

Onan RV Generator

Parts Manual

DKG



Printed U.S.A.

981-0245
1-94 (Spec A)
Replaces 2-92 (Spec A)

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 illustrations 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 sides of the Set are determined by FACING the engine end (front) of the Set.

Set Data Table

MODEL IDENTIFICATION	RATING	VOLTS	HERTZ	PHASE	WIRE
10.0DKG-FJ/27798	10,000 WATTS	120/240	60	1	4
10.0DKG-FJ/27799	10,000 WATTS	120/240	60	1	4

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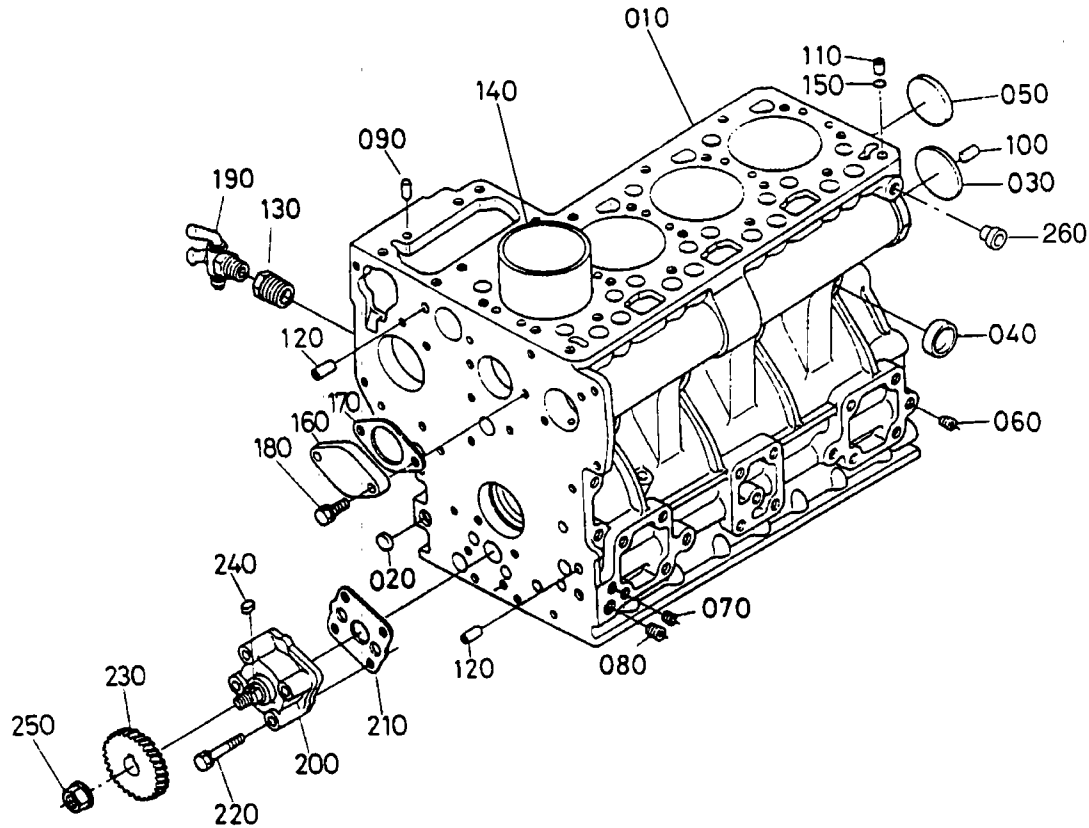
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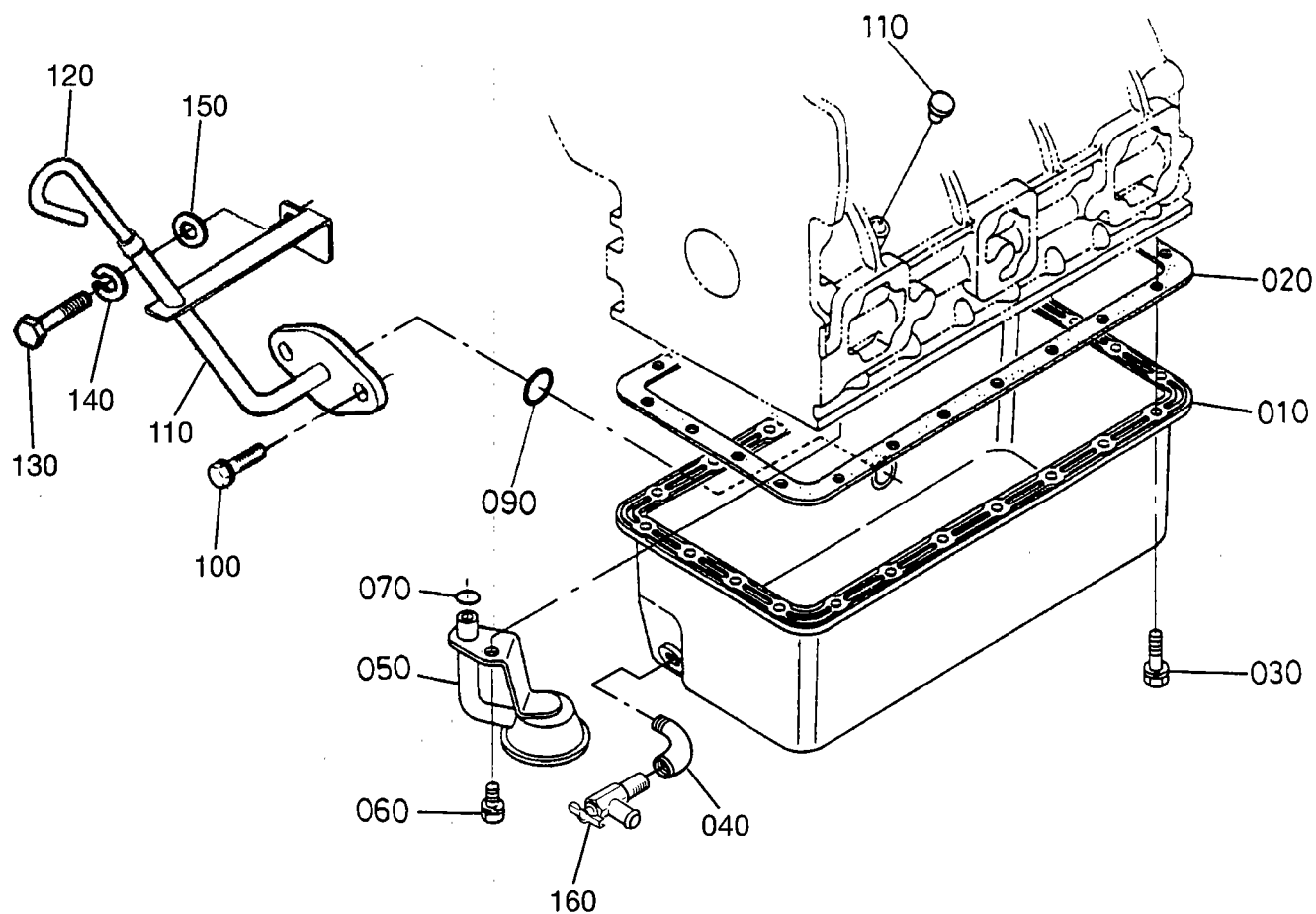
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Crankcase



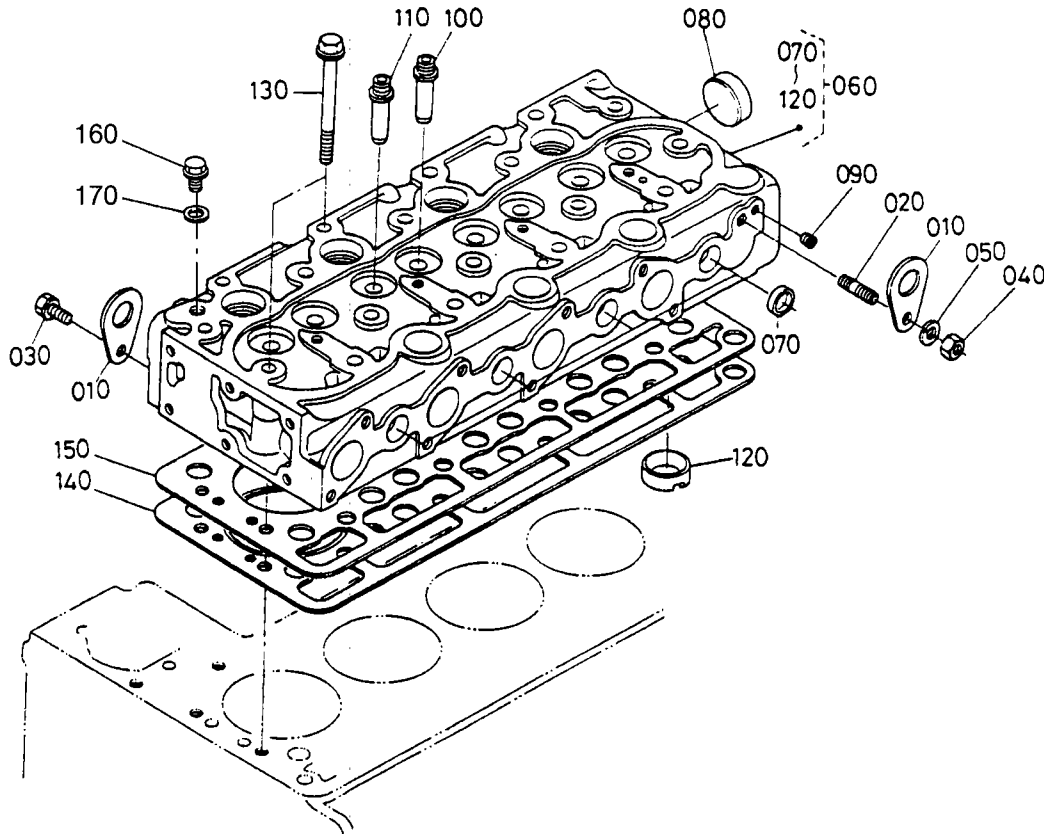
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	100-3074	1	Engine Replacement	140	185-2007	4	Liner, Cylinder
020	185-6388	3	Plug	150	185-2095	1	O'Ring
030	185-5485	1	Plug	160	185-2176	1	Cover, Water
040	185-2411	6	Cap, Sealing	170	185-2177	1	Gasket, Cover - Water
050	185-2412	1	Cap, Sealing	180	185-2389	2	Bolt
060	185-2188	7	Plug	190	185-2337	1	Cock, Drain
070	185-2233	3	Plug	200	185-2155	1	Pump Assy, Oil
080	185-2234	1	Plug	210	185-2156	1	Gasket, Pump - Oil
090	185-2350	2	Pin, Straight	220	185-2409	4	Bolt
100	185-5487	2	Pin, Straight	230	185-2293	1	Gear, Drive - Oil Pump
110	185-2094	1	Pin, Pipe	240	185-2352	1	Key, Feather
120	185-2115	2	Pin, Pipe	250	185-6389	1	Nut, Flange
130	185-2229	1	Plug, Drain	260	185-6039	1	Plug

Oil Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6390	1	Pan, Oil	100	185-2399	2	Bolt
020	185-6247	1	Gasket, Pan - Oil	110	185-6393	1	Plug, Rubber
030	185-2226	22	Bolt	120	123-1945	1	Indicator, Level - Oil
040	505-0120	1	Elbow, Street (3/8 x 90 Degree)	130	815-0586	2	Screw, Cap - Hex Head (M10 x 1.25 x 16)
050	185-2220	1	Tube, Pickup - Oil	140	850-2010	2	Washer, Lock
060	185-2399	1	Bolt	150	526-0029	2	Washer, Flat
070	185-6248	1	O'Ring	160	504-0150	1	*Valve, Shut-Off
080	123-1950	1	Tube Assy, Level - Oil				
090	185-6392	1	O'Ring				

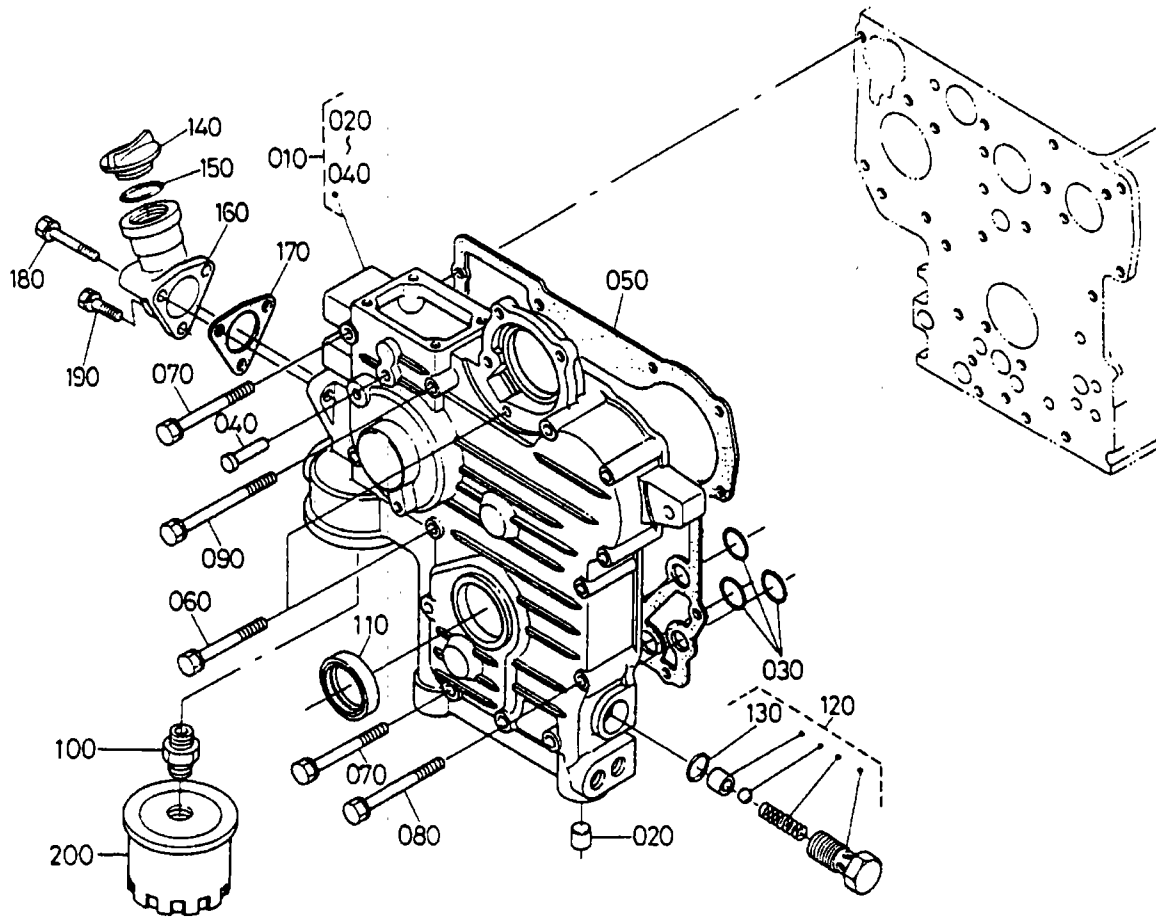
Cylinder Head



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2414	2	Hook, Engine	110	185-2069	4	*Guide, Valve – Exhaust
020	185-2361	1	Stud	120	185-2477	4	*Chamber, Combustion
030	185-2399	1	Bolt	130	185-2053	18	Bolt, Head – Cylinder
040	185-2367	1	Nut	140	185-6252	1	Gasket, Head – Cylinder
050	185-2381	1	Washer, Spring	150	185-6253	1	Shim, Gasket – Cylinder Head
060	185-6250	1	Head Assy, Cylinder (Includes Parts Marked *)	160	185-6251	1	Plug, Head – Cylinder
070	185-2413	7	*Cap, Sealing	170	185-6254	1	Washer, Rubber
080	185-2411	1	*Cap, Sealing				
090	185-2188	2	*Plug				
100	185-2068	4	*Guide, Valve – Intake				

* – Included in Cylinder Head Assy.

Gearcase

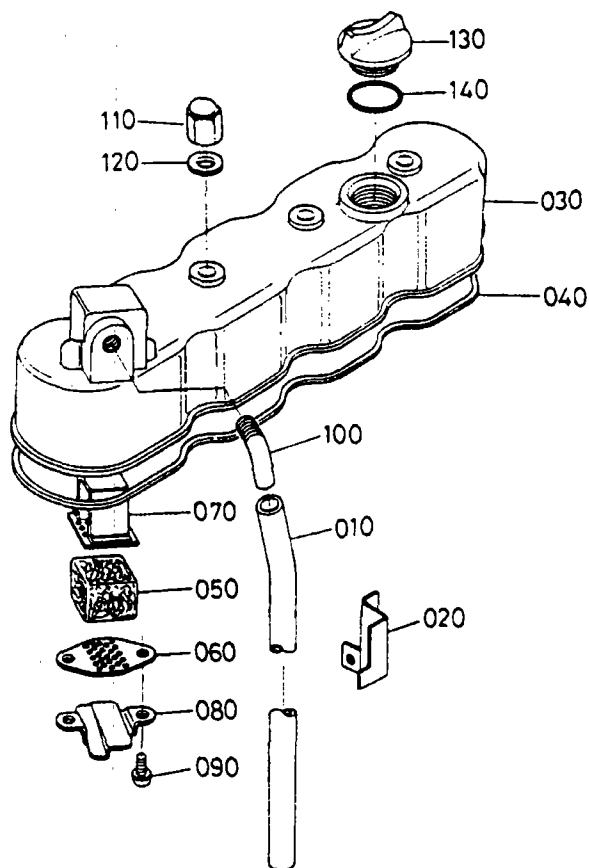


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6255	1	Gearcase Assy (Includes Parts Marked *)
020	185-5505	8	* Plug
030	185-2374	3	* O'Ring
040	185-2102	1	* Pin, Spring - Start
050	185-2058	1	Gasket, Gearcase
060	185-2395	8	Bolt
070	185-2396	3	Bolt
080	185-2397	2	Bolt
090	185-5745	1	Bolt
100	185-2124	1	Joint, Pipe
110	185-2317	1	Seal, Oil
120	185-2157	1	Valve Assy, Relief (Includes O'Ring)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
130	185-2372	1	O'Ring
140	185-5407	1	Plug, Filler - Oil
150	185-2349	1	O'Ring
160	185-2296	1	Flange, Filler - Oil
170	185-2309	1	Gasket, Flange
180	185-2394	2	Bolt
190	185-2390	1	Bolt
200	185-6256	1	Filter, Oil

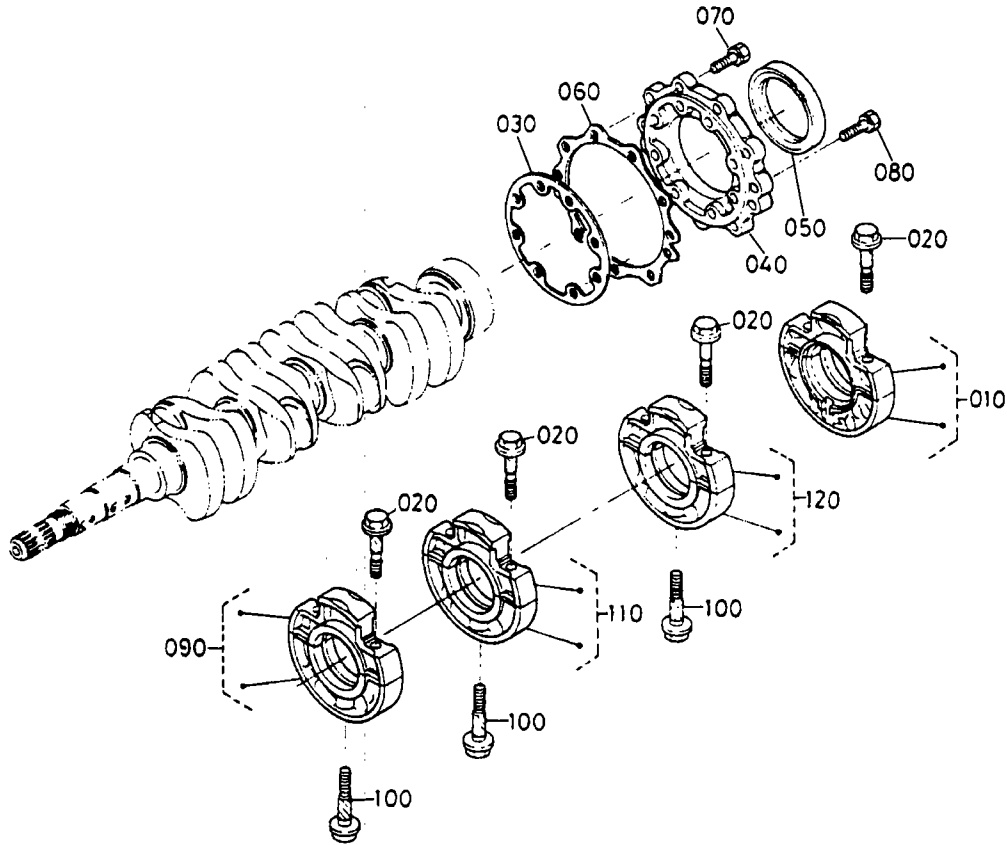
* - Included in Gearcase Assy.

Cylinder Head Cover



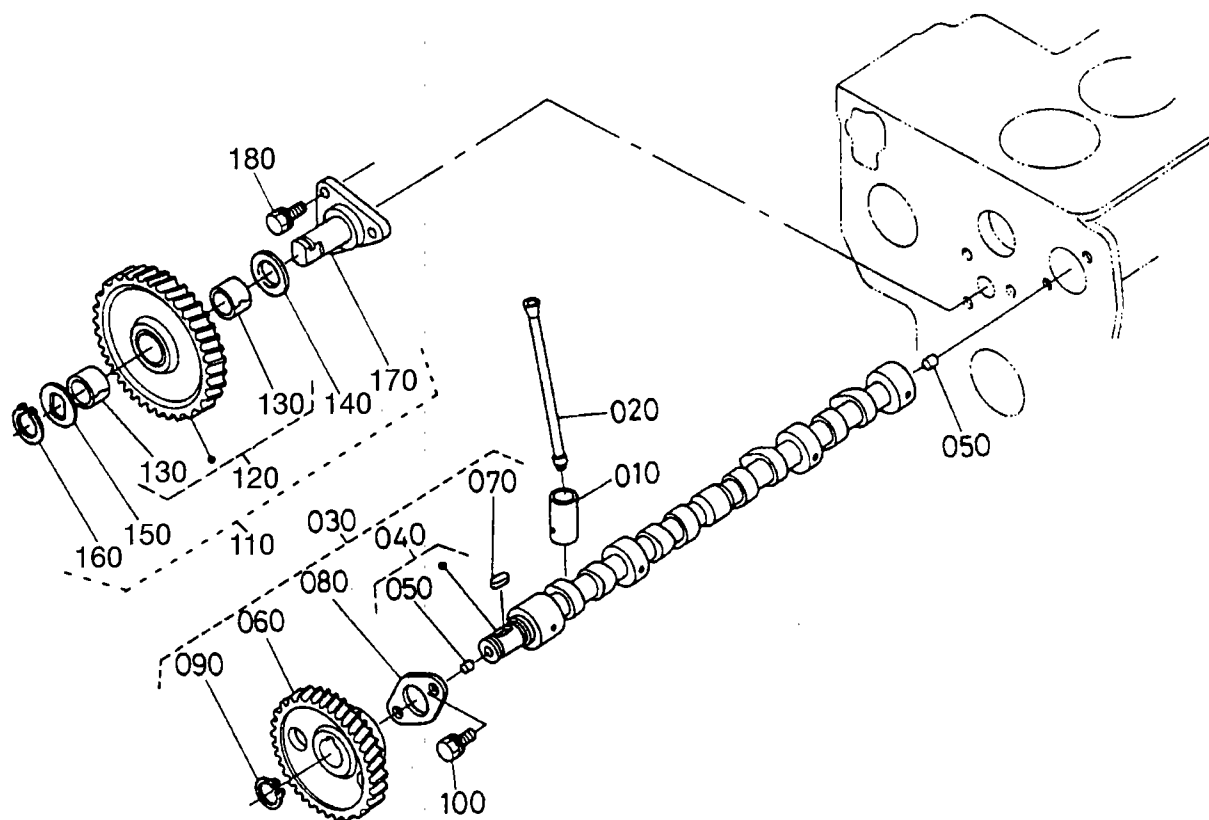
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2128	1	Pipe, Breather	080	185-2288	1	Shield, Oil - Breather
020	185-2059	1	Clamp, Pipe	090	185-2384	2	Screw, Washer Head - Hex
030	185-6259	1	Cover, Head - Cylinder	100	185-2231	1	Joint, Pipe - Breather
040	185-6260	1	Gasket, Cover - Head	110	185-6394	4	Nut, Cap
050	185-2232	1	Element, Breather	120	185-2291	4	Gasket
060	185-2287	1	Plate, Element - Breather	130	185-5407	1	Plug, Filler - Oil
070	185-2230	1	Plate, Element - Breather	140	185-2349	1	O'Ring

Main Bearing Case



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2035	1	Case Assy, Bearing - Main	070	185-2390	9	Bolt
020	185-6395	8	Bolt, Case - Bearing	080	185-2391	8	Bolt
030	185-2036	1	Gasket, Case - Bearing	090	185-2034	1	Case Assy, Bearing - Main
040	185-2254	1	Cover, Case - Bearing	100	185-6396	3	Bolt, Case - Bearing
050	185-2055	1	Seal, Oil	110	185-2213	1	Case Assy, Bearing - Main
060	185-2127	1	Gasket, Cover - Bearing Case	120	185-6258	1	Case Assy, Bearing - Main

Camshaft



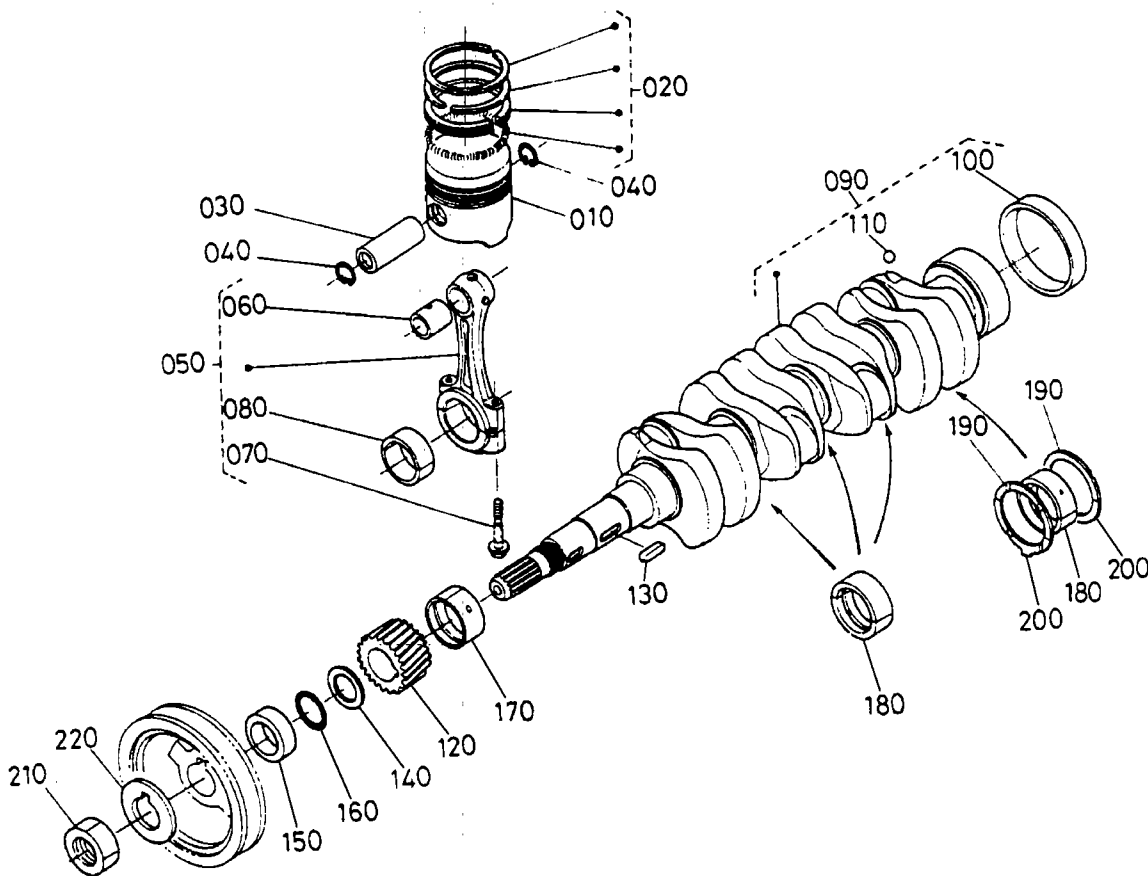
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2075	8	Tappet
020	185-2074	8	Rod, Push
030	185-6267	1	Camshaft Assy (Includes Parts Marked *)
040	185-6397	1	* Camshaft (Includes Plug)
050	185-2190	2	* Plug
060	185-2086	1	* Gear, Camshaft
070	185-2353	1	* Key, Feather
080	185-2084	1	* Stopper, Camshaft
090	185-2369	1	* Circlip, External
100	185-2387	2	Bolt
110	185-6268	1	Gear Assy, (Includes Parts Marked #)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
120	185-6270	1	#Gear, Idle – (Includes Idle Gear Bushings)
130	185-6271	2	#Bushing, Gear – Idle
140	185-6272	1	#Collar, Gear – Idle
150	185-6273	1	#Collar, Gear – Idle
160	185-6274	1	#Circlip, Gear – Idle
170	185-2388	1	#Shaft, Gear – Idle
180	185-6398	3	Bolt

* – Included in Camshaft Assy.

- Included in Idle Gear Assy

Crankshaft

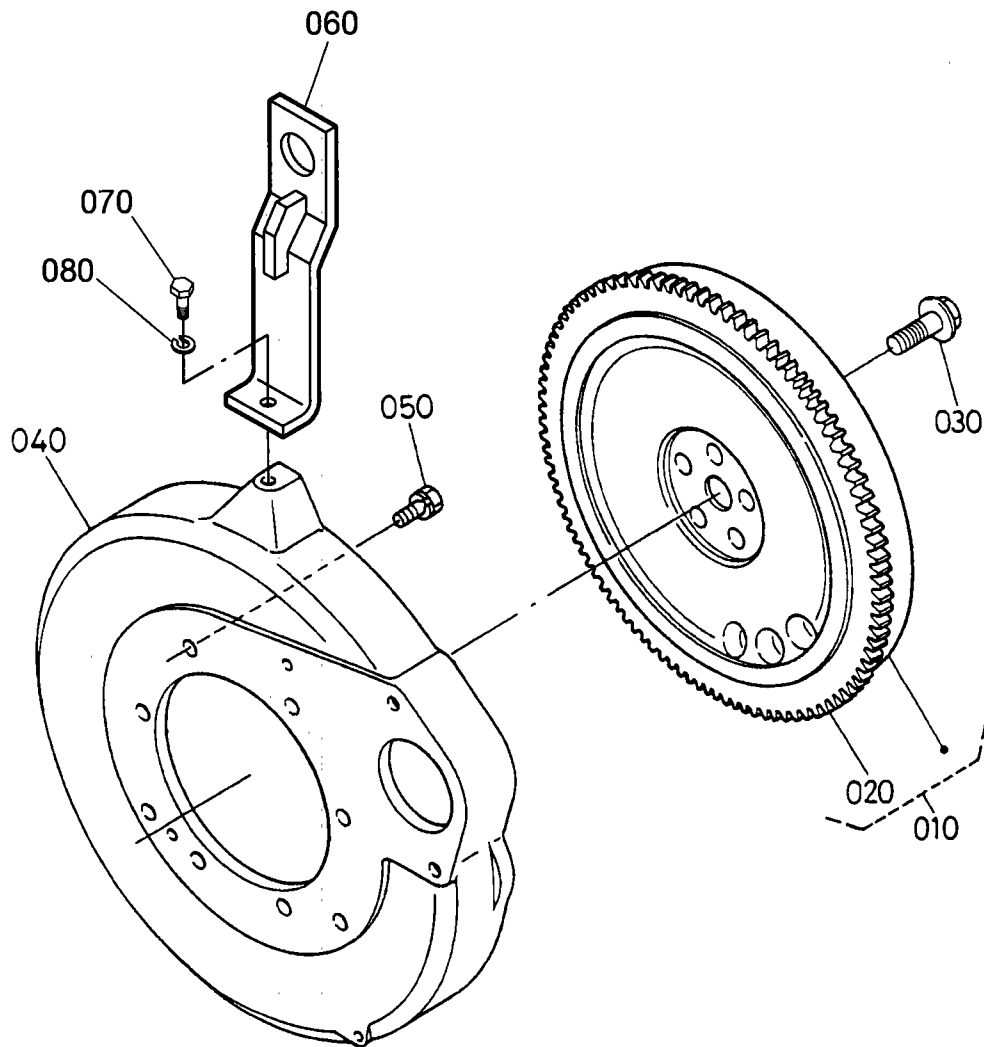


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6280	4	Piston	160	185-2348	1	O'Ring
	185-6281	4	Standard	170	185-6404	1	Bearing, Crankshaft
020	185-6282	4	Ring Assy, Piston		185-6405	1	Standard
	185-6399	4	Standard		185-6406	1	-0.2mm Set
030	185-2015	4	Pin, Piston			1	-0.4mm Set
040	185-2016	8	Circlip, Pin - Piston	180	185-6407	4	Bearing, Crankshaft
050	185-6400	4	Rod Assy, Connecting (Includes		185-5356	4	Standard
			Parts Marked *)		185-5357	4	-0.2mm Set
060	185-2017	4	*Bushing, Pin - Piston			4	-0.4mm Set
070	185-5466	8	*Bolt, Rod - Connecting	190	185-2022	2	Bearing, Side
080			*Bearing, Rod - Connecting		185-2028	2	Standard
	185-6401	4	Standard Set		185-2029	2	+0.2mm
	185-6402	4	-0.2mm			2	+0.4mm
	185-6403	4	-0.4mm	200	185-2023	2	Bearing, Side
090	185-6283	1	Crankshaft Assy (Includes Parts		185-2030	2	Standard
			Marked #)		185-2031	2	+0.2mm
100	185-2033	1	#Sleeve, Crankshaft			2	+0.4mm
110	185-5924	4	#Ball	210	185-2088	1	Nut, Crankshaft
120	185-2043	1	Gear, Crankshaft	220	185-5468	1	Washer, Crankshaft
130	185-2353	1	Key, Feather				
140	185-2087	1	Slinger, Oil				
150	185-2250	1	Collar, Crankshaft				

* - Included in Connecting Rod Assy.

- Included in Crankshaft Assy.

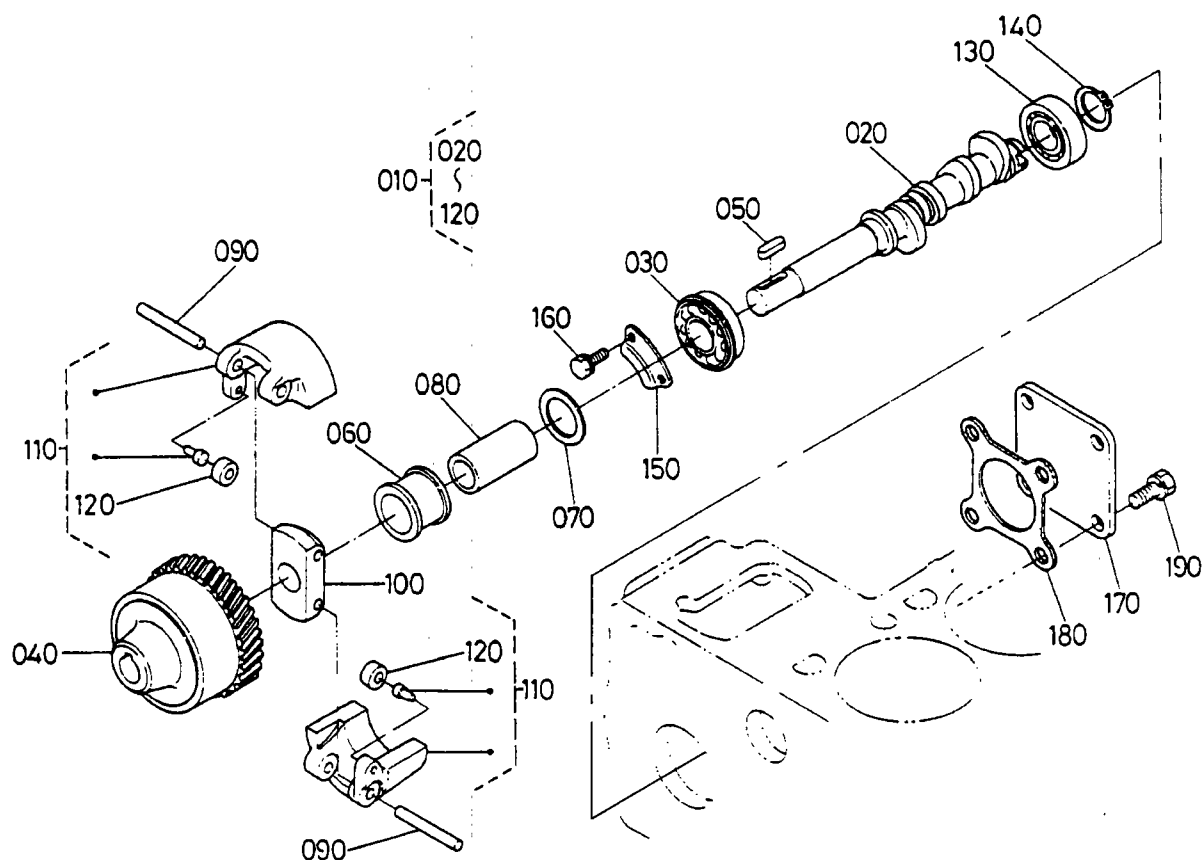
Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6408	1	Flywheel Assy (Includes Ring Gear)
020	185-2170	1	Gear, Ring
030	185-6409	5	Bolt, Flywheel
040	185-6410	1	Housing, Flywheel

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
050	185-2178	8	Bolt
060	403-3280-03	1	Bracket, Lifting
070	802-2115	1	Screw, Cap - Hex Head (M10 x 1.5 x 25)
080	850-2010	1	Washer, Lock (M10)

Fuel Camshaft

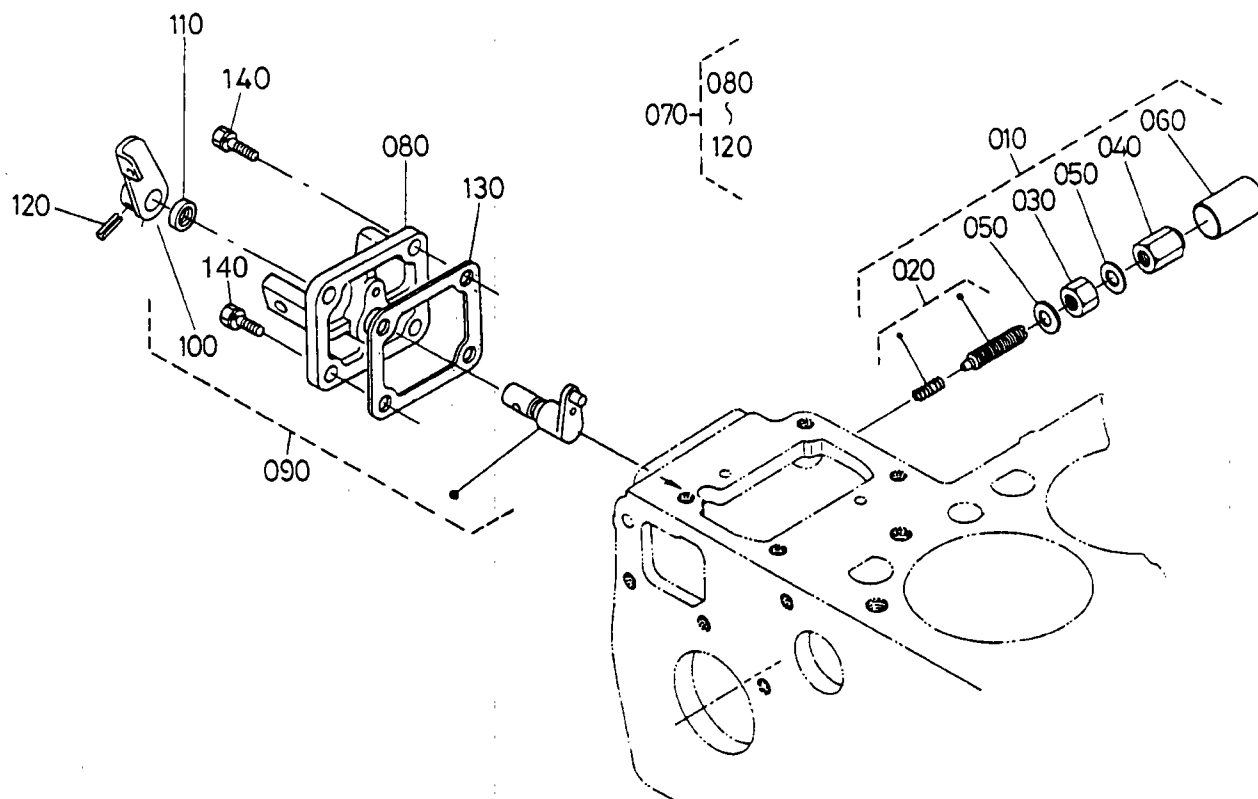


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6411	1	Camshaft Assy, Fuel (Includes Parts Marked *)
020	185-6311	1	*Camshaft, Fuel
030	185-6412	1	*Bearing, Ball
040	185-6312	1	*Gear, Pump – Injection
050	185-2354	1	*Key, Feather
060	185-6313	1	*Sleeve, Governor
070	185-2450	2	*Washer, Thrust
080	185-6314	1	*Collar
090	185-2452	2	*Shaft, Weight – Governor
100	185-2453	1	*Holder, Weight – Governor
110	185-6315	2	*Weight, Governor (Includes Roller)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
120	185-2443	2	*Roller
130	185-2315	1	Bearing, Ball
140	185-2370	1	Circlip, External
150	185-6316	1	Stopper, Camshaft – Fuel
160	185-2386	2	Bolt
170	185-2126	1	Cover
180	185-2120	1	Gasket, Cover
190	185-2400	4	Bolt

* – Included in Camshaft Assy.

Engine Stop Lever



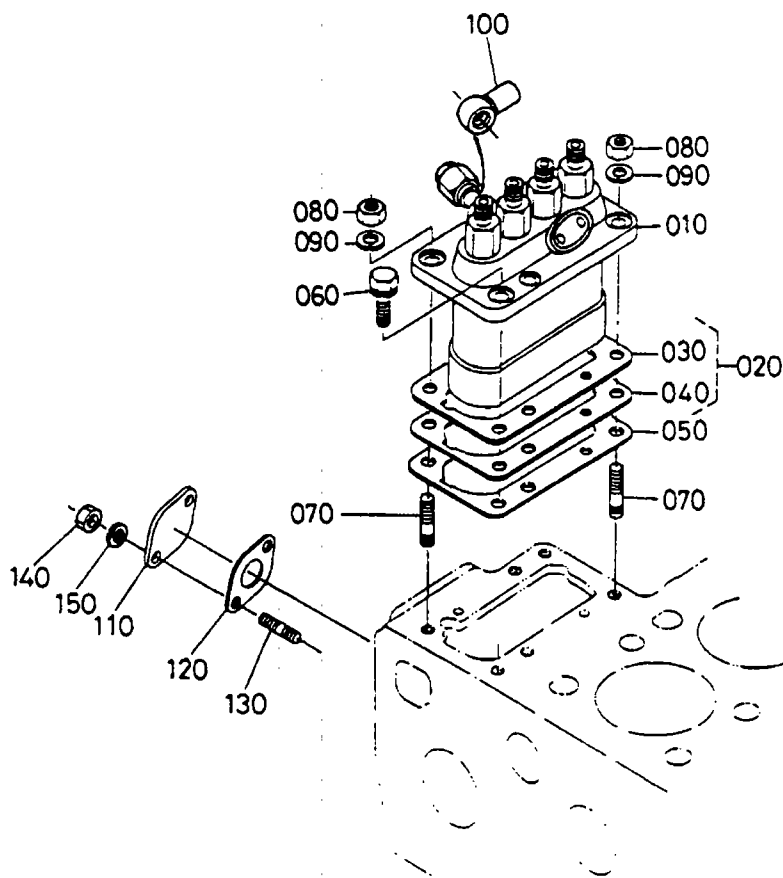
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2432	1	Apparatus Assy, I/D (Includes Parts Marked *)
020	185-2433	1	*Bolt Assy, Adjusting
030	185-2180	1	*Nut
040	185-2182	1	*Nut, Cap
050	185-2338	2	*Gasket
060	185-2161	1	*Cap
070	185-6413	1	Lever Assy, Stop - Engine (Includes Parts Marked #)
080	185-6414	1	#Cover, Pump- Injection
090	185-2464	1	#Shaft Assy, Lever (Includes Engine Stop Lever)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
100	185-6415	1	#Lever ,Stop - Engine
110	185-2461	1	#Seal, Oil
120	185-2351	1	#Pin, Spring
130	185-2114	1	Gasket, Breather
140	185-2389	4	Bolt

* - Included in Apparatus Assy.

- Included in Engine Stop Lever Assy.

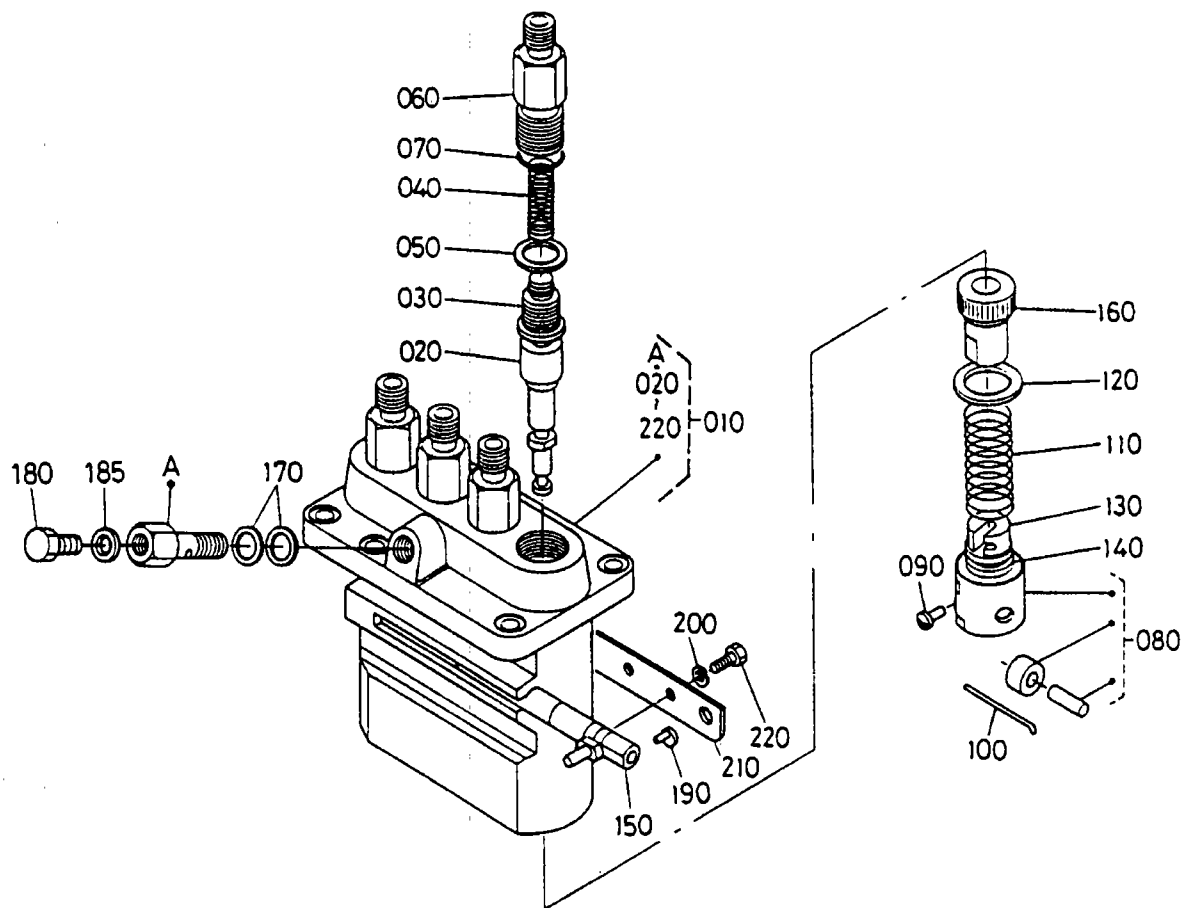
Injection Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5453	1	Pump Assy, Injection (See Separate Page for Components)	080	185-2367	2	Nut
020	185-6416	1	Shim Assy, Injection (Includes Parts Marked *)	090	185-2381	2	Washer, Spring
030	185-5976	1	*Shim (0.15mm)	100	185-6418	1	Joint, Eye
040	185-6417	2	*Shim, Pump - Injection (0.30mm)	110	185-2418	1	Cover
050	185-5455	1	Shim, Pump - Injection (0.15mm)	120	185-2125	1	Gasket, Cover
060	185-2402	4	Bolt	130	185-2359	2	Stud
070	185-2106	2	Stud	140	185-4255	2	Nut
				150	185-2380	2	Washer, Spring

* - Included in Injection Shim Assy.

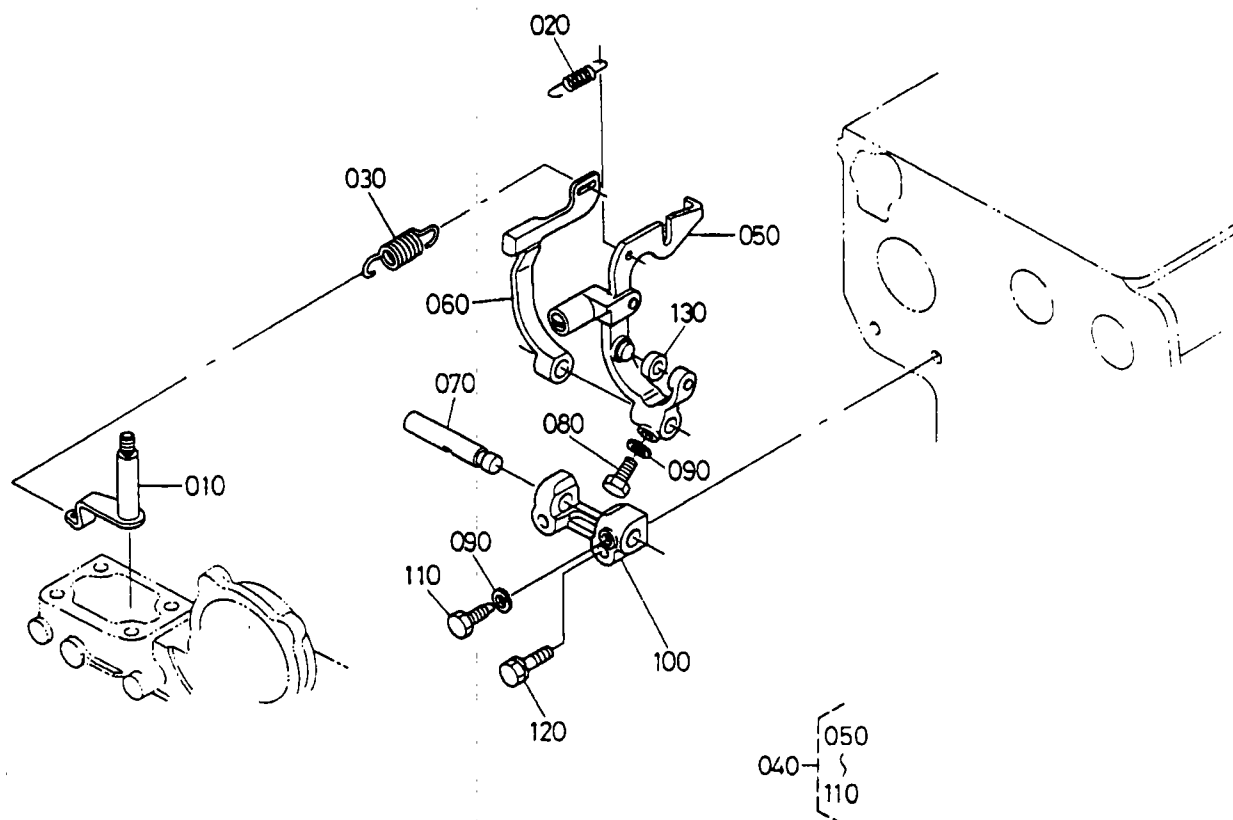
Injection Pump (Components)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5453	1	Pump Assy, Injection (Includes Parts Marked *)	140	185-6429	4	*Shim
020	185-6419	4	*Plunger, Pump	150	185-6430	1	*Rack, Control
030	185-6420	4	*Valve, Delivery	160	185-6431	4	*Sleeve, Control
040	185-6421	4	*Spring, Valve - Delivery	170	185-6154	2	*Gasket
050	185-2196	4	*Gasket, Valve - Delivery	180	185-6432	1	*Screw, Bleeder - Air
060	185-6422	4	*Holder, Valve - Delivery	185	185-6433	1	*Gasket
070	185-2198	4	*O'Ring	190	185-6434	3	*Collar
080	185-6423	4	*Tappet Assy	200	185-2380	3	*Washer, Spring
090	185-6424	4	*Pin, Guide - Tappet	210	185-6435	1	*Plate, Adjusting
100	185-6425	2	*Pin, Clamp	220	185-6436	3	*Bolt
110	185-6426	4	*Spring, Plunger				
120	185-6427	4	*Seat, Spring - Upper				
130	185-6428	4	*Seat, Spring - Lower				

* - Included in Injection Pump Assy

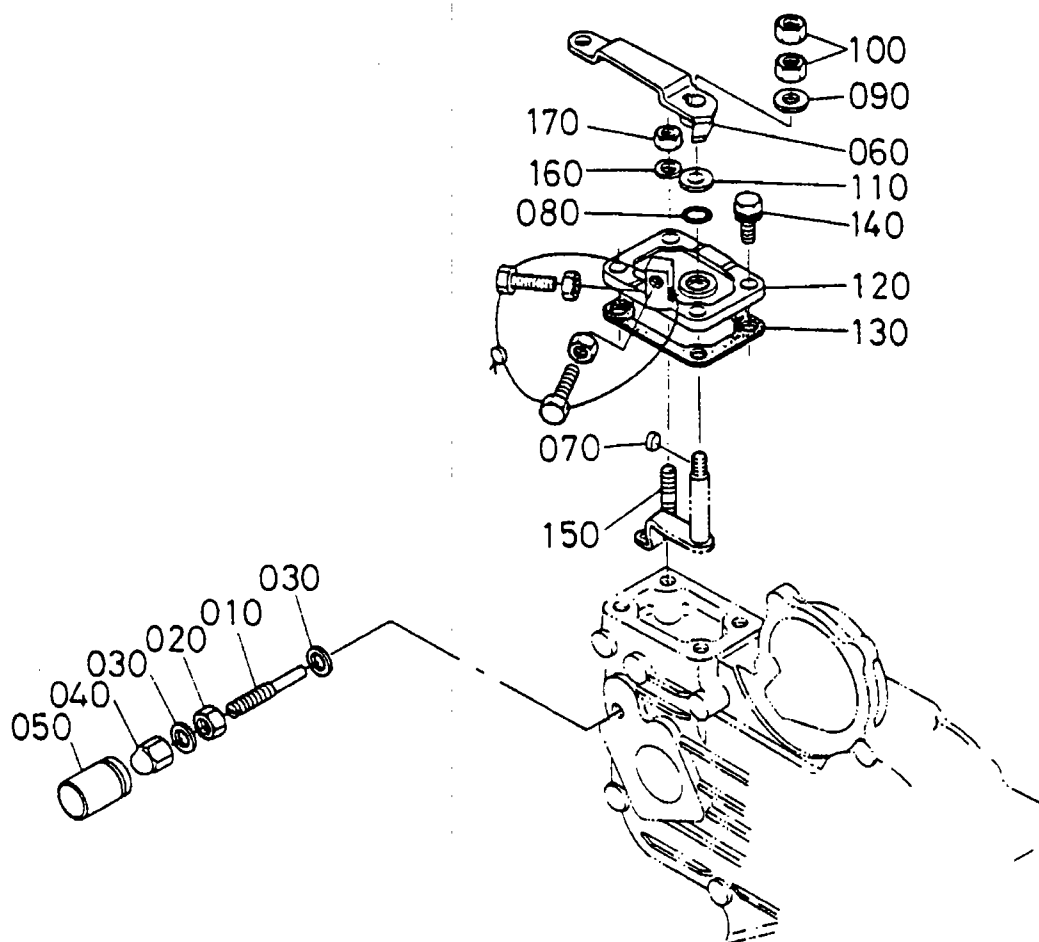
Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2261	1	Lever, Governor	090	185-5007	2	*Washer, Spring
020	185-2103	1	Spring, Start	100	185-2167	1	*Holder, Lever - Fork
030	185-6303	1	Spring, Governor	110	185-2173	1	*Bolt
040	185-6437	1	Lever Assy, Fork (Includes Parts Marked *)	120	185-2392	2	Bolt
050	185-6304	1	*Lever, Fork - Complete	130	185-2443	2	Roller
060	185-2442	1	*Lever, Fork				
070	185-2166	1	*Shaft, Lever - Fork				
080	185-6305	1	*Bolt				

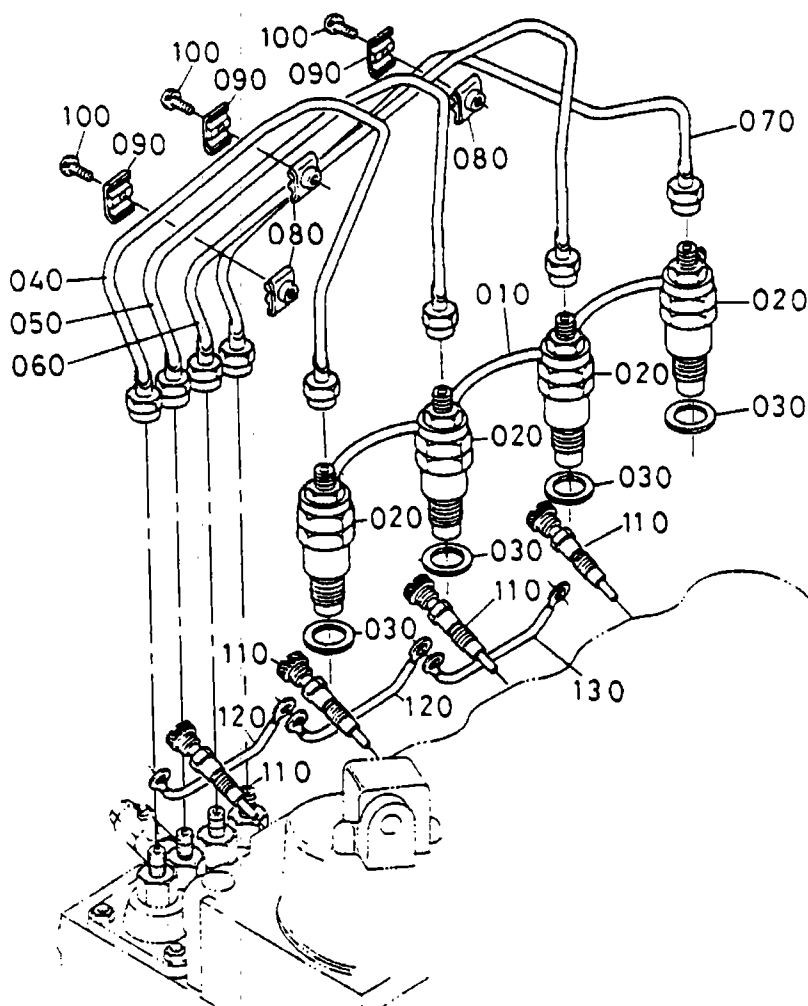
* - Included in Fork Lever Assy

Speed Control Plate



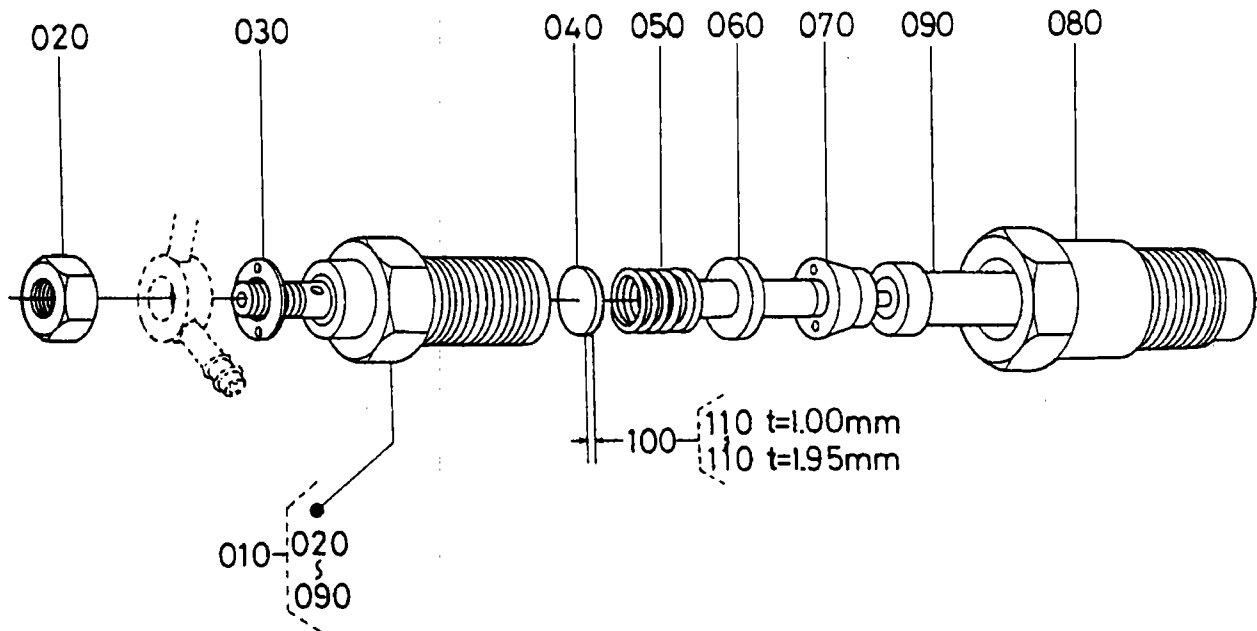
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2438	1	Bolt, Adjusting	100	185-2364	2	Nut
020	185-2248	1	Nut	110	185-2184	1	Washer, Plain
030	185-2284	2	Gasket	120	185-2263	1	Plate, Control - Speed
040	185-5529	1	Nut, Cap	130	185-2168	1	Gasket
050	185-5686	1	Cap	140	185-2390	3	Bolt
060	185-2264	1	Lever, Control - Speed	150	185-2105	1	Stud
070	185-2352	1	Key, Feather	160	185-2380	1	Washer, Spring
080	185-2373	1	O'Ring	170	185-4255	1	Nut
090	d185-2376	1	Washer, Plain				

Nozzle Holder



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5452	1	Pipe Assy, Overflow	070	185-6298	1	Pipe, Injection
020	185-2436	4	Holder Assy, Nozzle (See Separate Page for Components)	080	185-5612	3	Clamp, Pipe
				090	185-5613	3	Clamp, Pipe
030	185-2294	4	Gasket	100	185-2385	3	Screw, Washer Head- Hex
040	185-6295	1	Pipe, Injection	110	185-2289	4	Plug, Glow
050	185-6296	1	Pipe, Injection	120	185-2172	2	Cord, Plug - Glow
060	185-6297	1	Pipe, Injection	130	185-6299	1	Cord, Plug - Glow

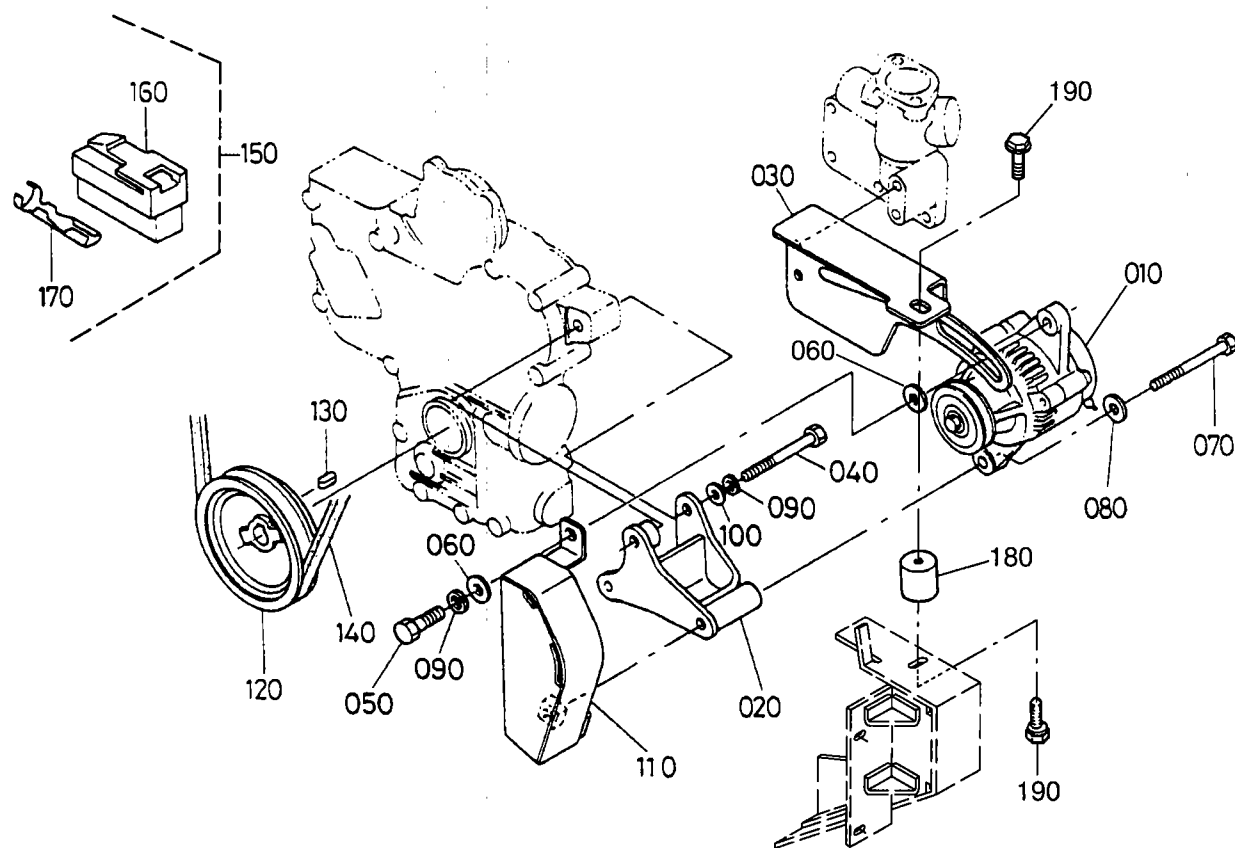
Nozzle Holder (Components)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2436	4	Holder Assy, Nozzle (Includes Parts Marked *)	185-2137	4	1.25mm	
020	185-2107	4	*Nut	185-2138	4	1.30mm	
030	185-2109	4	*Washer, Plain	185-2139	4	1.35mm	
040	185-2099	4	*Washer, Adjusting	185-2140	4	1.40mm	
050	185-2098	4	*Spring, Nozzle	185-2141	4	1.45mm	
060	185-2101	4	*Piece, Distance	185-2142	4	1.50mm	
070	185-2097	4	*Rod, Push	185-2143	4	1.55mm	
080	185-2100	4	*Nut, Nozzle	185-2144	4	1.60mm	
090	185-2339	4	*Piece, Nozzle	185-2145	4	1.65mm	
100	185-2444	4	Washer Assy, Adjust (Includes Adjusting Washers)	185-2146	4	1.70mm	
110			Washer, Adjusting	185-2147	4	1.75mm	
	185-2132	4	1.00mm	185-2148	4	1.80mm	
	185-2133	4	1.05mm	185-2149	4	1.85mm	
	185-2134	4	1.10mm	185-2150	4	1.90mm	
	185-2135	4	1.15mm	185-2151	4	1.95mm	
	185-2136	4	1.20mm				

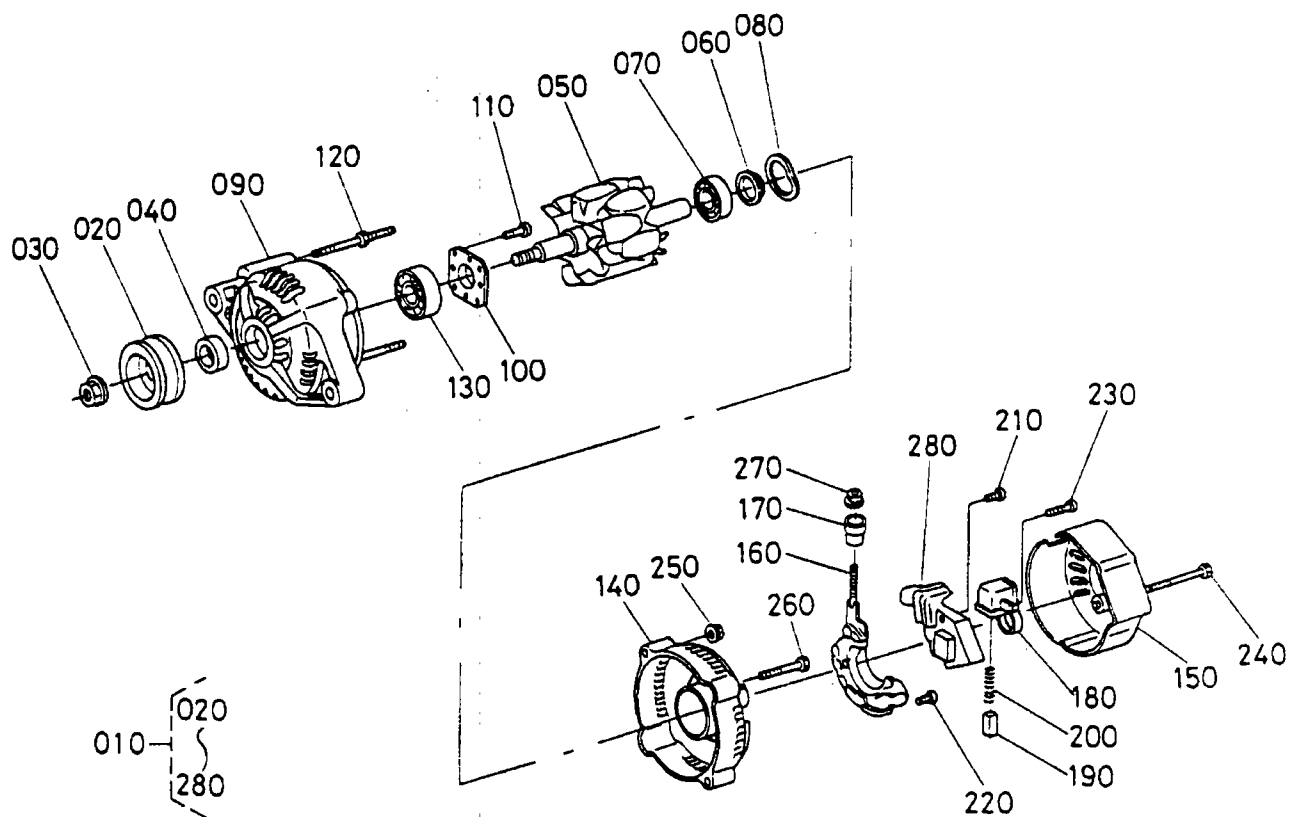
* - Included in Nozzle Holder Assy.

Alternator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5441	1	Alternator Assy (12V, 40A) (See Separate Page for Components)	120	185-6325	1	Pulley, Drive – Fan (130mm Diameter)
020	185-5440	1	Support, Alternator	130	185-2353	1	Key, Feather
030	185-6438	1	Bracket, Adjusting – Alternator	140	185-5446	1	Belt, Fan (38.5")
040	185-5443	1	Bolt	150	185-5447	1	Coupler Assy (Includes Connector and Terminal)
050	185-6439	1	Bolt	160	185-6440	1	Connector
060	185-2378	2	Washer, Plain	170	185-6347	2	Terminal
070	185-5463	1	Bolt	180	402-0078	1	Isolator, Vibration
080	185-3068	1	Washer, Plain	190	821-0014	2	Screw, Locking Head (5/16-18 x 1/2")
090	185-2381	2	Washer, Spring				
100	185-3065	1	Washer, Plain				
110	185-6227	1	Cover, Alternator				

Alternator (Components)

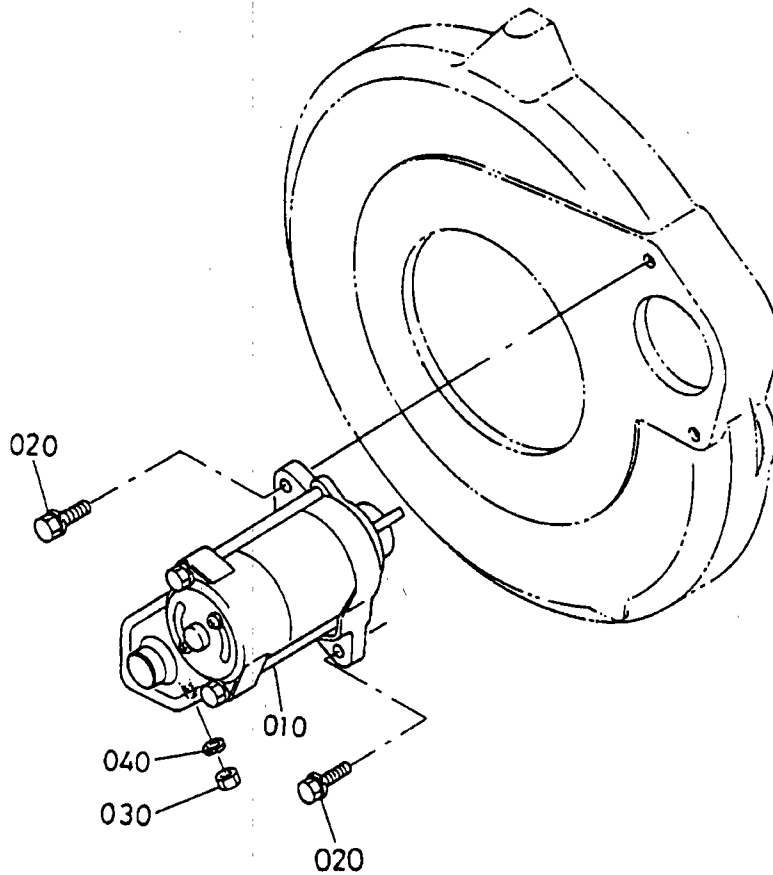


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5441	1	Alternator Assy (Includes Parts Marked *)
020	185-5767	1	*Pulley, Alternator
030	185-5768	1	*Nut
040	185-5769	1	*Collar
050	185-5770	1	*Rotor
060	185-5771	1	*Cover, Bearing
070	185-5772	1	*Bearing, Ball
080	185-6187	1	*Washer, Thrust
090	185-5773	1	*Frame, End - Drive
100	185-5774	1	*Plate, Retainer
110	185-5775	4	*Screw, Head - Round
120	185-5776	2	*Bolt, Through
130	185-5777	1	*Bearing, Ball
140	185-5778	1	*Frame, End
150	185-5779	1	*Cover, End

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
160	185-5780	1	*Rectifier Assy
170	185-5781	1	*Bushing, Insulation
180	185-5782	1	*Holder, Brush
190	185-5783	2	*Brush
200	185-5784	2	*Spring, Brush
210	185-5785	2	*Screw, Head - Round
220	185-5786	6	*Screw, Head - Round
230	185-5787	1	*Screw, Head - Round
240	185-5788	3	*Bolt
250	185-5789	2	*Nut
260	185-5790	2	*Bolt
270	185-2961	1	*Nut
280	185-5791	1	*Regulator Assy

* - Included in Alternator Assy

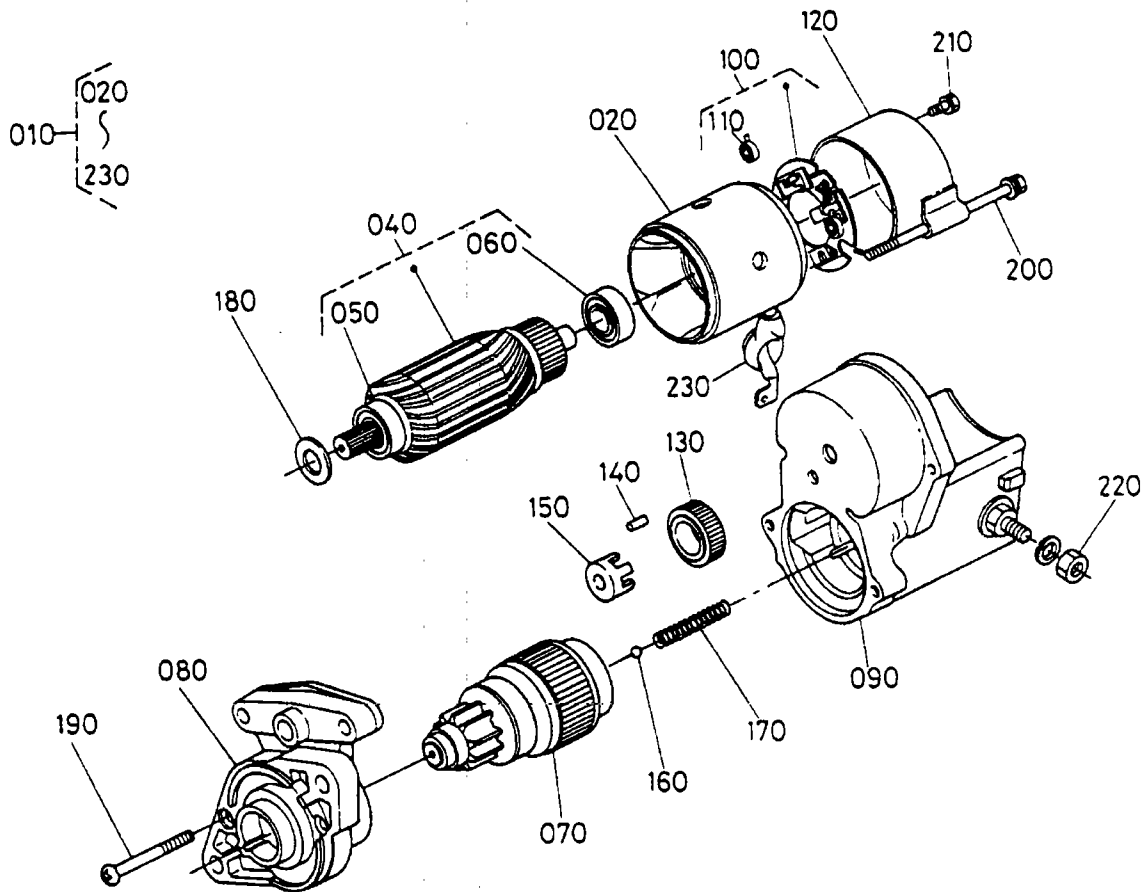
Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5456	1	Starter Assy (12V) (See Separate Page for Components)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
020	185-2404	2	Bolt
030	185-2366	1	Nut
040	185-2381	1	Washer, Spring

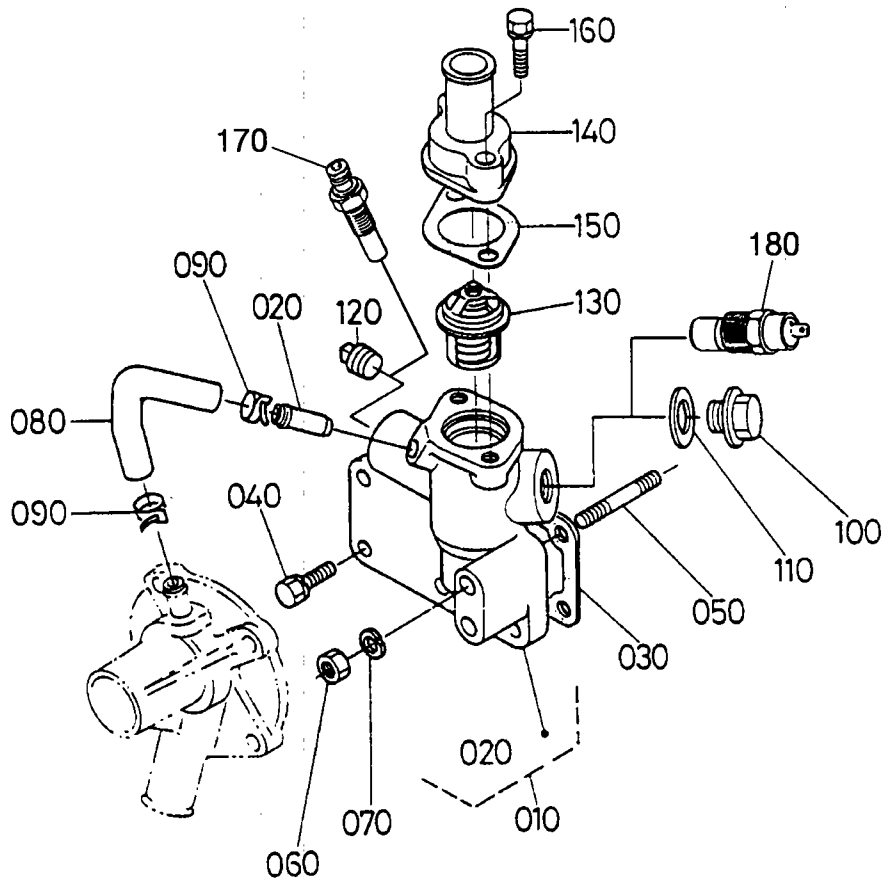
Starter (Components)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5456	1	Starter Assy (Includes Parts Marked *)	140	185-6361	5	*Roller
020	185-6352	1	*Yoke	150	185-6362	1	*Retainer
040	185-6353	1	*Armature (Includes Bearings)	160	185-6363	1	*Ball
050	185-6441	1	*Bearing, Ball	170	185-6364	1	*Spring
060	185-6442	1	*Bearing, Ball	180	185-6365	1	*Washer, Felt
070	185-6354	1	*Clutch	190	185-6366	2	*Screw, Cross Recessed - Pan Head
080	185-6355	1	*Housing	200	185-6367	2	*Bolt, Through
090	185-6356	1	*Switch, Magnetic	210	185-6368	2	*Bolt
100	185-6357	1	*Holder, Brush (Includes Brush Springs)	220	185-6369	1	*Nut, Hex
110	185-6358	4	*Spring, Brush	230	185-6443	1	*Cover, Cord
120	185-6359	1	*Frame, End				
130	185-6360	1	*Gear				

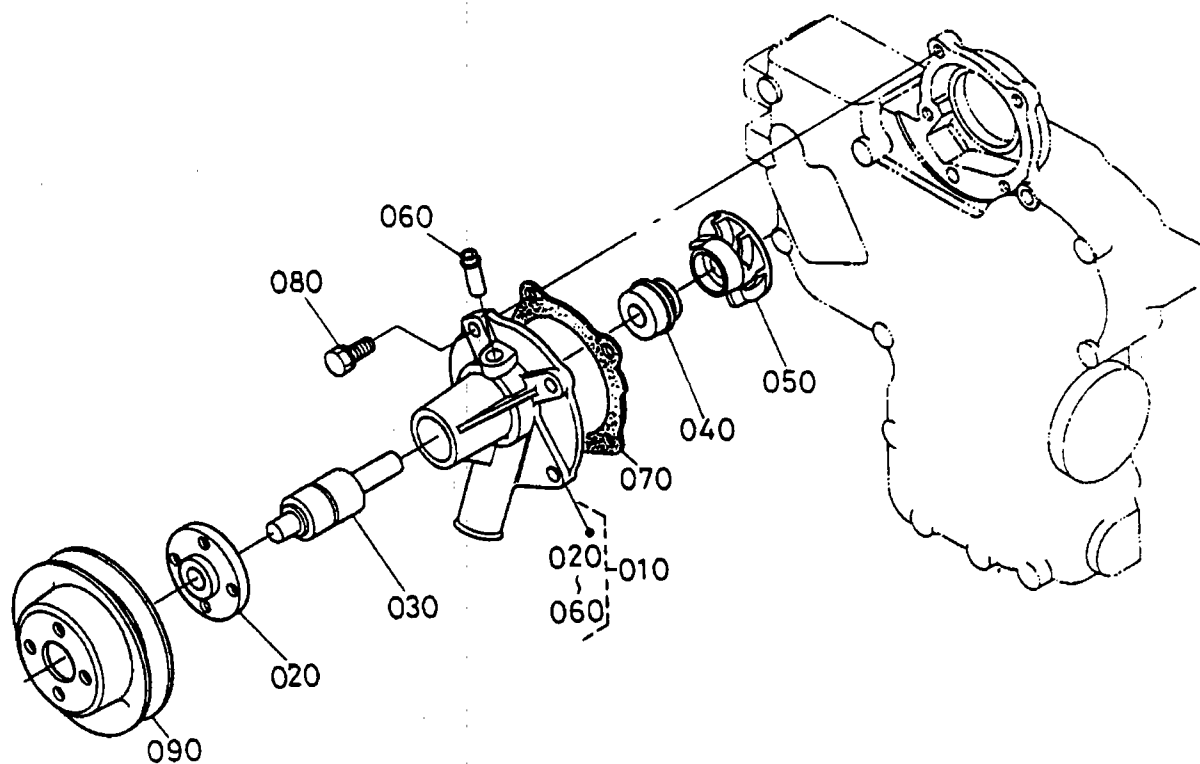
* - Included in Starter Assy.

Water Flange



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6444	1	Flange Assy, Water (Includes Water Return Pipe)	110	185-6104	1	Washer, Rubber
020	185-6445	1	Pipe, Return - Water	120	185-5826	1	Plug
030	185-2175	1	Gasket, Flange - Water	130	185-5435	1	Thermostat
040	185-2388	5	Bolt	140	185-2423	1	Cover, Thermostat
050	185-2360	1	Stud	150	185-6447	1	Gasket, Thermostat
060	185-4255	1	Nut	160	185-2393	2	Bolt
070	185-2380	1	Washer, Spring	170	193-0318	1	*Sender, Water Temperature (E2)
080	185-6446	1	Pipe, Return - Water	180	309-0554	1	*Switch, High Water Temperature (S2)
090	185-5723	2	Band, Pipe				
100	185-6002	1	Plug				

Water Pump

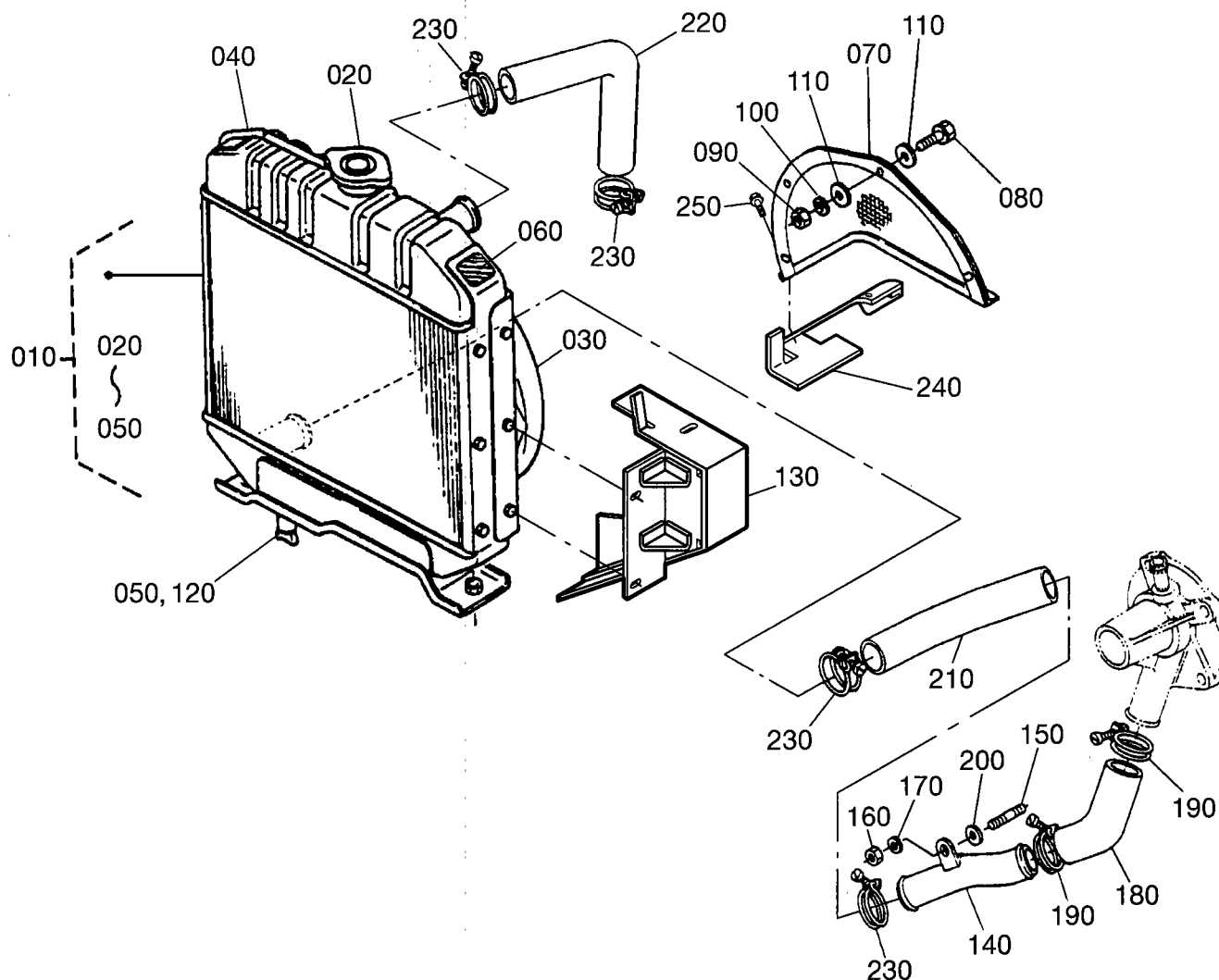


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6448	1	Pump Assy, Water (Includes Parts Marked *)
020	185-5712	1	*Flange, Pump – Water
030	185-6449	1	*Bearing
040	185-6450	1	*Seal Assy, Mechanical
050	185-6451	1	*Impeller, Pump – Water
060	185-5716	1	*Pipe, Return – Water

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
070	185-2241	1	Gasket, Pump – Water
080	185-2391	4	Bolt
090	185-2247	1	Pulley, Fan

* – Included in Water Pump Assy.

Radiator

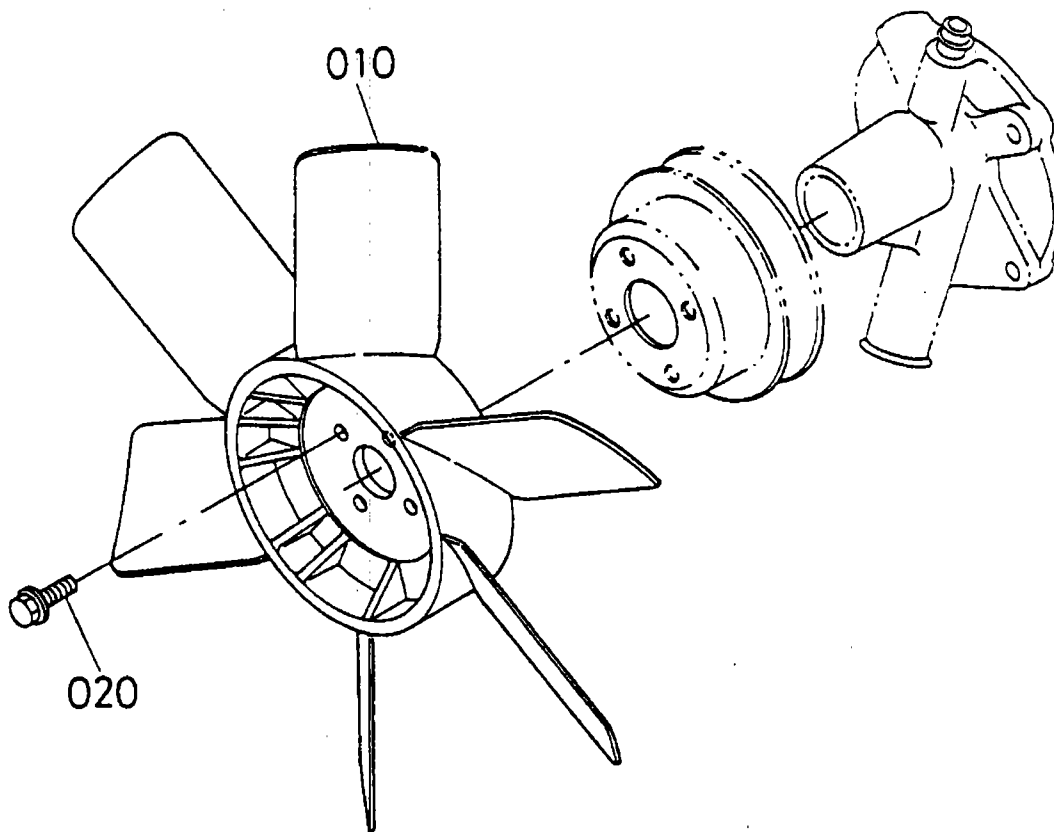


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-5457	1	Radiator Assy (Includes Parts Marked *)
020	185-2193	1	*Cap, Radiator
030	185-6452	1	*Shroud, Fan
040	185-2421	1	*Pipe, Overflow - Water
050	185-2476	1	*Cock, Drain
060	185-6333	1	Label, Radiator
070	185-6456	1	Cover, Fan
080	185-6340	4	Bolt
090	185-4255	4	Nut
100	185-2380	4	Washer, Spring
110	185-2376	8	Washer, Plain
120	185-5464	1	*Gasket, Drain - Radiator
130	130-4028	1	Guard, Belt (RH)
140	185-6457	1	Tube, Water

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
150	185-2465	1	Stud
160	185-4255	1	Nut
170	185-2380	1	Washer, Spring
180	185-2456	1	Hose, Water
190	185-2174	2	Clamp, Hose
200	185-2376	1	Washer, Plain
210	185-5460	1	Hose, Radiator - Lower
220	185-5459	1	Hose, Radiator - Upper
230	503-1137	4	Clamp, Hose
240	130-4031	1	Guard, Belt (LH)
250	815-0391	3	Screw, Slotted - Hex Locking (#10-32 x .50)

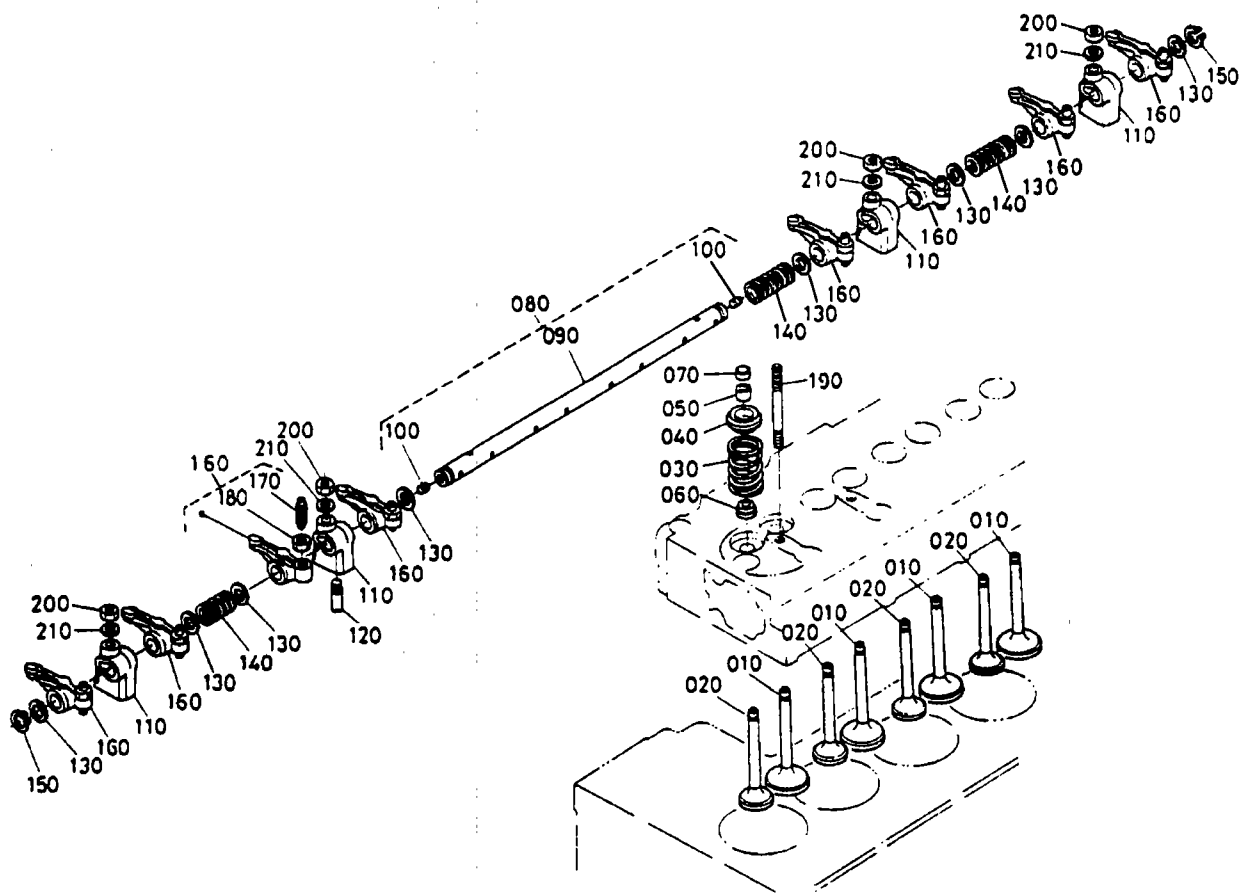
* - Included in Radiator Assy.

Fan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010			Fan
	185-6319	1	Spec 27798 (Pusher)
	130-4121	1	Spec 27799 (Suction)
020	185-2572	4	Bolt, Flange

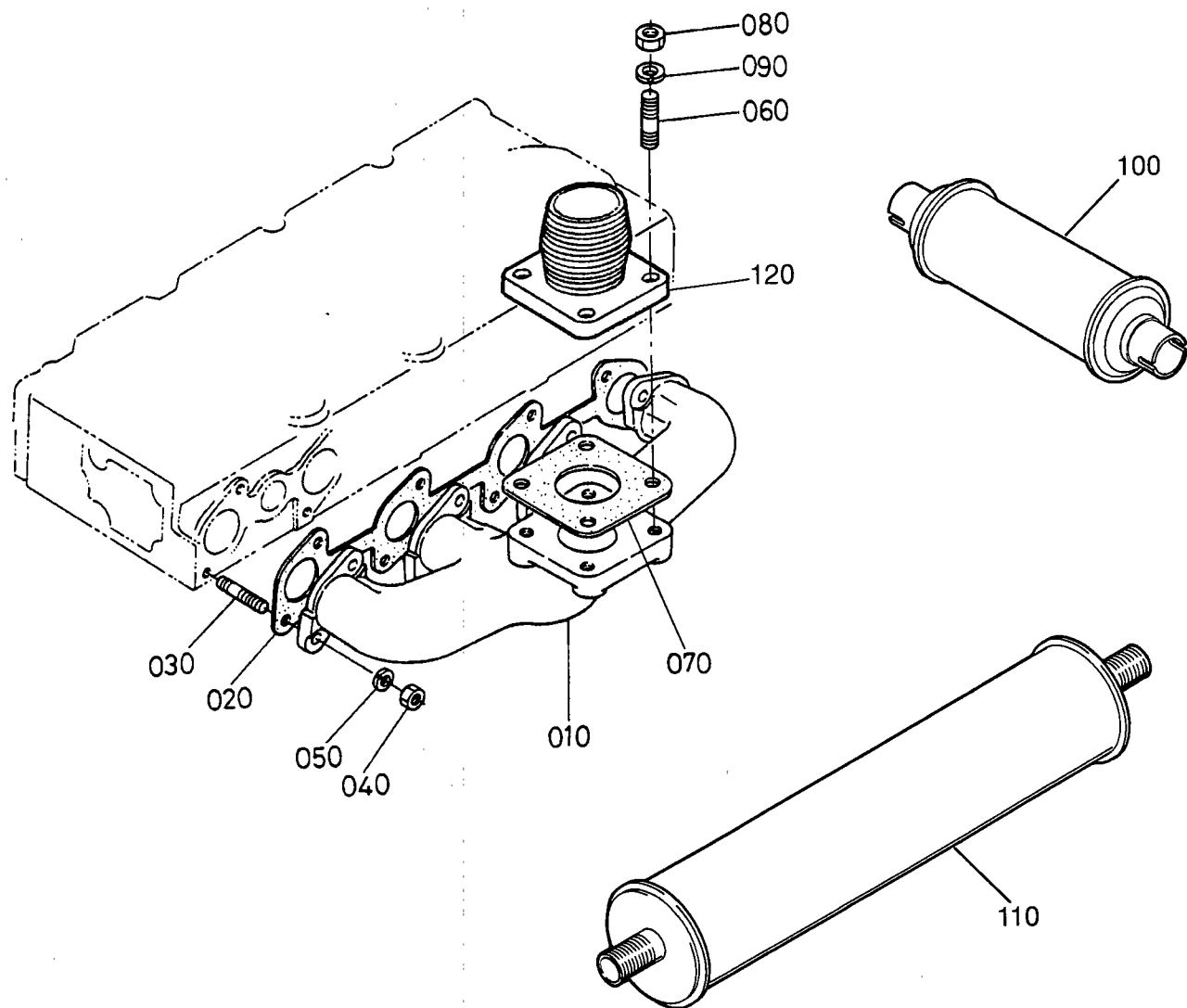
Valve – Rocker Arm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2060	4	Valve, Intake
020	185-2061	4	Valve, Exhaust
030	185-2079	8	Spring, Valve
040	185-6458	8	Retainer, Spring – Valve
050	185-2077	8	Collet, Spring – Valve
060	185-2078	8	Seal, Stem – Valve
070	185-6459	8	Cap, Valve
080	185-6266	1	Shaft Assy, Arm – Rocker (Includes Rocker Arm Shaft and Set Screw)
090	185-6460	1	Shaft, Arm – Rocker
100	185-6461	2	Screw, Set

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
110	185-2216	4	Bracket, Arm – Rocker
120	185-2072	1	Screw, Set – Rocker Arm
130	185-2073	8	Washer, Shaft – Rocker Arm
140	185-2070	3	Spring, Arm – Rocker
150	185-2368	2	Circlip, External
160	185-5467	8	Arm Assy, Rocker (Includes Adjusting Screw and Nut)
170	185-2407	8	Screw, Adjusting
180	185-2408	8	Nut
190	185-2292	4	Stud
200	185-2179	4	Nut
210	185-2184	4	Washer, Plain

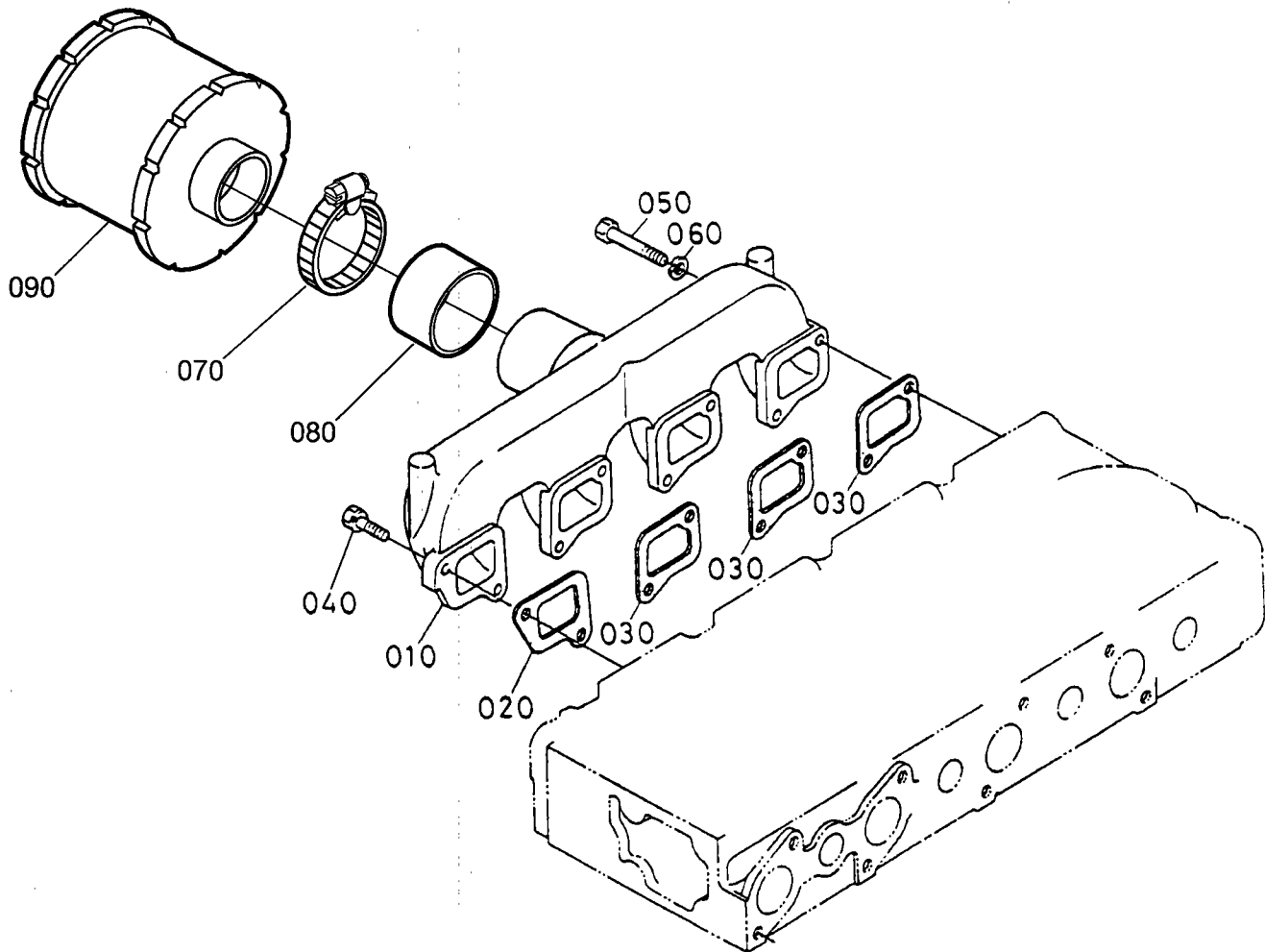
Exhaust Manifold



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6462	1	Manifold, Exhaust
020	185-6463	1	Gasket, Manifold - Exhaust
030	185-2227	8	Stud
040	185-4255	8	Nut
050	185-2380	8	Washer, Spring
060	185-2362	4	Stud
070	185-6464	1	Gasket, Muffler

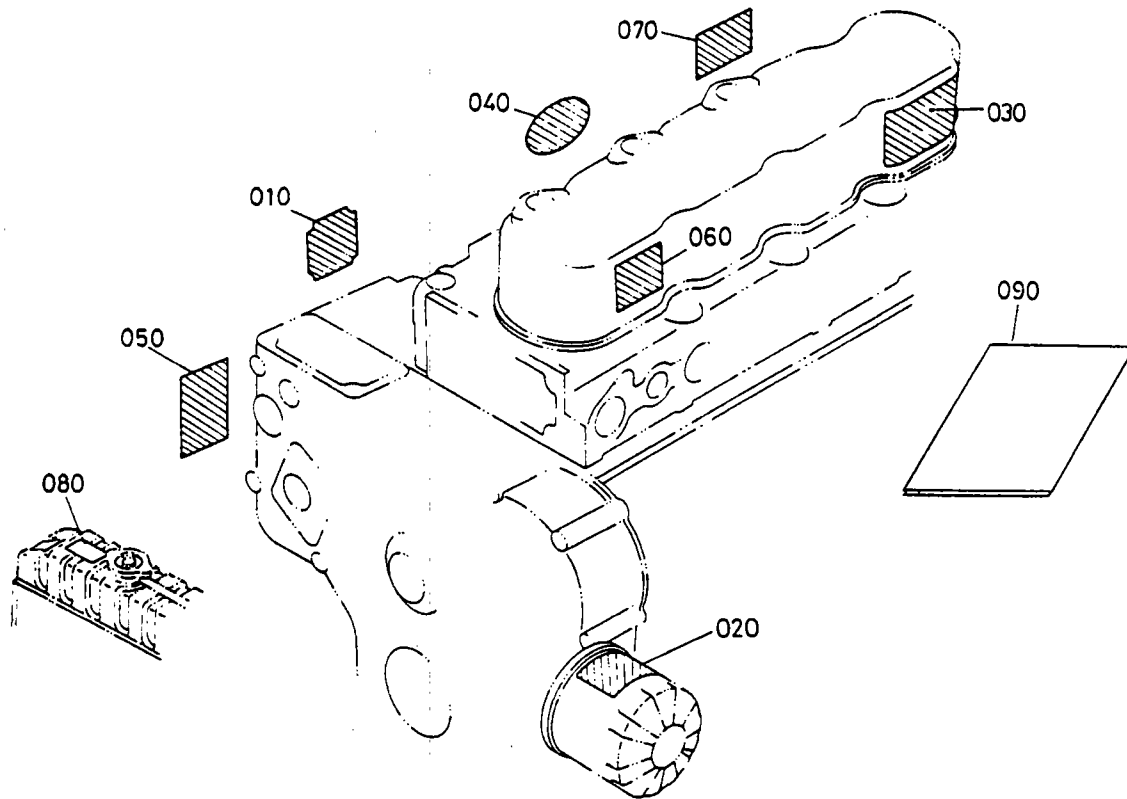
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
080	185-2366	4	Nut
090	185-2381	4	Washer, Spring
100	155-2653	1	Resonator, Exhaust
110	155-2262	1	Muffler, Arrestor - Spark
120	154-2852	1	Adapter, Manifold - Exhaust

Intake Manifold



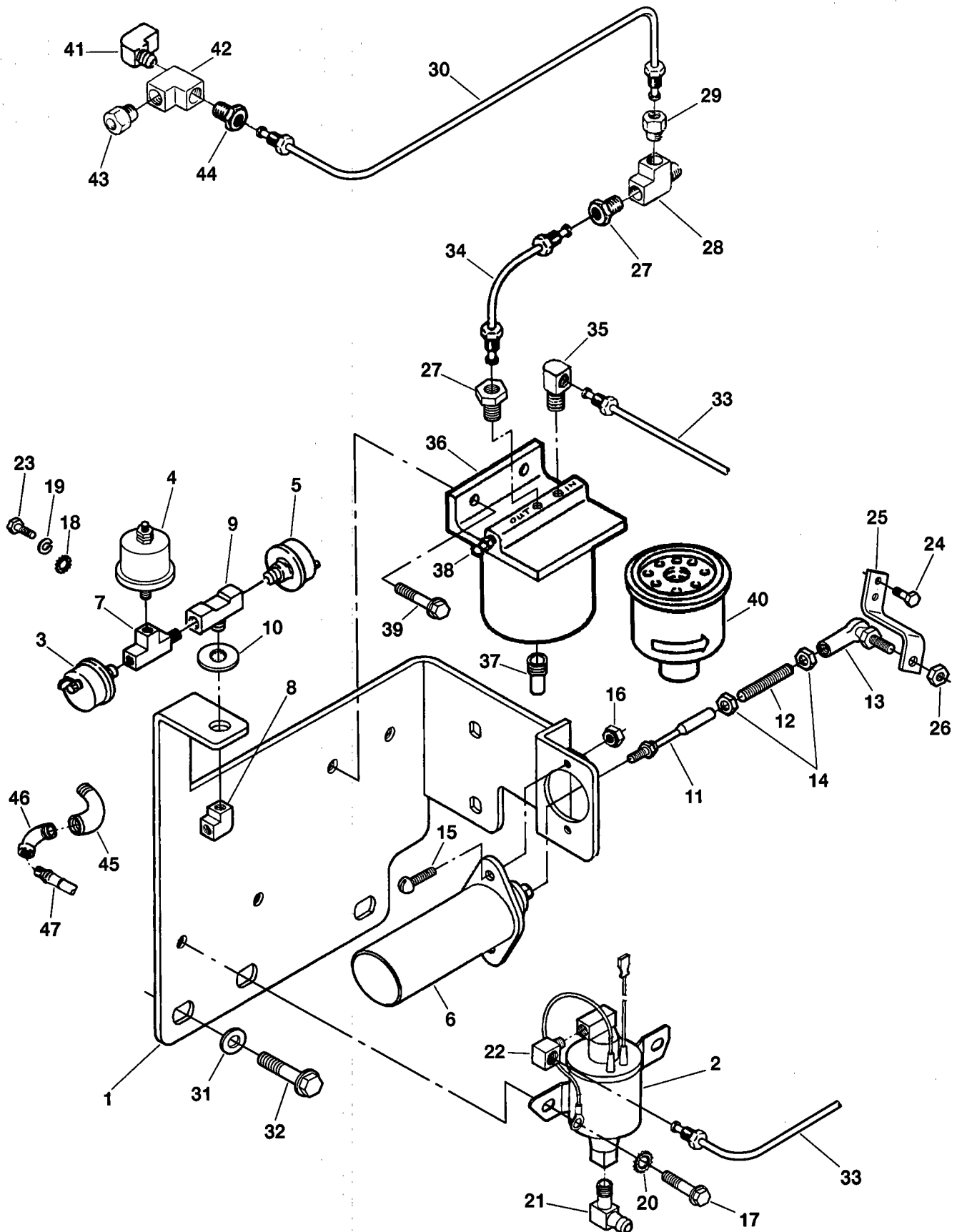
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-6261	1	Manifold, Intake	060	185-2380	3	Washer, Spring
020	185-6262	1	Gasket, Manifold - Intake	070	503-0465	1	Clamp, Hose
030	185-2130	3	Gasket, Manifold - Intake	080	140-2701	1	Sleeve, Intake - Air
040	185-2390	5	Bolt	090	140-2680	1	Cleaner, Air
050	185-6263	3	Bolt				

Labels (Engine)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
010	185-2285	1	Label, Caution	060	185-6350	1	Nameplate, Engine
020	185-2152	1	Label, Caution	070	185-5795	1	Label
030	185-2297	1	Label, Oil	080	185-5796	1	Label, Instruction
040	185-2298	1	Label, Caution	090	185-6465	1	Manual, Instruction
050	185-2341	1	Label, Caution - Drain				

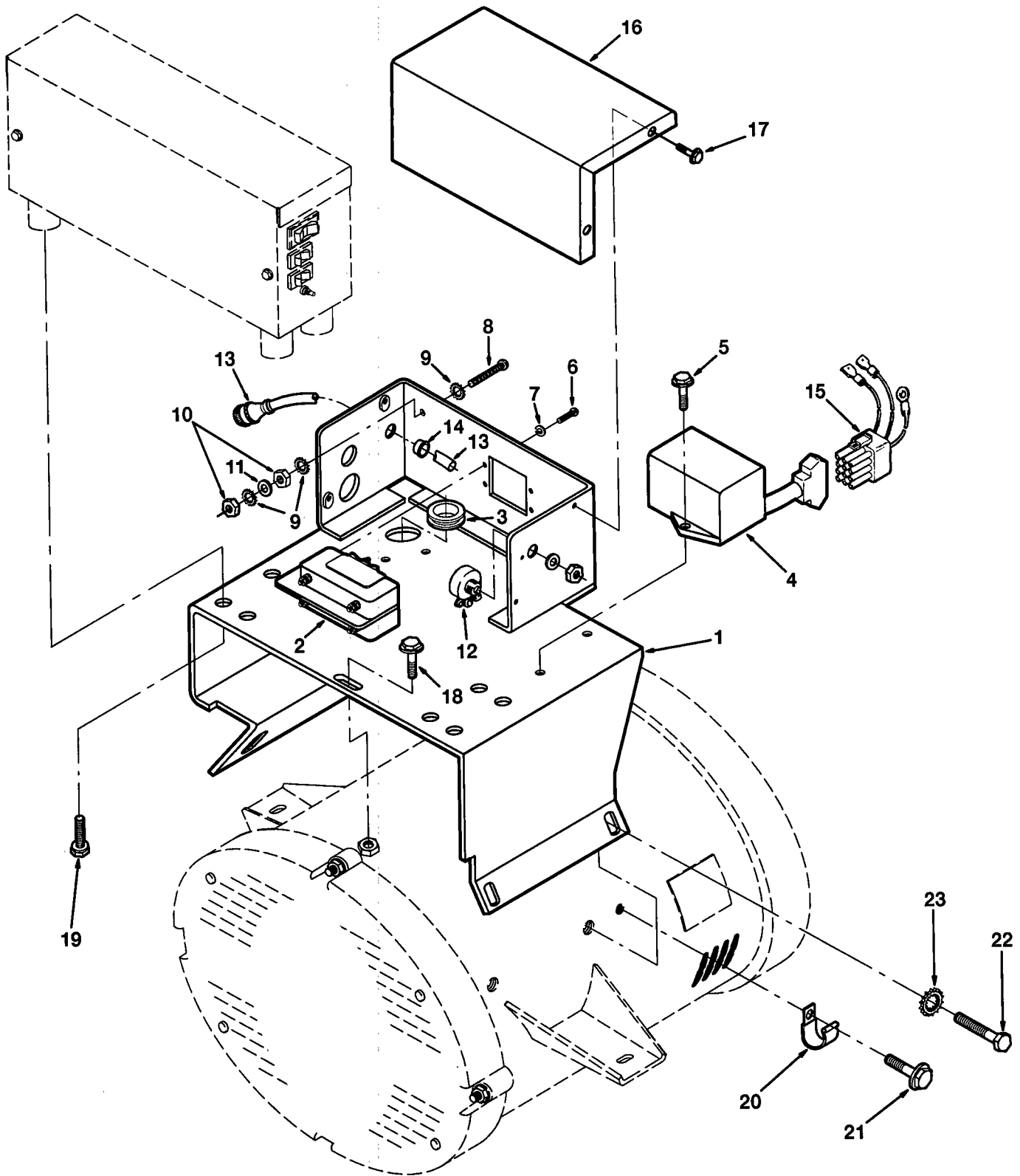
Stop Solenoid, Fuel Pump, Fuel Filter Oil Sender and Oil Switches



Stop Solenoid, Fuel Pump, Fuel Filter Oil Sender and Oil Switches

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2508	1	Bracket, Solenoid - Stop	25	150-1991	1	Lever, Stop Solenoid
2	149-2331	1	Pump, Fuel (E5)	26	115-0025	1	Nut, Hex (1/4-28)
3	309-0561-05	1	Switch, Pressure - Oil (S1) (9 lbs Closing)	27	502-0003	2	Connector, Inverted Male
4	193-0244	1	Sender, Pressure - Oil (E1)	28	502-0242	1	Tee, Restricted (1/8)
5	309-0159	1	Switch, Pressure - Oil (S6) (4 lbs Closing)	29	502-0028	1	Plug, Hex Head (1/8)
6	307-2546	1	Solenoid, Stopping (K1)	30	149-2365	1	Line, Fuel Return
7	502-0058	1	Tee, Pipe (1/8)	31	526-0313	2	Washer, Flat
8	502-0005	1	Elbow, Female - Inverted	32	800-3004	2	Screw, Locking Head (M10 x 1.5 x 22)
9	502-0057	1	Tee, Pipe (1/8)	33	149-2347	1	Line, Fuel Pump to Filter
10	854-0023	1	Washer, Lock - IT (7/16)	34	149-2346	1	Line, Fuel Filter
11	150-1733	1	Joint, Ball	35	502-0041	1	Elbow, Inverted Male
12	520-0939	1	Stud, Solenoid	36	149-2100	1	Filter Assy (Includes Plug, Element and Base)
13	150-1995	1	Joint, Ball	37	502-0028	1	Plug, Drain - Fuel Filter
14	115-0025	2	Nut, Hex (1/4-28)	38	149-2234	1	Vent, Air - Fuel Filter Base
15	813-0100	2	Screw, Machine - Round Head (#10-32 x .62)	39	821-0016	2	Screw, Locking Head (5/16-18 x 3/4")
16	870-0131	2	Nut, Hex w/ET (#10-32)	40	149-2106	1	Element, Fuel Filter
17	821-0018	2	Screw, Locking Head (1/4-20 x .62")	41	502-0886	1	Elbow, Female (3/16-90')
18	856-0008	1	Washer, Lock - EIT (5/16)	42	502-0242	1	Tee, Restricted (1/8)
19	850-2008	1	Washer, Lock (M8)	43	502-0020	1	Plug, Hex (1/8)
20	856-0006	2	Washer, Lock - EIT (1/4)	44	502-0273	2	Connector, Inverted Male (1/8)
21	502-0313	1	Elbow (1/8 NPT x 1/4 ID)	45	505-1342	1	Elbow, Street (1/8 x 90')
22	502-0002	1	Elbow, Male - Inverted	46	505-0049	1	Elbow, Street (1/8 x 90')
23	718-1036	1	Screw, Cap - Hex Head	47	501-0004	1	Line, Fuel - Flexible
24	815-0181	2	Screw, Hex Head Cap (#10-32 x 1/2)				

AC Control

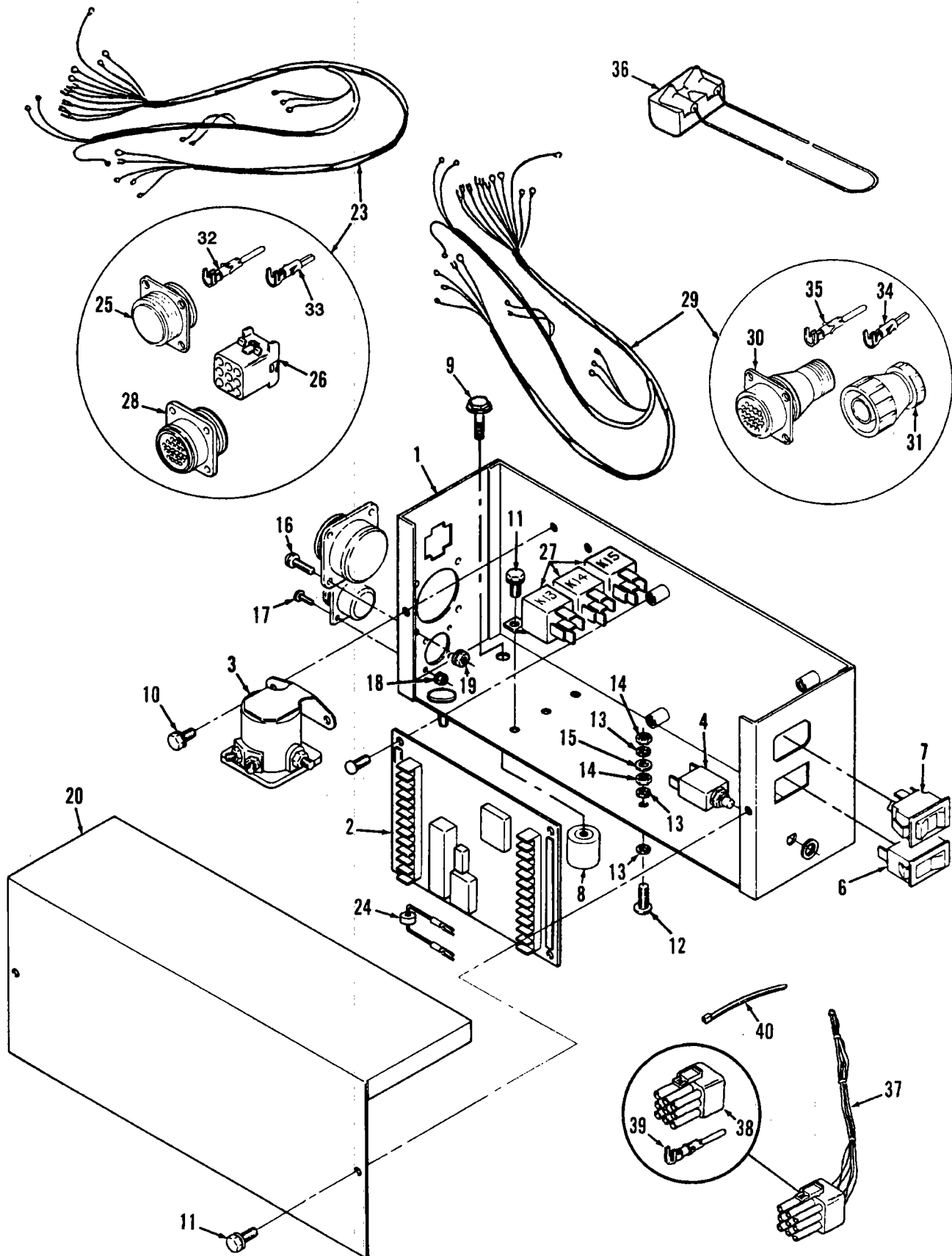


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AC Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1403	1	Box Assy, Control	14	508-0198	1	Bushing, Relief - Strain
2	320-1689-07	1	Breaker, Circuit (45 Ampere) (CB1, CB2)	15	338-2730	1	Harness, Regulator (J4)
3	508-0278	1	Grommet	16	319-1404	1	Cover, Control - AC
4	305-0833	1	Regulator, Voltage (VR1)(P4)	17	821-0004	4	Screw, Locking Head (#10-32 x .31")
5	821-0005	2	Screw, Locking Head (#10-32 x .50")	18	821-0009	1	Screw, Hex Flange - Locking (1/4-20 x 3/8")
6	812-0061	4	Screw, Machine - Round Head (#6-32 x .38")	19	821-0014	4	Screw, Hex Flange - Locking (5/16-18 x 1/2")
7	850-0020	4	Washer, Lock - Spring (#6)	20	518-0515	1	Clip, Wire
8	810-0155	1	Screw, Machine - Round Head Brass (1/4-20 x 1-1/4")	21	815-0261	1	Screw, Hex Washer Head - Thread Forming (1/4-20 x 1/2")
9	856-0006	3	Washer, Lock - EIT (1/4)	22	815-0236	4	Screw, Cap - Hex Head (5/16-18 x 5/8")
10	871-0016	2	Nut, Hex - Brass (1/4-20)	23	856-0008	4	Washer, Lock - EIT (5/16")
11	526-0052	1	Washer, Flat (1/4)				
12	303-0300	1	Potentiometer (R1)				
13	338-2093	1	Harness, Wiring				

DC Control



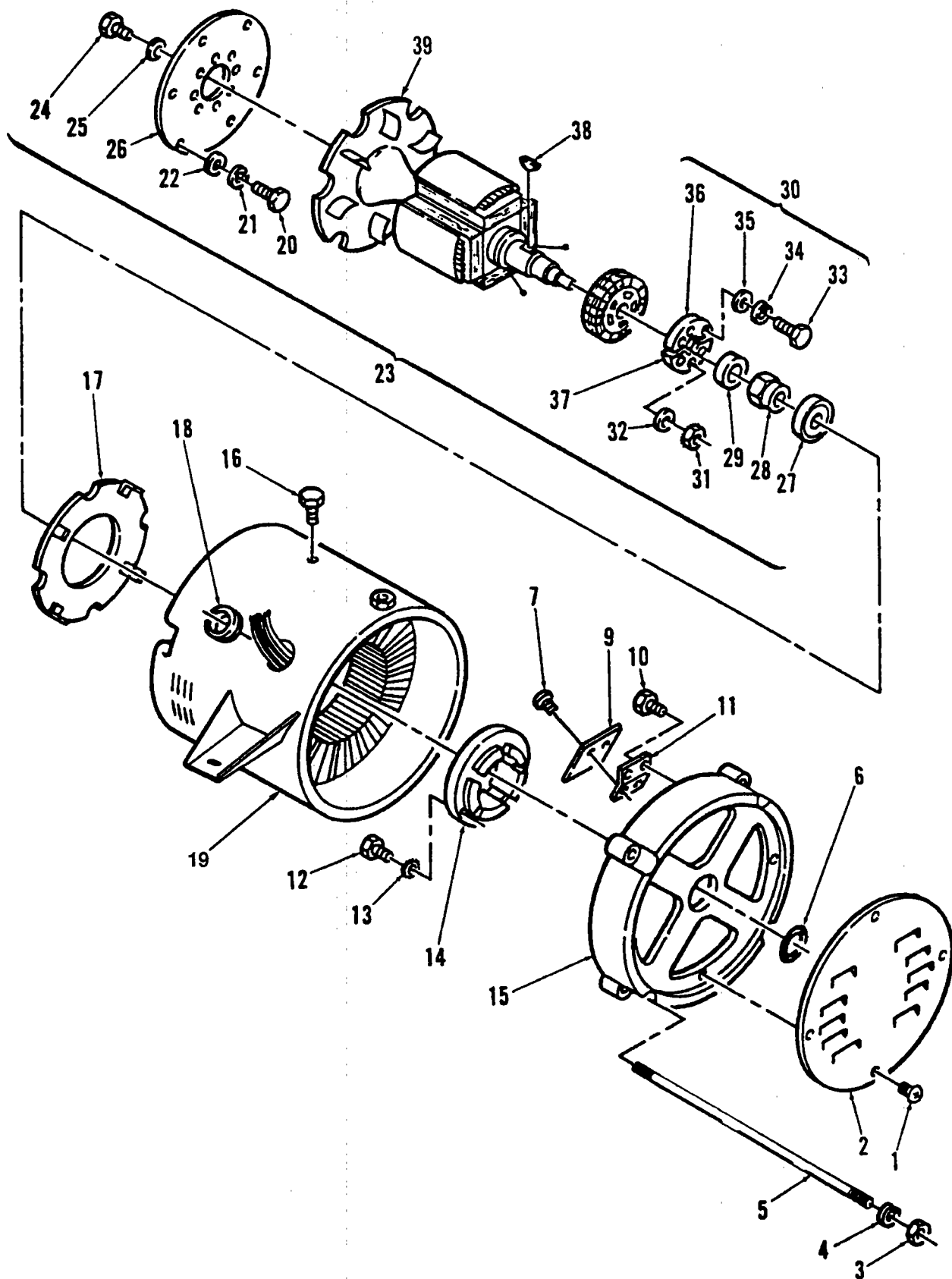
DC Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1619	1	Box, Control (DC)	20	301-9883	1	Cover, Control
2	300-2604	1	Board Assy, Circuit - Printed (A11)	23	338-2828	1	Harness, Wiring (Includes Parts Marked *)
3	307-1617	1	Relay, Solenoid - Start (K11)	24	357-0088	1	Rectifier (CR2)
4	320-1141	1	Breaker, Circuit - Fault Stop (.5 Amp) (CB12)	25	323-1384	1	* Receptacle, Circular (J1)
5				26	323-1325	1	* Cap, Connector (J3)
6	320-1140	1	Breaker, Circuit - Control (15 Amp) (CB11)	27	307-1886	3	Relay (K13, K14 & 15)
7	308-0739	1	Switch, Start-Stop (S11)	28	323-1206	1	* Receptacle, Circular (J2)
8	402-0078	4	Isolator, Vibration	29	338-2781	1	Harness, Engine (Includes Parts Marked +)
9	821-0014	4	Screw, Locking Head (5/16-18 x 1/2")	30	323-1207	1	+ Plug, Circular (J2)
10	821-0008	2	Screw, Locking Head (1/4-20 x .31")	31	332-2304	1	+ Clamp, Cable
11	821-0004	5	Screw, Locking Head (#10-32 x .31")	32	323-1194	15	* Pin, Male (Used with J1 and J2 Receptacles)
12	810-0155	1	Screw, Machine - Round Head Brass (1/4-20 x 1-1/4")	33	323-1200	5	* Socket, Contact (Used with J2, J3 Cap)
13	856-0006	3	Washer, Lock - EIT (1/4)	34	323-1200	2	+ Socket, Contact
14	871-0016	2	Nut, Hex - Brass (1/4-20)	35	323-1195	13	+ Socket, Female
15	526-0052	1	Washer, Flat (1/4)	36	320-1658	1	Breaker, Circuit (CB13)
16	815-0544	8	Screw, Machine - Round Head (#6-32 x 1/2")	37	338-2102	1	Harness, Remote (Includes Plug and Contact Pins)
17	812-0029	4	Screw, Machine - Round Head (#4-40 x 3/8")	38	323-1291	1	Plug, 9 Pin (J3)
18	870-1220	4	Nut, Hex w/ET (#4-40)	39	323-1199	9	Pin, Contact
19	870-0183	4	Nut, Hex w/ET (#6-32)	40	332-0941	1	Tie, Cable

* - Parts Included in Wiring Harness.

+ - Parts Included in Wiring Harness.

Generator



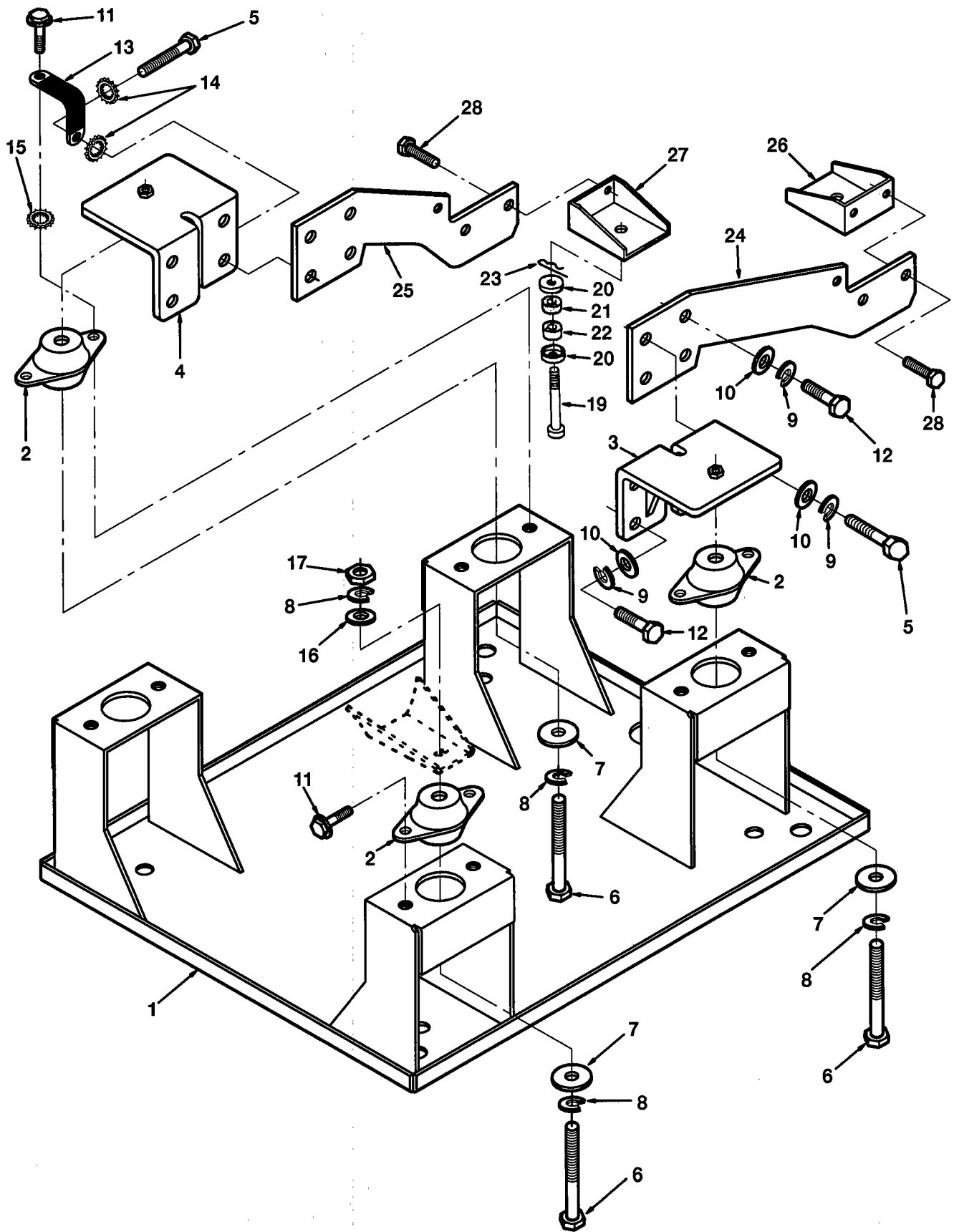
Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0004	4	Screw, Machine – Round Head (#10-32 x .31)	23	201-3131	1	Rotor Assembly (Includes Parts Marked *)
2	234-0767	1	Cover, Endbell	24	800-0519	6	*Screw, Cap – Hex Head (3/8-16 x 3/4")
3	862-0011	4	Nut, Hex (3/8-16)	25	526-0390	6	*Washer, Flat (3/8") – Hardened
4	850-0050	4	Washer, Lock – Spring (3/8")	26	232-2826	1	*Disc, Rotor Drive
5	520-0937	4	Stud	27	510-0112	1	*Bearing, Ball
6	509-0094	1	Seal, "O" Ring	28	870-0284	1	*Nut, Hex – Self Locking (1-1/8-12)
7	815-0181	2	Screw, Hex Head Cap (#10-32 x 1/2")	29	232-3017	1	*Spacer, Sleeve
9	232-2418	1	Board, Terminal	30	201-2151	1	*Rotor Assembly, Exciter (Includes Parts Marked #)
10	815-0194	2	Screw, Hex Head Cap w/ET (#10-32 x 3/8")	31	870-0131	8	#* Nut, Hex w/ET (#10-32)
11	232-3038	1	Bracket, Board – Terminal	32	526-0008	10	#*Washer, Flat (#10)
12	802-0038	2	Screw, Socket Head (1/4-20 x 1-1/2")	33	813-0100	4	#*Screw, Machine – Round Head Steel (#10-32 x 1/2")
13	853-0013	2	Washer, Lock – External Tooth	34	853-0008	4	#*Washer, Lock – ET (#10)
14	220-2009	1	Stator, Exciter	35	526-0008	2	*Washer, Flat (#10)
15	211-0370	1	Endbell	36	358-0069	1	#*Rectifier Assembly – Positive
16	815-0181	4	Screw, Cap – Hex Head w/ET (#10-32 x 1/2")	37	358-0070	1	#*Rectifier Assembly – Negative
17	234-0766	1	Baffle, Air	38	515-0094	1	*Key, Woodruff (#6)
18	508-0183	1	Grommet (1-1/2"ID x 2-1/8"OD)	39	205-0131	1	*Fan, Generator
19	220-4323-03	1	Stator, Generator (Elect Code FJ)				
20	718-1035	6	Screw, Cap – Hex Head (M8 x 1.25 x 16)				
21	850-2008	6	Washer, Lock – Spring (M8)				
22	526-0115	6	Washer, Flat (M8)				

* – Parts Included in Rotor Assembly

– Parts Included in Exciter Rotor Assembly

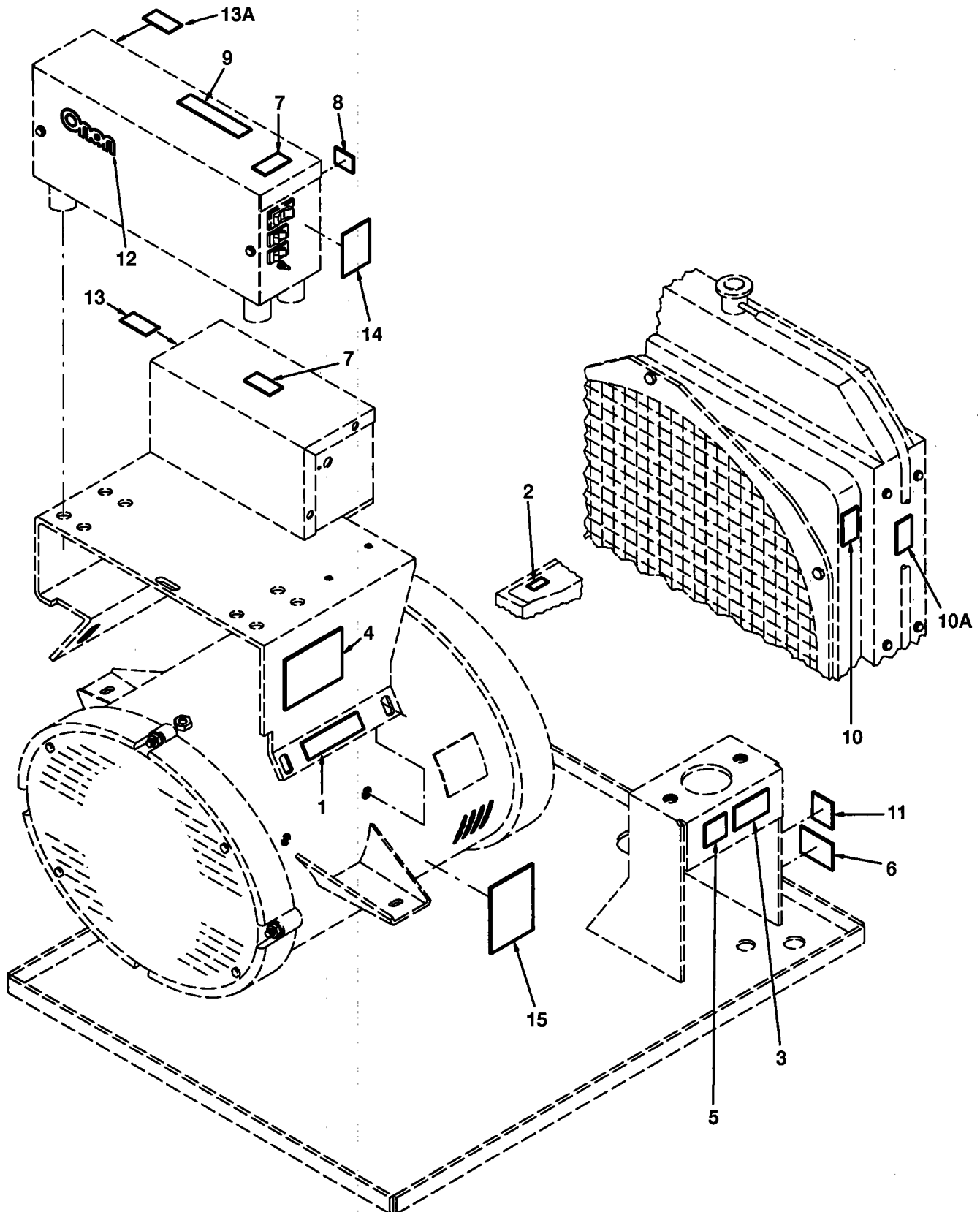
Mounting Frame



Mounting Frame

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	234-0926	1	Pan, Drip	14	856-0012	2	Washer, Lock – EIT (7/16")
2	402-0653	4	Isolator, Vibration	15	856-0010	1	Washer, Lock – EIT (3/8")
3	403-3351	1	Bracket, Engine Mounting (LH)	16	526-0398	2	Washer, Flat (3/8")
4	403-3350	1	Bracket, Engine Mounting (RH)	17	862-0003	2	Nut, Hex (3/8-16)
5	800-3005	4	Screw, Cap – Hex Head (M10 x 1.5 x 35)	19	185-6329	2	Bolt
6	800-0057	4	Screw, Cap – Hex Head (3/8-16 x 2-1/2)	20	185-6330	4	Washer
7	526-0398	4	Washer, Flat	21	185-6331	2	Cushion
8	850-0050	6	Washer, Lock – Spring (3/8")	22	185-6334	2	Cushion
9	850-2010	12	Washer, Lock – Spring (M10)	23	185-6332	2	Pin, Snap
10	526-0141	11	Washer, Flat (M10)	24	185-6453	1	Bracket, Mounting – Radiator (LH)
11	821-0030	8	Screw, Locking Head (3/8-16 x 1.0")	25	185-6336	1	Bracket, Mounting – Radiator (RH)
12	815-0600	8	Screw, Hex Head Cap (M10 x 1.5 x 25)	26	185-6454	1	Support, Radiator
13	337-0081	1	Strap, Ground	27	185-6455	1	Support, Radiator
				28	185-2402	4	Bolt

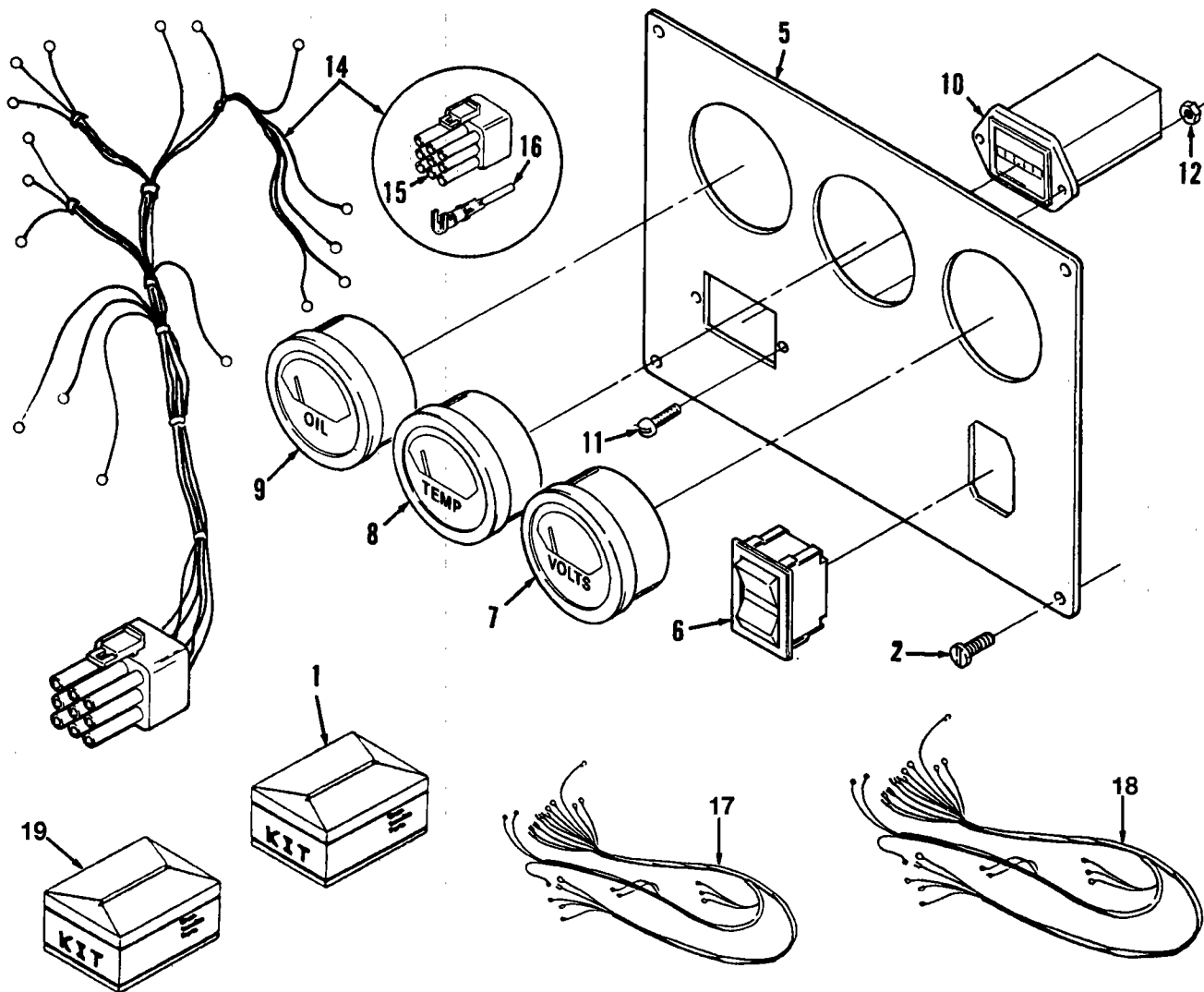
Labels and Decals (Generator)



Labels and Decals (Generator)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	98-2235	1	Decal, Ground (Far Side Only)	9	98-5338	1	Label, NO STEP
2	98-5162-01	1	Label, Fuel Line Support (On Intake Manifold)	10	98-5393	1	Label, Warning
3	98-6505-02	1	Decal, Oil Recommendations	10A	98-5393	1	Label, Warning (Far Side Only)
4	98-6504-02	2	Decal, Model Identification (Far Side Also)	11	98-6388-02	1	Label, Phone Information (Service Parts)
5	98-5400	1	Label, Listed	12	98-5674-06	1	Decal, ONAN Logo
6	98-6074-02	1	Label, Warning (Toxicity – State/Federal)	13	98-6373-01	1	Decal, Reconnection (Inside AC Control Box Cover)
7	98-5347	2	Label, Danger (High Voltage)	13A	98-6573-02	1	Decal, Reconnection (Inside DC Control Box Cover)
8	98-5755	1	Label, Warning (Hazardous Voltage Backfeed) (Mounted on Inside of DC Control Box)	14	98-6563	1	Decal, Control – DC
				15	98-4798-01	1	Nameplate

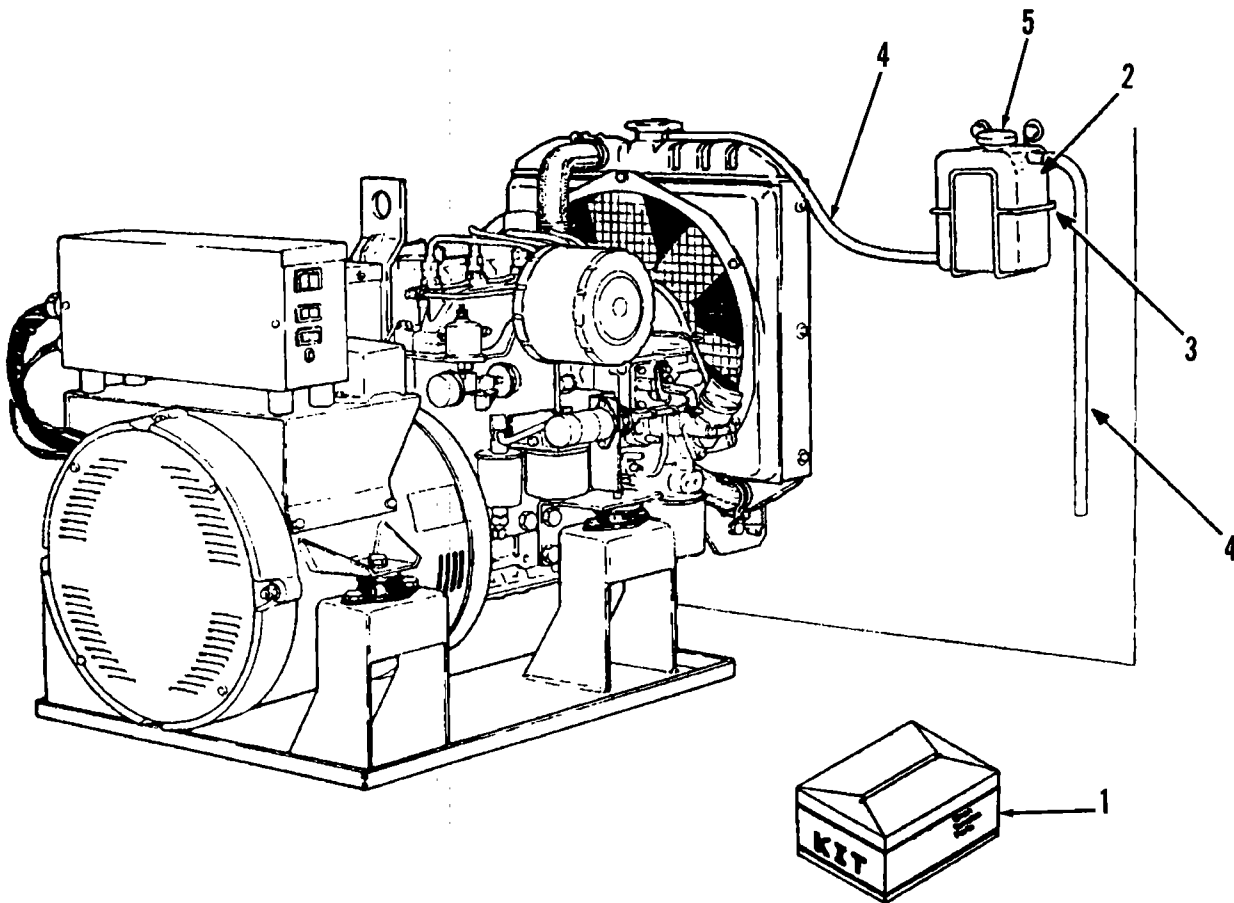
Remote Control DC Gauge Panel Kit



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3248-04	1	Panel Assembly, Remote Control (Includes Parts Marked *)	10	302-0885	1	*Meter, Time Totalizing
2	808-0023	4	Screw, Sheet Metal - Round Head (#8 x 1/2")	11	815-0385	2	*Screw, Machine - Round Head (#6-32 x 1/2")
5	319-0141	1	*Panel (without Decals)	12	870-0183	2	Nut, Hex - with ET (#6-32)
	98-5805	1	*Decal - Front	14	338-2222-02	1	*Harness, Wiring - Control Panel (Includes Housing and Pins)
	98-5761	1	*Decal - Rear	15	323-1291	1	*Housing, Connector (P4)
6	308-0827	1	*Switch, Rocker	16	323-1199	6	*Pin, Contact
7	302-1641	1	*Voltmeter (Includes Mounting Hardware) (M14)	17	338-2237	1	Harness, Wiring (15ft)
8	193-0351	1	*Gauge, Coolant Temperature (Includes Mounting Hardware) (M13)	18	338-2238	1	Harness, Wiring (25ft)
9	193-0352	1	*Gauge, Oil Pressure (Includes Mounting Hardware) (M12)	19	333-0274	1	Heater Kit, Tank - Engine

* - Parts Included in Remote Control Panel Assembly.

Coolant Tank



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3574	1	Recovery Kit, Coolant (Includes Parts Marked #)
	130-3573	1	#Hardware Package, Coolant Tank
2	130-3570	1	#Tank, Coolant - Recovery
3	130-3571	1	#Hanger, Tank

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	503-1692	1	#Hose (5/16ID x 120" Lg)
5	130-3572	1	#Cap, Tank

- Parts Included in 130-3574 Coolant Recovery Kit.

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