7222	1	Coolant Level Indicator	30	098-7223	1	Battery Charging Alternator
7	098-7214	1	Main Current Switch...	31	098-7226	1	Fuel Supply
8	098-7216	2	Caution - High Voltage	32	098-7227	1	Engine Diesel Fuel Filling...
9	098-7262	1	Air Filter	33	098-7228	1	Fuel Return
10	098-7203	2	Generator Set Lift	34	098-7231	1	Oil Filter
11	098-7211-01	1	General Dimensions - Without Housing	35	098-7206	1	Fuel Gauge
12	098-7210	1	Fuel Filters	36	098-7234	1	Float Switch
13	098-7236	1	Prime Pump	37	098-7238	1	Horn
14	098-7205	1	Oil Check	38	098-7239	1	Caution - Hot
15	098-7208	1	Engine Oil Filling...	39	098-7240	1	Generator General Data
16	098-7200-01	1	Engine General Data	40	098-7242	1	Speed Controller
17	098-7225	1	Main Ground Screw	41	098-7261	1	Main Ground Bar
18	098-7224	1	Fire Extinguisher	42	098-7201	1	Coolant Filling Opening...
19	098-7218-01	1	Operating Instructions	43	098-7202	4	*Lifting Hook For Canopy Only...
20	098-7218-02	1	Operating Instructions	44	098-7229	1	*Emergency Stop
21	098-7218-03	1	Operating Instructions	45	098-7211	1	*General Dimensions - With Housing
22			Generator Set Data	46	098-7203	2	*Generator Set Lift
	098-7217-01	1	Without Housing				
	098-7217	1	With Housing				
23	098-7220	1	Dry Air Filter...				
24	098-7209	1	Service Light				

* - Used On Housed Generator Sets

Loose Shipped Parts



546-2420

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1027	2	Hold-Down, Battery Cover	11			Nipple, Pipe - Close
2	416-1029	2	Cover, Battery	505-0230	2		1/2" - Radiator and Fuel Drain
3	800-0036	4	Screw, Cap - Hex Head (5/16-18 x 2-3/4")	505-0293	1		3/4" - Oil Drain
4	850-0045	8	Washer, Lock - Spring (5/16")	12	331-0556	1	Clamp, Cable (Top)
5	526-0115	4	Washer, Flat (5/16")	13	331-0557	1	Clamp, Cable (Bottom)
6	800-0026	4	Screw, Cap - Hex Head (5/16-18 x 3/4")	14	821-5002-04	3	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
7	416-1031	2	Mat, Battery	15	332-3196	1	Clamp, "J"
8			Line, Flexible (Includes Cap and Chain)	16	800-3041	2	Screw, Cap - Hex Head (M6 x 80mm)
	501-0665	1	Oil Drain (3/4" ID x 15")	17	850-2006	2	Washer, Lock - Spring (M6)
	501-0664	1	Radiator Drain (1/2" ID x 15")	18	880-0525-01	1	Extinguisher, Fire
9	501-0663	1	Line, Flexible - Fuel Drain (Includes Cap and Chain) (1/2" ID x 30")	19	880-0525-02	1	Bracket, Mounting - Fire Extinguisher
10			Elbow, Pipe - 90 Deg	20	815-0652	2	Screw, Locking - Hex Head - Slotted - W/IT Captive Washer (#10-32 x 1/2")
	505-0295	1	3/4" - Oil Drain	21	526-0009	2	Washer, Flat (#10)
	505-0279	2	1/2" - Radiator Drain and Fuel Drain				

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
091-0002, 39		098-7235, 41		149-2535, 13		193-0466, 35	
098-5854-05, 39		098-7236, 41		149-2542, 13		201-3434-02, 31	
098-5854-10, 39		098-7237, 41		149-2549, 13		201-3446, 29	
098-5854-11, 39		098-7238, 41		149-2550, 13		201-3496-04, 31	
098-5854-12, 39		098-7239, 41		149-2551, 13		211-0422, 31	
098-5854-13, 39		098-7240, 41		149-2552, 13		220-4233, 29	
098-7200-01, 41		098-7242, 41		149-2553, 13		220-4293-05, 31	
098-7201, 41		098-7261, 41		149-2554, 13		220-4447-14, 31	
098-7202, 41		098-7262, 41		149-2555, 13		226-0893, 39	
098-7203, 41		102-1147, 7		149-2556, 13		226-1587, 39	
098-7204, 41		102-1237, 7		150-2331-01, 14		226-4714-01, 39	
098-7205, 41		123-2079, 11		150-2546, 7		226-4714-02, 39	
098-7206, 41		123-2080, 11		150-2672, 14		226-4714-05, 39	
098-7207, 41		123-2081, 11		151-0748, 14		226-4714-06, 39	
098-7208, 41		123-2083, 11		151-0750, 14		226-4719, 27	
098-7209, 41		123-2122, 11		151-0751, 14		226-4720, 19	
098-7210, 41		130-3069-01, 17		151-0753, 14		226-4720-01, 33	
098-7211, 41		130-3069-02, 17		155-0986, 19		231-0318, 31	
098-7211-01, 41		130-3082, 17		155-2175, 15		231-0328, 31	
098-7212, 41		130-3083, 17		155-3025, 15		232-3421, 31	
098-7213, 41		130-3085, 17		155-3033, 17		232-3438, 31	
098-7214, 41		130-3086, 17		155-3034, 19		232-3441, 31	
098-7215, 41		130-3088, 17		155-3037, 15		232-3452, 31	
098-7216, 41		130-3089, 17		155-3040, 15		232-3462-02, 29	
098-7217, 41		130-3092, 17		155-3043, 15		232-3511, 29	
098-7217-01, 41		130-3161, 17		155-3046, 15		232-3699, 31	
098-7218-01, 41		130-4357-01, 17		155-3057, 19		232-3730-03, 31	
098-7218-02, 41		130-4557, 17		155-4015, 15		232-3819-02, 31	
098-7218-03, 41		130-4558, 17		159-1371-01, 13		234-0875-02, 29	
098-7219, 41		130-4559, 17		159-1452, 13		234-0878, 31	
098-7220, 41		130-4609, 17		159-1456, 7		234-0903, 31	
098-7221, 41		130-4617, 17		159-1461, 7		234-0936-02, 31	
098-7222, 41		140-1260, 10		191-1981, 23		300-4822, 33	
098-7223, 41		140-1548, 10		191-1983-02, 23		300-4828, 9	
098-7224, 41		140-2157, 10		191-2103, 22		300-4828-02, 9	
098-7225, 41		140-2159, 10		191-2121, 23		300-4828-03, 9	
098-7226, 41		140-2227, 10		193-0250, 35		300-4828-04, 9	
098-7227, 41		140-2762, 10		193-0329, 17		300-4828-05, 9	
098-7228, 41		140-2763, 10		193-0351, 35		300-4828-06, 9	
098-7229, 41		140-3029, 10		193-0429-01, 7		300-4828-07, 9	
098-7230, 41		140-3032, 10		193-0430-01, 7		302-0885, 35	
098-7231, 41		149-2528, 13		193-0461, 17		302-1642, 35	
098-7234, 41		149-2534, 13		193-0464, 17		302-1714, 34	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
302-1788-01, 34		319-2889, 39		332-3459, 37		405-5550, 19	
302-1805-02, 34		320-1688-01, 34		332-3477, 7		405-5598, 19	
302-1845-05, 28		320-1938-01, 39		333-0179, 9		405-5600, 19	
303-0280, 33		321-0307-03, 33		334-0116, 33		405-5601, 19	
303-0285, 33		321-0307-05, 36		337-0049, 33		405-5602, 19	
304-0807, 31		321-0307-06, 33, 36		337-0090, 9, 25		405-5607, 19	
305-0823, 33		321-0307-07, 33		337-2938, 39		405-5613, 19	
305-0868, 33		321-0325, 36		337-2939, 39		405-5635, 19	
305-0902-02, 33		321-0327-01, 25		337-2940, 33		405-5642, 19	
307-2167, 37		322-0004, 35		337-2941, 9		405-5643, 19	
307-2817-02, 37		322-0361, 35		338-2229, 28		405-5644, 19	
307-2862, 37		322-0369-03, 35		338-3149, 29		405-5645, 19	
307-2863, 37		322-0464, 35		338-3265, 29		405-5647, 19	
307-2864, 37		322-0466, 9		338-3361, 9		405-5652, 19	
307-2865, 37		322-0467, 9		338-3363, 39		405-5653-01, 19	
308-1009-03, 34		322-0469, 9		338-3364, 36		405-5661, 19	
308-1010, 35		322-0470, 9		338-3367, 36		405-5662, 19	
308-1065, 35		322-0472, 9		338-3368, 36		406-0761-03, 33	
308-1066, 35		323-1200, 36		338-3369, 36		406-0812, 39	
308-1067, 35		323-1302, 36		338-3370, 36		406-0816, 19	
308-1068, 19		323-1304, 36		338-3394, 19		406-0817, 19	
308-1069, 19		323-1306, 36		350-1222, 33		406-0818, 19	
308-1075, 35		323-1308, 36		353-0094-01, 36, 37		406-0819, 19	
309-0561, 7		323-3435, 10		355-0189, 34		406-0822, 19	
309-0650, 13		330-0146, 9		357-0030, 36		406-0829, 39	
309-0652, 7		331-0042, 9		357-0091, 31		406-0830, 39	
314-0212, 25		331-0556, 42		357-0092, 31		415-0565-13, 13	
314-0213, 27		331-0557, 42		358-0135-01, 31		415-0820, 21	
319-0077, 25		332-0527, 7		358-0135-02, 31		415-0823, 21	
319-0652, 33		332-0607, 33, 37		359-0051, 36		416-1021-01, 36	
319-0754, 33		332-1043, 33, 37		370-4091, 25		416-1021-02, 36	
319-2849, 25		332-1348, 33, 39		370-4092, 25		416-1021-03, 36	
319-2854, 25		332-1794, 27		402-0030, 21		416-1021-04, 36	
319-2862, 34		332-1992, 9		402-0568, 21		416-1022, 7	
319-2863, 35		332-2370, 7		402-0698, 25		416-1023, 7	
319-2866, 33		332-2420, 39		402-0701, 25		416-1025, 7	
319-2869, 33		332-2430, 9		402-0702, 25		416-1027, 42	
319-2870, 37		332-2634, 17, 19, 33		403-2567, 21		416-1029, 42	
319-2871, 33		332-2723, 33		403-3967, 26		416-1031, 42	
319-2872, 34		332-2744-01, 39		403-3987, 21		417-0221-01, 19	
319-2873, 39		332-2921, 7, 13, 25		403-4004, 26		501-0502-03, 13	
319-2882, 39		332-2987, 25		403-4009, 21		501-0639, 13	
319-2883, 39		332-3196, 7, 25, 42		403-4029, 19		501-0640, 13	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
501-0641, 13		505-0099, 13, 17		526-0115, 39, 42		800-2121, 21	
501-0642-02, 13		505-0100, 13, 21		526-0174, 31		800-3009, 31	
501-0643, 13		505-0101, 17		526-0196, 35		800-3017-20, 31	
501-0655, 11		505-0102, 13		526-0219, 21		800-3017-37, 31	
501-0658, 17		505-0132, 13		526-0249, 21		800-3017-38, 31	
501-0663, 42		505-0151, 13		526-0259, 26, 31		800-3017-41, 31	
501-0664, 42		505-0166, 13		526-0399-62, 31		800-3041, 42	
501-0665, 42		505-0172, 13		526-0409, 35		805-0018, 31	
501-0668, 13		505-0210, 13		526-2050, 31		812-0063, 9	
502-0606, 13		505-0230, 42		526-2060, 31		812-0065, 9, 33, 37	
502-0607, 13		505-0279, 42		526-2100, 7, 17, 31, 39		812-0082, 33	
502-0632, 11		505-0293, 42		526-2120, 25		813-0107, 25	
502-1162, 17		505-0295, 42		526-2140, 7, 11		813-0108, 33	
502-1265-01, 13		505-0332, 21		720-1119, 31		815-0287, 19	
502-1265-03, 13		505-0420, 13		775-0049, 29		815-0350, 25	
503-0183, 11		505-0872, 13		800-0003, 7		815-0359, 19	
503-0276, 17		505-1066, 13		800-0005, 39		815-0498, 25	
503-0304, 17		508-0051, 33		800-0007, 39		815-0506, 39	
503-0365, 17		508-0139, 31		800-0010, 25		815-0540, 33	
503-0446, 13, 17		508-0305-02, 39		800-0012, 25		815-0544, 33, 37	
503-0465, 17		508-1057, 25, 31		800-0024, 33		815-0584, 9	
503-0685, 13		509-0266-01, 31		800-0026, 42		815-0652, 17, 42	
503-1391-01, 17		510-0165, 31		800-0027, 39		815-0761-01, 29	
503-1542, 10		515-0298-02, 31		800-0030, 13, 39		818-0231-02, 19	
503-1543, 10		517-0135, 25, 31		800-0036, 42		818-0233, 19	
503-1870-04, 10		518-0122, 31		800-0051, 13		821-0004, 33	
503-1870-05, 10		518-0350, 7		800-0052, 33		821-0005, 39	
503-1929, 17		518-0548-15, 9		800-0090, 15		821-0008, 33	
504-0011, 7, 13, 17		518-0601, 5		800-0091, 9		821-0010, 10, 37	
505-0014, 21		524-0109, 19		800-0134, 15		821-0011, 19	
505-0017, 17		524-0109-01, 19		800-0233, 21		821-0013, 17, 33	
505-0018, 17		525-0551-02, 5		800-0520, 21		821-0015, 19	
505-0019, 17		525-0551-03, 5		800-0558, 21		821-0016, 10, 11	
505-0020, 13		525-0551-04, 5		800-0604, 26		821-0018, 14, 25	
505-0022, 11		526-0001, 34		800-0605, 21		821-2020, 29	
505-0026, 7		526-0008, 19, 25, 33		800-2042, 31		821-5000-05, 9, 13, 19	
505-0029, 21		526-0009, 42		800-2056, 7		821-5002-03, 9, 15, 17	
505-0038, 17		526-0018, 7, 9, 39		800-2060, 31, 39		821-5002-04, 17, 19, 39, 42	
505-0040, 13		526-0029, 21		800-2068, 17		821-5003-01, 17, 19	
505-0050, 7		526-0030, 13		800-2088, 22, 31		821-5003-03, 15	
505-0060, 17		526-0048, 37		800-2090, 31		821-5004-01, 15, 17	
505-0084, 13		526-0049, 35		800-2110, 7		821-5004-02, 17, 19, 21	
505-0098, 7		526-0113, 13		800-2111, 7, 9, 10, 11, 13		821-6001-01, 31	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
821-6001-02, 31		853-0008, 35		870-0131, 19, 39		880-0525-01, 42	
850-0030, 7, 25, 33, 35		853-0013, 19		870-0183, 33		880-0525-02, 42	
850-0040, 7, 33, 39		856-0006, 14, 25, 37, 39		870-0201, 9		895-0308, 39	
850-0045, 9, 39, 42		856-0008, 7, 9, 33, 39		870-0212, 10, 19		895-0368, 33	
850-0050, 13, 33		856-0013, 7, 9, 21, 25		870-0257, 10, 11, 13		895-0369, 33	
850-0060, 9, 15		856-1006, 17		870-0281, 17		895-0370, 33	
850-0070, 15		860-2005, 31		870-0431-07, 33		895-0371, 33	
850-0114-54, 31		860-2006, 7, 23, 31, 33		870-0439, 34		895-0372, 33	
850-0114-55, 31		860-2008, 23, 39		870-0531-03, 21		895-0379-01, 19	
850-2004, 31		860-2009, 7, 25		870-0531-04, 21		895-0379-02, 19	
850-2005, 23, 31		862-0001, 33, 39		870-0550-07, 15		895-0379-04, 19	
850-2006, 29, 31, 42		862-0007, 15		870-0550-09, 21		895-0379-05, 19	
850-2008, 7, 23		862-0015, 9, 39		870-1220, 34, 35		895-0380, 19	
850-2010, 7, 22, 25, 29, 31		862-0016, 9, 15, 21		870-2064-01, 31		898-1195-03, 27	
850-2012, 7, 10, 11, 13, 21		870-0065, 25		871-0010, 19, 35		898-1195-04, 39	