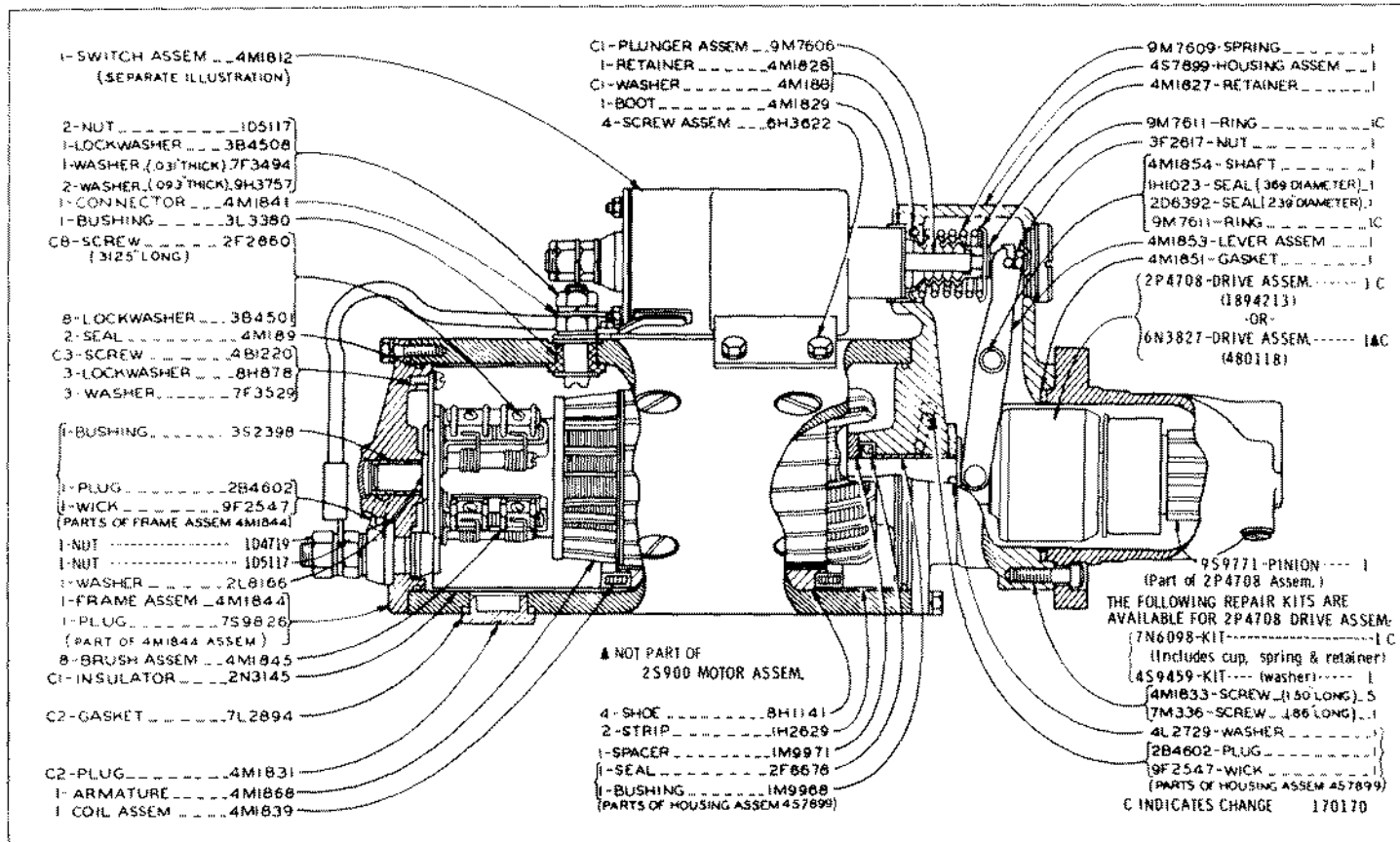
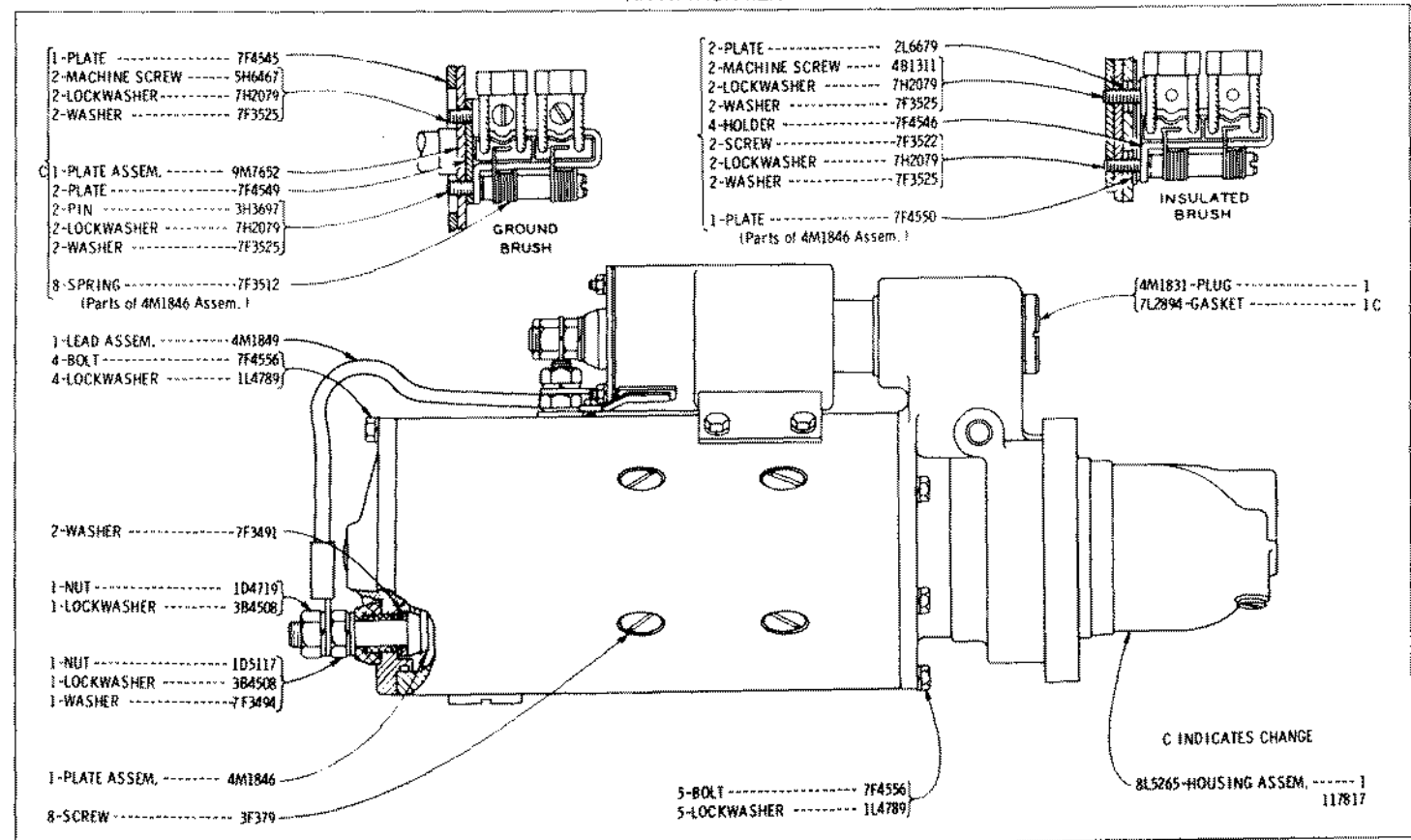
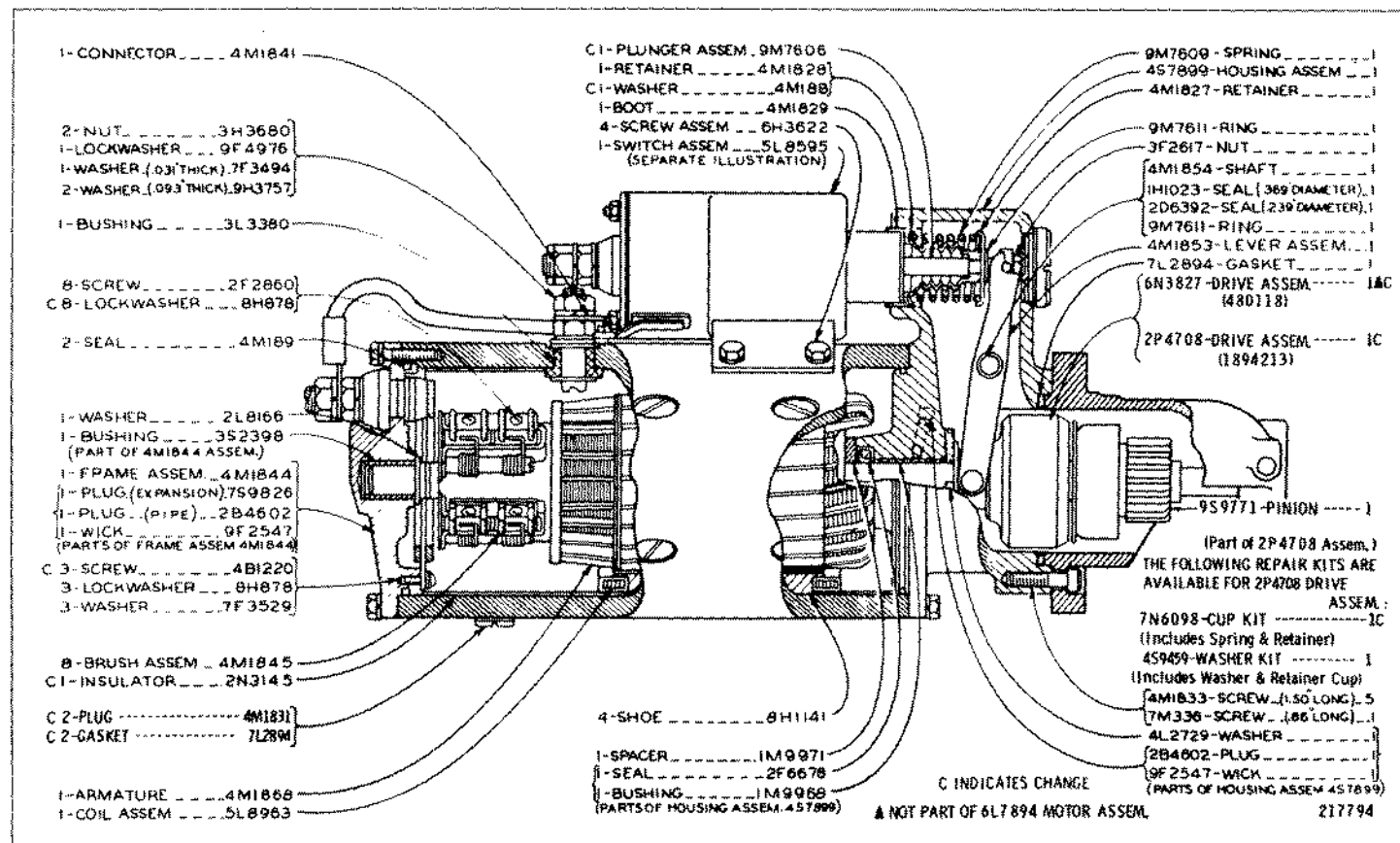




2S900 STARTING MOTOR ASSEMBLY—24 Volt—Part 1
Part of 9L5065, 3N519 & 5N4799 Starting Motor Groups shown on Pages 246, 247 & 247B
4M1812 Switch parts are shown on Page 264. AN ATTACHMENT

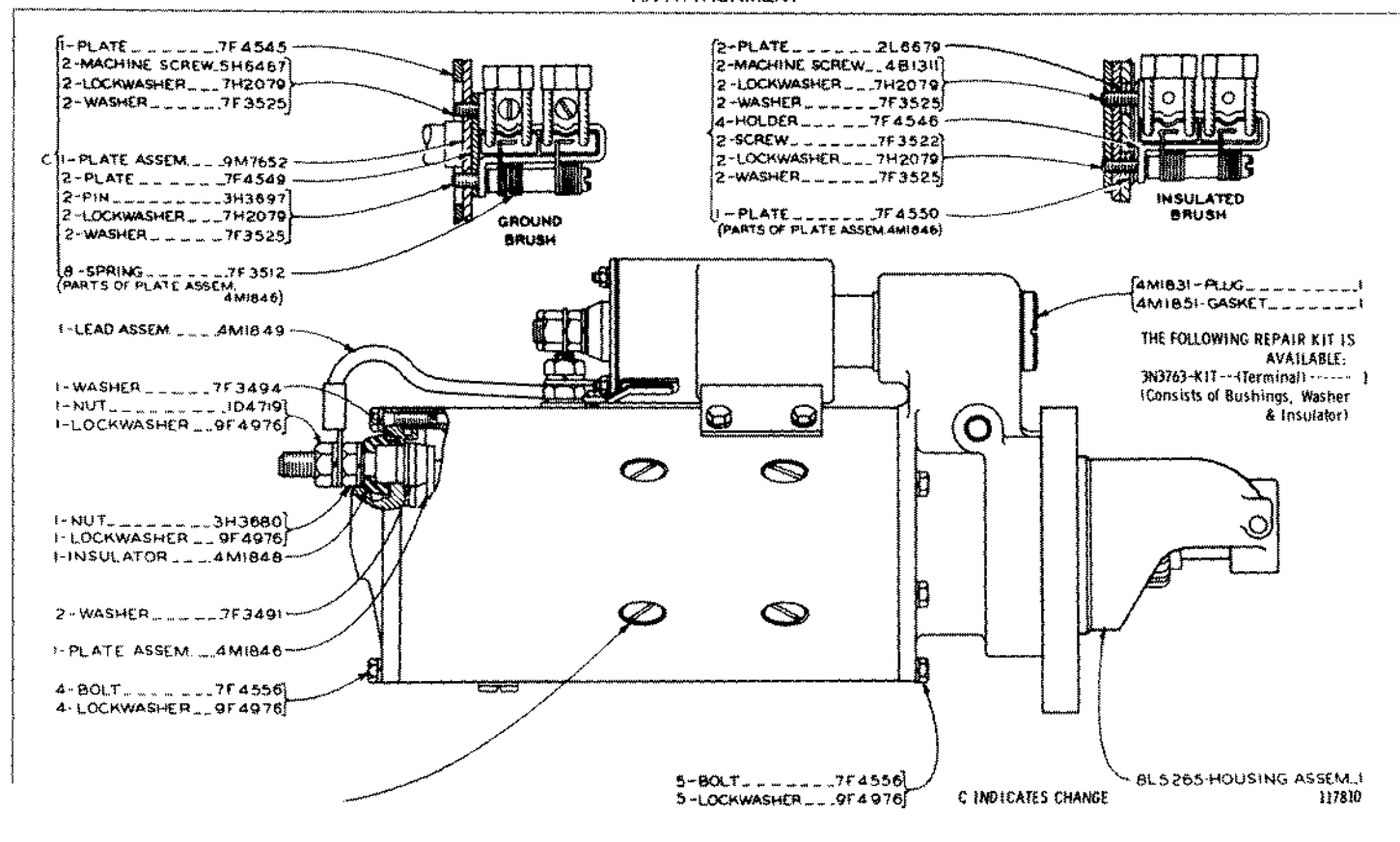
2S900 STARTING MOTOR ASSEMBLY—24 Volt—Part 2
 Part of 9L5065, 3N519 & 5N4799 Starting Motor Groups shown on Pages 246, 247 & 247B
 AN ATTACHMENT





6L7894 STARTING MOTOR GROUP—32 Volt—Part 1
Part of 4N4779 Electric Starting Motor Group shown on Page 247
5L8995 Switch parts are shown on Page 264. AN ATTACHMENT

6L7894 STARTING MOTOR GROUP—32 Volt—Part 2
Part of 4N4779 Electric Starting Motor Group shown on Page 247
AN ATTACHMENT

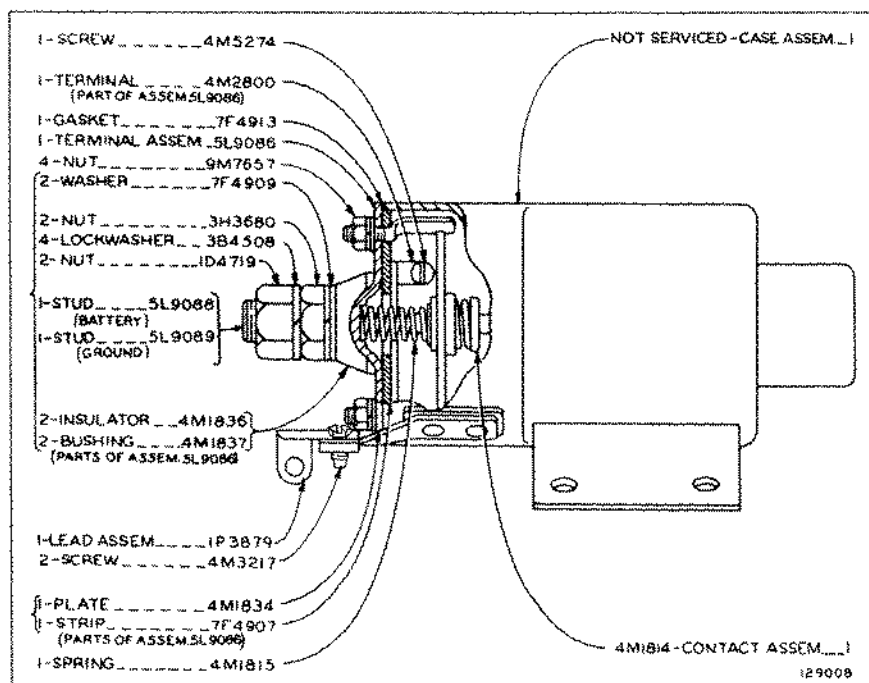


CONSISTS OF:

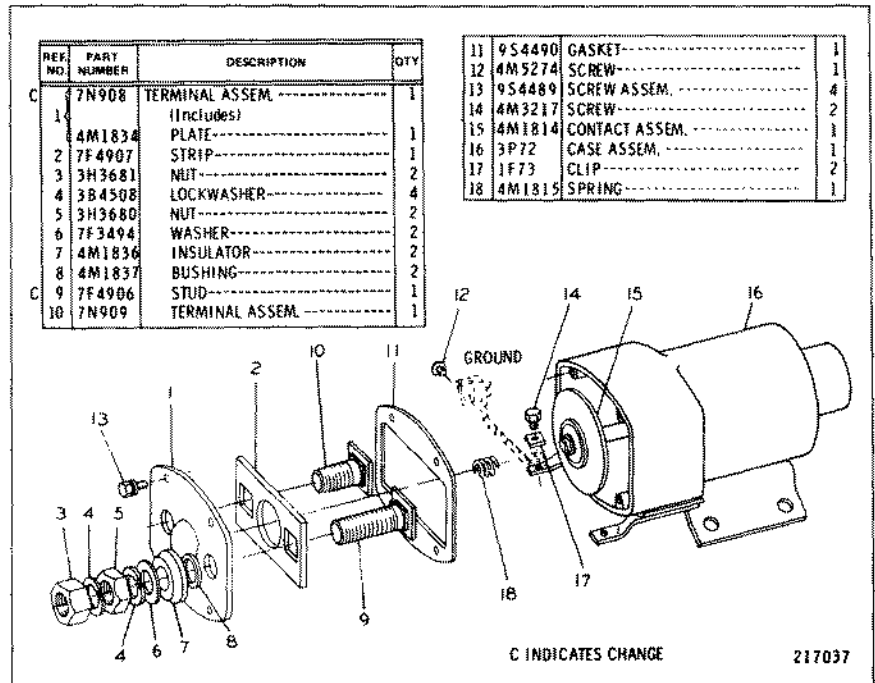
	4S8784	WIRE (No. 6)--2 FOOT
	4S8785	WIRE (No. 10)--10 FOOT
	4S8787	WIRE (No. 14)--10 FOOT
1	2L8052	TERMINAL (3/8" SCREW)
2	2L8054	TERMINAL (1/2" SCREW)
		(USED WITH No. 6 WIRE)
4	2L8066	TERMINAL (No. 10 SCREW)
4	2L8068	TERMINAL (5/16" SCREW)
1	2L8071	TERMINAL (1/2" SCREW)
		(USED WITH No. 10 WIRE)
4	2L8076	TERMINAL (No. 10 SCREW)
2	2L8081	TERMINAL (1/2" SCREW)
		(USED WITH No. 14 WIRE)
2	9F9203	CONNECTOR (3.125" LONG)
2	1H5166	CLIP (3.50" LONG)
1	4H8310	STRAP
1	1L9899	MARKER (WIRE CODE)
3	2L9724	CLIP (2.50" LONG)
6	8L8413	TIE (5.50" LONG)
2	3S2093	TIE (7.31" LONG)
2	6N2569	TERMINAL

3L6655 WIRING KIT GROUP

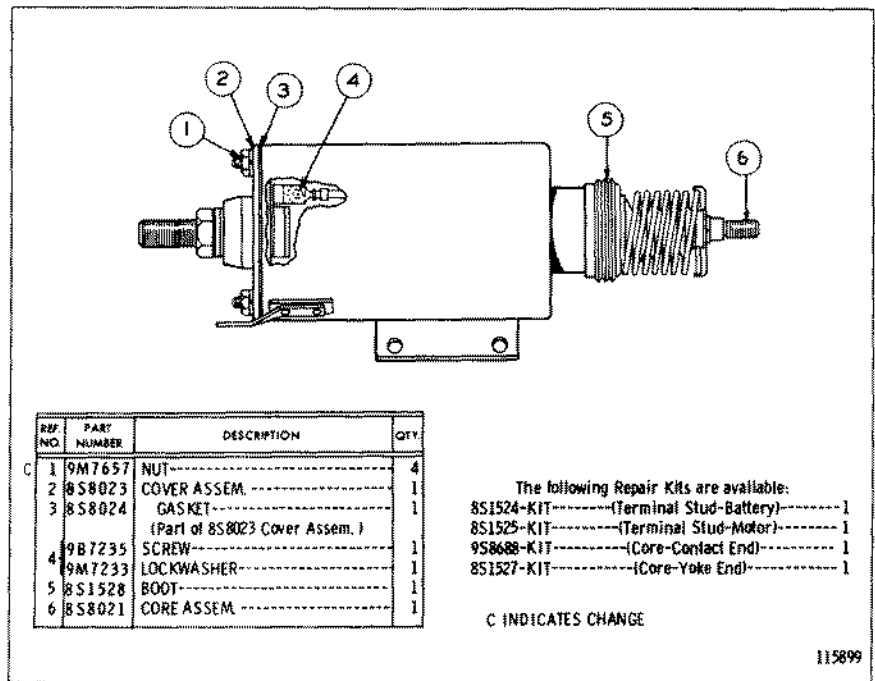
Part of 7N6504, 9L5066, 7N6505, 9L5065 and 4N4779 Electric Starting Motor Groups shown on Pages 245, 246 and 247. AN ATTACHMENT



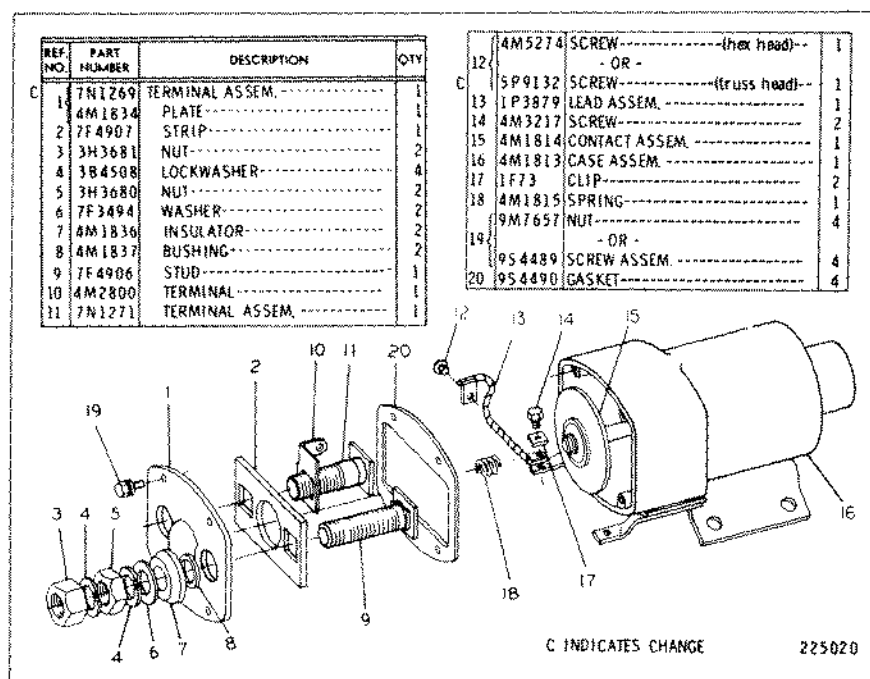
7L6586 SOLENOID SWITCH ASSEMBLY—12 Volt
Part of 9L3597 and 7N6503 Electric Starting Motor Groups shown on
--- 248 and 250. AN ATTACHMENT



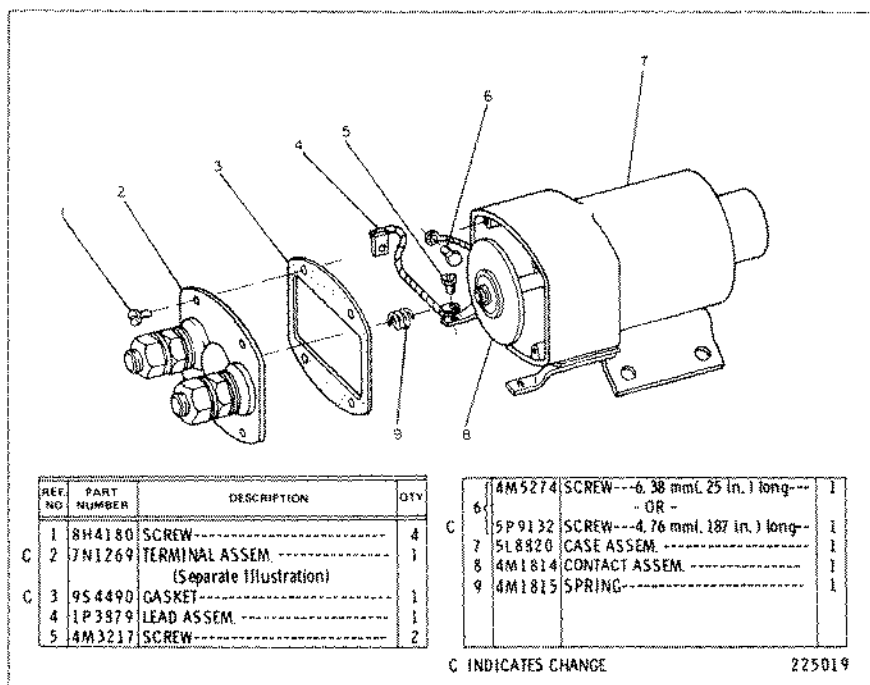
6N5123 SOLENOID SWITCH ASSEMBLY—24 Volt
Part of 4N3182 Electric Starting Motor Group shown on Page 253
AN ATTACHMENT



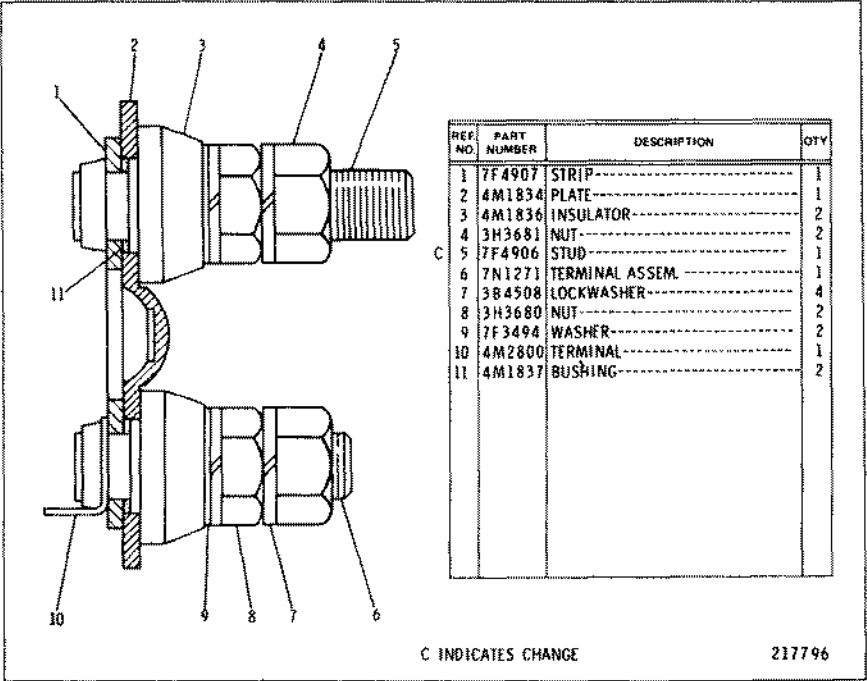
9S7976 SOLENOID SWITCH ASSEMBLY—24 Volt



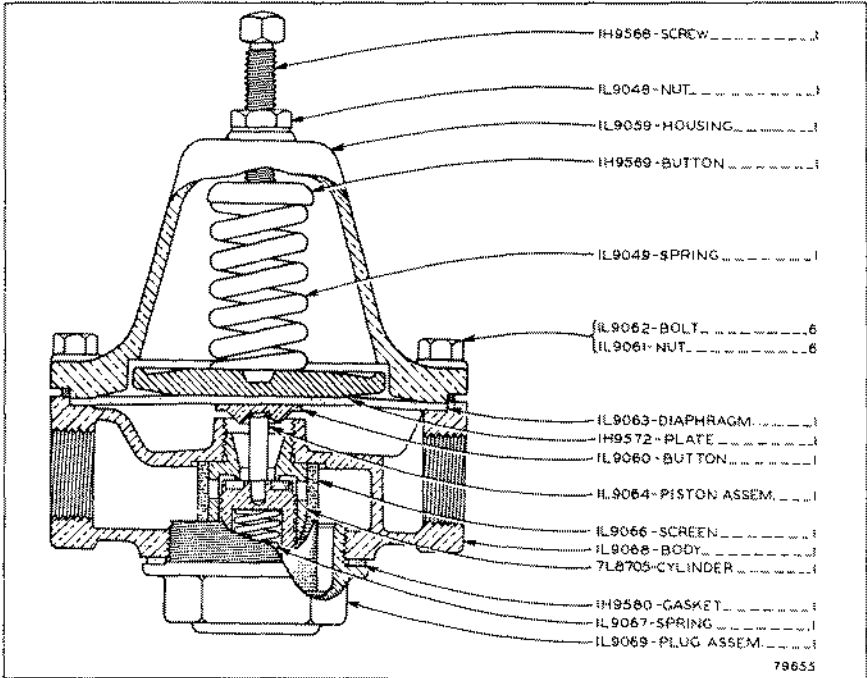
4M1812 SOLENOID SWITCH ASSEMBLY—24 Volt
Part of 2S900 Starting Motor Assembly shown on Page 258
AN ATTACHMENT



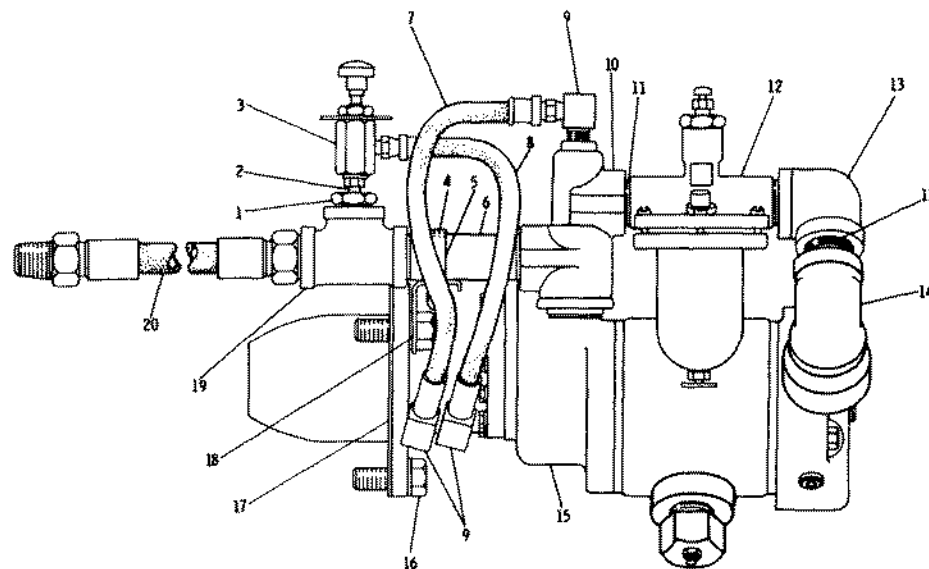
5L8595 SOLENOID SWITCH ASSEMBLY—32 Volt
Part of 2S900 Starting Motor Assembly shown on Page 260



7N1269 TERMINAL ASSEMBLY
Part of 5L8595 Solenoid Switch Assembly shown on Page 264
AN ATTACHMENT



1L5011 REGULATING AND PRESSURE REDUCING VALVE GROUP
FOR USE WITH AIR STARTING MOTOR SYSTEM



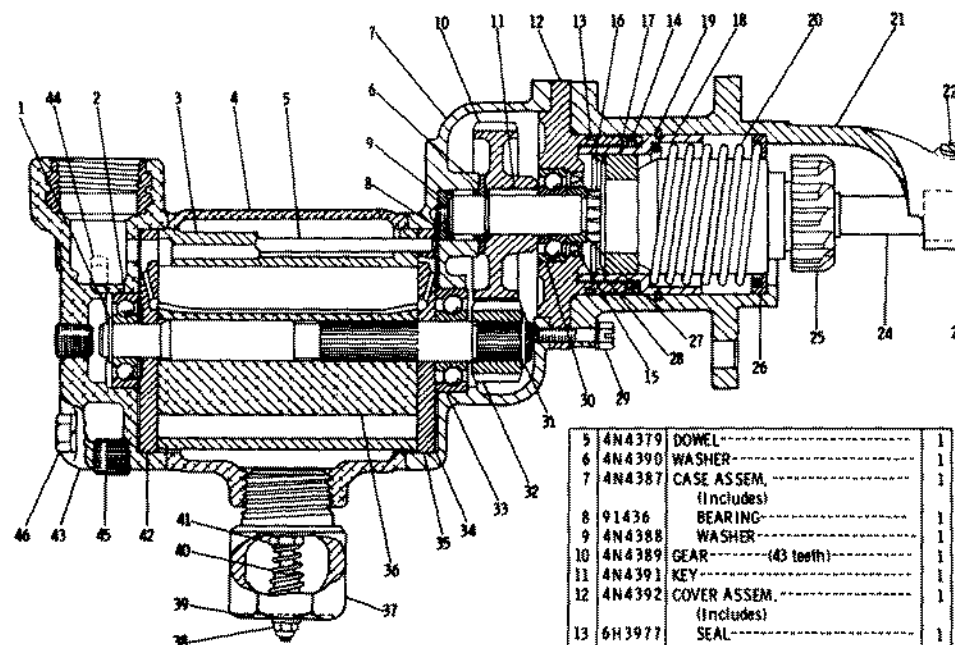
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4D3967	BUSHING-----	1
2	3B7264	NIPPLE----L 91 cm(.75 in.) long	1
3	4N3410	VALVE-----	1
4	1H690	STRIP-----	1
5	9M2904	CLAMP-----	1
6	7B7908	NIPPLE----11.43 cm(.45 in.) long	1
7	4N5666	HOSE ASSEM. ----. 38 m(15 in.)	1
8	4N5667	HOSE ASSEM. ----. 41 m(16 in.)	1
9	3D8884	ELBOW-----	3
10	7M9544	RELAY VALVE-----	1
11	3B7749	NIPPLE---3.81 cm(1.5 in.) long	3
12	4L3124	LUBRICATOR-----	1
13	3B6498	ELBOW-----	1
14	3L9071	ELBOW-----	1
15	5L3785	NIPPLE----5.08 cm(2 in.) long	1
16	4N4370	AIR MOTOR GROUP----- (Separate Illustration)	1
17	51566	BOLT-----	3
18	4B4281	WASHER-----	3
19	4H7869	GASKET-----	1
20	4N5668	BRACKET-----	1
	4B7770	TEE-----	1
	9L4652	HOSE ASSEM. ----. 44 m(17.25 in.)	1

C INDICATES CHANGE

217775

4N5712 AIR STARTING MOTOR GROUP
4N4370 Air Motor parts are shown on Page 267
AN ATTACHMENT

4N4370 AIR MOTOR GROUP
Part of 4N5712 Air Starting Motor Group shown on Page 266
AN ATTACHMENT



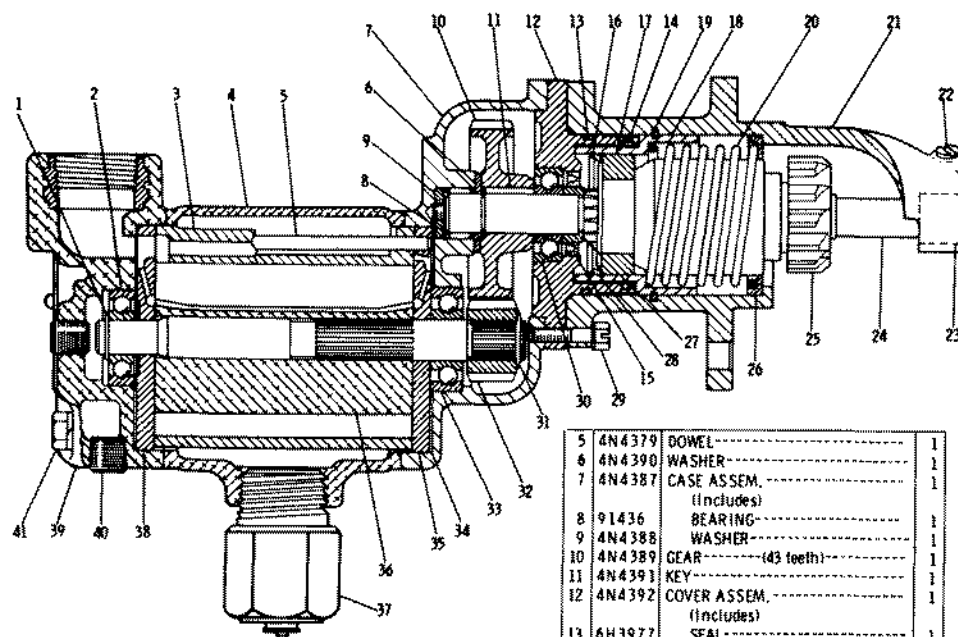
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5L4035	RETAINER	1
2	4N4375	BEARING	1
3	4N4378	CYLINDER	1
4	4N4383	HOUSING	1

5	4N4379	DOWEL	1
6	4N4390	WASHER	1
7	4N4387	CASE ASSEM. (Includes)	1
8	91436	BEARING	1
9	4N4388	WASHER	1
10	4N4389	GEAR--(43 teeth)	1
11	4N4391	KEY	1
12	4N4392	COVER ASSEM. (Includes)	1
13	6H3977	SEAL	1
14	BF8882	SEAL	1
15	4N4393	SEAL	1
16	520512	RETAINER	1
17	4N4400	RING	1
18	4N4398	PISTON ASSEM. (Includes)	1
19	4N4399	RING	1

20	4N4403	SPRING	1
21	4N4406	HOUSING ASSEM. (Includes)	1
22	2B4602	PLUG	1
23	4N4408	OTTER	1
24	4N4407	BEARING	1
25	4N4421	SHAFT	1
26	4N4517	DRIVE ASSEM.	1
27	4N4404	SEAT	1
28	4N4394	COLLAR	1
29	4N4402	SPACER	1
30	2A5546	BOLT	12
31	3B4504	LOCKWASHER	12
32	5F8651	BEARING	1
33	4N4386	RETAINER	1
34	4N4385	PINION	1
35	9B9774	BEARING	1
36	4N4384	GASKET	1
37	4N4382	PLATE	1
38	4N4381	ROTOR	1
39	4N4409	DEFLECTOR ASSEM. (Includes)	1
40	4L1250	NUT	1
41	4B4274	WASHER	1
42	4N4410	PLATE	1
43	4N4414	SPRING	1
44	4N4411	STEM	1
45	4N4377	PLATE	1
46	4N4376	GASKET	1
47	4N4371	COVER ASSEM. (Includes)	1
48	2B7457	PLUG	1
49	4N4372	SCREW	1
50	4N4373	FELT	1
51	7M7410	PLUG	3
52	4F411	BOLT	4
53	3B4506	LOCKWASHER	4
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
54	4N4380	KIT (varn)	1

146138

4N4370 AIR MOTOR GROUP—Type 2
Part of 4N5712 Air Starting Motor Group shown on Page 266
AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5L4035	RETAINER	1
2	4N4375	BEARING	1
3	4N4378	CYLINDER	1
4	4N4383	HOUSING	1

5	4N4379	DOWEL	1
6	4N4390	WASHER	1
7	4N4387	CASE ASSEM. (Includes)	1
8	91436	BEARING	1
9	4N4388	WASHER	1
10	4N4389	GEAR (43 teeth)	1
11	4N4391	KEY	1
12	4N4392	COVER ASSEM. (Includes)	1
13	6H3977	SEAL	1
14	8F8882	SEAL	1
15	4N4393	SEAL	1
16	520512	RETAINER	1
17	4N4400	RING	1
18	4N4398	PISTON ASSEM. (Includes)	1
19	4N4399	RING	1

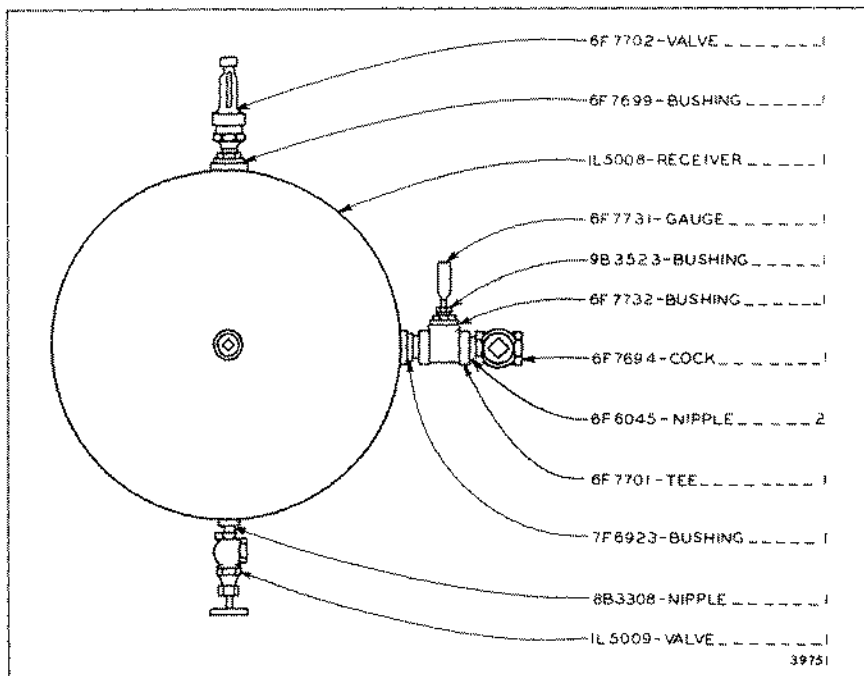
20	4N4403	SPRING	1
21	4N4406	HOUSING ASSEM. (Includes)	1
22	2B4602	PLUG	1
23	4N4408	OILER	1
24	4N4407	BEARING	1
25	4N4421	SHAFT	1
26	4N4517	DRIVE ASSEM.	1
27	4N4404	SEAT	1
28	4N4397	COLLAR	1
29	4N4402	SPACER	1
30	2A5546	BOLT	12
31	3B4504	LOCKWASHER	12
32	5F8651	BEARING	1
33	4N4386	RETAINER	1
34	4N4385	PINION	1
35	9B9774	BEARING	1
36	4N4384	GASKET	1
37	4N4382	PLATE	1
38	4N4381	ROTOR	1
39	4N4409	DEFLECTOR ASSEM.	1
40	4N4377	PLATE	1
41	4N4376	GASKET	1
	4N4371	COVER ASSEM. (Includes)	1
	7M7410	PLUG	3
	4F411	BOLT	4
	3B4506	LOCKWASHER	4

THE FOLLOWING REPAIR KIT IS AVAILABLE:

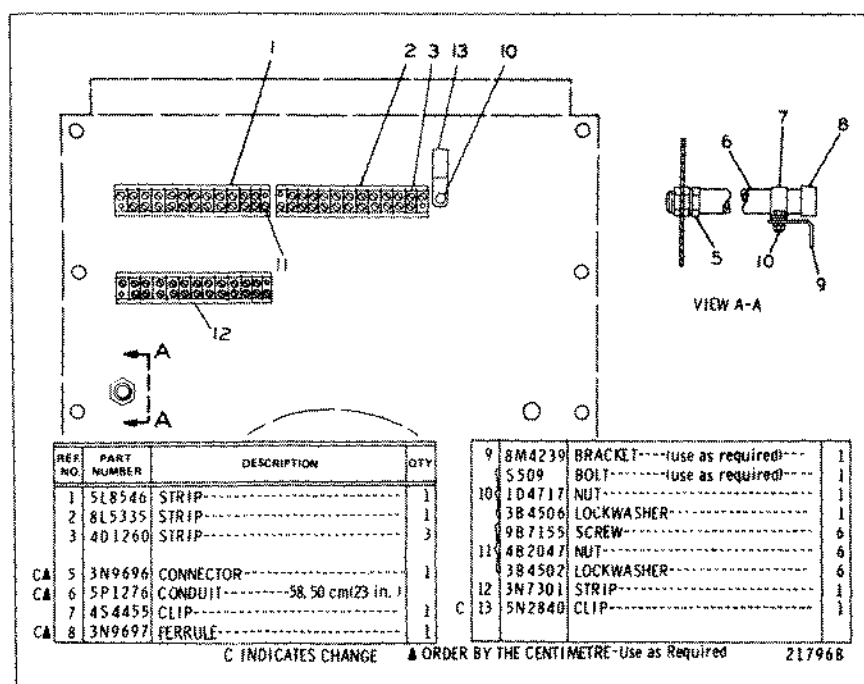
4N4380	KIT	(Name)	1
--------	-----	--------	---

C INDICATES CHANGE

218245



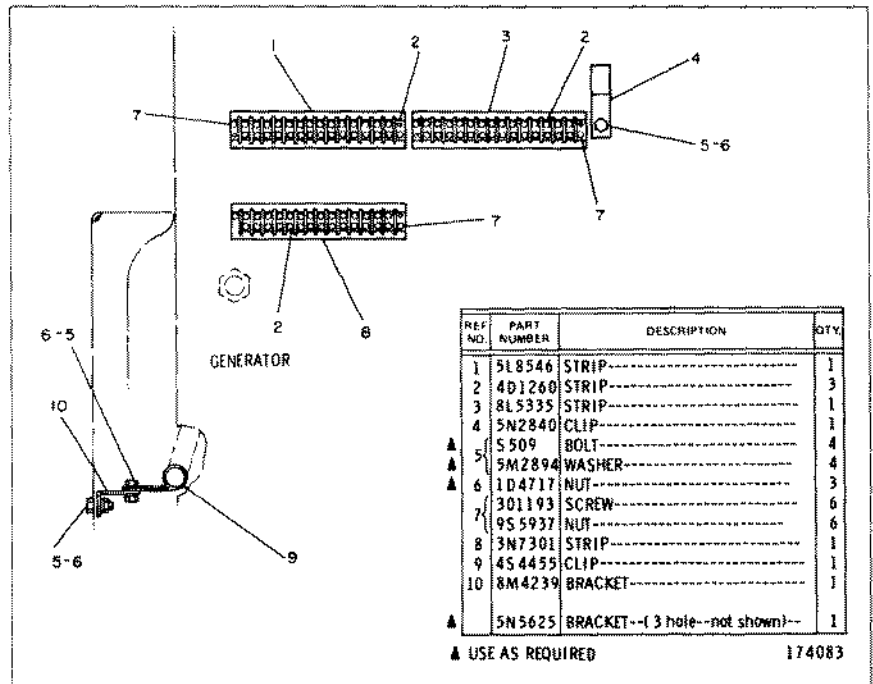
1L5010 AIR RECEIVER GROUP
AN ATTACHMENT



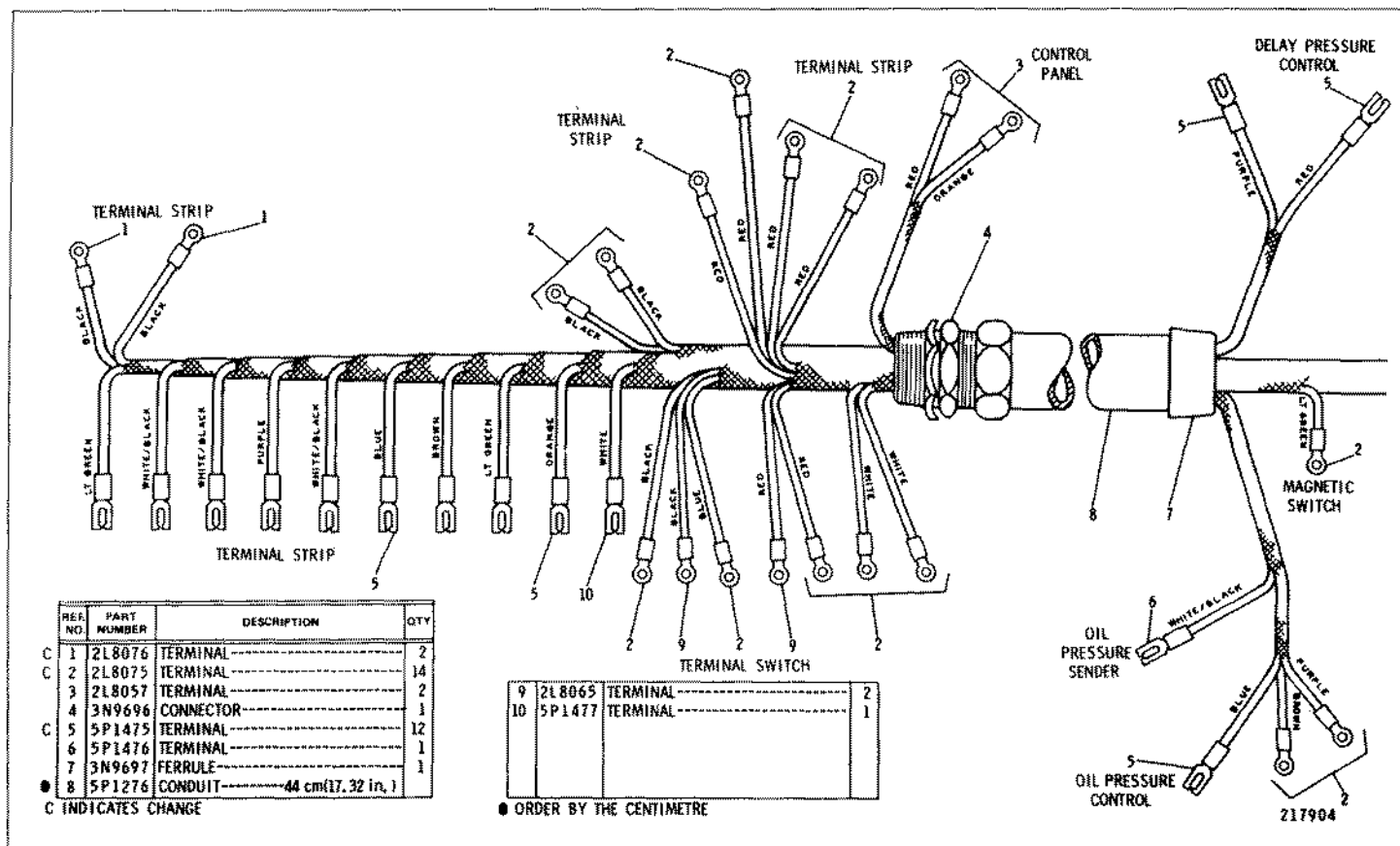
3N6354 PANEL ASSEMBLY
Refer to Chart shown on Page 269 for usage
AN ATTACHMENT

PART NO.	NAME	USAGE CODE*	
		GOVERNOR	FOR USE WITH
3N519	STARTING MOTOR GROUP	HM, P2 HM, P2	N-PGS-NG PGS-G3
8L4849	WIRING GROUP	HM, P2 HM, P2	N-PGS-NG PGS-G3
8L4960	JUNCTION BOX GROUP	HM, P2	N-PGS-NG
3N8632	SHUT-OFF GROUP	HM, P2 HM, P2	N-PGS-NG PGS-G3
3N9595	CONTACTOR GROUP	HM, P2 HM, P2	N-PGS-NG PGS-G3
3N9602	CONTACTOR GROUP	HM, P2	PGS-G3
5N3014	SWITCH-TIME DELAY OIL PRESSURE	HM, P2 HM, P2	N-PGS-NG PGS-G3
3N9652	CONTACTOR MOUNTING GROUP	HM, P2 HM, P2	N-PGS-NG PGS-G3
3N6354	PANEL ASSEMBLY	HM, P2	PGS-G3
3N8263	HARNESS ASSEMBLY	HM, P2	PGS-G3
3N6403	WIRING DIAGRAM	HM, P2	PGS-G3
3N5866	WIRING DIAGRAM	HM, P2	N-PGS-NG
5N5576	ELECTRICAL CONNECTIONS GROUP	HM, P2	PGS-G3
* HM -HYDRA-MECHANICAL GOVERNOR P2 -PGS GOVERNOR W/24 VOLT D.C. SYNCHRONIZING MOTOR PGS -PACKAGE GENERATOR SET N-PGS -NON-PACKAGE GENERATOR SET NG -NO GENERATOR REQUIRED G3 -5N14 TO 5N19 & 5N27 TO 5N29 GENERATORS (440 FR.)			

3N6800 AUTOMATIC START-STOP CHART
AN ATTACHMENT



5N5576 ELECTRICAL CONNECTIONS GROUP
 FOR USAGE REFER TO 3N6600 CHART SHOWN ON PAGE 269
 AN ATTACHMENT



3N8263 WIRING HARNESS ASSEMBLY—Part 1
Refer to Chart shown on Page 269 for usage
AN ATTACHMENT

CONSISTS OF:

▲	5P5675	WIRE (No. 6)--2 M (5 FOOT)
▲	5P5622	WIRE (No. 10)--2 M (6 FOOT)
▲	5P5624	WIRE (No. 14)--11 M (35 FOOT)
2	2L8049	TERMINAL (No. 10 SCREW)
1	2L8052	TERMINAL (3/8" SCREW)
2	2L8054	TERMINAL (1/2" SCREW)
		(USED WITH NO. 6 WIRE)
2	2L8065	TERMINAL (No. 8 SCREW)
3	2L8067	TERMINAL (1/4" SCREW)
2	2L8071	TERMINAL (1/2" SCREW)
		(USED WITH NO. 10 WIRE)
2	2L8074	TERMINAL (No. 6 SCREW)
21	2L8076	TERMINAL (No. 10 SCREW)
2	2L8079	TERMINAL (3/8" SCREW)
		(USED WITH NO. 14 WIRE)
2	5P1475	TERMINAL--SPRING SPADE (14-16 No. 8 SCREW)
2	5P1476	TERMINAL--SPRING SPADE (14-16 No. 10 SCREW)
2	5P1477	TERMINAL--SPRING SPADE (10-12 No. 8 SCREW)
2	5P1478	TERMINAL--SPRING SPADE (10-12 No. 10 SCREW)
1	5D5569	CONNECTOR--SEALING GRIP
6	1H5166	CLIP (3.50" LONG)
1	2H2143	MARKER (CARD OF)
2	2H2965	CONNECTOR--WIRE
6	2L9724	CLIP (2.50" LONG)
2	5L2579	GROMMET--JUNCTION BOX
1	6L8150	JUMPER--TERMINAL STRIP
75	6L8413	TIE (5.50" LONG)
6	3S2093	TIE (7.31" LONG)
1	1H4318	GROMMET--JUNCTION BOX
1	3N5681	TIE--CABLE

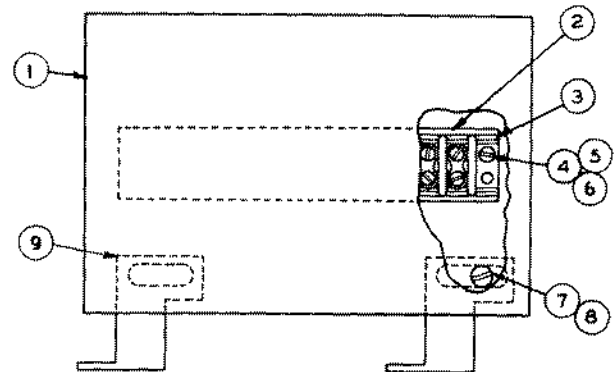
▲ ORDER BY THE METRE

CONSISTS OF:

21	2L8075	TERMINAL--No. 8 SCREW
4	2L9724	CLIP
2	2L8081	TERMINAL--1.27 CM (.50 IN.) SCREW
▲	5P5624	WIRE--122 DM (480 IN.)
50	8L8413	TIE
4	2L8074	TERMINAL--No. 6 SCREW
6	2L8065	TERMINAL--No. 8 SCREW
2	2L8079	TERMINAL--.95 CM (.375 IN.) SCREW
2	8S4626	SPLICE--WIRE
1	3N5681	TIE--CABLE (CLIP OF 50)

▲ ORDER BY THE METRE

4L1192 WIRING GROUP
FOR USE WITH OIL PRESSURE, WATER TEMPERATURE AND OVERSPEED
FLYBALL CONTACTORS OR ALARM. AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8L4236	BOX	1
2	5L8546	STRIP	1
3	4S1260	STRIP	1
4	9B7155	BOLT	2
5	4B2047	NUT	2

6	3B4502	LOCKWASHER	2
7	4B1318	SCREW	2
8	3B4504	LOCKWASHER	2
9	3N856	BRACKET	2

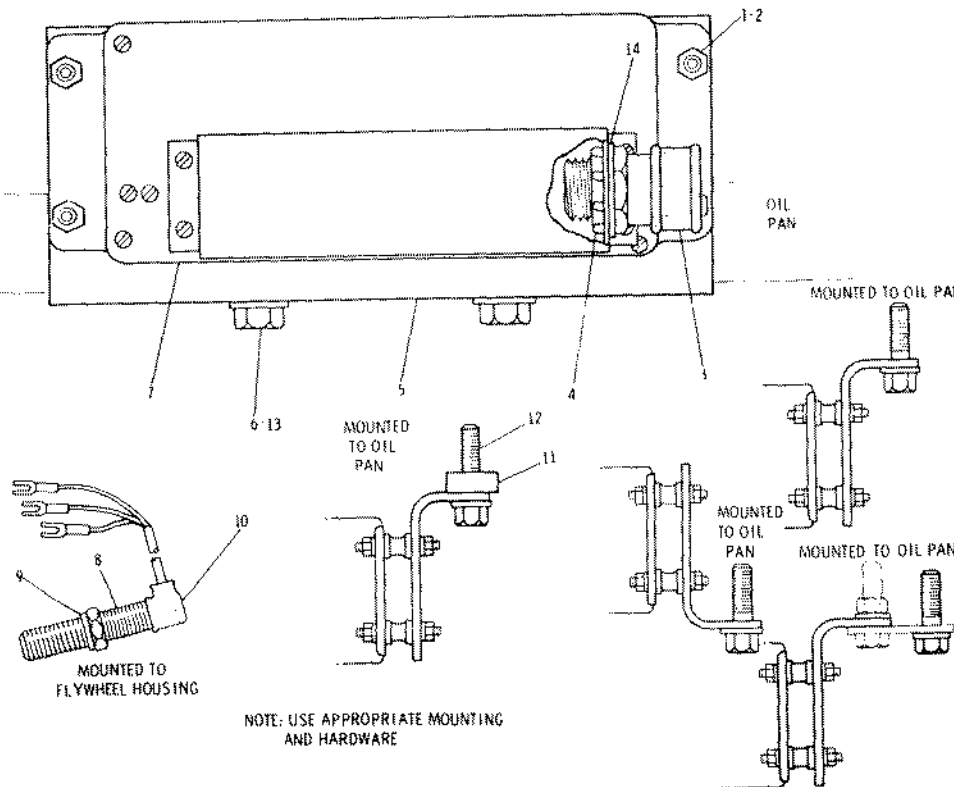
C INDICATES CHANGE

15764

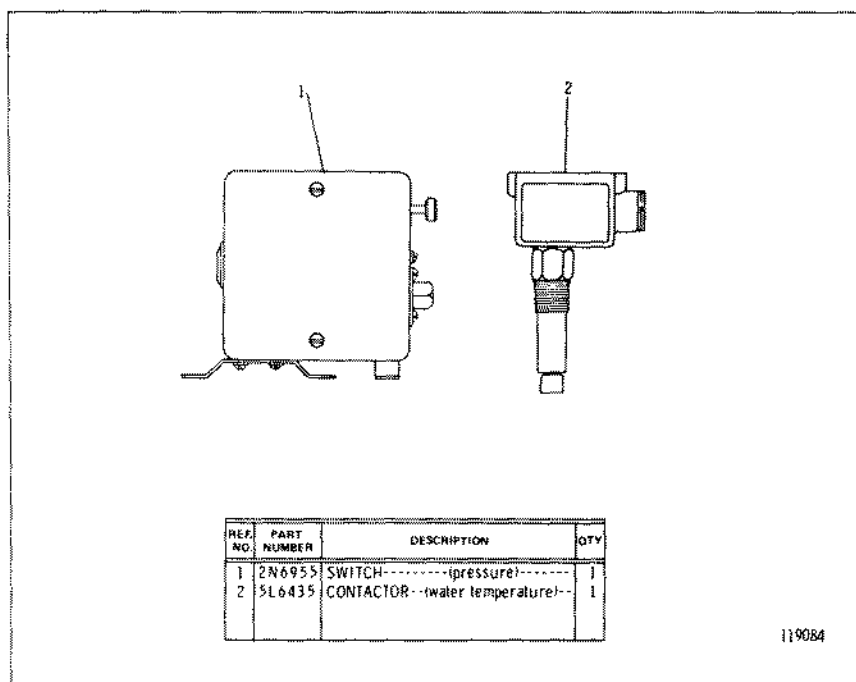
REF NO	PART NUMBER	DESCRIPTION	QTY
	4B2043	NUT	8
1	4B4863	WASHER	8
2	3N7588	MOUNT	4
3	8D7957	CONNECTOR	1
4	3F2065	LOCKNUT	1
5	3N7689	PLATE	1
C 6	S1591	BOLT (washer head)	2
7	3N9596	SWITCH (speed)	1
8	3N7477	PICK-UP ASSEM. (magnetic)	1
9	4B4281	WASHER	1
10	6L3483	COVER	1
11	5B546	SPACER	2
C 12	S1587	BOLT	2
C 13	5M2894	WASHER	2
C 14	8F2534	GASKET	1
	SMHS6819	FORM (Installing Overspeed Contact Group)	1
	3N5606	WIRING DIAGRAM	1

C INDICATES CHANGE

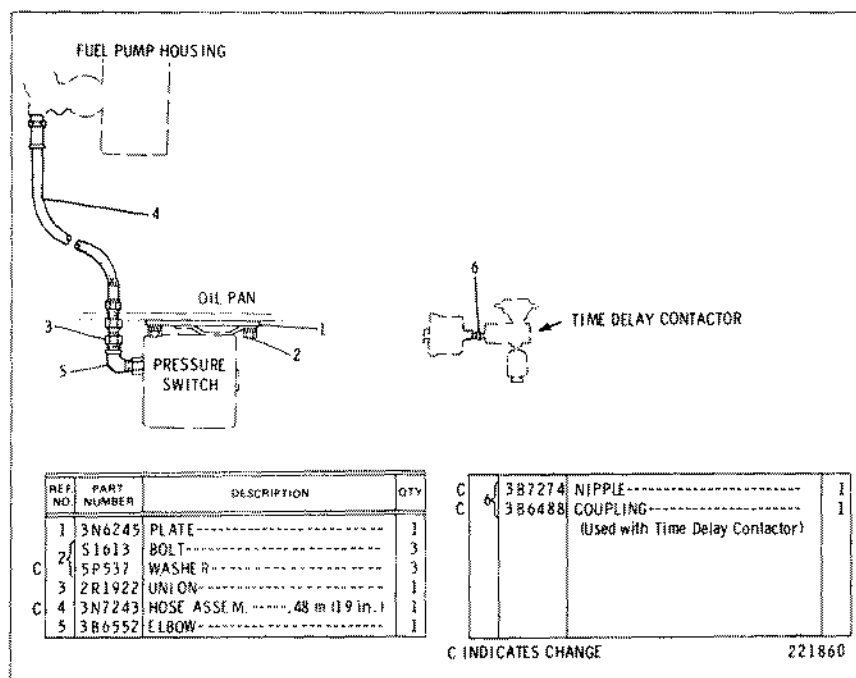
222269



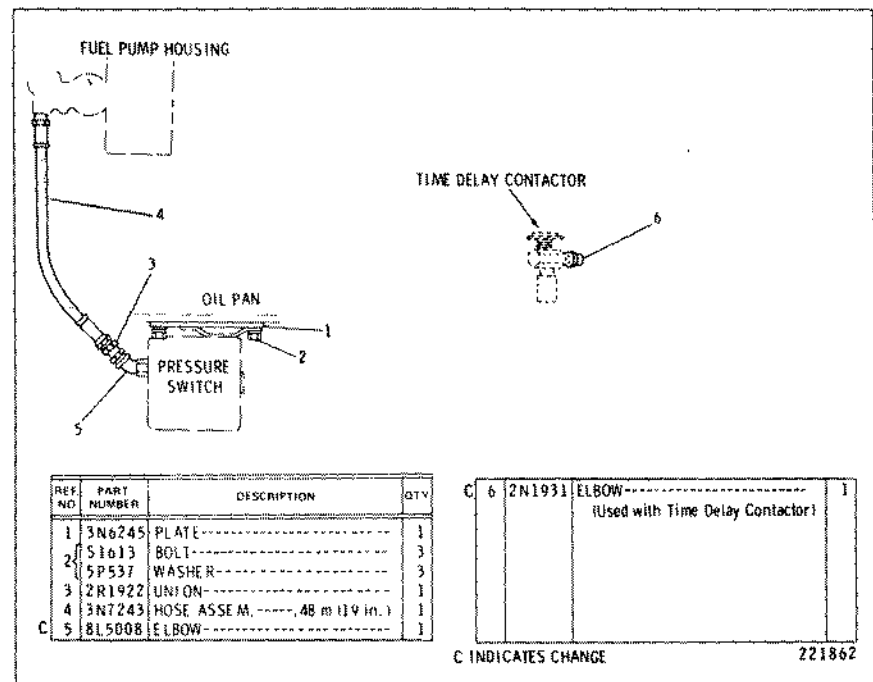
3N9595 CONTACTOR GROUP—Electronic Overspeed
Refer to Chart shown on Page 269 for usage
AN ATTACHMENT



3N6867 CONTACTOR GROUP—Oil Pressure, Water Temperature, Alarm with Electronic or Flyball Overspeed
AN ATTACHMENT

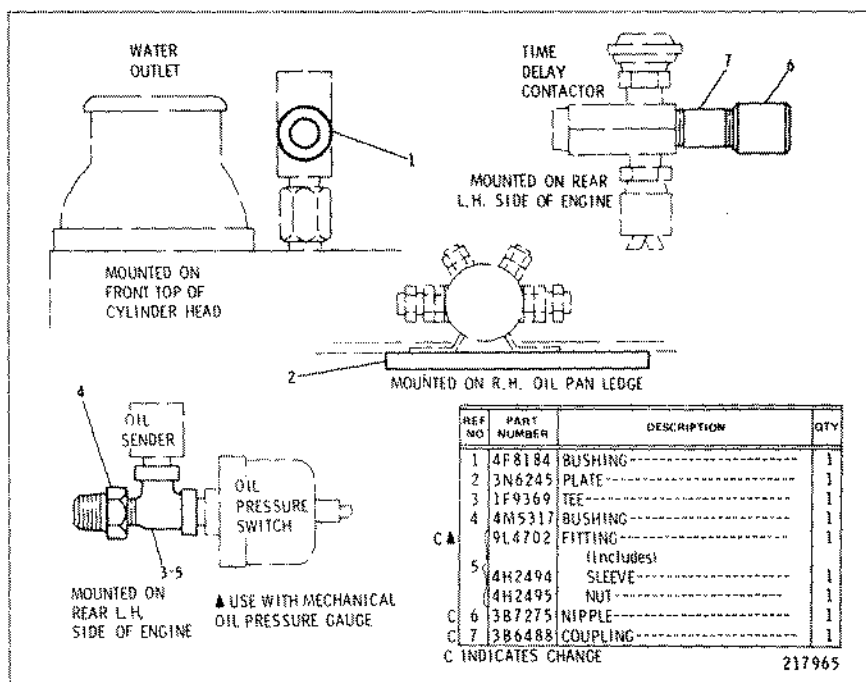


3N8806 CONTACTOR MOUNTING GROUP—Oil Pressure, Water Temperature, Alarm with Electronic or Flyball Overspeed—Type 1—Replaced by 3N9652 shown on Page 276

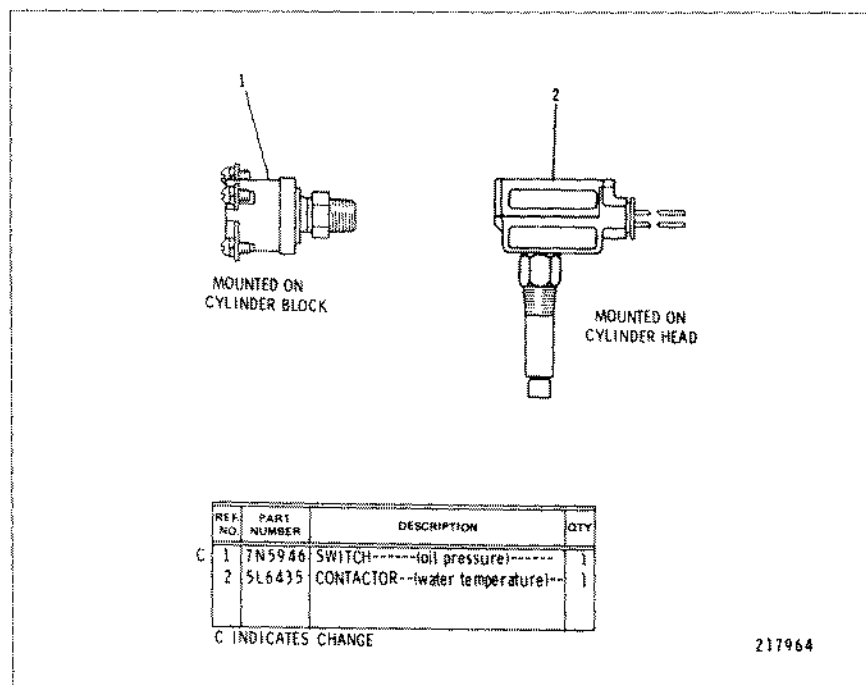


3N8806 CONTACTOR MOUNTING GROUP—Oil Pressure, Water Temperature, Alarm with Electronic or Flyball Overspeed—Type 2—Replaced by 3N9652 shown on Page 276
AN ATTACHMENT

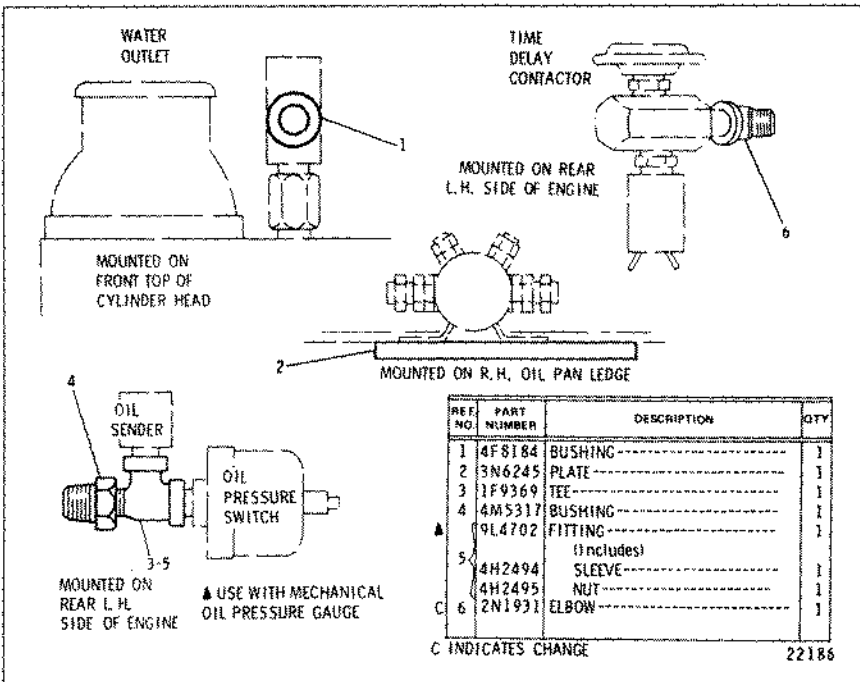
CATERPILLAR 3306 INDUSTRIAL ENGINE



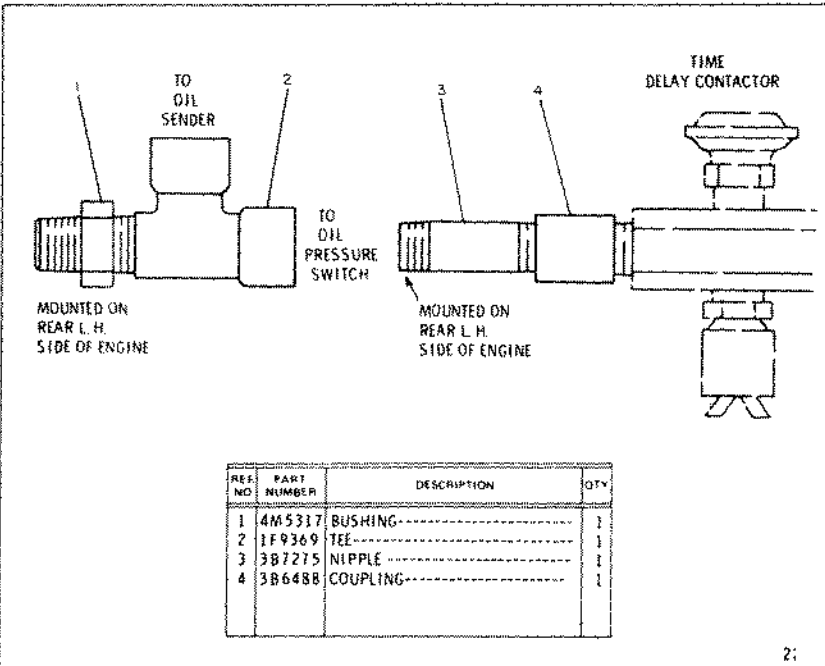
3N9652 CONTACTOR MOUNTING GROUP—Type 1
Refer to 3N6600 Chart shown on Page 269 for usage
AN ATTACHMENT

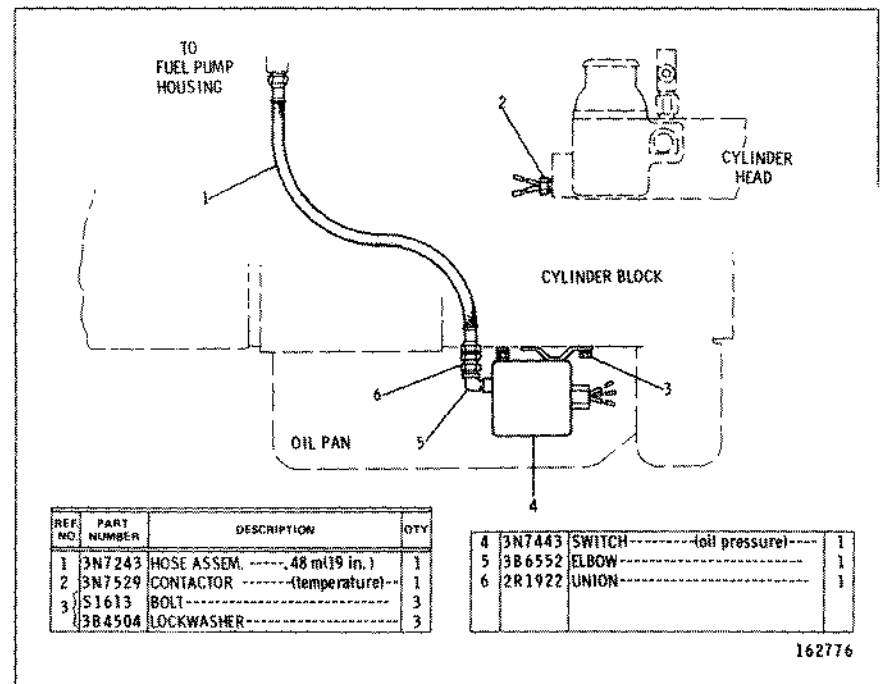


3N9602 CONTACTOR GROUP—Oil Pressure and Water Temperature
Refer to 3N6600 Chart shown on Pages 269 & 269A for usage

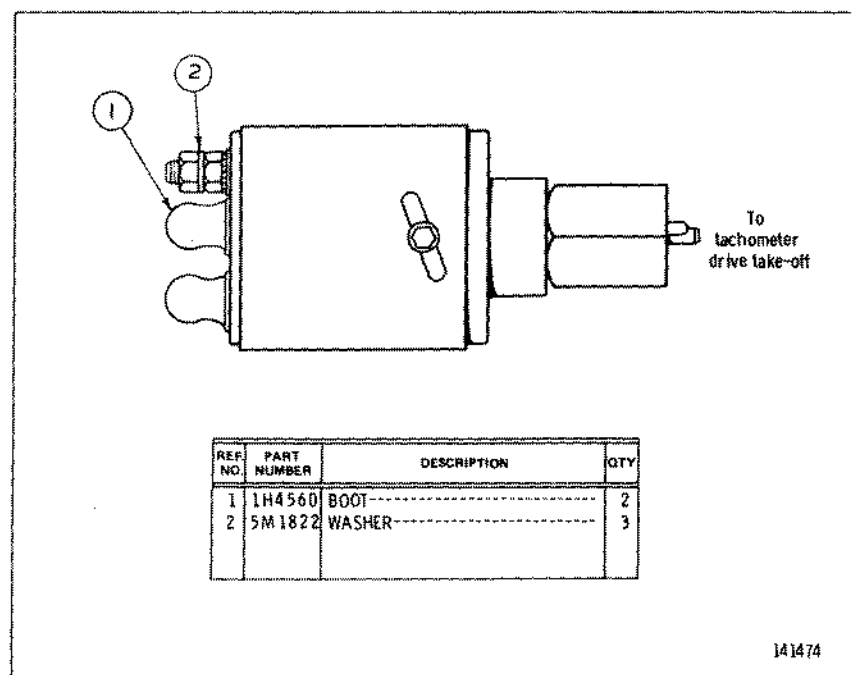


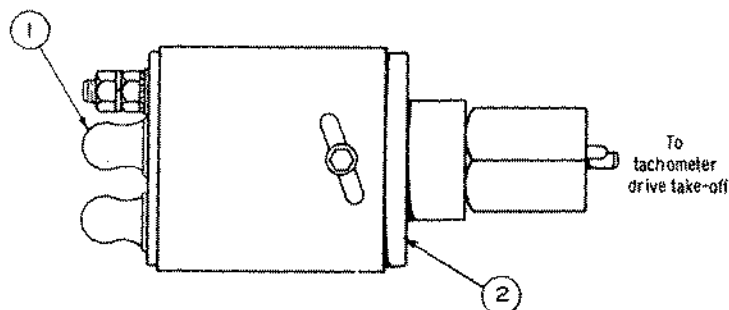
3N9652 CONTACTOR MOUNTING GROUP—Type 2
Refer to 3N6600 Chart shown on Pages 269 & 269A for usage
AN ATTACHMENT





3N8790 PRE-ALARM CONTACTOR GROUP
FOR USE WITH PACKAGED GENERATOR SETS
AN ATTACHMENT



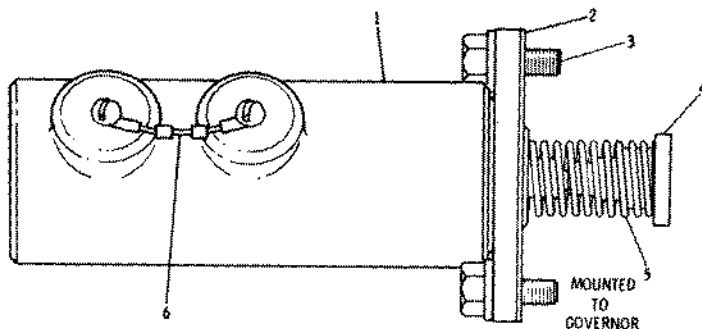


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1H4560	BOOT-----	2
2	3N4026	CONTACTOR----- (Overspeed)-----	1
	5M1822	WASHER-----	3

C INDICATES CHANGE

140000

7L7367 OVERSPEED SAFETY CONTACTOR GROUP—Oil Pressure, Water Temperature and Overspeed Flyball
AN ATTACHMENT

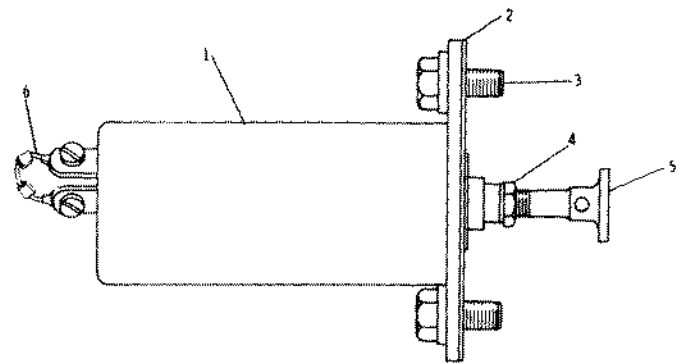


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N3748	SOLENOID-----	1
2	4N117	GASKET-----	1
3	51615	BOLT-----	2
	5P537	WASHER-----	2
4	3N2835	SHAFT-----	1
5	916588	SPRING-----	1
6	3N8085	DIODE ASSEM.-----	1

C INDICATES CHANGE

217780

6N6874 ELECTRIC SHUT-OFF GROUP—12 Volt—Energize to run
Not available as an Attachment

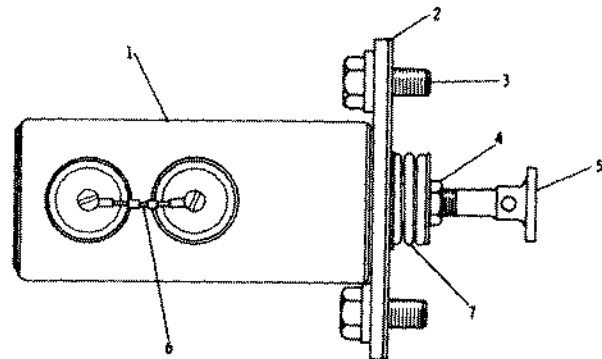


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N3889	SOLENOID	1
2	4N117	GASKET	1
3	2A762	BOLT	2
3	5P537	WASHER	2
4	9M1311	NUT	1
5	6N591	SHAFT	1
C 6	3N8085	DIODE ASSEM.	1

C INDICATES CHANGE

205645

3N8805 ELECTRICAL SHUT-OFF GROUP—12 Volt
FOR USE WITH ELECTRICAL CONTACTOR AND HYDRA-MECHANICAL
GOVERNOR, AN ATTACHMENT



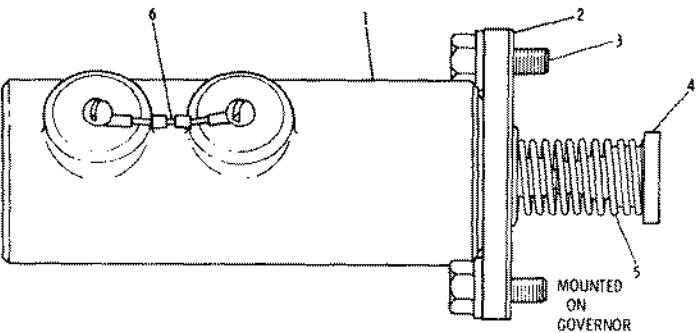
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N3748	SOLENOID	1
2	4N117	GASKET	1
3	5S1615	BOLT	2
3	5P537	WASHER	2
4	9M1311	NUT	1
5	6N591	SHAFT	1
C 6	3N8085	DIODE ASSEM.	1
C 7	7N9966	SPRING	1
C 7	5J9105	WASHER	1

C INDICATES CHANGE

169912

— GROUP — 12 Volt—Energize to Shut-Off

CATERPILLAR 3306 INDUSTRIAL ENGINE

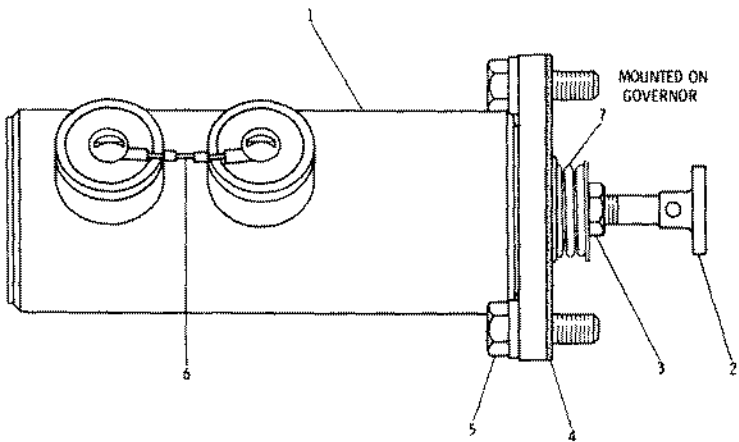


REF NO	PART NUMBER	DESCRIPTION	QTY
1	6N7035	SOLENOID----- (shut-off)-----	1
2	4N117	GASKET-----	1
3	51615	BOLT-----	2
4	5P537	WASHER-----	2
5	3N2835	SHAFT-----	1
6	9L6588	SPRING-----	1
C 6	3N8085	DIODE ASSEM.-----	1

C INDICATES CHANGE

217779

6N6873 ELECTRIC SHUT-OFF GROUP—24 Volt
CANNOT BE USED WITH WOODWARD GOVERNOR
AN ATTACHMENT



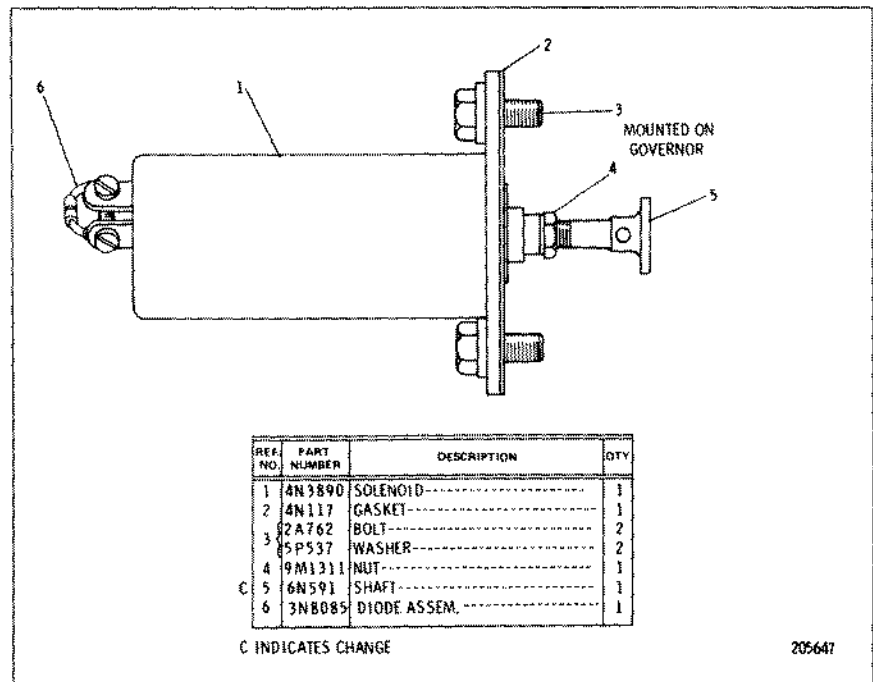
REF NO	PART NUMBER	DESCRIPTION	QTY
1	6N7035	SOLENOID-----	1
2	6N591	SHAT -----	1
3	9M1311	NUT-----	1
4	4N117	GASKET-----	1

5	51615	BOLT-----	2
6	5P537	WASHER-----	2
C 6	3N8085	DIODE ASSEM.-----	1
C 7	7N9966	SPRING-----	1
C 7	5J9105	WASHER-----	1

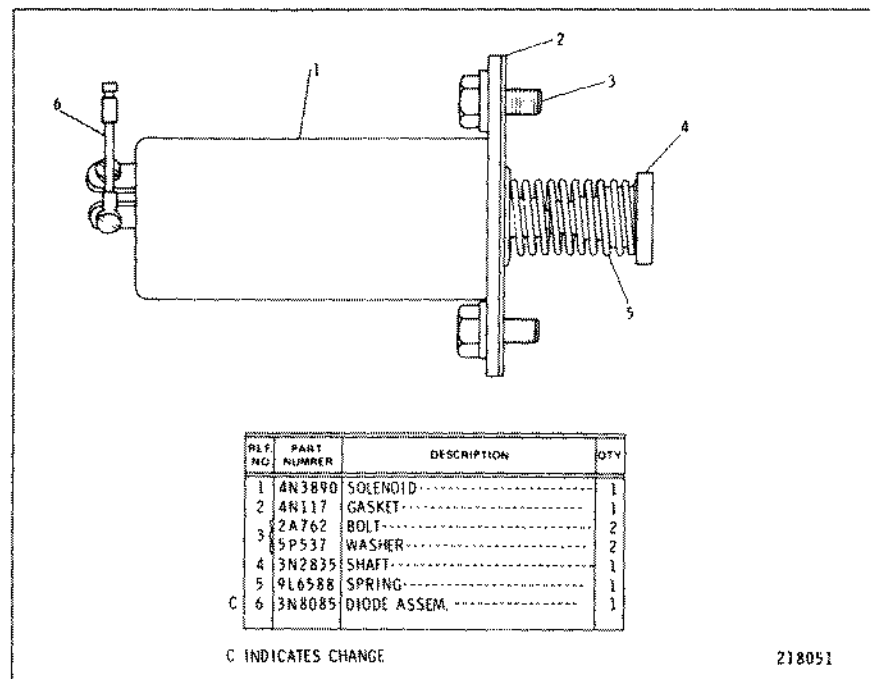
C INDICATES CHANGE

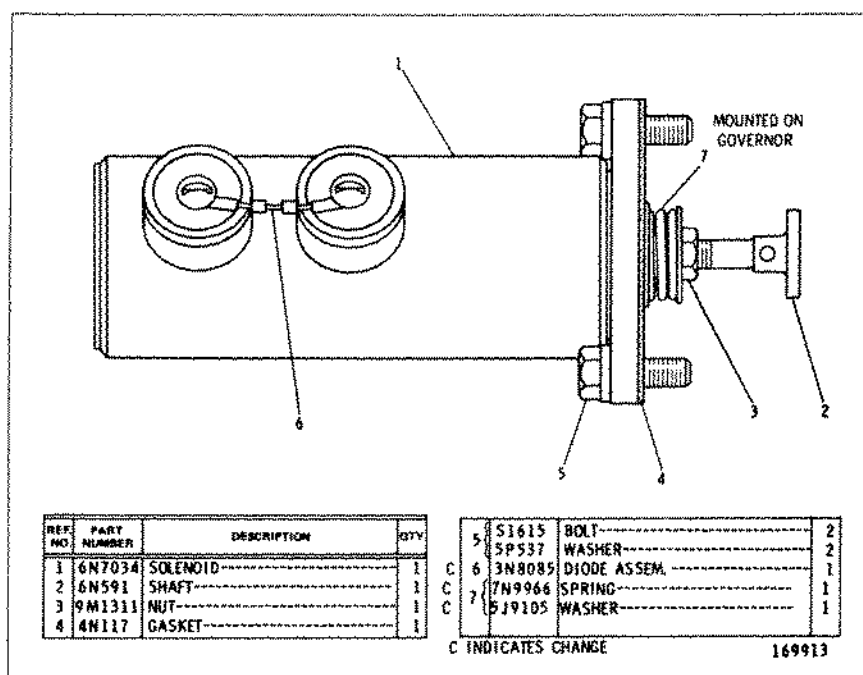
169914

6N9958 ELECTRIC SHUT-OFF GROUP—24 Volt—Energize to Shut-Off

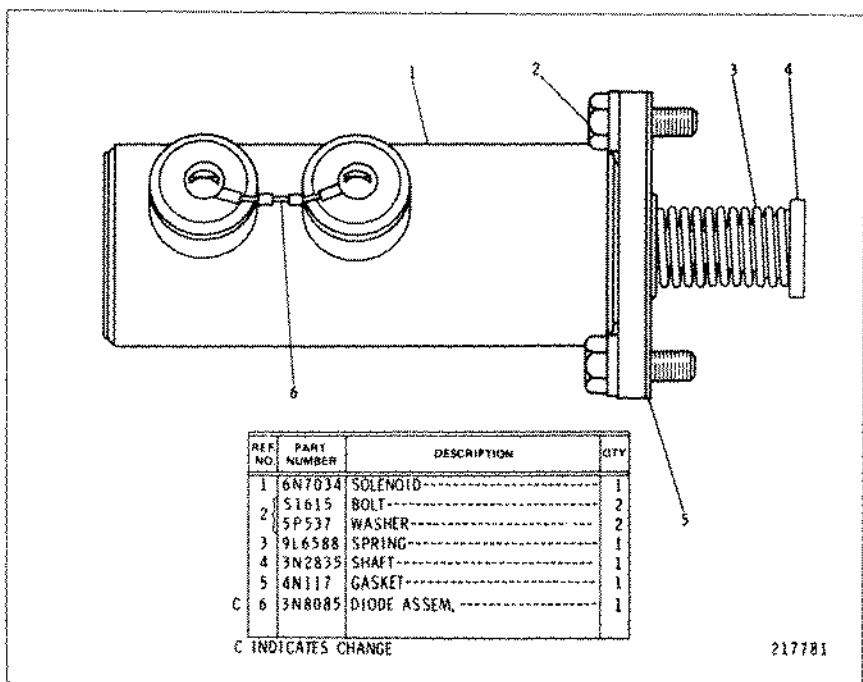


3N8632 ELECTRICAL SHUT-OFF GROUP—24-30-32 Volt
FOR USE WITH ELECTRICAL CONTACTORS
Refer to Chart shown on Page 269 for usage
AN ATTACHMENT

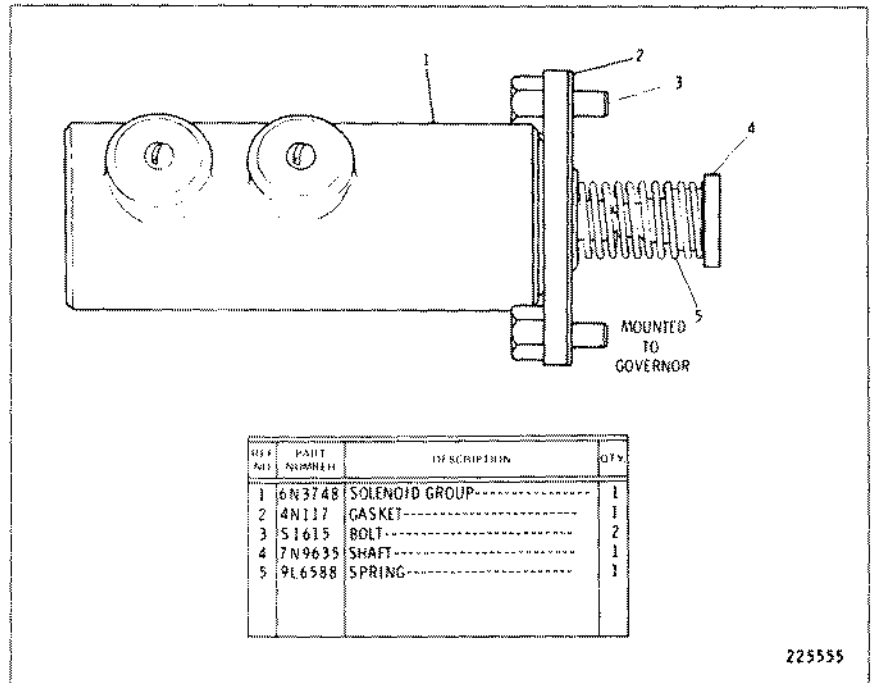




6N9959 ELECTRIC SHUT-OFF GROUP—30-32 Volt—Energize to Shut-Off Solenoid
CANNOT BE USED WITH WOODWARD GOVERNOR AN ATTACHMENT

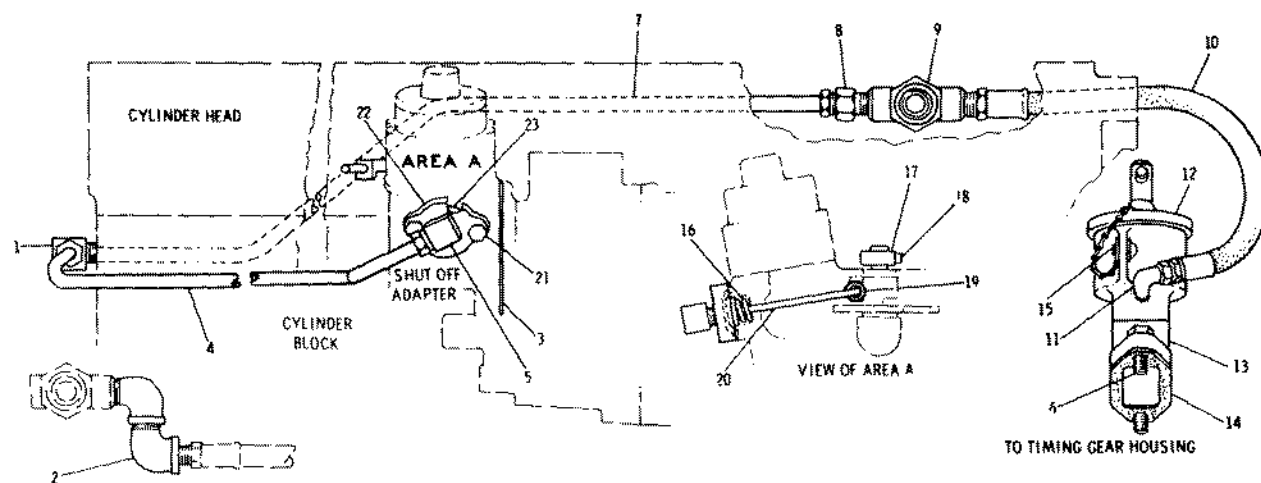


6N6877 ELECTRIC SHUT-OFF GROUP—30-32 Volt—Energize to Shut-Off Solenoid
CANNOT BE USED WITH WOODWARD GOVERNOR AN ATTACHMENT



9N5013 ELECTRICAL SHUT-OFF GROUP—12 Volt
Part of 6N5275 Governor & Fuel Injection Pump Group shown on Page 197D

3N8170 MECHANICAL SAFETY SHUT-OFF GROUP—Oil Pressure and Water Temperature
 Serial No. 66D26832 to 66D32186 inclusive
 CANNOT BE USED WITH R.H. OIL FILLER. AN ATTACHMENT



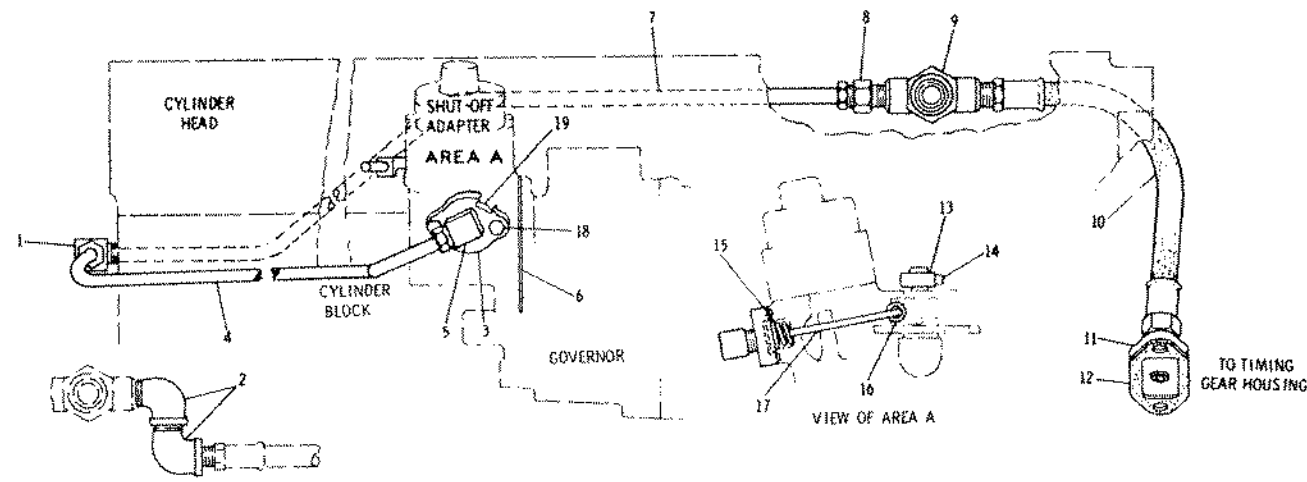
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4780	TEE	1
2	3B6553	ELBOW (use as required)	1
3	6N6597	GASKET	1
4	3N8169	TUBE ASSEM.	1
5	5K9235	ELBOW	1
6	2P3201	BOLT	2
7	5N4180	TUBE ASSEM.	1
8	5K9246	CONNECTOR	1

9	4L7108	VALVE	1
10	3N7275	HOSE ASSEM.	1
11	6K1972	ELBOW	1
12	2P2718	CAP ASSEM.	1
13	3N4395	PIPE	1
14	2P2720	GASKET	1
15	9M5732	RIVET	1
16	2A3211	WASHER	1
17	4B258	SPRING	1
18	6N2554	SHUTOFF GROUP (Includes)	1
	7J9018	BOLT	1

19	3N9371	SPRING	1
20	3N2817	PLUNGER	1
21	51616	BOLT	2
22	2S4652	WASHER	2
23	3N9644	COVER	1
	5N2487	DIAPHRAGM	1

C INDICATES CHANGE

172481



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4780	TEE	1
2	3B6553	ELBOW	2
		(Use as Required)	
3	3N9644	COVER	1
4	3N8169	TUBE ASSEM.	1
5	5K9235	ELBOW	1
6	6N6597	GASKET	1
7	5N4180	TUBE ASSEM.	1
8	5K9246	CONNECTOR	1

9	4L7108	VALVE	1
10	3N7275	HOSE ASSEM.	1
11	456399	CONNECTOR	1
12	3N8554	FLANGE	1
13	2P2720	GASKET	1
14	6N2554	SHUTOFF GROUP	1
		(Includes)	
15	7J9018	BOLT	1
16	4B258	SPRING	1
17	3N9371	SPRING	1
18	3N2817	PLUNGER	1

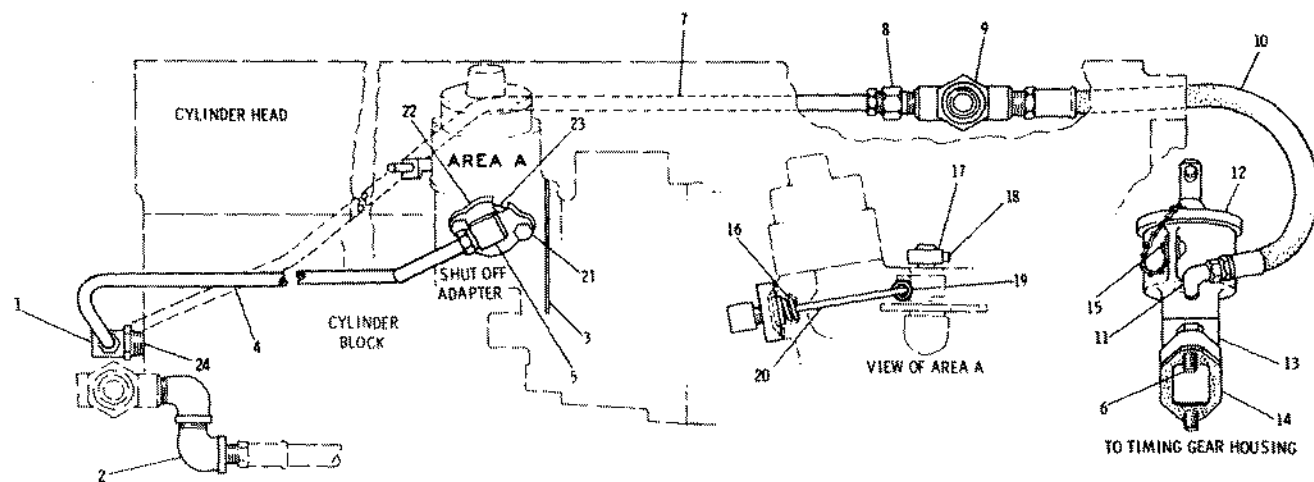
18	51616	BOLT	2
19	254652	WASHER	2
	5N2487	DIAPHRAGM	1

C INDICATES CHANGE

172756

3N8171 MECHANICAL SAFETY SHUT-OFF GROUP—Oil Pressure and Water Temperature
Serial No. 66D26832 to 66D32186 inclusive
FOR USE WITH R.H. OIL FILLER. AN ATTACHMENT

5N6116 MECHANICAL SHUT-OFF GROUP—Oil Pressure and Water Temperature
 Serial No. 66D32187—Up
 FOR USE WITH L.H. OIL FILLER. AN ATTACHMENT

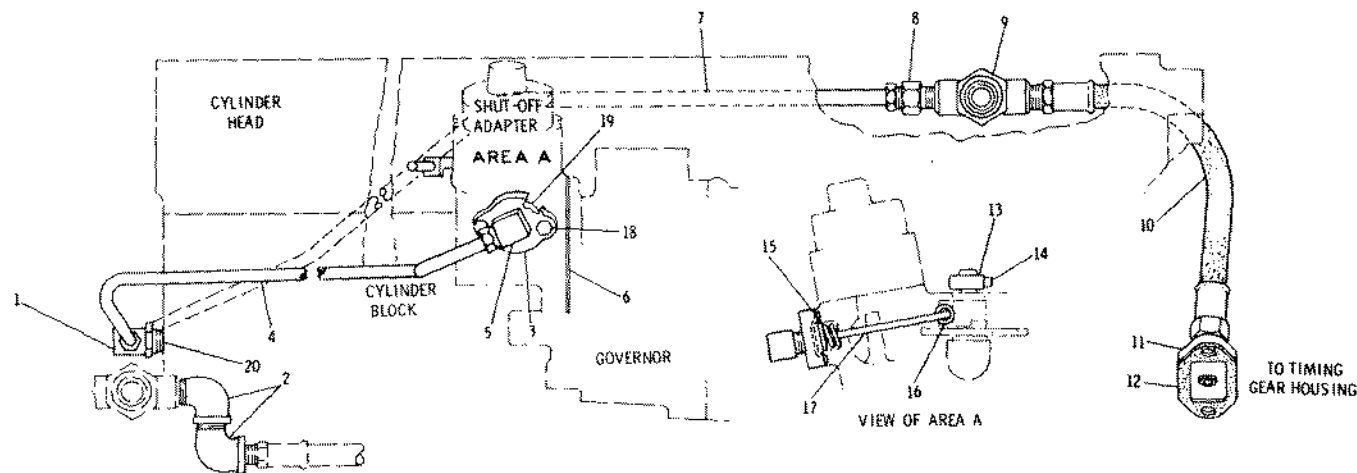


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4780	TEE	1
2	3B6553	ELBOW—(use as required)	2
3	6N6597	GASKET	1
4	5N6121	TUBE ASSEM.	1
5	5K9235	ELBOW	1
6	2P3201	BOLT	2
7	5N6120	TUBE ASSEM.	1
8	5K9246	CONNECTOR	1

9	4L7108	VALVE	1
10	3N7275	HOSE ASSEM. --35.6 cm(14.02 in.)	1
11	6K1972	ELBOW	1
12	2P2718	CAP ASSEM.	1
13	3N4395	PIPE	1
14	2P2720	GASKET	1
15	9M5732	RIVET	1
16	2A3211	WASHER	1
17	6N2554	SHUTOFF GROUP (includes)	1
18	7J9018	BOLT	1

19	3N9371	SPRING	1
20	3N2817	PLUNGER	1
21	51616	BOLT	2
22	254652	WASHER	2
23	3N9644	COVER	1
24	5N2487	DIAPHRAGM	1
	3B7764	BUSHING	1

172755



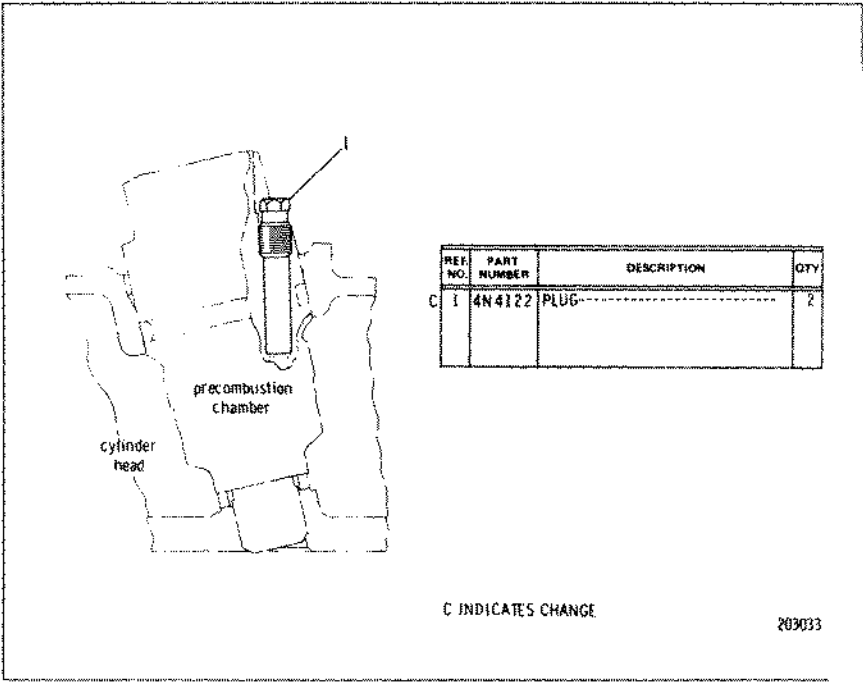
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4780	TEE	1
2	3B6553	ELBOW	2
		(Use as Required)	
3	3N9644	COVER	1
4	5N6121	TUBE ASSEM.	1
5	5K9235	ELBOW	1
6	6N6597	GASKET	1
7	5N6120	TUBE ASSEM.	1
8	5K9246	CONNECTOR	1

9	4L7108	VALVE	1
10	3N7275	HOSE ASSEM. ---35,6 cm(14,02 in.)	1
	4S6399	CONNECTOR	1
11	3N8554	FLANGE	1
12	2P2720	GASKET	1
13	6N2554	SHUTOFF GROUP	1
		(Includes)	
14	719018	BOLT	1
15	4B258	SPRING	1
16	3N9371	SPRING	1
17	3N2817	PLUNGER	1

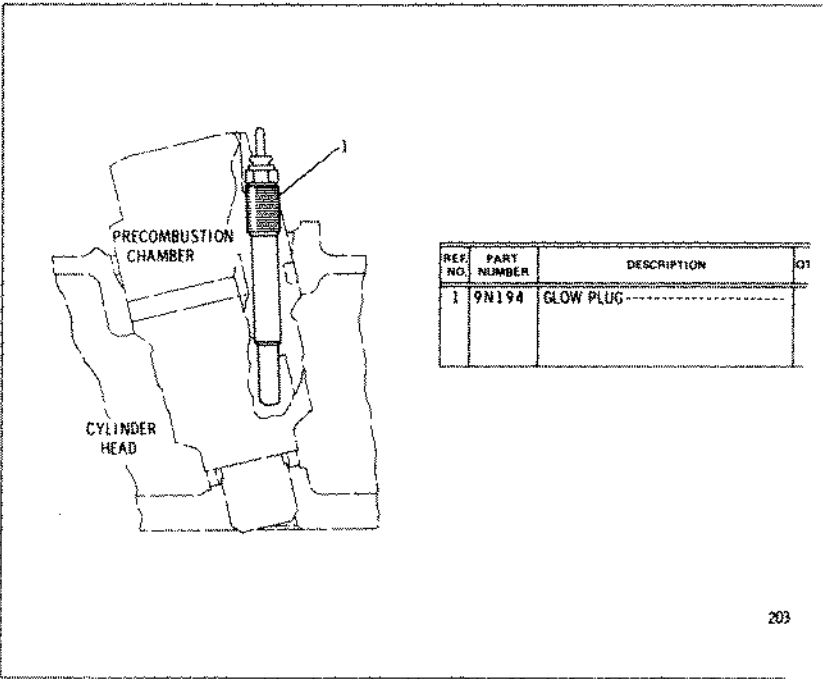
18	51616	BOLT	2
	254652	WASHER	2
19	5N2487	DIAPHRAGM	1
20	3B7764	BUSHING	1

172757

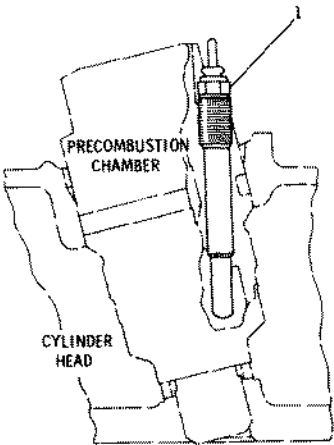
5N6117 MECHANICAL SHUT-OFF GROUP—Oil Pressure and Water Temperature
Serial No. 66D32187—Up
CANNOT BE USED WITH L.H. OIL FILLER. AN ATTACHMENT



3N3892 DUMMY GLOW PLUG GROUP—3 Required



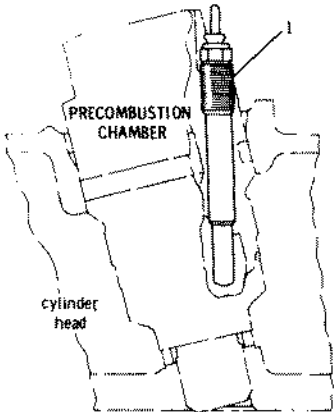
2N1204 GLOW PLUG GROUP—12 Volt—3 Required



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N360	GLOW PLUG-----	2

203021

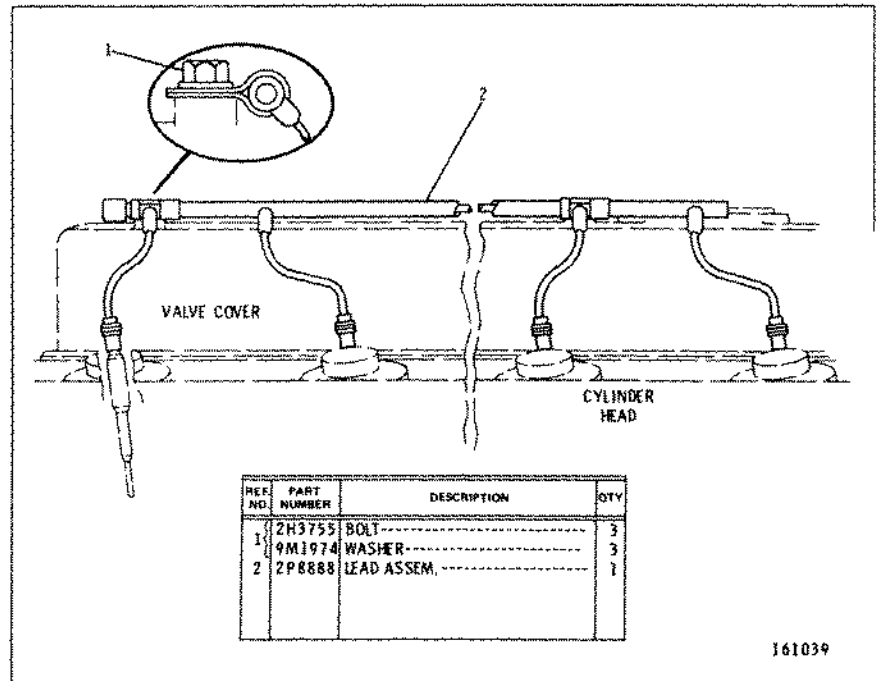
6N1058 GLOW PLUG GROUP—24 Volt—3 Required
AN ATTACHMENT



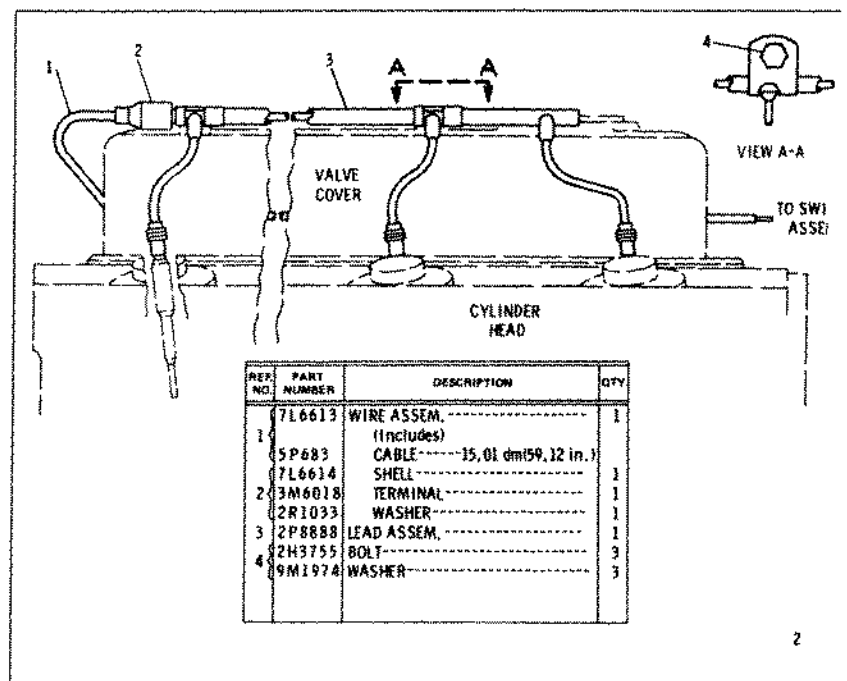
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4841	PUG-----	2

203011

6N1059 GLOW PLUG GROUP—32 Volt—3 Required

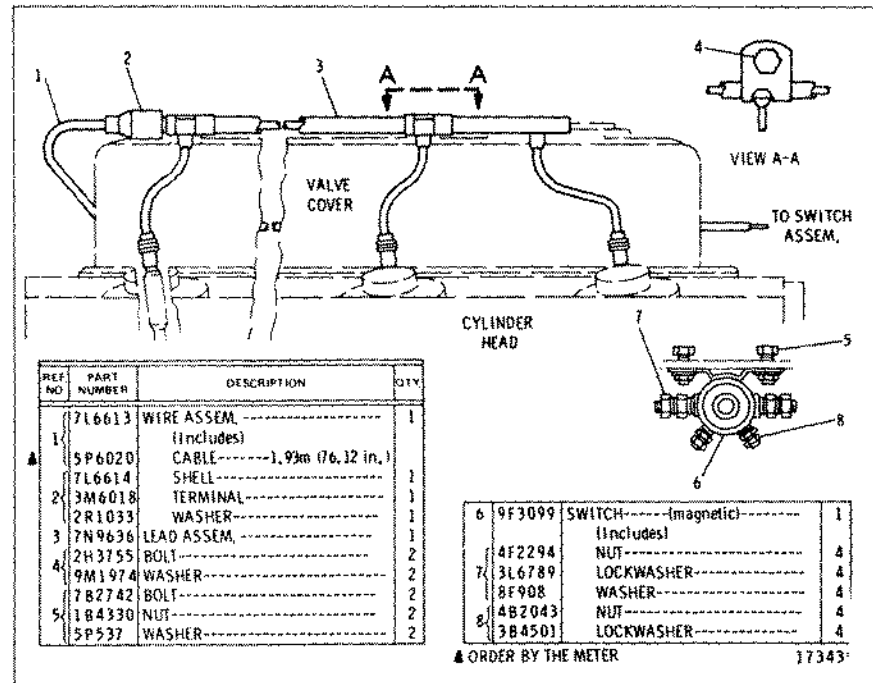


161039

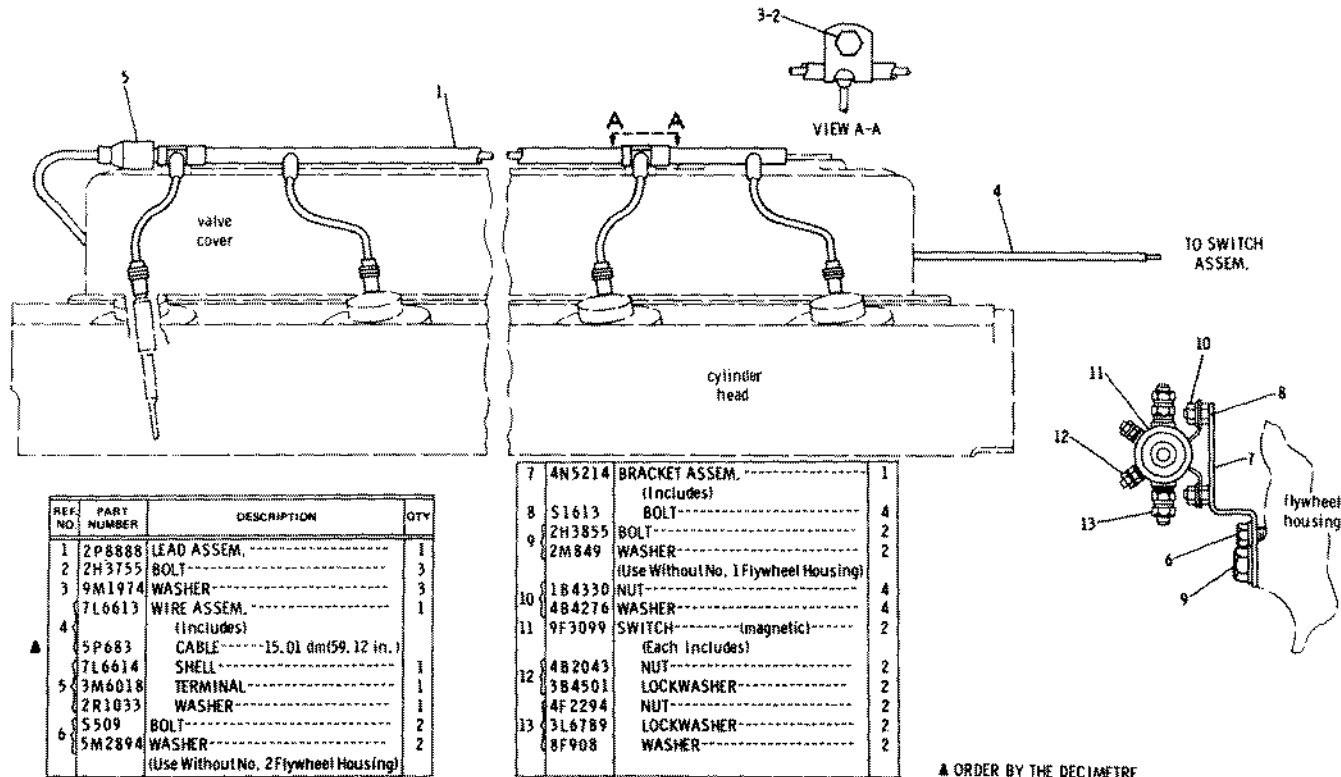
6N9479 GLOW PLUG MOUNTING GROUP
AN ATTACHMENT

2

6N9479 GLOW PLUG MOUNTING GROUP

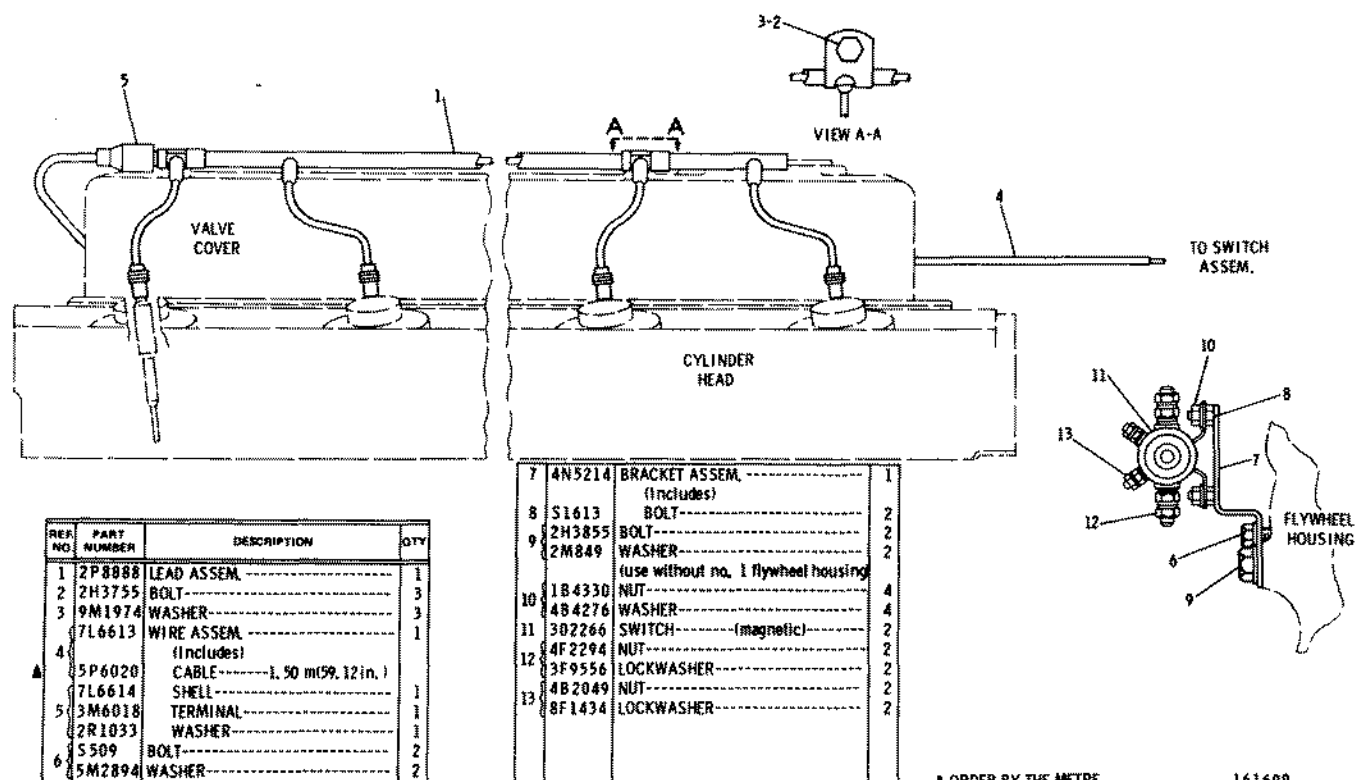


5N5649 GLOW PLUG MOUNTING GROUP—Grounded—24 Volt
AN ATTACHMENT



6N982 GLOW PLUG MOUNTING GROUP
AN ATTACHMENT

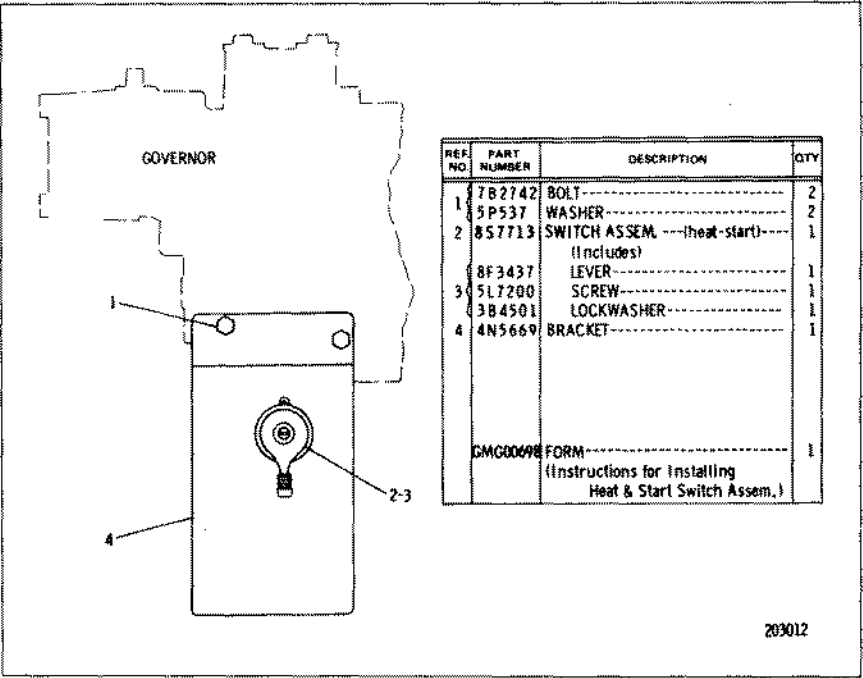
6N7746 GLOW PLUG MOUNTING GROUP—Insulated
AN ATTACHMENT



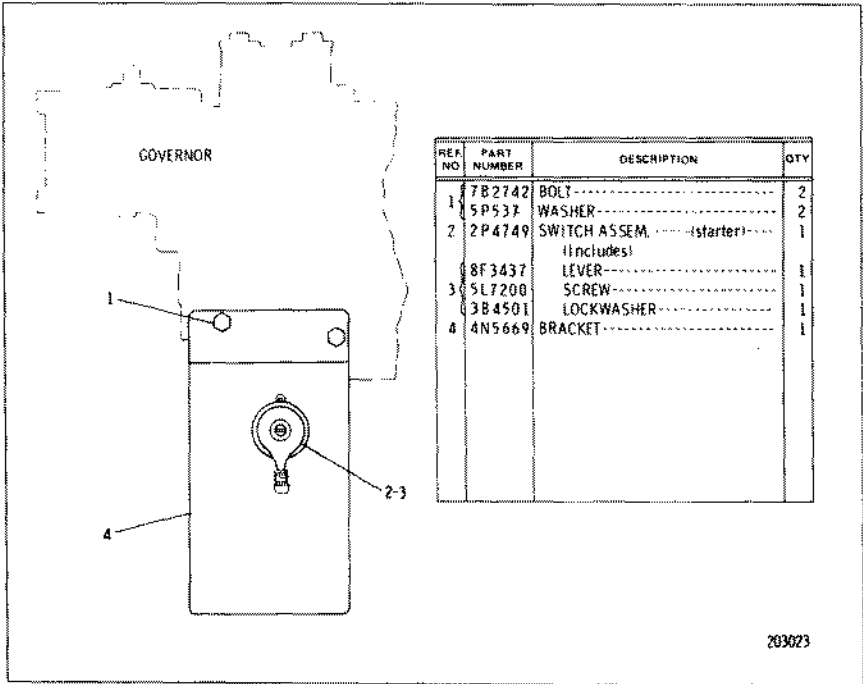
▲ ORDER BY THE METRE

161609

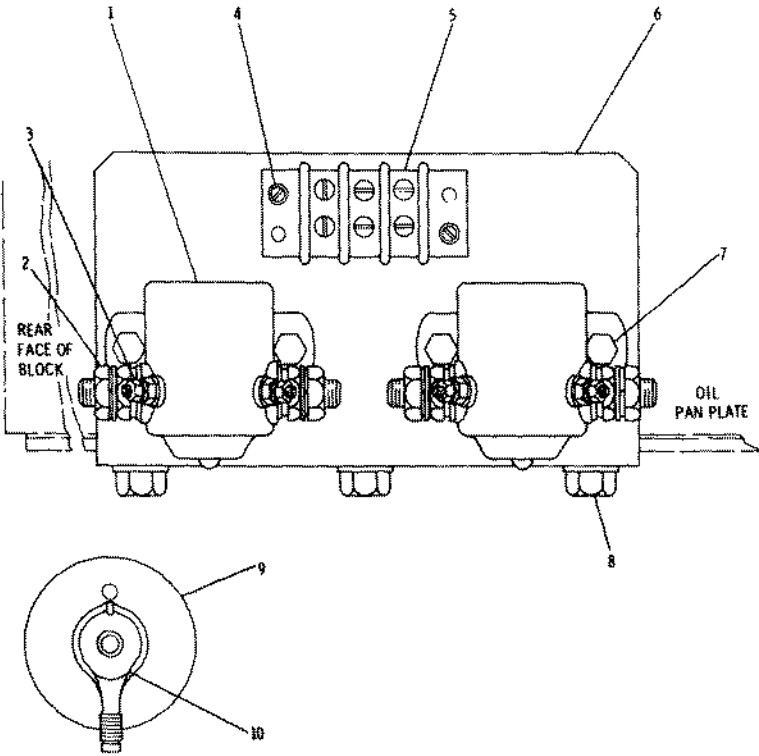
CATERPILLAR 3306 INDUSTRIAL ENGINE



4N7107 HEAT START SWITCH GROUP
FOR USE WITH GLOW PLUGS
AN ATTACHMENT



4N7106 HEAT START SWITCH GROUP
FOR USE WITH GLOW PLUGS



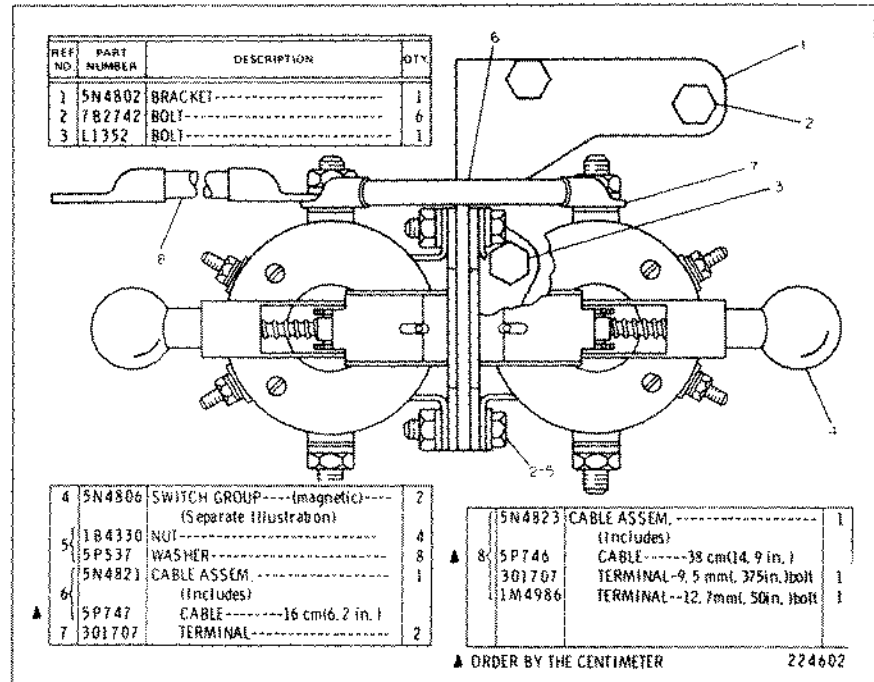
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9F3099	SWITCH-----	2
		(Each Includes)	
2	4F2294	NUT-----	2
	3L6789	LOCKWASHER-----	2
	8F908	WASHER-----	2
3	4B2043	NUT-----	2
	3B4501	LOCKWASHER-----	2
4	4B1238	SCREW-----	2
	3B4502	LOCKWASHER-----	2
5	3K1669	TERMINAL STRIP-----	1
6	3N5516	BRACKET-----	1
7	51614	BOLT-----	4
	3B4504	LOCKWASHER-----	4

8	2P3201	BOLT-----	3
9	1M3363	PLATE-----	1
10	8S7713	SWITCH ASSEM.-----	1
		(Includes)	
	8F3437	LEVER-----	1
11	5L7200	SCREW-----	1
	3B4501	LOCKWASHER-----	1
	6M00698	FORM--(Installation Instructions)--	1
	3N5515	WIRING DIAGRAM-----	1

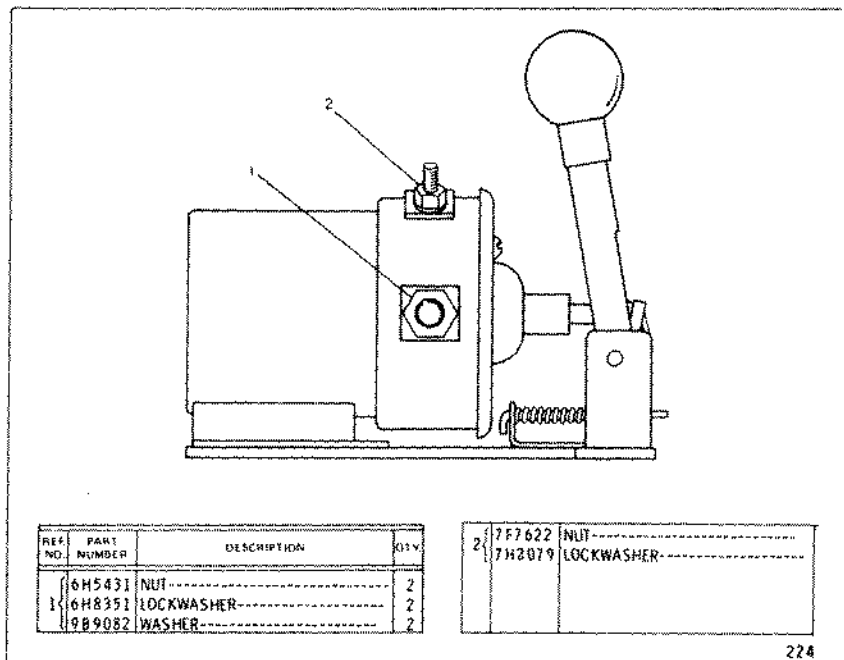
▲ NOT SHOWN

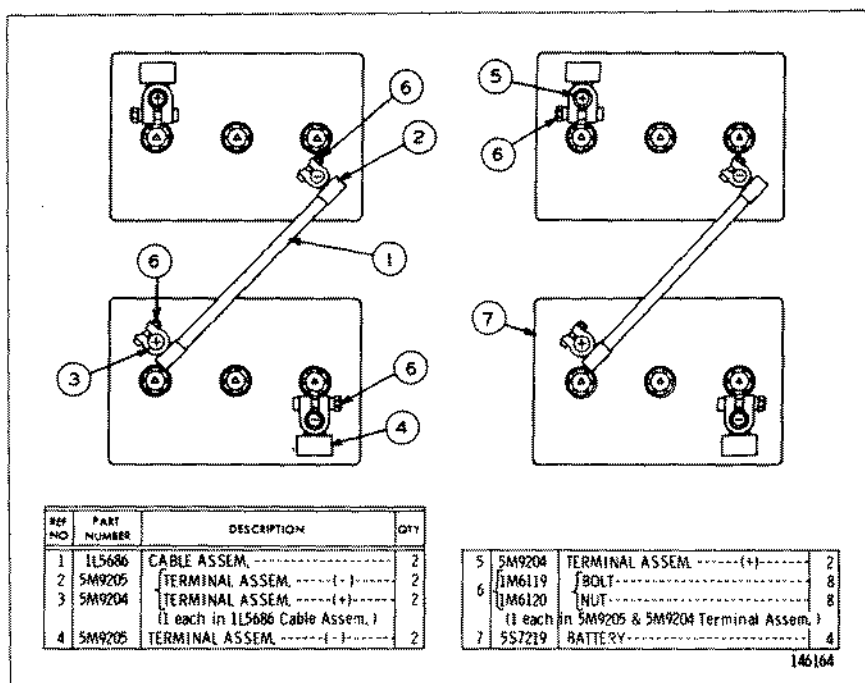
147834

3N7785 REMOTE STARTING SWITCH GROUP
FOR USE WITH MOBILE APPLICATION ENGINES
AN ATTACHMENT

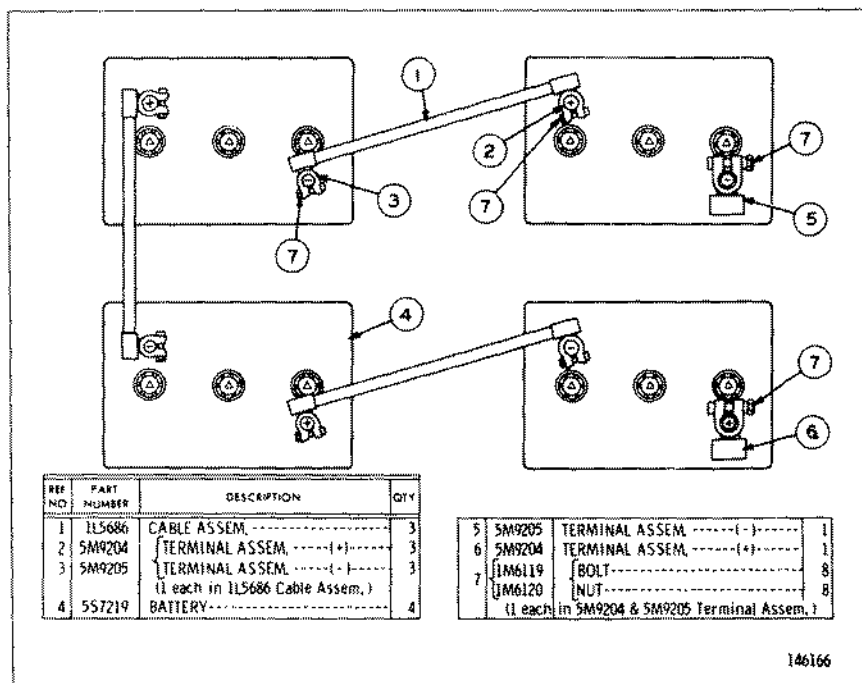


5N4829 REMOTE STARTING SWITCH GROUP
FOR USE WITH FIRE PUMP ENGINES LISTED ON PAGES 37N & 37P
5N4806 Switch parts are shown on Page 291B

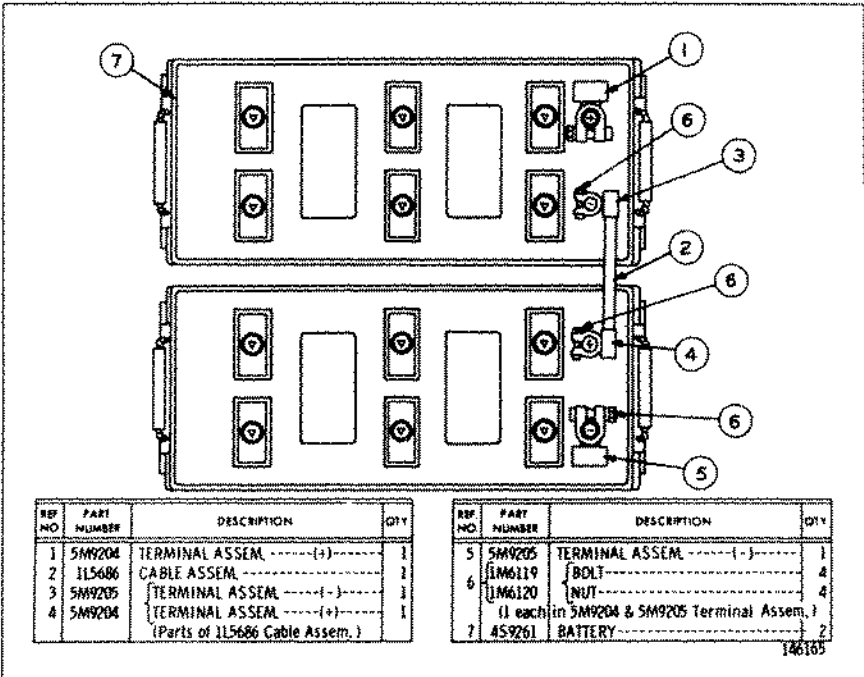




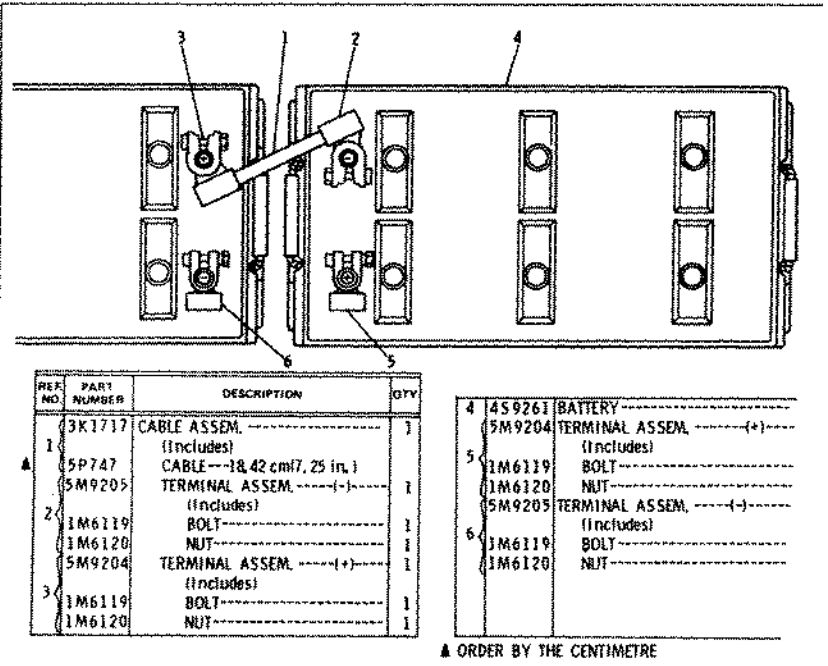
7L7867 BATTERY GROUP—12 Volt, 240 Ampere Hours
FOR USE ABOVE 30 DEGREES FAHRENHEIT TEMPERATURE
AN ATTACHMENT



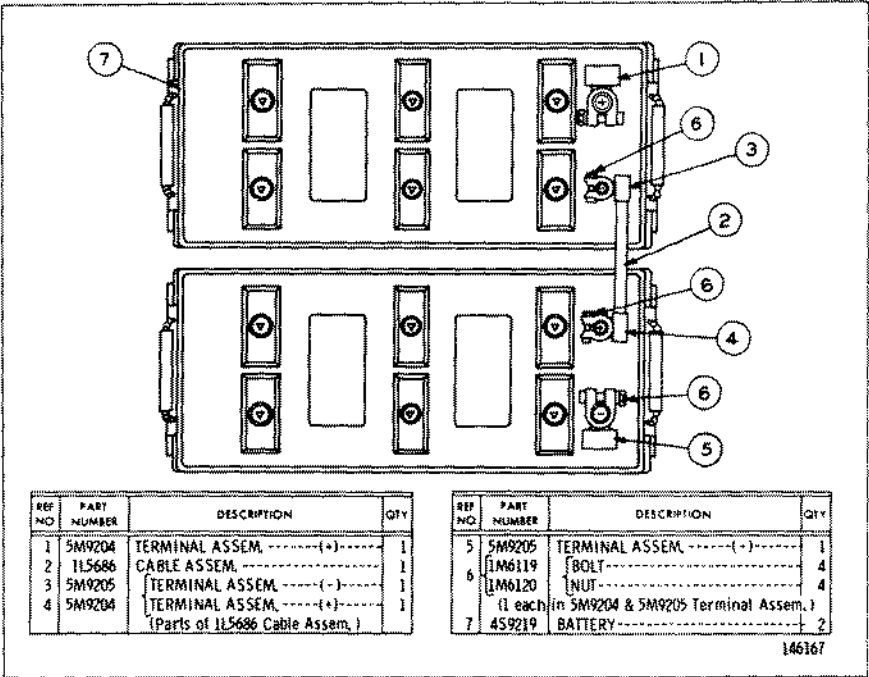
7L7870 BATTERY GROUP—24 Volt, 120 Ampere Hours



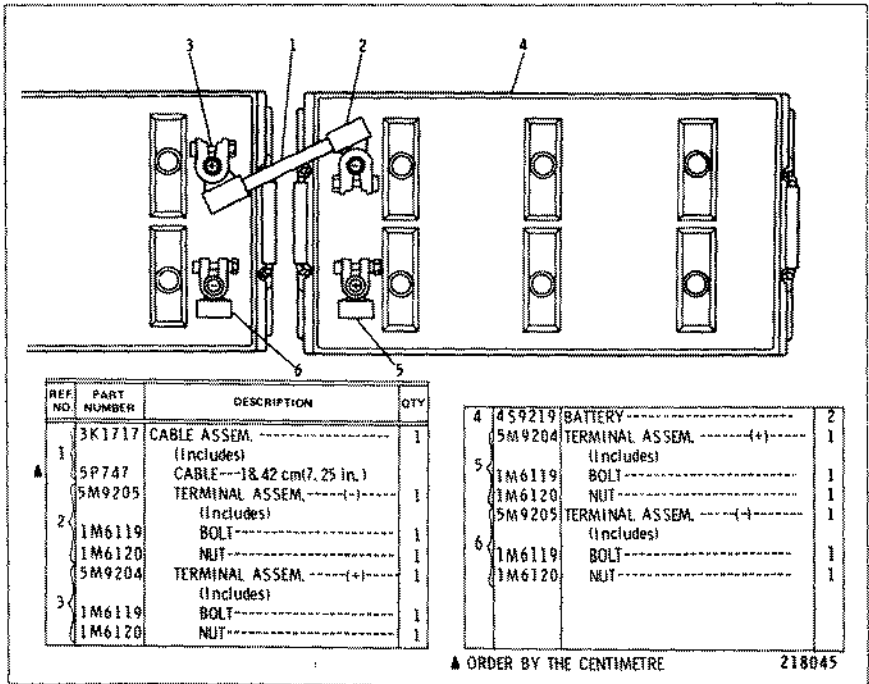
7L7871 BATTERY GROUP—24 Volt, 172 Ampere Hours
FOR USE BETWEEN 0 DEGREES AND 30 DEGREES FAHRENHEIT TEMPERATURE
AN ATTACHMENT



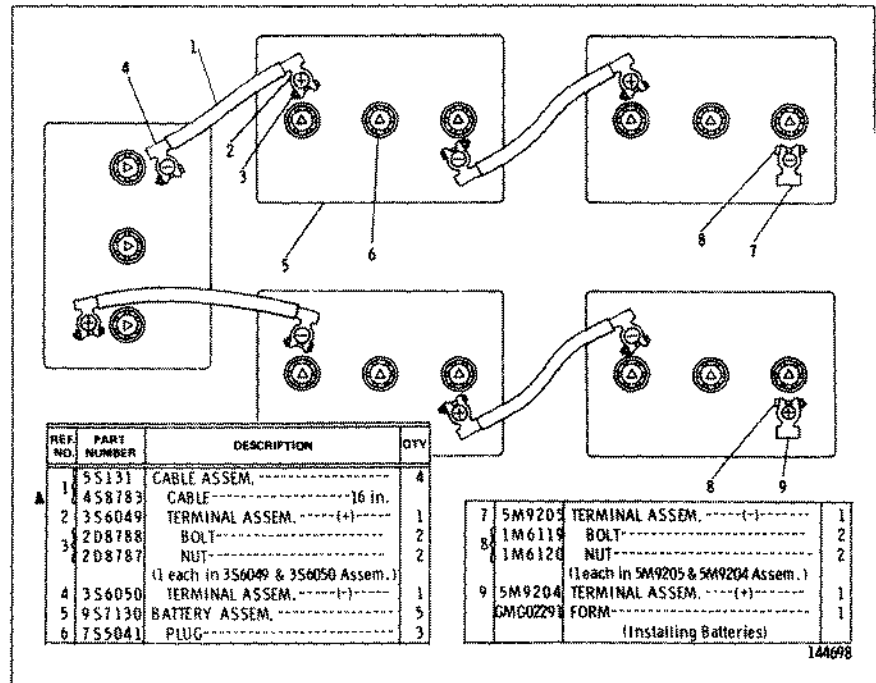
7L7871 BATTERY GROUP—24 Volt, 172 Ampere Hours



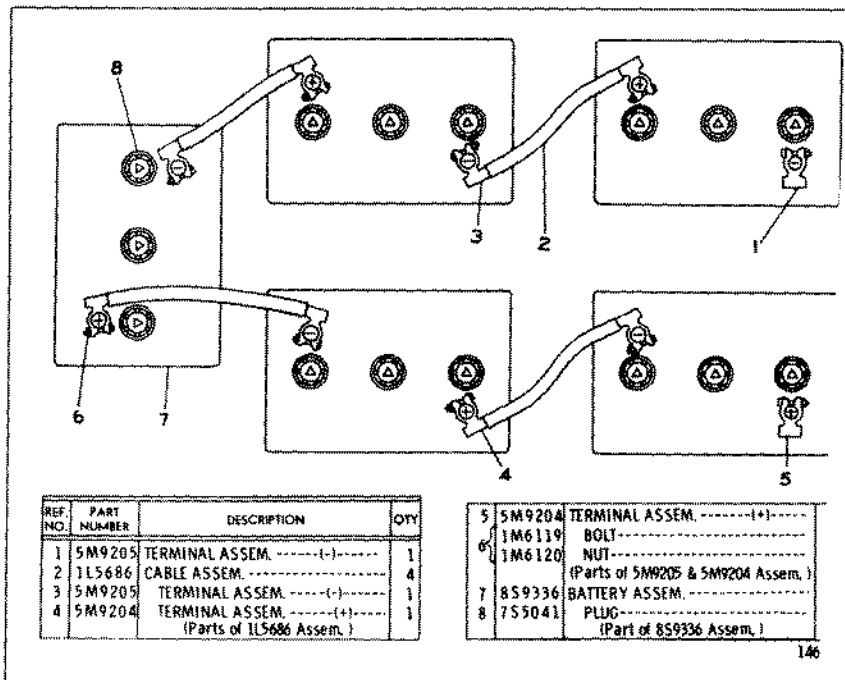
7L7872 BATTERY GROUP—24 Volt, 220 Ampere Hours
FOR USE BETWEEN -20 DEGREES AND 0 DEGREES FAHRENHEIT
TEMPERATURES. AN ATTACHMENT



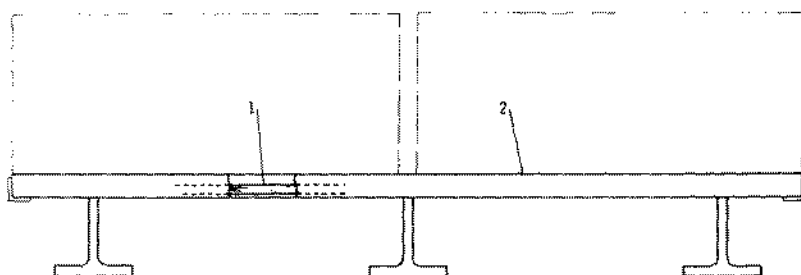
5N2123 BATTERY GROUP—24 Volt, 220 Ampere Hours



1H1342 BATTERY GROUP--30 Volt, 200 Ampere Hours
FOR USE WITH MARINE AUXILIARY ENGINE WITH TEMPERATURES
BETWEEN -20 DEGREES AND 0 DEGREES FAHRENHEIT. AN ATTACHMENT

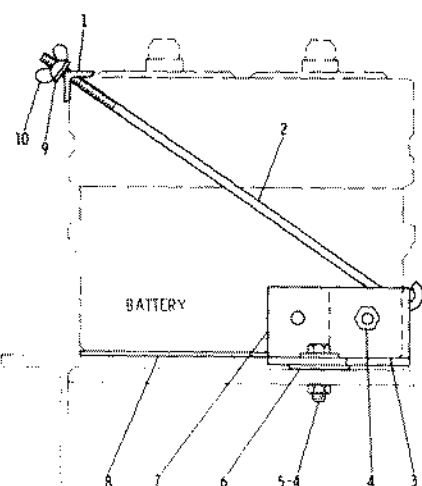


1H1342 BATTERY GROUP--30 Volt, 170 Ampere Hours



REF NO	PART NUMBER	DESCRIPTION	QTY
1	3N7055	BOARD	1
2	3N7054	SUPPORT ASSEM.	1

117968

3N7056 BATTERY SUPPORT GROUP
AN ATTACHMENT

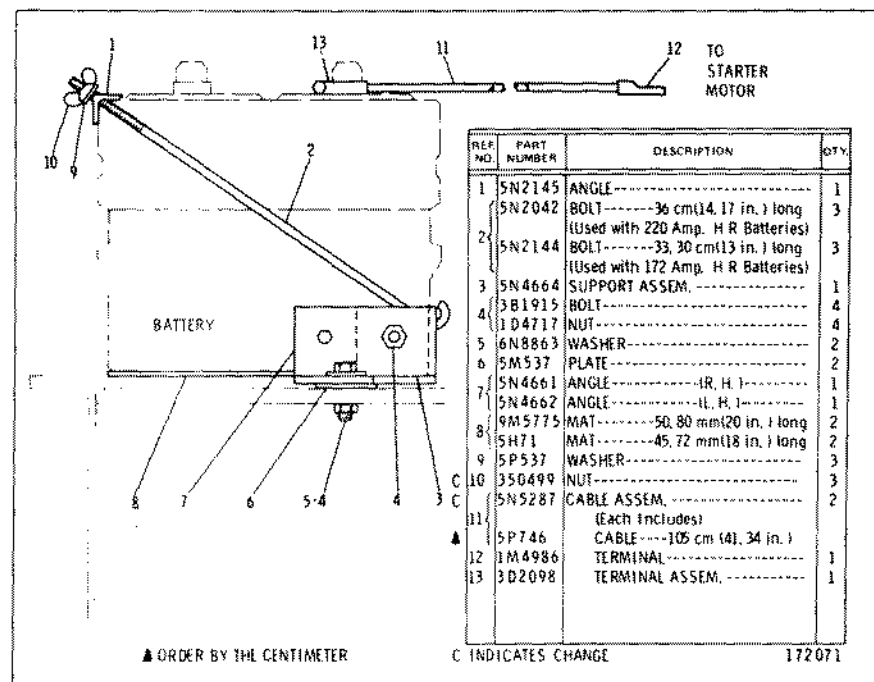
REF NO	PART NUMBER	DESCRIPTION	QTY
1	5N2145	ANGLE	1
	5N2042	BOLT-----36 cm(14.17 in.) long (Used with 220 Amp. H R Batteries)	3
2	5N2144	BOLT-----33.30 cm(13 in.) long (Used with 172 Amp. H R Batteries)	3
3	5N4664	SUPPORT ASSEM.	1
4	381915	BOLT	4
	104717	NUT	4
5	6N8863	WASHER	2
6	5M537	PLATE	2
7	5N4661	ANGLE-----4R. H.	1
	5N4662	ANGLE-----4L. H.	1
8	9A15775	MAT-----50.80 mm(20 in.) long	2
	5H71	MAT-----45.72 mm(18 in.) long	2
9	5P537	WASHER	3
10	1F1739	NUT	3

218047

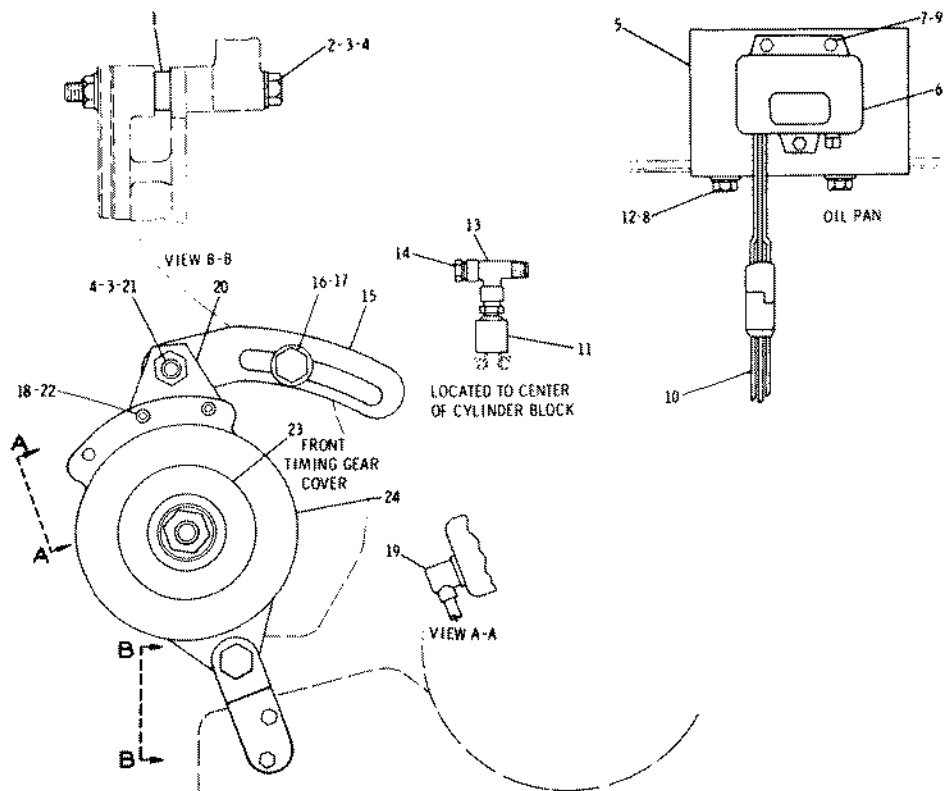
5N4665 BATTERY SUPPORT GROUP—Type 1

CONSISTS OF:

- 6L4027 BATTERY CHARGER--120 VOLT INPUT
 6L7311 BATTERY CHARGER--208 VOLT INPUT
 6L4111 BATTERY CHARGER--240 VOLT INPUT

BATTERY CHARGER
AN ATTACHMENT

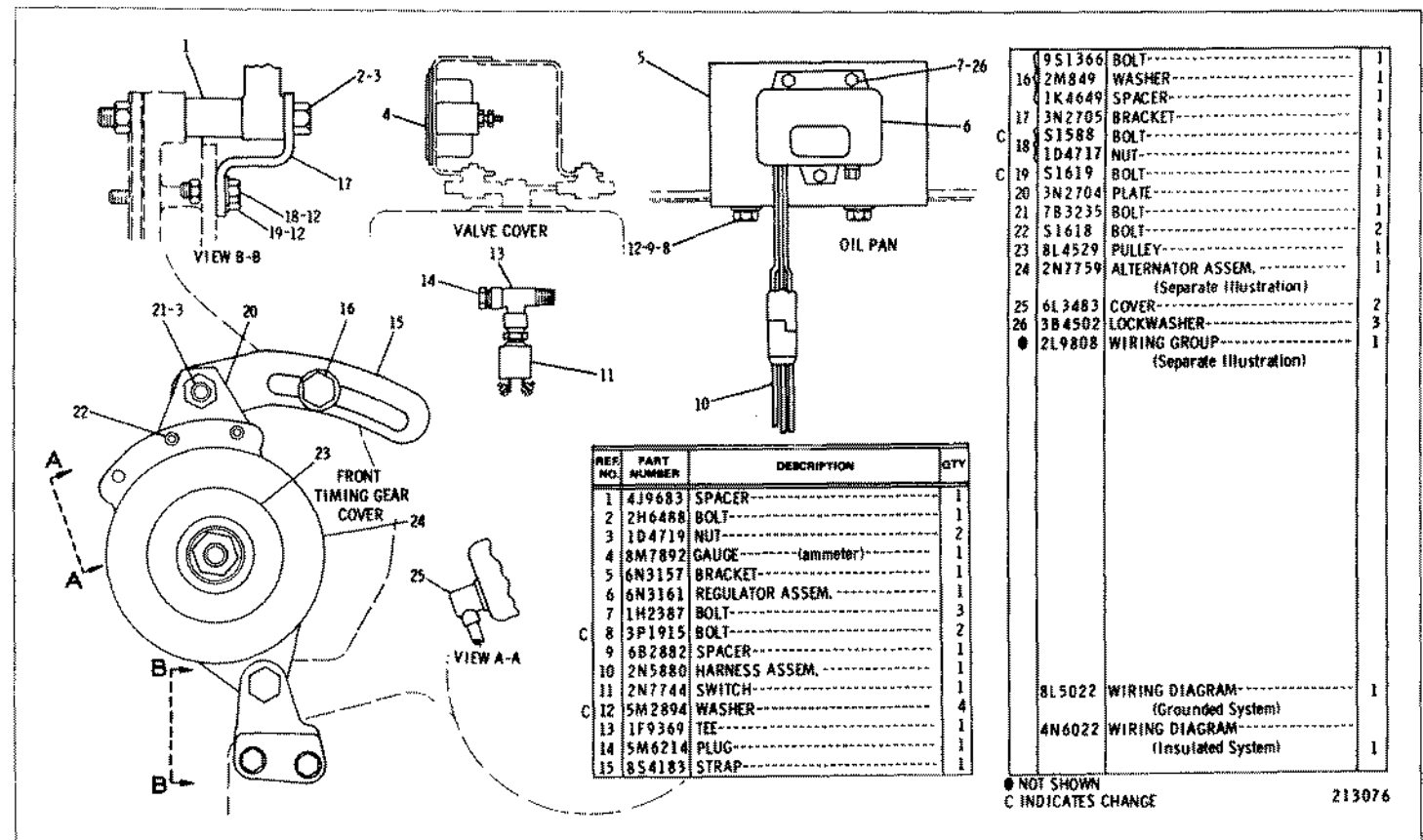
BATTERY SUPPORT BRACKET Type 2

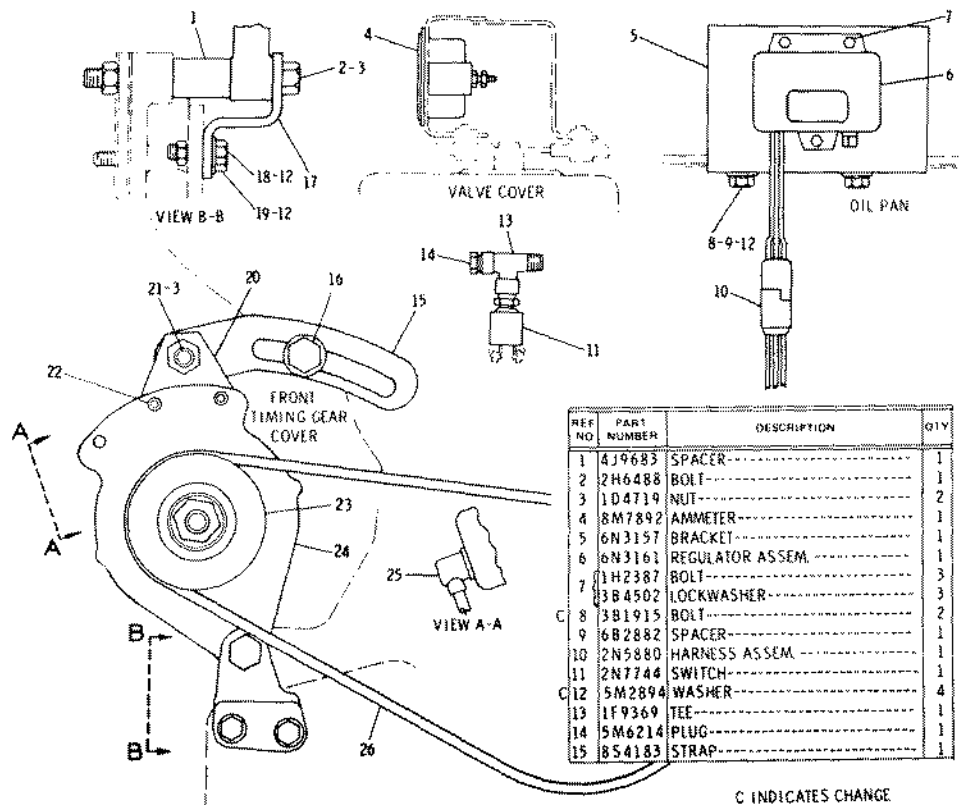


REF NO	PART NUMBER	DESCRIPTION	QTY
C 1	1B4264	COLLAR-----	1
C 2	2H6488	BOLT-----	1
3	1D4719	NUT-----	2
C 4	2M849	WASHER-----	4
5	6N3157	BRACKET-----	1
6	6N3161	REGULATOR ASSEM.-----	1
7	1H2387	BOLT-----	3
8	3B1915	BOLT-----	2
9	3B4502	LOCKWASHER-----	3
10	2N5880	HARNESSE ASSEM.-----	1
11	2N7744	SWITCH----- (oil pressure)	1
C 12	5M2894	WASHER-----	2
13	1F9369	TEE-----	1
14	5M6214	PLUG-----	1
C 15	8S4183	STRAP-----	1
C 16	9S1366	BOLT-----	1
C 17	4N3371	WASHER-----	1
C 18	1K4649	SPACER-----	1
C 19	9M1974	WASHER-----	2
20	6L3483	COVER-----	2
21	3N2704	PLATE-----	1
C 22	S1585	BOLT-----	1
C 23	S1618	BOLT-----	2
24	8L4529	PULLEY-----	1
	2N7759	ALTERNATOR ASSEM.----- (Separate Illustration)	1
●	2L9808	WIRING GROUP----- (Separate Illustration)	1
	8L5022	WIRING GROUP----- (Grounded System)	1
● NOT SHOWN C INDICATES CHANGE			217901

4N8778 ALTERNATOR GROUP—12 Volt, 55 Ampere
FOR USE WITH 7N744 SUPPORT GROUP SHOWN ON PAGE 71
2N7759 Alternator and 2L9808 Wiring parts are shown on Pages 308 and 316
AN ATTACHMENT

3N2708 ALTERNATOR GROUP—12 Volt, 55 Ampere
 FOR USE WITH FAN DRIVE
 2N7759 Alternator and 2L9808 Wiring parts are shown on Pages 308 and 316
 AN ATTACHMENT





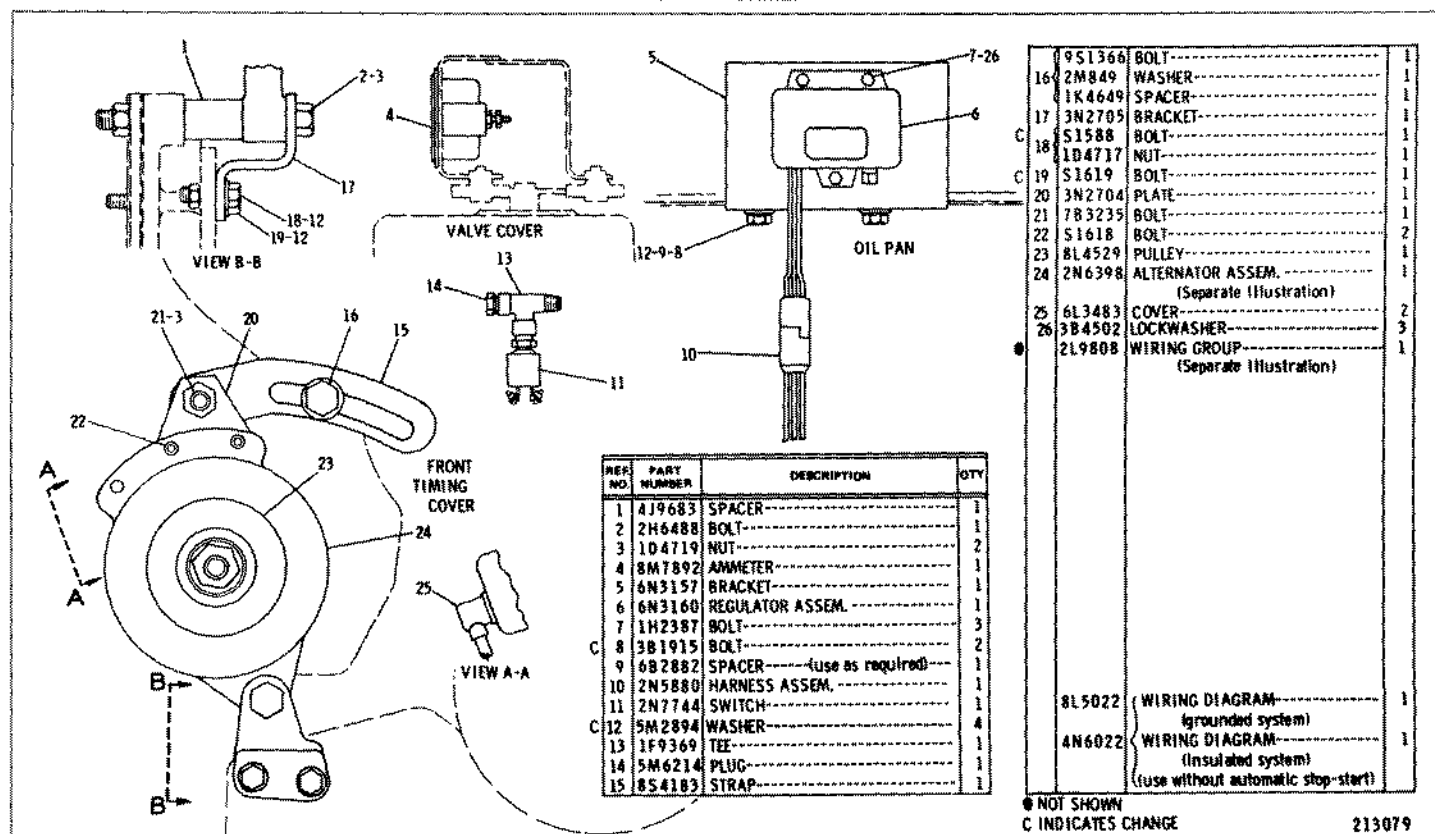
9S1366	BOLT	1
2M849	WASHER	1
1K4649	SPACER	1
3N2705	BRACKET	1
51588	BOLT	1
1D4717	NUT	1
51619	BOLT	1
3N2704	PLATE	1
7B3235	BOLT	1
51618	BOLT	2
8L4897	PULLEY	1
2N7759	ALTERNATOR ASSEM. (Separate Illustration)	1
6L3483	COVER	2
7L2449	VEE BELT (large)	1
5B7168	VEE BELT (small)	1
1L9899	MARKER (Card of)	1
5P5629	WIRE (14 gauge) 3.04 m (120 in.)	10
5P6021	WIRE (18 gauge) 6.09 m (240 in.)	10
2L9724	CLIP	6
2L8075	TERMINAL (No. 8 Screw)	3
2L8077	TERMINAL (1/4 in. Screw)	1
2L8081	TERMINAL (1/2 in. Screw)	1
2L8057	TERMINAL (No. 10 Screw)	10
2L8058	TERMINAL (1/4 in. Screw)	2
2L8060	TERMINAL (3/8 in. Screw)	2
2L8061	TERMINAL (1/2 in. Screw)	3
3S2093	TIE 18.56 cm (7.31 in.) long	2
8L8413	TIE 13.97 cm (5.5 in.) long	1
8L5022	WIRING DIAGRAM (Grounded System)	1
4N6022	WIRING DIAGRAM (Insulated System - Use Without Automatic Start-Stop)	1

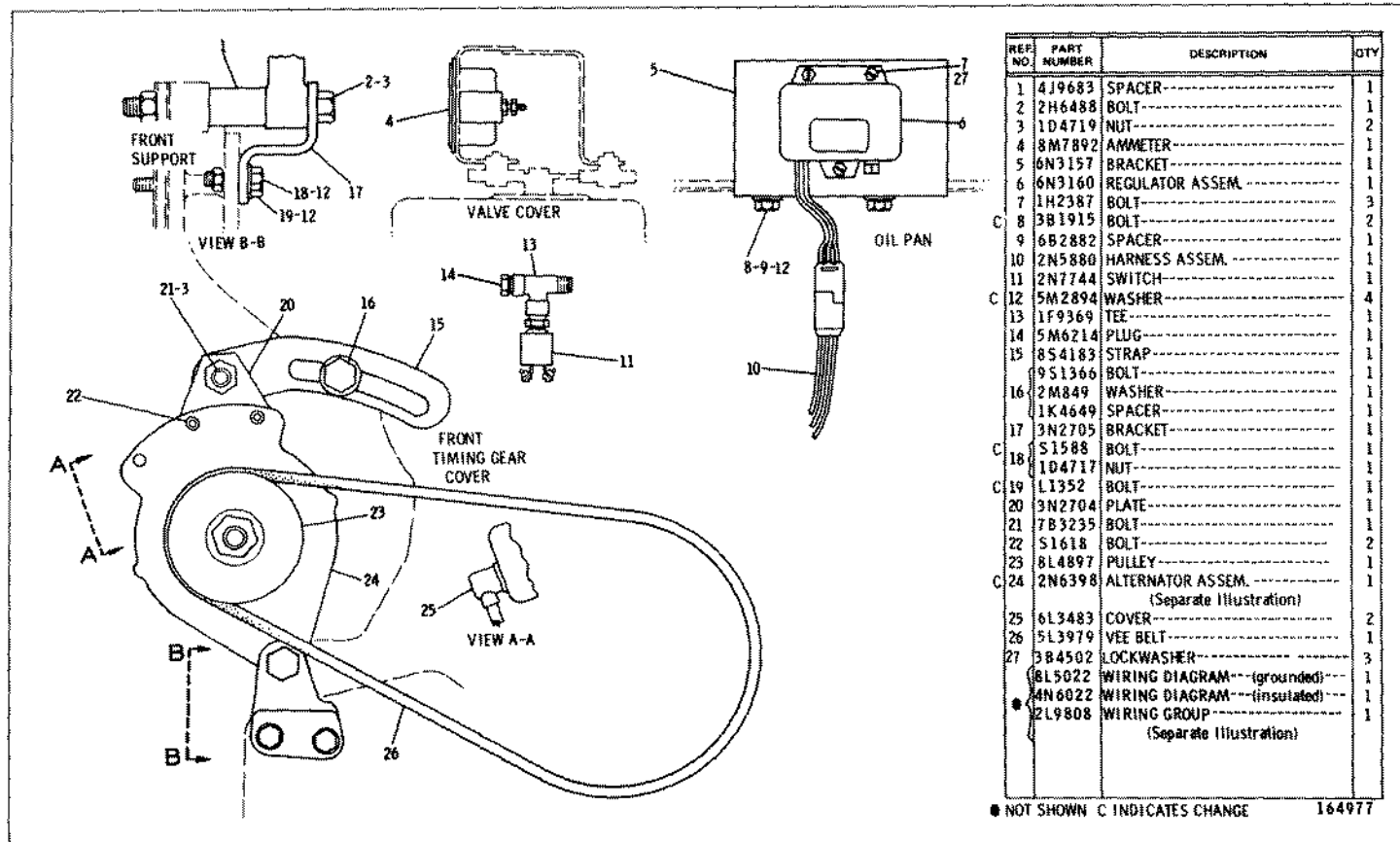
▲ ORDER BY THE METER ● NOT SHOWN
■ USE AS REQUIRED

224343

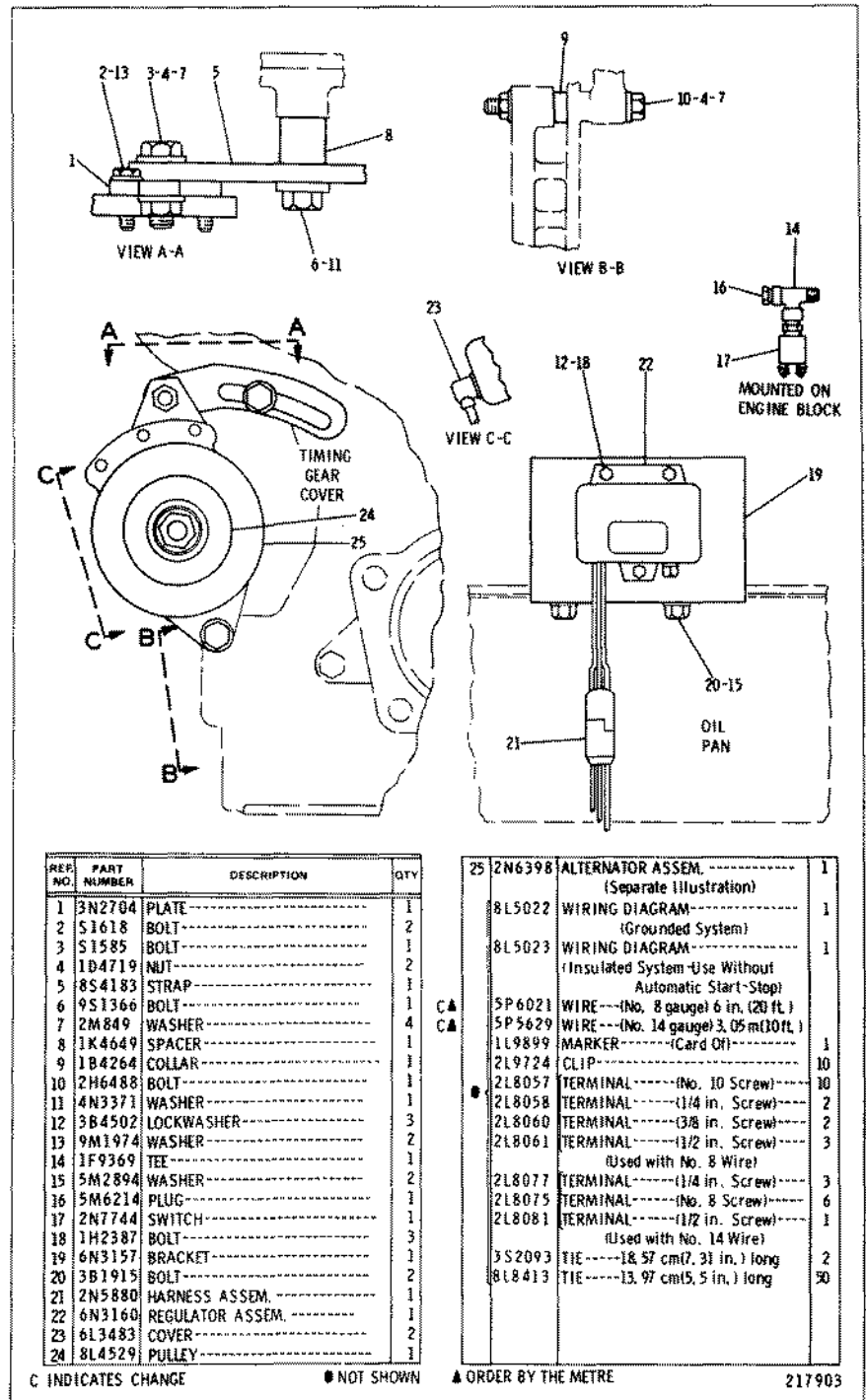
3N2709 ALTERNATOR GROUP—12 Volt, 55 Ampere
CANNOT BE USED WITH FAN DRIVE
2N7759 Alternator parts are shown on Page 308
AN ATTACHMENT

3N2706 ALTERNATOR GROUP—24 Volt, 35 Ampere
FOR USE WITH FAN DRIVE
2N6398 Alternator and 2L9808 Wiring parts are shown on Pages 309 and 316
AN ATTACHMENT

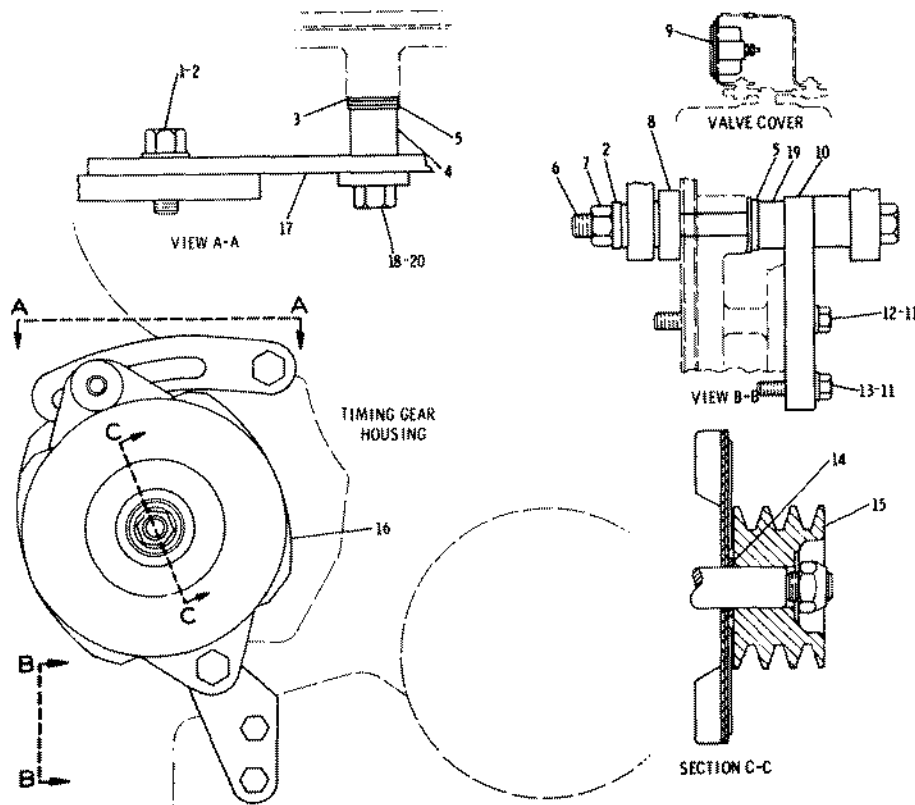




3N2707 ALTERNATOR GROUP—24 Volt, 35 Ampere
CANNOT BE USED WITH FAN DRIVE OR FRONT POWER TAKE-OFF
2N6398 Alternator and 2L9808 Wiring parts are shown on Pages 309 and 316
AN ATTACHMENT



3N6986 ALTERNATOR GROUP—24 Volt, 35 Ampere
 FOR USE WITH 7N744 SUPPORT GROUP SHOWN ON PAGE 71
 2N6398 Alternator parts are shown on Page 309
 AN ATTACHMENT

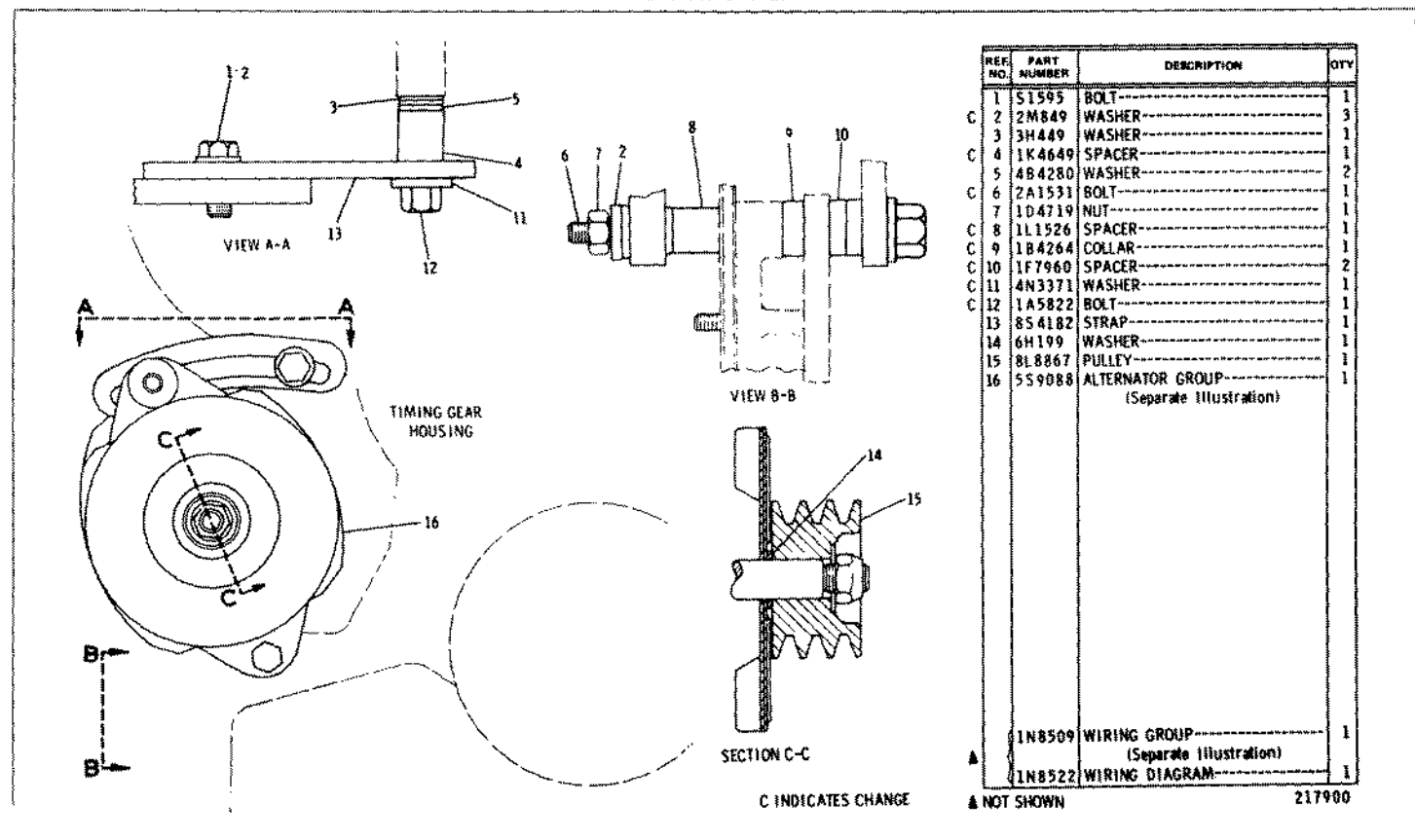


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7B3235	BOLT-----	1
C 2	5P8245	WASHER-----	3
C 3	3H449	LOCK-----	2
4	1K4649	SPACER-----	1
C 5	4B4280	WASHER-----	3
6	2A1531	BOLT-----	1
7	1D4719	NUT-----	1
8	1L1526	SPACER-----	1
9	8M7892	AMMETER-----	1
C 10	7N1425	BRACKET ASSEM.-----	1
C 11	5M2894	WASHER-----	2
C 12	L1352	BOLT-----	1
C 13	S1591	BOLT-----	1
14	6H199	WASHER-----	1
15	8L8867	PULLEY-----	1
16	5S9088	ALTERNATOR GROUP----- (Separate Illustration)	1
17	8S4182	STRAP-----	1
C 18	1A5822	BOLT-----	1
C 19	1M1993	SPACER-----	1
C 20	4N3371	WASHER-----	1
▲	1N8509	WIRING GROUP----- (Separate Illustration)	1
▲	1N8522	WIRING DIAGRAM-----	1

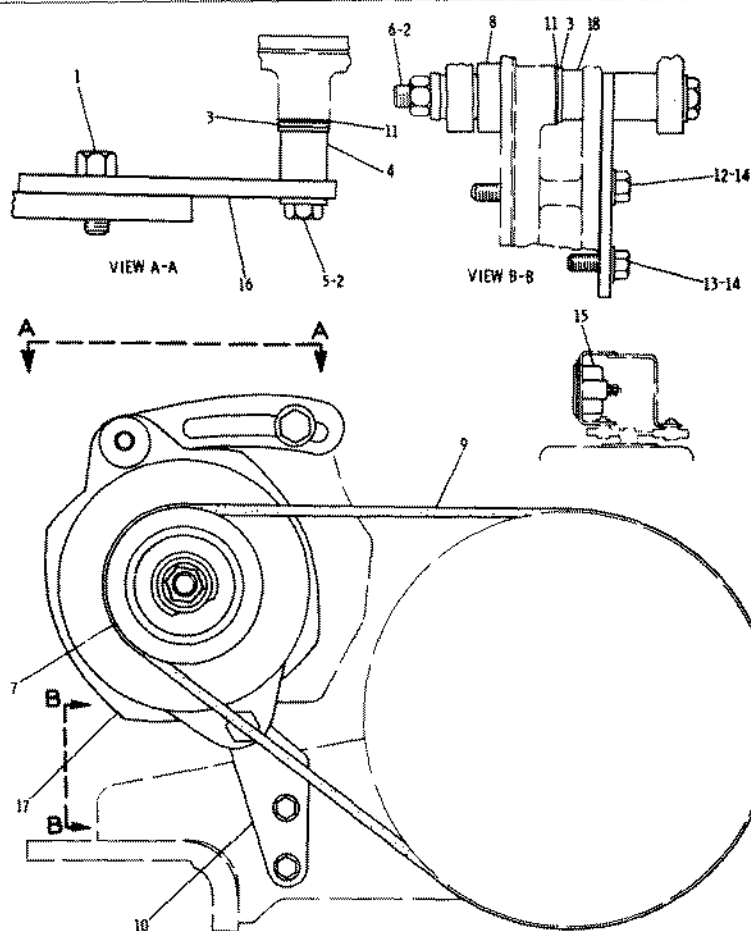
▲ NOT SHOWN C INDICATES CHANGE 217961

3N2758 ALTERNATOR GROUP—24 Volt, 50 Ampere
FOR USE WITH FAN DRIVE
5S9088 Alternator and 1N8509 Wiring parts are shown on Pages 310, 311 and 316
AN ATTACHMENT

4N8777 ALTERNATOR GROUP—24 Volt, 50 Ampere
 FOR USE WITH 7N744 SUPPORT GROUP SHOWN ON PAGE 71
 5S9088 Alternator and 1N8509 Wiring parts are shown on Pages 310, 311 and 316
 AN ATTACHMENT



CATERPILLAR 3306 INDUSTRIAL ENGINE



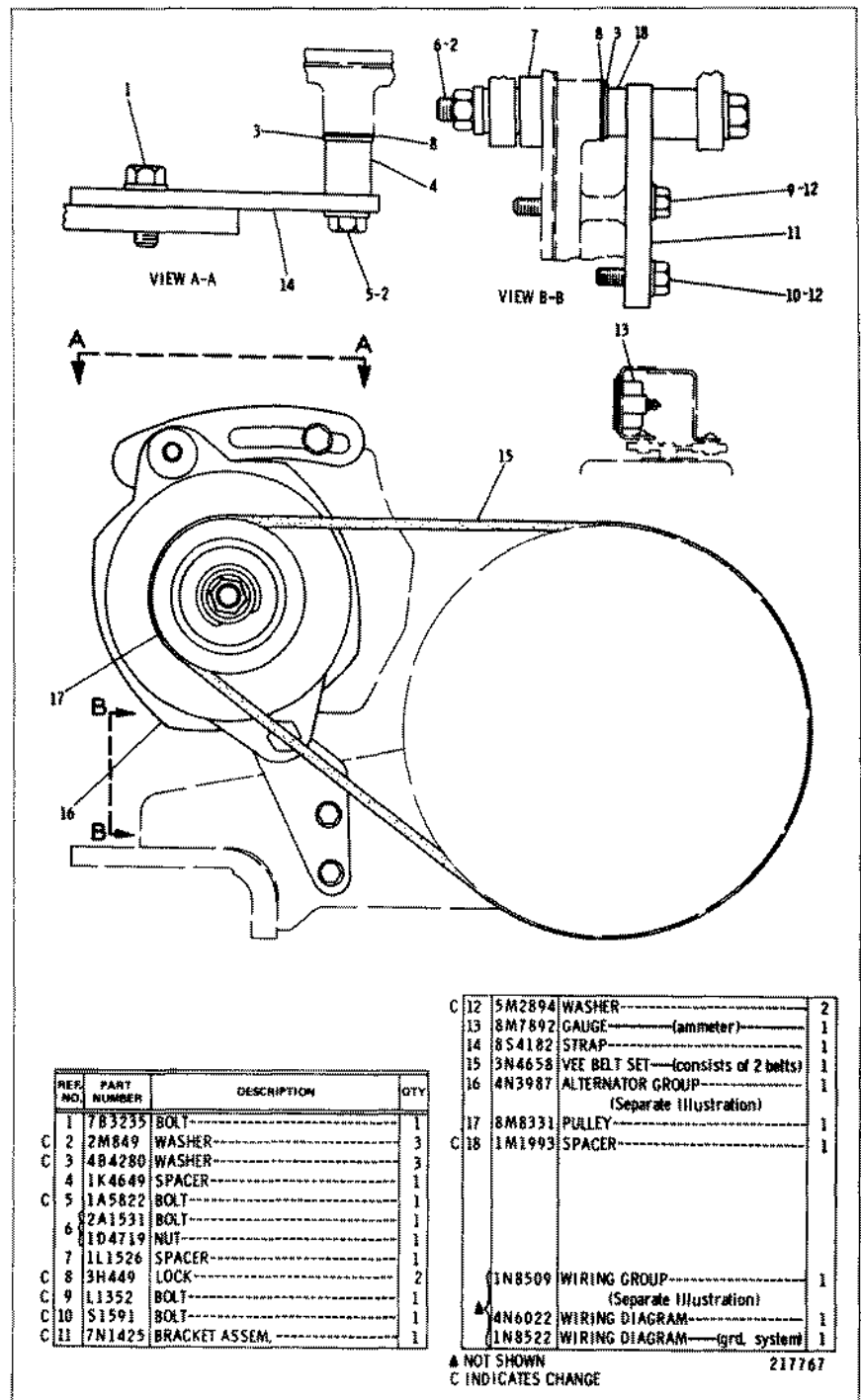
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7B3235	BOLT	1
C 2	2M849	WASHER	3
C 3	4B4280	WASHER	3
4	1K4649	SPACER	1
C 5	1A5822	BOLT	1
6	2A1531	BOLT	1
7	1D4719	NUT	1
8	8M8331	PULLEY	1
9	1L1526	SPACER	1
10	3N4658	VEE BELT SET-- (Consists of 2 Belts)	1
C 10	7N1425	BRACKET ASSEM.	1
C 11	3H449	LOCK	2
C 12	L1352	BOLT	1
C 13	S1591	BOLT	1

C 14	5M2894	WASHER	2
15	8M7892	GAUGE-- (ammeter)--	1
16	8S4182	STRAP	1
17	4N3986	ALTERNATOR GROUP	1
		(Separate Illustration)	
C 18	1M1993	SPACER	1
	1N8509	WIRING GROUP	1
		(Separate Illustration)	
	4N6022	WIRING DIAGRAM	1
	1N8522	WIRING DIAGRAM-- (grd. system)--	1

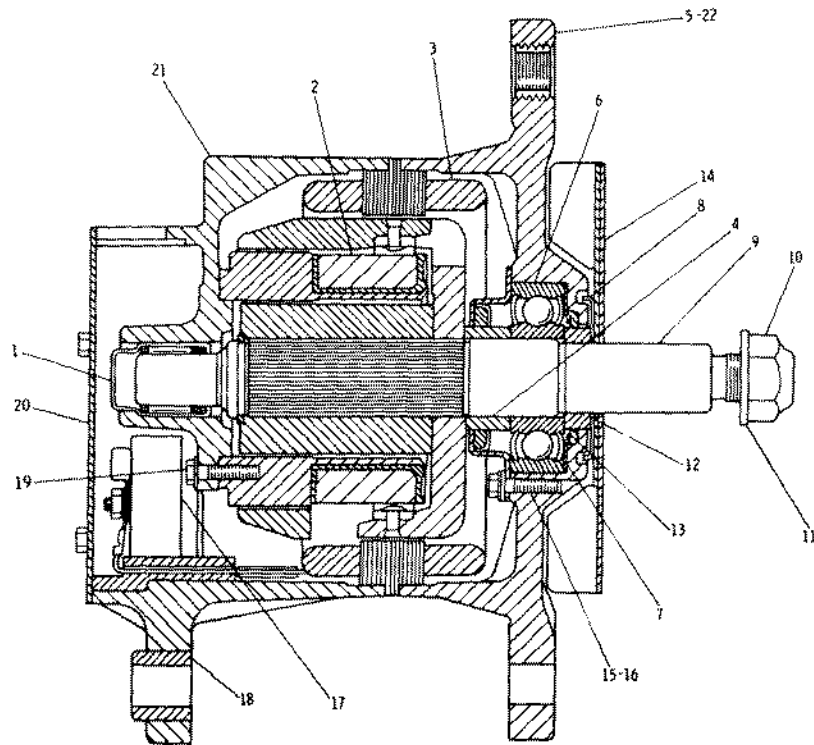
▲ NOT SHOWN
C INDICATES CHANGE

217766

3N4667 ALTERNATOR GROUP—24 Volt, 60 Ampere
FOR USE WITH MARINE AUXILIARY ONLY AND CANNOT BE USED WITH
FRONT POWER TAKE-OFF. 4N3986 Alternator and 1N8509 Wiring parts
are shown on Pages 312, 313 and 316. AN ATTACHMENT



3N4666 ALTERNATOR GROUP—32 Volt, 60 Ampere
FOR USE WITH MARINE AUXILIARY ONLY AND CANNOT BE USED WITH
FRONT POWER TAKE-OFF. 4N3987 Alternator and 1N8509 Wiring parts
are shown on Pages 314, 315 and 316. AN ATTACHMENT



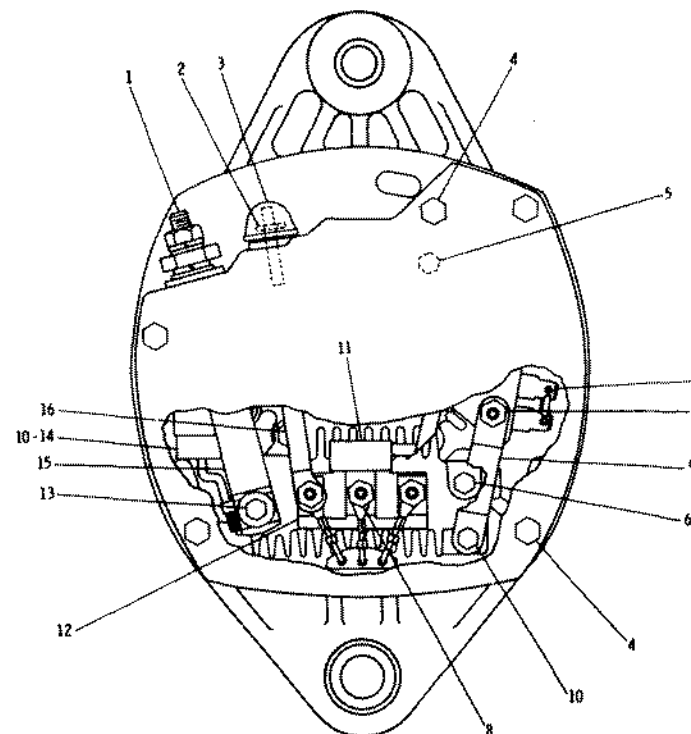
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	5P6920	BEARING	1
2	7N7806	COIL ASSEM.	1
3	7N7804	STATOR ASSEM.	1
4	7N7795	COLLAR	1
5	7N7810	FRAME ASSEM.	1
6	5P9514	BEARING	1
7	9L2140	PLATE	1
8	9L6782	SHIELD	1
9	7N7800	ROTOR ASSEM.	1
10	2K4821	LOCKNUT	1
11	7F7621	WASHER	1
12	9L6783	COLLAR	1
13	9L2139	WASHER	1
14	9N1210	FAN ASSEM.	1
15	7N9020	SCREW ASSEM.	3
16	9L2137	RETAINER ASSEM.	1
C 17	7N7122	RECTIFIER ASSEM.	1
18	9S2396	BUSHING	1
19	9S2007	SCREW	4
20	7N7809	PLATE	1
C 21	7N7805	HOUSING	1
22	7N9024	BOLT	4

C INDICATES CHANGE

226124

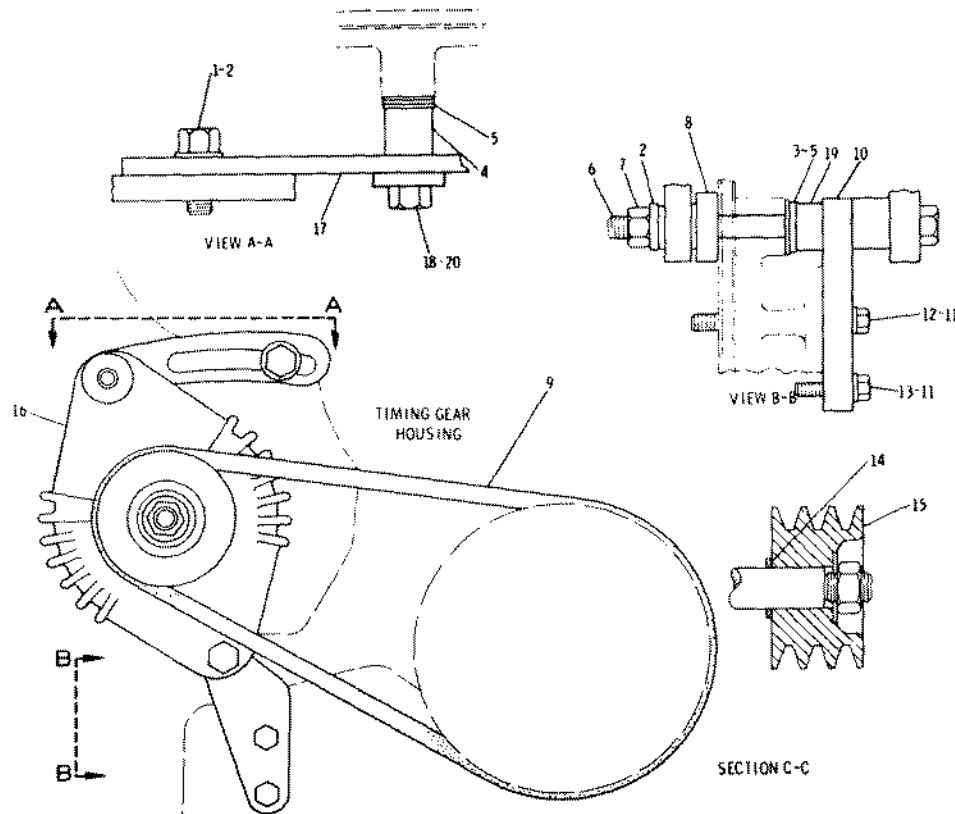
6N9294 ALTERNATOR GROUP—24 Volt, 35 Ampere—Part 1
AN ATTACHMENT

6N9294 ALTERNATOR GROUP—24 Volt, 35 Ampere—Part 2
AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7N7807	TERMINAL KIT----(output)----- (Includes Insulator, Screw, Washers, Lockwasher, Nut, & Adapter)	1
2	7N7808	TERMINAL KIT----- (Includes Stud, Bushings, Washers & Nut Assem.)	1
3	9L6770	CAP-----	1
4	8N740	SCREW ASSEM.-----	5
5	7N9022	SCREW ASSEM.-----	2
6	9N938	WASHER-----	2
7	7N9023	SCREW ASSEM.-----	2
8	7N7799	REGULATOR ASSEM.-----	1
9	6N1869	NUT ASSEM.-----	4
10	7N7811	CONNECTOR-----	1
11	7N9018	SCREW ASSEM.-----	3
12	9N1202	DIODE ASSEM.-----	1
13	7N7797	INSULATOR-----	2
14	7N9021	SCREW ASSEM.-----	2
15	7N7796	BUSHING-----	1
16	7N7802	CAPACITOR ASSEM.-----	1
	3N4082	BRACKET-----	1
	7N7798	CONNECTOR-----	1
	7N7801	CONNECTOR-----	1

218759



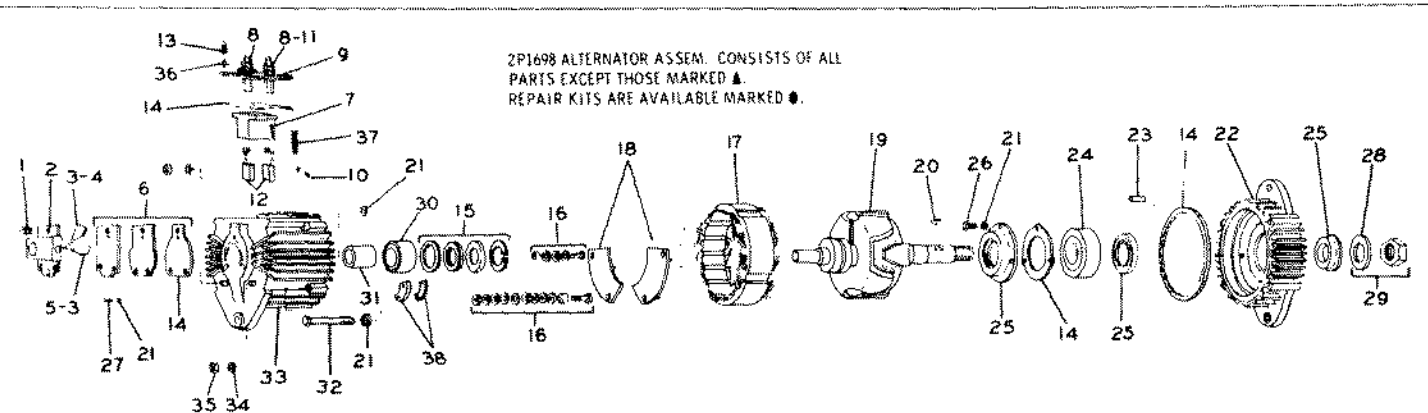
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7B3235	BOLT	1
2	5P8245	WASHER	3
3	3H449	LOCK	1
4	1K4649	SPACER	1
5	4B4280	WASHER	4
6	2A1531	BOLT	1
7	1D4719	NUT	1
8	1L1526	SPACER	1
9	5L3980	VEE BELT	1
10	7N1425	BRACKET ASSEM.	1
11	5M2894	WASHER	2
12	1L352	BOLT	1
13	51591	BOLT	1
14	6H199	WASHER	1
15	8L8867	PULLEY	1
16	2P1204	ALTERNATOR GROUP (Separate Illustration)	1
17	8S4182	STRAP	1
18	1A5822	BOLT	1
19	1M1993	SPACER	1
20	4N3371	WASHER	1
▲	1N8509	WIRING GROUP (Separate Illustration)	1

▲ NOT SHOWN

224599

5N4803 ALTERNATOR GROUP—24 Volt, 19 Ampere
FOR USE WITH FIRE PUMP ENGINES LISTED ON PAGES 37N & 37P
2P1204 Alternator & 1N8509 Wiring parts are shown on Page 316
AN ATTACHMENT

2P1204 ALTERNATOR GROUP—24 Volt, 19 Ampere
Part of 5N4803 Alternator Group shown on Page 307C
AN ATTACHMENT



2P1698 ALTERNATOR ASSEM. CONSISTS OF ALL PARTS EXCEPT THOSE MARKED ▲. REPAIR KITS ARE AVAILABLE MARKED ●.

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	310243	SCREW	3
2	6N3821	REGULATOR ASSEM.	1
3	3K6234	SCREW	1
4	4B4863	WASHER	1
5	98708	BOOT	2
6	2L8076	TERMINAL	1
7	2L8077	TERMINAL	1
8	1P1091	KIT (Reg. Mounting Plate & Gasket)	1
9	1P1145	HOLDER ASSEM.	1
10	1P1137	HOLDER	1
11	4B2049	NUT	4
12	3B4502	LOCKWASHER	4
13	1P1138	FIELD TERMINAL & PLATE ASSEM.	1
14	554245	SCREW	2
15	6B4542	LOCKWASHER	2
16	4B4274	WASHER	1

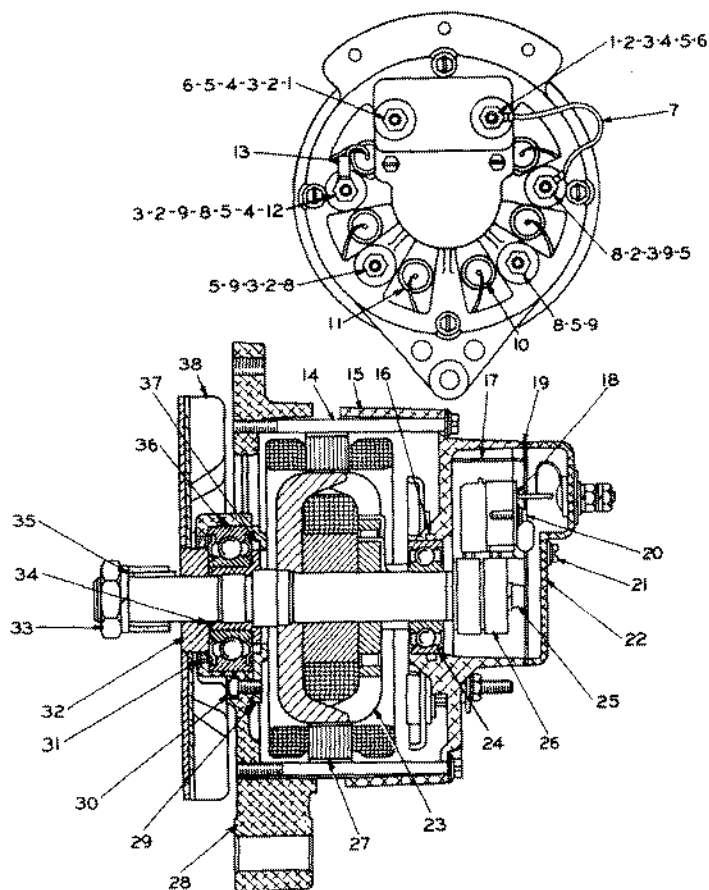
12	1P1130	KIT (2 Brushes)	1
13	324000	SCREW	4
14	2P1714	KIT (4 Gaskets)	1
15	1P1080	KIT (Retainer and Seal)	1
16	6N6717	KIT (Insulator)	1
17	2P1709	RECTIFIER & STATOR ASSEM.	1
18	2P1719	PLATE & RECTIFIER ASSEM. (Positive)	1
19	2P1720	PLATE & RECTIFIER ASSEM. (Negative)	1
20	6N1226	ROTOR ASSEM.	1
21	1B8705	KEY	1
22	3B4502	LOCKWASHER	10
23	6N5255	HEAD ASSEM.	1
24	6D9953	PIN	2
25	1B5387	BEARING	1

GMG00844 - FORM (Alternator Installation) - 1

25	2P1713	KIT (Retainer and Seal)	1
26	172311	SCREW (Retainer, Seal, Spacer, Washer)	3
27	9M5520	SCREW	1
28	3B4511	LOCKWASHER	1
29	1P1131	KIT (Shaft Parts - Nut & Lockwasher)	1
30	2L611	BEARING	1
31	1P1134	RACE	1
32	6N5257	KIT (Frame screw - 12 bolts)	1
33	6N5254	HEAD ASSEM.	1
34	3B4507	LOCKWASHER - 11mm (.437 in.) I. D.	2
35	3B4504	LOCKWASHER - 6.35mm (.25 in.) I. D.	2
36	104718	NUT - 11mm (.437 in.) I. D.	2
37	9M1311	NUT - 6.35mm (.25 in.) I. D.	2
38	2H6139	LOCKWASHER	4
39	1P1088	KIT (2 Brush Springs)	1
40	2P6261	INSULATOR	2

C INDICATES CHANGE

207038

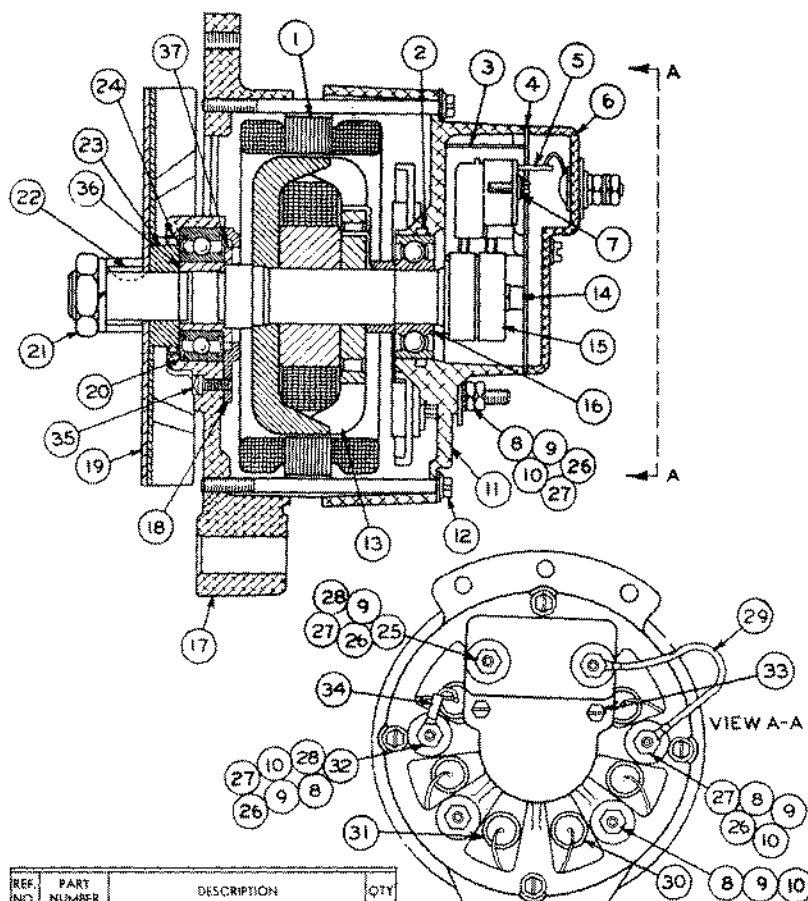


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8L9375	BOLT-----	2
2	4B2047	NUT-----	7
3	7H2079	LOCKWASHER-----	7
4	8L9347	INSULATOR-----	3
5	8L9352	WASHER-----	10
6	8L9377	WASHER-----	2
7	8L9358	CABLE ASSEM.-----	1
8	8L9380	NUT & LOCK ASSEM.-----	4
9	3N1204	INSULATOR-----	4
10	8L9365	DIODE ASSEM.-(3 Diodes-Negative)-	1
11	8L9363	DIODE ASSEM.-(3 Diodes-Positive)-	1
12	8L9359	BOLT-----	1
13	8L9709	CABLE ASSEM.-----	1
14	2N7367	BOLT-----	4
15	8L9368	HOUSING------(Rear)-	1
16	8L9355	RETAINER-----	1
17	8L9348	INSULATOR-----	1
18	2N6399	BRUSH ASSEM.-----	1
19	8L9362	GASKET-----	1
20	8L9381	SCREW-----	2
21	8L9376	SCREW-----	2

134507

22	8L9361	COVER-----	1
23	3N1203	ROTOR ASSEM.-----	1
24	4M2993	BEARING-----	1
	3K6168	SCREW-----	1
25	7H2079	LOCKWASHER-----	1
	3N1223	WASHER-----	1
26	3N1200	RING ASSEM.-----	1
	GMG0083	FORM-----	1
		(Instructions for Installing Alternator and Brush Kits)	
27	2N7364	STATOR ASSEM.-----	1
28	8L9655	HOUSING------(Front)-	1
29	8L9657	RETAINER-----	1
30	5L7200	SCREW-----	3
	3B4501	LOCKWASHER-----	3
31	8L9663	SEAL-----	1
32	1N9087	SPACER-----	1
33	8L9357	NUT-----	1
	5D3184	LOCKWASHER-----	1
34	8L9654	SLEEVE-----	1
35	1B8704	KEY-----	1
36	1S7056	BEARING-----	1
37	8L9656	WASHER-----	1
38	8L9661	FAN-----	1

2N7759 ALTERNATOR ASSEMBLY—12 Volt, 55 Ampere
 Part of 4N8778, 3N2708 and 3N2709 Alternator Groups shown on
 Pages 298, 299 and 300. AN ATTACHMENT



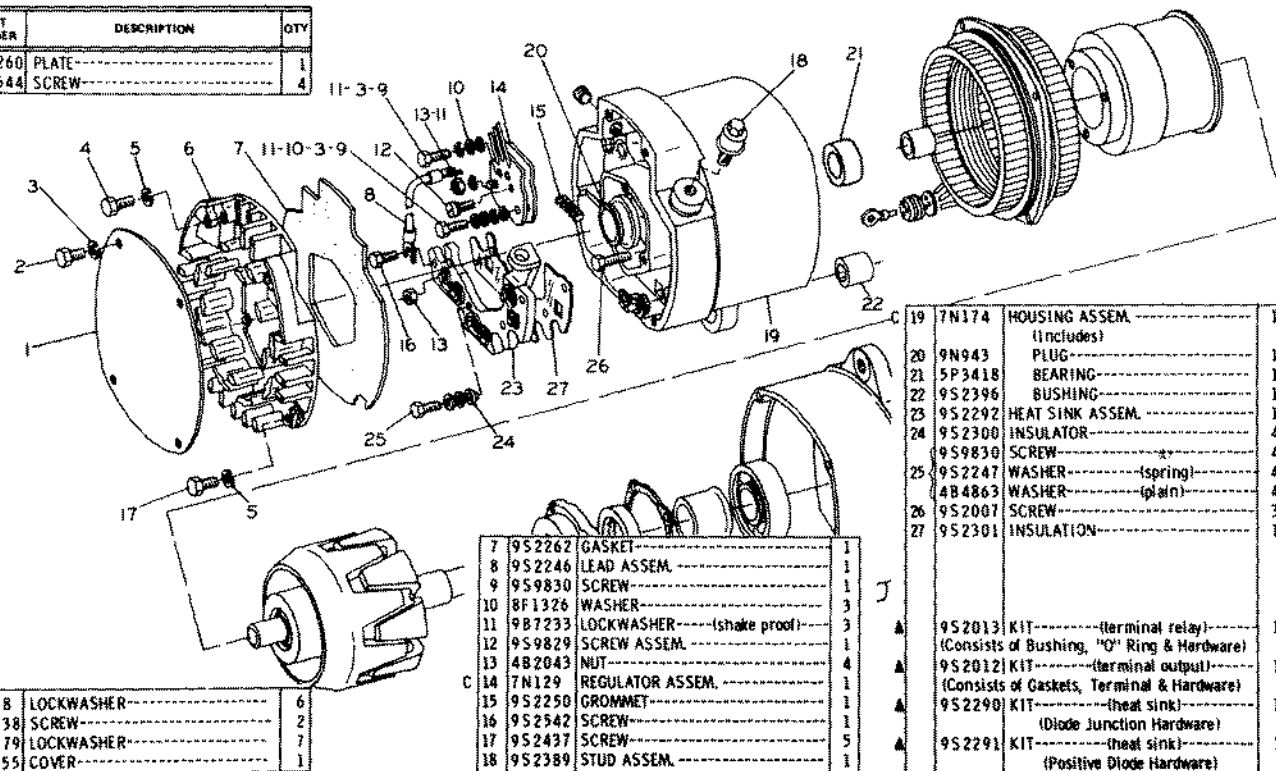
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8L9659	STATOR ASSEM.	1
2	8L9355	RETAINER	1
3	8L9348	INSULATOR	1
4	8L9362	GASKET	1
5	2N6399	BRUSH ASSEM.	1
6	8L9361	COVER	1
7	8L9381	SCREW	2
8	8L9380	NUT	4
9	8L9352	WASHER	10
10	3N1204	INSULATOR	4
11	8L9368	HOUSING (Rear)	1
12	2N7367	BOLT	4
13	3N1202	ROTOR ASSEM.	1
14	3K6168	SCREW	1
15	7H2079	LOCKWASHER	1
16	3N1223	WASHER	1
17	3N1200	SLIP RING ASSEM.	1
18	4M2995	BEARING	1
19	8L9655	HOUSING ASSEM. (Front)	1
20	8L9657	RETAINER	1
21	8L9661	FAN	1

22	1S7056	BEARING	1
23	8L9357	NUT	1
24	5D3184	LOCKWASHER	1
25	1B8704	KEY	1
26	1N9087	SPACER	1
27	8L9663	SEAL	1
28	8L9375	BOLT	2
29	8L9377	WASHER	2
30	7H2079	LOCKWASHER	7
31	4B2047	NUT	7
32	8L9347	INSULATOR	3
33	8L9358	CABLE ASSEM.	1
34	8L9365	DIODE ASSEM. (3 Diodes-Negative)	1
35	8L9363	DIODE ASSEM. (3 Diodes-Positive)	1
36	8L9359	BOLT	1
37	8L9376	SCREW	2
	8L9709	CABLE ASSEM.	1
	5L7200	SCREW	3
	3B4501	LOCKWASHER	3
	8L9654	SLEEVE	1
	8L9656	WASHER	1

133092

2N6398 ALTERNATOR ASSEMBLY—24 Volt, 35 Ampere
Part of 3N2706, 3N2707 and 3N6986 Alternator Groups shown on
Pages 301, 302 and 303. AN ATTACHMENT

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9S2260	PLATE	1
2	9S2544	SCREW	4



3	8H878	LOCKWASHER	6
4	9S2438	SCREW	2
5	7H2079	LOCKWASHER	7
6	9S2255	COVER	1

7	9S2262	GASKET	1
8	9S2246	LEAD ASSEM.	1
9	9S9830	SCREW	1
10	8F1326	WASHER	3
11	9B7233	LOCKWASHER (shake proof)	3
12	9S9829	SCREW ASSEM.	1
13	4B2043	NUT	4
14	7N129	REGULATOR ASSEM.	1
15	9S2250	GROMMET	1
16	9S2542	SCREW	1
17	9S2437	SCREW	5
18	9S2389	STUD ASSEM.	1

19	7N174	HOUSING ASSEM. (Includes)	1
20	9N943	PLUG	1
21	5P3418	BEARING	1
22	9S2396	BUSHING	1
23	9S2292	HEAT SINK ASSEM.	1
24	9S2300	INSULATOR	4
25	9S9830	SCREW	4
25	9S2247	WASHER (spring)	4
26	4B4863	WASHER (plain)	4
26	9S2007	SCREW	3
27	9S2301	INSULATION	1
▲	9S2013	KIT (terminal relay) (Consists of Bushing, "O" Ring & Hardware)	1
▲	9S2012	KIT (terminal output) (Consists of Gaskets, Terminal & Hardware)	1
▲	9S2290	KIT (heat sink) (Diode Junction Hardware)	1
▲	9S2291	KIT (heat sink) (Positive Diode Hardware)	1

C INDICATES CHANGE

▲ NOT PART OF 5S9088 ALTERNATOR ASSEM. 162528

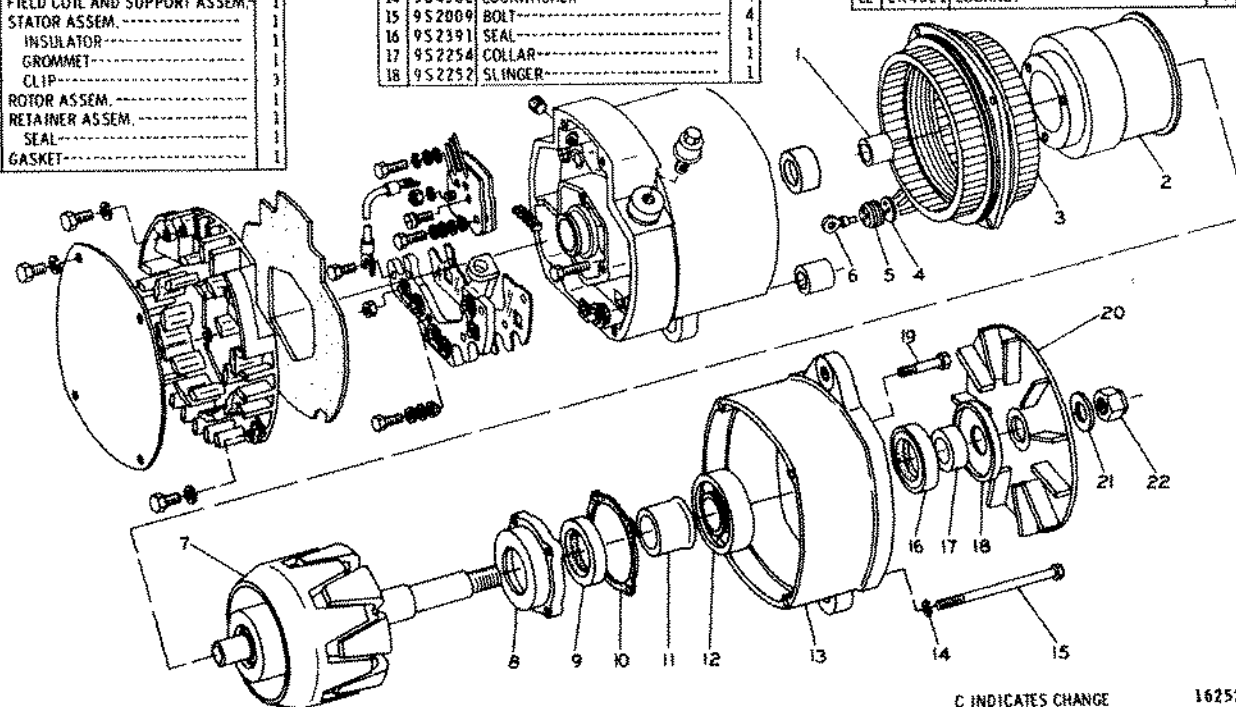
5S9088 ALTERNATOR ASSEMBLY—24 Volt, 50 Ampere—Part 1
Part of 3N2758 and 4N8777 Alternator Groups shown on Pages 304 and 305
AN ATTACHMENT

5S9088 ALTERNATOR ASSEMBLY—24 Volt, 50 Ampere—Part 2
Part of 3N2758 and 4N8777 Alternator Groups shown on Pages 304 and 305
AN ATTACHMENT

REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	5P3419	RACE	1
2	9S2248	FIELD COIL AND SUPPORT ASSEM.	1
3	9S2004	STATOR ASSEM.	1
4	9S2006	INSULATOR	1
5	9S2005	GROMMET	1
6	9S2014	CLIP	3
7	9S2302	ROTOR ASSEM.	1
8	9S2390	RETAINER ASSEM.	1
9	9S2391	SEAL	1
10	9S2256	GASKET	1

11	9S2261	COLLAR	1
12	2F5721	BEARING	1
13	2P5616	FRAME	1
14	3B4502	LOCKWASHER	4
15	9S2009	BOLT	4
16	9S2391	SEAL	1
17	9S2254	COLLAR	1
18	9S2252	SLINGER	1

19	9S2008	SCREW	4
20	9S2258	FAN AND BAFFLE ASSEM.	1
21	7F7621	WASHER	1
22	2K4821	LOCKNUT	1

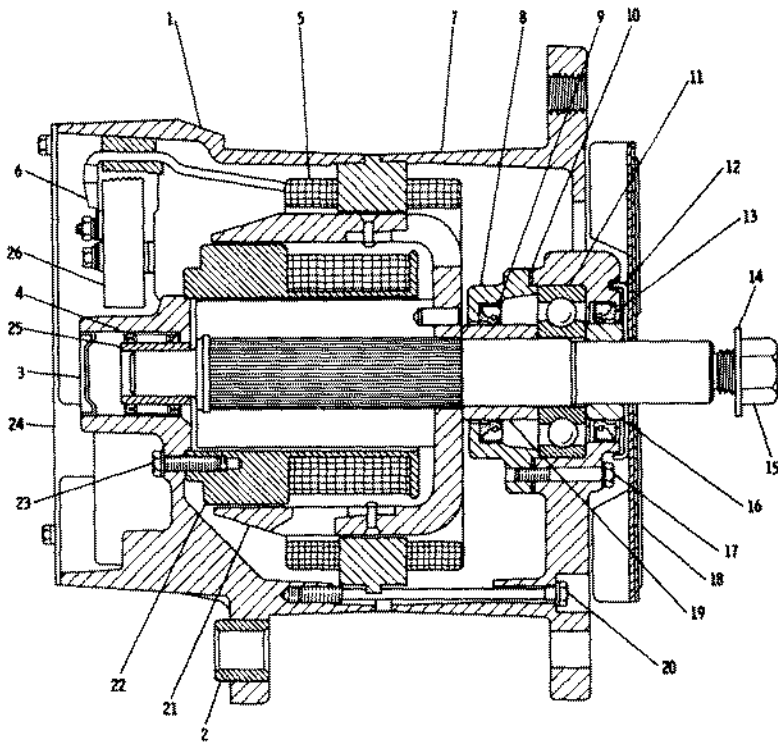


C INDICATES CHANGE

162529

STARTING AND ELECTRICAL

CATERPILLAR 3306 INDUSTRIAL ENGINE



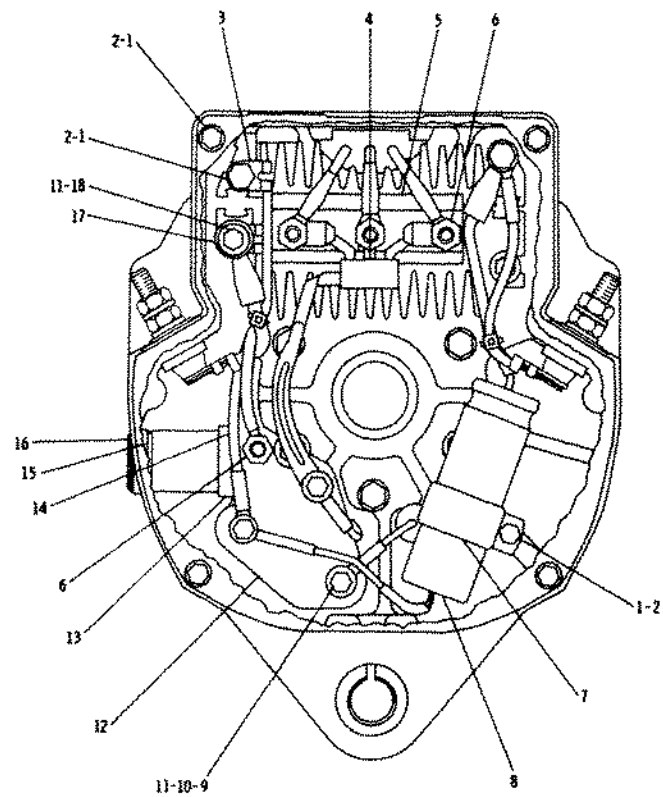
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N1876	HOUSING ASSEM. ----- (Includes)	1
2	9S2396	BUSHING-----	1
3	9N943	PLUG-----	1
4	5P3418	BEARING-----	1
5	6N1968	STATOR ASSEM. ----- (Includes)	1
6	9S2014	TERMINAL-----	3
7	9N939	GROMMET-----	1
8	2P5616	FRAME-----	1
9	9S2390	RETAINER ASSEM. ----- (Includes)	1
10	9S2391	SEAL-----	1
11	9S2256	GASKET-----	1
12	2F5721	BEARING-----	1
13	9S2252	SLINGER-----	1
14	9S2391	SEAL-----	1
15	7F7621	WASHER-----	1

15	2K4821	NUT-----	1
16	9S2254	COLLAR-----	1
17	9S2008	SCREW-----	4
18	9S2258	FAN-----	1
19	9S2261	COLLAR-----	1
20	9S2009	BOLT-----	4
21	9S2302	ROTOR ASSEM. -----	1
22	6N1945	FIELD COIL-----	1
23	9S2007	SCREW-----	5
24	9N942	PLATE-----	1
25	5P3419	RACE-----	1
26	9N937	RECTIFIER ASSEM. -----	1
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
C	6N1875	KIT----- (Includes Terminal and Load, Bushings, Washers, Nuts and Lockwashers)	1

C INDICATES CHANGE

204412

STARTING AND ELECTRICAL



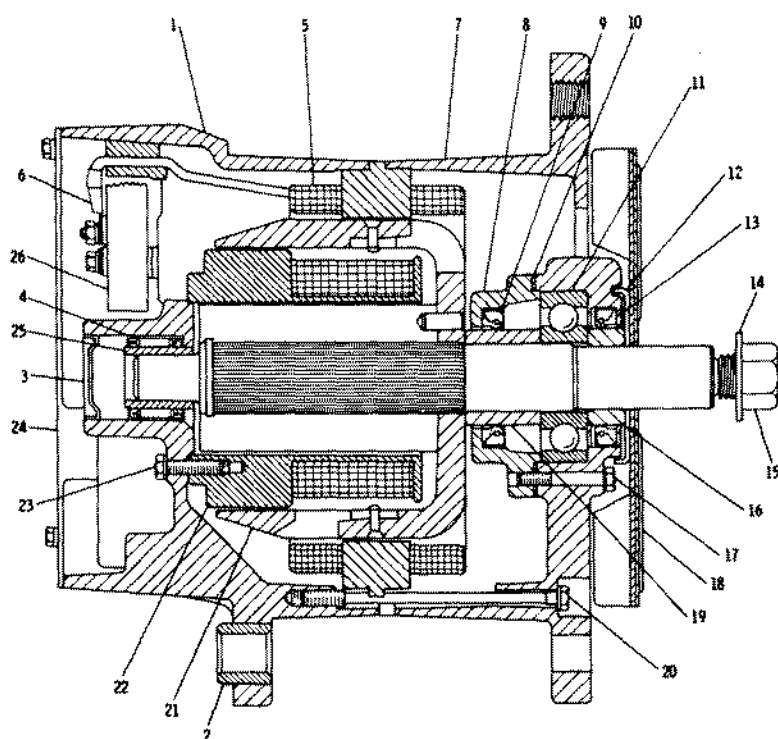
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9S2544	SCREW-----	7
2	8H878	LOCKWASHER-----	7
3	6N1871	LEAD ASSEM.-----	1
4	6N1944	DIODE ASSEM.-----	1
5	9N941	INSULATOR-----	2
6	6N1869	NUT ASSEM.-----	4
7	6N1925	BRACKET-----	1
8	6N1946	CAPACITOR-----	1
9	6N1872	SCREW ASSEM.-----	3
10	9N938	WASHER---.062 in. (1.57 mm) thick	3
11	3H240	WASHER---.031 in. (.79 mm) thick	5
12	6N1874	REGULATOR ASSEM.-----	1

13	9N940	BOOT-----	1
14	6N1873	LEAD ASSEM.-----	1
15	9L6772	CONNECTOR-----	1
16	9L6771	CAP-----	1
17	8M6701	WASHER-----	3
17	6N1856	BUSHING-----	4
18	6N1870	SCREW ASSEM.-----	2

202839

4N3986 ALTERNATOR GROUP--24 Volt, 60 Ampere--Part 2
Part of 3N4667 Alternator Group shown on Page 306
AN ATTACHMENT

CATERPILLAR 3306 INDUSTRIAL ENGINE

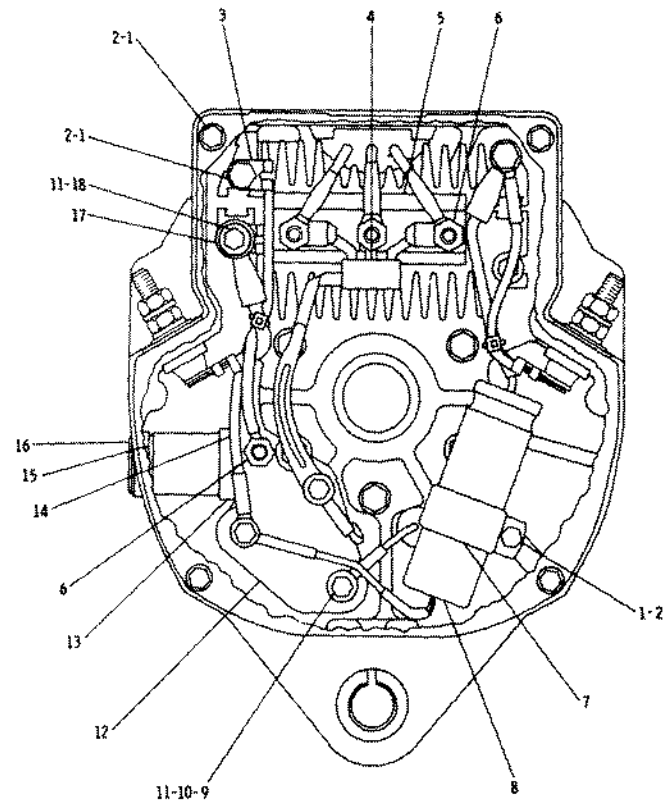


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N1876	HOUSING ASSEM.----- (Includes)	1
2	9S2396	BUSHING-----	1
3	9N943	PLUG-----	1
4	5P3418	BEARING-----	1
5	6N1968	STATOR ASSEM.----- (Includes)	1
6	9S2014	TERMINAL-----	3
7	9N939	GROMMET-----	1
8	2P5616	FRAME-----	1
9	9S2390	RETAINER ASSEM.----- (Includes)	1
10	9S2391	SEAL-----	1
11	9S2256	GASKET-----	1
12	2F5721	BEARING-----	1
13	9S2252	SLINGER-----	1
14	9S2391	SEAL-----	1
15	7F7621	WASHER-----	1

15	2K4821	NUT-----	1
16	9S2254	COLLAR-----	1
17	9S2008	SCREW-----	4
18	9S2258	FAN-----	1
19	9S2261	COLLAR-----	1
20	9S2009	BOLT-----	4
21	9S2302	ROTOR ASSEM.-----	1
22	6N2382	FIELD COIL-----	1
23	9S2007	SCREW-----	5
24	9N942	PLATE-----	1
25	5P3419	RACE-----	1
26	9N937	RECTIFIER ASSEM.-----	1
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
C	6N1875	KIT----- (Includes Terminal and Lead, Bushings, Washers, Nuts and Lockwashers)	1

C INDICATES CHANGE

204413



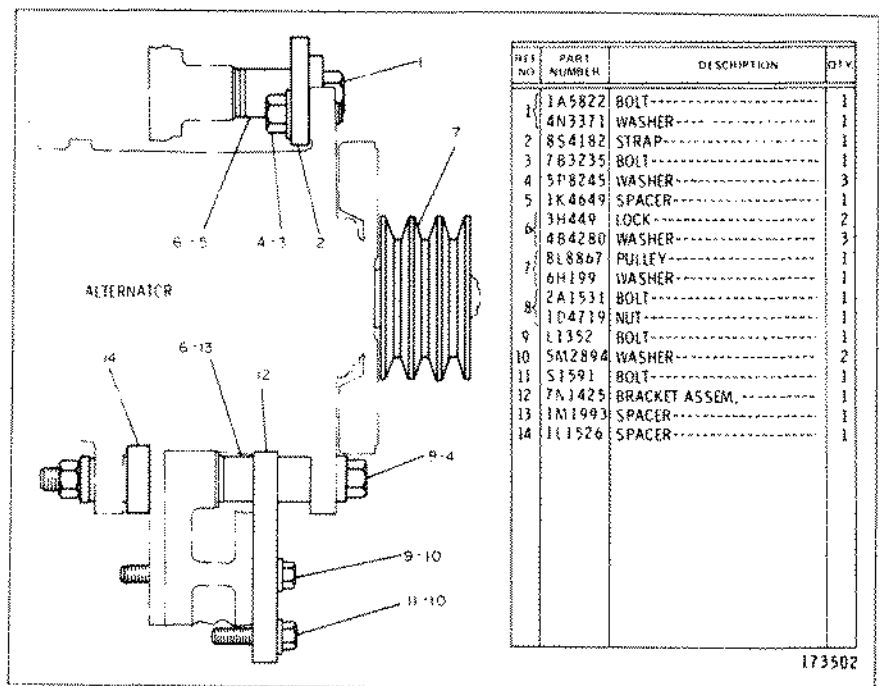
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9S2544	SCREW-----	7
2	8H878	LOCKWASHER-----	7
3	6N1871	LEAD ASSEM-----	1
4	6N1944	DIODE ASSEM-----	1
5	9N941	INSULATOR-----	2
6	6N1869	NUT ASSEM-----	4
7	6N1925	BRACKET-----	1
8	6N1946	CAPACITOR-----	1
9	6N1872	SCREW ASSEM-----	3
10	9N938	WASHER-----	3
11	3H240	WASHER-----	5
12	6N1874	REGULATOR ASSEM-----	1

13	9N940	BOOT-----	1
14	6N1873	LEAD ASSEM-----	1
15	6N1877	CONNECTOR-----	1
16	9L6771	CAP-----	1
17	8M6701	WASHER-----	3
18	6N1856	BUSHING-----	4
	6N1870	SCREW ASSEM-----	2

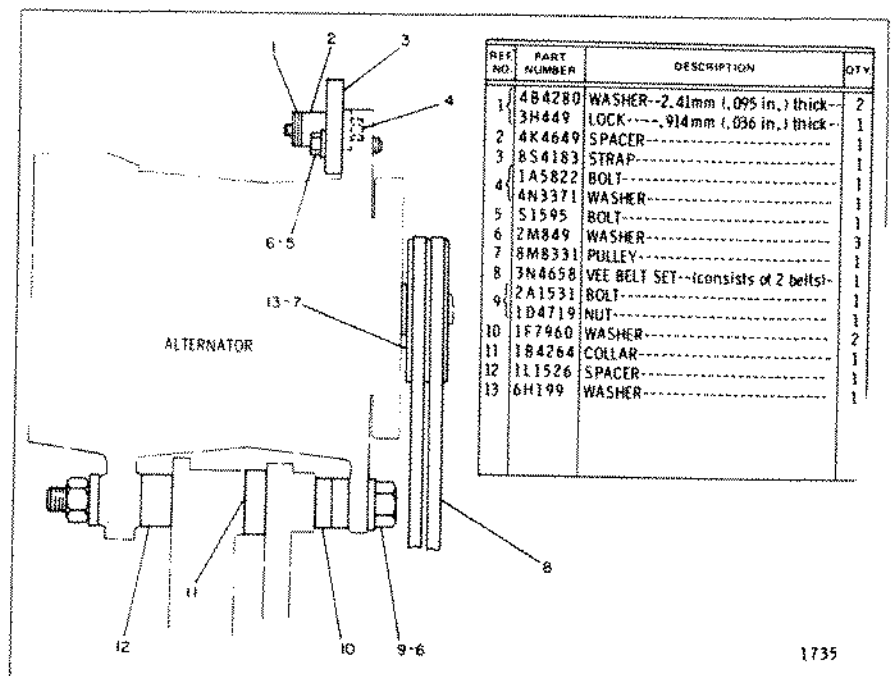
202837

4N3987 ALTERNATOR GROUP—32 Volt, 60 Ampere—Part 2
 Part of 3N4666 Alternator Group shown on Page 307
 AN ATTACHMENT

STARTING AND ELECTRICAL SYSTEM



8N6019 ALTERNATOR MOUNTING GROUP
FOR USE WITH FAN DRIVE
AN ATTACHMENT



8N6017 ALTERNATOR MOUNTING GROUP
FOR USE WITHOUT FAN DRIVE

CATERPILLAR 3306 INDUSTRIAL ENGINE

CONSISTS OF:

	4S8773	WIRE--(No. 8 GAUGE)--20 FOOT
	4S8787	WIRE--(No. 14 GAUGE)--10 FOOT
10	2L8057	TERMINAL (No. 10 SCREW)
2	2L8058	TERMINAL (1/4" SCREW)
2	2L8060	TERMINAL (3/8" SCREW)
3	2L8061	TERMINAL (1/2" SCREW)
		(USED WITH No. 8 WIRE)
6	2L8075	TERMINAL (No. 8 SCREW)
3	2L8077	TERMINAL (1/4" SCREW)
1	2L8081	TERMINAL (1/2" SCREW)
		(USED WITH No. 14 WIRE)
1	1L9899	MARKER (CARD OF)
10	2L9724	CLIP (2.50" LONG)
50	8L8413	TIE (5.50" LONG)
2	3S2093	TIE (7.31" LONG)

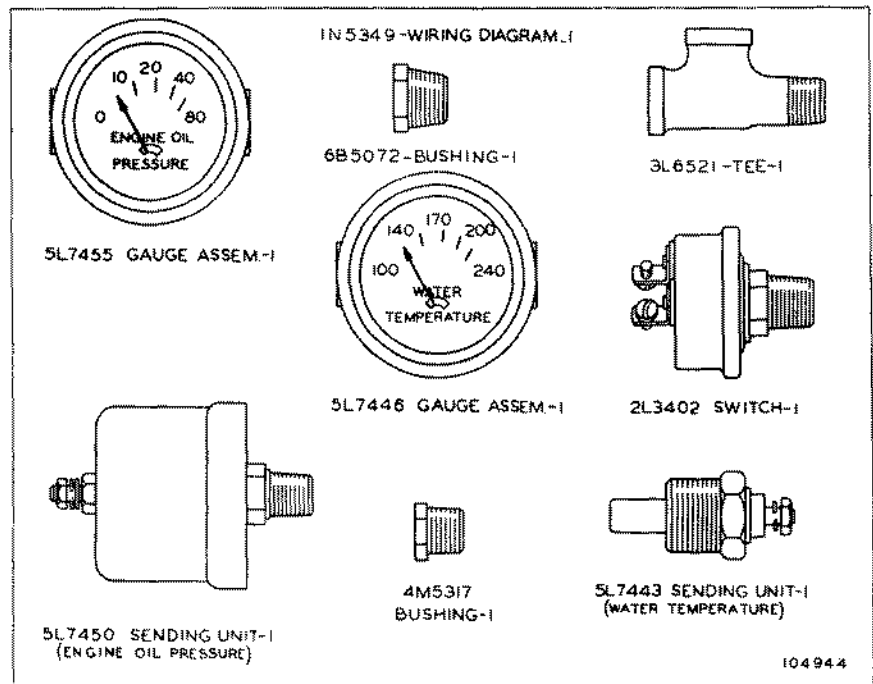
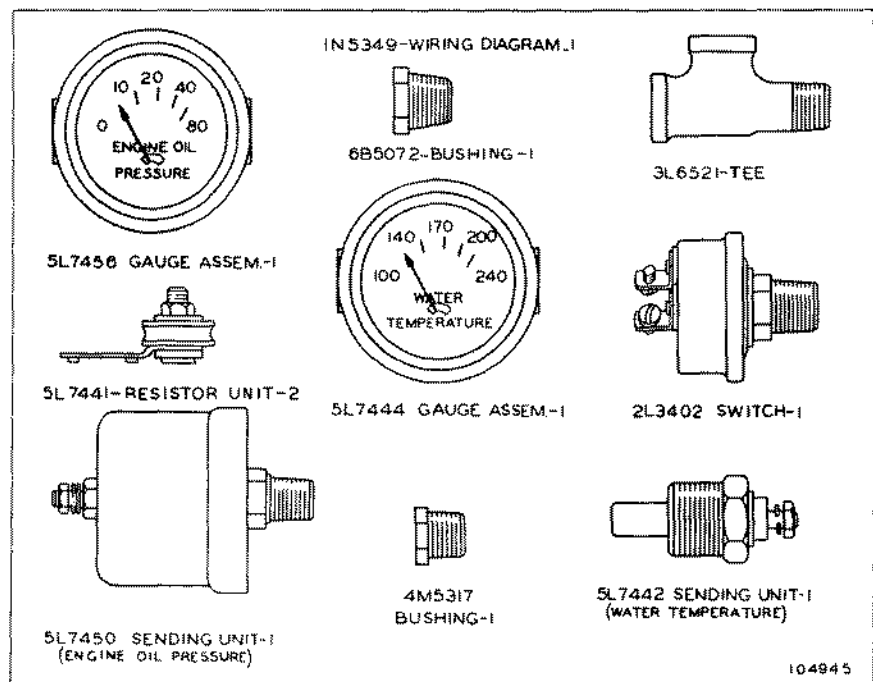
2L9808 WIRING KIT GROUP

Part of 4N8778, 3N2708, 3N2706 and 3N2707 Alternator Groups shown on
Pages 298, 299, 301 and 302. AN ATTACHMENT

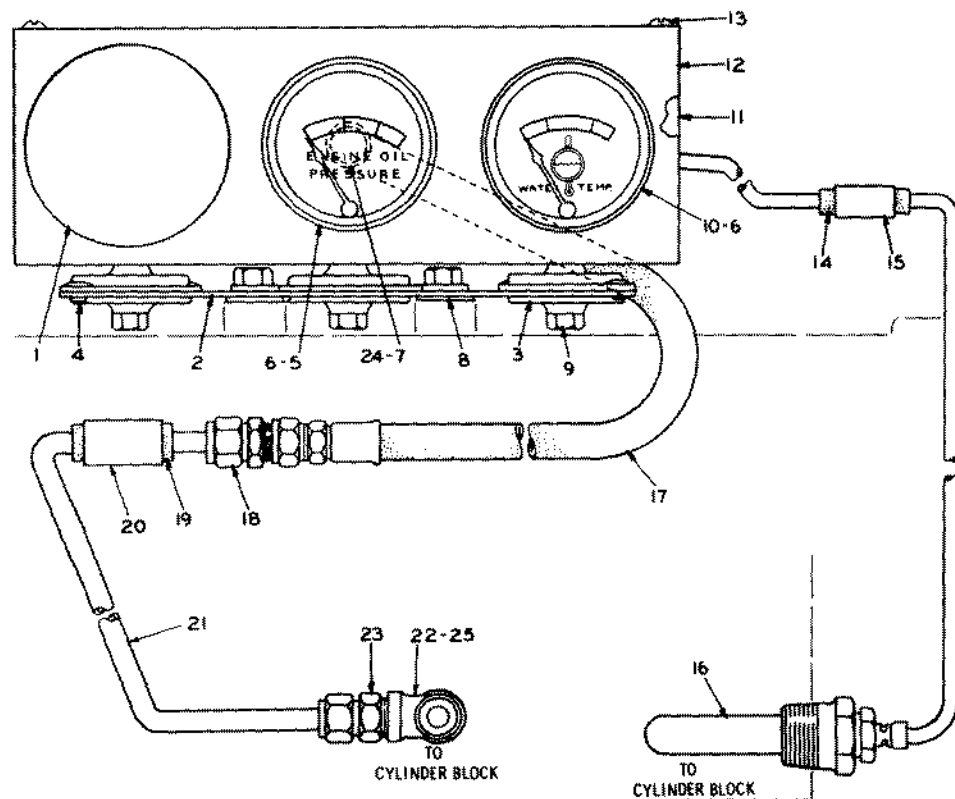
CONSISTS OF:

	4S8784	WIRE--(No. 6 GAUGE)--10 FOOT
	4S8773	WIRE--(No. 8 GAUGE)--6 FOOT
2	2L8049	TERMINAL--(No. 10 SCREW)
1	2L8050	TERMINAL--(1/4" SCREW)
2	2L8052	TERMINAL--(3/8" SCREW)
3	2L8054	TERMINAL--(1/2" SCREW)
		(USED WITH No. 6 WIRE)
2	2L8057	TERMINAL--(No. 10 SCREW)
1	2L8058	TERMINAL--(1/4" SCREW)
2	2L8060	TERMINAL--(3/8" SCREW)
3	2L8061	TERMINAL--(1/2" SCREW)
		(USED WITH No. 8 WIRE)
2	3S2093	TIE (7.31" LONG)
2	8L8413	TIE (5.50" LONG)
2	2L9724	CLIP (2.50" LONG)
1	1L9899	MARKER--(CARD OF)

1N8509 WIRING KIT GROUP

5L9894 INSTRUMENT GROUP—12 Volt
AN ATTACHMENT

5L9895 INSTRUMENT GROUP—24 or 32 Volt

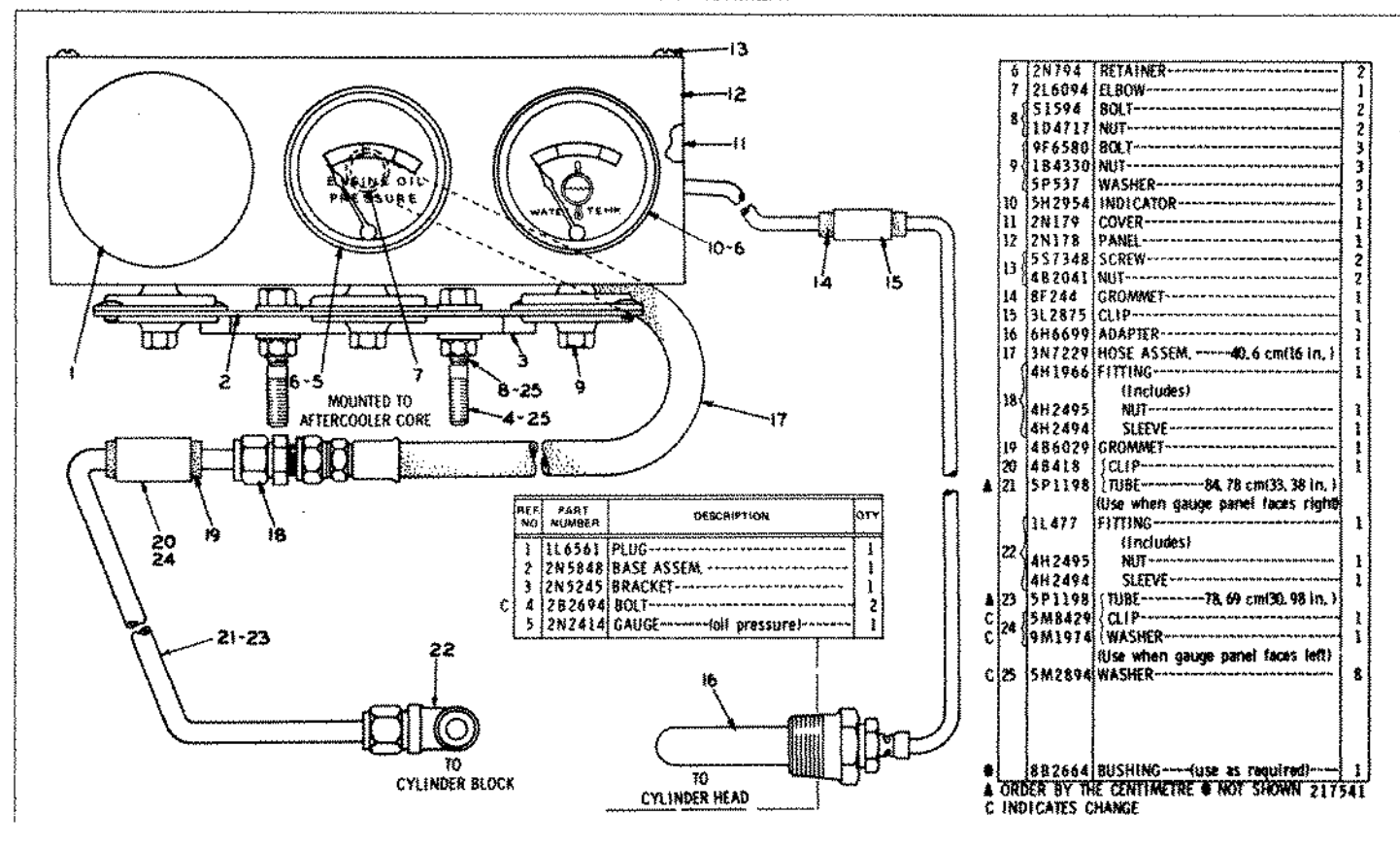


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1L6561	PLUG	1
2	2N5848	BASE ASSEM.	1
3	7H4155	SHOCKMOUNT	3
4	2N2258	RIVET	6
5	2N2414	GAUGE (Oil Pressure)	1
6	2N794	RETAINER	2
7	3B9406	ELBOW	1
8	2H3755	BOLT	2
9	9M1974	WASHER	2
10	4B4277	WASHER	2
11	9F6580	BOLT	3
12	1B4330	NUT	3
13	2N2412	INDICATOR (Water Temp.)	1
14	2N179	COVER	1
15	2N178	PANEL	1
16	5S7348	SCREW	2
17	4B2041	NUT	2
18	8F244	GROMMET	1
19	3L2875	CLIP	1
20	6H6699	ADAPTER	1
21	3N7229	HOSE ASSEM. ---4.06 dm (16 In.)	1
22	8L6557	CONNECTOR	1
23	4B6029	GROMMET	1
24	4B418	CLIP	1
25	7N9042	TUBE ASSEM.	1
	3L6521	TEE	1
	4S6399	CONNECTOR	1
	3B6487	COUPLING	1
	5M6213	PLUG (Use Without Compressor)	1
	8B2664	BUSHING---fuse as required	1

C INDICATES CHANGE ● NOT SHOWN 217624

2N2259 INSTRUMENT PANEL GROUP
AN ATTACHMENT

6N4069 INSTRUMENT PANEL GROUP
FOR USE WITH AFTERCOOLER
AN ATTACHMENT

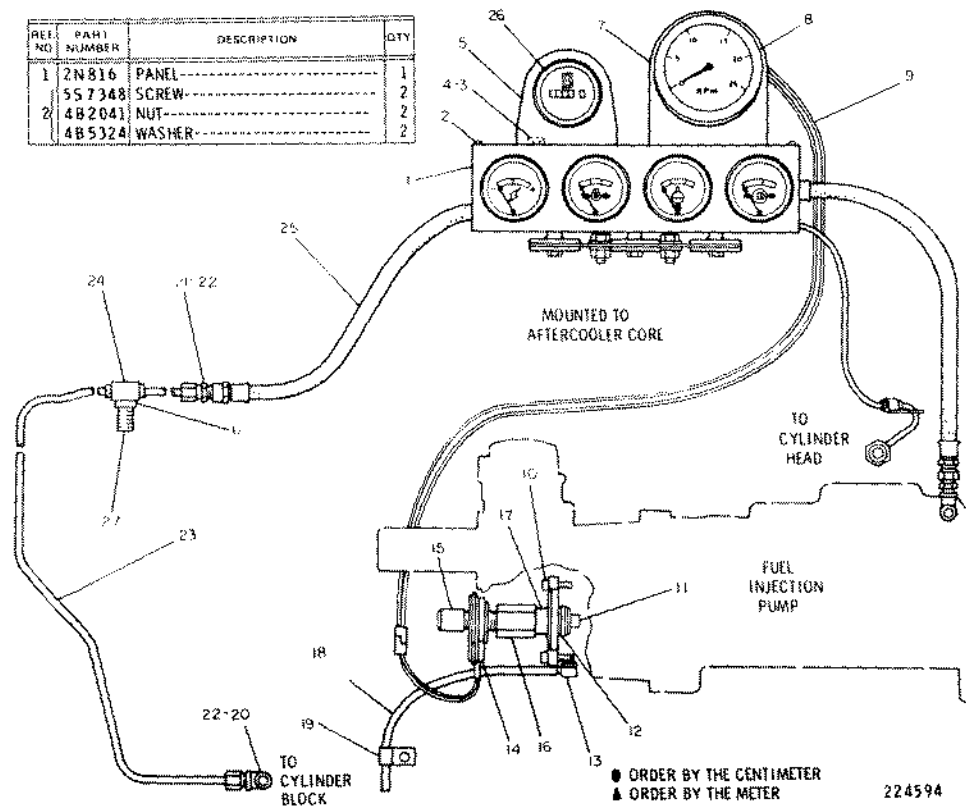


6	2N794	RETAINER	2
7	2L6094	ELBOW	1
8	51594	BOLT	2
9	1D4717	NUT	2
10	9F6580	BOLT	3
11	1B4330	NUT	3
12	5P537	WASHER	3
13	5H2954	INDICATOR	1
14	2N179	COVER	1
15	2N178	PANEL	1
16	5S7348	SCREW	2
17	4B2041	NUT	2
18	8F244	GROMMET	1
19	3L2875	CLIP	1
20	6H6699	ADAPTER	1
21	3N7229	HOSE ASSEM. 40.6 cm (16 in.)	1
22	4H1966	FITTING (includes)	1
23	4H2495	NUT	1
24	4H2494	SLEEVE	1
25	4B6029	GROMMET	1
26	4B418	CLIP	1
27	5P1198	TUBE 84.78 cm (33.38 in.)	1
28	1L477	FITTING (includes)	1
29	4H2495	NUT	1
30	4H2494	SLEEVE	1
31	5P1198	TUBE 78.69 cm (30.98 in.)	1
32	5M8429	CLIP	1
33	9M1974	WASHER (use when gauge panel faces left)	1
34	5M2894	WASHER	8
35	8B2664	BUSHING (use as required)	1

ORDER BY THE CENTIMETRE NOT SHOWN 217541
C INDICATES CHANGE

GAUGES AND ACCESSORIES

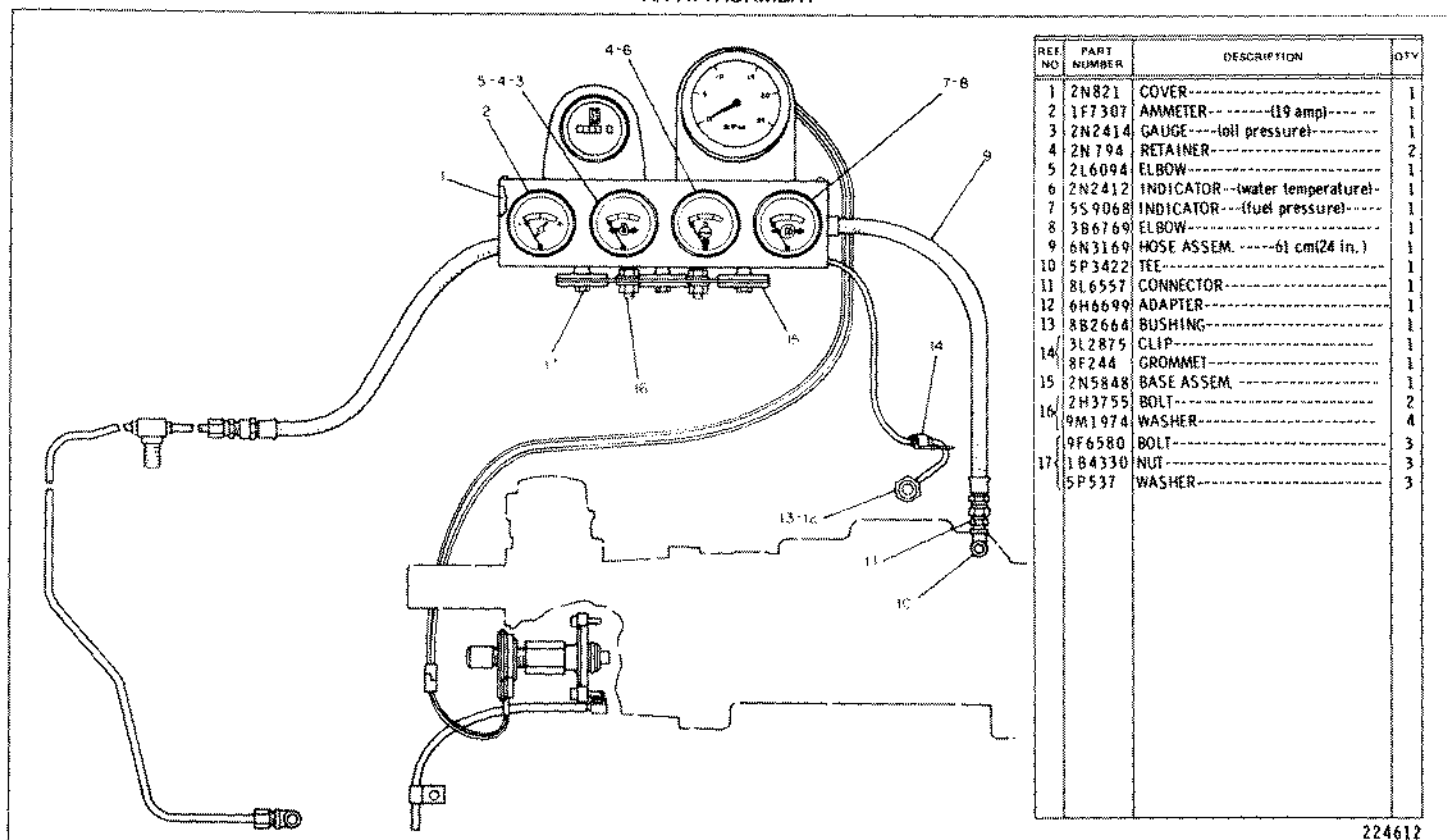
REF. NO.	PAH. NUMBER	DESCRIPTION	QTY.
1	2N816	PANEL	1
2	5S7348	SCREW	2
2	4B2041	NUT	2
2	4B5324	WASHER	2



3	2H3755	BOLT	4
3	1D4716	NUT	4
4	9M1974	WASHER	8
5	6L2845	BRACKET	1
6	6B933	SPACER	1
7	7L4536	BRACKET	1
8	3N7288	TACHOMETER	1
9	3N4431	HARNESSE ASSEM.	1
10	9S211	CLAMP	2
10	8H3127	BOLT	2
11	4N538	COUPLING	1
12	4M8303	SEAL	1
13	9S9332	FITTING	1
14	3N4430	SENDING UNIT (tachometer)	1
	(Includes)		
15	3N6917	CAP	1
15	3H1023	SEAL	2
16	3N6916	NUT	1
16	3N6918	TANK	1
16	9N641	ADAPTER GROUP	1
	(Includes)		
17	2H4823	RING	1
17	3D4004	SEAL	1
17	5M4317	WASHER	1
18	5P1010	TUBE 25 m(10 in.)	1
19	8M2772	CLIP	1
20	1L477	FITTING	1
21	4H1966	FITTING	1
	(Each includes)		
22	4H2495	NUT	1
22	4H2494	SLEEVE	1
23	5P1198	TUBE 87 cm(34.26 in.)	1
24	4B418	CLIP	1
24	4B6029	GROMMET	1
25	3N7229	HOSE ASSEM. 40.64 cm(16 in.)	1
25	6N5906	SERVICE METER	1
	(Includes)		
26	4S1988	TERMINAL	1
26	5P4571	TERMINAL	1
27	51591	BOLT	1
27	5M2894	WASHER	1

5N4787 INSTRUMENT PANEL GROUP—Turbocharged Engine—Part 1—Type 1
FOR USE WITH FIRE PUMP ENGINES LISTED ON PAGES 37N & 37P
AN ATTACHMENT

5N4787 INSTRUMENT PANEL GROUP—Turbocharged Engine—Part 2—Type 1
FOR USE WITH FIRE PUMP ENGINES LISTED ON PAGES 37N & 37P
AN ATTACHMENT



224612

