



Parts Manual

Cummins **Onan**

Performance you rely on.™



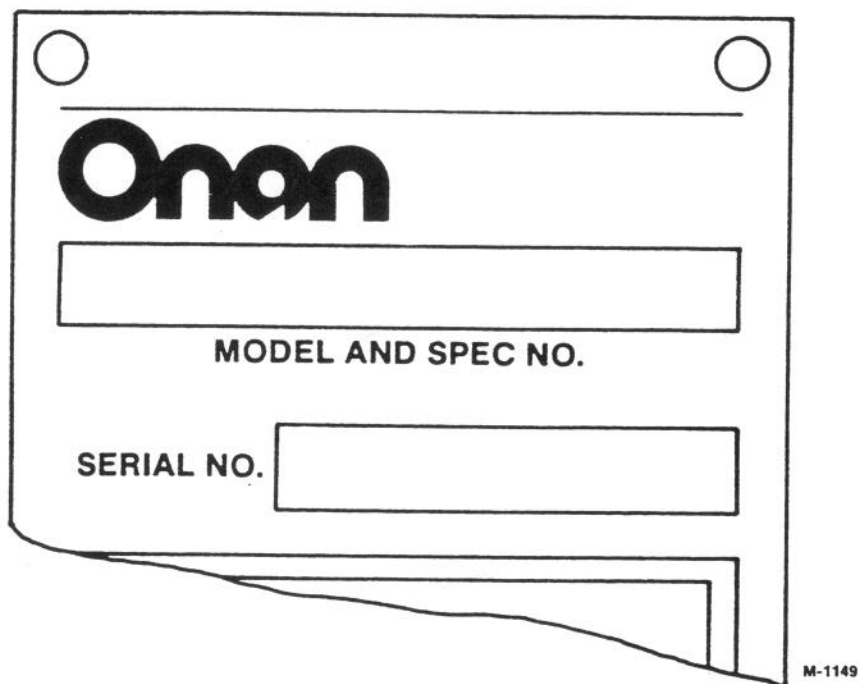
RV Generator Set

DKD (Spec A–E)

General Information

For parts or service, contact the dealer from whom you purchased this equipment or refer to your Nearest Authorized Onan Parts and Service Center.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.

A diagram of an Onan nameplate. It is a rectangular plate with two circular mounting holes at the top corners. The Onan logo is at the top. Below it is a large rectangular box labeled "MODEL AND SPEC NO.". Below that is a smaller rectangular box labeled "SERIAL NO.". The bottom right corner of the plate is folded over.

Onan

MODEL AND SPEC NO.

SERIAL NO.

M-1149

For handy reference, insert "YOUR" nameplate information in the spaces above.

▲WARNING

TAKE ALL NECESSARY PRECAUTIONS WHEN CHECKING OR CHANGING ENGINE OIL NOT TO INGEST, BREATHE THE FUMES OR CONTACT THE OIL. USED ENGINE OILS HAVE BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER.

▲WARNING

TAKE ALL NECESSARY PRECAUTIONS WHEN HANDLING ENGINE GASKETS. DO NOT INGEST, BREATHE, OR CONTACT DUST FROM GASKETS. USE ADEQUATE VENTILATION AND WEAR PROTECTIVE GLOVES, MASK AND CLOTHING. ASBESTOS HAS BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER.

Green

SECRETARY

SECRETARY

AWARNING

AWARNING

Introduction

This Parts Manual applies to the Standard Generator Sets listed below. The illustrations are arranged in groups of related items, and each part or assembly is identified by a Reference Number. All parts illustrated are typical, and unless otherwise mentioned in the description column of the parts lists, the parts are interchangeable between models. These typical illustrations are subject to change and reflect only the latest replacement parts arrangement. The Right and Left side of the Set are determined by FACING the engine end (Front) of the Set.

NOTICE!

VARIATIONS WITHIN MODEL(S)

- I. GOVERNOR: Style I has a flyball type system; Style II has a flyweight type system. (See the Gearcase Illustration for visual external differences, and the Fuel System - Injection Pump for internal differences.)

Set Data Table

MODEL IDENTIFICATION	RATING	MODEL IDENTIFICATION	RATING
6.0 DKD-*/#@	6,000 WATTS	6.5 DKD-*/#@	7,500 WATTS
7.5 DKD-*/#@	7,500 WATTS	8.0 DKD-*/#@	8,000 WATTS

- * - Voltage Codes follow model letter designations.
- # - Specification Number: Number 1 is Standard, all others indicate variations.
- @ - Specification Letter: Letter advances (A to B, B to C, etc) with major manufacturing changes.
- + - These Generators are reconnectible, refer to Operator's Manual for wiring data.

Generator Set Data Table

MODEL NUMBER	VOLTS	HERTZ	PHASE	WIRE	OPTIONS
6.0DKD-FP/29174C,E	120/240	50	1	4	
6.0DKD-FZ/29174C,E		50	3	12	
6.0DKD-FZ/34226C		50	3	12	No Radiator/Fan
6.0DKD-S3CR/29174B	120/240	50	1	4	No Radiator/Fan
6.0DKD-S18R/29174B		50	3	12	
6.5DKD-FA/53467 C,D	120	60	1	4	CB (20Amp H.A.C.R.)
6.5DKD-FA/53468 C,D	120	60	1	4	" " " w/Suction Fan
6.5DKD-FA/58833 D	120	60	1	4	Pusher Fan
6.5DKD-FJ/27798 C,D	120/240	60	1	4	
6.5DKD-FJ/27799 C,D	120/240	60	1	4	Suction Fan
7.5DKD-FB/23006C,E	120/240	60	1	4	Truck Appl.
7.5DKD-FB/23007C	120/240	60	1	4	" " - Pusher Fan
7.5DKD-FB/23008C	120/240	60	1	4	" " - Pusher Fan
7.5DKD-FB/23009C	120/240	60	1	4	" " - Pusher Fan
7.5DKD-FB/57380C	120/240	60	1	4	" " - Extended shaft
7.5DKD-FD/23006C	120/240	60	3	4	" " - Pusher Fan
7.5DKD-FD/23007C	120/240	60	3	4	" " - Pusher Fan
7.5DKD-FJ/27798 C,D,E	120/240	60	1	4	
7.5DKD-FJ/27799 C,D,E	120/240	60	1	4	Pusher Fan
7.5DKD-FJ/56905D	120/240	60	1	4	" "
7.5DKD-3CE/27218A	120/240	60	1	4	Light Tower Appl.
7.5DKD-3CR/27203A	120/240	60	1	4	Mobile Diesel Genset
7.5DKD-3CR/27798 A,B	120/240	60	1	4	
7.5DKD-3CR/27799 A,B	120/240	60	1	4	Pusher Fan
7.5DKD-3R/23006B	120/240	60	1	4	Truck Appl.
7.5DKD-3R/23007B	120/240	60	1	4	" " - Reverse Flow Fan
7.5DKD-3R/23008B	120/240	60	1	4	" " - Reverse Flow Fan
7.5DKD-3R/23009B	120/240	60	1	4	" " - Reverse Flow Fan
7.5DKD-5DR/23006B	120/240	60	3	4	
8.0DKD-FJ/29686C	120/240	60	1	4	No Radiator/Fan - Spcl Unit
8.0DKD-FJ/32448C	120/240	60	1	4	No Radiator/Fan - Spcl Unit
8.0DKD-FJ/40216C	120/240	60	1	4	DC Control/Therm Housing
				4	No Radiator/Fan - Spcl Unit
				4	Mtd Air Clnr - Loose DC
				4	Control with 7 ft Harness
				4	Extensions
8.0DKD-FJ/54503C	120/240	60	1	4	No Radiator/Fan - Spcl Unit
8.0DKD-3CR/29686B	120/240	60	1	4	/Battery chrg'g alternator
				4	No Radiator/Fan - Spcl Unit

Also includes specs 11303, 11310, 11312, 11304, 11319, 11343, 11344, 11369, 11440, 11455, 11456, 66044, 66045, 67053,

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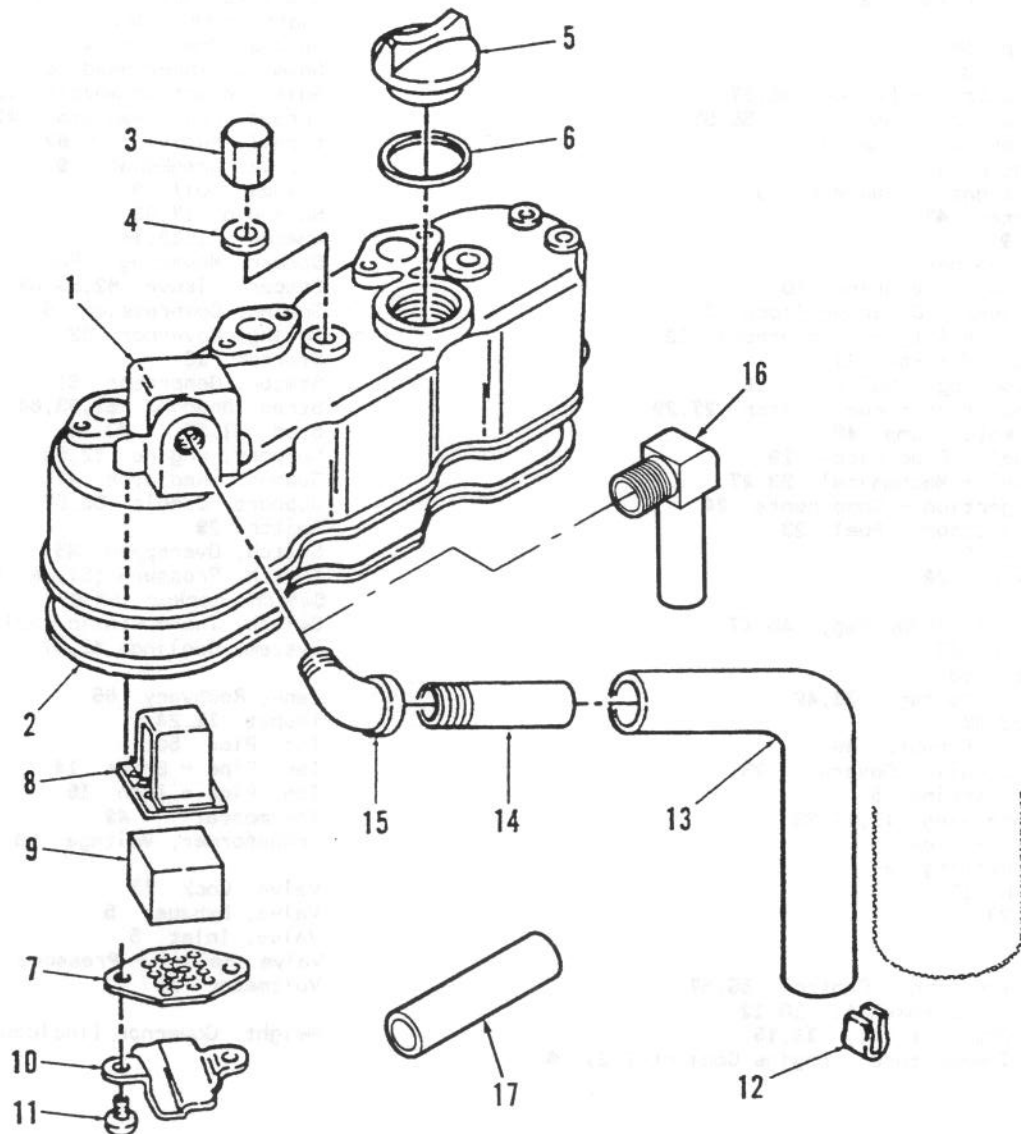
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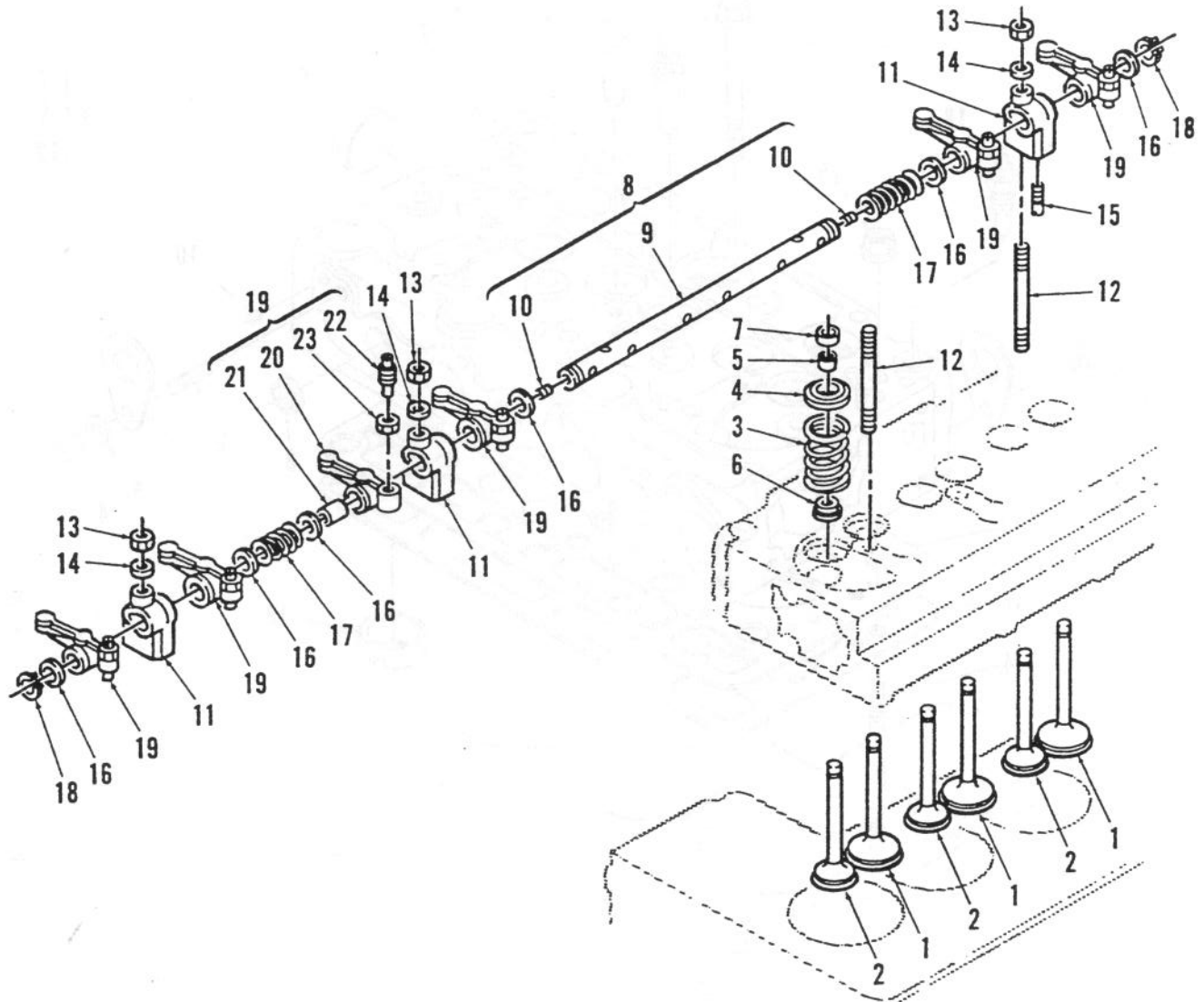
Valve Cover & Breather



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2280	1	Cover, Cylinder Head
2	185-2217	1	Gasket
3	185-2290	3	Nut, Cap
4	185-2291	3	Seal, Oil
5	185-2093	1	Cap, Oil Fill
6	185-2349	1	O-Ring
7	185-2287	1	Plate, Breather
8	185-2230	1	Baffle, Breather
9	185-2232	1	Element, Breather
10	185-2288	1	Shield, Breather
11	185-2384	2	Screw, Machine - Pan Head with Lockwasher

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	518-0449	1	Clip, Retaining
13	503-1321	1	Hose, Rubber (7/16" ID x 5/8" OD x 26-1/2" LG)
14	505-0302	1	Nipple, Pipe - Half (Spec A-C)
15	505-0011	1	Elbow, Pipe - Street, 90° (Spec A-C)
16	502-0304	1	Elbow, Hose - 90° (Spec D)
17	503-0276	1	Hose, Breather (5/16" ID x 1/2" OD x 17" LG) (Spec D)

Rocker Arm

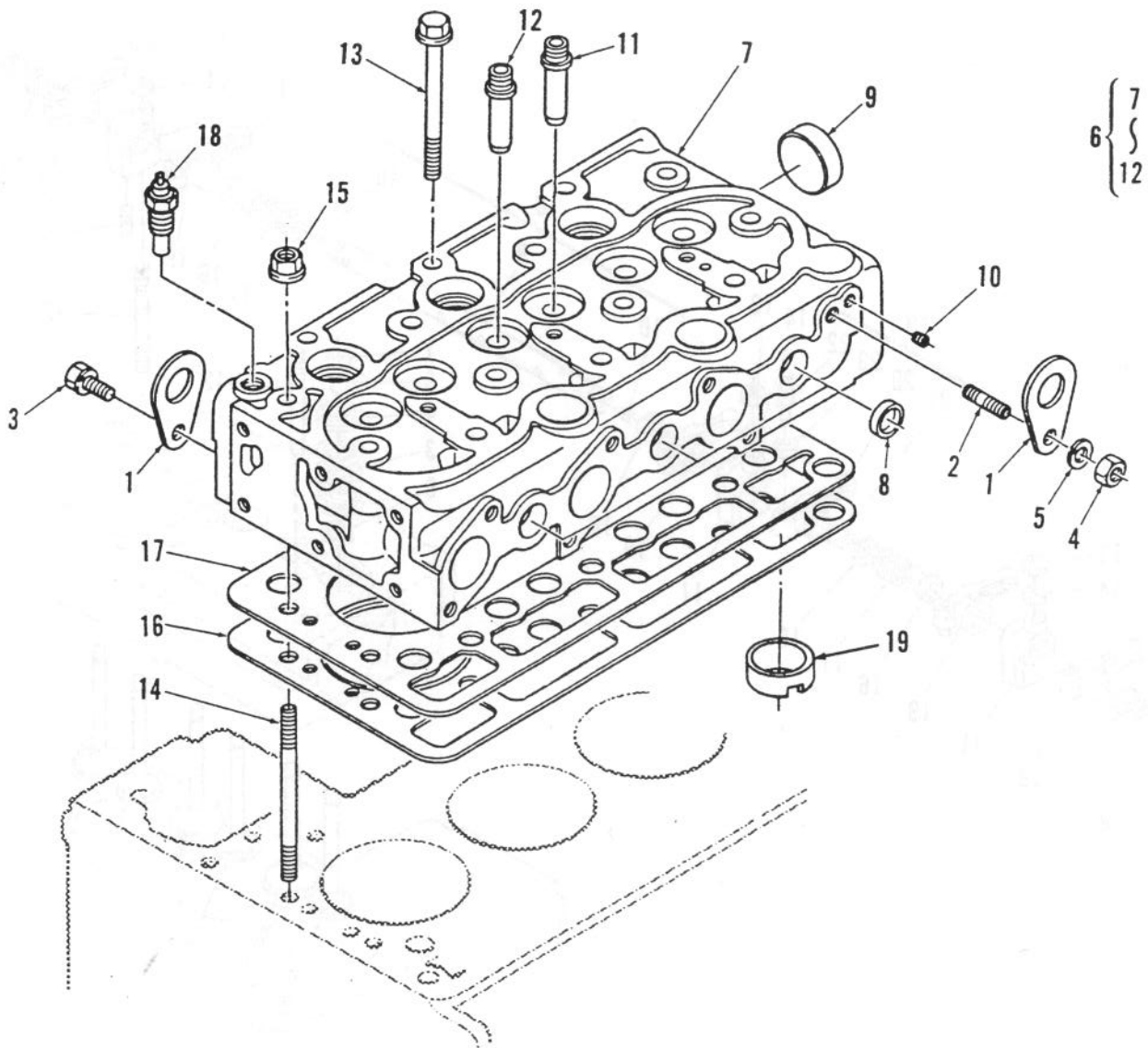


VT-1031

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2060	3	Valve, Inlet
2	185-2061	3	Valve, Exhaust
3	185-2079	6	Spring, Compression
4	185-2076	6	Retainer, Spring
5	185-2077	12	Collet, Spring
6	185-2078	3	Seal, Oil - Inlet Valve
	185-2431	3	Seal, Oil - Exhaust Valve
7	185-2080	6	Cap, Valve Stem
8	185-2215	1	Shaft, Rocker Arm
9	NFS		Shaft
10	185-2228	2	Setscrew
11	185-2216	3	Bracket, Support

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
12	185-2292	3	Stud
13	185-2179	3	Nut, Hex
14	185-2184	3	Washer, Flat
15	185-2072	1	Setscrew
16	185-2073	6	Washer, Flat
17	185-2070	2	Spring, Compression
18	185-2368	2	Ring, Retaining
19	185-2062	6	Rocker Arm
20	NFS		Arm
21	185-2063	6	Bushing, Sleeve
22	185-2407	6	Adjusting Screw
23	185-2408	6	Nut, Hex

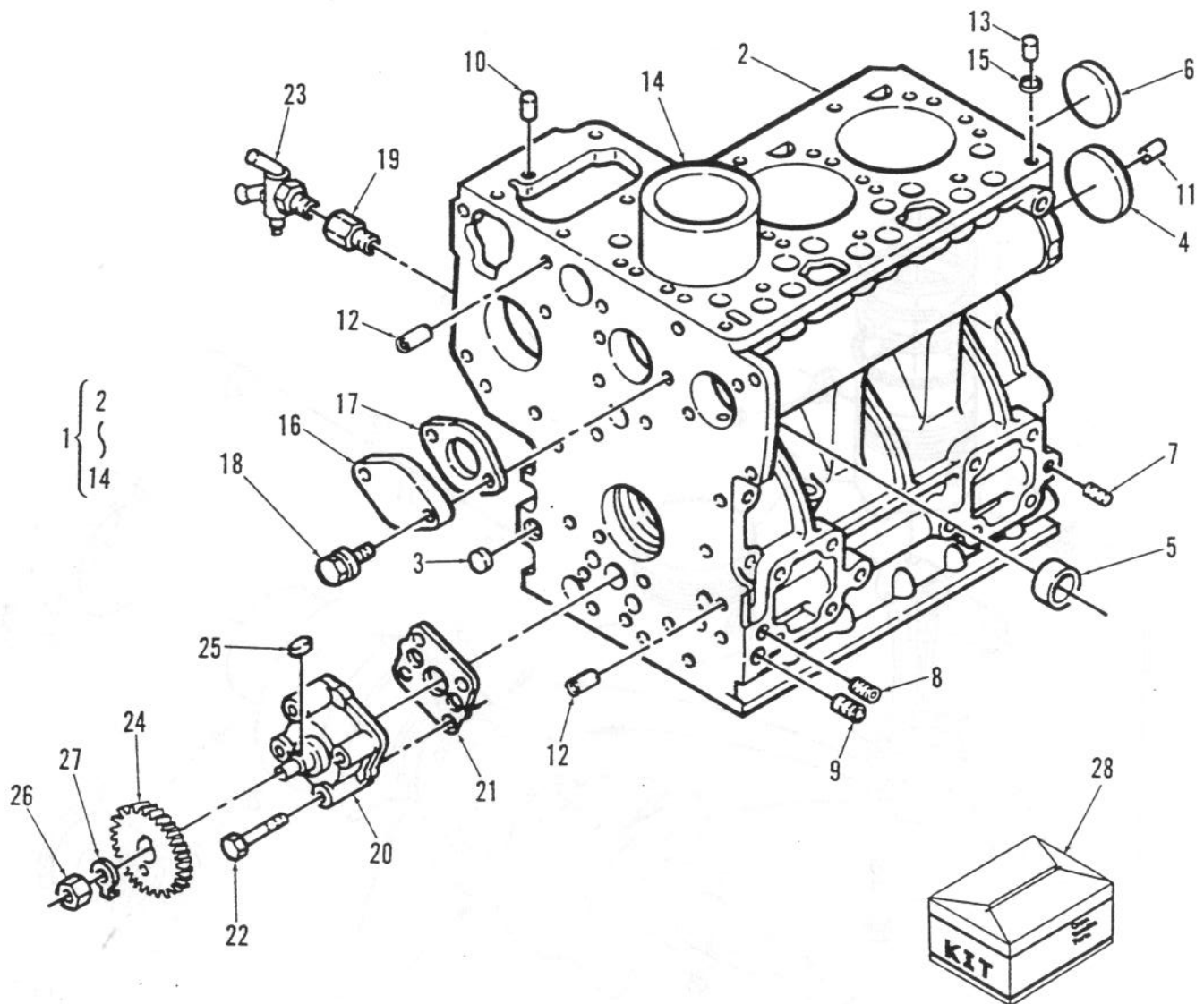
Cylinder Head



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2414	2	Bracket, Lifting
2	185-2361	1	Stud
3	185-2399	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 16mm)
4	185-2367	1	Nut, Hex (M8 x 1.25)
5	185-2381	1	Washer, Lock - Spring (M8)
6	185-2049	1	Head, Cylinder
7	NFS		Head, Cylinder
8	185-2413	5	Cup, Sealing
9	185-2411	1	Cup, Sealing
10	185-2188	2	Plug, Pipe - Socket Drive

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	185-2068	3	Guide, Valve - Inlet
12	185-2069	3	Guide, Valve - Exhaust
13	185-2053	12	Bolt, Hex - Cylinder Head
14	185-2052	2	Stud
15	185-2054	2	Nut, Hex
16	185-2056	1	Gasket, Cylinder Head
17	185-2057	2	Shim
18	193-0318	1	Sender, Temperature - Engine Coolant (E2)
19	185-2477	1	Combustion Chamber

Cylinder Block & Oil Pump



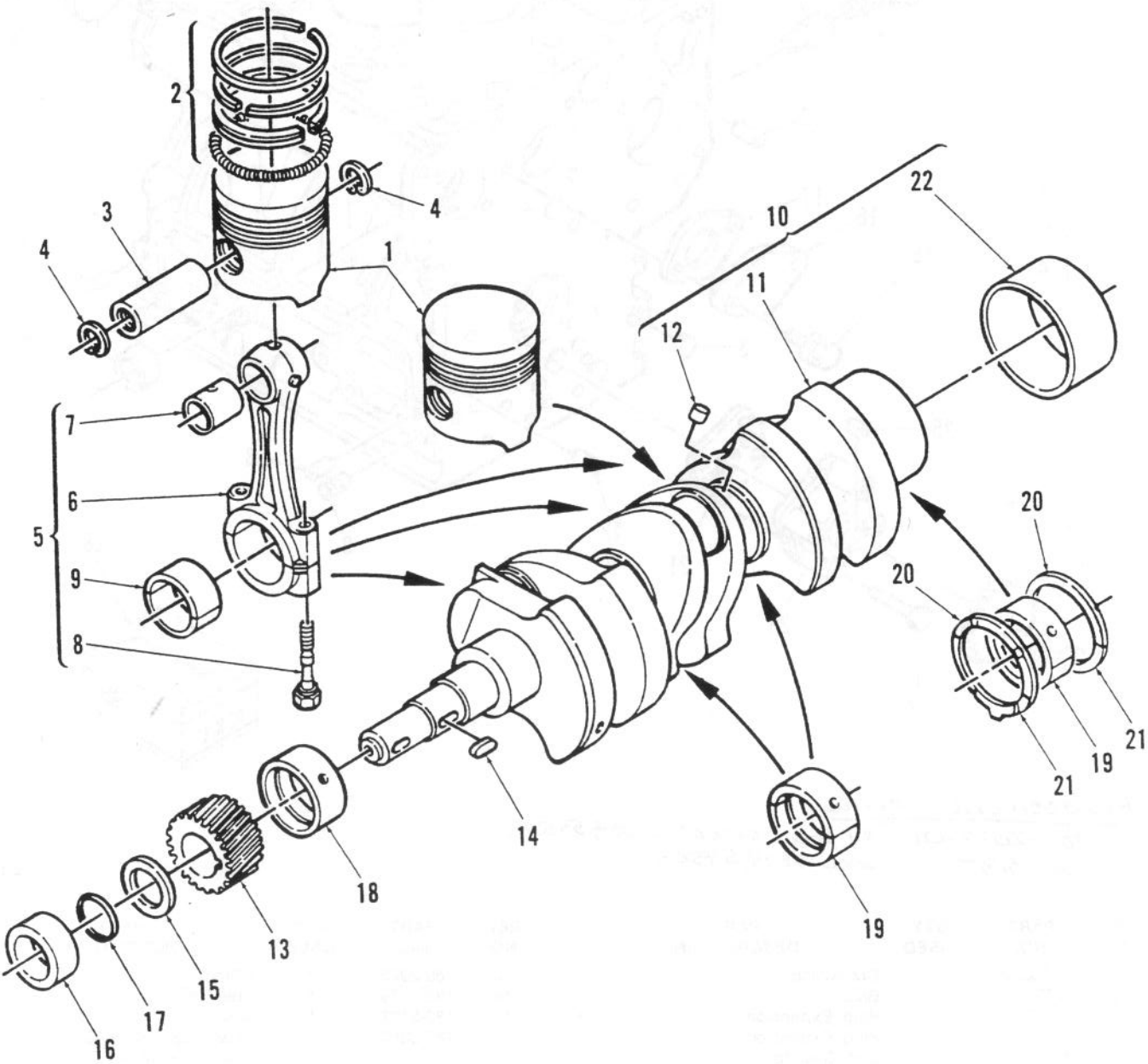
Replacement Engine

100-2077-01 All specs except 11304, 54503
 100-3135 Spec 11304, 54503

C-1099

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2001	1	Crankcase	15	185-2095	1	O-Ring
2	NFS		Block	16	185-2176	1	Plate, Cover
3	185-2355	3	Plug, Expansion	17	185-2177	1	Gasket
4	185-2356	1	Plug, Expansion	18	185-2389	2	Screw, Cap - Hex Head (M6 x 1 x 18MM)
5	185-2411	5	Cup, Sealing	19	185-2229	1	Plug, Hex
6	185-2412	1	Cup, Sealing	20	185-2155	1	Pump, Oil
7	185-2188	6	Plug	21	185-2156	1	Gasket
8	185-2233	3	Plug	22	185-2409	4	Bolt, Hex with Lockwasher
9	185-2234	1	Plug	23	185-2337	1	Cock, Drain
10	185-2350	2	Pin, Straight, Headless	24	185-2293	1	Gear, Drive - Oil Pump
11	775-0072	2	Pin, Straight, Headless	25	185-2352	1	Key
12	185-2115	2	Pin, Hollow	26	185-2365	1	Nut, Hex (M10 x 1.5)
13	185-2094	1	Pin, Hollow	27	185-2382	1	Washer, Lock - Spring (M10)
14	185-2007	3	Liner, Cylinder	28	185-2313	1	Kit, Gasket

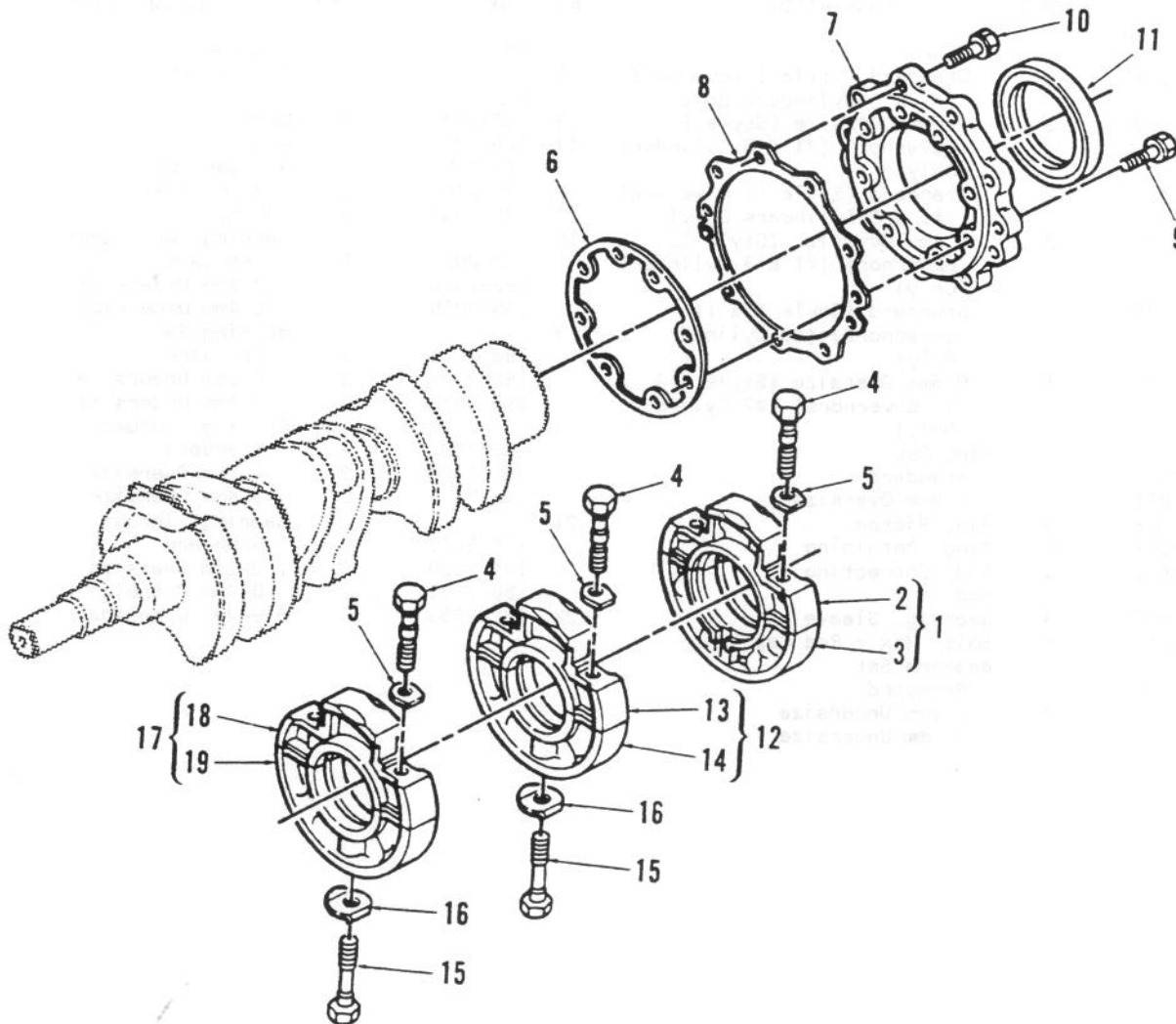
Crankshaft & Piston



Crankshaft and Piston

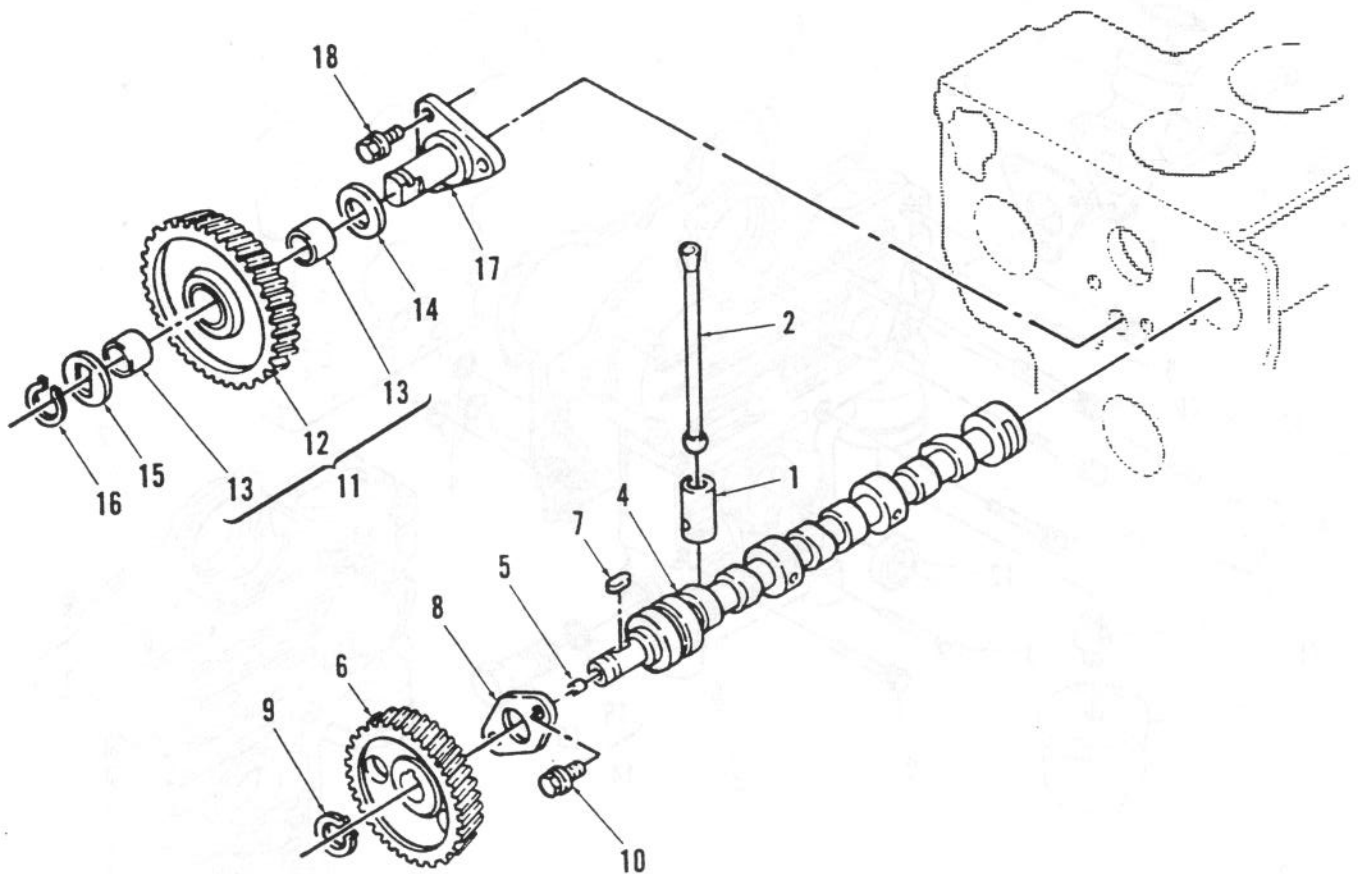
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Piston	10	185-2041	1	Crankshaft
	185-2008	2	Standard (Style I Governor) (#1 & 3 Cylinders Only)	11	NFS		Crankshaft
	185-2009	2	0.5mm Oversize (Style I Governor) (#1 & 3 Cylinders Only)	12	NFS		Plug
	185-2434	2	Standard (Style II Governor) (#1 & 3 Cylinders Only)	13	185-2043	1	Gear
	185-2435	2	0.5mm Oversize (Style II Governor) (#1 & 3 Cylinders Only)	14	185-2353	1	Key
	185-2428	1	Standard (Style I & II Governors) (#2 Cylinder Only)	15	185-2087	1	Slinger, Oil
	185-2429	1	0.5mm Oversize (Style I & II Governors) (#2 Cylinder Only)	16	185-2250	1	Spacer, Sleeve
				17	185-2348	1	O-Ring
2			Ring Set				Bearing, Crankshaft
	185-2010	3	Standard	18	185-2020	1	Standard
	185-2011	3	0.5mm Oversize		185-2024	1	0.2mm Undersize
3	185-2015	3	Pin, Piston		185-2025	1	0.4mm Undersize
4	185-2016	6	Ring, Retaining	19	185-2021	3	Bearing Set
5	185-2012	3	Rod, Connecting		185-2026	3	Standard
6	NFS		Rod		185-2027	3	0.2mm Undersize
7	185-2017	3	Bearing, Sleeve		185-2027	3	0.4mm Undersize
8	185-2018	6	Bolt, Hex - Rod Cap	20	185-2022	2	Bearing, Thrust
9			Bearing Set		185-2028	2	Standard
	185-2013	3	Standard		185-2029	2	0.2mm Oversize
	185-2019	3	0.2mm Undersize	21	185-2023	2	0.4mm Oversize
	185-2014	3	0.4mm Undersize		185-2030	2	Bearing, Thrust
					185-2031	2	Standard
				22	185-2033	1	0.2mm Oversize
							0.4mm Oversize
							Sleeve, Crankshaft

Main Bearing Holders



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2035	1	Holder, Bearing - Main, Rear	11	185-2055	1	Seal, Oil - Crankshaft, Rear
2	NFS		Holder, Bearing - Half, Upper	12	185-2034	1	Holder, Bearing - Main, Center
3	NFS		Holder, Bearing - Half, Lower	13	NFS		Holder, Bearing - Half, Upper
4	185-2037	4	Bolt, Hex	14	NFS		Holder, Bearing - Half, Lower
5	185-2039	6	Retainer, Bolt/Nut	15	185-2038	2	Bolt, Hex
6	185-2036	1	Gasket	16	185-2040	2	Retainer, Bolt/Nut
7	185-2254	1	Cover Plate - Bearing	17	185-2213	1	Holder, Bearing - Main, Front
8	185-2127	1	Gasket	18	NFS		Holder, Bearing - Half, Upper
9	185-2390	9	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 20mm)	19	NFS		Holder, Bearing - Half, Lower
10	185-2391	8	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 25mm)				

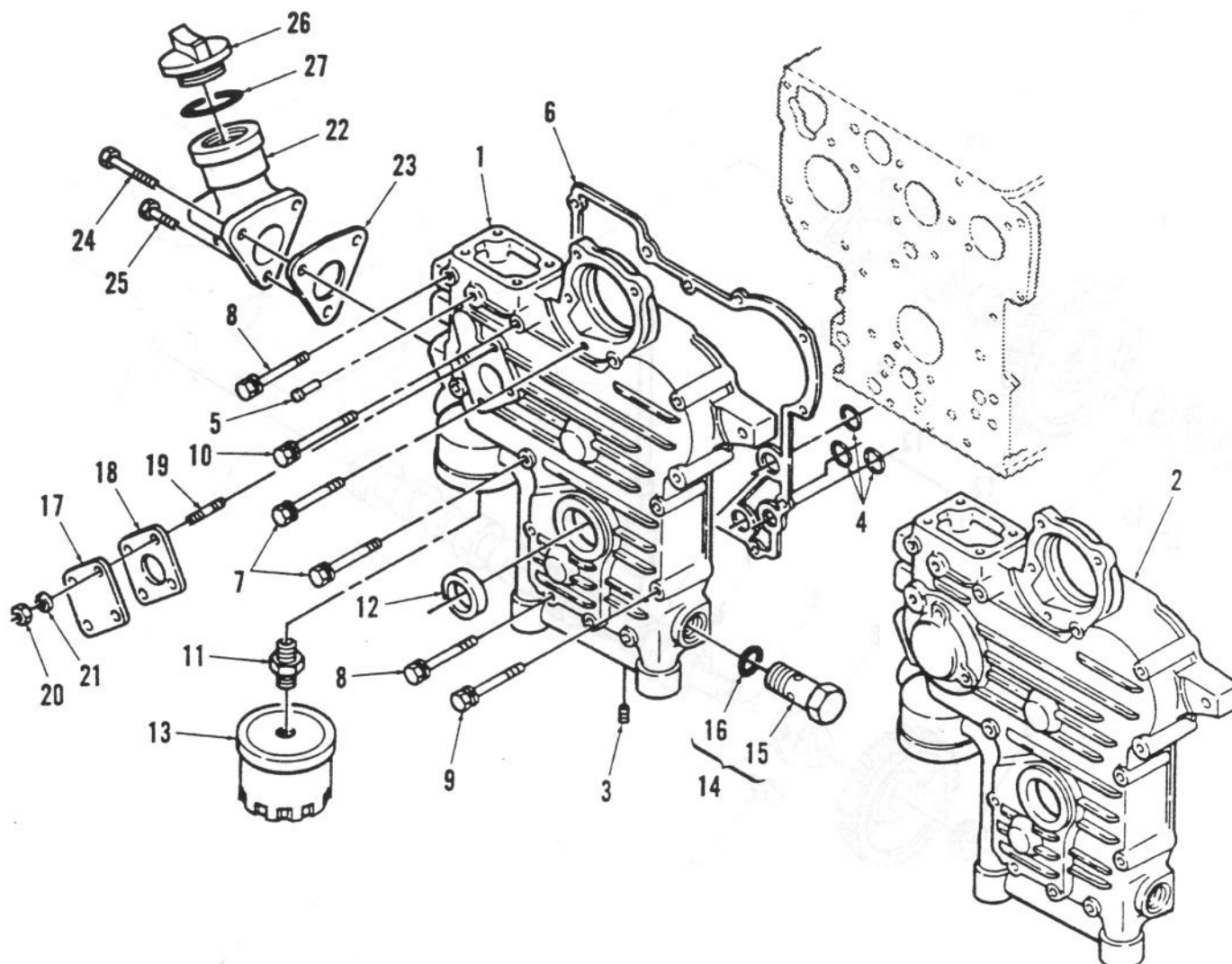
Camshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2075	6	Tappet
2	185-2074	6	Rod, Push
4	185-2082	1	Camshaft
5	185-2190	2	Plug
6	185-2086	1	Gear
7	185-2353	1	Key
8	185-2084	1	Plate, Retaining
9	185-2369	1	Ring, Retaining
10	185-2387	2	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 14mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	185-2042	1	Gear
12	NFS		Gear
13	185-2048	2	Bushing, Sleeve
14	185-2046	1	Spacer
15	185-2047	1	Spacer
16	185-2045	1	Ring, Retaining
17	185-2044	1	Shaft
18	185-2388	3	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 16mm)

Gearcase & Oil Filter

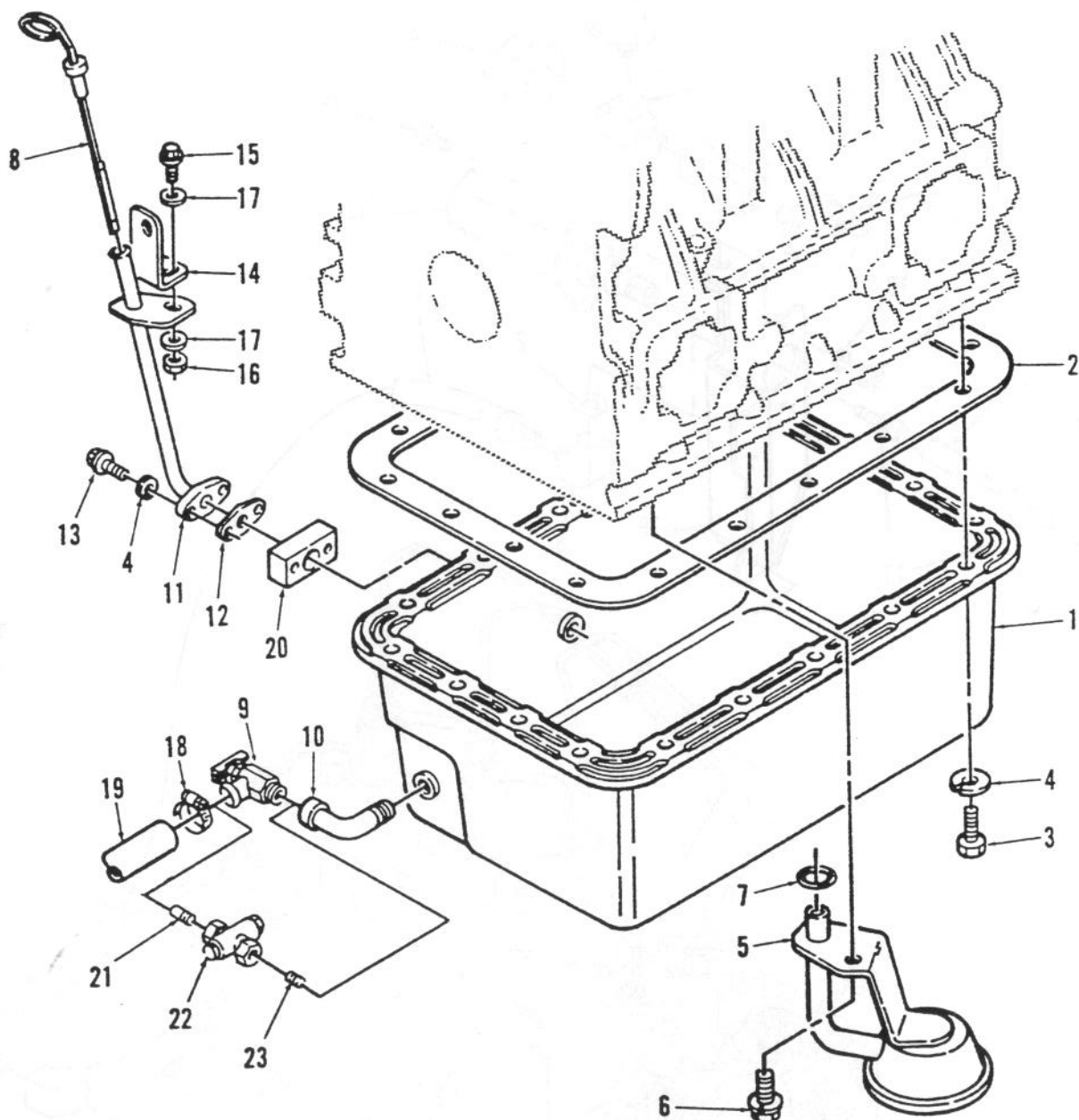


LS-1133

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2051	1	Gearcase (Style I Governor)	14	185-2157	1	Valve, Relief - Pressure
2	185-2430	1	Gearcase (Style II Governor)	15	NFS		Valve
3	185-2189	2	Plug, Pipe - Socket Drive	16	185-2372	1	O-Ring
4	185-2374	3	O-Ring	17	185-2153	1	Plate, Cover (Style I Gov.)
5	185-2102	1	Pin, Straight	18	185-2104	1	Gasket (Style I Gov.)
6	185-2058	1	Gasket	19	185-2105	4	Stud
7	185-2395	7	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 60MM)	20	750-1004	4	Nut, Hex (M6 x 1)
8	185-2396	5	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 65MM)	21	185-2380	4	Washer, Lock - Spring (M6)
9	185-2397	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 70MM)	22	185-2296	1	Housing, Oil Fill
10	185-2398	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 75MM)	23	185-2309	1	Gasket
11	185-2124	1	Nipple, Pipe - Hex	24	185-2394	2	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 50MM)
12	185-2317	1	Seal, Oil - Crankshaft	25	185-2390	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 20MM)
13	185-2123	1	Filter, Oil	26	185-2093	1	Cap, Oil Fill
				27	185-2349	1	O-Ring

NOTE See introduction for governor style identification

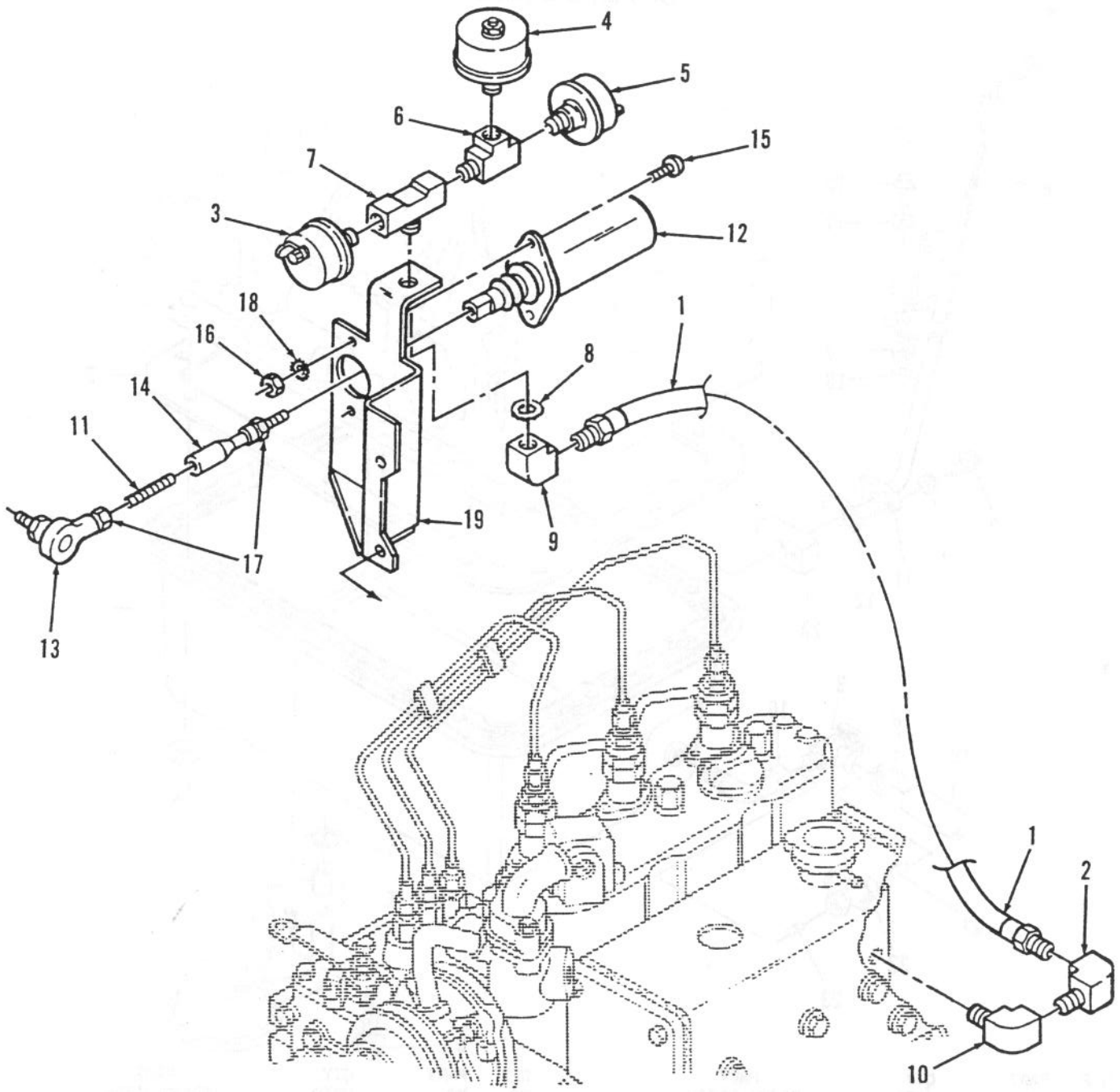
Oil Pan & Dipstick



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2281	1	Pan, Oil
2	185-2212	1	Gasket
3	185-2226	18	Bolt, Hex with Lockwasher
4	185-2380	1	Washer, Lock - Spring (M6)
5	185-2220	1	Cup, Pickup - Oil
6	185-2399	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 16mm)
7	185-2371	1	O-Ring
8	185-2209	1	Indicator, Oil Level
9	504-0092	1	Cock, Valve (used through November 1984)
10	505-0120	1	Elbow, Pipe - Street, 90°
11	185-2210	1	Guide, Oil Indicator
12	185-2410	2	Gasket
13	800-2036	2	Screw, Cap - Hex Head (M6 x 1 x 30mm)

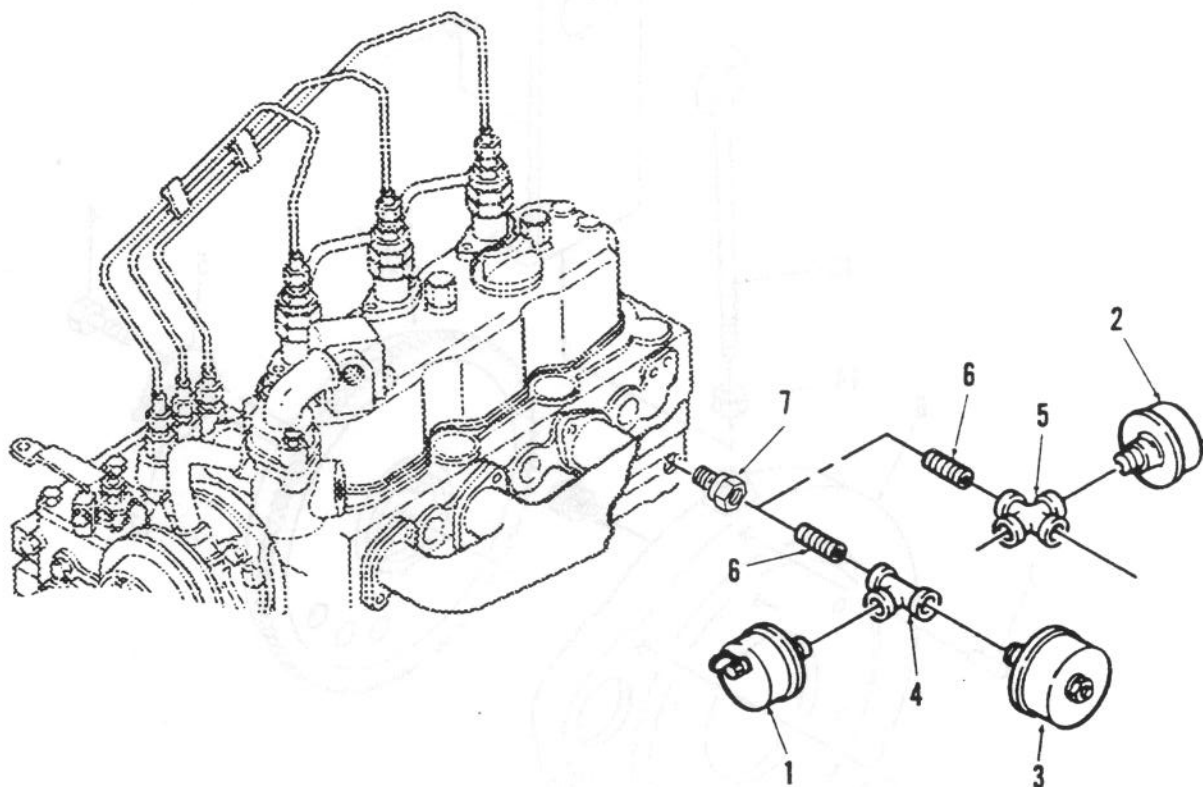
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
14	123-1693	1	Bracket, Oil Indicator Guide
15	185-2400	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 18mm)
16	185-2366	1	Nut, Hex (M8 x 1.25)
17	185-2377	3	Washer, Flat (M8)
18	503-0131	1	Clamp, Hose
19	503-0891	1	Hose, Rubber
20	123-1628	1	Spacer
21	505-0135	1	Nipple, Half - Used Beginning November 1984
22	504-0030	1	Valve, Cock - Used Beginning November 1984
23	505-0101	1	Nipple, Close - Used Beginning November 1984

Oil Pressure Switches (Remote Start Sets)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0005	1	Line, Fuel - Flexible	8	856-0012	1	Washer, Lock - IT (7/16")
2	505-0049	1	Elbow, Pipe - Street, 90°	9	502-0005	1	Elbow, Pipe - 90°, Brass
3	309-0159	1	Switch, Pressure (S6) (Power Latch)	10	505-0049	1	Elbow, Pipe - Street, 90° Used through February 1984
4			Sender, Pressure - Oil (E1) (Not Used On All Applications)		505-1342	1	Used Beginning March 1984
	193-0244	1	Single Pole	11	520-0939	1	Stud, Solenoid - Stop
5	193-0404	1	Double Pole	12	307-2546	1	Solenoid, Stop
	309-0064	1	Switch, Pressure (S1) (Shutdown)	13	150-1995	1	Ball, Joint
	309-0578	1	Single Pole	14	150-1733	1	Ball, Joint
6	502-0058	1	Double Pole	15	813-0102	2	Screw, RHM (#10-32 x .62")
			Tee, Pipe - Brass (1/8) (Not Used On All Applications)	16	870-0131	2	Nut (#10-32)
7	502-0057	1	Tee, Pipe - Brass (1/8)	17	115-0025	2	Nut, Tappet (1/4-28)
				18	856-0003	2	Washer, Lock - EIT (#10)
				19	150-1992	1	Bracket, Mounting - Stop Solenoid

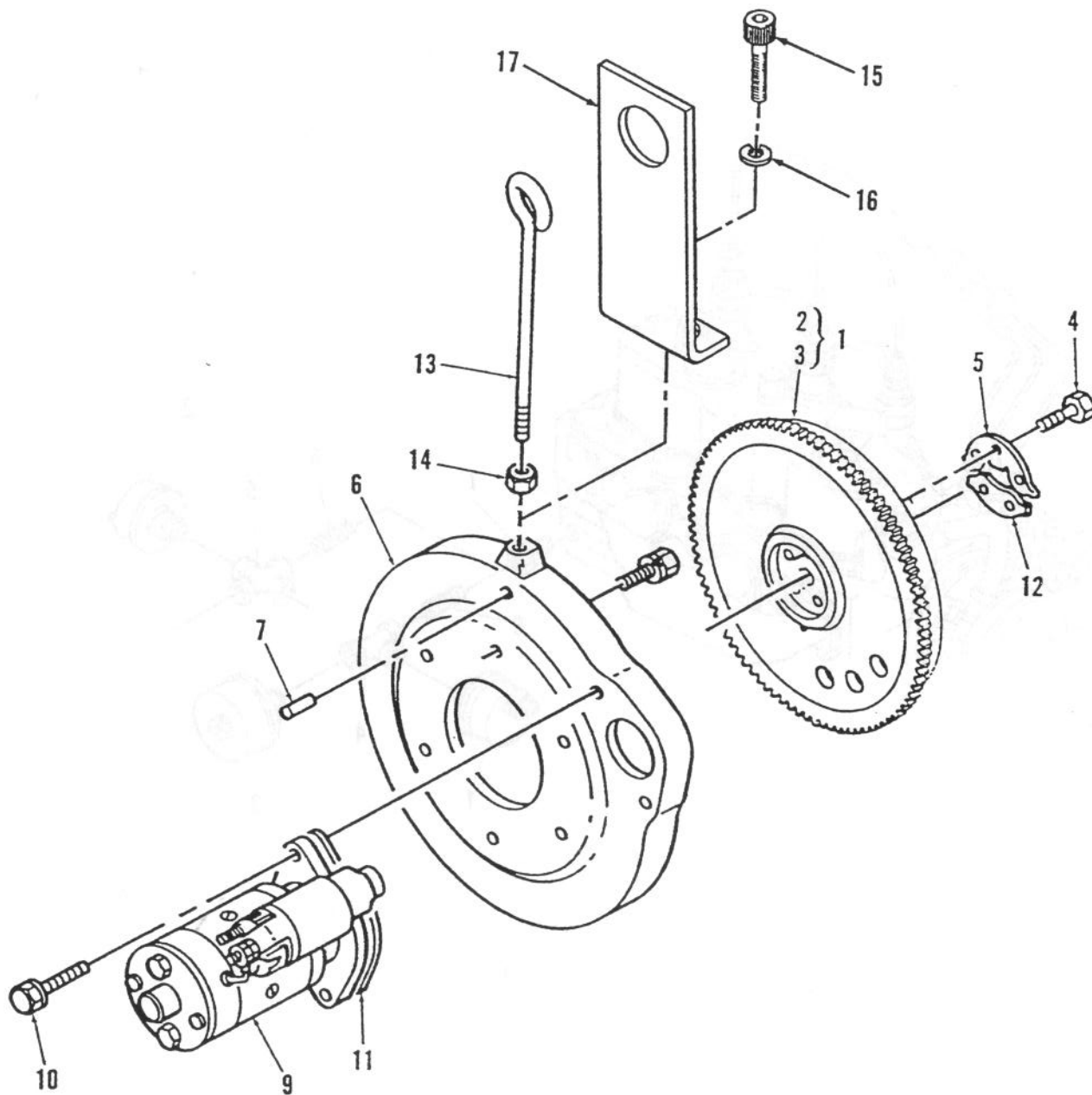
Oil Pressure Switches (Manual Start Sets)



LS-1136

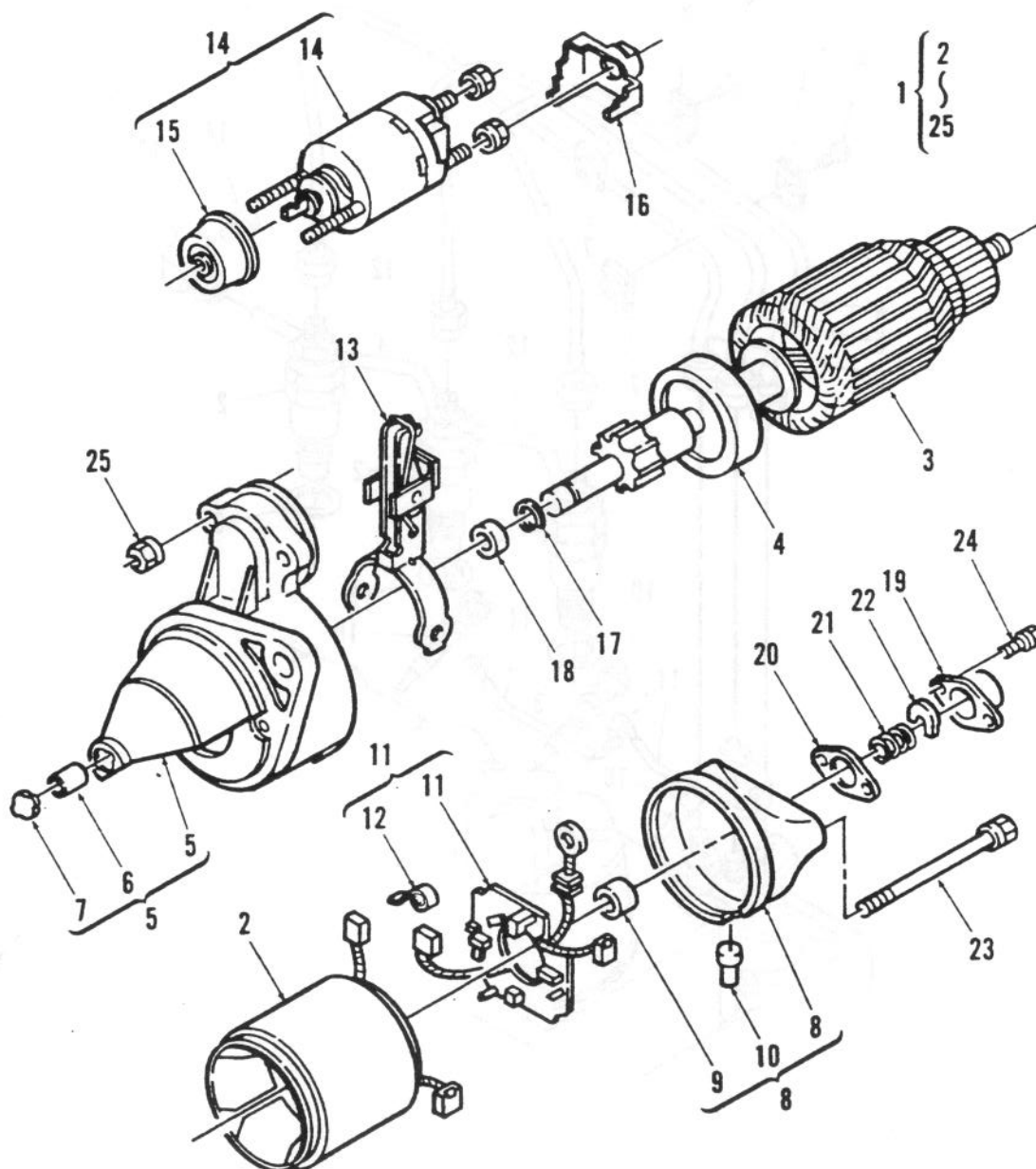
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0064	1	Switch, Pressure - Oil (S1) (Shutdown)	4	505-0059	1	Tee, Pipe - Iron
2	309-0159	1	Switch, Pressure - Oil (S6) (Power Latch)	5	505-0763	1	Cross, Pipe - Iron
3	193-0244	1	Sender, Pressure - Oil (E1)	6	505-0098	1	Nipple, Pipe - Close
				7	502-0917	1	Adapter, Pipe - Brass (Used Beginning March 1984)

Flywheel & Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2308	1	Flywheel (Includes Gear Ring)	11	185-2314	1	Gasket
2	NFS		Flywheel	12	185-2219	1	Plate, Locking - Bolt/Nut
3	185-2170	1	Gear, Ring	13	403-2214	1	Bolt, Eye (Used Through Spec A)
4	185-2301	5	Bolt, Hex	14	862-0003	1	Nut, Hex (3/8-16) (Used Through Spec A)
5	185-2218	1	Plate, Locking - Bolt/Nut	15	802-0072	1	Screw, Socket Head (3/8-16 x 1")
6	185-2417	1	Adapter, Generator	16	850-0050	1	Washer, Lock - Spring (3/8")
7	775-0072	1	Pin, Straight	17	403-2634	1	Bracket, Lifting (Begin Spec B)
8	185-2178	8	Bolt, Hex with Lockwasher				
9	185-2116	1	Starter (12VDC) (See Separate Figure for Replacement Parts)				
10	185-2404	2	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 28mm)				

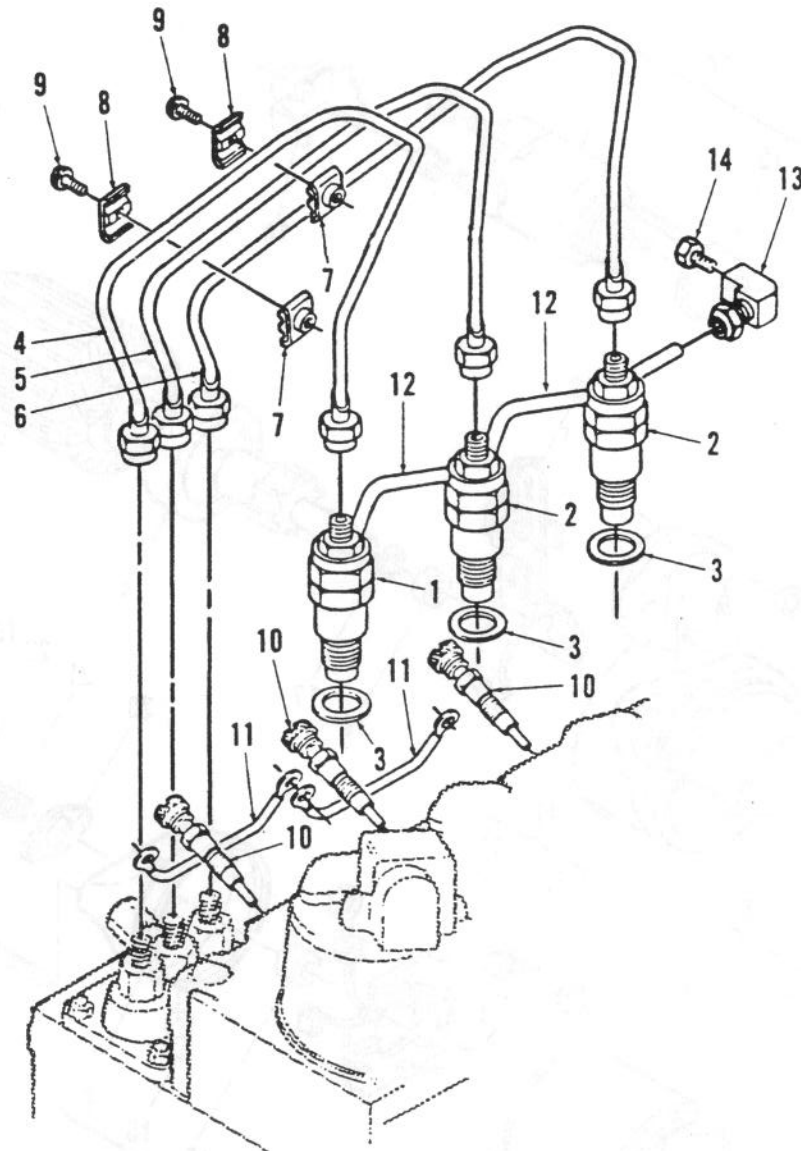
Starter - Exploded View



ES-1474

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2116	1	Starter (12VDC) (Complete)	14	185-2117	1	Solenoid
2	185-2322	1	Coil, Field	15	185-2331	1	Cover, Plunger
3	185-2321	1	Armature	16	185-2323	1	Insulator, Terminal
4	185-2319	1	Clutch	17	185-2111	1	Ring, Retaining
5	185-2118	1	Housing, Drive End	18	185-2195	1	Spacer, Sleeve
6	185-2295	1	Bushing, Sleeve	19	185-2332	1	Housing
7	185-2335	1	Cover	20	185-2333	1	Gasket
8	185-2326	1	Housing, Brush End	21	185-2325	1	Spring
9	185-2327	1	Bushing, Sleeve	22	185-2324	1	Clip, Retaining
10	185-2119	1	Cover	23	185-2328	2	Bolt, Hex
11	185-2329	1	Brush Rig	24	185-2383	2	Screw, Machine - Pan Head with Lockwasher (M4 x .5 x 14MM)
12	185-2330	4	Spring	25	185-2334	2	Nut, Hex
13	185-2320	1	Lever, Drive				

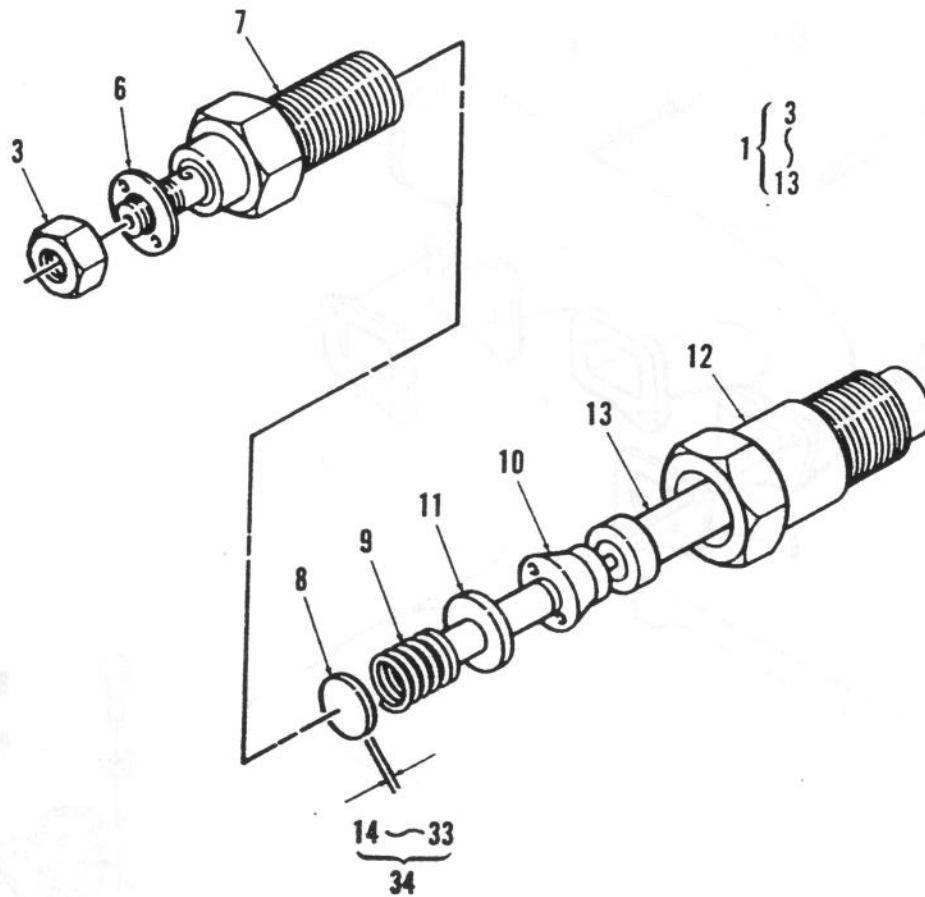
Glow Plug & Injection Nozzles



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2436	1	Nozzle, Injection - Fuel (See Separate Page for Components)
2	185-2436	2	Nozzle, Injection - Fuel (See Separate Page for Components)
3	185-2294	3	Gasket
4	185-2159	1	Line, Fuel - Injection
5	185-2160	1	Line, Fuel - Injection
6	185-2224	1	Line, Fuel - Injection
7	185-2344	2	Clamp

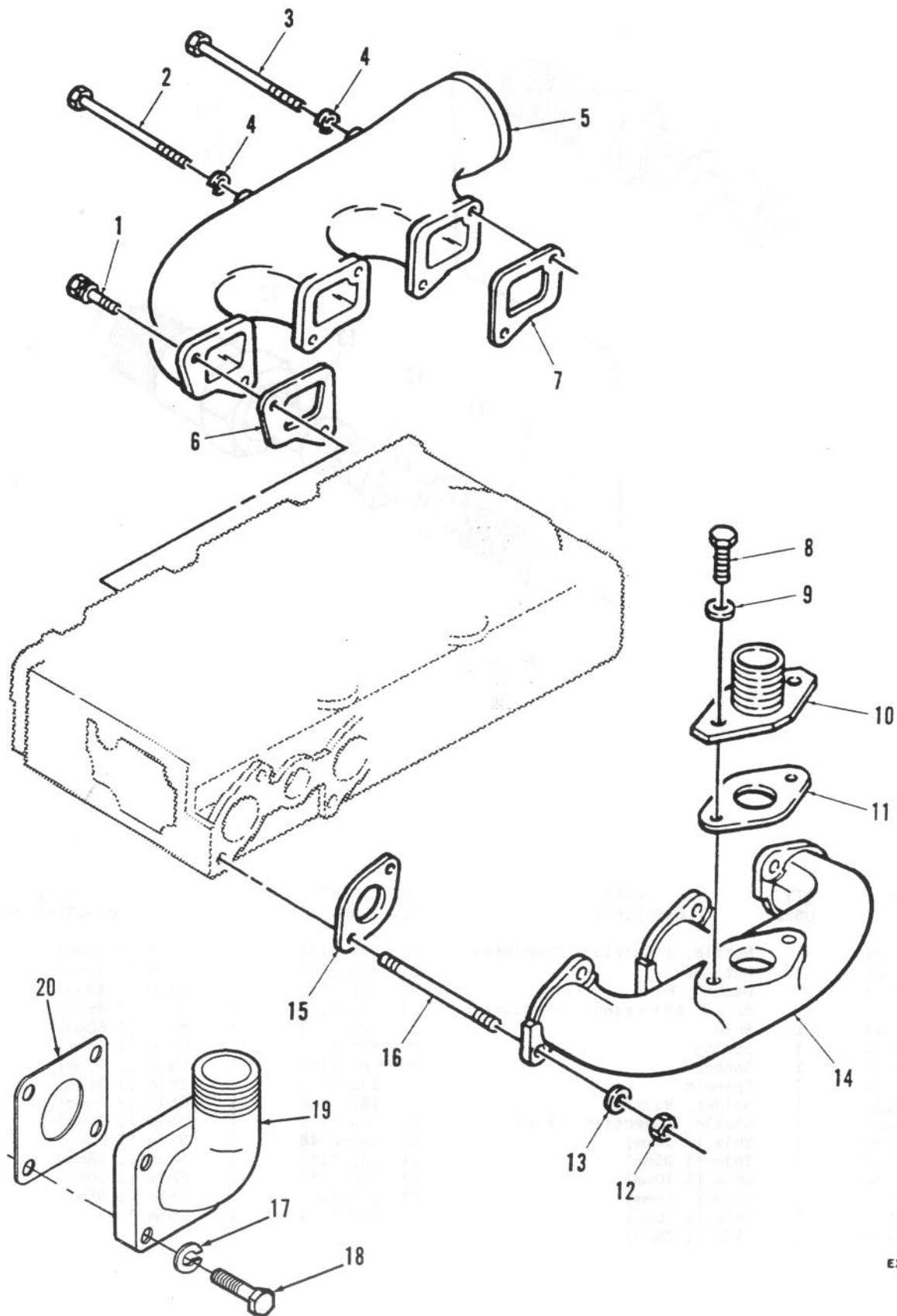
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	185-2345	2	Clamp
9	185-2385	2	Screw, Machine - Pan Head with Lockwasher (M5 x .8 x 20mm)
10	185-2289	3	Plug, Glow (12 VDC)
11	185-2172	2	Lead, Electrical
12	185-2437	1	Tube, Fuel - Overflow
13	502-0886	1	Elbow, Tube to Pipe, 90°
14	502-0175	1	Adapter, Pipe - Hex (Used Beginning November 1984)

Injection Nozzle - Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2436	1	Nozzle, Injection (Complete)	20	185-2138	1	Shim (1.30mm)
3	185-2107	1	Nut, Hex	21	185-2139	1	Shim (1.35mm)
6	185-2109	1	Washer, Flat	22	185-2140	1	Shim (1.40mm)
7	NFS		Screw, Adjusting - Pressure	23	185-2141	1	Shim (1.45mm)
8	185-2099	1	Shim	24	185-2142	1	Shim (1.50mm)
9	185-2098	1	Spring	25	185-2143	1	Shim (1.55mm)
10	185-2101	1	Spacer	26	185-2144	1	Shim (1.60mm)
11	185-2097	1	Spindle	27	185-2145	1	Shim (1.65mm)
12	185-2100	1	Holder, Nozzle	28	185-2146	1	Shim (1.70mm)
13	185-2459	1	Nozzle, Injection - Fuel	29	185-2147	1	Shim (1.75mm)
14	185-2132	1	Shim (1.00mm)	30	185-2148	1	Shim (1.80mm)
15	185-2133	1	Shim (1.05mm)	31	185-2149	1	Shim (1.85mm)
16	185-2134	1	Shim (1.10mm)	32	185-2150	1	Shim (1.90mm)
17	185-2135	1	Shim (1.15mm)	33	185-2151	1	Shim (1.95mm)
18	185-2136	1	Shim (1.20mm)	34	185-2444	1	Shim Pkg
19	185-2137	1	Shim (1.25mm)				

Inlet/Exhaust Manifold



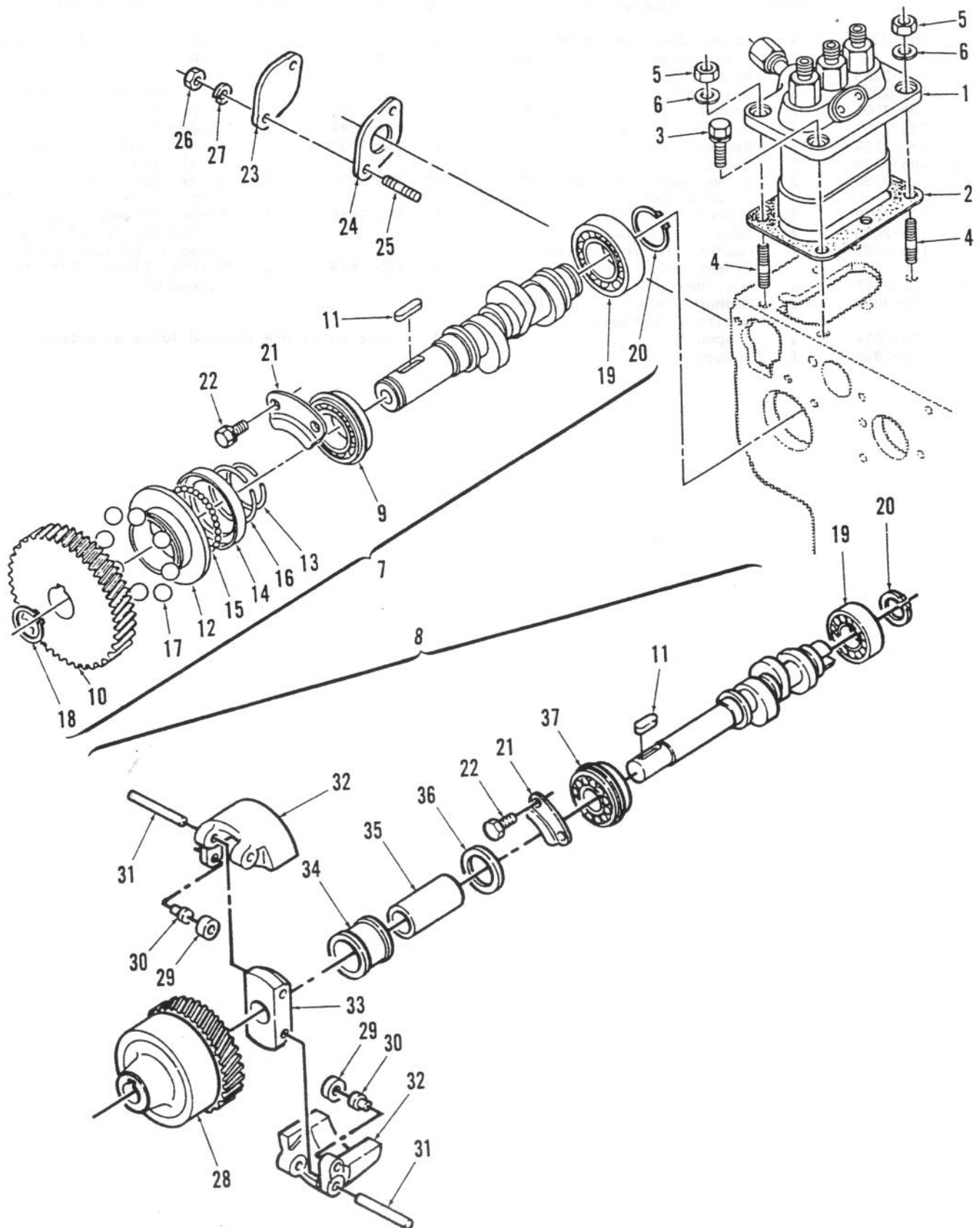
EXS-1115

Inlet/Exhaust Manifold

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2390	4	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 20mm)	15			Gasket, Manifold - Exhaust
2	185-2253	1	Bolt, Hex		185-2131	3	Spec A-C
3	185-2225	1	Bolt, Hex		154-2471	1	* Spec D
4	850-2006	2	Washer, Lock - Spring (M6)	16			Stud, Manifold - Exhaust
5	185-2307	1	Manifold, Inlet		185-2227	6	Spec A-C
6	185-2129	1	Gasket		520-0944	6	* Spec D
7	185-2130	2	Gasket	17	850-2058	4	Washer, Lock - Spring (M8) (Spec D)
8	815-0585	2	Screw, Cap - Hex Head (M10 x 1.25 x 20mm)	18	800-2059	4	Screw, Cap - Hex Head (M8 x 1.25 x 30mm) (Spec D)
9	526-2120	2	Washer, Flat (M10)	19	155-2666	1	Elbow, Exhaust (Spec D) (Attaches to 154-2880, Spec D, Exhaust Manifold)
10	154-2485	1	Adapter, Exhaust	20	155-2619	1	*Gasket, Elbow - Exhaust (Spec D)
11	185-2203	1	Gasket, Manifold - Exhaust (Spec A-C)				
12	860-2007	6	Nut, Hex (M6)				
13	850-2006	6	Washer, Lock - Spring (M6)				
14			Manifold, Exhaust				
	185-2214	1	Spec A-C				
	154-2880	1	* Spec D				

* - These parts are shipped loose by Kubota.

Fuel System - Injection Pump & Driveshaft

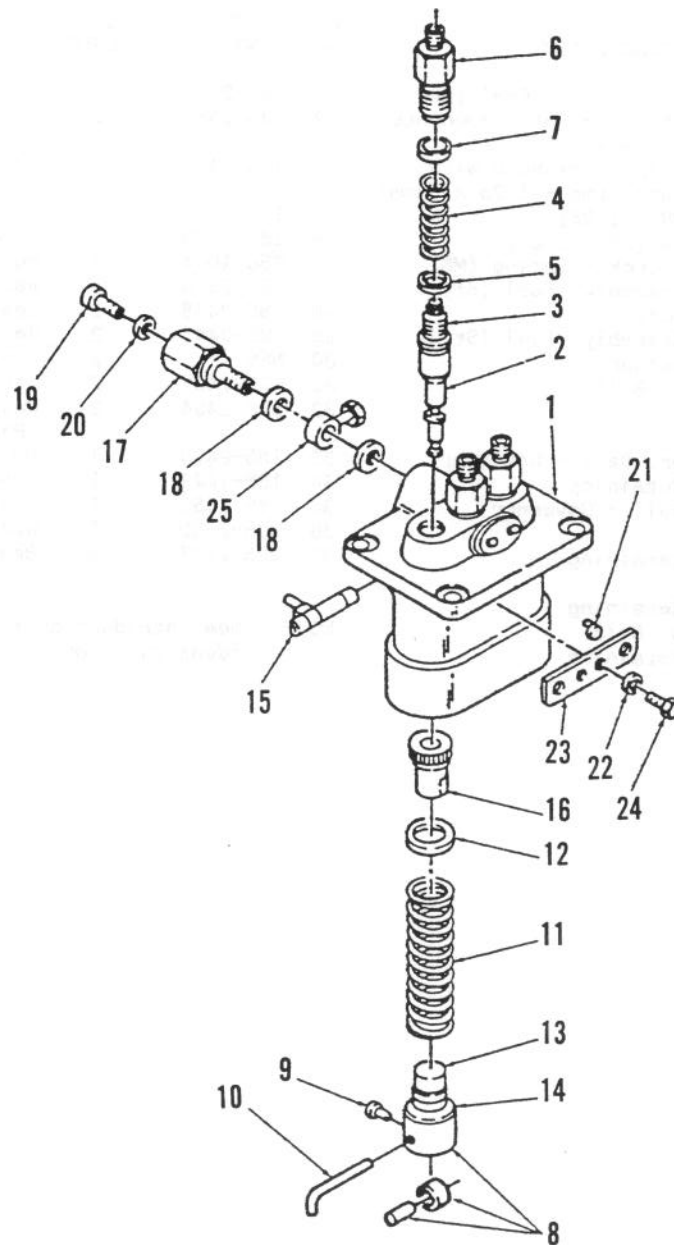


Fuel System Injection Pump and Driveshaft

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2221	1	Pump, Injection - Fuel (See Separate Page for Components)	21	185-2085	1	Plate, Retaining
2	185-2223	4	Shim (0.15mm)	22	185-2386	2	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 12mm)
3	185-2402	2	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 22mm)	23	185-2418	1	Cover, Fuel Pump Mounting Hole
4	185-2106	2	Stud (M8 x 1.25)	24	185-2125	1	Gasket
5	185-2367	2	Nut, Hex (M8 x 1.25)	25	185-2359	2	Stud (M6 x 1 x 16mm)
6	185-2381	2	Washer, Lock - Spring (M8)	26	750-1004	2	Nut, Hex (M6 x 1)
7	185-2083	1	Shaft Assembly, Fuel (Style I Governor)	27	185-2380	2	Washer, Lock - Spring (M6)
8	185-2446	1	Shaft Assembly, Fuel (Style II Governor)	28	185-2448	1	Gear
9	185-2316	1	Bearing, Ball	29	185-2443	2	Roller
10	185-2158	1	Gear	30	NFS	2	Pin, Straight - Headed
11	185-2354	1	Key	31	185-2452	2	Pin, Straight - Headless
12	185-2162	1	Retainer, Ball - Governor	32	815-2454	2	Weight, Governor (Includes Pivot Pins)
13	185-2163	1	Ring, Retaining	33	185-2453	1	Holder, Weight
14	185-2164	1	Race, Ball - Governor	34	185-2449	1	Sleeve
15	185-2357	30	Ball	35	185-2451	1	Collar
16	185-2165	1	Ring, Retaining	36	185-2450	1	Washer, Thrust
17	185-2358	7	Ball	37	185-2447	1	Bearing, Ball
18	185-2369	1	Ring, Retaining				
19	815-2315	1	Bearing, Ball				
20	185-2370	1	Ring, Retaining				

NOTE: See Introduction for governor style identification.

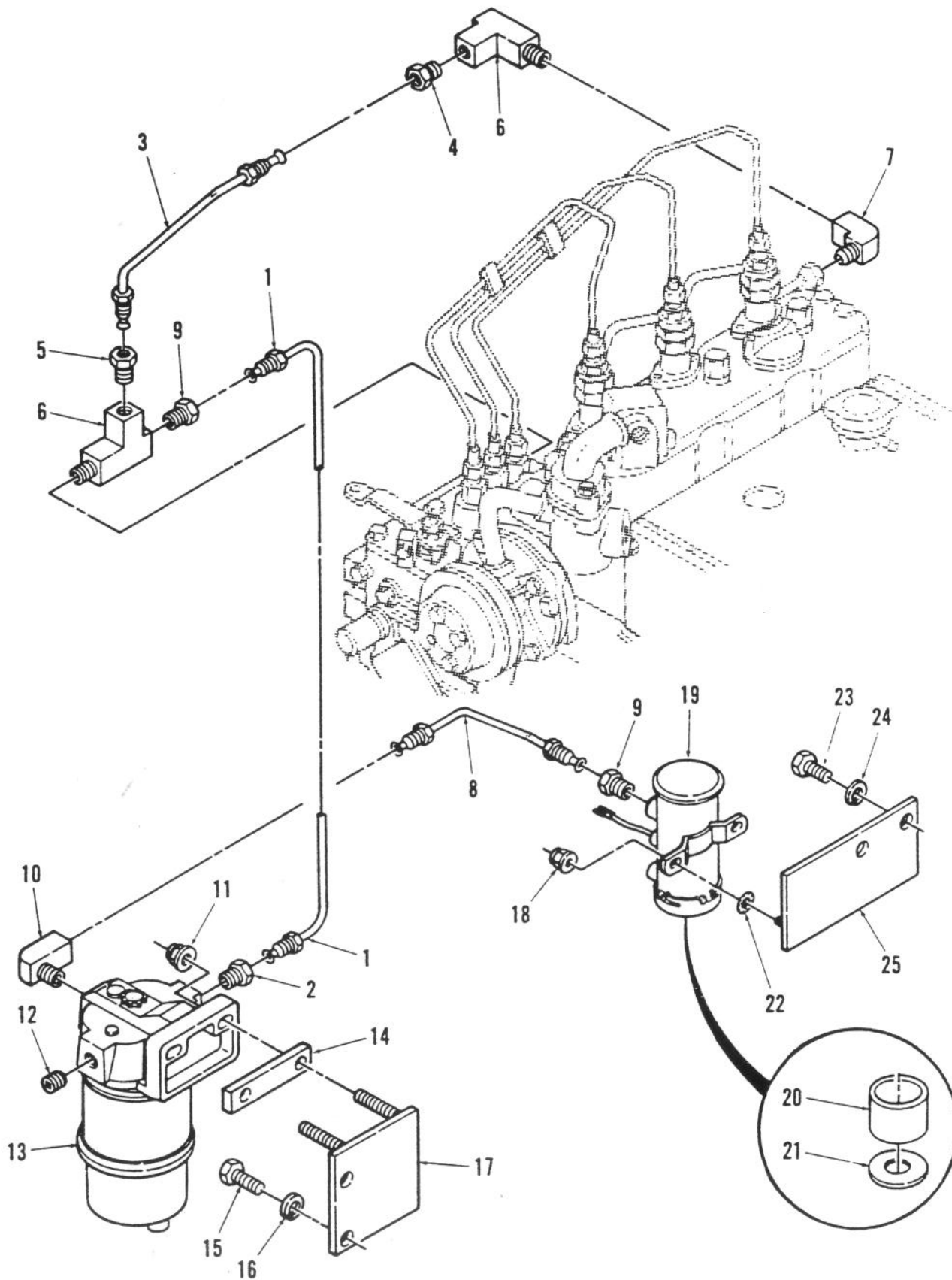
Injection Pump - Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2221	REF	Pump, Injection - Fuel	16	NFS		Shaft, Fuel Control
2	NFS		Housing, Pump	17	NFS		Sleeve, Fuel Control
3	NFS		Plunger, Delivery Valve	18	NFS		Vent, Air
4	NFS		Valve, Delivery	19	185-2197	2	O-Ring
5	NFS		Spring	20	NFS		Screw, Cap - Hex Head (Air Vent)
6	185-2196	3	Gasket	21	185-2318	1	O-Ring
7	NFS		Connector, Fuel Line	22	NFS		Collar
8	185-2198	3	O-Ring	23	NFS		Washer, Lock - Spring
9	NFS		Tappet (Includes Roller and Shaft)	24	NFS		Plate, Adjusting
10	NFS		Pin, Shouldered	25	NFS		Screw, Cap - Hex Head
11	NFS		Pin, Roller Shaft	26	185-2415	1	Adapter, Line - Fuel
12	NFS		Spring	27	147-0736	1	Joint, Eye (Injection Pump Inlet) (Spec D) (Shipped loose by Kubota) (Not illustrated)
13	NFS		Seat, Spring - Upper				
14	NFS		Seat, Spring - Lower				
15	NFS		Shim				



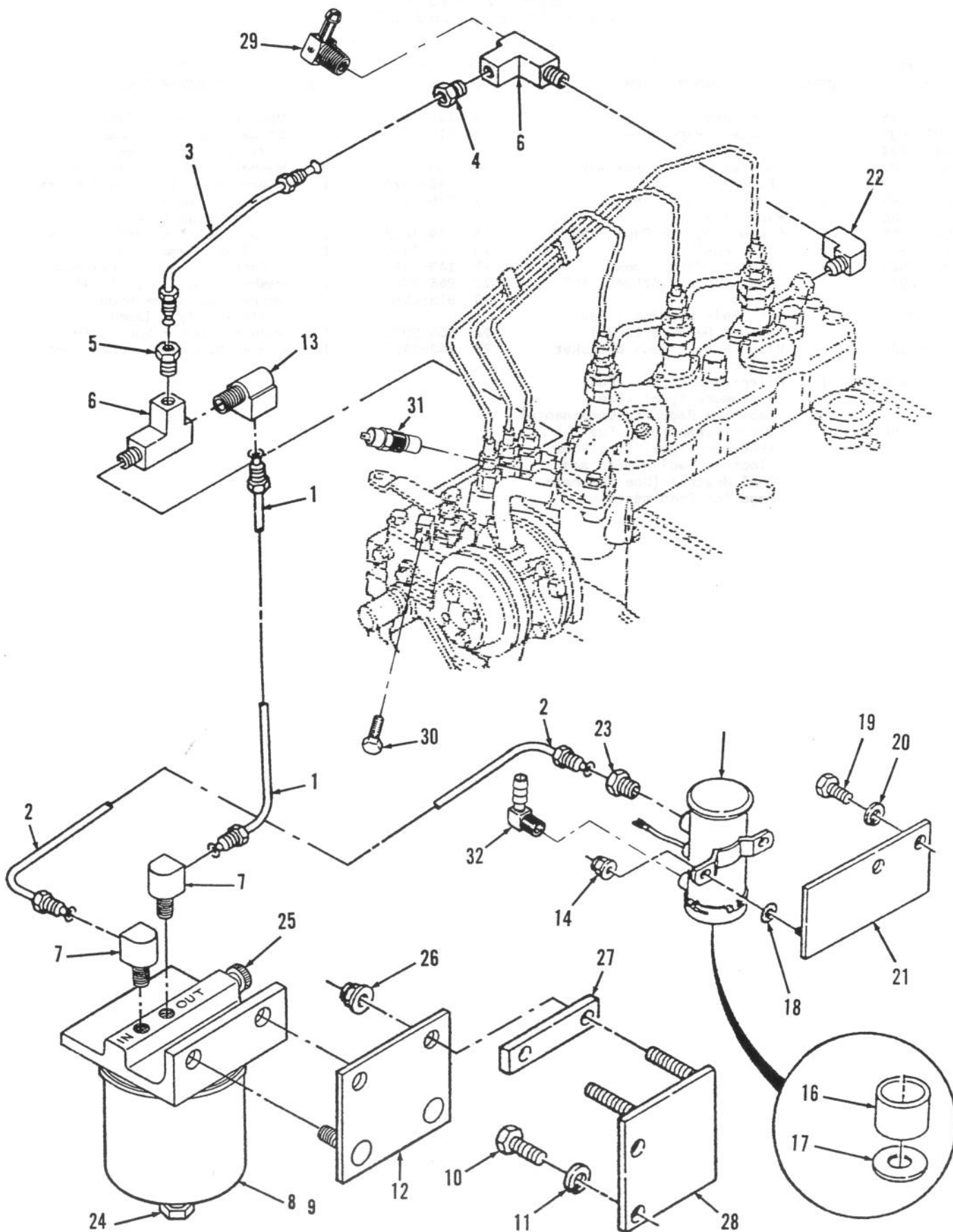
Fuel System - With Electrical Pump and Filter
 (RV - Spec A and B)
 (Aux - Spec B and C)



Fuel System - With Electrical Pump and Filter
(RV - Spec A and B)
(Aux - Spec B and C)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-1945	1	Line, Fuel	14	149-1922	1	Spacer, Filter - Fuel
2	502-0033	1	Adapter, Pipe - Hex	15	815-0586	2	Screw, Cap - Hex Head (M10 x 1.25 x 16mm)
3	149-1944	1	Line, Fuel	16	850-2010	2	Washer, Lock - Spring (M10)
4	502-0281	1	Adapter, Pipe - Hex with Restrictor Plug	17	149-1920	1	Plate, Mounting - Fuel Filter
5	502-0097	1	Adapter, Pipe - Hex	18	870-0212	2	Nut, Self-locking - Hex Washer Head (1/4-20)
6	502-0058	2	Pipe, Tee	19	149-1828	1	Pump, Fuel - Electric (12 VDC)
7	502-0886	1	Elbow, Tube to Pipe - 90°	20	149-1445	1	Filter, Pump - Fuel
8	149-1932	1	Line, Fuel	21	149-1446	1	Gasket, Cover - Fuel Pump
9	502-0003	2	Adapter, Pipe - Hex	22	856-0006	2	Washer, Lock - EIT (1/4)
10	502-0041	1	Pipe, Elbow - Street, 90°, Brass	23	815-0586	2	Screw, Cap - Hex Head (M10 x 1.25 x 16mm)
11	870-0257	2	Nut, Self-Locking - Hex Washer Head (5/16-18)	24	850-2010	2	Washer, Lock - Spring (M10)
12	505-0180	1	Plug, Pipe - Square Socket Drive	25	149-1921	1	Plate, Mounting - Fuel Pump
13	149-1908-04	1	Filter/Separator - Fuel (Pressure Type) (See Separate Page for Components)				
	149-1908-06	1	Filter/Separator - Fuel (Pressure Type) (Includes Electric Fuel Heater and Bowl Heater) (See Separate Page for Components)				

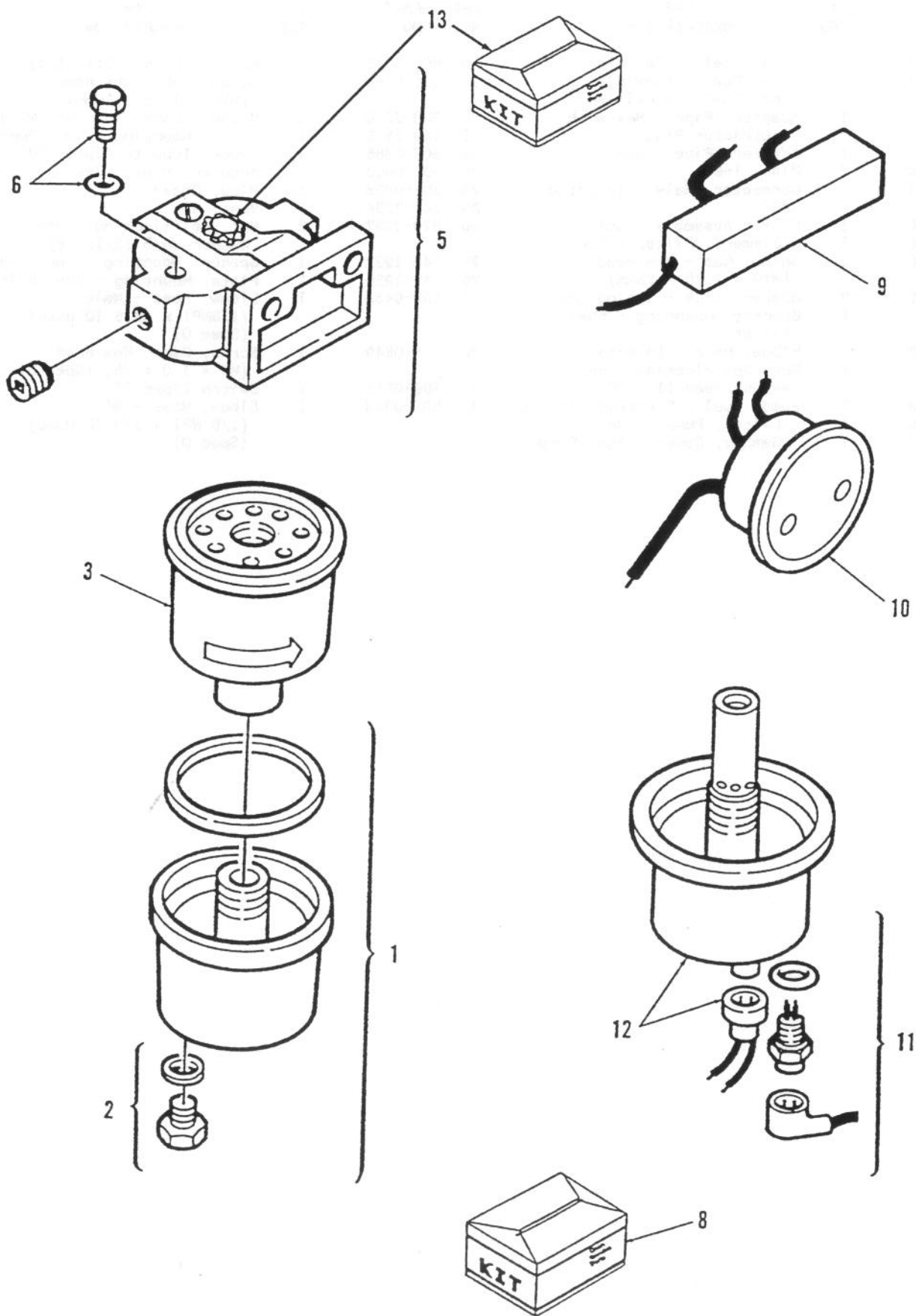
Fuel System - With Electrical Pump and Filter (RV - Spec C-D)



Fuel System - With Electrical Pump and Filter **(RV - Spec C-D)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2102	1	Line, Fuel - Flexible	18	856-0006	2	Washer, Lock - EIT (1/4)
2	149-2101	1	Line, Fuel - Flexible	19	815-0586	2	Screw, Cap - Hex Head (M10 x 1.25 x 16mm)
3	149-1944	1	Line, Fuel - Flexible	20	850-2010	2	Washer, Lock - Spring (M10)
4	502-0281	1	Adapter, Pipe - Hex with Restrictor Plug	21	149-1921	1	Plate, Mounting - Fuel Pump
5	502-0097	1	Adapter, Pipe - Hex	22	502-0886	1	Elbow, Tube to Pipe - 90°
6	502-0058	2	Pipe, Tee	23	502-0003	1	Adapter, Pipe - Hex
7	502-0041	2	Connector, Male - Inverted, 90°	24	502-0028	1	Plug, Drain
8	149-2100	1	Filter Assembly, Fuel	25	149-2234	1	Vent, Air
9	149-2106	1	Element, Filter - Fuel	26	870-0257	2	Nut, Self-locking - Hex Washer Head (5/16-18)
10	815-0600	2	Screw, Cap - Hex Head (M10 x 1.25 x 25mm)	27	149-1922	1	Spacer, Mounting - Fuel Filter
11	850-2010	2	Washer, Lock - Spring (M10)	28	149-1920	1	Plate, Mounting - Fuel Filter
12	149-2108	1	Bracket, Mounting - Fuel Filter	29	502-0433	1	Elbow, Hose - Male (1/8NPT x 5/16 ID Hose) (Spec D)
13	502-0002	1	Elbow, Male - Inverted	30	815-0649	1	Screw, Cap - Hex Head (M6 x 1.0 x 25) (Spec D)
14	870-0212	2	Nut, Self-locking - Hex Washer Head (1/4-20)	31	309-0513	1	Switch (Spec D)
15	149-1828	1	Pump, Fuel - Electric (12 VDC)	32	502-0313	1	Elbow, Hose - 90° (1/8 NPT x 1/4 ID Hose) (Spec D)
16	149-1445	1	Filter, Pump - Fuel				
17	149-1446	1	Gasket, Cover - Fuel Pump				

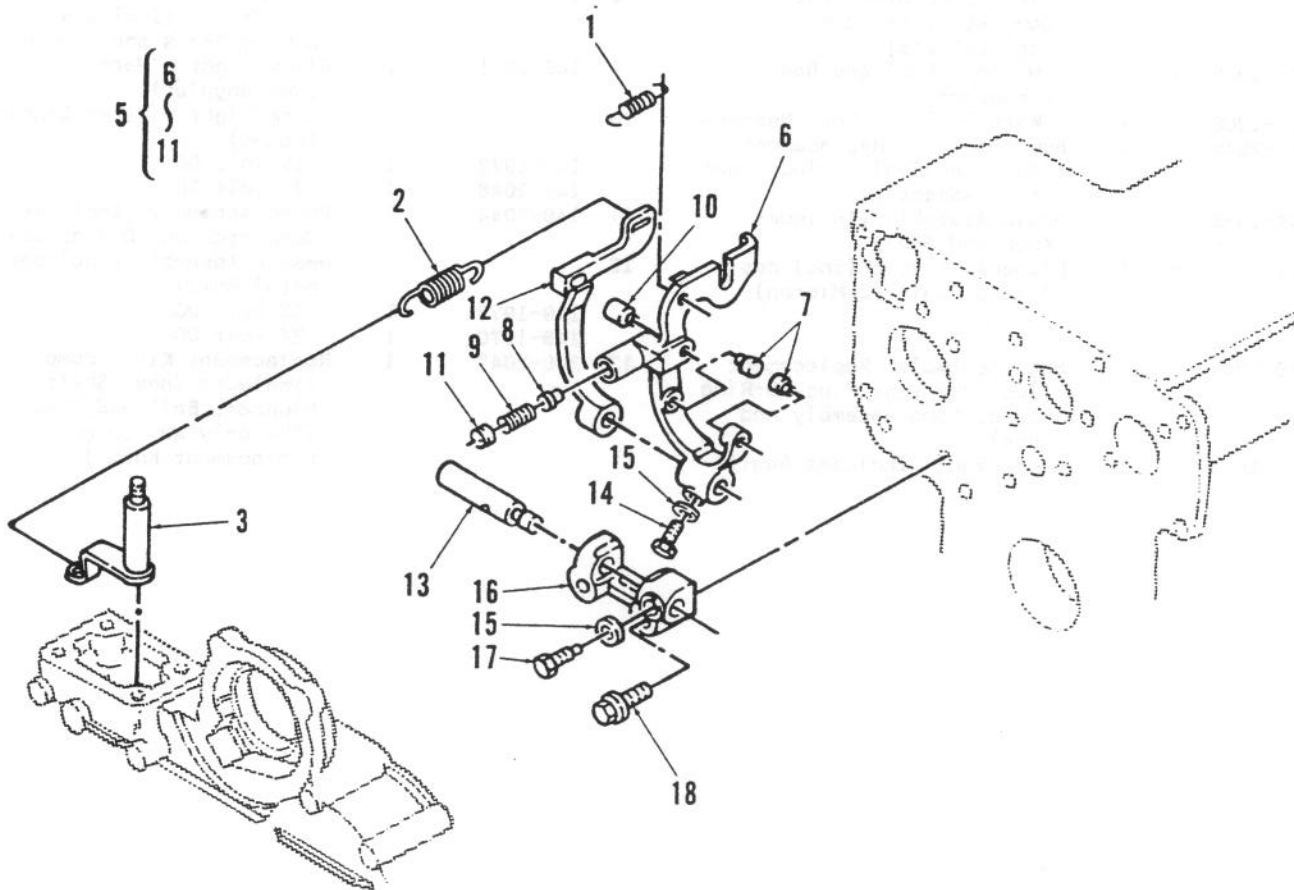
Fuel/Water Separator



Fuel/Water Separator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Filter/Separator, Fuel Complete (Pressure Applications)	8	149-2045	1	Seal Kit, Separator - Fuel/Water (Includes all O-Ring Seals and Plunger)
	149-1908-04	1	Without Fuel and Bowl Heaters	9	149-1971	1	Alarm/Tight - Water Sensor (Rectangular)
	149-1908-06	1	With Fuel and Bowl Heaters	10			Alarm/Tight - Water Sensor (Round)
1	149-2046	1	Bowl, Metal - Replacement (Includes Seals, Plugs, and Drain Assembly)		149-1972	1	12 Volt DC
2	149-1953	1	Drain Assembly (Includes Knob and Seal)		149-2048	1	24 Volt DC
3	149-1914-04	1	Element, Filter (Includes O-Ring Seal) (2 Micron)	11	149-2044	1	Probe Assembly (Includes Connector and O-Ring Seal)
				12			Heater Assembly (Includes Metal Bowl)
					149-1978	1	12 Volt DC
5	149-1949	1	Head Assembly, Replacement (Includes Vent Plug, O-Ring Seals, Pump Assembly and Tube)		149-1970	1	24 Volt DC
6	149-1952	1	Plug, Vent (Includes Seal)	13	149-2047	1	Replacement Kit - Pump (Includes Knob, Shaft, Plunger, Ball and Ring) (The only way to get a replacement knob!)

Governor

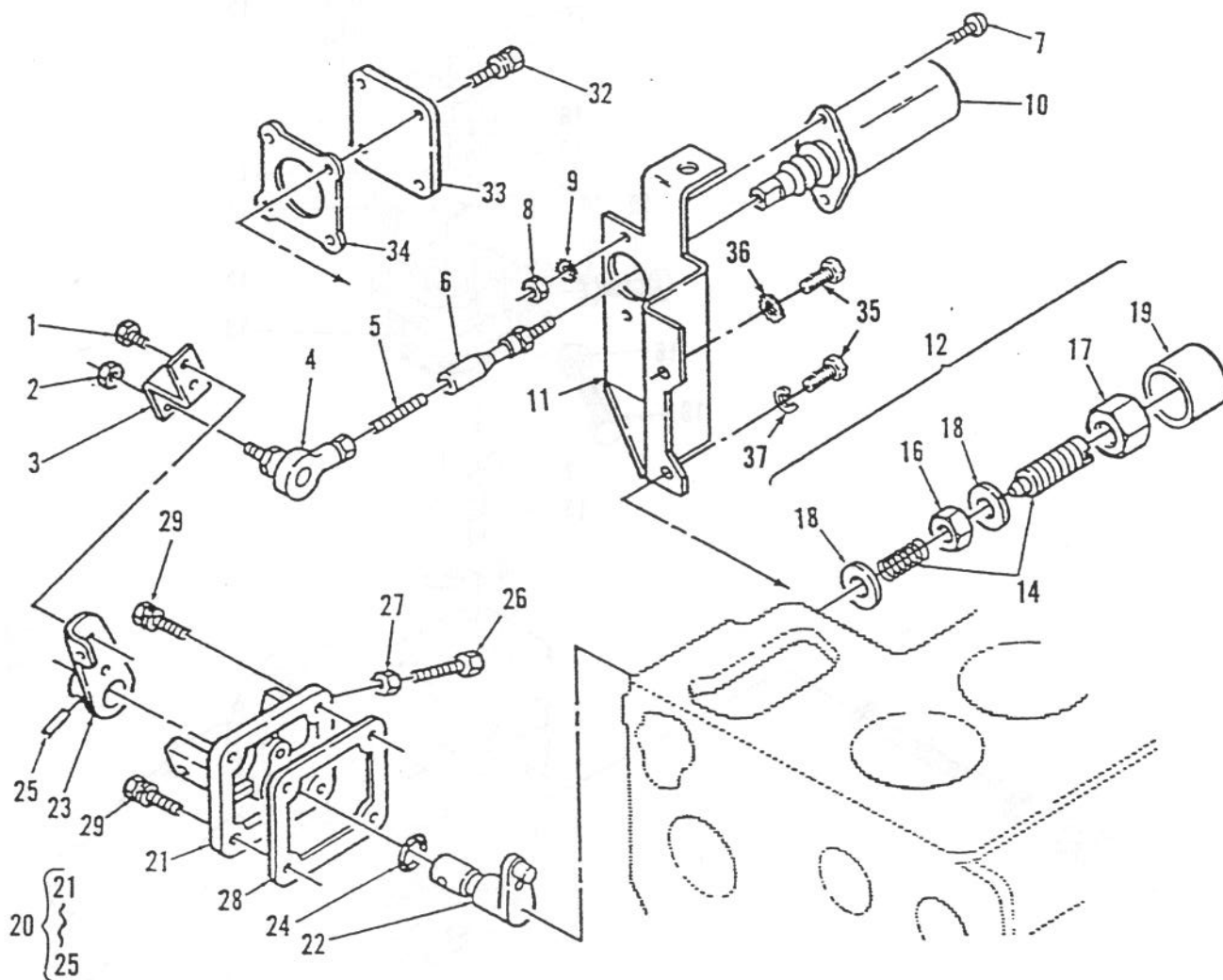


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2103	1	Spring
2			Spring, Governor
	185-2466	1	50 Hz
	185-2427	1	60 Hz
	185-2440	1	Style II
3	185-2261	1	Lever, with Shaft - Governor
5	185-2310	1	Lever Assembly, Governor
	185-2441	1	Lever Assembly, Governor
6	NFS		Lever
7	NFS		Follower, Cam
8	NFS		Plug

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	NFS		Spring
10	NFS		Pivot
11	NFS		Screw, Adjusting
12	185-2262	1	Lever, Governor (Style I Gov.)
	185-2442	1	Lever, Governor (Style II Gov.)
13	185-2166	1	Shaft
14	718-1006	1	Screw, Cap - Hex Head
			(M5 x .5 x 16mm)
15	185-2379	1	Washer, Lock - Spring (M5)
16	185-2167	1	Holder, Lever - Governor
17	185-2173	1	Bolt, Hex
18	185-2392	2	Screw, Cap - Hex Head with
			Lockwasher (M6 x 1 x 28mm)

NOTE: See introduction for governor style identification.

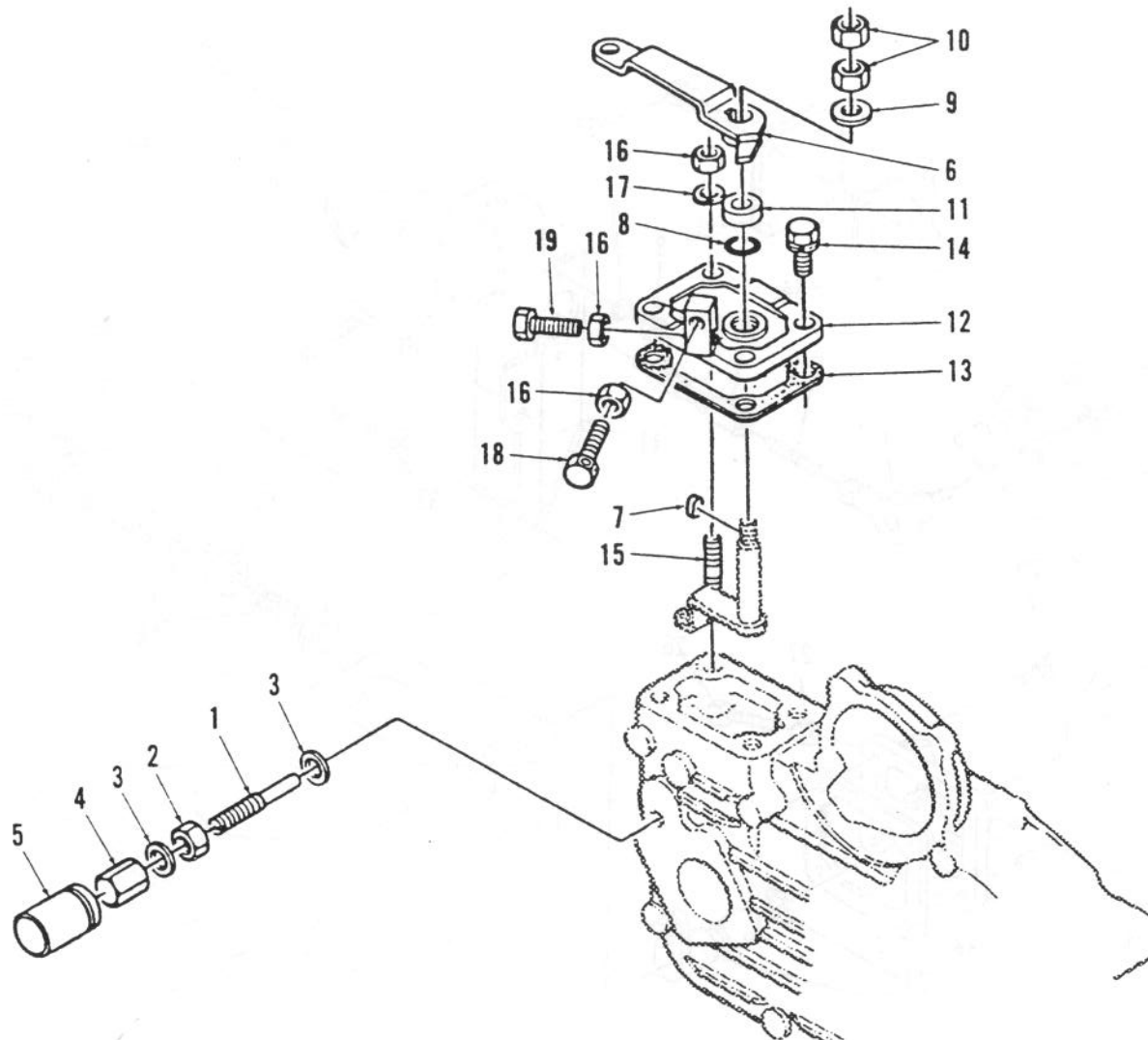
Stop Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0181	2	Screw, Tapping - Hex Head (#10-32 x 1/2")	20	185-2462	1	Lever, Stop (Includes Parts Marked *)
2	115-0025	1	Nut, Hex (1/4-28 UNF)	21	185-2257	1	*Cover
3	150-1991-02	1	Bracket, Stop Lever	22	NFS		*Shaft
4	150-1995	1	Ball Joint (1/4-28 UNF)	23	NFS		*Lever
5	520-0939	1	Stud (1/4-28 x 1-1/2" LG)	24	185-2347	1	*O-Ring
6	150-1733	1	Ball Joint (1/4-28 UNF)		185-2461	1	Seal, Oil
7	813-0102	2	Screw, Machine - Round Head (#10-32 x 5/8")	25	185-2351	1	*Pin, Spring
8	870-0131	2	Nut, Hex with ET Lockwasher (#10-32)	26	185-2342	1	Bolt, Hex
9	856-0003	2	Washer, Lock - EIT (#10)	27	750-1004	1	Nut, Hex (M6 x 1)
10	307-2546	1	Solenoid, Electric (12 VDC)	28	185-2114	1	Gasket
11	150-1992	1	Bracket, Solenoid Mounting	29	185-2389	4	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 18mm)
12			Control, Idle - Governor	32	185-2400	4	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 18mm)
	185-2258	1	Style I	33	185-2126	1	Cover
	185-2432	1	Style II	34	185-2120	1	Gasket
14			Adjuster, Idle - Governor	35	800-2057	2	Screw, Hex Head (M8 x 1.25 x 20mm)
	185-2259	1	Style I	36	856-0008	1	Washer, Lock - External, Internal Tooth (M8)
	185-2433	1	Style II	37	850-2008	1	Washer, Lock
16	185-2180	1	Nut, Hex				
17	185-2182	1	Cap Nut				
18	185-2338	2	Seal, Oil				
19	185-2161	1	Cap				

* - Parts Included in Stop Lever Assembly

Speed Control Assembly



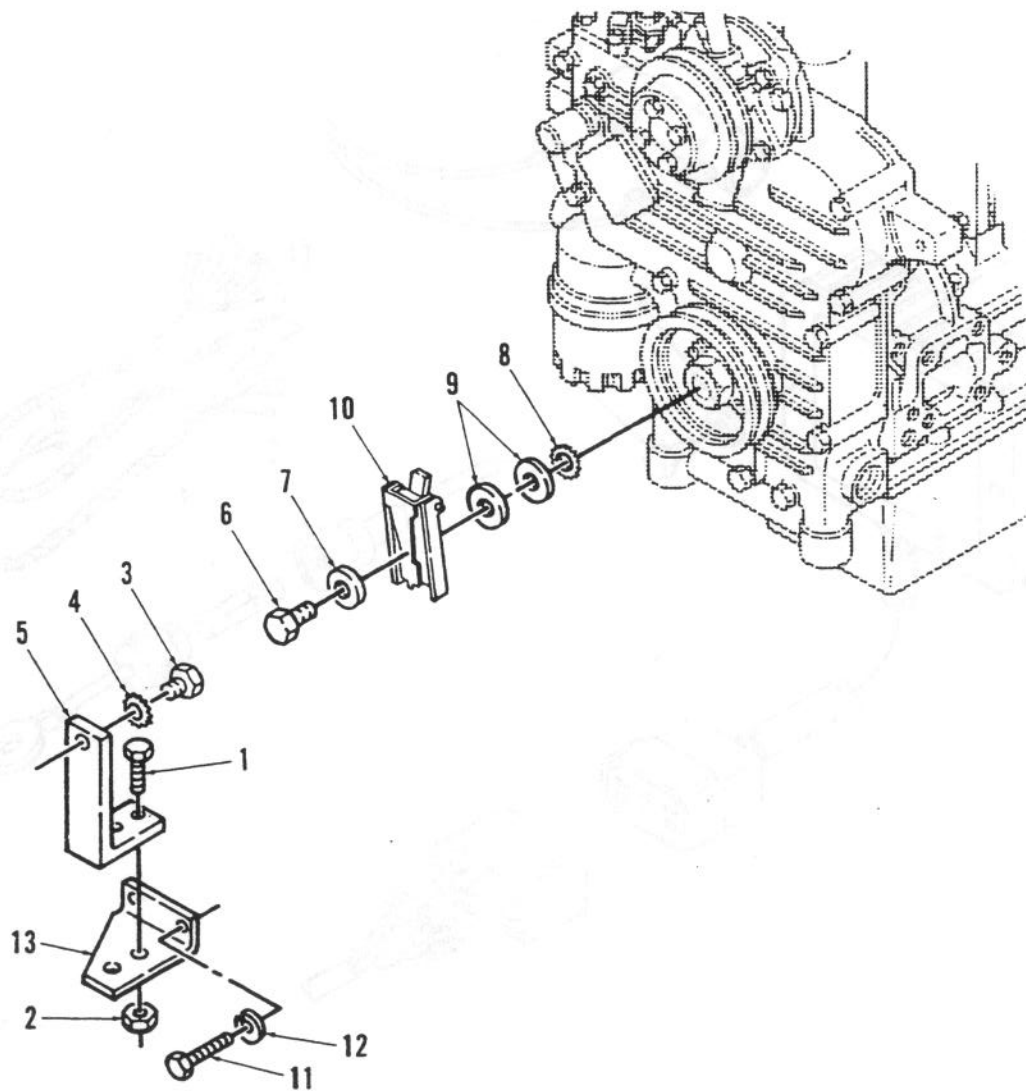
FS-1559

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2260	1	Screw, Adjusting
	185-2438	1	Style I
2	185-2248	1	Nut, Hex
3	185-2284	3	Seal, Oil
4	185-2282	1	Cap Nut
5	185-2283	1	Cap
6	185-2264	1	Lever, Control - Speed
7	185-2187	1	Key
8	185-2373	1	O-Ring
9	185-2376	1	Washer, Flat (M6)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	185-2364	2	Nut, Hex (M6 x 1)
11	185-2169	1	Bearing, Sleeve
12	185-2263	1	Housing, Control - Speed
13	185-2168	1	Gasket
14	185-2390	3	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 20mm)
15	185-2105	1	Stud
16	750-1004	3	Nut, Hex (M6 x 1)
17	185-2380	1	Washer, Lock - Spring (M6)
18	815-0649	1	Bolt, Hex - Lever Stop
19	185-2439	1	Bolt, Hex - Lever Stop

NOTE: See Introduction for governor style identification.

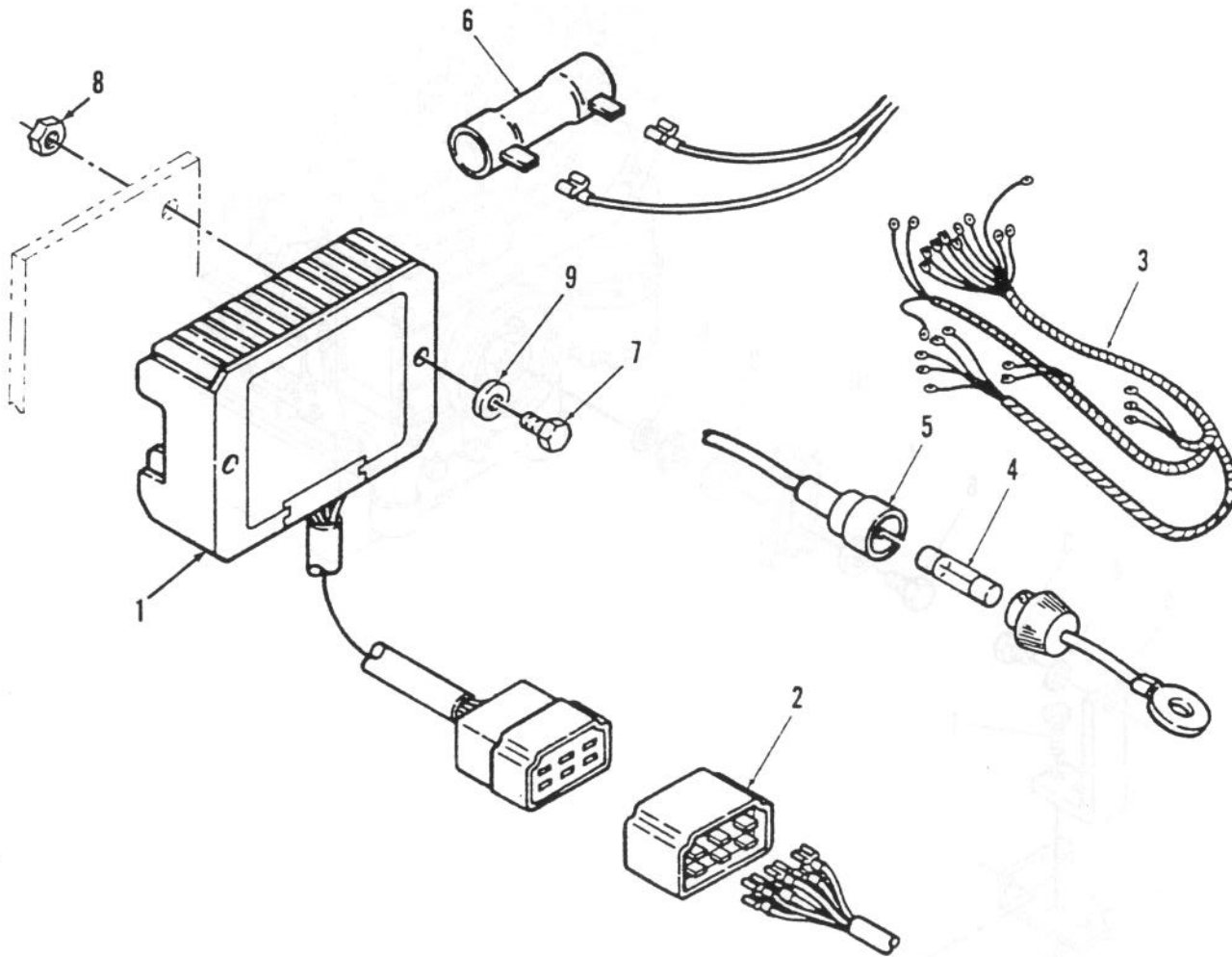
Overspeed Switch



ES-1472

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0015	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/4")	7	850-2008	1	Washer, Lock - Spring (M8)
2	870-0212	2	Nut, Self-locking - Hex Washer Head (1/4-20)	8	856-0008	1	Washer, Lock - EIT (5/16")
3	150-2011	1	Point, Contact - Electrical (1/4-20 x 3/8")	9	526-0113	2	Washer, Flat (5/16")
4	853-0013	1	Washer, Lock - ET (1/4")	10	150-0717	1	Switch, Overspeed
5	150-2009	1	Bracket, Support - Overspeed Contact (Nonmetallic)	11	800-2044	2	Screw, Cap - Hex Head (M6 x 1.0 x 70mm)
6	800-2057	1	Screw, Cap - Hex Head (M8 x 1.25 x 20mm)	12	850-2006	2	Washer, Lock - Spring (M6)
				13	150-2010	1	Bracket, Support - Overspeed Switch

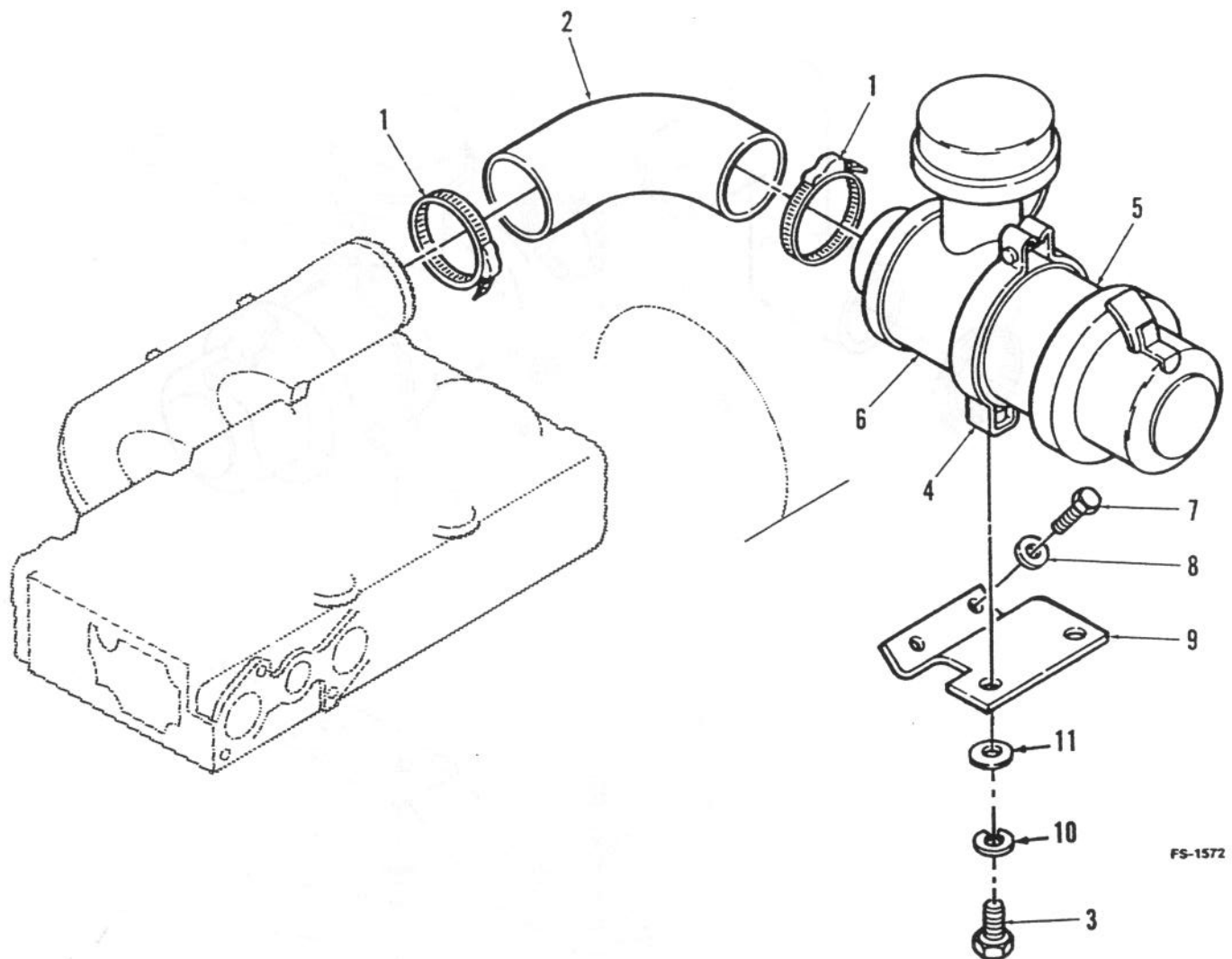
Voltage Regulator & Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2252	1	Regulator, Voltage (12 VDC)
	815-0236	4	Screw, Tapping - Hex Head (5/16-18 x 5/8")
2			Adaptor, Electrical Connector
	185-2424	1	Spec A-C
	323-1297	1	Spec D (Shipped loose by Kubota)
3			Harness, Wiring - Engine to Control
	338-1762	1	Manual (Spec A-C)
			Remote (Spec A-C)
	338-1825-01	1	Without Overspeed Switch
	338-1825-01	1	With Overspeed Switch
	338-2822	1	Spec D (8.0DKD RV)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	321-0113	1	Fuse, Cartridge (30 Amp, 32 VDC, Slo Blo)
5	321-0267	1	Holder, Fuse
6	304-0776	1	Resistor, Fixed, Wirewound (R1) 5 Ohm, 10 Watt (Part of Engine to Control Wiring Harness)
7	815-0544	2	Screw, Round Head Machine - Cross-Recessed with Internal Teeth (#6-32 x 1/2)
8	860-1005	2	Nut, Self-Locking (6-32)
9	526-1002	2	Washer, Flat (#6)

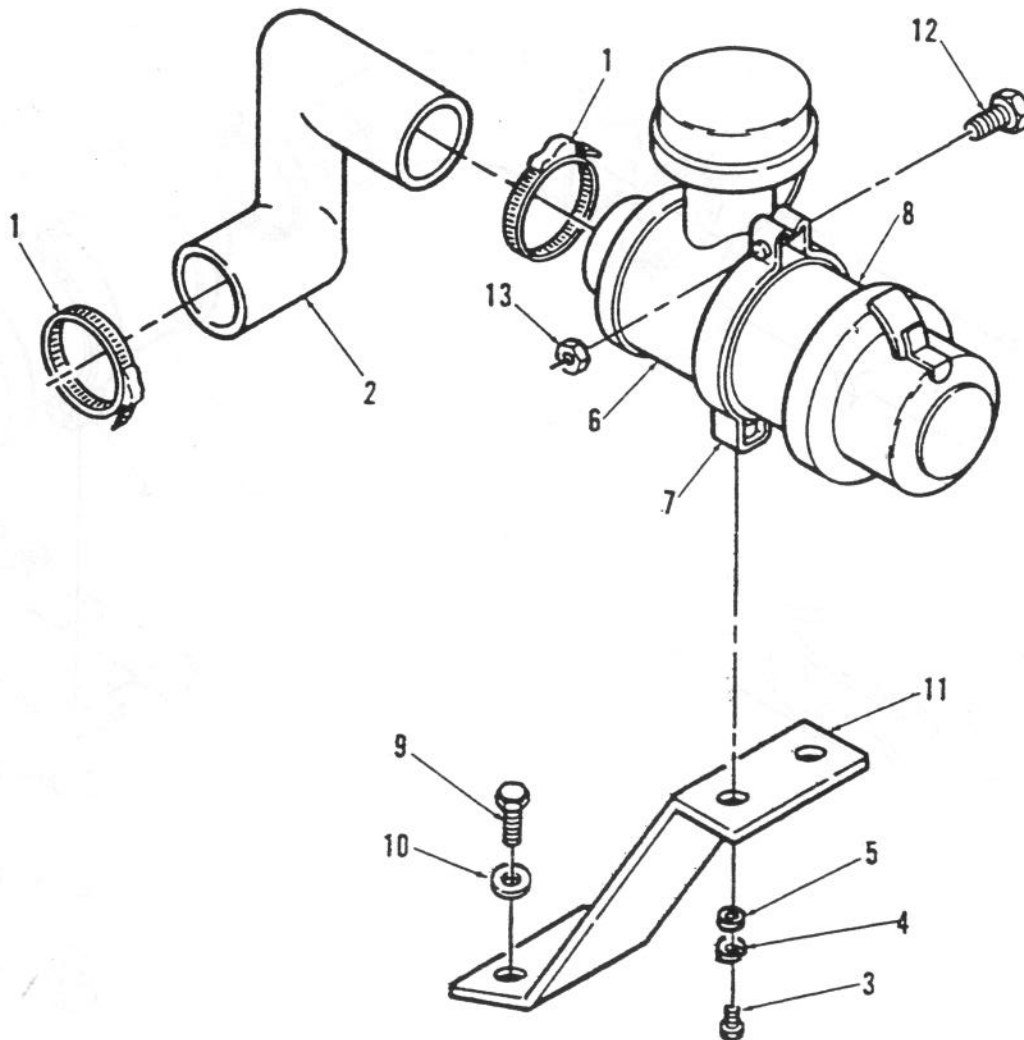
Air Cleaner (Spec A)



FS-1572

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0365	2	Clamp, Hose	8	526-0018	2	Washer, Flat (17/64" ID x 5/8" OD x 1/16" Thk)
2	503-1316	1	Hose, Elbow - Preformed	9	140-1902	1	Bracket, Mounting - Air Cleaner
3	800-2056	2	Screw, Cap - Hex Head (M8 x 1.25 x 16mm)	10	850-2008	2	Washer, Lock (M8)
4	185-2199	1	Band, Mounting - Air Cleaner	11	526-2100	2	Washer, Flat (M8)
5	185-2201	1	Cushion				
6	185-2206	1	Cleaner Assembly, Air (See Separate Page for Components)				
7	815-0315	2	Screw, Tapping - Hex Washer Head (1/4-20 x 1/2") or use -				
	821-0010	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2")				

Air Cleaner (Begin Spec B)

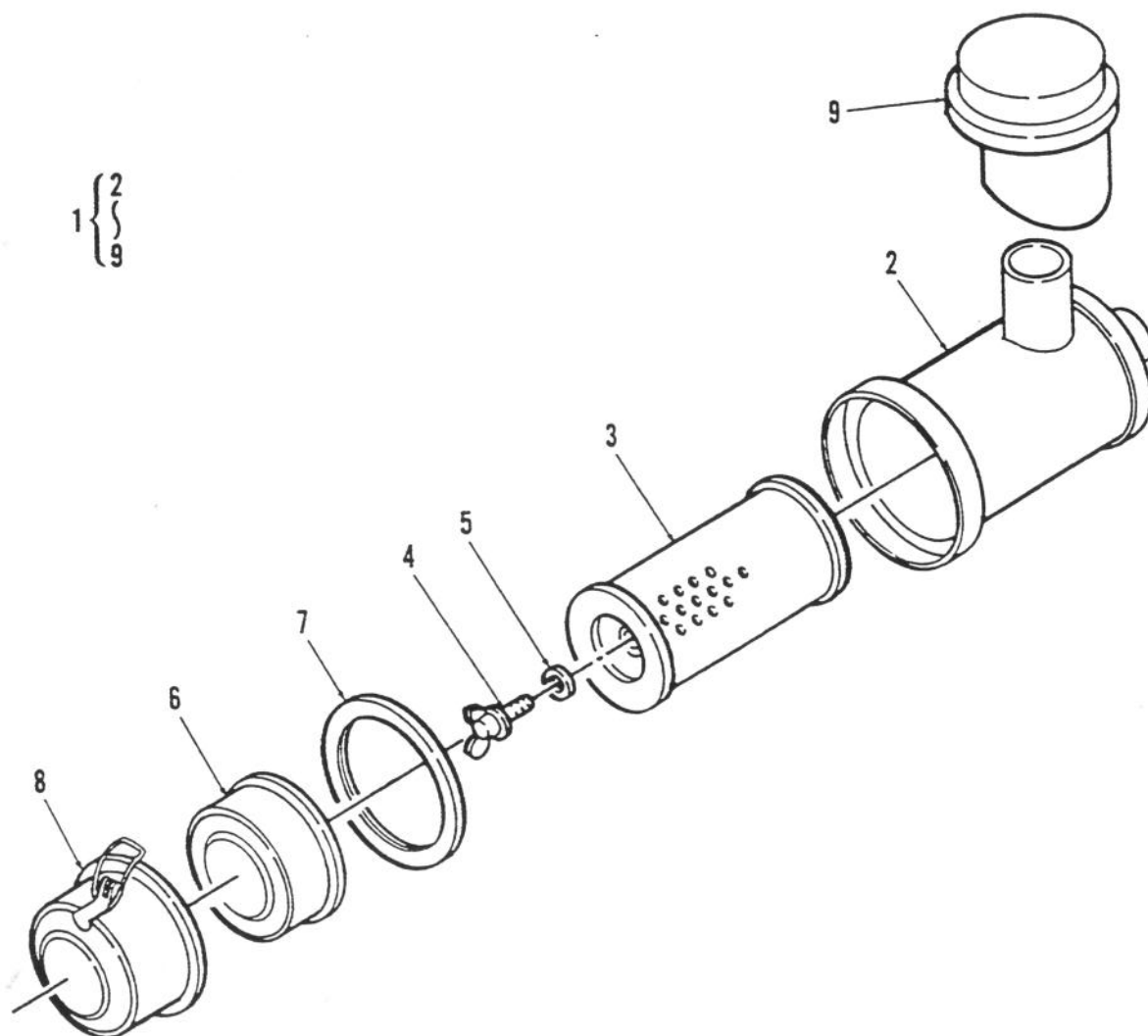


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0365	2	Clamp, Hose	8	185-2201	1	Cushion
2	503-1450	1	Hose, Cleaner - Air	9	815-0261	2	* Screw, Hex Head Cap - Self Tapping
3	800-2056	2	Screw, Hex Head Cap (M8 x 1-1/4 x 16)	10	526-0018	2	* Washer, Flat (1/4)
4	850-2008	2	Washer, Lock (M8)	11	140-2042	1	* Bracket, Mounting - Air Cleaner
5	526-2100	2	Washer, Flat (M8)	12	821-0012	1	Screw, Hex Head Self Lock (1/4-20 x 1-1/8)
6	185-2206	1	Cleaner, Air (See Separate Page for Components)	13	870-0212	1	Nut, Hex Head Self Lock (1/4-20)
7	185-2199	1	Band, Cleaner - Air				

→ use 503-1818 for specs 11304, 40216 and 54503.

* Parts not used on specs 11304, 40216, 54503.

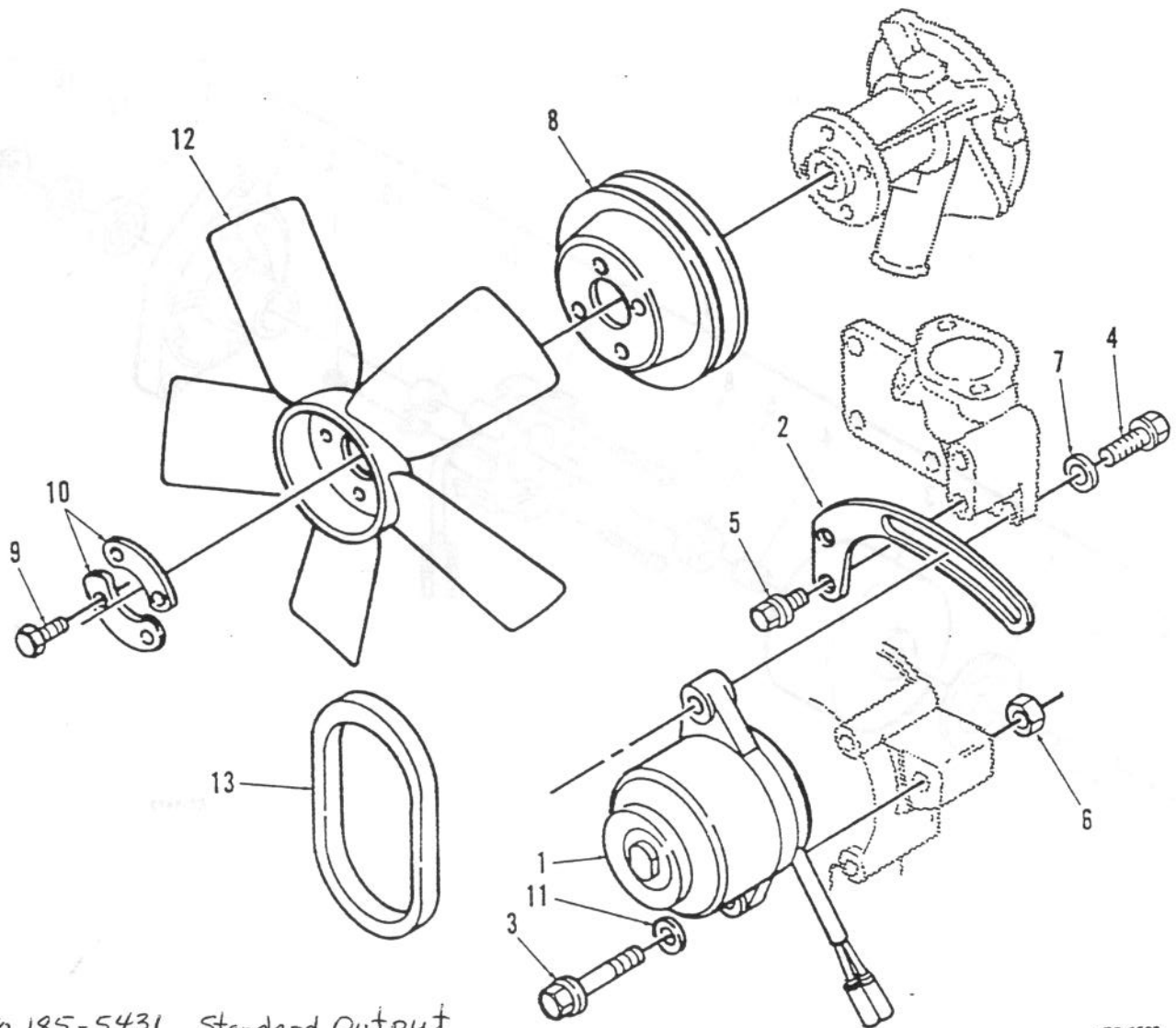
Air Cleaner - Components



FS-1575

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2206	1	Cleaner Assembly, Air	6	185-2091	1	Baffle
2	NFS		Housing, Air Cleaner	7	185-2089	1	Gasket
3	185-2090	1	Element, Filter - Air Cleaner	8	185-2121	1	Cover
4	185-2108	1	Bolt, Wing	9	185-2122	1	Hood, Air Inlet
5	185-2110	1	Gasket				

Alternator

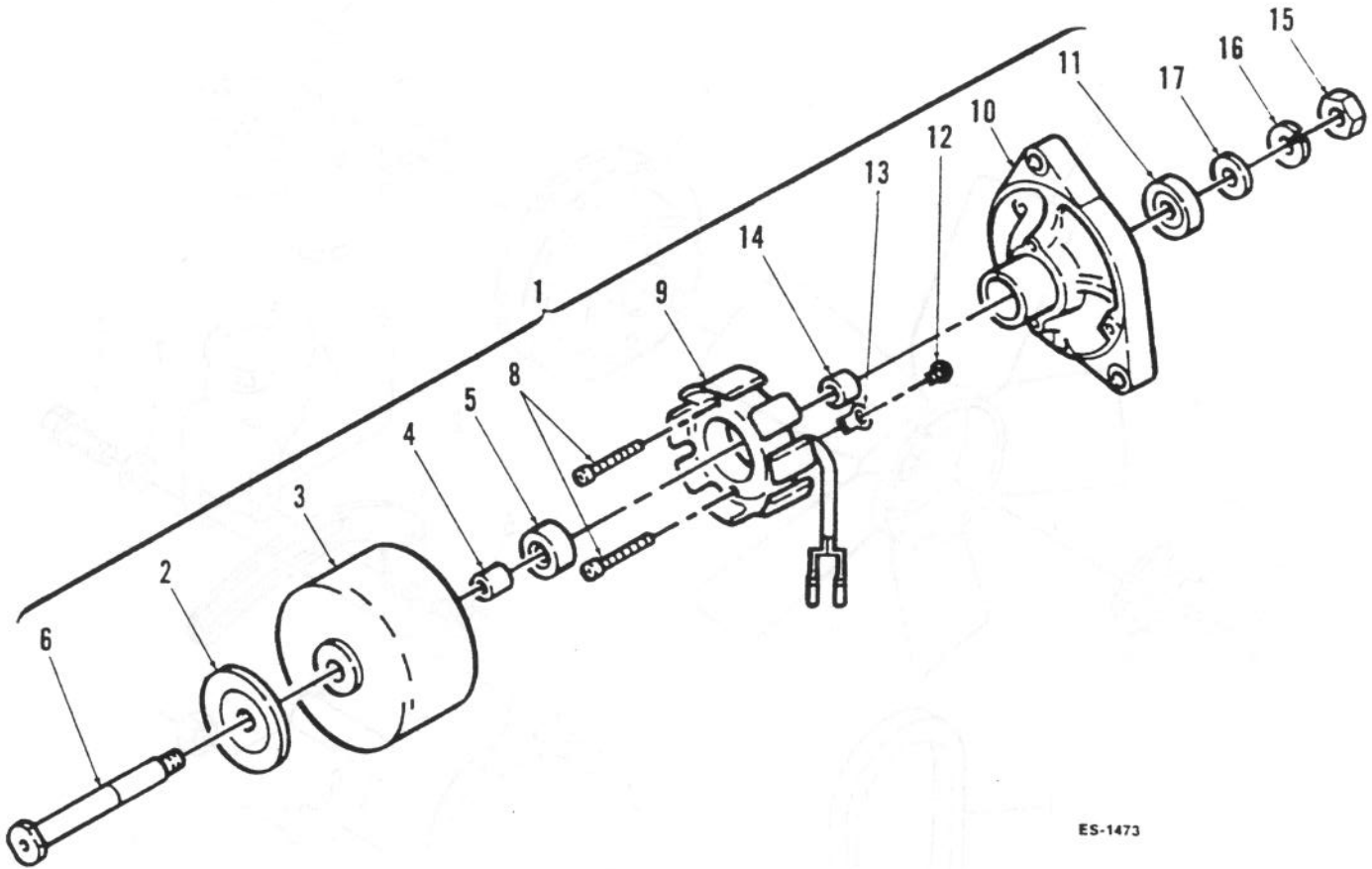


ES-1503

sps to 185-5431 Standard Output
 or use
 185-5441 Hi-Output

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2266	1	Alternator (12 VDC) (See Separate Page for Components)	8	185-2247	1	Pulley
2	185-2273	1	Bracket, Adjusting	9	718-1018	4	Screw, Cap - Hex Head (M6 x 10mm)
3	185-2405	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 60mm)	10	185-2346	2	Locking Plate - Bolt/Nut
4	185-2403	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 25mm)	11	185-2378	1	Washer, Flat (M8)
5	185-2388	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 16mm)	12	130-2475	1	Pusher (4 Blade) (Spec A-C)
6	750-1006	1	Nut, Hex (M8 x 1.25)		130-4159	1	Pusher (6 Blade) (Spec D)
7	185-2377	1	Washer, Flat (M8)		130-2725	1	Suction (Spec A-C)
					130-4121	1	Suction (Spec D)
				13	185-2275	1	Belt, Drive

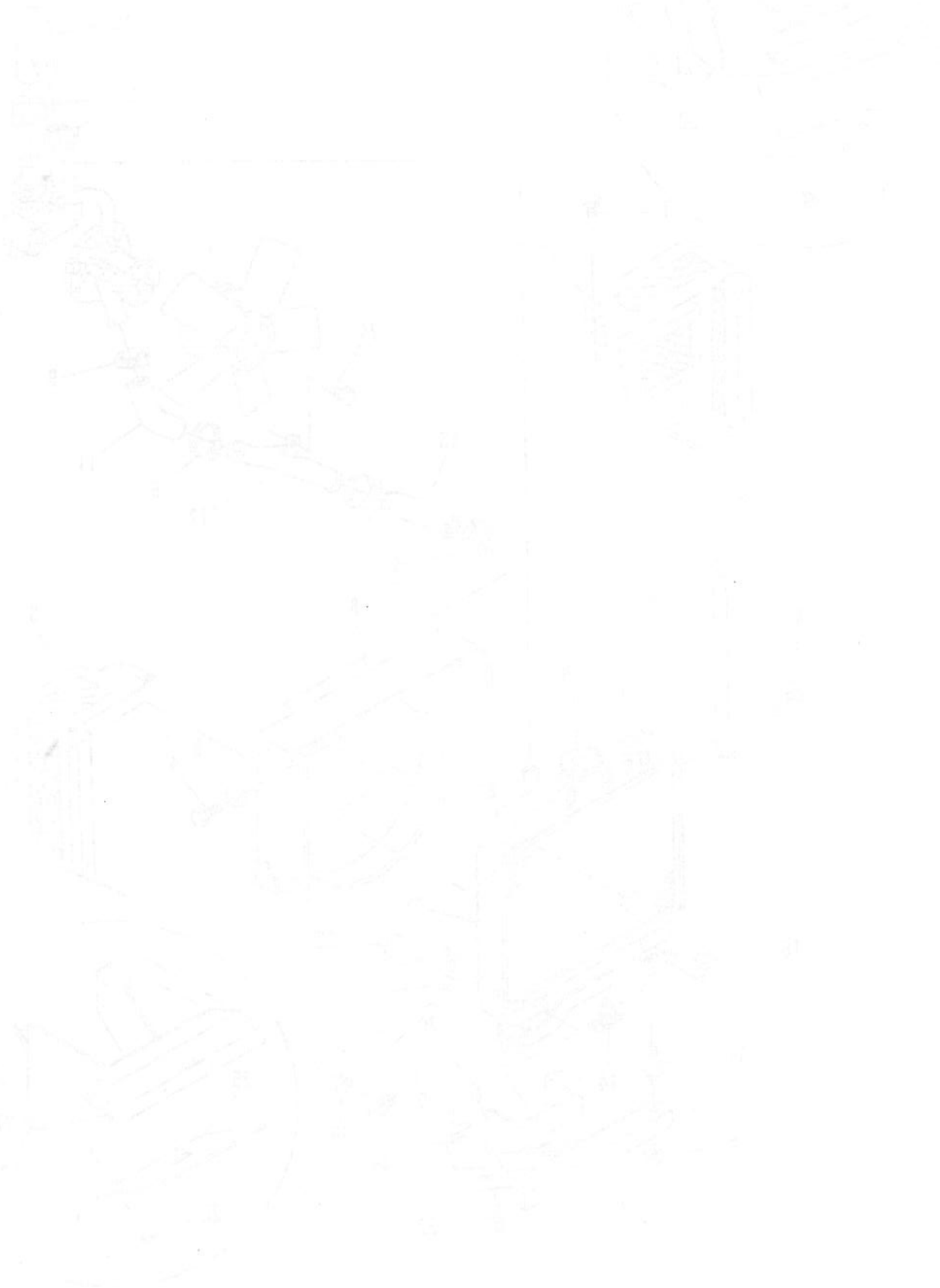
Alternator - Components



ES-1473

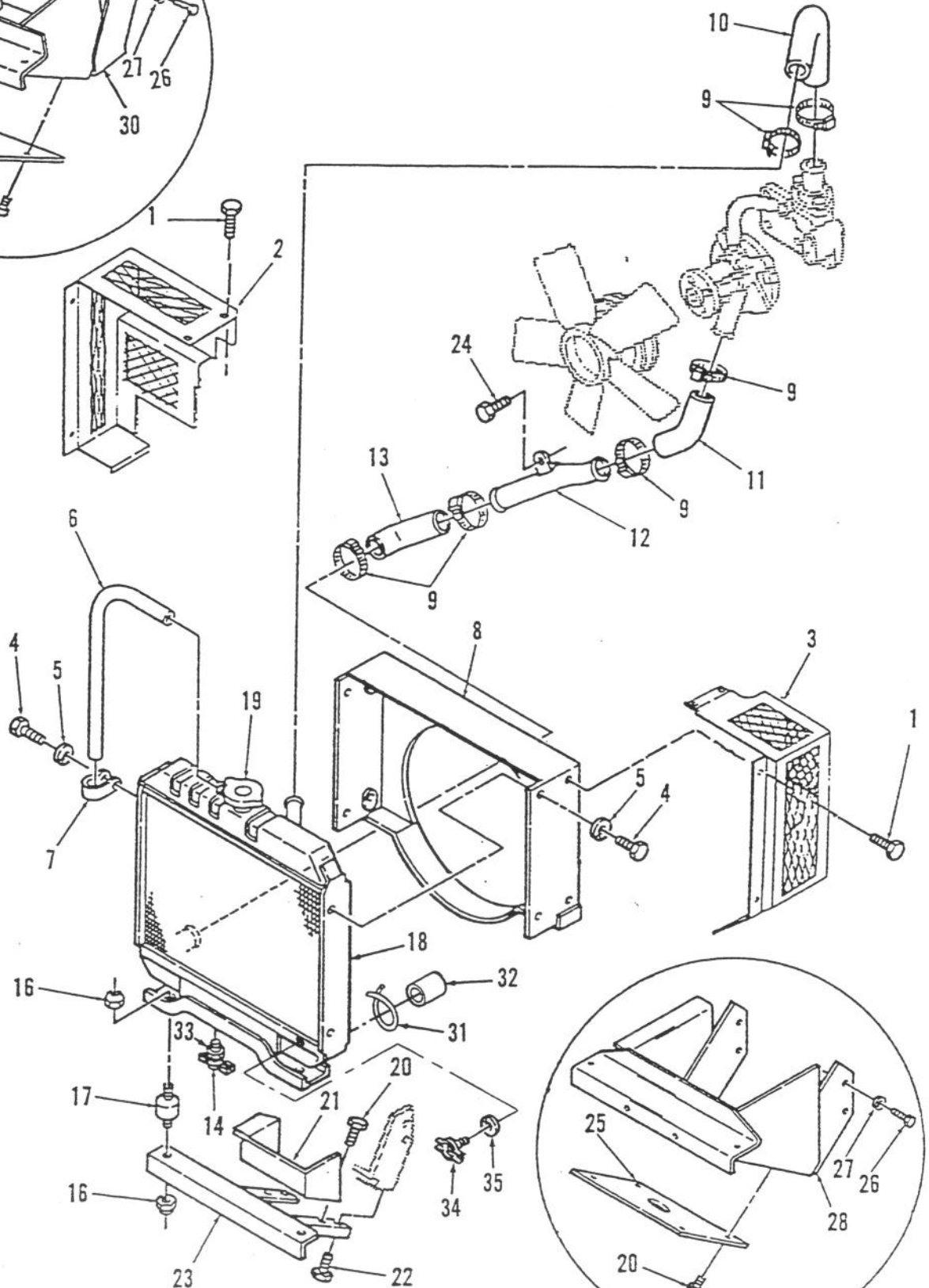
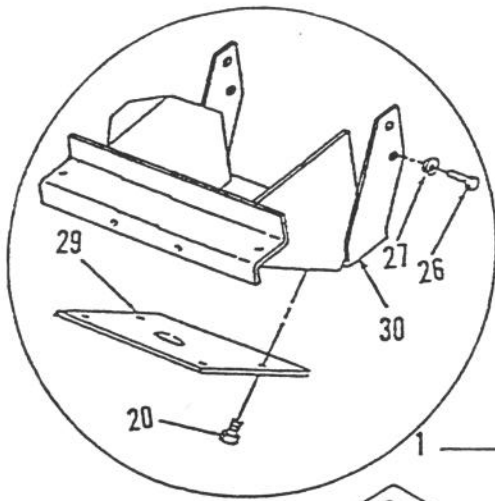
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2266	1	Alternator (12 VDC)
2	185-2269	1	Pulley
3	185-2267	1	Rotor
4	185-2270	1	Spacer, Sleeve
5	185-2246	1	Bearing, Ball
6	185-2245	1	Shaft, Rotor
8	185-2183	2	Screw, Machine - Round Head, Cross-Recessed Drive, with Lockwasher
9	185-2272	1	Stator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	185-2268	1	Housing, Alternator
11	185-2246	1	Bearing, Ball
12	185-2249	1	Screw, Machine - Round Head - Cross-Recessed Drive, with Lockwasher
13	185-2271	1	Clamp, Electrical Cord
14	185-2171	1	Spacer, Sleeve
15	185-2181	1	Nut, Hex
16	185-2186	1	Washer, Lock - Spring
17	185-2185	1	Washer, Flat



Cooling System (Spec A-C)

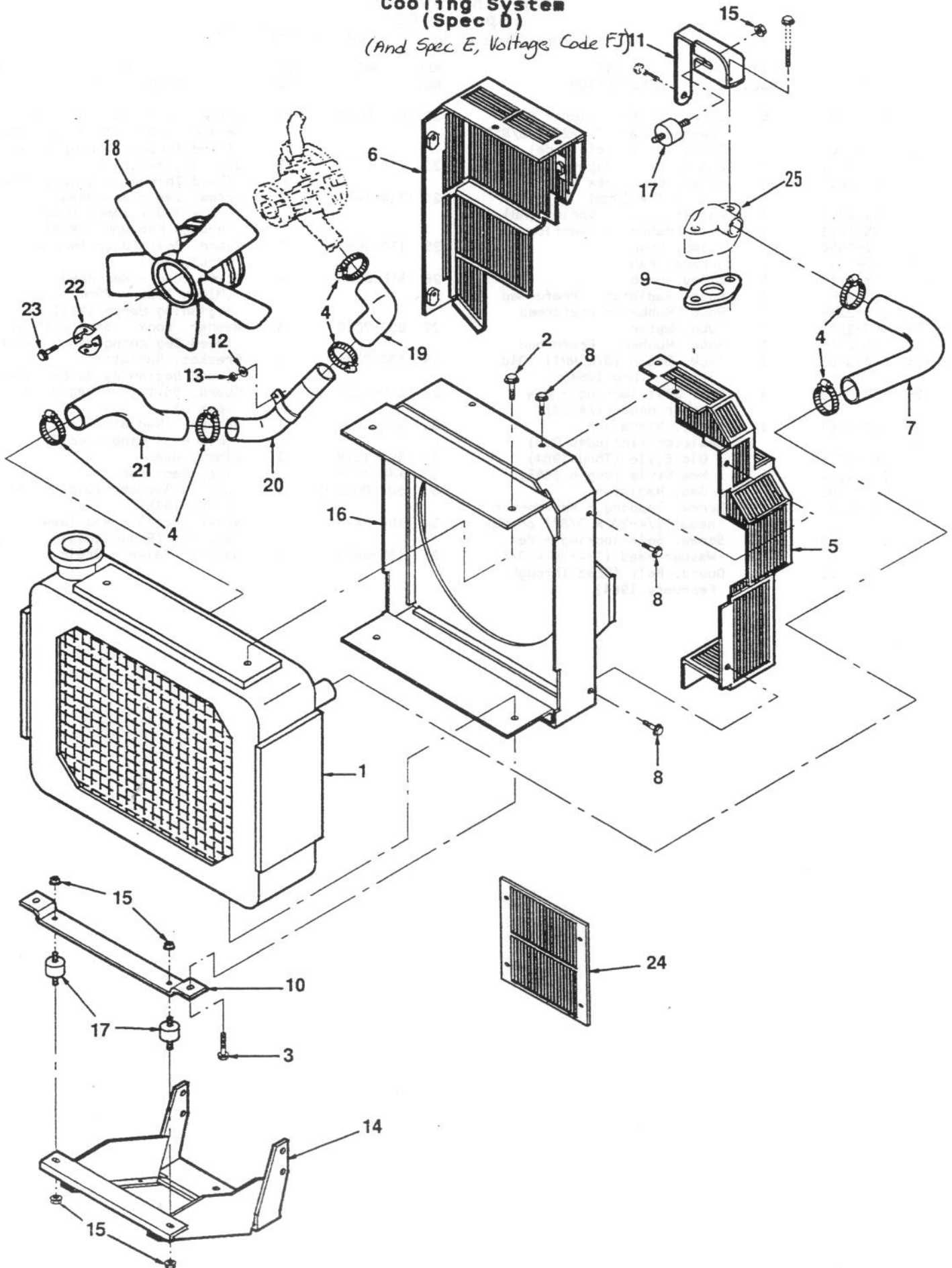
(And Spec E, Voltage Codes FB, FP, FZ)



Cooling System
(Spec A-C)
(And Spec E, Voltage Codes FB, FP, FZ)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0009	6	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/8")	22	821-0029	2	Screw, Self-locking - Hex Washer Head (3/8-16 x 3/4") (Used Through February 1984)
2	130-2506	1	Guard, Belt (Left Side)	23	130-2350	1	Bracket, Radiator (Used Through February 1984)
3	130-2511	1	Guard, Belt (Right Side)	24	718-1017	1	Screw, Cap - Hex Head (M6 x 1.0 x 10mm) (Used Through February 1984)
4	800-2027	4	Screw, Cap - Hex Head (M6 x 1 x 10mm)	25	130-2550	1	Guard, Belt (Used Through March 1984)
5	850-2006	4	Washer, Lock - Spring (M6)	26	815-0585	4	Screw, Cap - Hex Head (M10 x 1.25 x 20mm) (Used Beginning March 1984)
6	185-2421	1	Hose, Rubber - Overflow	27	850-2010	4	Washer, Lock - Spring (M10) (Used Beginning March 1984)
7	332-2650	1	Clamp, Loop	28	130-2549	1	Bracket, Radiator (Used Beginning March 1984)
8	130-2515	1	Shroud, Fan	29	130-3231	1	Guard, Belt (Use Beginning Spec C)
9	503-0189	6	Clamp, Hose	30	130-3230	1	Bracket, Radiator (Use Beginning Spec C)
10	185-2256	1	Hose, Radiator - Preformed	31	503-1319	1	Clamp, Hose
11	185-2278	1	Hose, Rubber - Preformed	32	185-2419	1	Plug, Radiator
12	185-2277	1	Tube, Water	33	502-0029-01	1	Bushing Reducer (Old Style) (Thru 1985)
13	185-2276	1	Hose, Rubber - Preformed	34	185-2476	1	Valve, Drain - Rad (New Style) (Begin 1985)
14	504-0005	1	Cock, Drain (3/8 NPT) (Old Style - Thru 1984)	35	185-5464	1	Gasket, Valve - Drain
16	870-0212	4	Nut, Self-locking - Hex Washer Head (1/4-20)				
17	402-0581	2	Mount, Vibration				
18			Radiator (Includes Cap)				
	185-2255	1	Old Style (Thru 1984)				
	185-2274	1	New Style (Begin 1985)				
19	185-2193	1	Cap, Radiator				
20	815-0389	4	Screw, Tapping - Hex Washer Head (1/4-20 x 3/8") or use -				
	821-0009	4	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/8")				
21	130-2501	1	Guard, Belt (Used Through February 1984)				

**Cooling System
(Spec D)**
(And Spec E, Voltage Code FJ)



**Cooling System
(Spec D)**
(And Spec E, Voltage Code FJ)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4123	1	Radiator
2	821-0028	2	Screw, Self-Locking - Hex Washer Head (3/8-16 UNC x 1/2")
3	800-2016	4	Screw, Self-Locking - Hex Washer Head (5/16-18 UNC x 3/4")
4	503-0189	6	Clamp, Hose
5	130-4170	1	Guard, Belt (Right Side)
6	130-4162	1	Guard, Belt (Left Side)
7	503-1861	1	Hose, Radiator - Upper
8	821-0009	3	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")
9	185-2238	1	*Gasket, Thermostat
10	130-4166	1	Support, Radiator
11	130-4173	1	Bracket, Mounting - Radiator
12	130-2922	1	*Washer, Water Pipe 2

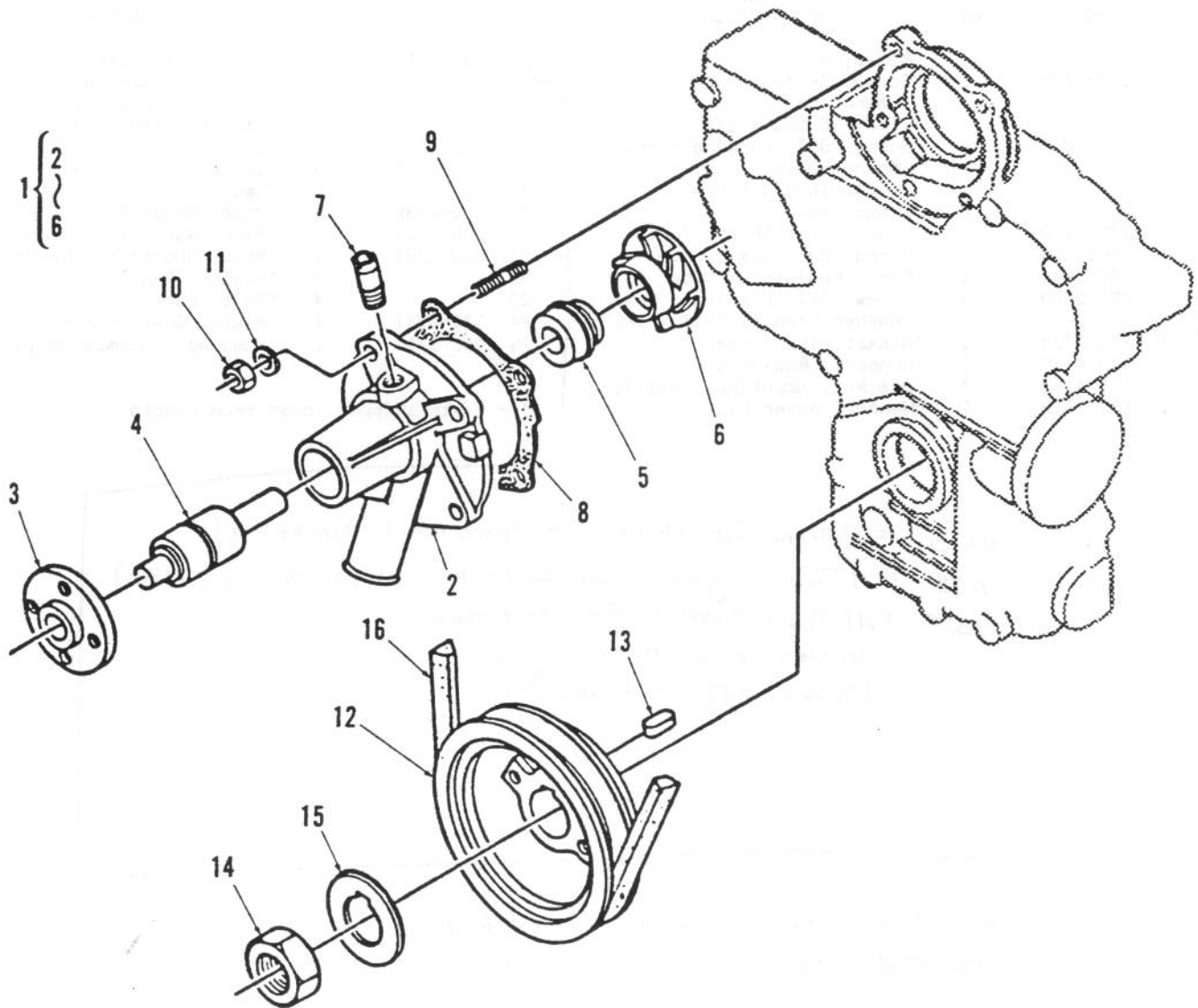
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	130-2920	1	*Nut, Water Pipe 2
14	130-4160	1	Bracket, Mounting - Radiator
15	870-0212	5	Nut, Self-Locking - Hex Washer Head (1/4-20)
16	130-4161	1	Shroud, Fan
17	402-0508	3	Isolator, Vibration
18		1	*Fan
19	130-2486	1	*Pipe, Water 3
20	130-2485	1	*Pipe, Water 2
21	503-1862	1	Hose, Radiator - Lower
22		2	*Washer, Fan
23		4	*Bolt, Fan
24	130-4147	1	Plate, Guard - Fan
25	185-2312	1	Housing, Thermostat (90°)

* - Parts shipped loose from Kubota.

→ 130-4123 Fill Tube Points Up. (All Specs not listed below)
 130-4158 Fill Tube Angles Out (Specs 11303, 11310, 56905, 58833)
 130-4305 Fill Tube Comes Forward then angles in, or to the right.
 (Specs 11343, 11369, 66044)

↓
 130-4160 Used on all specs not listed below.
 130-4445 Used on specs 11343, 11344, 11440, 11455

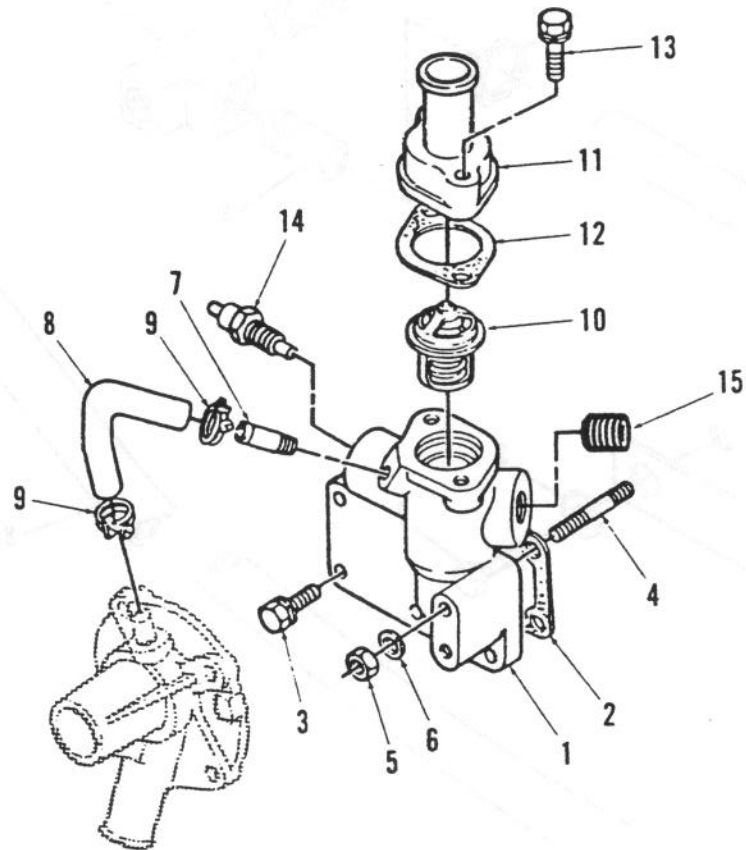
Water Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2236	1	Pump, Water
2	NFS		Housing, Pump
3	185-2243	1	Flange, Pump Shaft
4	185-2244	1	Shaft with Bearing
5	185-2237	1	Seal
6	185-2242	1	Impeller
7	185-2239	1	Adapter, Hose
8	185-2241	1	Gasket

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	185-2363	4	Stud
10	750-1004	4	Nut, Hex (M6 x 1)
11	185-2380	4	Washer, Lock - Spring (M6)
12	185-2251	1	Pulley
13	185-2353	1	Key
14	185-2088	1	Nut, Hex
15	185-2207	1	Washer, Flat - Keyed
16	185-2275	1	Belt, Drive

Cooling System - Thermostat & Housing

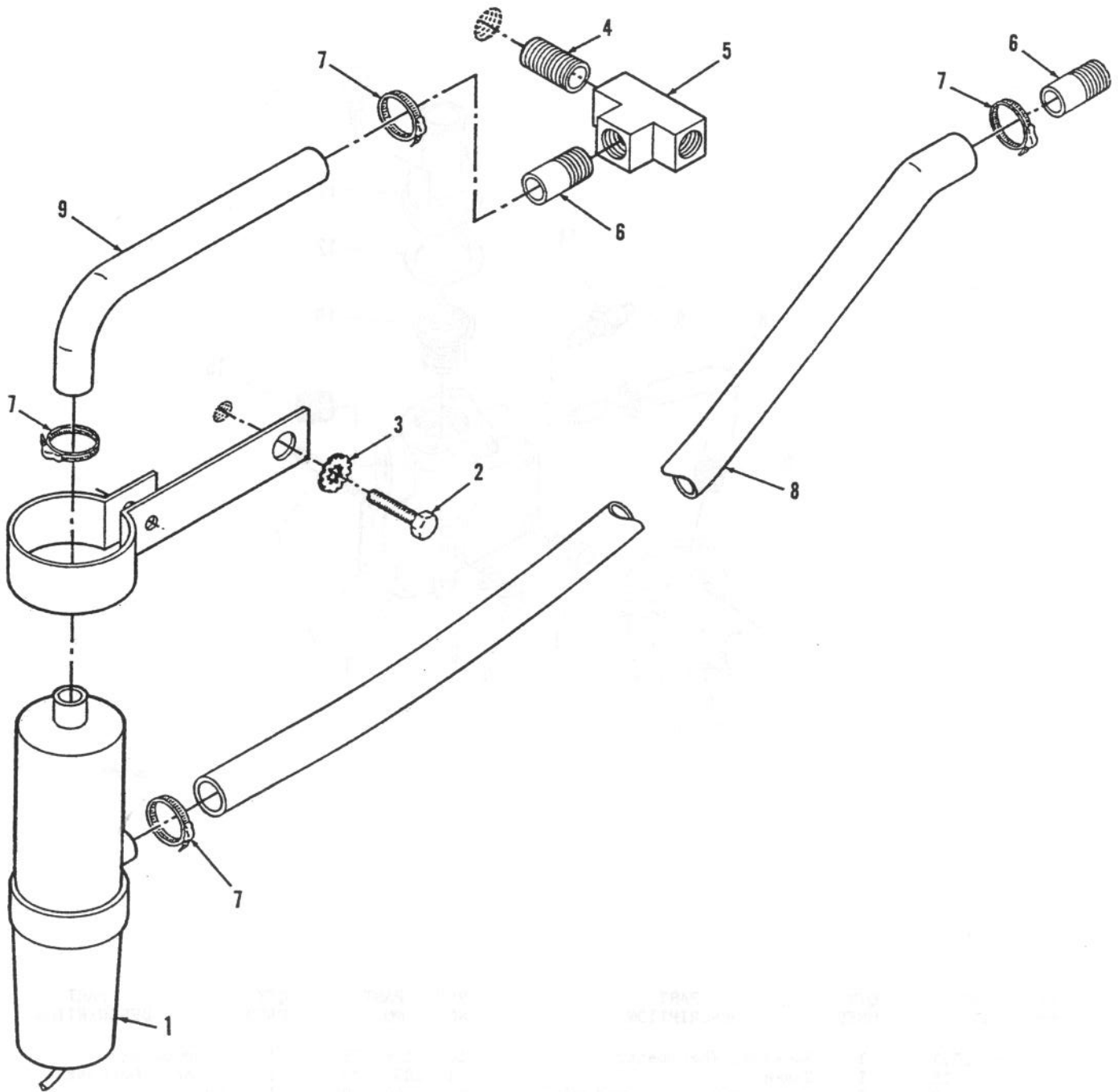


CS-1259

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2311	1	Housing, Thermostat
2	185-2175	1	Gasket
3	185-2388	5	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 16mm)
4	185-2360	1	Stud
5	750-1004	1	Nut, Hex (M6 x 1)
6	185-2380	1	Washer, Lock - Spring (M6)
7	185-2239	1	Adapter, Hose
8	185-2300	1	Hose, Rubber - Preformed
9	185-2240	2	Clamp, Hose

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	185-2235	1	Thermostat
11	185-2423	1	Cover, Thermostat
12	185-2238	1	Gasket
13	185-2393	2	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 35mm)
14	309-0513	1	Switch, Thermostatic - High Engine Temperature Shutdown (S2)
15	505-0266	1	Plug, Pipe - Square Socket Drive

Engine Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0406-01	1	Heater, Engine (Mod)
2	815-0586	1	Screw, Cap - Hex Head (M10 x 1-1/4 x 16)
3	856-0010	1	Washer, Lock - EIT (M10)
4	505-0306	1	Nipple, Pipe

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	505-0060	1	Tee, Pipe
6	505-0135	2	Nipple, Pipe - Half
7	503-0183	4	Clamp, Hose (#10)
8	503-0712	1	Hose, Heater (28\" Lg)
9	503-0261	1	Hose, Water (8.5\" Lg)

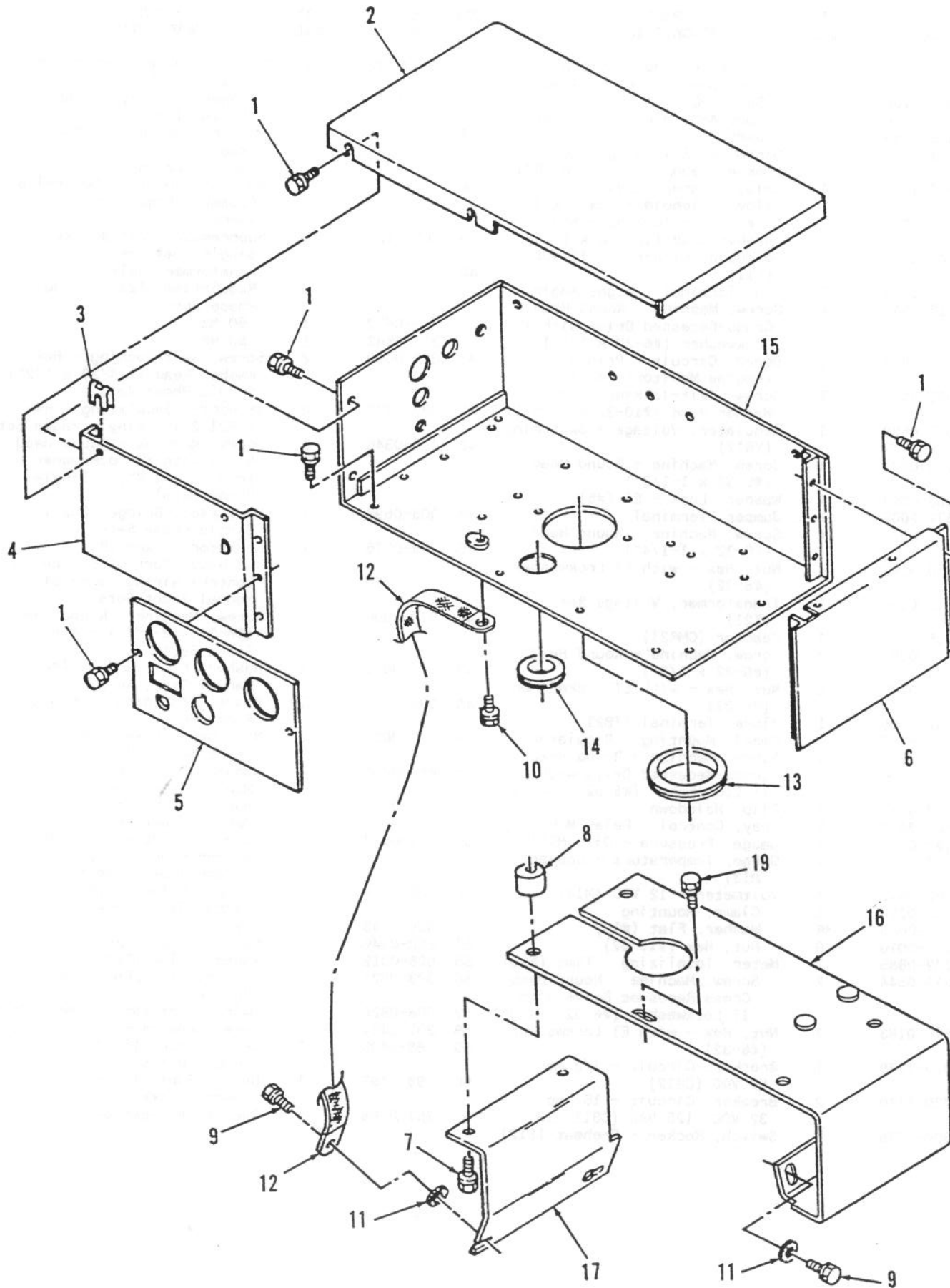
Control



Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring - Control (Includes K13, K14 Relays)	35	308-0739	1	Switch, Rocker - Start/Stop (S11)
	338-1760	1	Spec A-C	36	320-1121	1	Breaker, Circuit - 3 Amp, 250 VAC (CB21)
	338-1920-01	1	Spec A-C (Mobile Applications)	37			Panels (See Control Box Assembly Figure for Identification)
	338-2856	1	Spec D	38			Box, Control (See Control Box Assembly Figure for Identification)
2	821-0004	2	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")	39	305-0703	1	Suppressor, Voltage (RV21) - Single Phase Sets
3	307-1886	1	Relay, Heater (12V) (K13)	40			Transformer, Voltage Regulating (T21) - Single Phase Sets
4	307-1886	1	Relay, Solenoid - Fuel (K14)		315-0572	1	60 Hz
8	821-0003	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2")		315-0583	1	50 Hz
9	307-1617	1	Solenoid, Electric - 12 VDC (K11)	41	821-0003	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2") - Single Phase Sets
10	332-1564	2	Lug, Terminal - Right Angle	42	332-2370	2	Standoff, Insulating - Hex (TB21,22) - Single Phase Sets
11	815-0544	4	Screw, Machine - Round Head Cross-Recessed Drive with IT Lockwasher (#6-32 x 1/2")	43	815-0346	1	Screw, Machine - Round Head Brass with IT Lockwasher (#10-32 x 4/8") - Single Phase Sets
12	300-2604	1	Board, Circuit - Printer (Engine Monitor) (A11)	44	305-0696	1	Rectifier, Bridge (CR21) - Single Phase Sets
13	821-0004	7	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")	45	304-0776	1	Resistor, Fixed (R1) 5 Ohm 10 Watt (Part of Engine to Control Wiring Harness) - Manual Start Sets
15	305-0688	1	Regulator, Voltage - Switching (VR12)	46	812-0090	1	Screw, Machine - Round Head (#8-32 x 2-1/4") - Manual Start Sets
	812-0071	4	Screw, Machine - Round Head (#6-32 x 1-1/2")	47	508-0015	2	Washer, Flat - Fiber (#8) - Manual Start Sets
	853-0003	4	Washer, Lock - ET (#6)	48	304-0580	1	Plate, Insulating - Manual Start Sets
16	332-2605	1	Jumper, Terminal	49	871-0016	3	Nut, Hex - Brass - Manual Start Sets (1/4-20)
17	812-0070	4	Screw, Machine - Round Head (#6-32 x 1-1/4")	50	856-0006	2	Washer, Lock - EIT (1/4) - Manual Start Sets
18	870-0183	4	Nut, Hex - with ET Lockwasher (#6-32)	51	526-0052	4	Washer, Flat - Brass (1/4") - Manual Start Sets
19	315-0386	1	Transformer, Voltage Ref (T21)	52	821-0012	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1-1/8") - Manual Start Sets
20	315-0391	1	Reactor (CMR21)	53	308-0779	1	Switch, Selector (S11) - Manual Start Sets
21	812-0063	2	Screw, Machine - Round Head (#6-32 x 1/2")		308-0843	1	Key
22	870-0183	2	Nut, Hex - with ET Lockwasher (#6-32)	54	850-0040	3	Washer, Lock (1/4)
23	332-1655	1	Block, Terminal (TB21)	55	526-0018	3	Washer, Flat (1/4)
24	301-3719	1	Panel, Mounting - Regulator	56	308-0827	1	Switch, Start/Run/Stop - Remote Units
25	815-0544	1	Screw, Machine - Round Head Cross-Recessed Drive with IT Lockwasher (#6-32 x 1/2")	57	308-0826	1	Switch, Preheat - Remote Units
26	518-0437	1	Clip, Holddown	58	301-9484	1	Panel, Remote - Remote Units
27	301-8454	1	Tray, Control - Relay Mounting	59	98-5496	1	Decal, Panel (Front) - Remote Units
28	193-0352	1	Gauge, Pressure - Oil (M12)	60	98-5497	1	Decal, Panel (Rear) - Remote Units
29	193-0351	1	Gauge, Temperature - Coolant (M13)	61	357-0088	1	Rectifier (Spec D)
30	302-1641	1	Voltmeter - 12 VDC (M14)				
	302-0270	1	Clamp, Mounting				
	526-0049	36	Washer, Flat (#10)				
	871-0010	6	Nut, Hex (#10-32)				
31	302-0885	1	Meter, Totalizing - Time (M11)				
	815-0544	2	Screw, Machine - Round Head Cross-Recessed Drive with IT Lockwasher (#6-32 x 1/2")				
	870-0183	2	Nut, Hex - with ET Lockwasher (#6-32)				
32	320-1139	1	Breaker, Circuit - 1/2 Amp, 50 VDC (CB12)				
33	320-1140	2	Breaker, Circuit - 15 Amp, 32 VDC, 125 VAC (CB11, 13)				
34	308-0778	1	Switch, Rocker - Preheat (S12)				

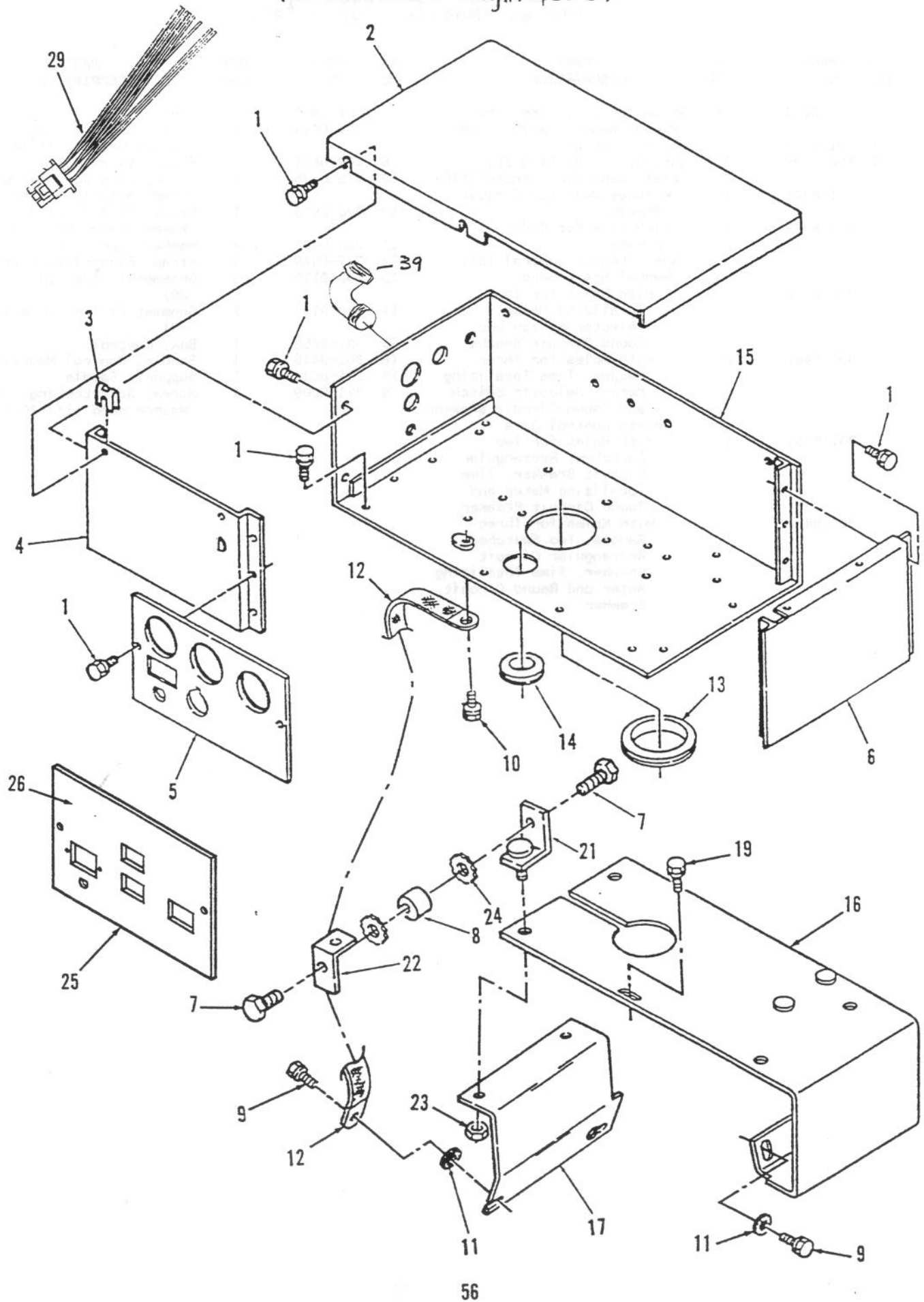
Control Box Assembly
(RV and Mobile - Spec "A")



**Control Box Assembly
(RV and Mobile - Spec "A")**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0018	16	Screw, Self-locking - Hex Washer Head (1/4-20 x 5/8")	6	301-8450	1	Panel, End
2	301-8447	1	Cover, Control	7	821-0014	4	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
3	870-0398	6	Nut, Retaining (#10-32)	8	402-0527	4	Mount, Vibration
4	301-8445	1	Panel, Generator Control (AC) Without Hole for Circuit Breaker	9	815-0236	4	Screw, Tapping - Hex Washer Head (5/16-18 x 5/8") or use
	301-8569	1	With Hole for Circuit Breaker	10	800-0025	1	Screw, Self-locking - Hex Washer Head (5/16-18 x 5/8")
5			Panel, Engine Control (DC) Manual Start Sets	11	856-0008	4	Washer, Lock - EIT (5/16")
	301-8448	1	With Holes for Time Totalizing Meter, Selector Switch and Round Circuit Breaker	12	337-0049	1	Strap, Electrical - Ground
	301-8449	2	With Holes for Three Gauges, Time Totalizing Meter, Selector Switch and Round Circuit Breaker	13	508-0115	2	Grommet (2-1/8" ID x 2-7/8" OD)
	301-8451	1	Remote Control Sets With Holes for Two Switches, Rectangular Circuit Breaker, Time Totalizing Meter and Round Circuit Breaker	14	508-0117	1	Grommet (1-1/8" ID x 1-3/8" OD)
	301-8452	1	With Holes for Three Gauges, Two Switches, Rectangular Circuit Breaker, Time Totalizing Meter and Round Circuit Breaker	15	301-8453	1	Box, Control
				16	301-8446	1	Saddle, Control Mounting
				17	301-8634	1	Support, Saddle
				19	821-0009	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")

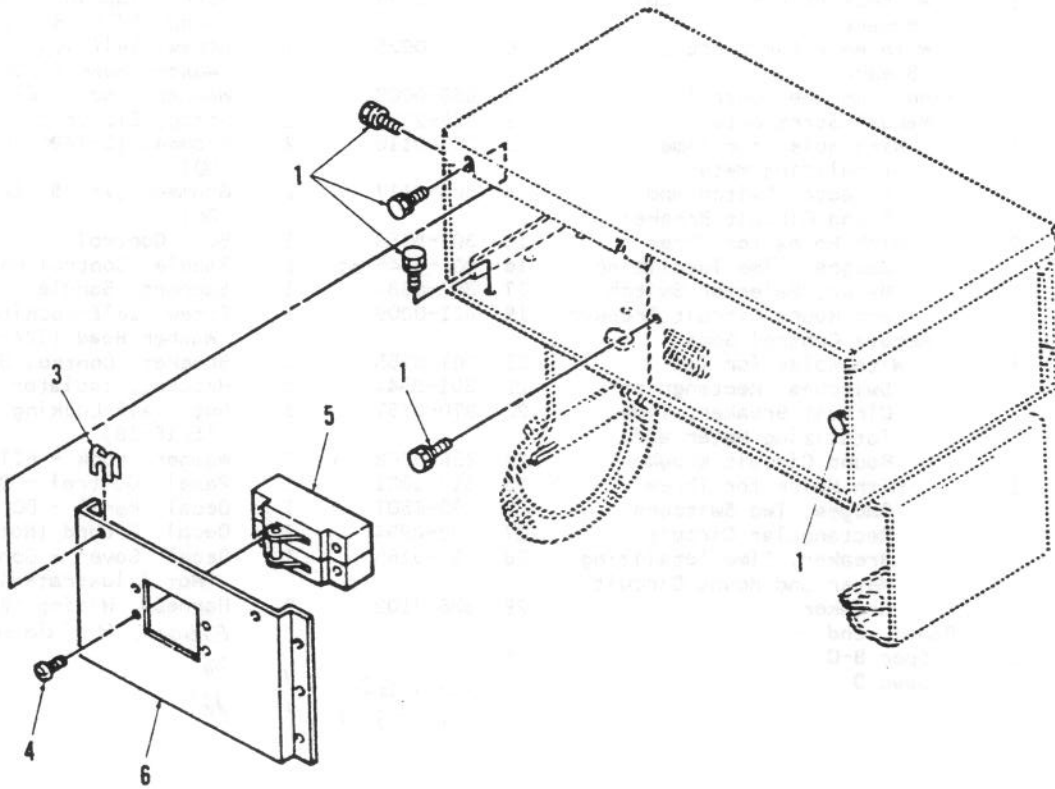
Control Box Assembly
(RV and Aux - Begin Spec B)



Control Box Assembly (RV and Aux - Begin Spec B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0018	16	Screw, Self-locking - Hex Washer Head (1/4-20 x 5/8")	7	821-0014	8	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
2	301-8447	1	Cover, Control	8			Mount, Vibration
3	870-0398	6	Nut, Retaining (#10-32)		402-0078	4	Spec B-C
4			Panel, Generator Control (AC)		402-0527	4	Spec D
	301-8445	1	Without Hole for Circuit Breaker	9	815-0236	4	Screw, Tapping - Hex Washer Head (5/16-18 x 5/8") or use
	301-8569	1	With Hole for Circuit Breaker	10	821-0025	1	Screw, Self-locking - Hex Washer Head (5/16-18 x 5/8")
5			Panel, Engine Control (DC)	11	856-0008	4	Washer, Lock - EIT (5/16")
			Manual Start Sets	12	337-2312	1	Strap, Electrical - Ground
	301-8448	1	With Holes for Time Totalizing Meter, Selector Switch and Round Circuit Breaker	13	508-0115	2	Grommet (2-1/8" ID x 2-7/8" OD)
	301-8449	2	With Holes for Three Gauges, Time Totalizing Meter, Selector Switch and Round Circuit Breaker	14	508-0117	1	Grommet (1-1/8" ID x 1-3/8" OD)
			Remote Control Sets	15	301-8453	1	Box, Control
	301-8451	1	With Holes for Two Switches, Rectangular Circuit Breaker, Time Totalizing Meter and Round Circuit Breaker	16	301-8446-02	1	Saddle, Control Mounting
				17	301-8634	1	Support, Saddle
	301-8452	1	With Holes for Three Gauges, Two Switches, Rectangular Circuit Breaker, Time Totalizing Meter and Round Circuit Breaker	19	821-0009	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")
6			Panel, End	21	301-8955	4	Bracket, Control Box
	301-8450	1	Spec B-C	22	301-9544	4	Bracket, Isolator Mounting
	319-0201	1	Spec D	23	870-0257	8	Nut, Self-Locking (Flange) (5/16-18)
				24	856-0008	8	Washer, Lock - EIT (5/16)
				25	319-1681	1	Panel, Control - DC (Spec D)
				26	98-6607	1	Decal, Panel - DC (Spec D)
				27	98-0994	1	Decal, Ground (Not Illustrated)
				28	98-5165	1	Decal, Cover - Control Box (Not Illustrated) (Spec D)
				29	338-2102	2	Harness, Wiring (6")
				30			Elbow, 90° Conduit
					331-0535	1	3/4"
					331-0521	1	1/2"

Circuit Breaker

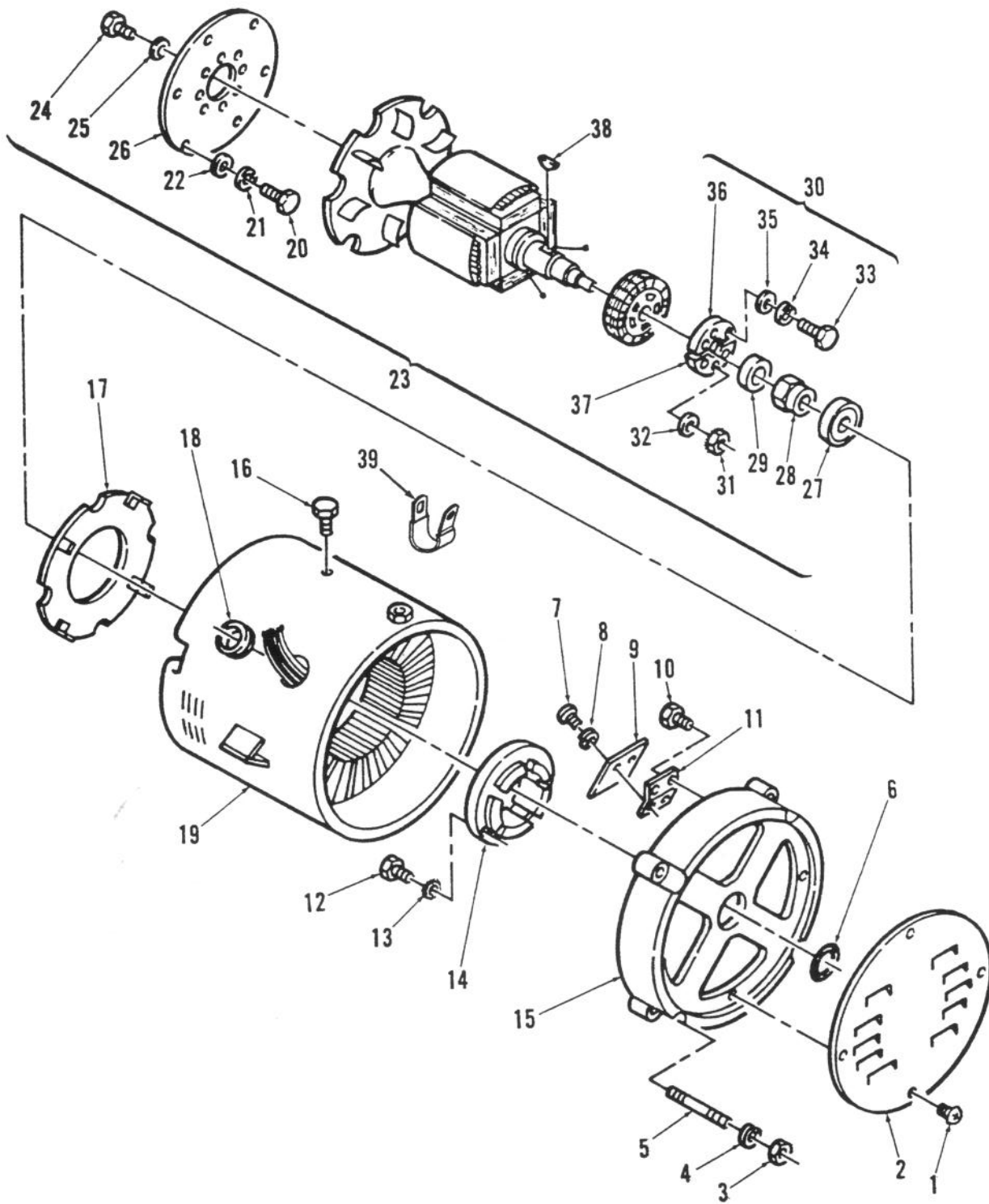


ES-1509

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0005	11	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2")	6	301-9446	1	Panel, Breaker - Circuit 2 Pole Breaker Hole
3	870-0398	6	Nut, Retaining (#10-32)		301-9218	1	3 Pole Breaker Hole
4	812-0063	AR	Screw, Machine - Round Head (#6-32 x 1/2")	7	517-0015	AR	Plug, Hole
5			Breaker, Circuit 2 Pole				
	320-1412	1	30 Amp				
	320-1246	1	35 Amp				
			3 Pole				
	320-1390	1	24 Amp				
	320-1391	1	27 Amp				
	320-1327	1	35 Amp				



Generator Assembly



Generator Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	813-0100	4	Screw, Machine - Round Head (#10-32 x 1/2")	20	718-1036	6	Screw, Cap - Hex Head (M8 x 1.25 x 20mm)
2	234-0767	1	Cover, End Bell	21	850-2008	6	Washer, Lock - Spring (M8)
3	862-0011	4	Nut, Hex (3/8-16)	22	526-0115	6	Washer, Flat (11/32" ID x 11/16" OD x 1/16" THK)
4	850-0050	4	Washer, Lock - Spring (3/8") Stud	23			Rotor Assembly, Gen (Includes Parts Marked *) (Spec A, B)
5	520-0935	4	(3/8-16 UNC x 13" LG)		201-3131	1	6.0 thru 8.0 kW, Code 18 (Extended Stack)
	520-0936	4	(3/8-16 UNC x 13-3/4" LG)		201-3130	1	6.0 thru 8.0 kW, Codes 3C, 53C, 18.518
	520-0937	4	(3/8-16 UNC x 14-5/16" LG)				
6	509-0094	1	O-Ring	24	800-0519	6	*Bolt, Hex - Slotted - Grade 8 (3/8-16 x 3/4")
7	813-0098	2	Screw, Machine - Round Head (#10-32 x 3/8")	25	526-0390	6	*Washer, Flat (3/8")
8	856-0003	2	Washer, Lock - EIT (#10)	26	232-2826	1	*Disk, Drive
9	232-2418	1	Terminal Board	27	510-0112	1	*Bearing, Ball
10	815-0194	2	Screw, Tapping - Hex Head W/ET Lockwasher (#10-32 x 3/8")	28	870-0284	1	*Nut, Self-locking - Hex (1-1/8-12)
11	232-3038	1	Bracket, Mounting - Terminal Board	29	232-3017	1	*Spacer, Sleeve
12	800-0009	2	Screw, Cap - Hex Head (1/4-20 x 1-1/2")	30			Rotor Assembly, Exciter (Includes Parts Marked *)
13	853-0013	2	Washer, Lock - ET (1/4")		201-2151	1	* Standard
14			Stator, Exciter		201-2299	1	Environmental Protected
	220-2009	1	Standard	31	870-0131	6	**Nut, Self-locking - Hex with ET Lockwasher (#10-32)
	220-2308	1	Environmental Protected	32	526-0008	6	**Washer, Flat (#10)
15	211-0370	1	End Bell	33	813-0100	4	**Screw, Machine - Round Head (#10-32 x 1/2")
16	821-0015	4	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/4")	34	853-0008	4	**Washer, Lock - ET (#10)
17	234-0766	1	Baffle, Air	35	526-0008	4	**Washer, Flat (#10)
18	508-0183	1	Grommet (1-1/2" ID x 2-1/8" OD)	36	358-0069	1	**Rectifier Assembly, Positive
19			Stator, Generator (Spec A, B)	37	358-0070	1	**Rectifier Assembly, Negative
	220-3912	1	6-6.5 kW, Code 53C (Standard)	38	515-0094	1	*Key, Woodruff (#6)
	220-4023	1	6-6.5 kW, Code 53C (Environmental Protected)	39	332-2650	1	Clamp, Loop (Insulated) (Spec D)
	220-3929	1	6-6.5 kW, Code 518				
	220-3904	1	7.5-8 kW, Code 3C (Standard)				
	220-4015	1	7.5-8 kW, Code 3C (Environmental Protected)				
	220-3921	1	7.5-8 kW, Code 18				
	220-3922	1	7.5-8 kW, Code 18 (Extended Stack)				

* - Parts Included in Rotor Assembly.

+ - Parts Included in Exciter Rotor Assembly.

15 Endbell

use 211-0439 for specs 11456 and 57380
use 211-0370 for all others

17 Air Baffle

use 234-0967 for specs 11343, 11344, 11440, 11455
use 234-0766 for all others

19 Generator Stator

use above info for Spec A, B

use the following beginning Spec C:

220-4487 Spec 11343, 11344, 11440, 11455

220-3921 Spec 23006, 23007

220-3912 Spec 29174 (volt code FP)

220-3929 Spec 29174 (volt code FZ) + Spec 34226

220-3904 Use on all other specs not listed above

23 Generator Rotor Assy (includes parts marked *)

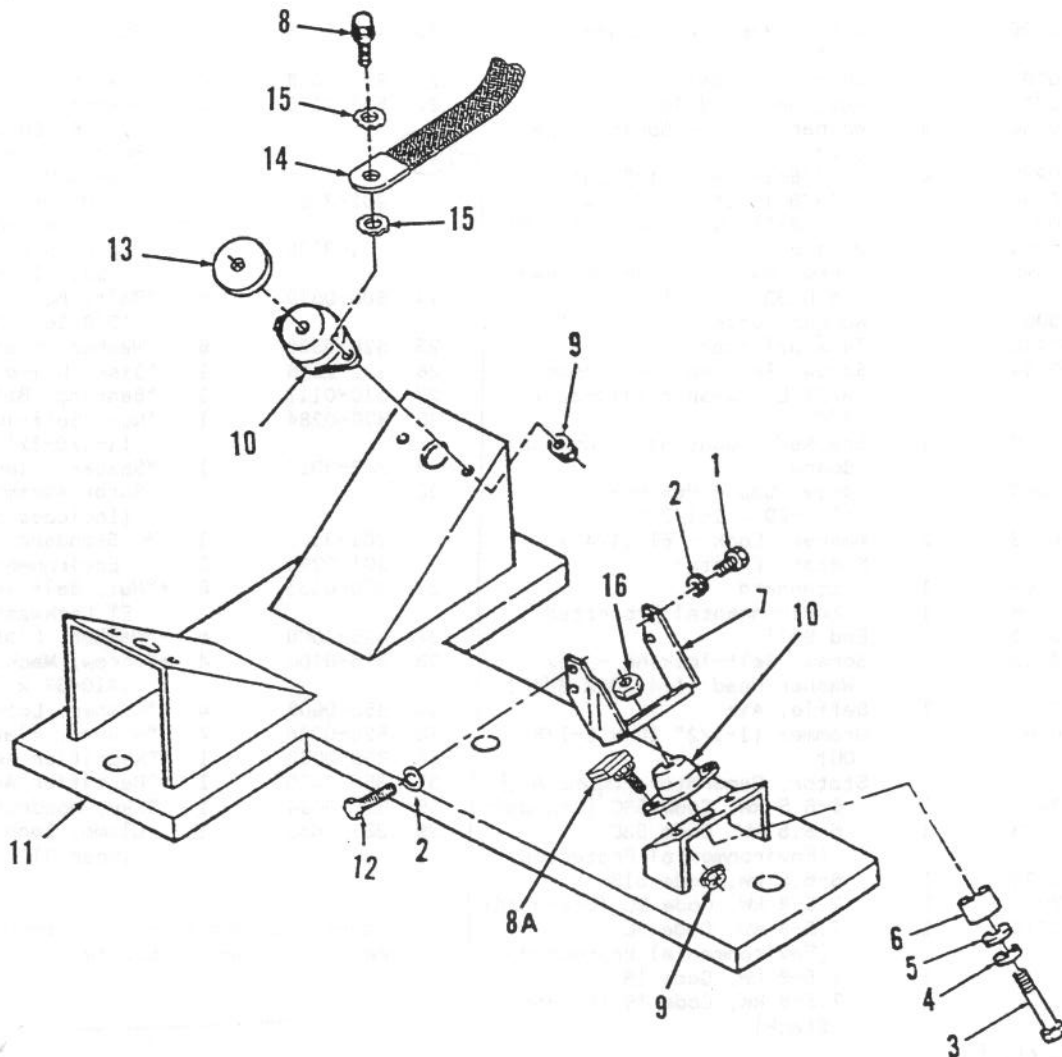
use above info for Spec A, B

Beginning Spec C use:

201-3469-02 spec 57380 and 11456

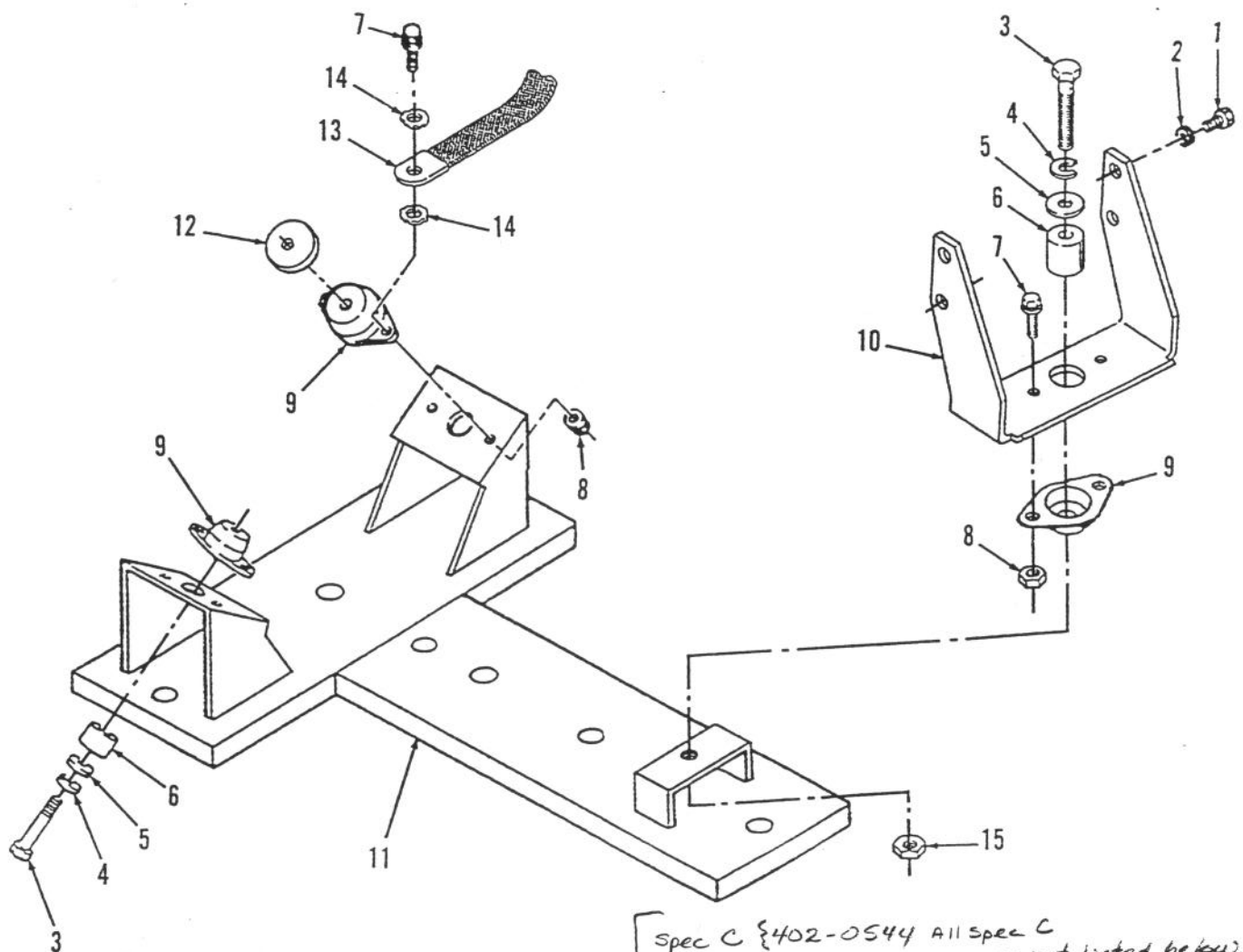
201-3130 use on all other

Frame (Spec A and B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0585	2	Screw, Cap - Hex Head (M10 x 1.25 x 20mm)	9	870-0257	6	Nut, Self-locking - Hex Washer Head (5/16-18)
2	850-2010	4	Washer, Lock - Spring (M10)	10	402-0544	3	Mount, Vibration
3	800-0573	3	Screw, Cap - Hex Head (3/8-16 x 2-1/4")	11	403-2257	1	Frame ("T" Shape)
4	850-0050	3	Washer, Lock - Spring (3/8")	12	815-0600	2	Screw, Cap - Hex Head (M10 x 1.25 x 25mm)
5	526-0077	3	Washer, Flat (3/8")	13	526-0172	2	Washer, Flat (1/2" ID x 2-1/4" OD x 1/4" THK)
6	403-2213	3	Spacer, Sleeve	14	337-0049	1	Strap, Bonding
7	403-2194	1	Support, Engine (Used Through February 1984)	15	856-0008	2	Washer, Lock - EIT (5/16")
8	821-0016	4	Screw, Self-locking - Hex Washer Head (5/16-18 x 3/4")	16	870-0138	3	Nut, Self-Locking
8A	403-2267	2	Plate Assy, Mounting - Shock (Used From Feb. 1984 to Feb. 1988)				

Frame
(Begin Spec C)



Spec C { 402-0544 All Spec C
 Spec D { 402-0660 All Specs not listed below
 { 402-0692 Spec 11343, 11344, 11440, 11455
 Spec E { 402-0660 Spec 11303, 11319, 27748, 27799
 { 402-0692 Spec 11344
 { 402-0544 Spec 11456, 23006, 29174

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0585	2	Screw, Cap - Hex Head (M10 x 1.25 x 20mm)
2	850-2010	2	Washer, Lock - Spring (M10)
3	800-0573	3	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
4	850-0050	3	Washer, Lock - Spring (3/8")
5	526-0077	3	Washer, Flat (3/8")
6	403-2213	3	Spacer, Sleeve
7	821-0016	6	Screw, Self-locking - Hex Washer Head (5/16-18 x 3/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	870-0257	6	Nut, Self-locking - Hex Washer Head (5/16-18)
9	402-0544	3	Mount, Vibration
10	403-2711-01	1	Support, Engine
11	403-2713	1	Frame ("T" Shape)
12	526-0172	2	Washer, Flat (1/2" ID x 2-1/4" OD x 1/4" THK)
13	337-0049	1	Strap, Bonding
14	856-0008	2	Washer, Lock - EIT (5/16")
15	870-0138	1	Nut, Self Lock (3/8-16)

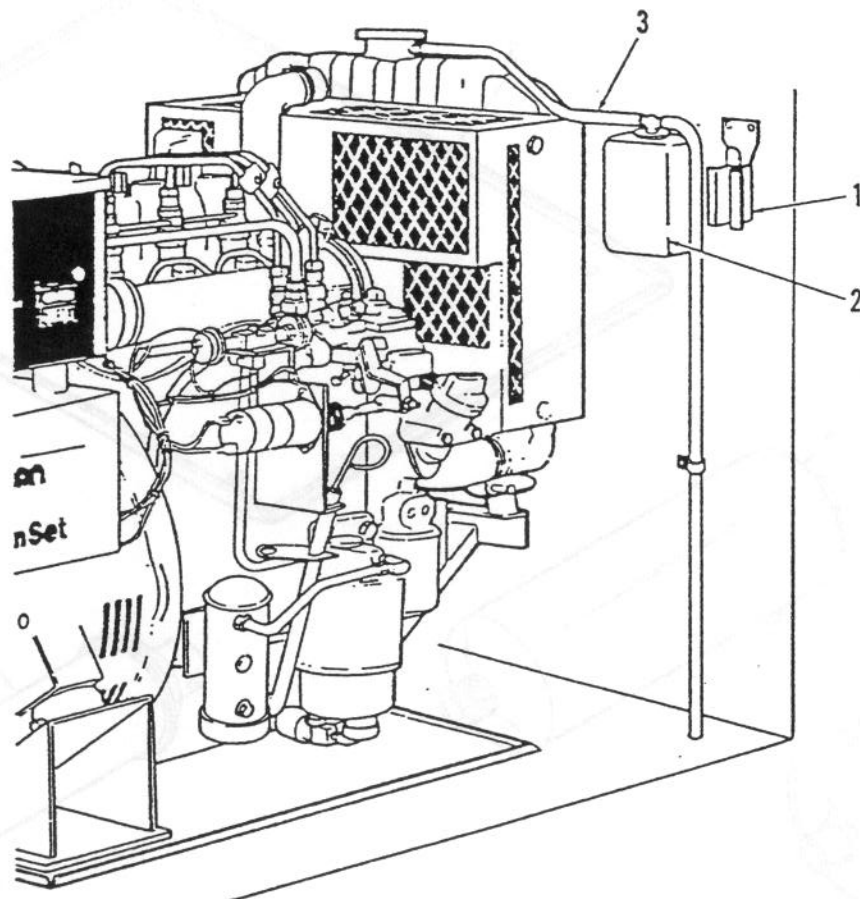
{ 337-0049 All Specs not listed below
 { 337-2161 Spec 11343, 11344, 11440, 11455
 { 337-0081 Spec 34226

{ 403-2713 All Specs not listed below
 { 403-3837 Spec 11343, 11344, 11440, 11455



Date		Time		Location		Remarks	
1944	10-10-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-11-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-12-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-13-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-14-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-15-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-16-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-17-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-18-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-19-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-20-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-21-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-22-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-23-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-24-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-25-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-26-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-27-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-28-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
1944	10-29-44	10:00	11:00	Room 101	Room 102	Work on project	Completed
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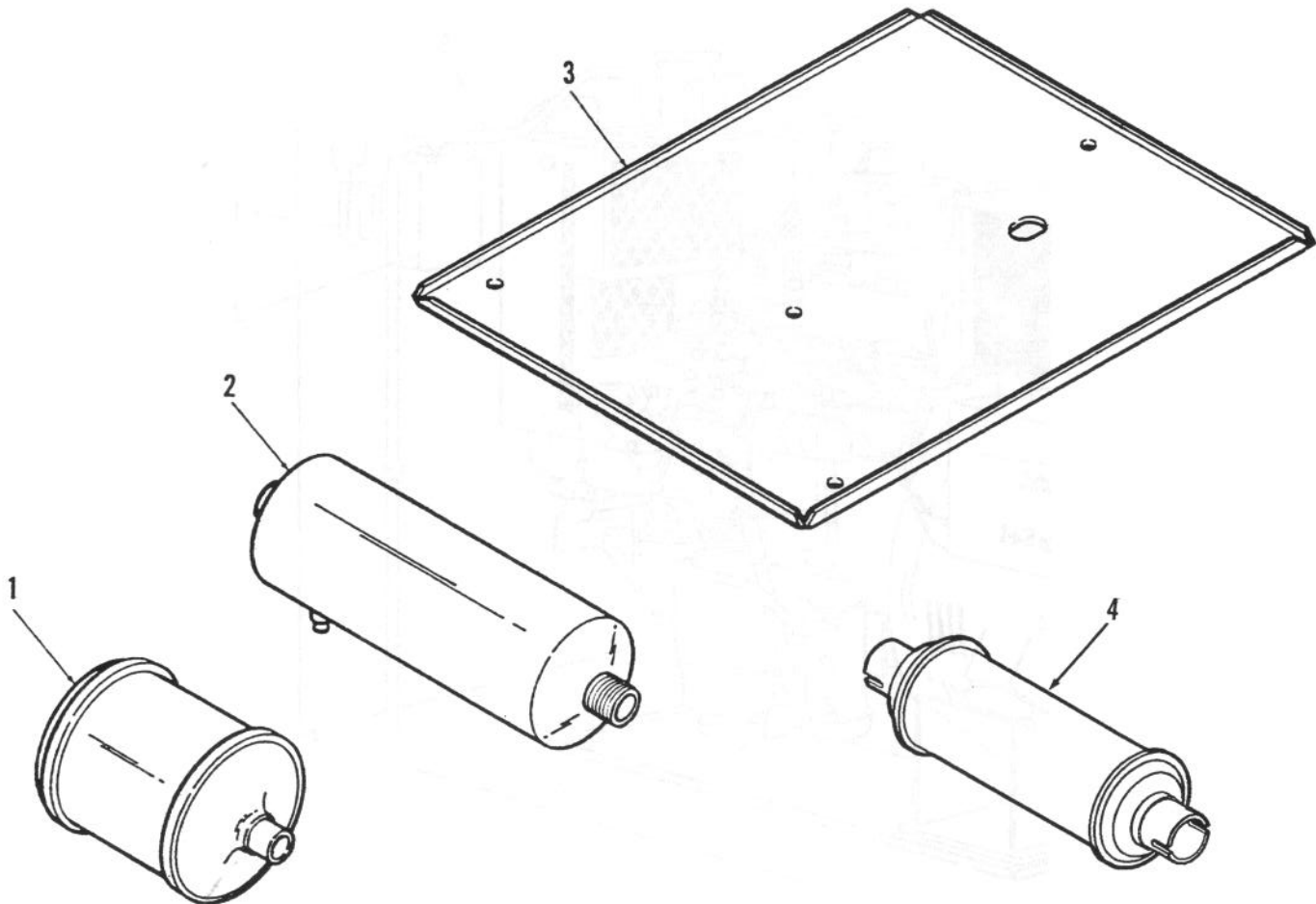
Coolant Tank



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-2780	1	Bracket
2	130-2779	1	Tank, Recovery

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3		1	Hose, Overflow (Comes with Recovery Tank)

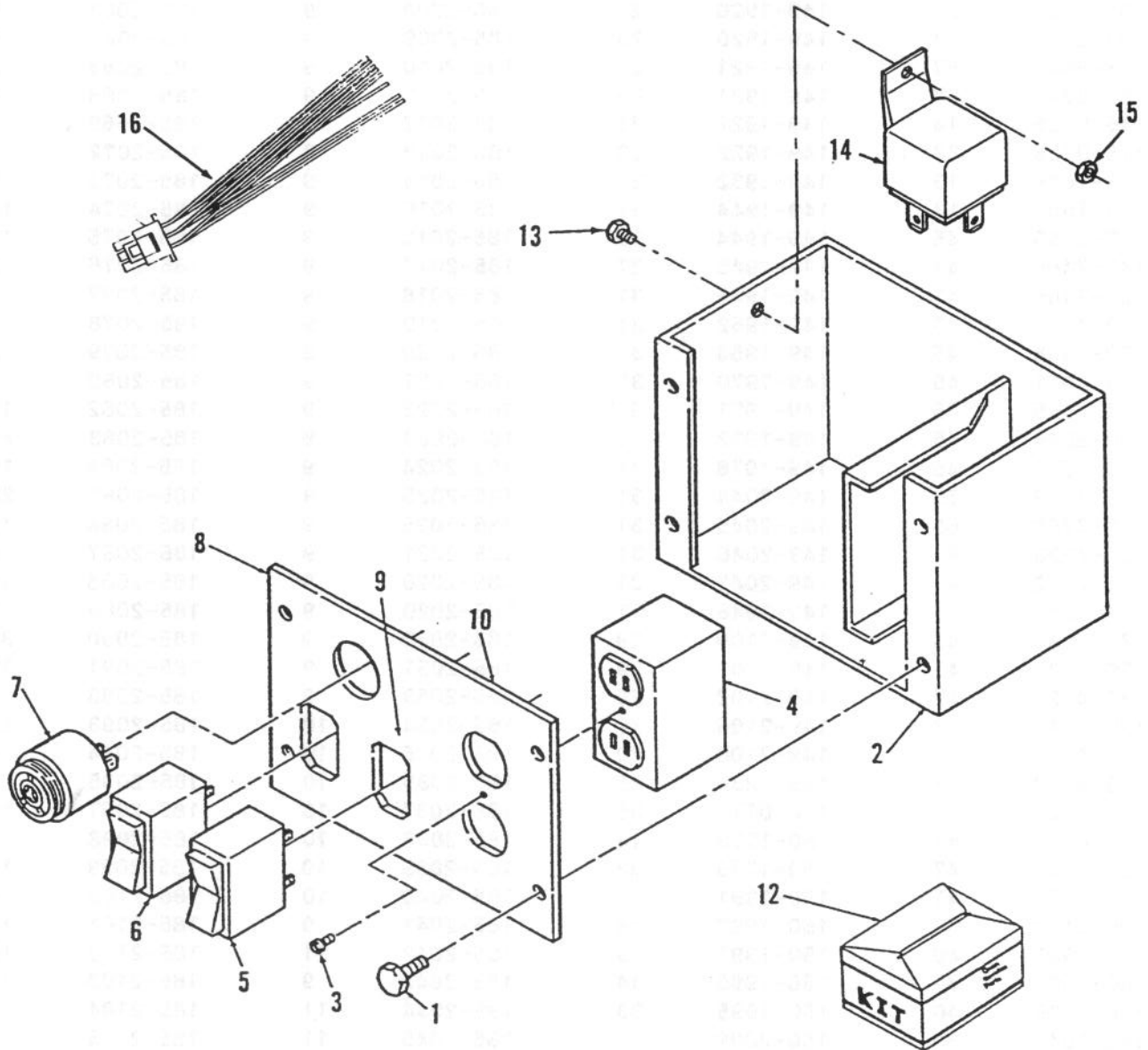
Exhaust Muffler and Drip Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2083	1	Muffler, Exhaust
2			Muffler, Exhaust - Spark Arrestor
	155-2068	1	1-1/4 Outlet
	155-2314	1	1-3/4 Outlet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	403-2334	1	Pan, Drip
4	155-2653	1	Resonator, Exhaust (RV Diesel) (Spec D)

Remote Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0350	4	Screw, Hex Head Washer (#10-32 x .38)	9	98-5505	1	Label, Panel - Remote (Front)
2	301-9500	1	Box, Control	10	98-5506	1	Label, Panel - Remote (Rear)
3	822-2030	1	Screw, Pan Head - External Tooth (#6-32 x .38)	11	525-0273	1	Paint, Black
4	323-1104	1	Receptacle	12	300-3048	1	Kit, Control - Remote
5	308-0830	1	Switch, Rocker (Preheat)	13	821-0009	1	Screw, Self-locking - Hex Head (#10-32 x 5/16)
6	308-0827	1	Switch, Rocker (Start/Stop)	14	307-1886	1	Relay
7	333-0133	1	Signal, Audible	15	870-0131	1	Nut, Hex - With External Tooth (#10-32)
8	301-9493	1	Panel, Control	16	338-2102	1	Harness, Remote (6")

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98-5497	53	149-1920	27	185-2008	9	185-2061	5
98-5505	67	149-1920	29	185-2009	9	185-2062	5
98-5506	67	149-1921	27	185-2010	9	185-2063	5
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123-1693	13	149-1944	27	185-2015	9	185-2074	11
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