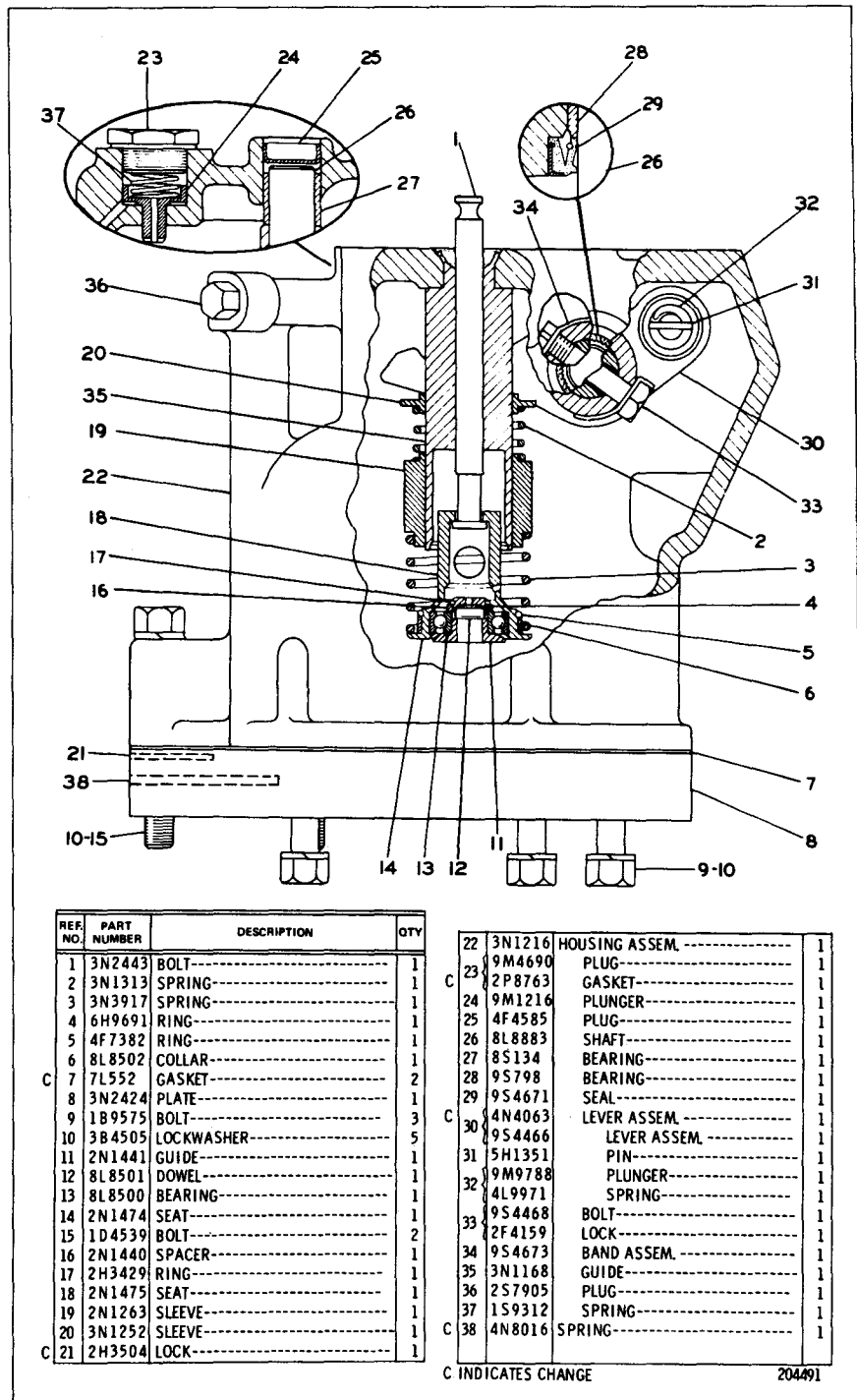
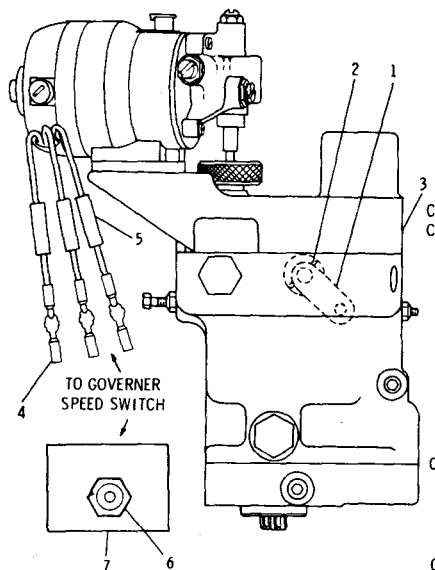




3N1301 GOVERNOR CONVERSION GROUP
Provides 50 hertz at 1800 R.P.M., 3 Percent Regulation Package

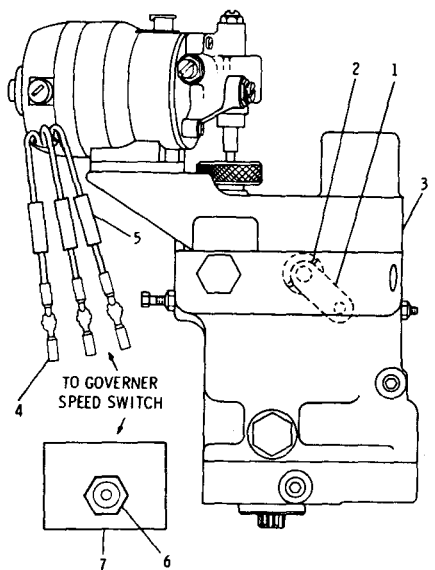


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6L2081	LEVER-----	1
2	3L1474	PIN-----	1
3	4N6337	GOVERNOR ASSEM. ----- (Separate Illustration)	1
4	2L8919	DISCONNECT-----	6
5	8F1559	INSULATOR-----	3
6	3L3911	SWITCH----- (speed)-	1
7	3L4576	PLATE----- (name)-	1
	3N7424	WIRING DIAGRAM-----	1

C INDICATES CHANGE

152741

4N6308 WOODWARD GOVERNOR GROUP
4N6337 Governor parts are shown on Page 147
AN ATTACHMENT

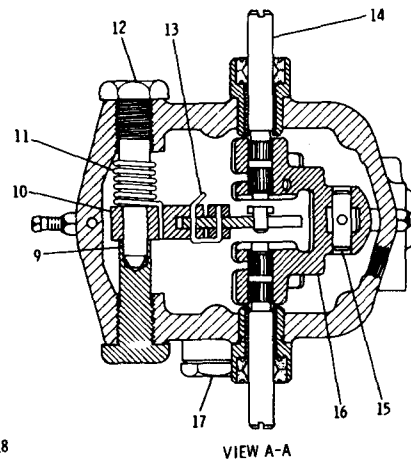
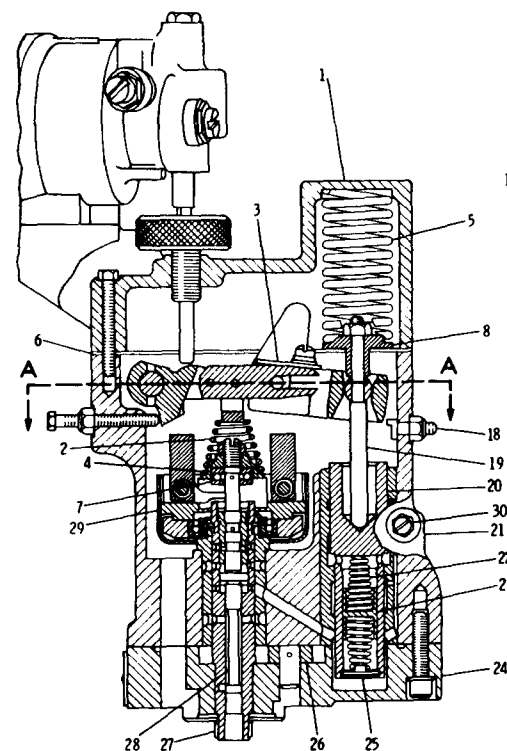


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6L2081	LEVER-----	1
2	3L1474	PIN-----	1
3	6N1460	GOVERNOR ASSEM. ----- (Separate Illustration)	1
4	2L8919	DISCONNECT-----	6
5	8F1559	INSULATOR-----	3
6	3L3911	SWITCH----- (speed)-	1
7	3L4576	PLATE----- (name)-	1
	3N7424	WIRING DIAGRAM-----	1

154306

6N1461 WOODWARD GOVERNOR GROUP—24 Volt
6N1460 Governor parts are shown on Page 147

6N1460 WOODWARD GOVERNOR GROUP
Part of 6N1461 Woodward Governor Group shown on Page 146
Only separate parts serviced



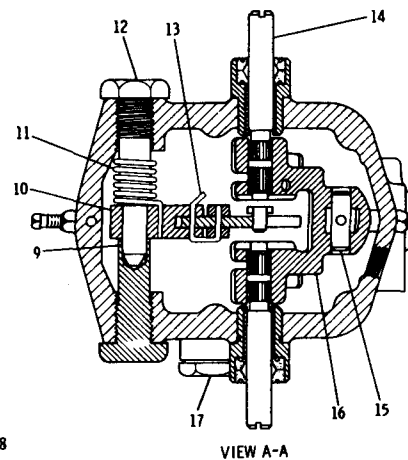
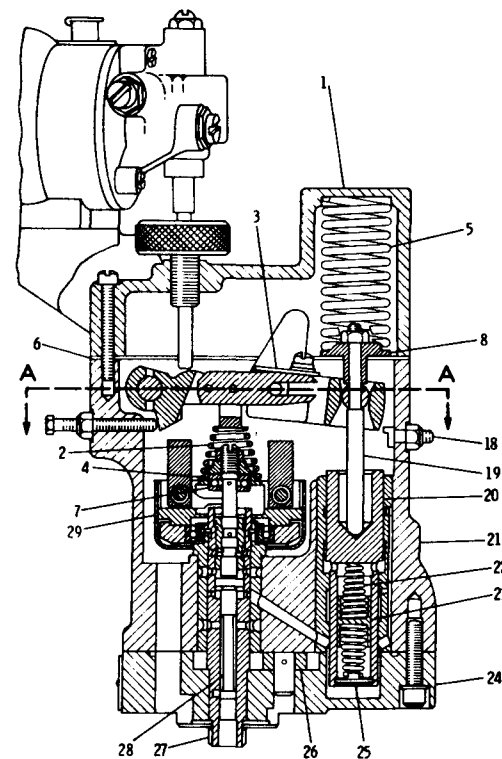
THE FOLLOWING REPAIR KIT IS AVAILABLE:

3N5860-KIT------(hardware)-----1
(Includes Bearings, Shims, Pins, Seals,
Packing, Washers, Lockwashers, Screws, Nuts,
Rings, Ballarms, Gaskets, Valves, Plunger and
Bushings)

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N1539	COVER ASSEM.	1
2	2N1021	SPRING AND FORK ASSEM.	1
3	3N4219	BRACKET ASSEM.	1
4	6L3996	SEAT.....	1
5	3N5723	SPRING.....	1
6	2F2293	GASKET.....	1
7	6L3989	BEARING.....	1
8	3N5729	SEAT.....	1
9	6L3987	SHAFT.....	1
10	3N5720	LINK ASSEM.	1
11	6L3991	SPRING.....	1
12	6L4005	SPACER.....	2
13	2N1894	PIN.....	1
14	6L9838	SHAFT.....	2
15	3N5726	PIN.....	1
16	3N5730	LEVER.....	1
17	6L4007	VALVE ASSEM.	1
18	6L4004	SCREW.....	1
19	3N5728	STRUT.....	1
20	3N5727	PISTON.....	1
21	3N5721	CASE ASSEM.	1
22	6L3990	SPRING.....	2
23	6L3997	PISTON.....	1
24	7L3107	BASE ASSEM.	1
25	6L3995	SEAT.....	1
26	6L3983	GEAR----- (10 teeth)-----	1
27	6L4003	BUSHING.....	1
28	6L3994	PLUNGER.....	1
29	2N6223	BALLHEAD ASSEM.	1
30	6N3065	VALVE----- (needle)-----	1

205289

4N6337 WOODWARD GOVERNOR GROUP
Part of 4N6308 Woodward Governor Group



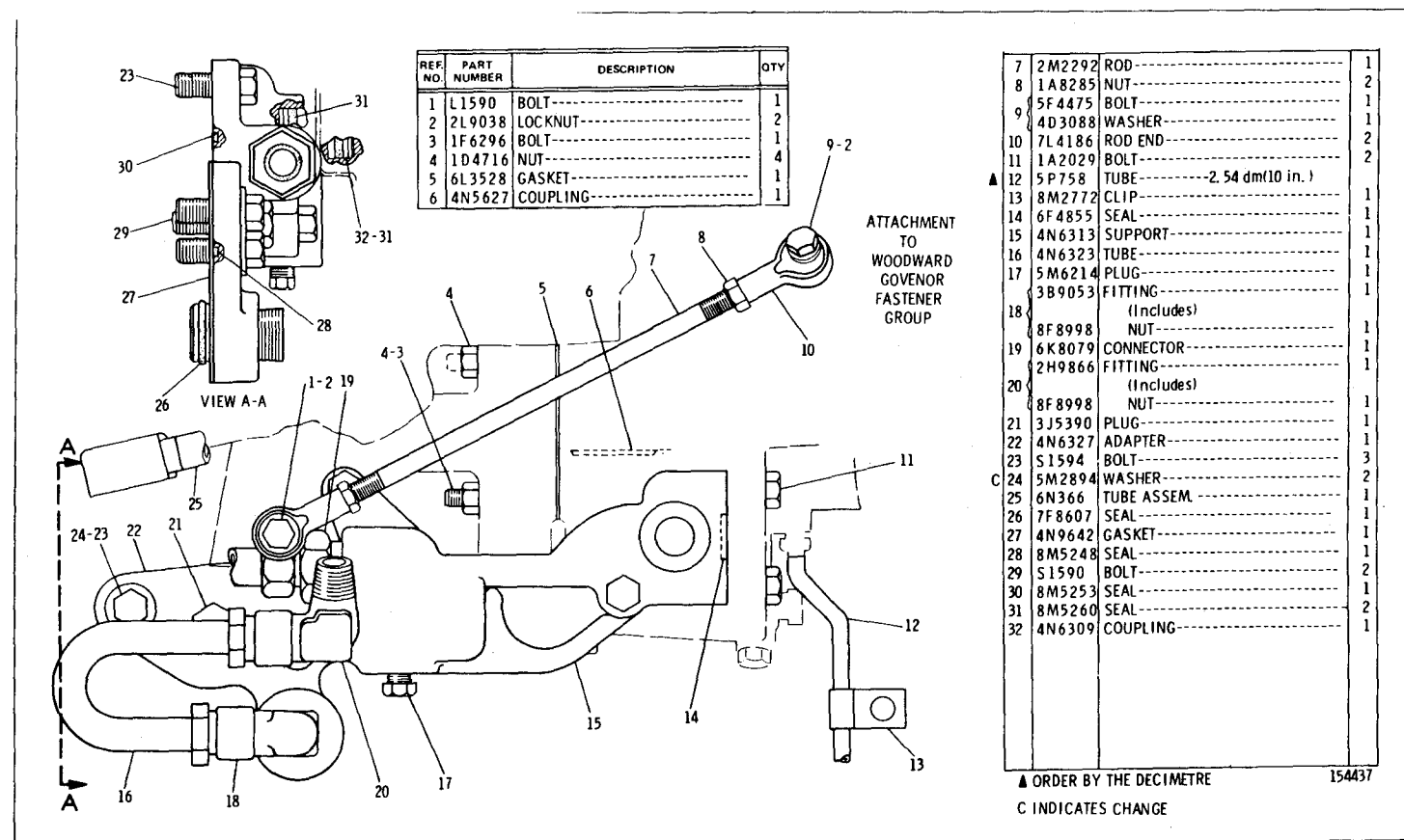
THE FOLLOWING REPAIR KIT IS AVAILABLE:

3N5859-KIT------(hardware)-----1
(Includes Bearings, Shims, Pins, Seals,
Packing, Washers, Lockwashers, Screws, Nuts,
Rings, Ballarms, Gaskets, Valve, Plunger and
Bushing)

RFF NO.	PART NUMBER	DESCRIPTION	QTY
1	3N5731	COVER ASSEM.	1
2	2N1021	SPRING AND FORK ASSEM.	1
3	3N4219	BRACKET ASSEM.	1
4	6L3996	SEAT.....	1
5	3N5723	SPRING.....	1
6	2F2293	GASKET.....	1
7	6L3989	BEARING.....	1
8	3N5729	SEAT.....	1
9	6L3987	SHAFT.....	1
10	3N5720	LINK ASSEM.	1
11	6L3991	SPRING.....	1
12	6L4005	SPACER.....	2
13	2N1894	PIN.....	1
14	6L9838	SHAFT.....	2
15	3N5726	PIN.....	1
16	3N5730	LEVER.....	1
17	6L4007	VALVE ASSEM.	1
18	6L4004	SCREW.....	1
19	3N5728	STRUT.....	1
20	3N5727	PISTON.....	1
21	3N5721	CASE ASSEM.	1
22	6L3990	SPRING.....	2
23	6L3997	PISTON.....	1
24	7L3107	BASE ASSEM.	1
25	6L3995	SEAT.....	1
26	6L3983	GEAR.....(10 teeth).....	1
27	6L4003	BUSHING.....	1
28	6L3994	PLUNGER.....	1
29	2N6223	BALLHEAD ASSEM.	1

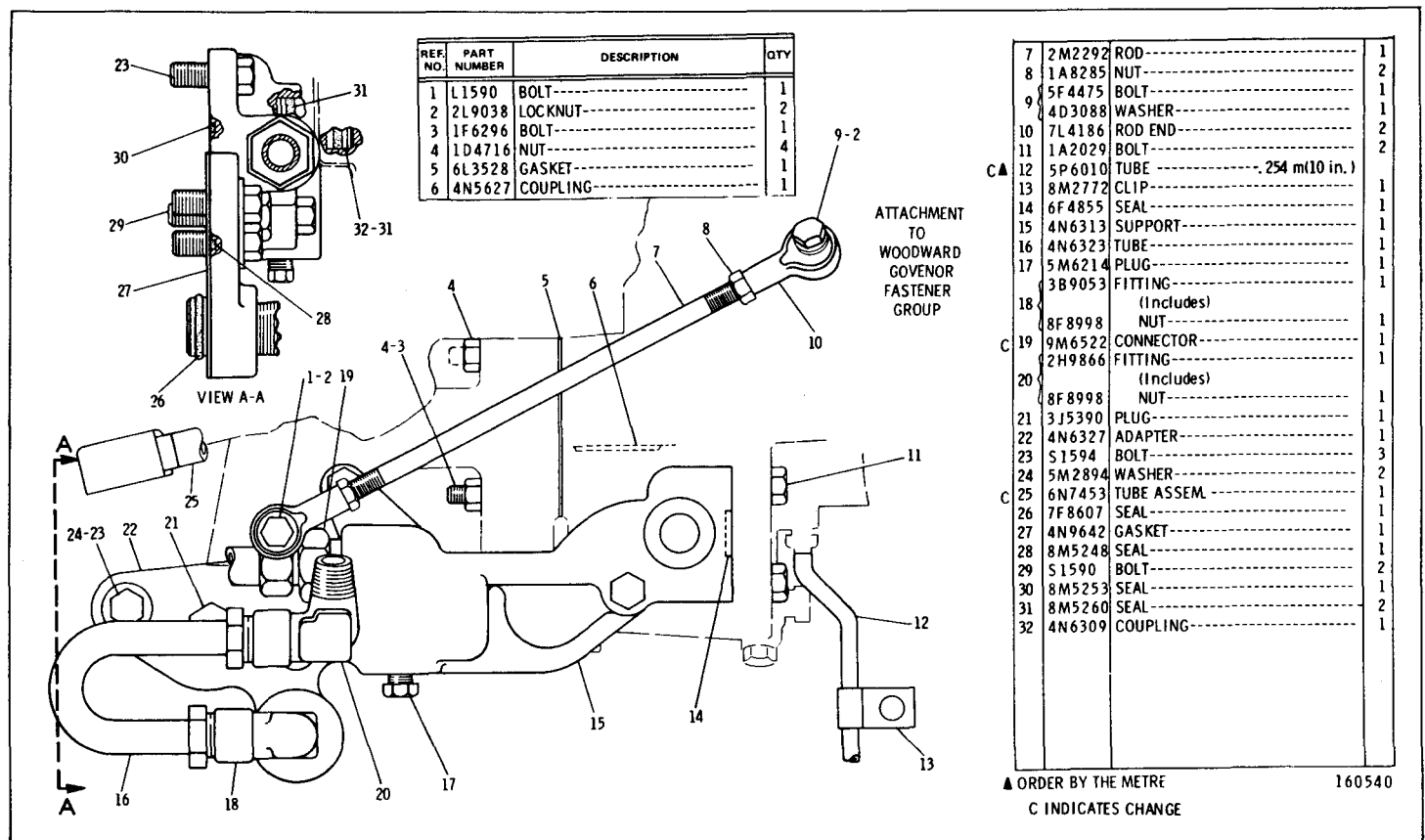
C INDICATES CHANGE

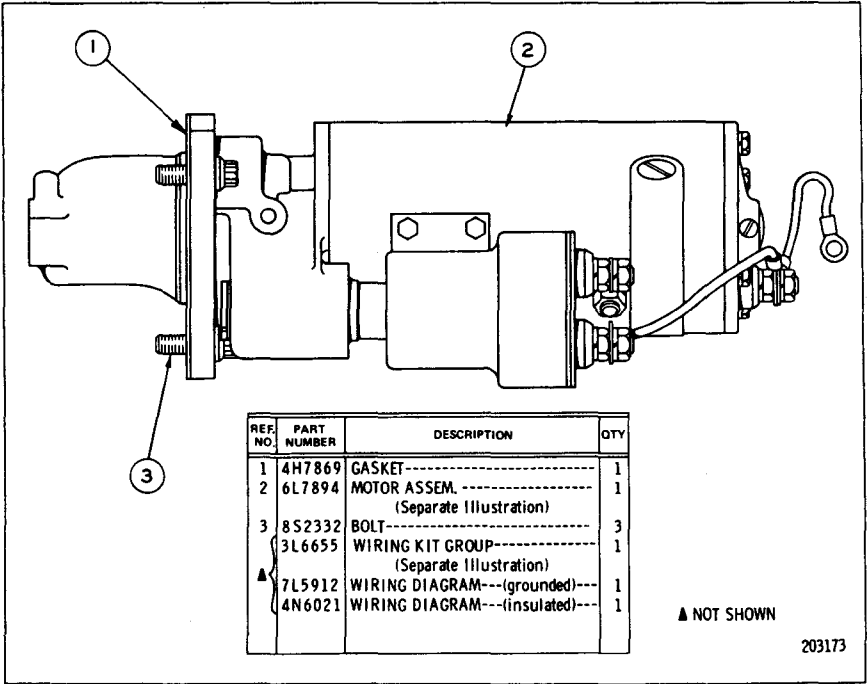
204498



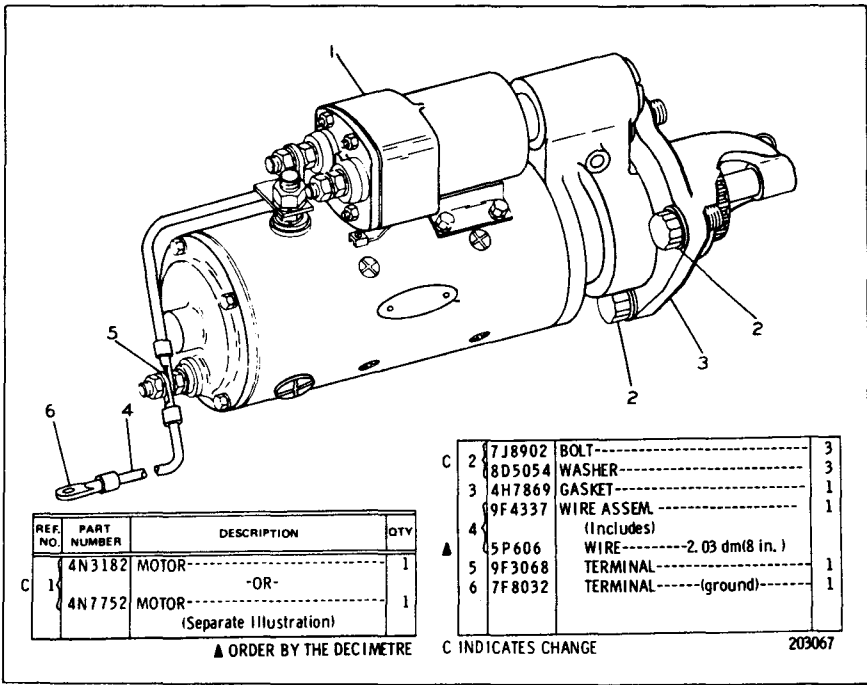
6N237 WOODWARD GOVERNOR FASTENER GROUP
AN ATTACHMENT

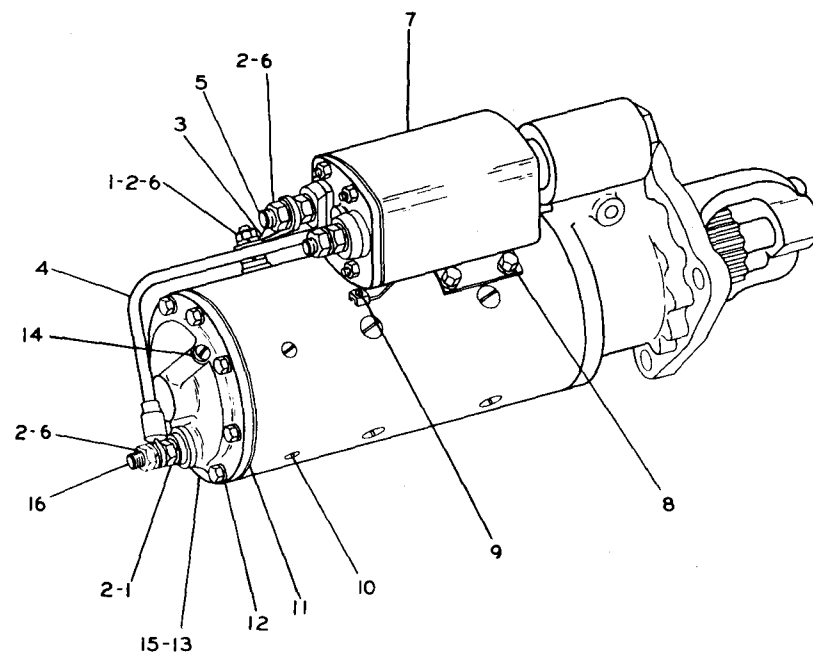
6N237 WOODWARD GOVERNOR FASTENER GROUP—Type 2
AN ATTACHMENT





4N4779 ELECTRIC STARTING MOTOR GROUP—32 Volt
6L7894 Starting Motor and 3L6655 Wiring Kit parts are shown
on Pages 156, 157 and 158. AN ATTACHMENT



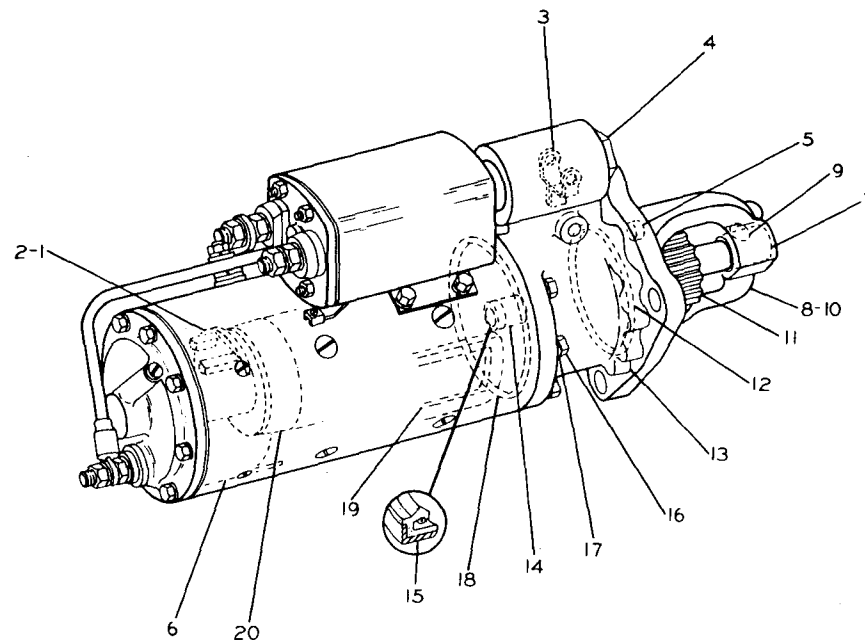


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1D5117	NUT------(jam)-----	2
2	3B4508	LOCKWASHER-----	6
3	4N9405	CONNECTOR-----	1
4	4N9404	LEAD ASSEM.-----	1
5	2P8819	KIT------(Field Terminal Stud)----- (Includes Stud, Bushing & Washers)	1
6	1D4719	NUT-----	4
7	9S7976	SOLENOID ASSEM.----- (Separate Illustration)	1
8	6H3622	SCREW-----	4
9	3B4504	LOCKWASHER-----	4
10	3K6116	WASHER-----	4
11	4M3217	SCREW-----	2
12	4B1220	SCREW-----	3
13	8S1553	GASKET-----	1
14	3B4502	LOCKWASHER-----	7
15	1P7831	HEAD ASSEM.---(Commutator End)---	1
16	2B4602	PLUG-----	1
17	1P7832	KIT------(Bearing & Wick)-----	1
18	4N9403	KIT-(Commutator End Terminal Stud) (Includes Stud, Bushing & Washers)	1

200573

4N7752 ELECTRIC STARTING MOTOR GROUP—Prestolite—Part 1
 Only separate parts serviced. When complete group is required order 4N3181
 Part of 7S3622 Electric Starting Motor Group shown on Page 149. 9S7976 Solenoid parts are shown on Page 158A

4N7752 ELECTRIC STARTING MOTOR GROUP—Prestolite—Part 2
 Only separate parts serviced. When complete group is required order 4N3181
 Part of 7S3622 Electric Starting Motor Group shown on Page 149



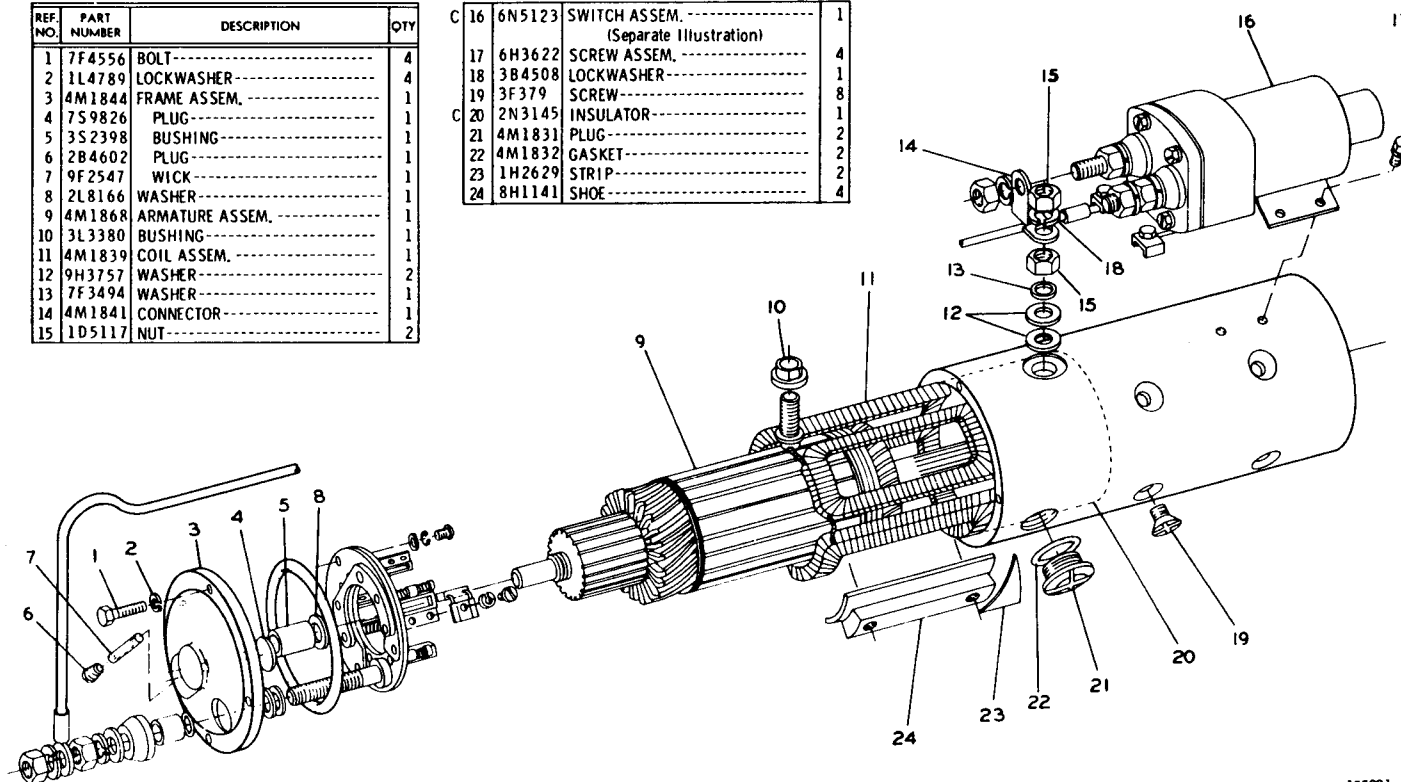
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P8822	PLATE ASSEM.	1
2	4N9401	KIT----- (Includes 6 Brushes)----	1
	2P8868	KIT----- (Includes 8 Springs)----	1
3	2P8825	SHIFT YOKE ASSEM.	1
4	2P8817	KIT----- (Yoke Adjusting)-----	1
		(Includes Plugs, Pin, Gasket & Nut)	
5	8S1535	KIT----- (Includes 6 Plugs)-----	1
6	4N9402	KIT----- (Includes 10 Insulations)---	1
7	8S4684	KIT----- (Bearing & Wick)-----	1
8	8S1543	HOUSING ASSEM. --- (Pinion)-----	1
9	2B4602	PLUG-----	1
10	8S4680	KIT----- (Includes 10 Seals)---	1
11	4N4517	DRIVE ASSEM.	1
12	2H3931	SEAL-----	1
13	2P8824	HOUSING ASSEM.	1
	2B4602	PLUG-----	1
14	8S2226	BUSHING-----	1
15	8S2225	SEAL-----	1
16	L1340	SCREW-----	7
	2P8816	KIT-- (Includes Housing Screws)---	1
17	3B4504	LOCKWASHER-----	7
18	4M189	SEAL-----	1
19	2P8818	KIT----- (Field Coil)-----	1
		(Includes Coils, Gaskets & Screws)	
	8S1546	ARMATURE ASSEM.	1
20	8S8075	KIT-- (Armature Thrust Washers)---	1

200574

4N3182 ELECTRIC STARTING MOTOR GROUP—Delco-Remy—24 Volt—Part 1 of 3
 Only separate parts serviced. When complete group is required order 4N3181
 Part of 7S3622 Electric Starting Motor Group shown on Page 149. 6N5123 Solenoid Switch parts are shown on Page 158A

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7F4556	BOLT-----	4
2	1L4789	LOCKWASHER-----	4
3	4M1844	FRAME ASSEM.-----	1
4	7S9826	PLUG-----	1
5	3S2398	BUSHING-----	1
6	2B4602	PLUG-----	1
7	9F2547	WICK-----	1
8	2L8166	WASHER-----	1
9	4M1868	ARMATURE ASSEM.-----	1
10	3L3380	BUSHING-----	1
11	4M1839	COIL ASSEM.-----	1
12	9H3757	WASHER-----	2
13	7F3494	WASHER-----	1
14	4M1841	CONNECTOR-----	1
15	1D5117	NUT-----	2

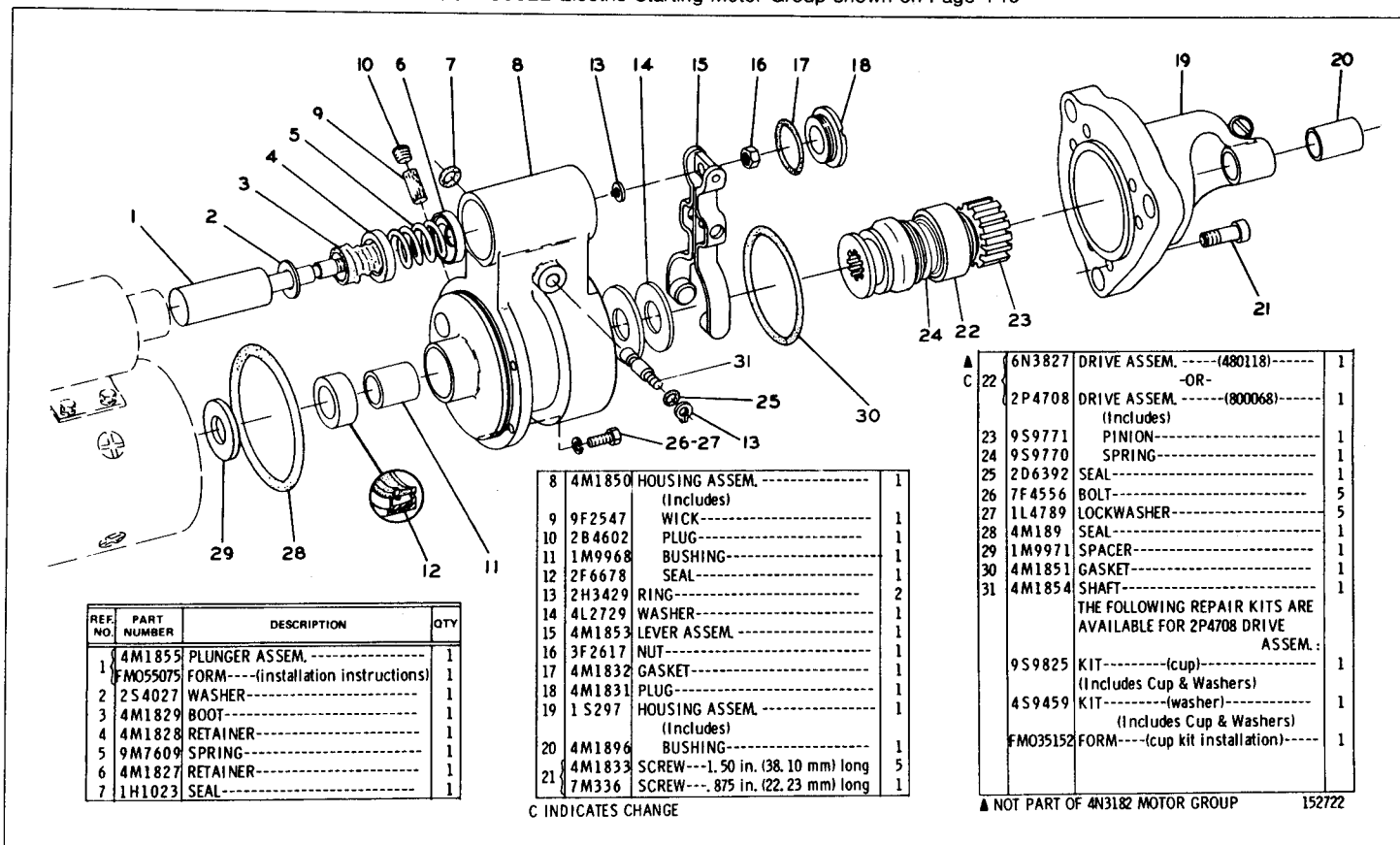
C	16	6N5123	SWITCH ASSEM.-----	1
			(Separate Illustration)	
	17	6H3622	SCREW ASSEM.-----	4
	18	3B4508	LOCKWASHER-----	1
	19	3F379	SCREW-----	8
C	20	2N3145	INSULATOR-----	1
	21	4M1831	PLUG-----	2
	22	4M1832	GASKET-----	2
	23	1H2629	STRIP-----	2
	24	8H1141	SHOE-----	4



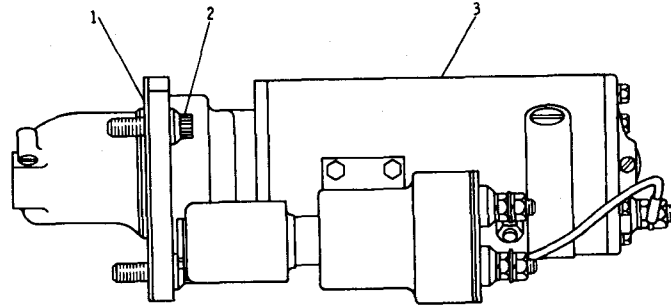
C INDICATES CHANGE

155231

4N3182 ELECTRIC STARTING MOTOR GROUP—Delco-Remy—24 Volt—Part 3 of 3
 Only separate parts serviced. When complete group is required order 4N3181
 Part of 7S3622 Electric Starting Motor Group shown on Page 149



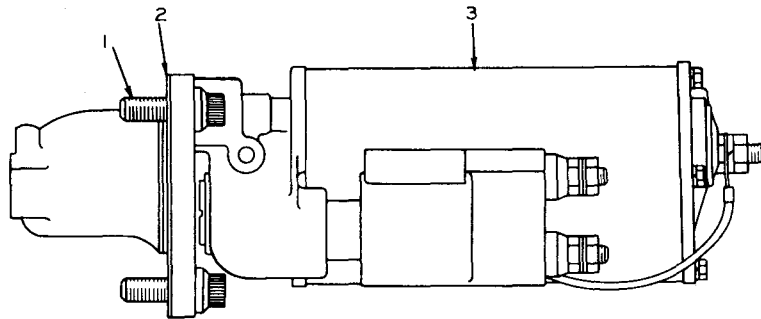
C INDICATES CHANGE



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4H7869	GASKET-----	1
2	8S2332	BOLT-----	3
3	9L3597	MOTOR ASSEM.----- (Separate Illustration)	1

202633

3N7743 STARTING MOTOR GROUP—12 Volt
9L3597 Starting Motor parts are shown on Pages 152 and 153



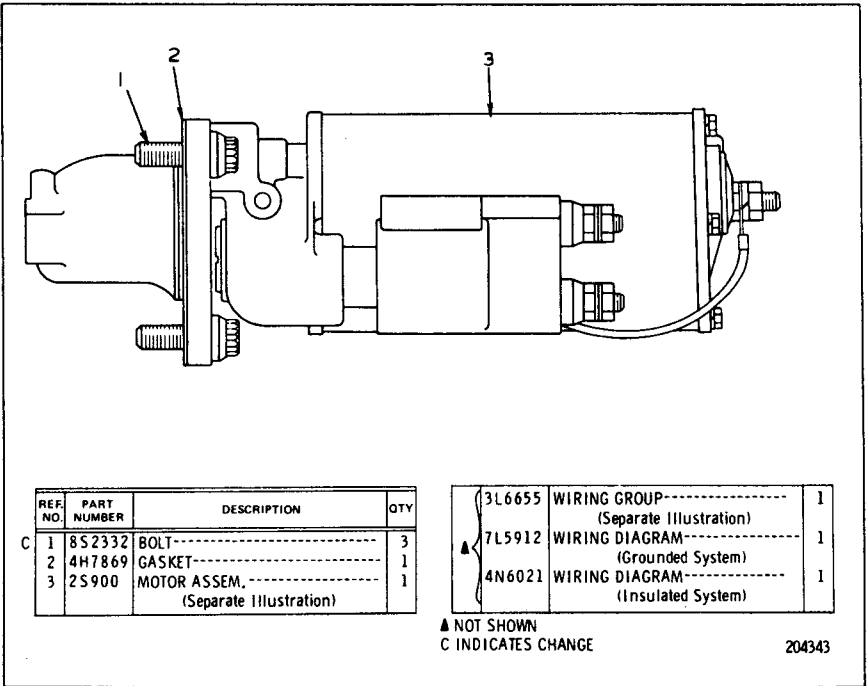
REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	8S2332	BOLT-----	3
2	4H7869	GASKET-----	1
3	9L3597	MOTOR ASSEM.----- (Separate Illustration)	1
C	3L6655	WIRING GROUP----- (Separate Illustration)	1
C	7L5912	WIRING DIAGRAM----- (grounded system)	1
C	4N6021	WIRING DIAGRAM----- (insulated system)	1

C INDICATES CHANGE

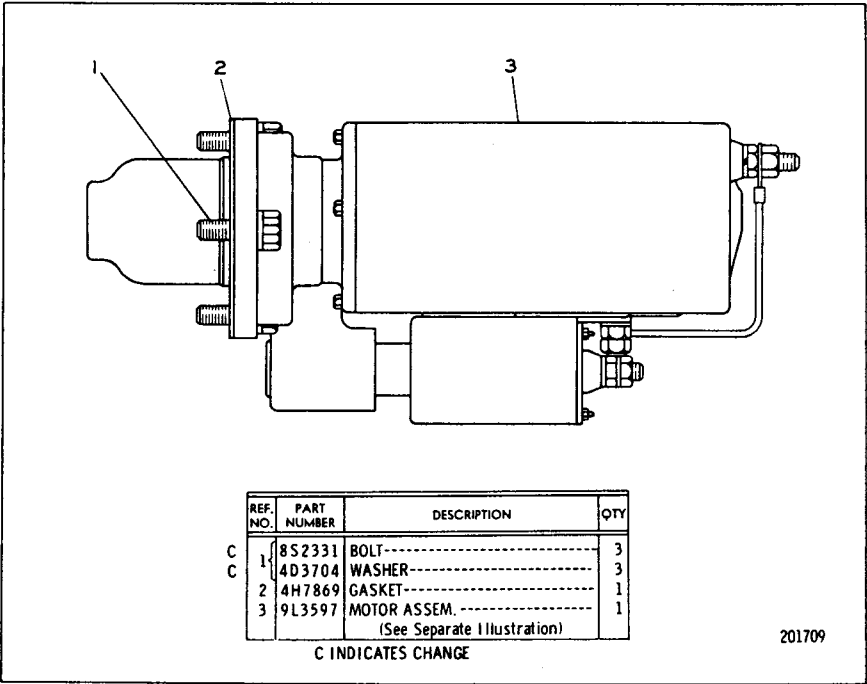
▲ NOT SHOWN

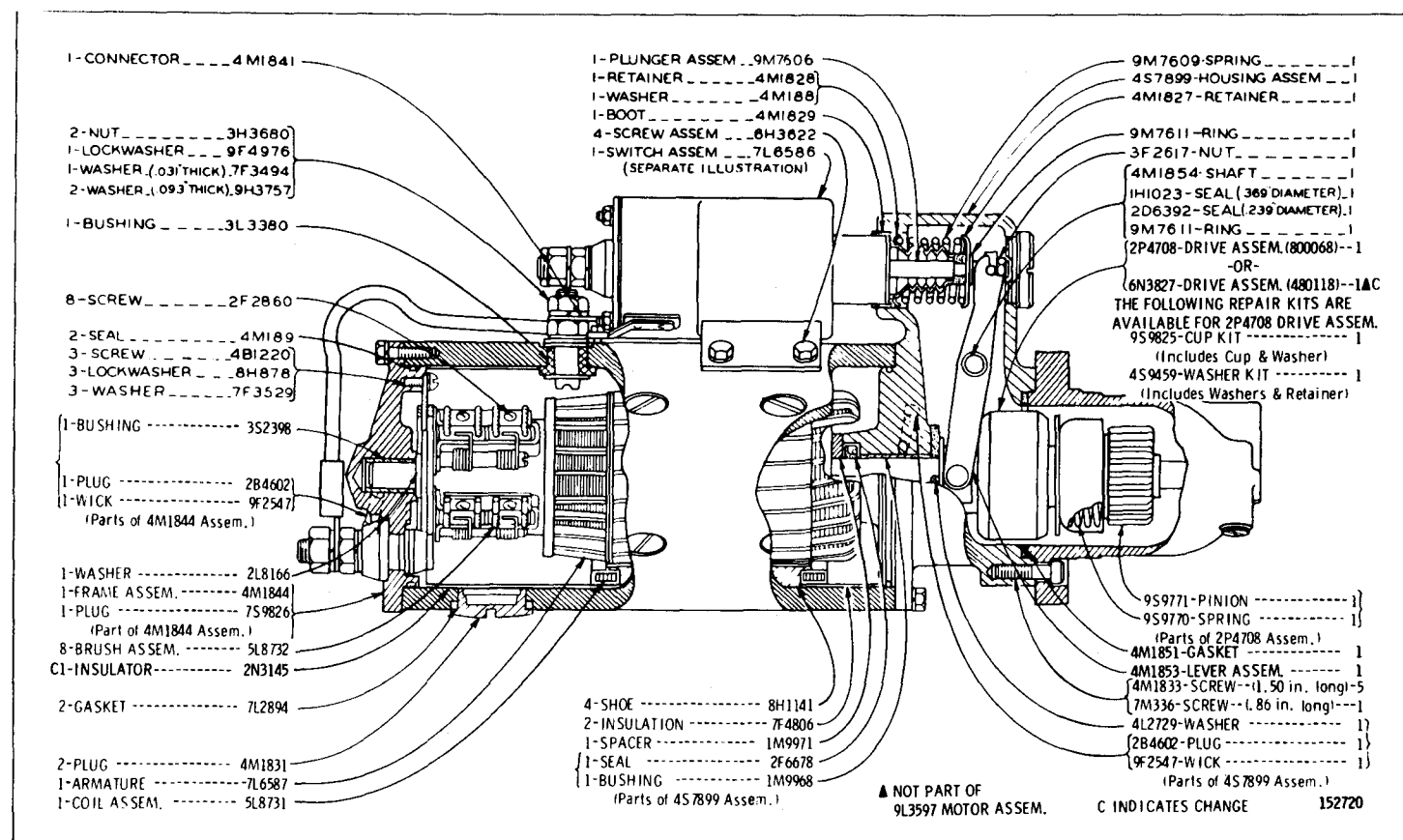
160209

9L5066 ELECTRIC STARTING MOTOR GROUP—12 Volt
9L3597 Starting Motor and 3L6655 Wiring Kit parts are shown
on Pages 152, 153 and 158
AN ATTACHMENT



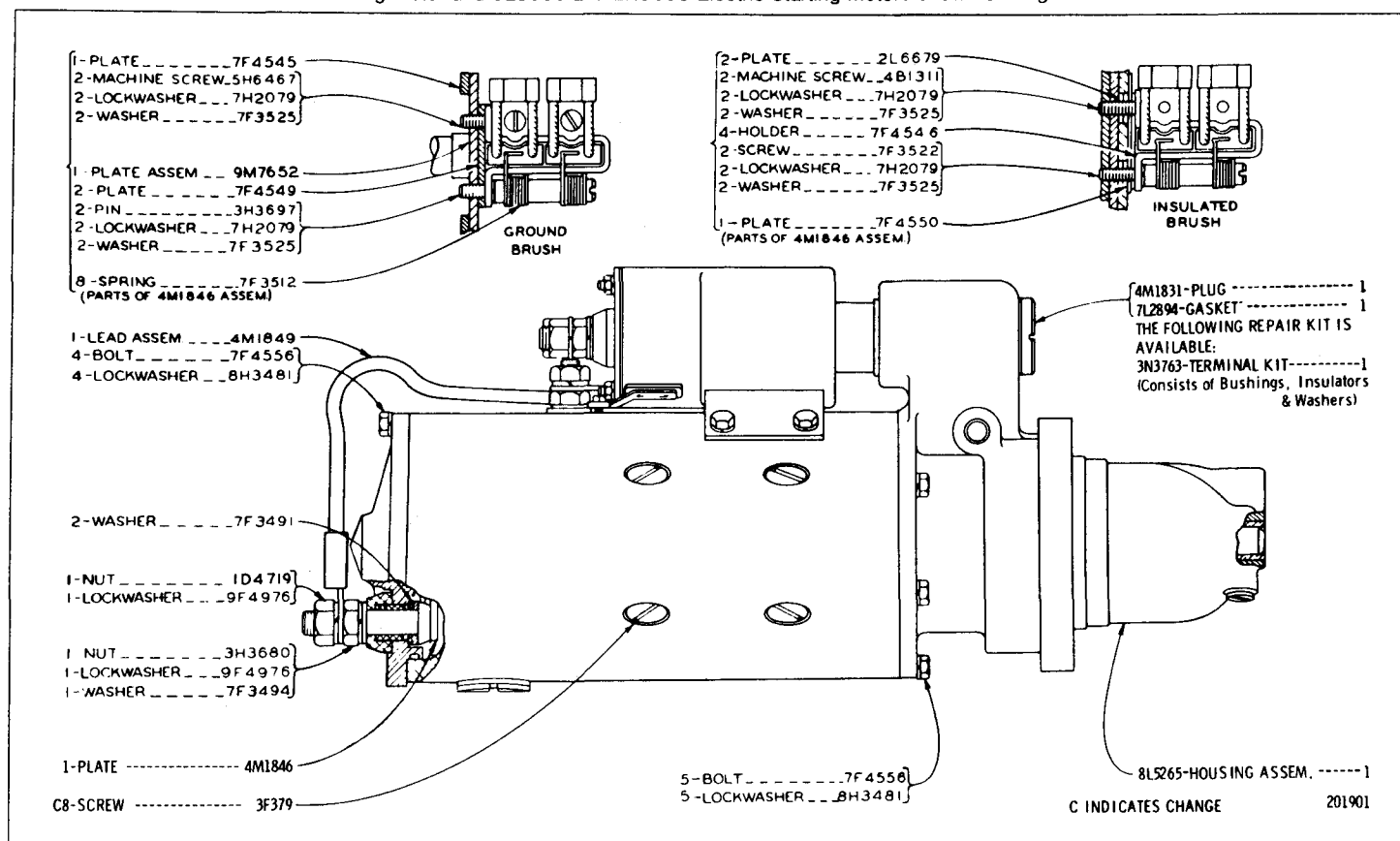
9L5065 ELECTRIC STARTING MOTOR GROUP—24 Volt
2S900 Starting Motor and 3L6655 Wiring Kit parts are shown on Pages 154, 155 and 158
AN ATTACHMENT

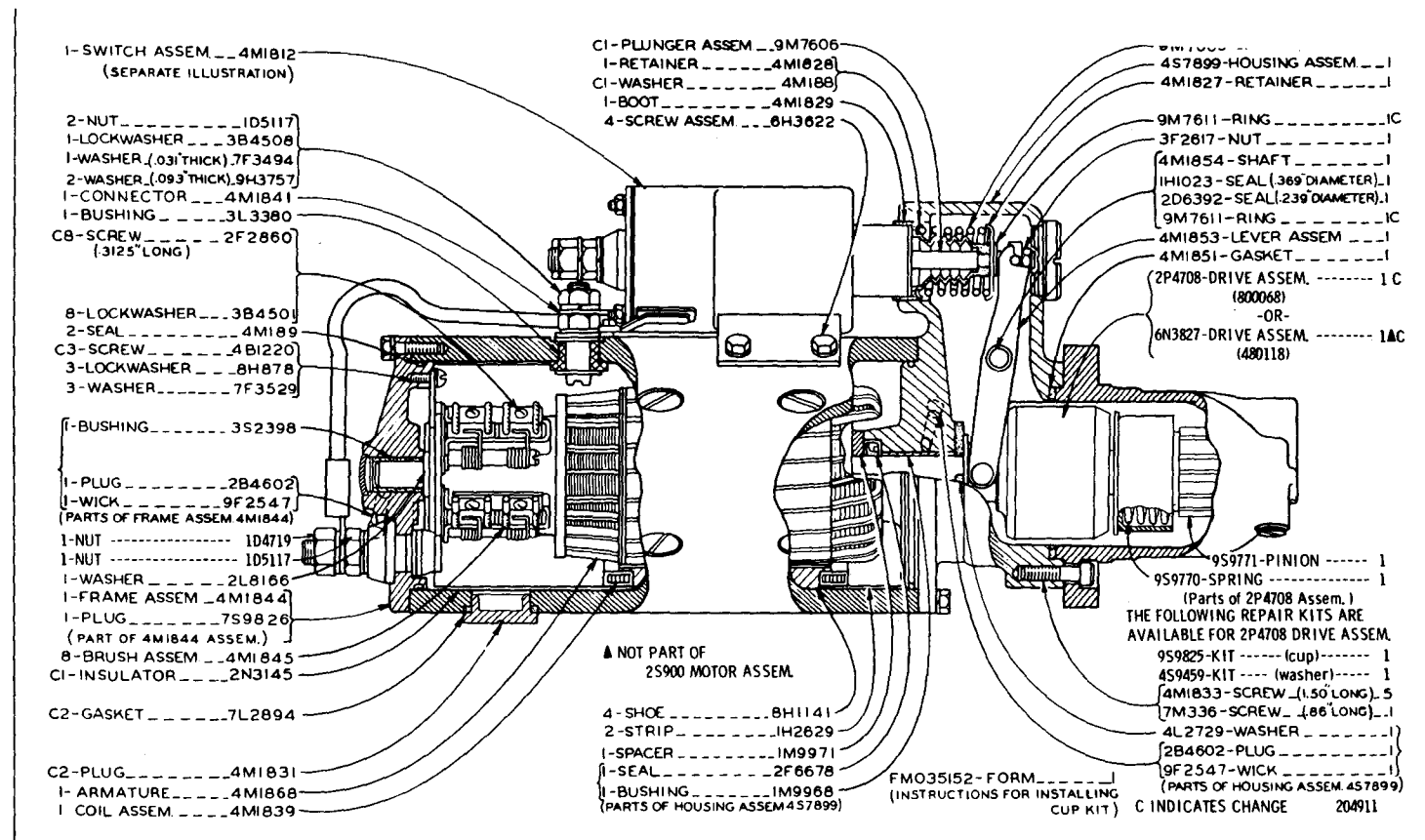




9L3597 ELECTRIC STARTING MOTOR GROUP—12 Volt—Part 1
Part of Starting Motor & 9L5066 & 2N9305 Electric Starting Motors shown on Pages 150 & 151
7L6586 Solenoid parts are shown on Page 158

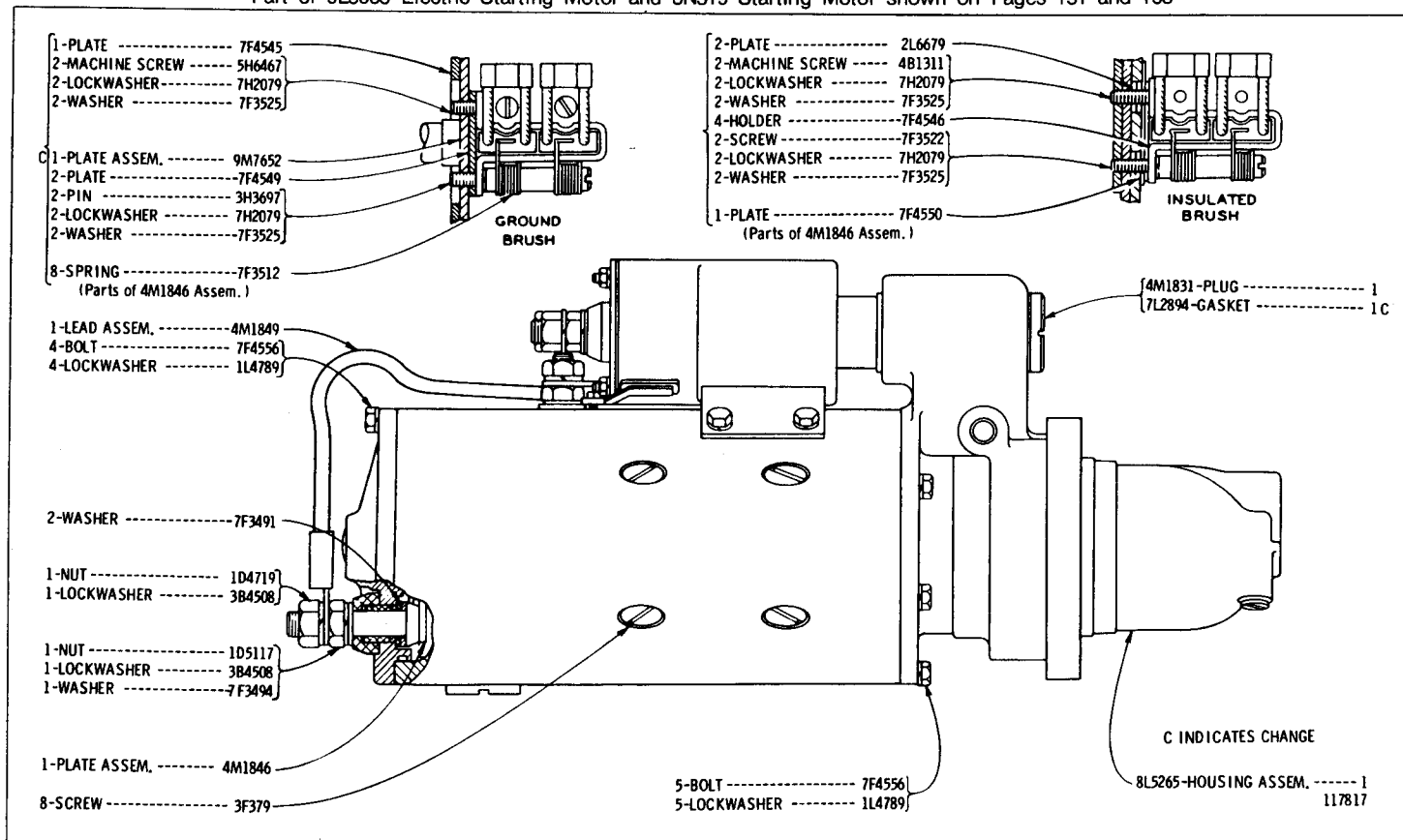
9L3597 ELECTRIC STARTING MOTOR GROUP—12 Volt—Part 2
Part of Starting Motor and 9L5066 and 2N9305 Electric Starting Motors shown on Page 150 & 151

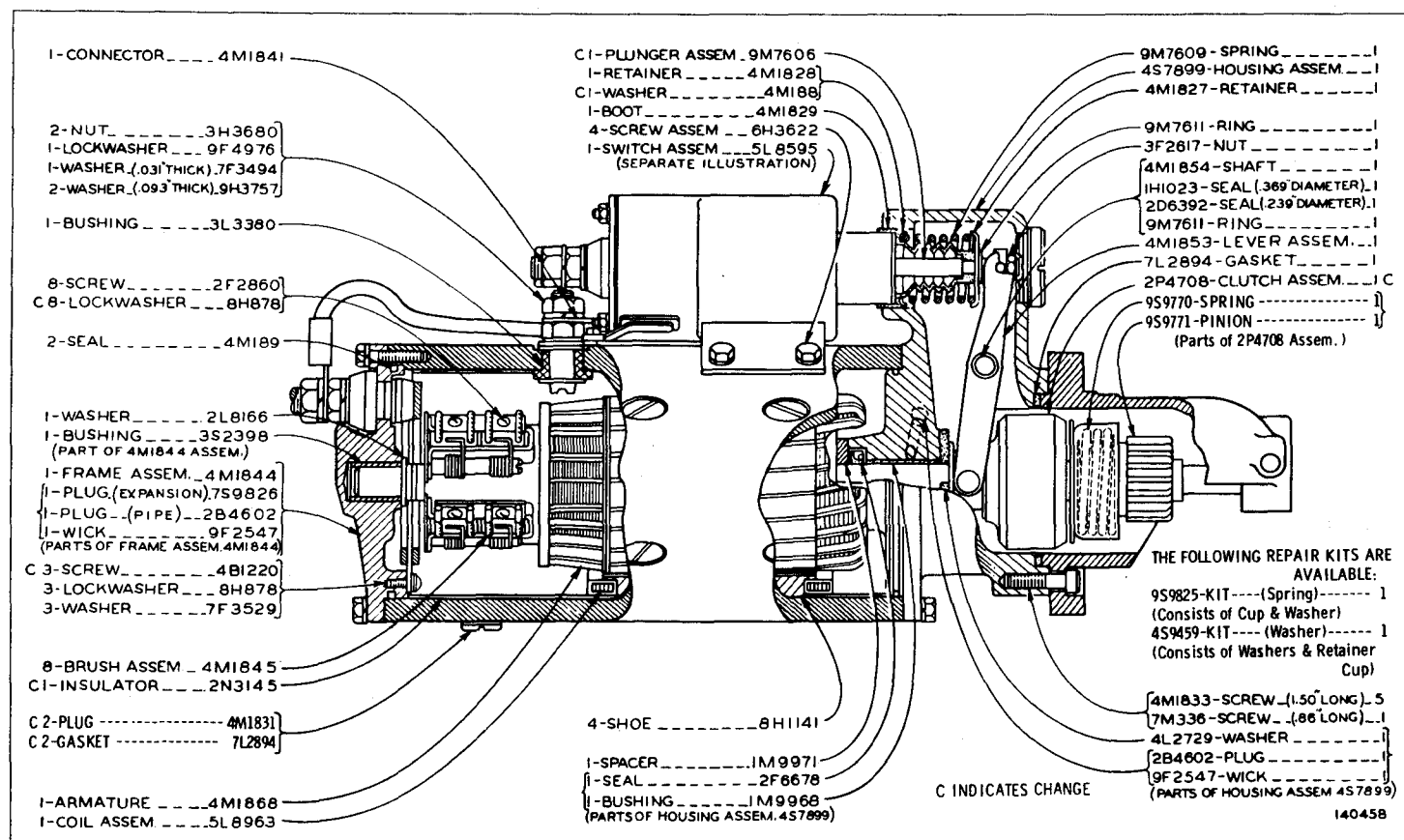




2S900 STARTING MOTOR ASSEMBLY—24 Volt—Part 1
Part of 9L5065 & 3N519 Starting Motor Groups shown on Page 151 & 163
4M1812 Solenoid Switch parts are shown on Page 159

2S900 STARTING MOTOR ASSEMBLY—Part 2
Part of 9L5065 Electric Starting Motor and 3N519 Starting Motor shown on Pages 151 and 163





6L7894 STARTING MOTOR ASSEMBLY—32 Volt—Part 1
Part of 4N4779 Electric Starting Motor Group shown on Page 149
5L8595 Solenoid Switch parts are shown on Page 159

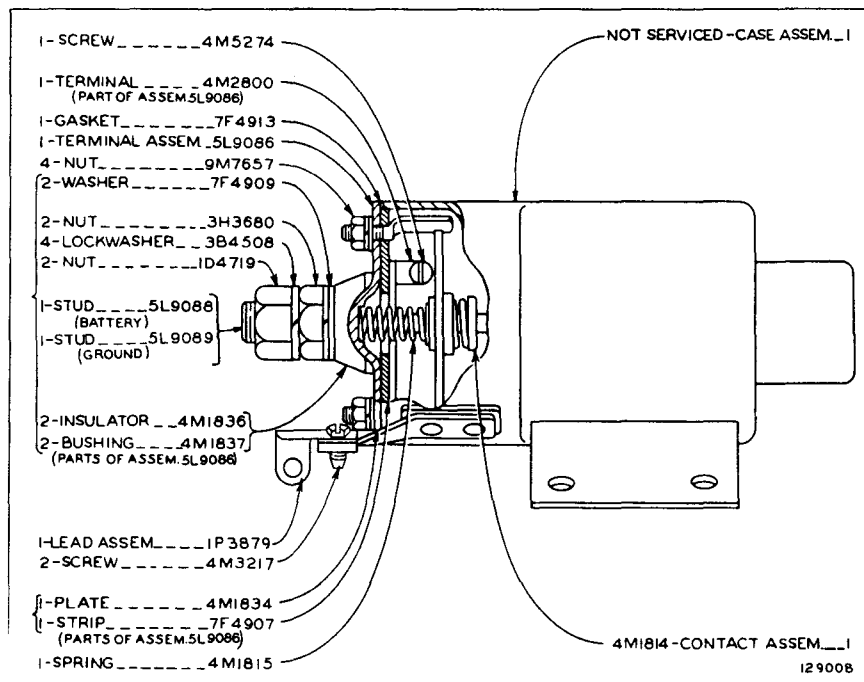
STARTING AND ELECTRICAL SYSTEM

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 (3-1/8" LONG)
2	1H5166	CLIP (3.50" LONG)
1	4H8310	STRAP
3	2L9724	CLIP (2.50" LONG)
1	1L9899	MARKER (WIRE CODE)
6	8L8413	TIE (5.50" LONG)
2	3S2093	TIE (7.31" LONG)

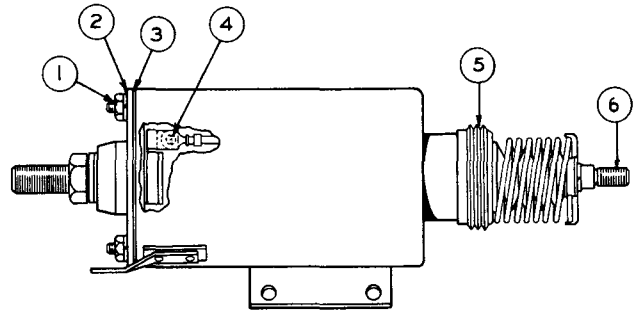
3L6655 WIRING KIT GROUP

Part of 4N4779, 9L5066 and 9L5065 Electric Starting Motor Groups shown on Pages 149, 150 and 151. Only separate parts serviced



7L6586 SOLENOID SWITCH ASSEMBLY

Part of 4N4779, 9L5066 and 9L5065 Electric Starting Motor Groups



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
C 1	9M7657	NUT-----	4
2	8S8023	COVER ASSEM.-----	1
3	8S8024	GASKET----- (Part of 8S8023 Cover Assem.)	1
4	9B7235	SCREW-----	1
	9M7233	LOCKWASHER-----	1
5	8S1528	BOOT-----	1
6	8S8021	CORE ASSEM.-----	1

The following Repair Kits are available:
 8S1524-KIT----- (Terminal Stud-Battery)----- 1
 8S1525-KIT----- (Terminal Stud-Motor)----- 1
 9S8688-KIT----- (Core-Contact End)----- 1
 8S1527-KIT----- (Core-Yoke End)----- 1

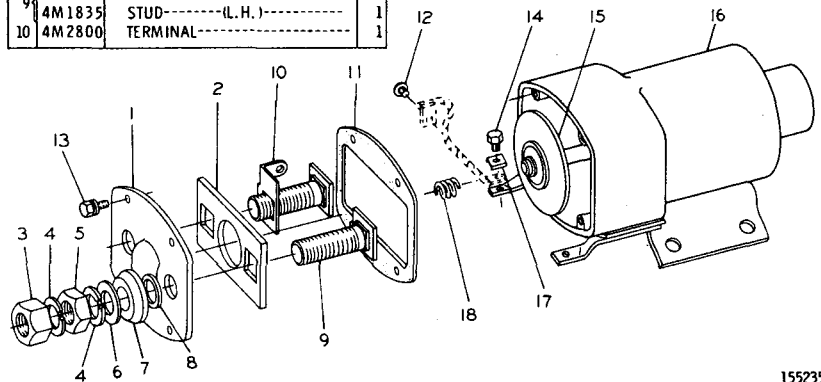
C INDICATES CHANGE

115899

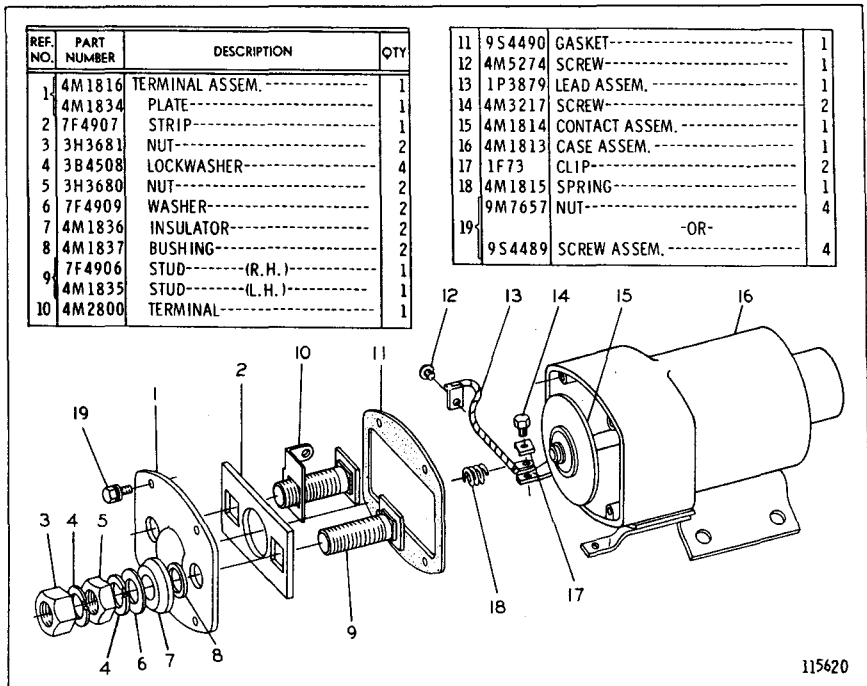
9S7976 SOLENOID ASSEMBLY—24 Volt
 Part of Electric Starting Motor shown on Page 149A

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	4M1816	TERMINAL ASSEM.-----	1
	4M1834	PLATE-----	1
2	7F4907	STRIP-----	1
3	3H3681	NUT-----	2
4	3B4508	LOCKWASHER-----	4
5	3H3680	NUT-----	2
6	7F3494	WASHER-----	2
7	4M1836	INSULATOR-----	2
8	4M1837	BUSHING-----	2
9	7F4906	STUD----- (R. H.)-----	1
	4M1835	STUD----- (L. H.)-----	1
10	4M2800	TERMINAL-----	1

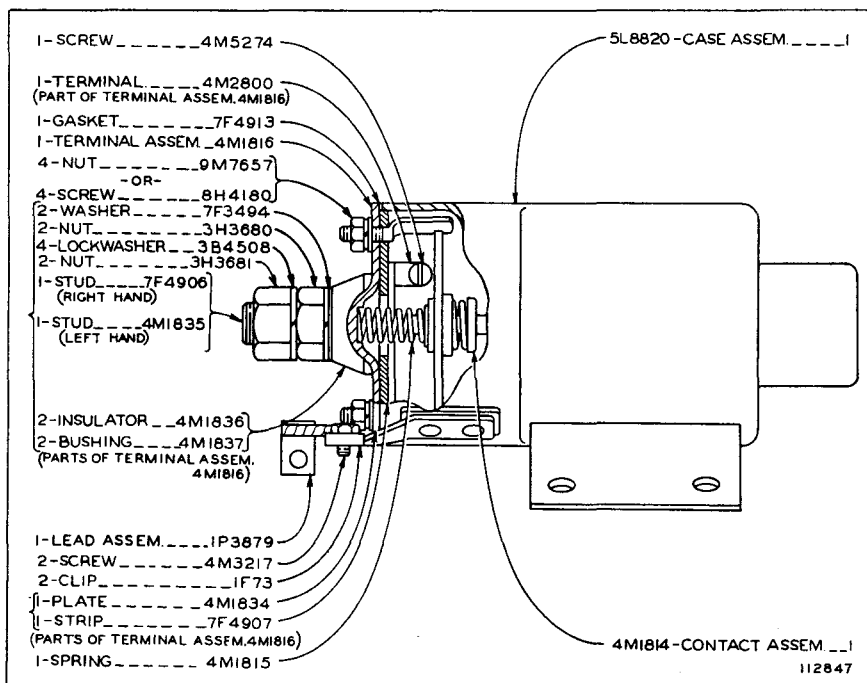
11	9S4490	GASKET-----	1
12	4M5274	SCREW-----	1
13	9S4489	SCREW ASSEM.-----	4
14	4M3217	SCREW-----	2
15	4M1814	CONTACT ASSEM.-----	1
16	3P72	CASE ASSEM.-----	1
17	1F73	CLIP-----	2
18	4M1815	SPRING-----	1

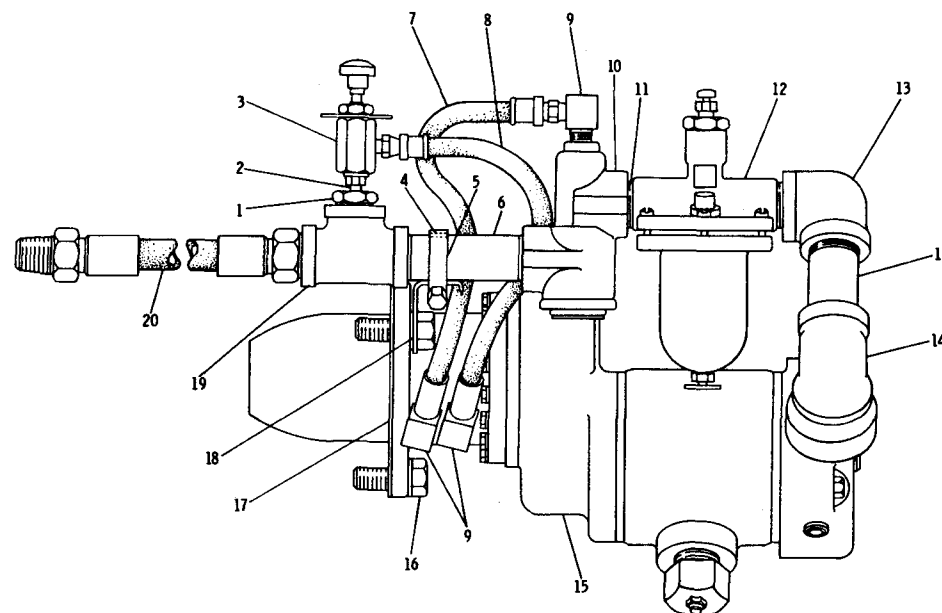


155235



4M1812 SOLENOID SWITCH ASSEMBLY
Part of 2S900 Starting Motor Assembly shown on Page 154





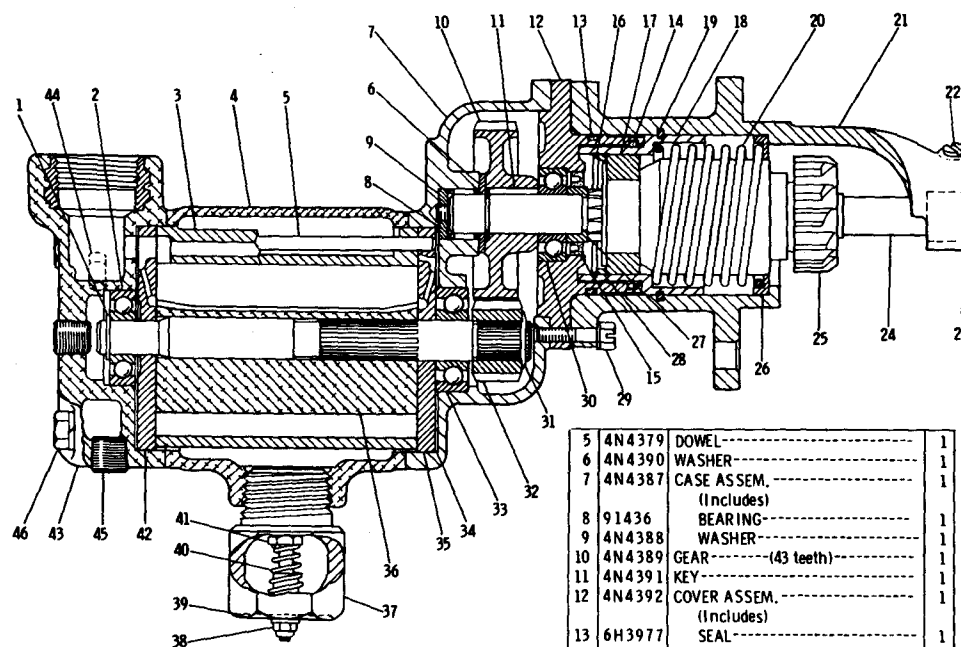
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4D3967	BUSHING-----	1
2	3B7264	NIPPLE-----(.75 in. long)---	1
3	4N3410	VALVE-----	1
4	1H690	STRIP-----	1
5	9M2904	CLAMP-----	1
6	7B7908	NIPPLE-----(.450 in. long)---	1
7	4N5666	HOSE ASSEM.----(15 in. long)---	1
8	4N5667	HOSE ASSEM.----(16 in. long)---	1
9	3D8884	ELBOW-----	3
10	7M9544	RELAY VALVE-----	1
11	3B7749	NIPPLE-----(.150 in. long)---	3
12	4L3124	LUBRICATOR-----	1
13	3B6498	ELBOW-----	1
14	3L9071	ELBOW-----	1
15	5L3785	NIPPLE-----(.2 in. long)---	1
15	4N4370	AIR MOTOR GROUP----- (Separate Illustration)	1
C 16	S1566	BOLT-----	3
16	4B4281	WASHER-----	3
17	4H7869	GASKET-----	1
18	4N5668	BRACKET-----	1
19	4B7770	TEE-----	1
20	9L4652	HOSE ASSEM.---(17.25 in. long)---	1

C INDICATES CHANGE

203200

4N5712 AIR STARTING MOTOR GROUP
4N4370 Motor parts are shown on Page 161
AN ATTACHMENT

4N4370 AIR MOTOR GROUP
Part of 4N5712 Air Starting Motor Group



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. (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
54	THE FOLLOWING REPAIR KIT IS AVAILABLE:		
55	4N4380	KIT (vane)	1

146138

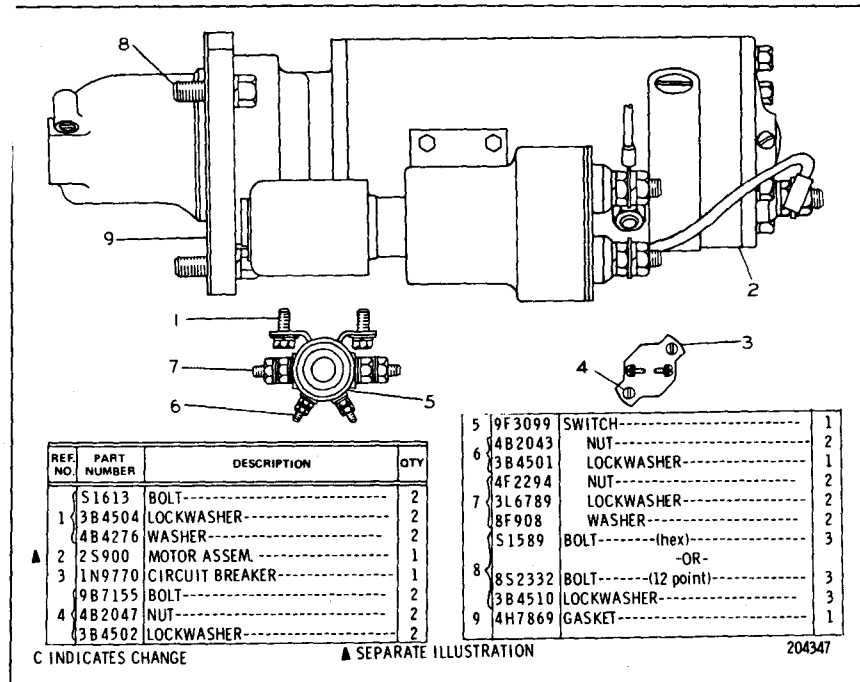
CONSISTS OF:			PAGE
1	8L4849	WIRING GROUP.....	164
1	3N519	STARTING MOTOR GROUP.....	163
1	3N584	SOLENOID SHUT-OFF GROUP.....	163
1	3N5486	HARNESS ASSEMBLY.....	167
1	3N6282	CONTACTOR GROUP.....	165
1	3N6354	PANEL ASSEMBLY.....	166
1		PRINT OF WIRING DIAGRAM	

3N7791 AUTOMATIC ELECTRIC START-STOP ARRANGEMENT—24 Volt
Only separate parts serviced. FOR USE WITH STANDBY ELECTRIC SET AND TOP
MOUNTED CRANKING PANEL. AN ATTACHMENT

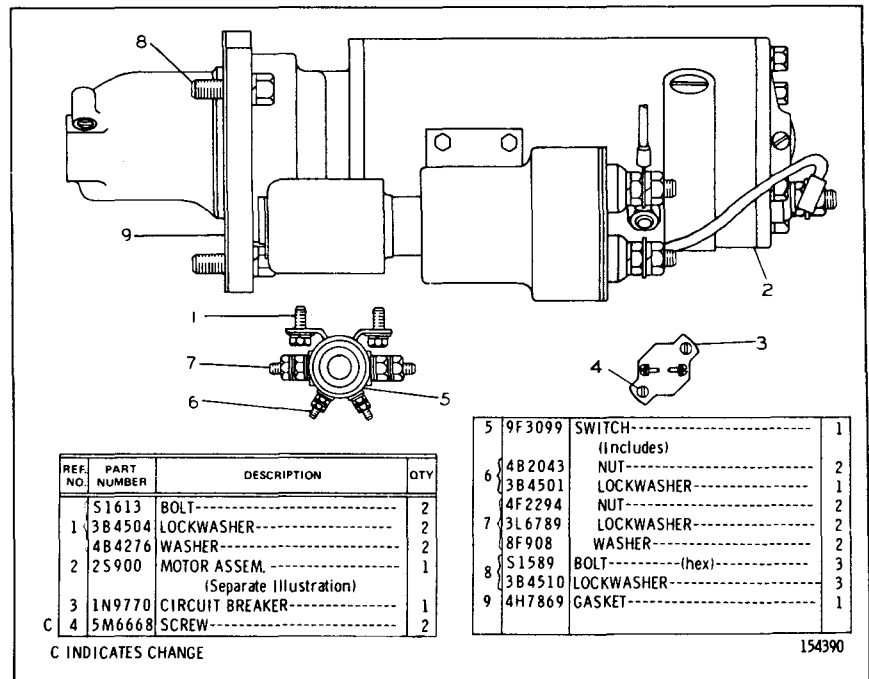
CONSISTS OF:			PAGE
1	8L4960	JUNCTION BOX GROUP.....	166
1	3N519	STARTING MOTOR GROUP.....	163
1	3N584	SOLENOID SHUT-OFF GROUP.....	163
1	3N1530	CONTACTOR GROUP.....	165
1	8L4849	WIRING GROUP.....	164
1		PRINT OF WIRING DIAGRAM	

Part No.	Name	Usage Code *	
		Governor	For Use With
3N519	Starting Motor Group	HM, P2	N-PGS-NG
		HM, P2	PGS-G3
8L4849	Wiring Group	HM, P2	N-PGS-NG
		HM, P2	PGS-G3
8L4960	Junction Box Group	HM, P2	N-PGS-NG
3N8632	Shut-off Group	HM, P2	N-PGS-NG
		HM, P2	PGS-G3
3N6526	Contactor Group	HM, P2	N-PGS-NG
		HM, P2	PGS-G3
3N8783	Valve Assembly	HM, P2	N-PGS-NG
		HM, P2	PGS-G3
3N8806	Contactor Mounting Group	HM, P2	N-PGS-NG
		HM, P2	PGS-G3
3N6354	Instrument Panel Assembly	HM, P2	PGS-G3
3N8263	Harness Assembly	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.)			

AUTOMATIC START-STOP CHART

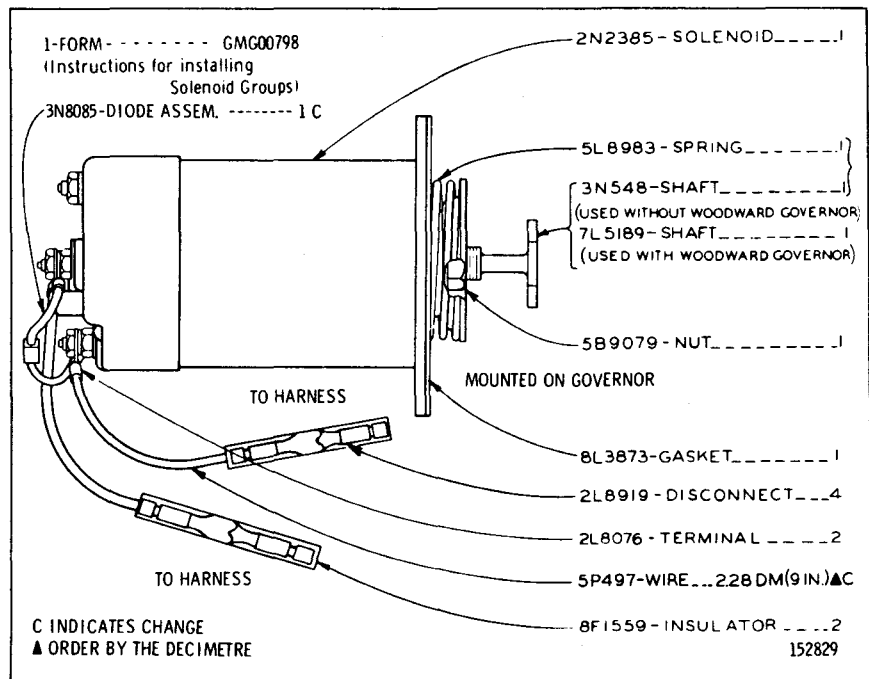


3N519 STARTING MOTOR GROUP—24 Volt—Type 1
 Also part of 3N7791 and 3N880 Automatic Start-Stop Arrangements
 listed on Page 162. 2S900 Motor parts are shown on Pages 154 & 155
 Refer to Chart on Page 162A for usage. AN ATTACHMENT



3N519 STARTING MOTOR GROUP—24 Volt—Type 2

Also part of 3N7791 and 3N880 Automatic Start-Stop Arrangements listed on Page 162. 2S900 Motor parts are shown on Pages 154 & 155 Refer to Chart on Page 162A for usage. AN ATTACHMENT



2N594 SOLENOID SHUT OFF GROUP

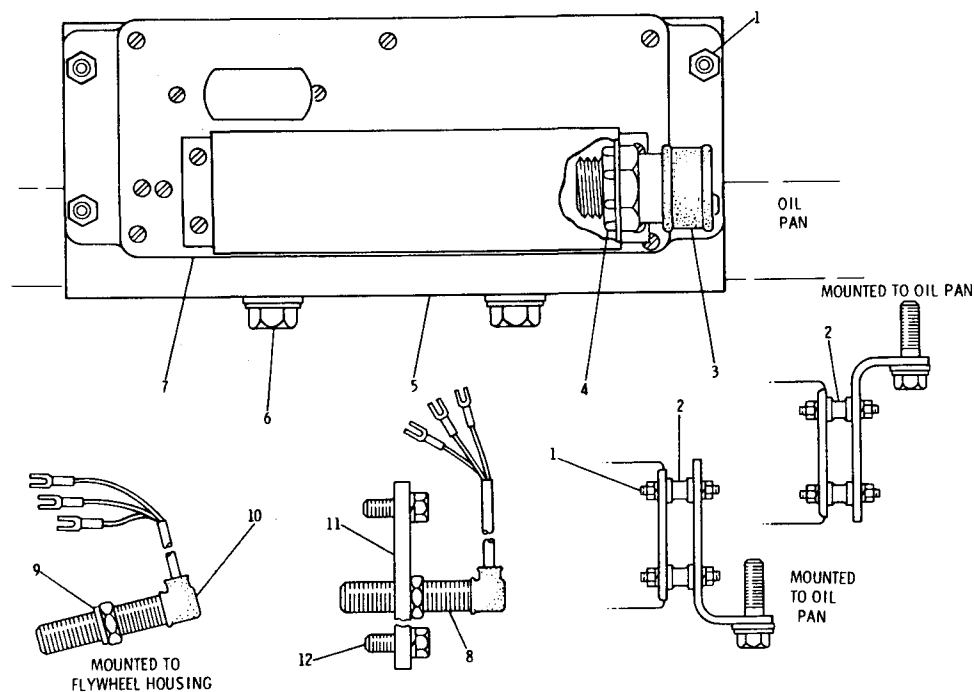
CONSISTS OF:

	4S8784	WIRE (No. 6)--5 FOOT	
	4S8785	WIRE (No. 10)--6 FOOT	
	4S8787	WIRE (No. 14)--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	8L8413	TIE (5.50" LONG)	
6	3S2093	TIE (7.31" LONG)	

8L4849 WIRING GROUP

Part of 3N7791 and 3N880 Automatic Start-Stop Arrangement listed on Page 162
Refer to Chart on Page 162A for usage

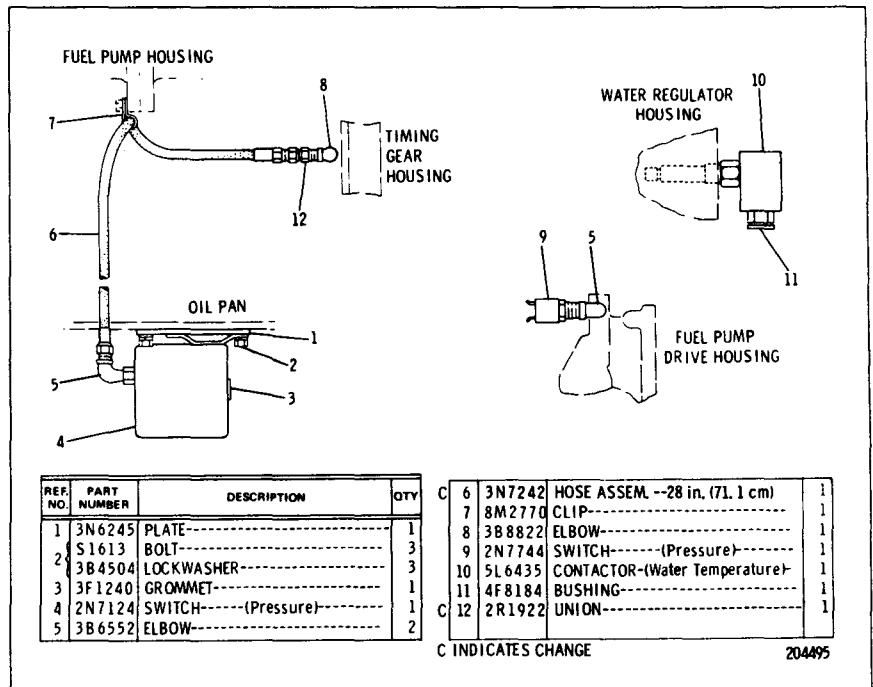
3N9595 CONTACTOR GROUP
Refer to Chart for usage
AN ATTACHMENT



NOTE: USE APPROPRIATE MOUNTING
AND HARDWARE

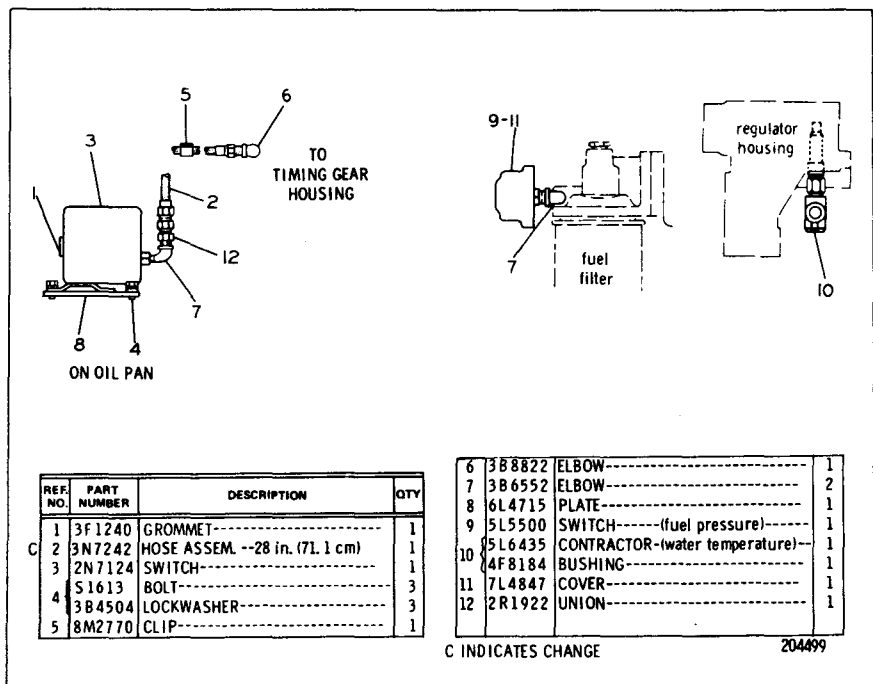
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4B2043	NUT-----	8
1	3B4501	LOCKWASHER-----	8
2	3N7588	MOUNT-----	4
3	8D7957	CONNECTOR-----	1
4	3F2065	LOCKNUT-----	1
5	3N7689	PLATE-----	1
6	2P3204	BOLT----- (washer head)	2
6	4B4278	WASHER-----	2
6	3N9596	SWITCH----- (speed)	1
7		(Includes)	
7	6L7159	SCREW-----	4
8	3N7477	PICK-UP ASSEM. --- (magnetic)---	1
9	4B4281	WASHER-----	1
10	613483	COVER-----	1
11	3N8388	PLATE-----	1
12	S1594	BOLT-----	4
12	3B4506	LOCKWASHER-----	4
	SMHS6819	FORM-----	1
		(Installing Overspeed Contact Group)	
	3N5605	WIRING DIAGRAM-----	1

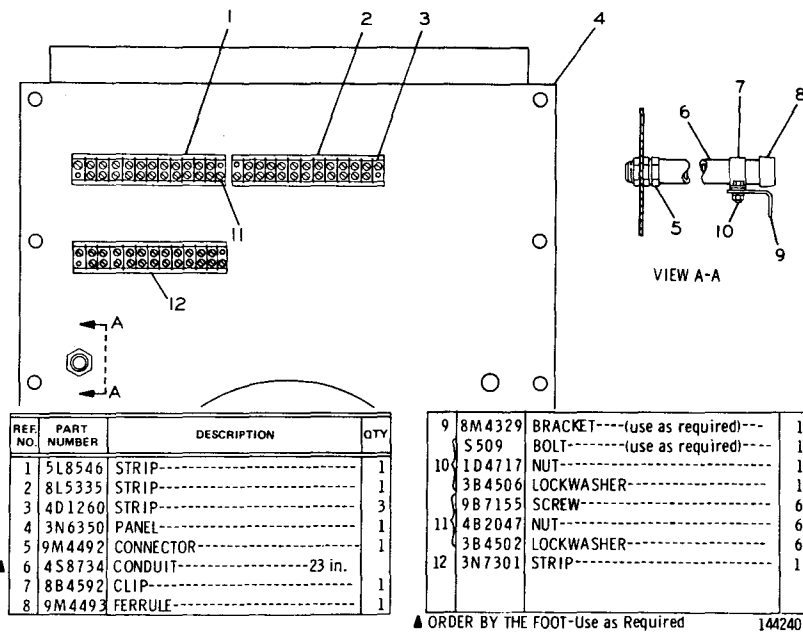
159594



3N6282 CONTACTOR GROUP

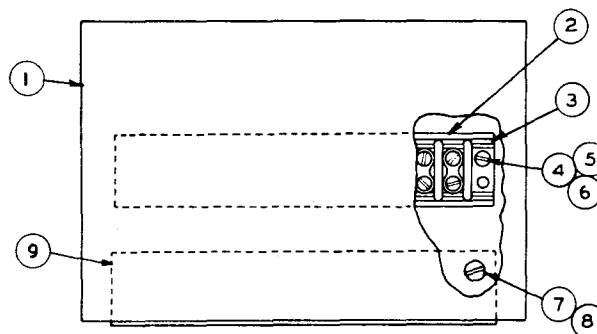
Part of 3N7791 Automatic Electric Start-Stop Arrangement listed on Page 162





3N6354 PANEL ASSEMBLY

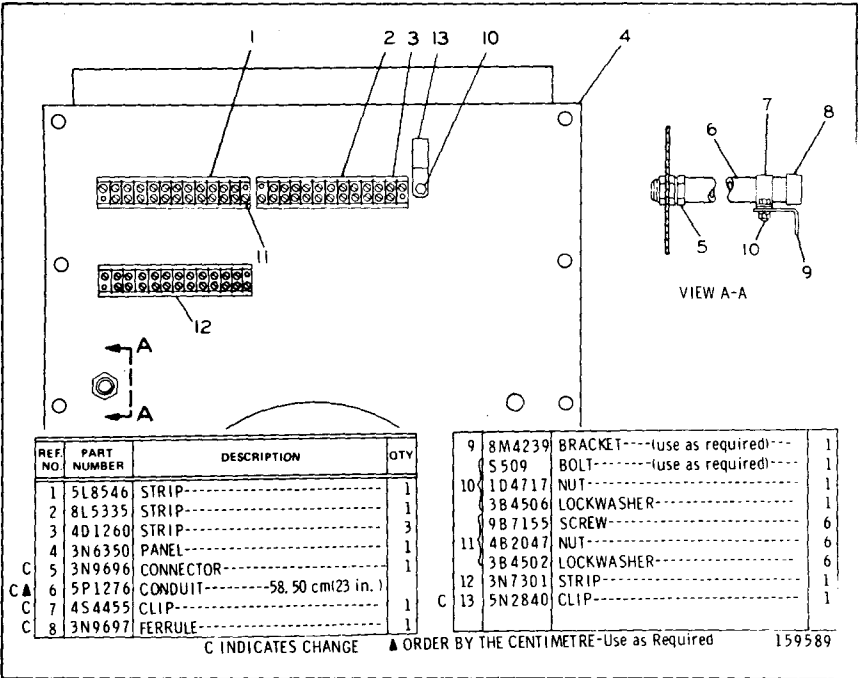
Also part of 3N7791 Automatic Electric Start-Stop Arrangement listed on Page 162
Refer to Chart on Page 162A for usage. AN ATTACHMENT



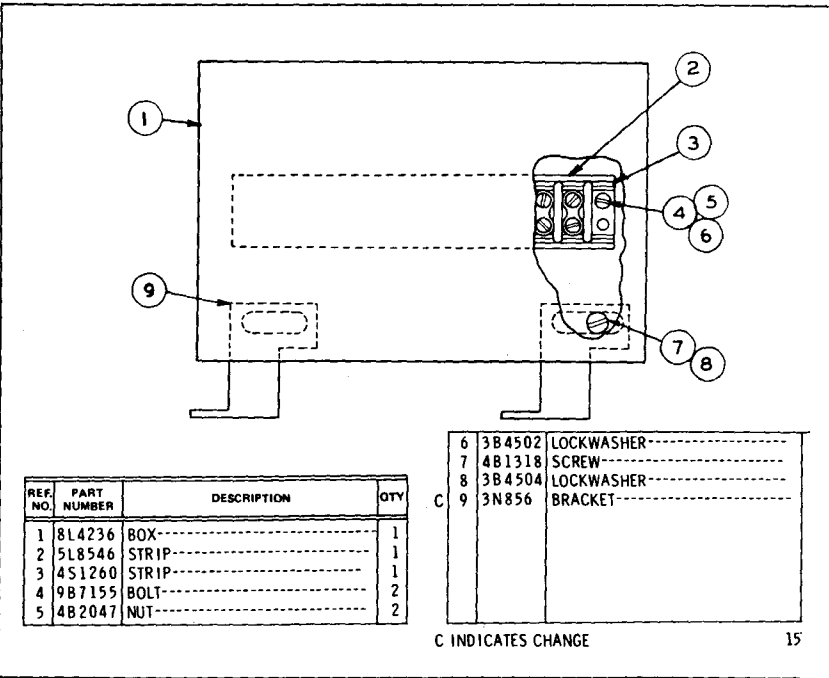
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8L4236	BOX-----	1
2	5L8546	STRIP-----	1
3	4S1260	STRIP-----	1
4	9B7155	BOLT-----	2
5	4B2047	NUT-----	2

6	3B4502	LOCKWASHER-----	2
7	4B1318	SCREW-----	2
8	3B4504	LOCKWASHER-----	2
9	8L4959	BRACKET-----	1

204496



3N6354 PANEL ASSEMBLY—Type 2
Refer to Chart on Page 162A for usage
AN ATTACHMENT

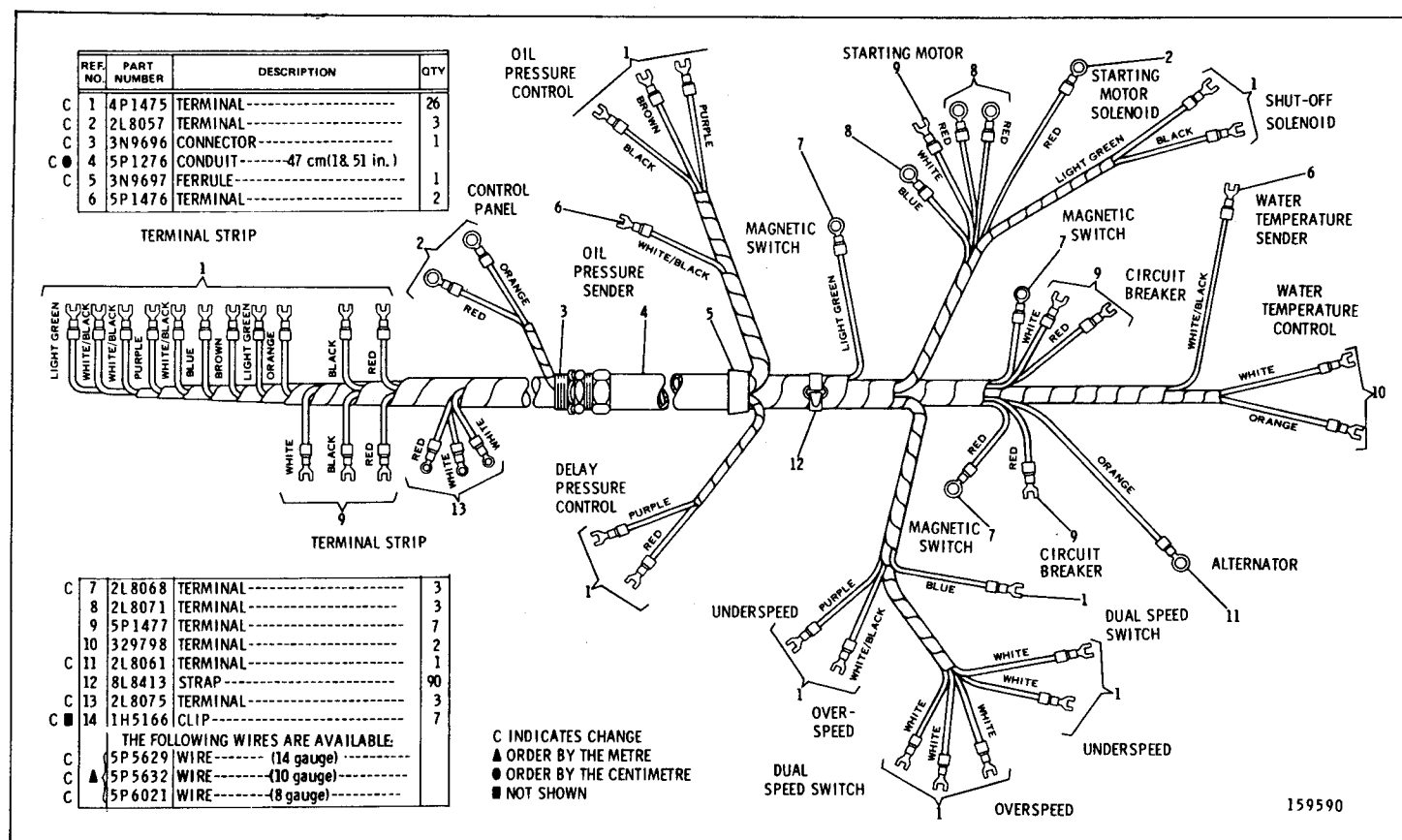


3N856 JUNCTION BOX GROUP—Type 2
Refer to Chart on Page 162A for usage

STARTING AND ELECTRICAL SYSTEM

166A





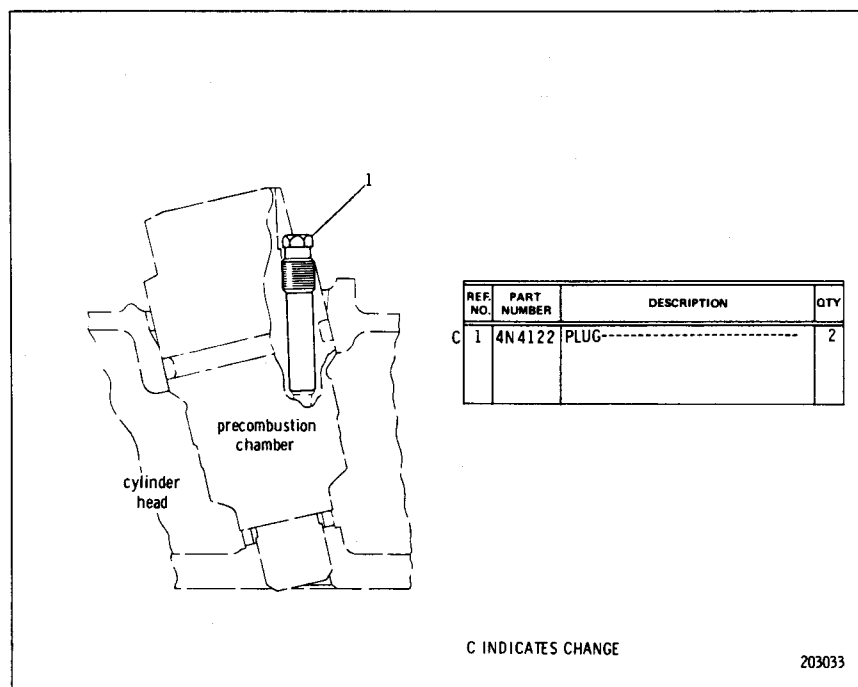
3N8263 WIRING HARNESS ASSEMBLY
 FOR USE WITH STAND-BY GENERATOR SET
 Refer to Chart shown on Page 162A for usage

STARTING AND ELECTRICAL SYSTEM

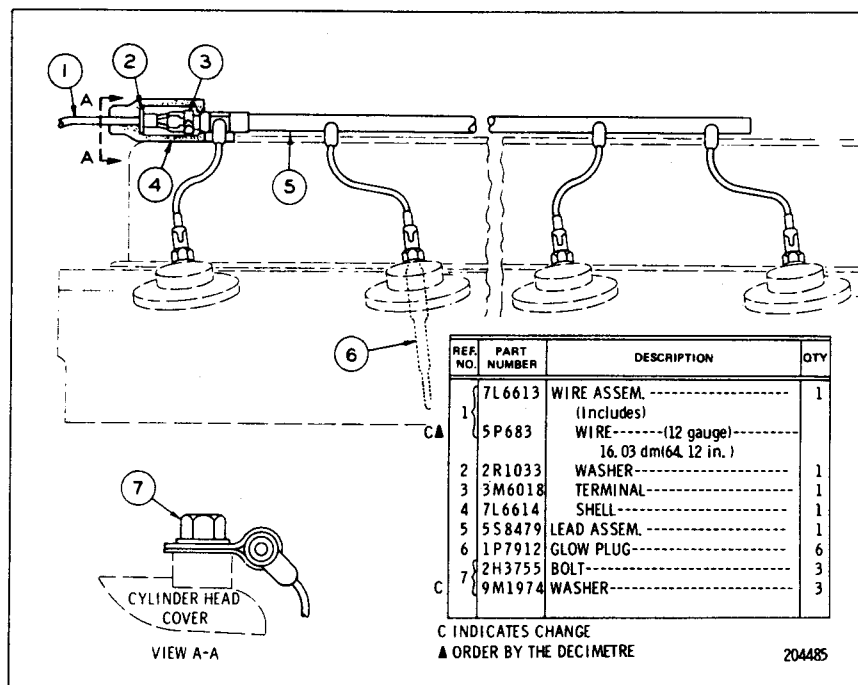


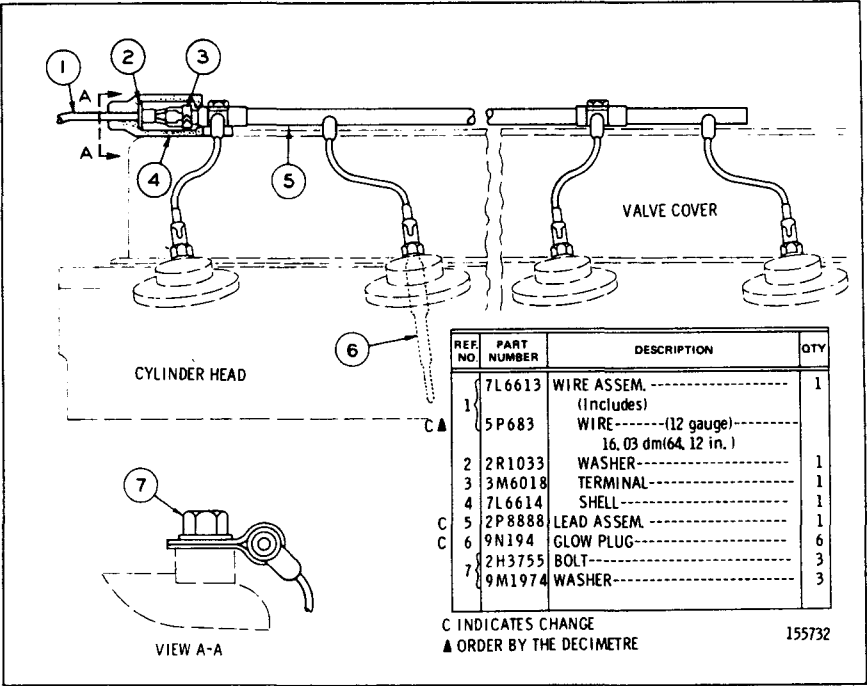
THE FOLLOWING WIRES ARE AVAILABLE:	
5P497	WIRE----- (14 gauge)-----
5P616	WIRE----- (10 gauge)-----

151005

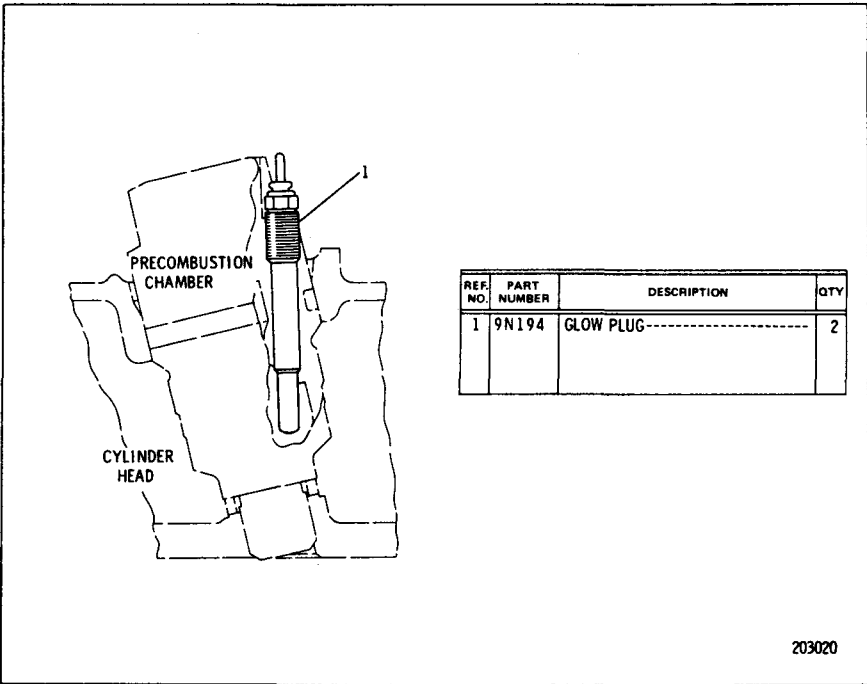


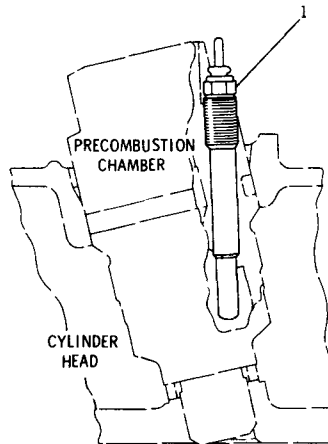
3N3892 DUMMY PLUG GROUP

9L4243 GLOW PLUG AND WIRING GROUP—12 Volt
Serial No. 66D12370 to 66D14890 Inclusive



9L4243 GLOW PLUG GROUP—12 Volt
Serial No. 66D14881—Up

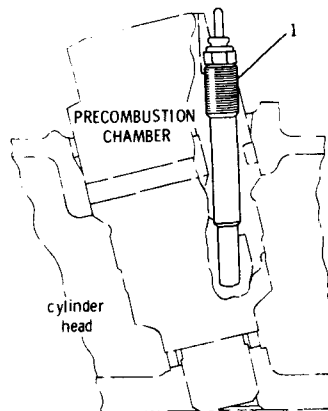




REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N360	GLOW PLUG-----	2

203021

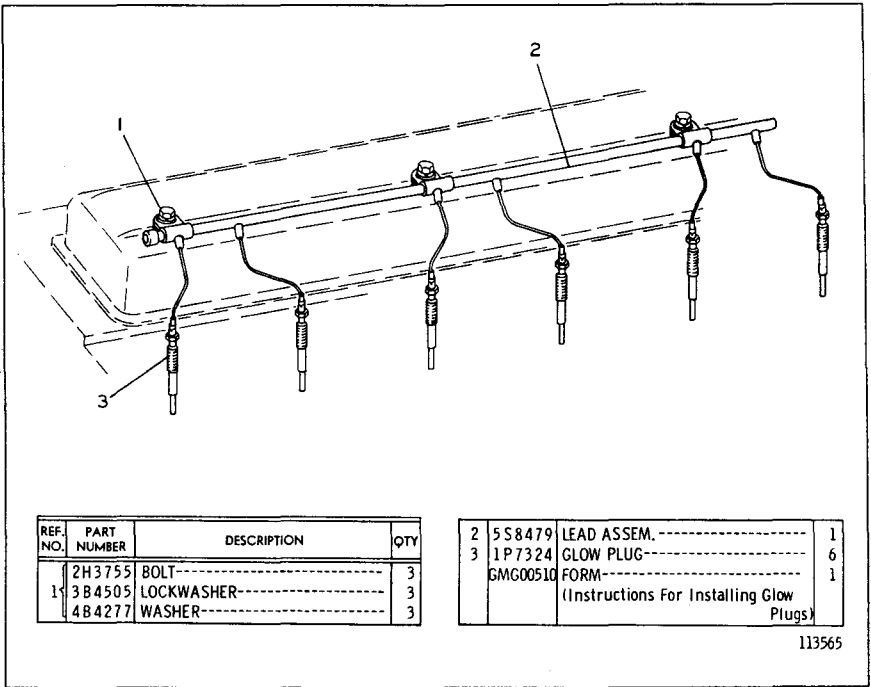
6N1058 GLOW PLUG GROUP—24 Volt—3 Required
AN ATTACHMENT



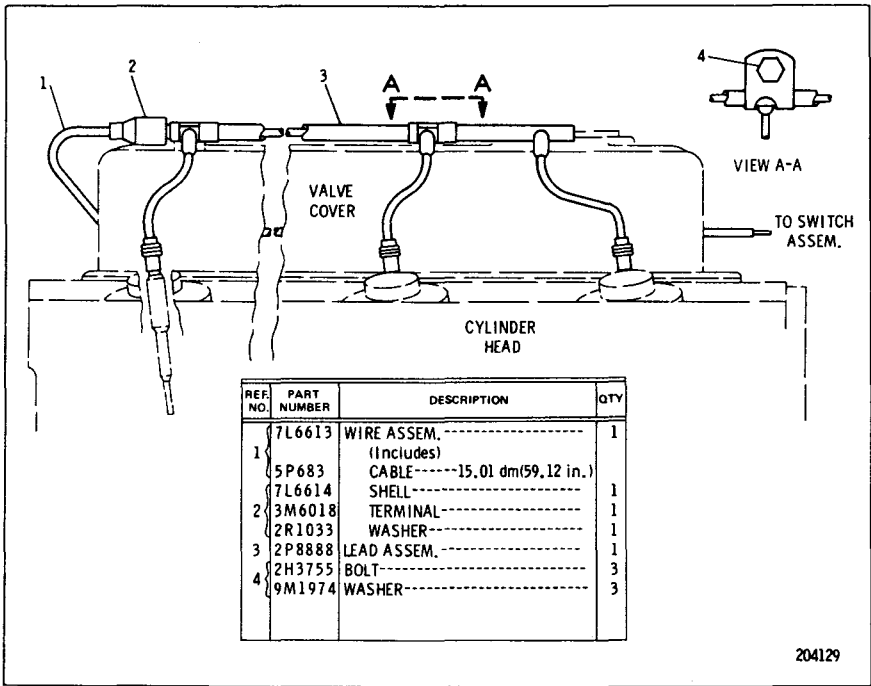
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4841	PLUG-----	2

203011

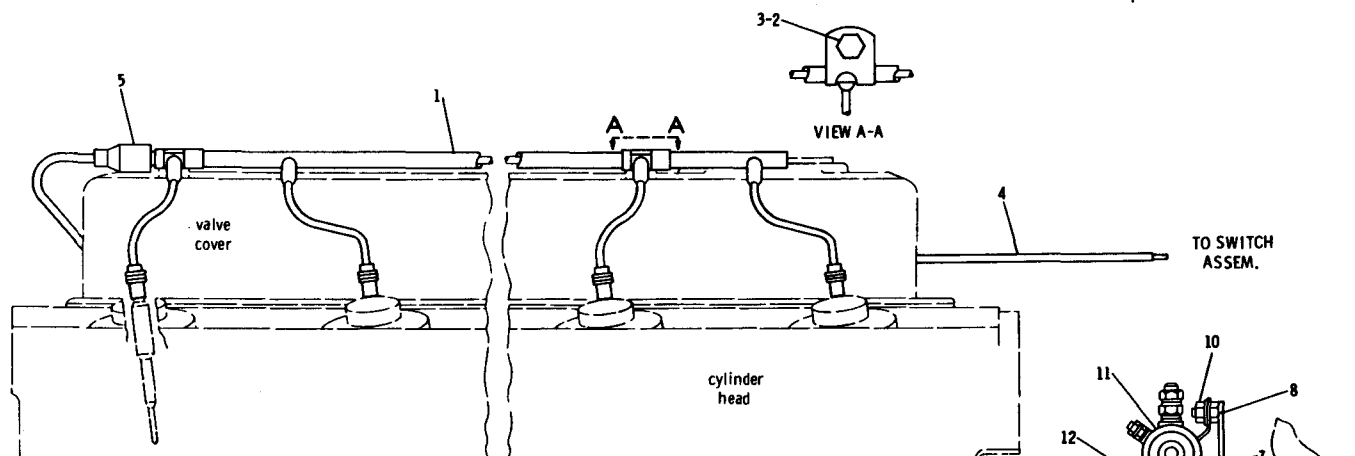
6N1059 GLOW PLUG GROUP—32 Volt—3 Required
AN ATTACHMENT



GLOW PLUG AND WIRING (5S8501 N/S)—24 Volt



6N982 GLOW PLUG MOUNTING GROUP AN ATTACHMENT

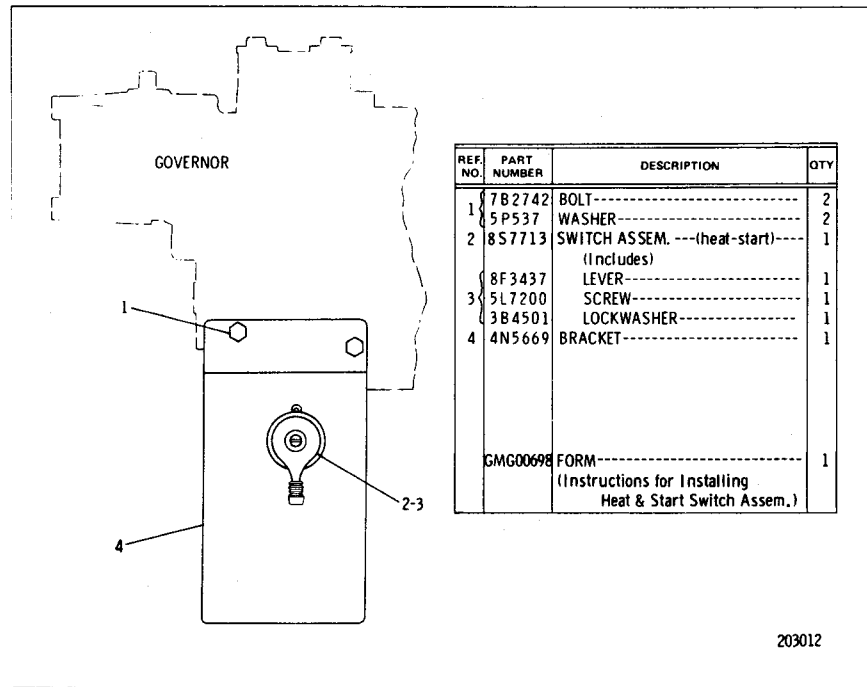


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	2P8888	LEAD ASSEM.-----	1
2	2H3755	BOLT-----	3
3	9M1974	WASHER-----	3
4	7L6613	WIRE ASSEM.-----	1
		(Includes)	
5	5P683	CABLE-----15.01 dm(59.12 in.)	1
6	7L6614	SHELL-----	1
7	3M6018	TERMINAL-----	1
8	2R1033	WASHER-----	1
9	5S09	BOLT-----	2
10	5M2894	WASHER-----	2
		(Use Without No. 2 Flywheel Housing)	

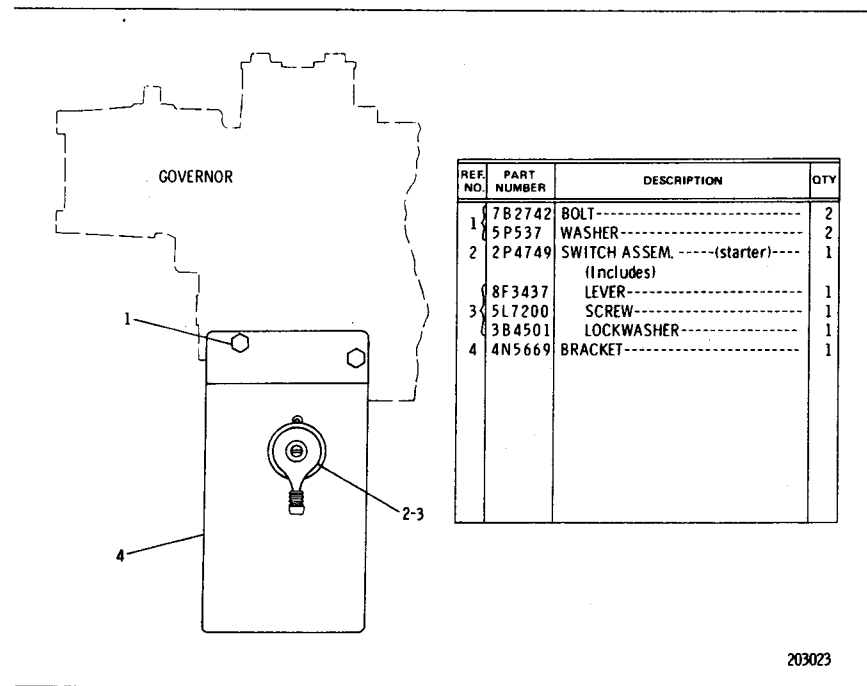
7	4N5214	BRACKET ASSEM.-----	1
		(Includes)	
8	S1613	BOLT-----	4
9	2H3855	BOLT-----	2
	2M849	WASHER-----	2
		(Use Without No. 1 Flywheel Housing)	
10	1B4330	NUT-----	4
	4B4276	WASHER-----	4
11	9F3099	SWITCH-----	2
		(Each Includes)	
12	4B2043	NUT-----	2
	3B4501	LOCKWASHER-----	2
	4F2294	NUT-----	2
13	3L6789	LOCKWASHER-----	2
	8F908	WASHER-----	2

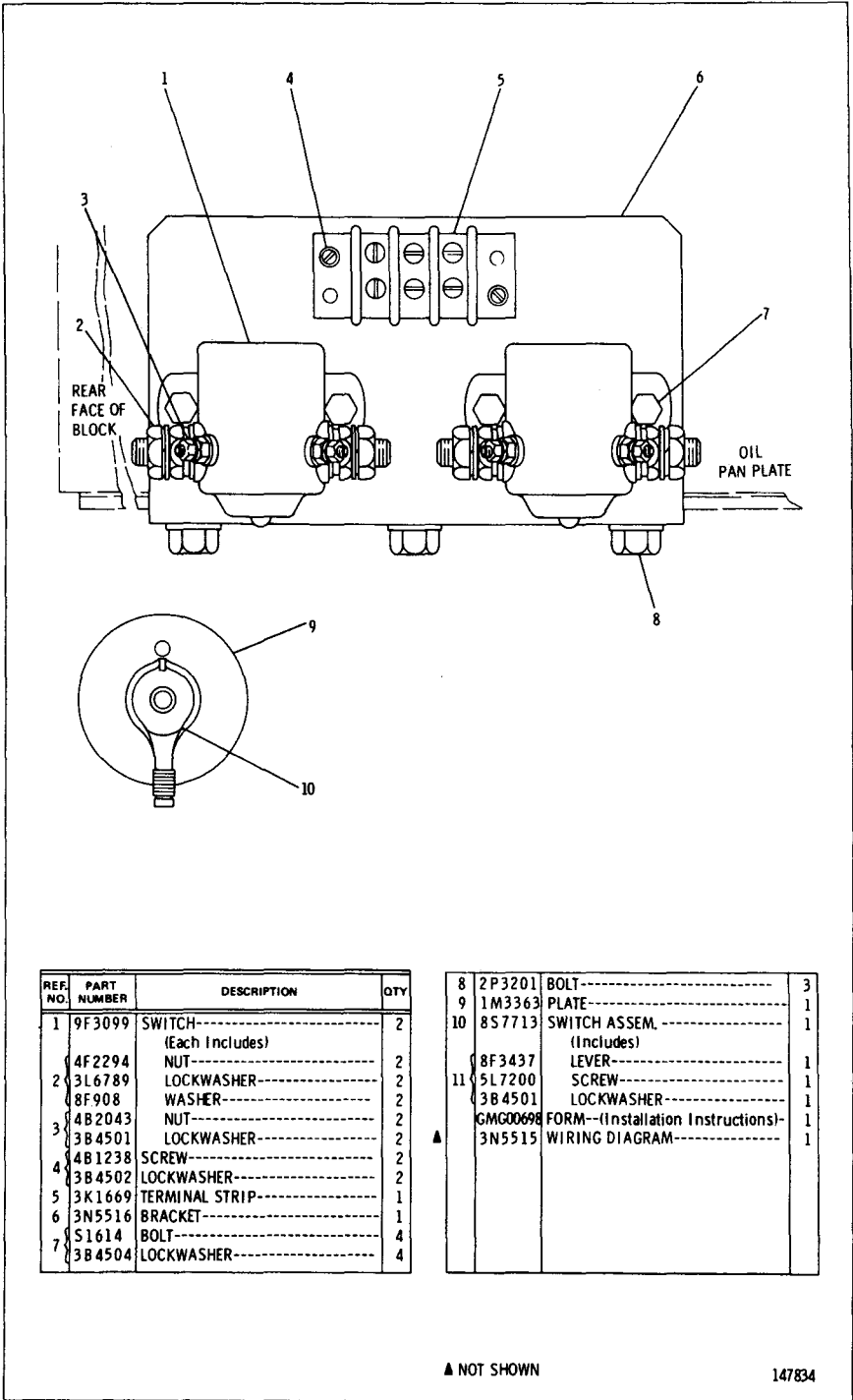
▲ ORDER BY THE DECIMETRE

204128



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





147834

3N7785 REMOTE STARTING SWITCH GROUP
AN ATTACHMENT

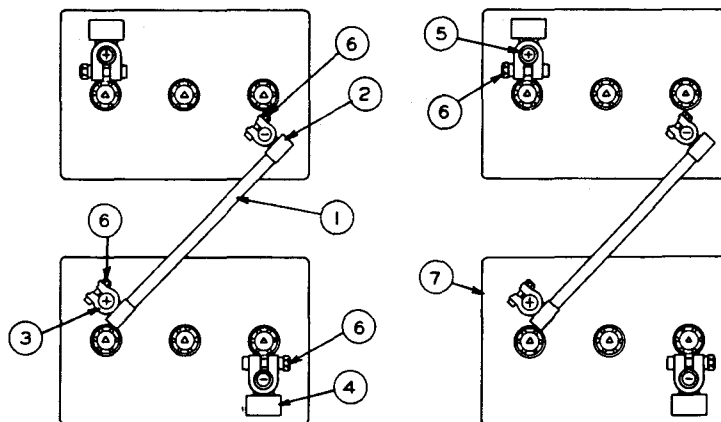
CONSISTS OF:		PAGE
3N7119	EQUIPMENT GROUP.....	175
2L3333	HYDRAULIC GAUGE	
2L8342	HYDRAULIC HAND PUMP	
2L8343	ACCUMULATOR	
3L4968	RESERVOIR ASSEMBLY	
3L5052	RESERVOIR MOUNTING STRAP	
6L2666	HYDRAULIC STARTING CONTROL VALVE	
6L8719	RECHARGING PUMP ASSEMBLY	
8L7695	HYDRAULIC CRANKING MOTOR	
2N3341	FILTER	
3N6903	PULLEY	
3N6923	PUMP MOUNTING BRACKET	
3L4238	ACCUMULATOR BRACKET ASSEMBLY	
EACH CONSISTING OF:		
2	4B4277 WASHER	
2	5B5620 BOLT	
2	2L5683 CLAMP--ACCUMULATOR	
1	2L5684 SUPPORT--ACCUMULATOR CLAMP	
2	4M5280 NUT	

HYDRAULIC STARTING SYSTEM
AN ATTACHMENT

CONSISTS OF:

4	2B2695	BOLT--PUMP TO BRACKET
4	3B4505	LOCKWASHER--5/16"
3	3B4510	LOCKWASHER--5/8"
2	3B7284	NIPPLE
2	5B8978	TEE
1	7B9684	VALVE
1	8B2664	BUSHING
4	2D58	UNION
2	2D8910	UNION
1	3D8884	ELBOW
1	7D702	ADAPTER
1	2H3940	UNION
3	2H9091	UNION
16	4H2243	COUPLING
2	4L7412	ADAPTER
2	5L5502	FITTING
2	3N6922	COUPLING
305 CM.	5P1400	HOSE
480 IN.	9S671	HOSE
3	S1589	BOLT--MOTOR TO FLYWHEEL HOUSING
1	70950	ADAPTER
1	323506	ADAPTER

3N7119 EQUIPMENT GROUP
Part of Hydraulic Starting System

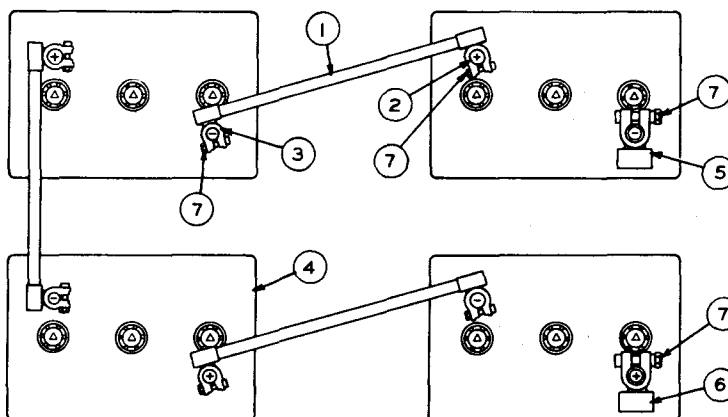


REF NO	PART NUMBER	DESCRIPTION	QTY
1	1L5686	CABLE ASSEM. -----	2
2	5M9205	TERMINAL ASSEM. ----(-)-----	2
3	5M9204	TERMINAL ASSEM. ----(+)-----	2
		(1 each in 1L5686 Cable Assem.)	
4	5M9205	TERMINAL ASSEM. ----(-)-----	2

5	5M9204	TERMINAL ASSEM. ----(+)-----	2
6	1M6119	BOLT-----	8
	1M6120	NUT-----	8
		(1 each in 5M9205 & 5M9204 Terminal Assem.)	
7	5S7219	BATTERY-----	4

146164

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

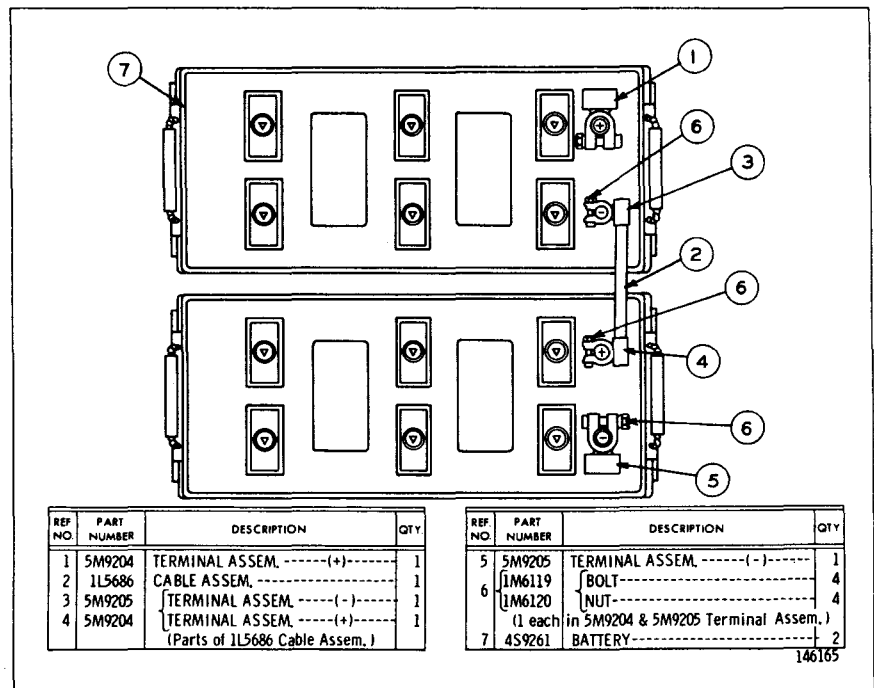


REF NO	PART NUMBER	DESCRIPTION	QTY
1	1L5686	CABLE ASSEM. -----	3
2	5M9204	TERMINAL ASSEM. ----(+)-----	3
3	5M9205	TERMINAL ASSEM. ----(-)-----	3
		(1 each in 1L5686 Cable Assem.)	
4	5S7219	BATTERY-----	4

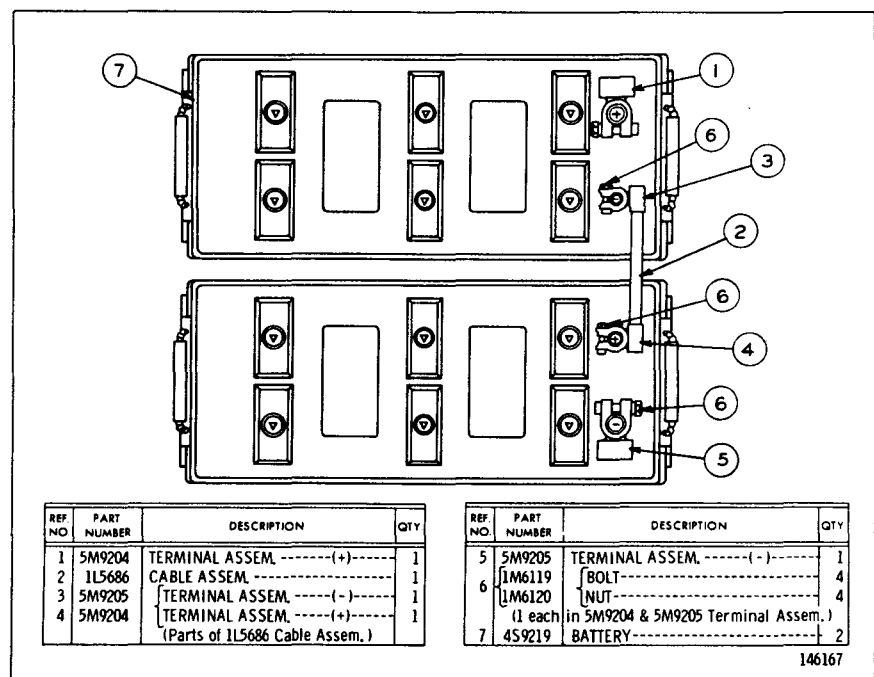
5	5M9205	TERMINAL ASSEM. ----(-)-----	1
6	5M9204	TERMINAL ASSEM. ----(+)-----	1
7	1M6119	BOLT-----	8
	1M6120	NUT-----	8
		(1 each in 5M9204 & 5M9205 Terminal Assem.)	

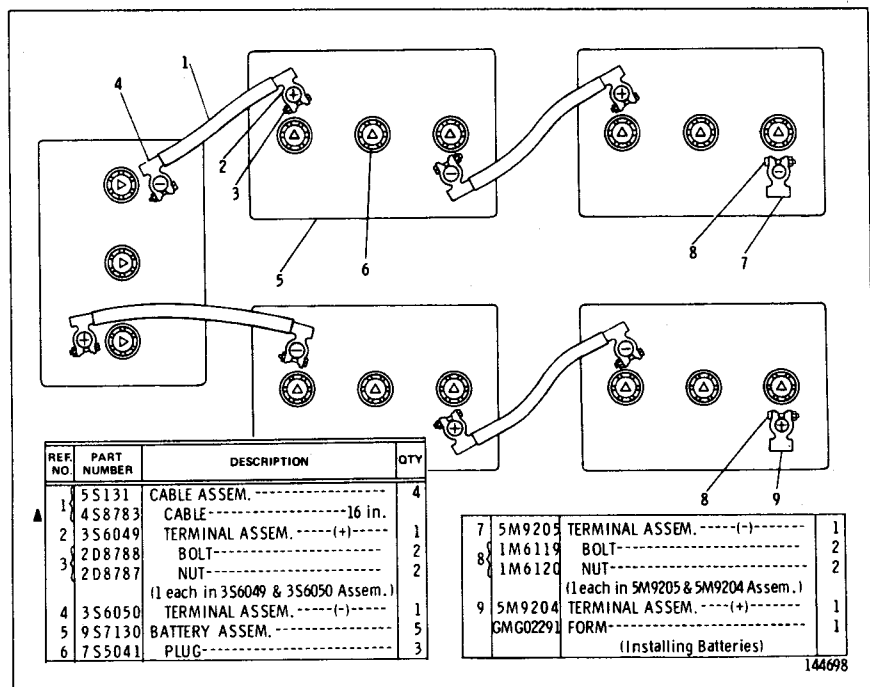
146166

7L7870 BATTERY GROUP—24 Volt, 120 Ampere Hours
FOR USE ABOVE 30 DEGREES FAHRENHEIT TEMPERATURE

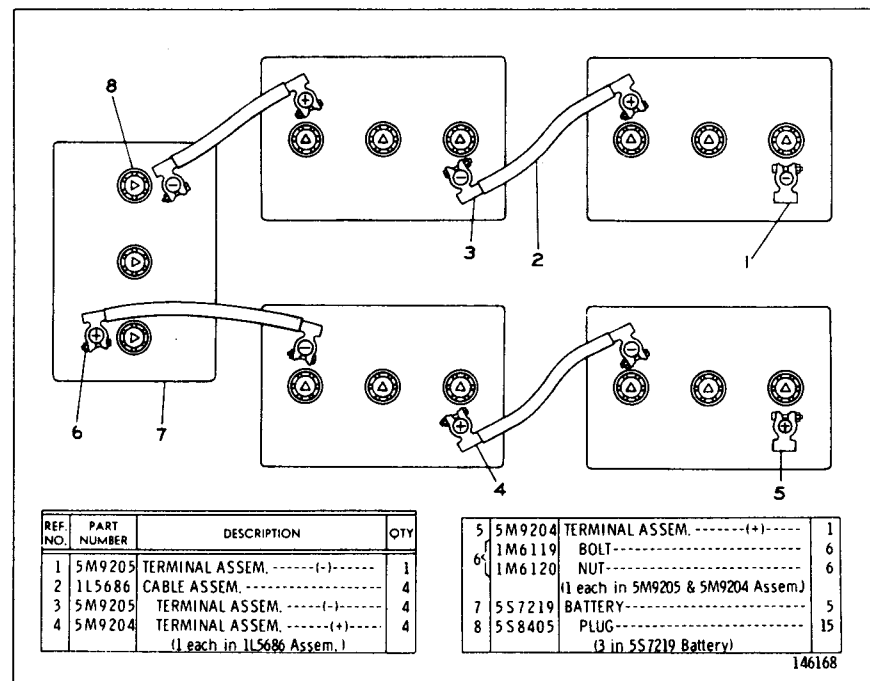


7L7871 BATTERY GROUP—24 Volt, 172 Ampere Hours
FOR USE BETWEEN 0 DEGREES AND 30 DEGREES FAHRENHEIT
TEMPERATURES. Only separate parts serviced. AN ATTACHMENT

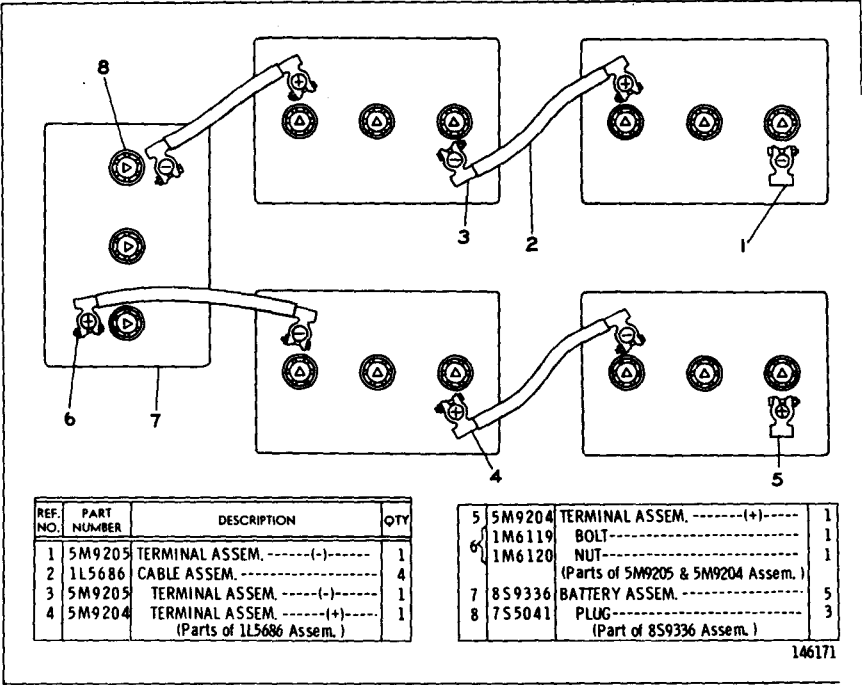




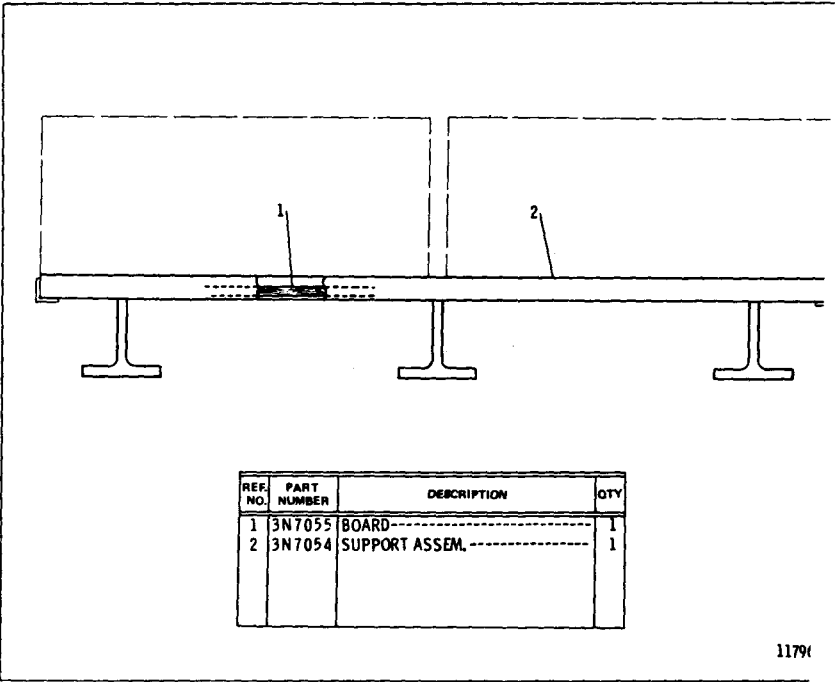
1H1342 BATTERY GROUP—30 Volt, 200 Ampere Hours
FOR USE WITH MARINE AUXILIARY ENGINE WITH TEMPERATURES
BETWEEN -20 DEGREES AND 0 DEGREES FAHRENHEIT. AN ATTACHMENT

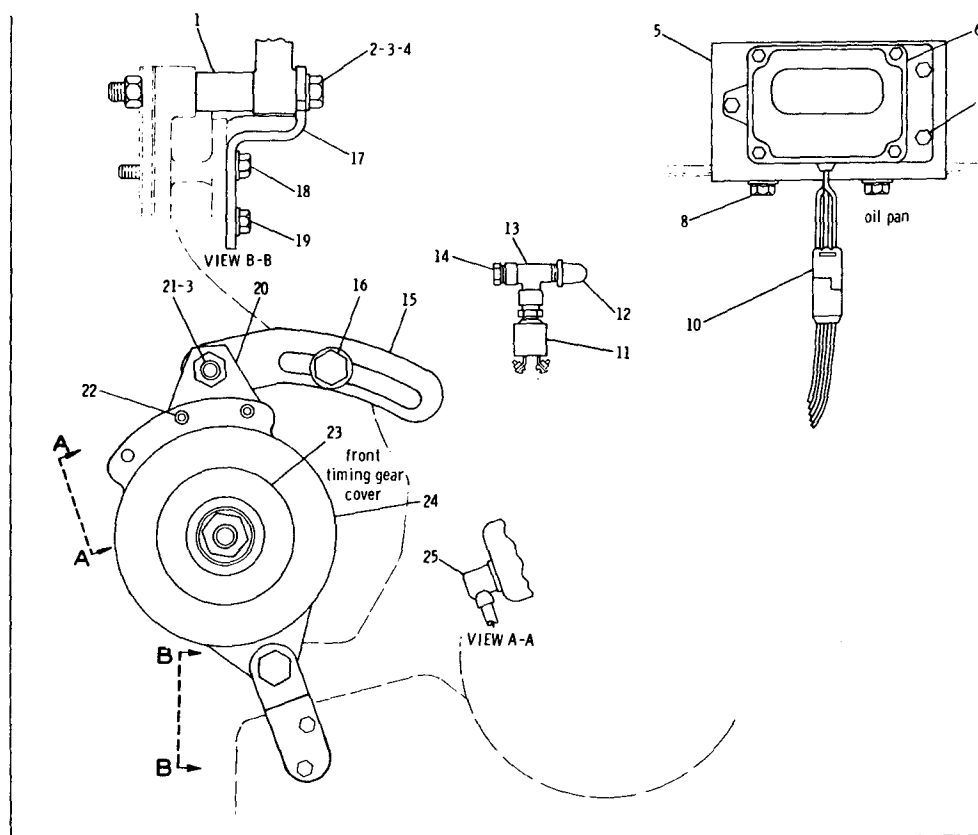


7L7873 BATTERY GROUP—30 Volt, 120 Ampere Hours
FOR USE WITH MARINE AUXILIARY ENGINE WITH TEMPERATURES



2N1943 BATTERY GROUP—30 Volt, 172 Ampere Hours
FOR USE WITH MARINE AUXILIARY ENGINES WITH TEMPERATURES
BETWEEN 0 DEGREES AND 30 DEGREES FAHRENHEIT. AN ATTACHMENT





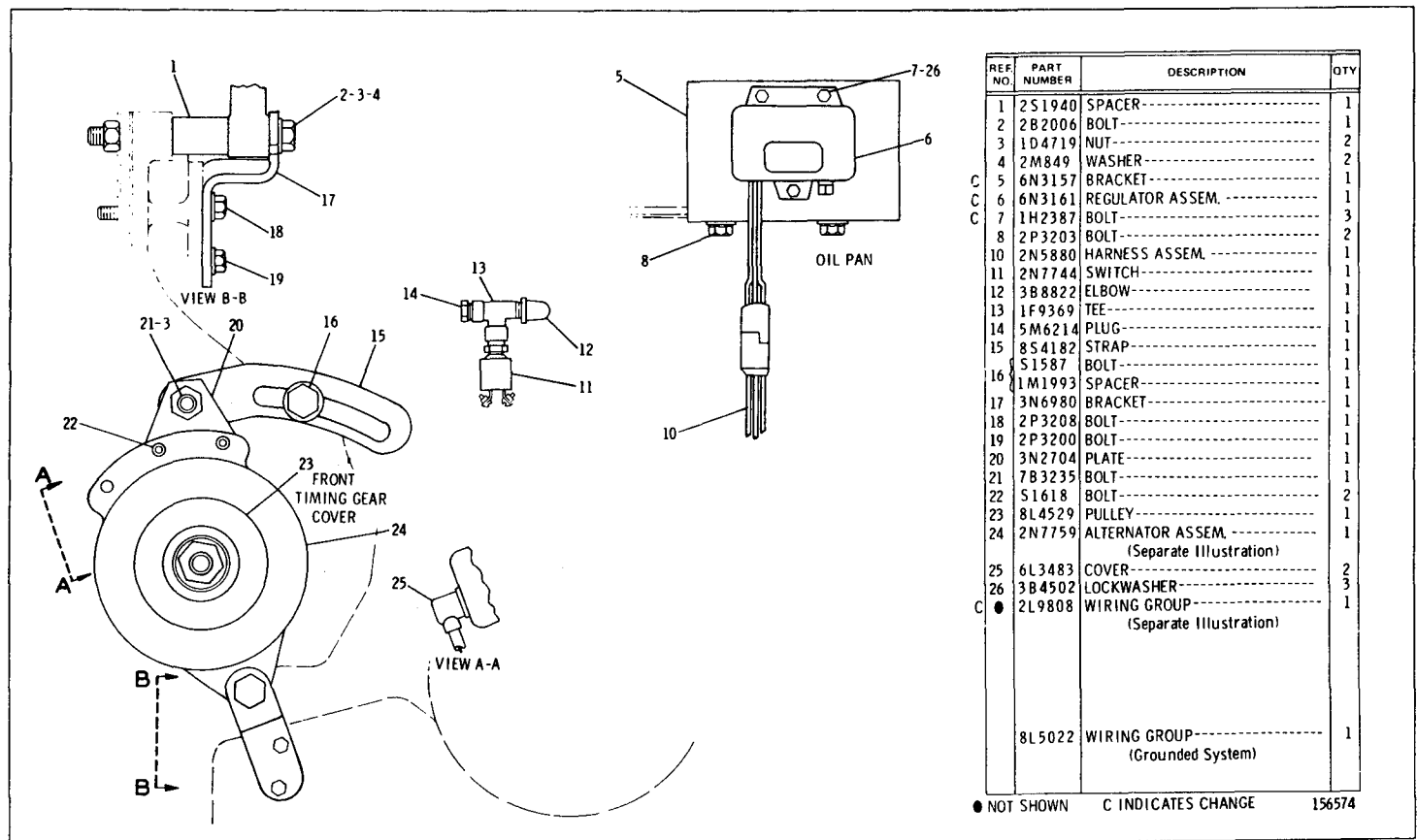
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2S1940	SPACER-----	1
2	2B2006	BOLT-----	1
3	1D4719	NUT-----	2
4	2M849	WASHER-----	2
5	8L5451	BRACKET-----	1
6	2N7278	REGULATOR ASSEM.-----	1
7	6F7027	BOLT-----	3
8	2P3203	BOLT-----	2
10	2N5880	HARNESSE ASSEM.-----	1
11	2N7744	SWITCH-----	1
12	3B8822	ELBOW-----	1
13	1F9369	TEE-----	1
14	5M6214	PLUG-----	1
15	8S4182	STRAP-----	1
16	5S1587	BOLT-----	1
17	1M1993	SPACER-----	1
18	3N6980	BRACKET-----	1
19	2P3208	BOLT-----	1
20	2P3200	BOLT-----	1
21	3N2704	PLATE-----	1
22	7B3235	BOLT-----	1
23	5S1618	BOLT-----	2
24	8L4529	PULLEY-----	1
25	2N7759	ALTERNATOR ASSEM.----- (Separate Illustration)	1
	6L3483	COVER-----	2
	8L5022	WIRING DIAGRAM----- (Grounded System)	1
	Not Serv	WIRING GROUP----- (Separate Illustration)	

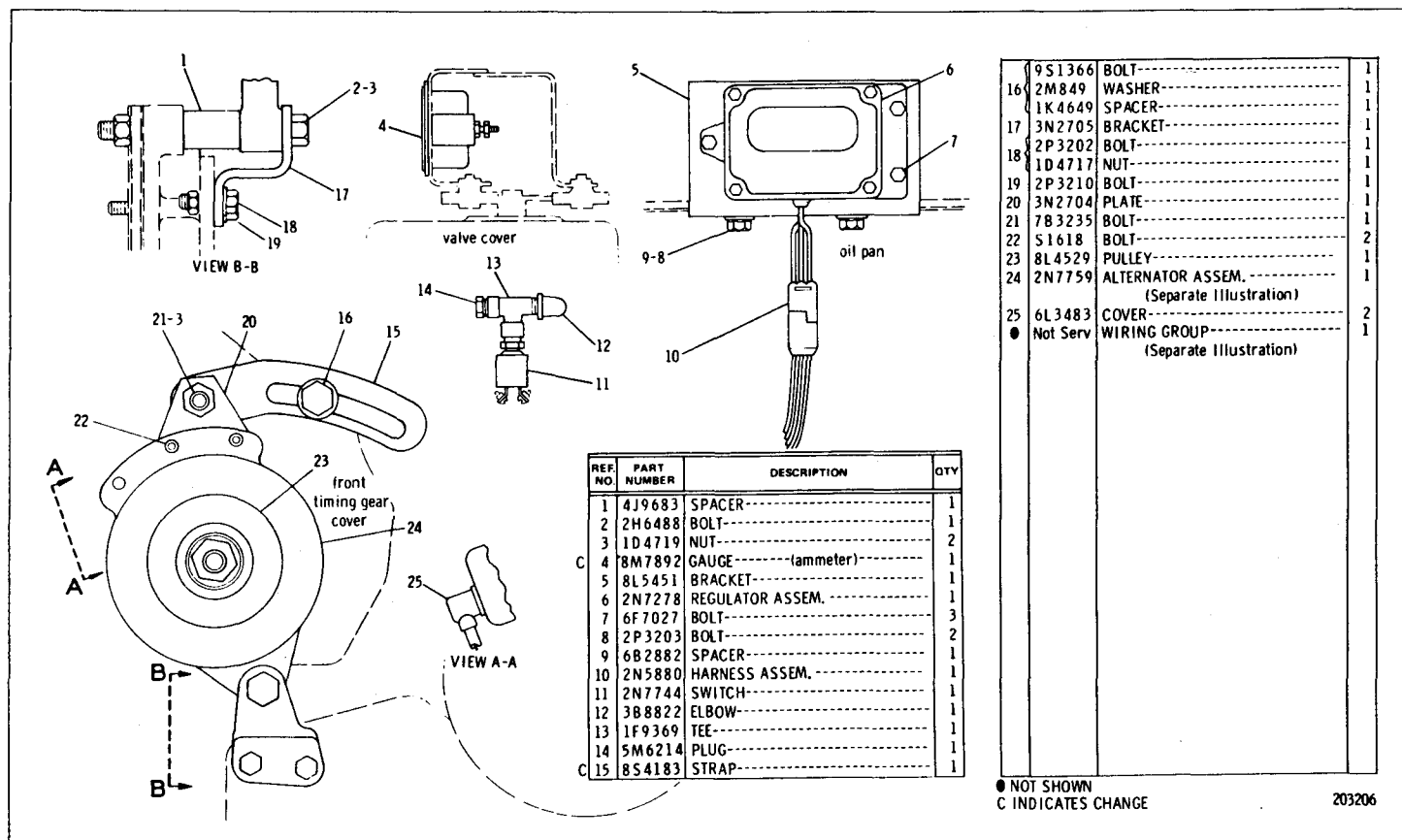
● NOT SHOWN

147746

4N8778 ALTERNATOR GROUP—12 Volt, 75 Ampere—Type 1
FOR USE WITH TRUNNION SUPPORT. 2N7759 Alternator and Wiring Group parts are shown on Pages 196 and 199.
AN ATTACHMENT

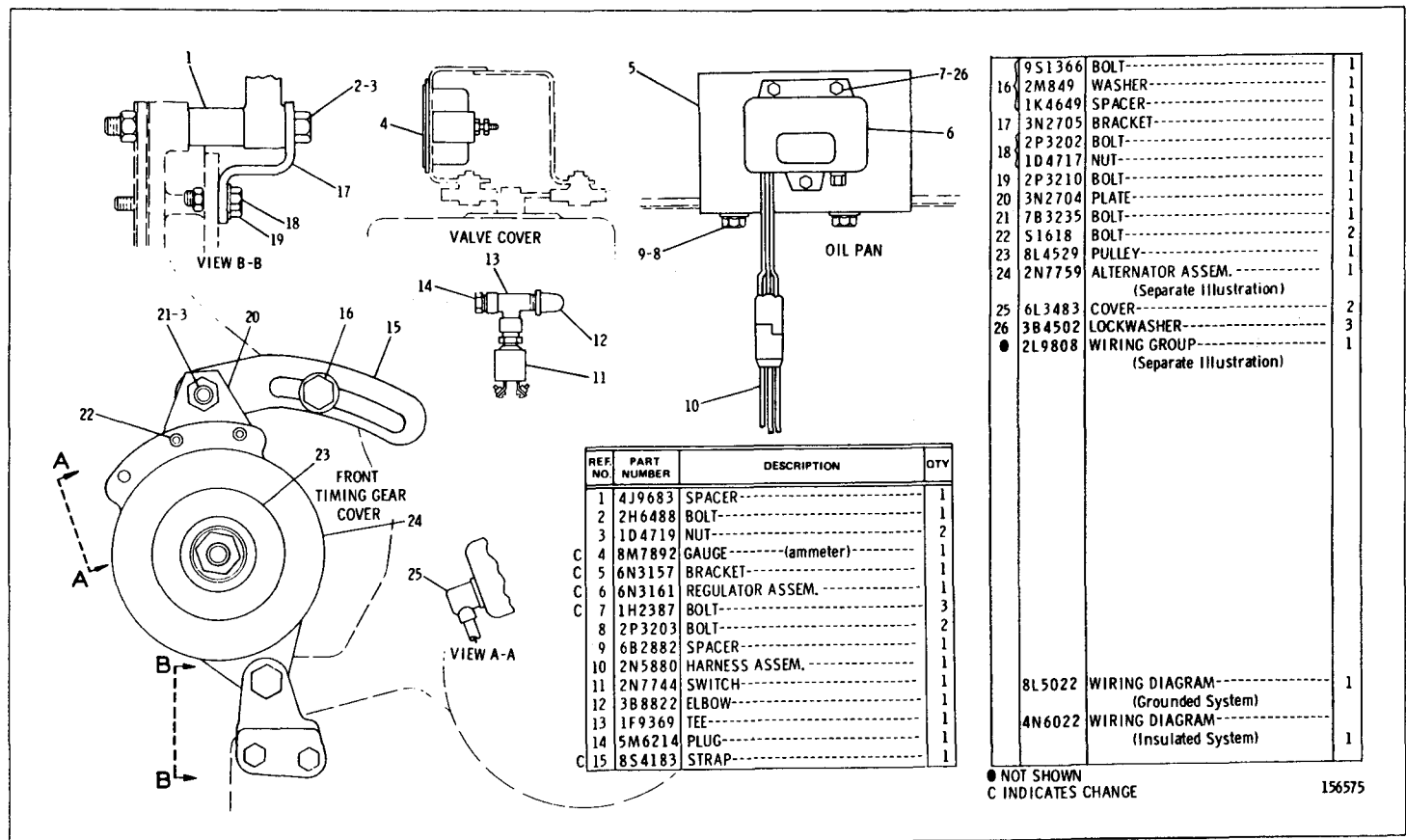
4N8778 ALTERNATOR GROUP—12 Volt, 75 Ampere—Type 2
 FOR USE WITH TRUNNION SUPPORT. 2N7759 Alternator and Wiring Group parts are shown on Pages 196 and 199
 AN ATTACHMENT

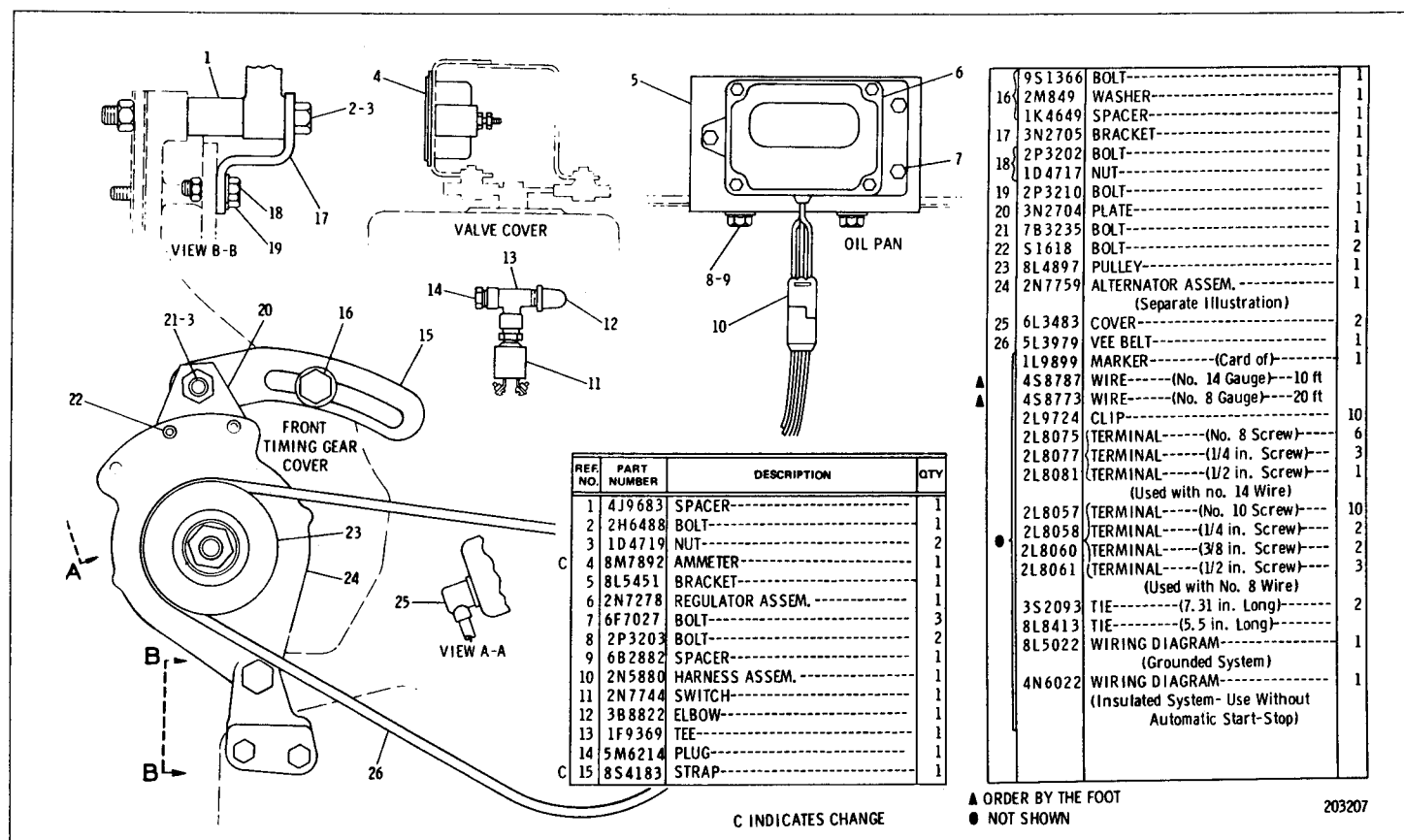




3N2708 ALTERNATOR GROUP—12 Volt, 55 Ampere—Type 1
FOR USE WITH FAN DRIVE. 2N7759 Alternator and Wiring Group parts are shown on Pages 196 and 199
AN ATTACHMENT

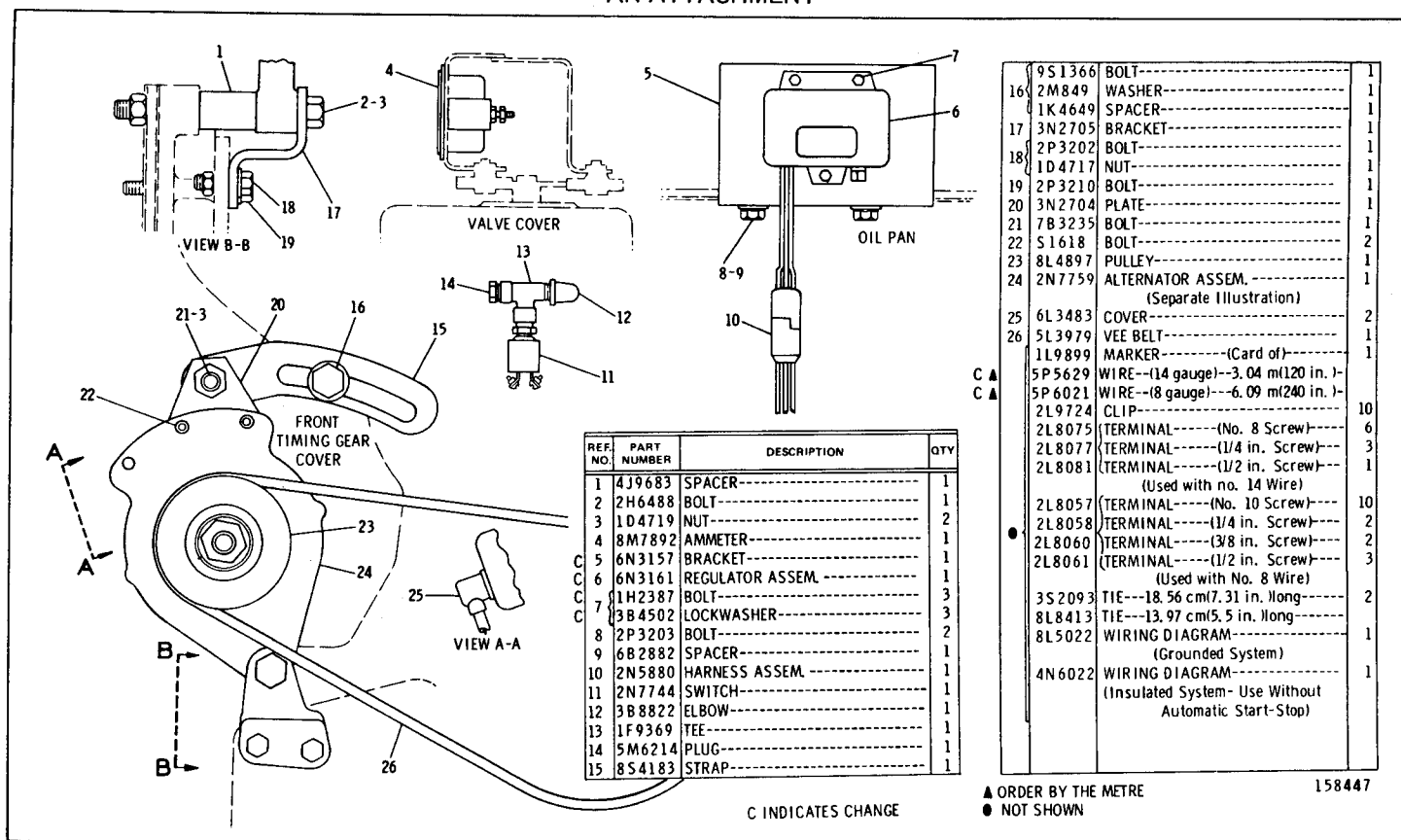
3N2708 ALTERNATOR GROUP—12 Volt, 55 Ampere—Type 2
FOR USE WITH FAN DRIVE
2N7759 Alternator and Wiring Group parts are shown on Pages 196 and 199. AN ATTACHMENT



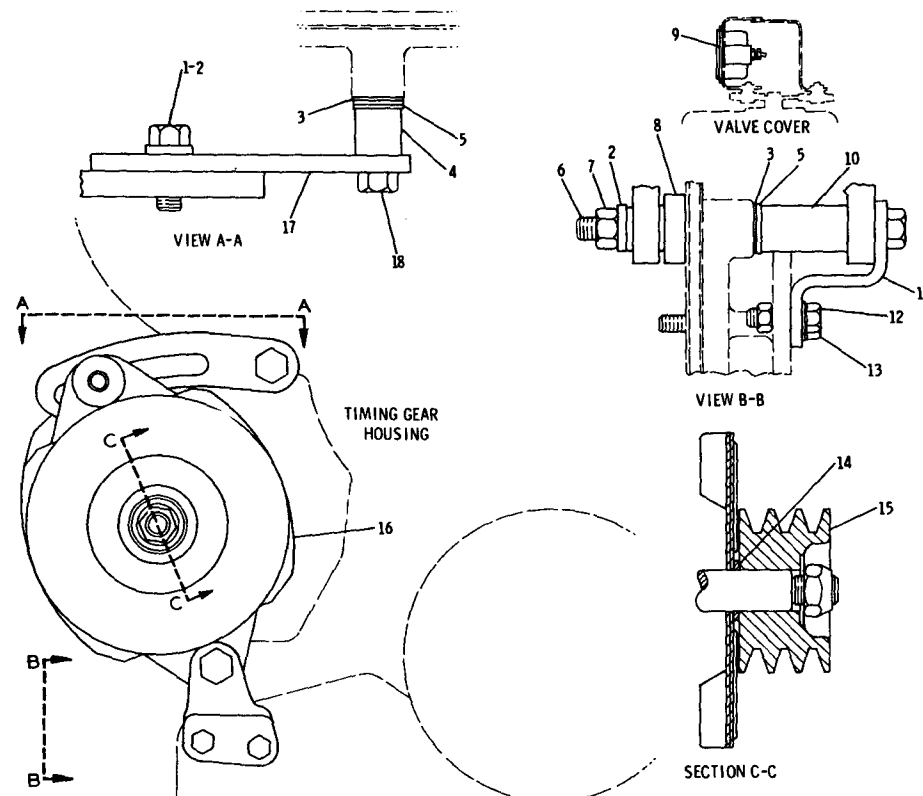


3N2709 ALTERNATOR GROUP—12 Volt, 55 Ampere
CANNOT BE USED WITH FAN DRIVE
2N7759 Alternator parts are shown on Page 196. AN ATTACHMENT

3N2709 ALTERNATOR GROUP—12 Volt, 55 Ampere—Type 2
CANNOT BE USED WITH FAN DRIVE
2N7759 Alternator parts are shown on Page 196
AN ATTACHMENT



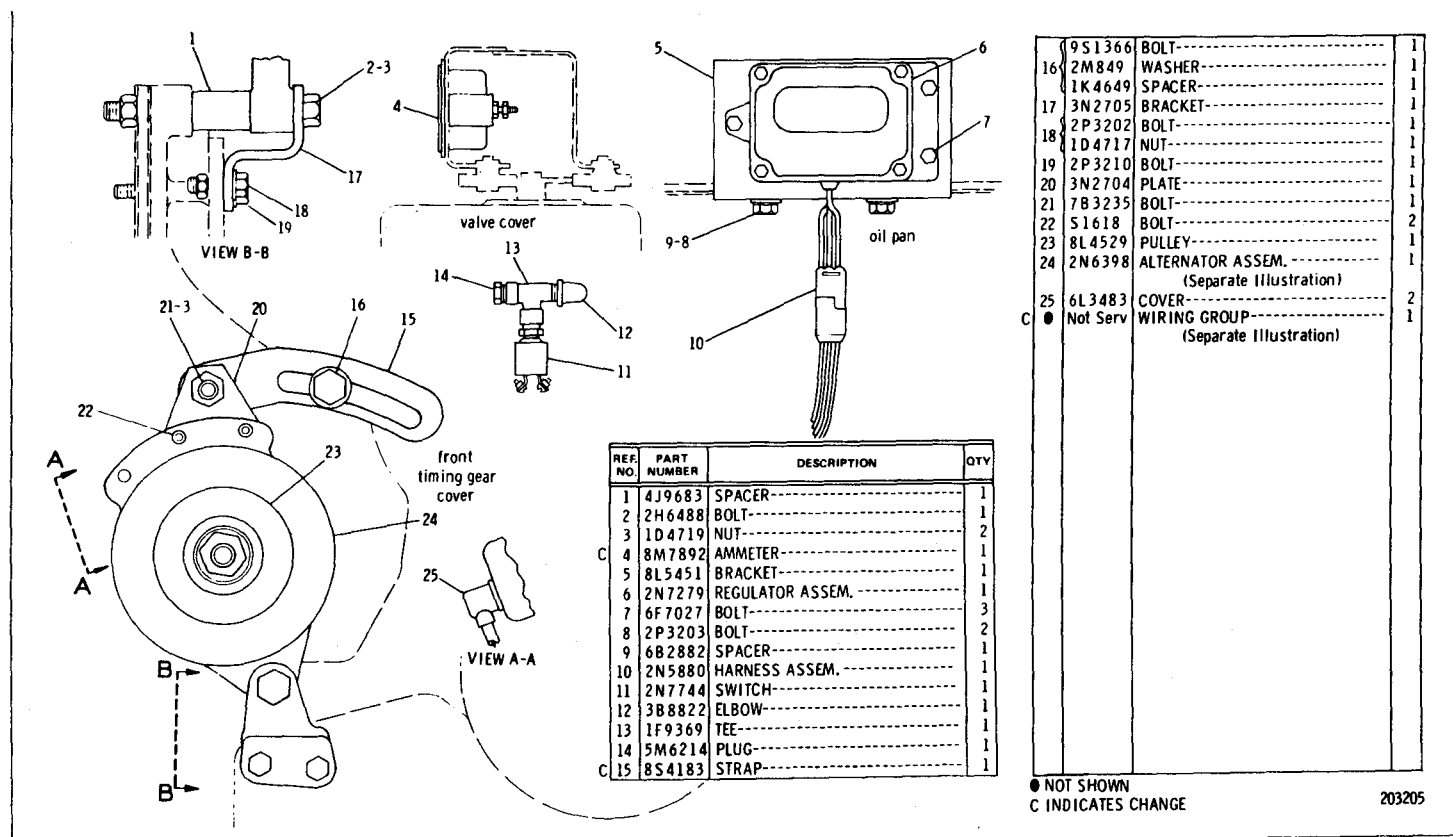
3N2758 ALTERNATOR GROUP—24 Volt, 50 Ampere
FOR USE WITH FAN DRIVE. 5S9088 Alternator and 1N8509 Wiring Kit parts
are shown on Pages 190, 191 and 199. AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7B3235	BOLT-----	1
2	2M849	WASHER-----	2
3	3H449	WASHER-----	2
4	1K4649	SPACER-----	1
5	4B4280	WASHER-----	3
6	2A1531	BOLT-----	1
7	1D4719	NUT-----	1
8	1L1526	SPACER-----	1
9	8M7892	AMMETER-----	1
10	2F7689	SPACER-----	1
11	3N2705	BRACKET-----	1
12	2P3202	BOLT-----	1
13	1D4717	NUT-----	1
14	2P3210	BOLT-----	1
15	6H199	WASHER-----	1
16	8L8867	PULLEY-----	1
17	5S9088	ALTERNATOR GROUP----- (Separate Illustration)	1
18	8S4182	STRAP-----	1
19	9S1366	BOLT-----	1
20	1N8509	WIRING GROUP----- (Separate Illustration)	1
21	1N8522	WIRING DIAGRAM-----	1

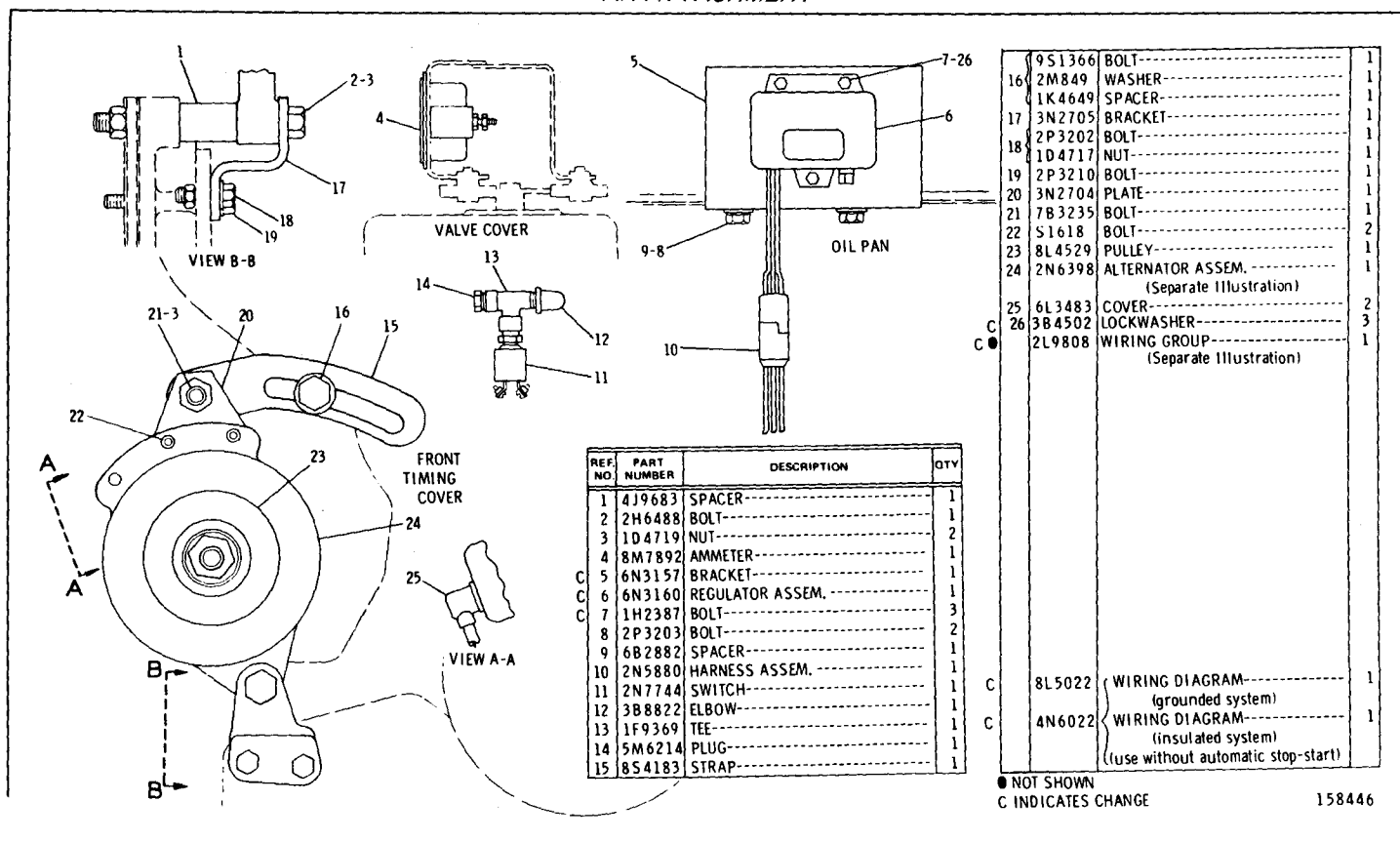
▲ NOT SHOWN

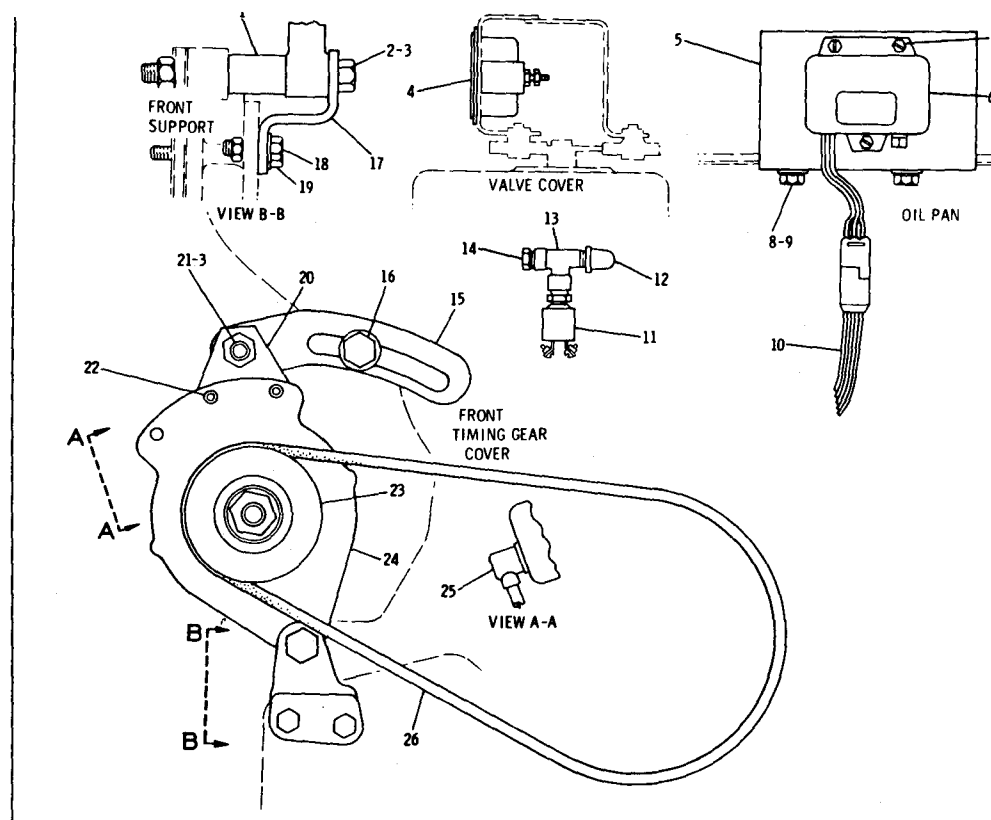
146094



3N2706 ALTERNATOR GROUP—24 Volt, 35 Ampere
FOR USE WITH FAN DRIVE
2N6398 Alternator and Wiring Kit parts are shown on Pages 197 and 199. AN ATTACHMENT

3N2706 ALTERNATOR GROUP—24 Volt, 35 Ampere—Type 2
 FOR USE WITH FAN DRIVE
 2N6398 Alternator and 2L9808 Wiring Kit parts are shown on Pages 197 and 199
 AN ATTACHMENT





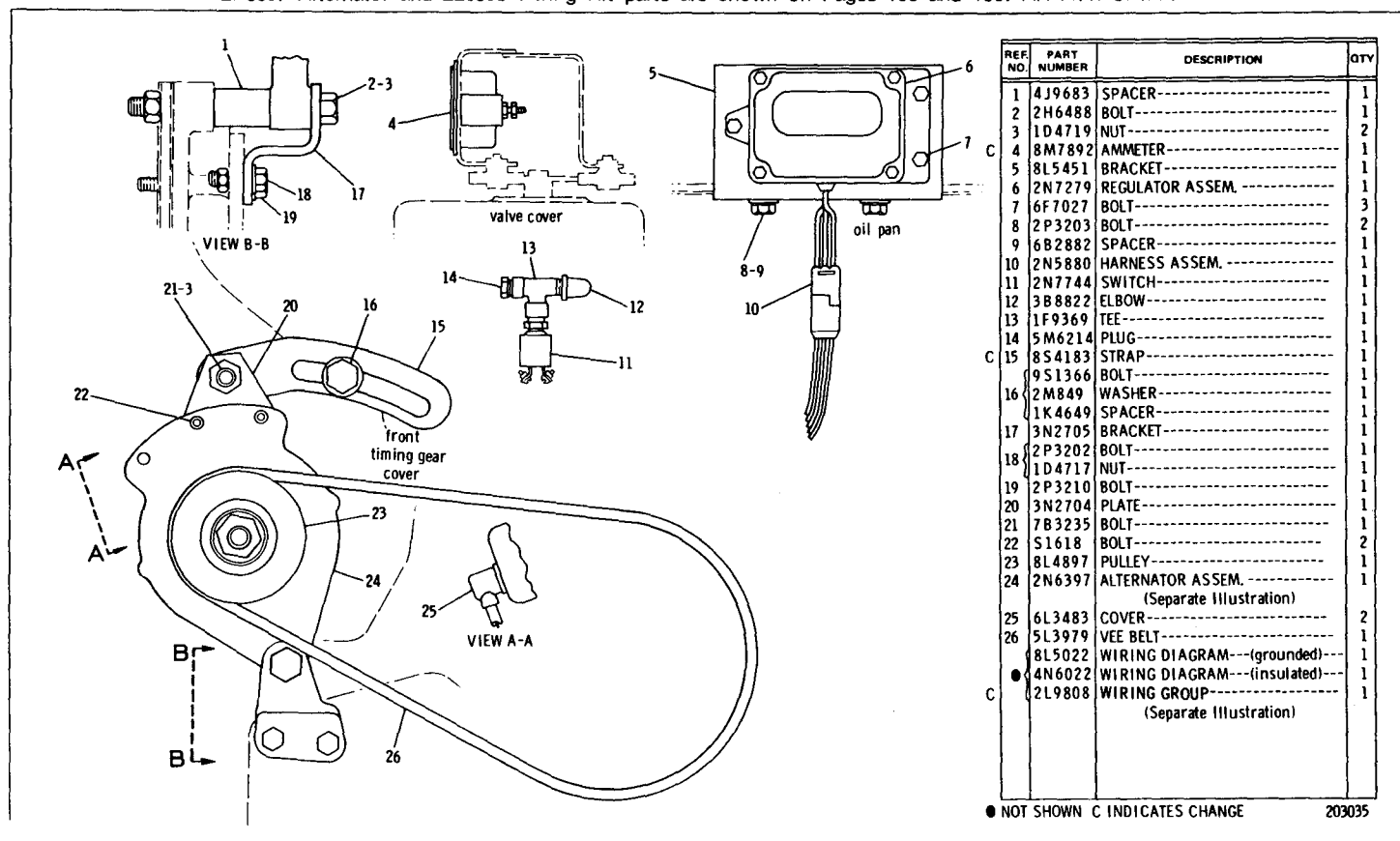
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4J9683	SPACER-----	
2	2H6488	BOLT-----	
3	1D4719	NUT-----	
4	8M7892	AMMETER-----	
5	6N3157	BRACKET-----	
6	6N3160	REGULATOR ASSEM.-----	
7	1H2387	BOLT-----	
8	2P3203	BOLT-----	
9	6B2882	SPACER-----	
10	2N5880	HARNESSE ASSEM.-----	
11	2N7744	SWITCH-----	
12	3B8822	ELBOW-----	
13	1F9369	TEE-----	
14	5M6214	PLUG-----	
15	8S4183	STRAP-----	
16	9S1366	BOLT-----	
17	2M849	WASHER-----	
18	1K4649	SPACER-----	
19	3N2705	BRACKET-----	
20	2P3202	BOLT-----	
21	1D4717	NUT-----	
22	2P3210	BOLT-----	
23	3N2704	PLATE-----	
24	7B3235	BOLT-----	
25	51618	BOLT-----	
26	8L4897	PULLEY-----	
27	2N6397	ALTERNATOR ASSEM.-----	
		(Separate Illustration)	
28	6L3483	COVER-----	
29	5L3979	VEE BELT-----	
30	3B4502	LOCKWASHER-----	
31	8L5022	WIRING DIAGRAM---(grounded)---	
32	4N6022	WIRING DIAGRAM---(insulated)---	
33	2L9808	WIRING GROUP-----	
		(Separate Illustration)	

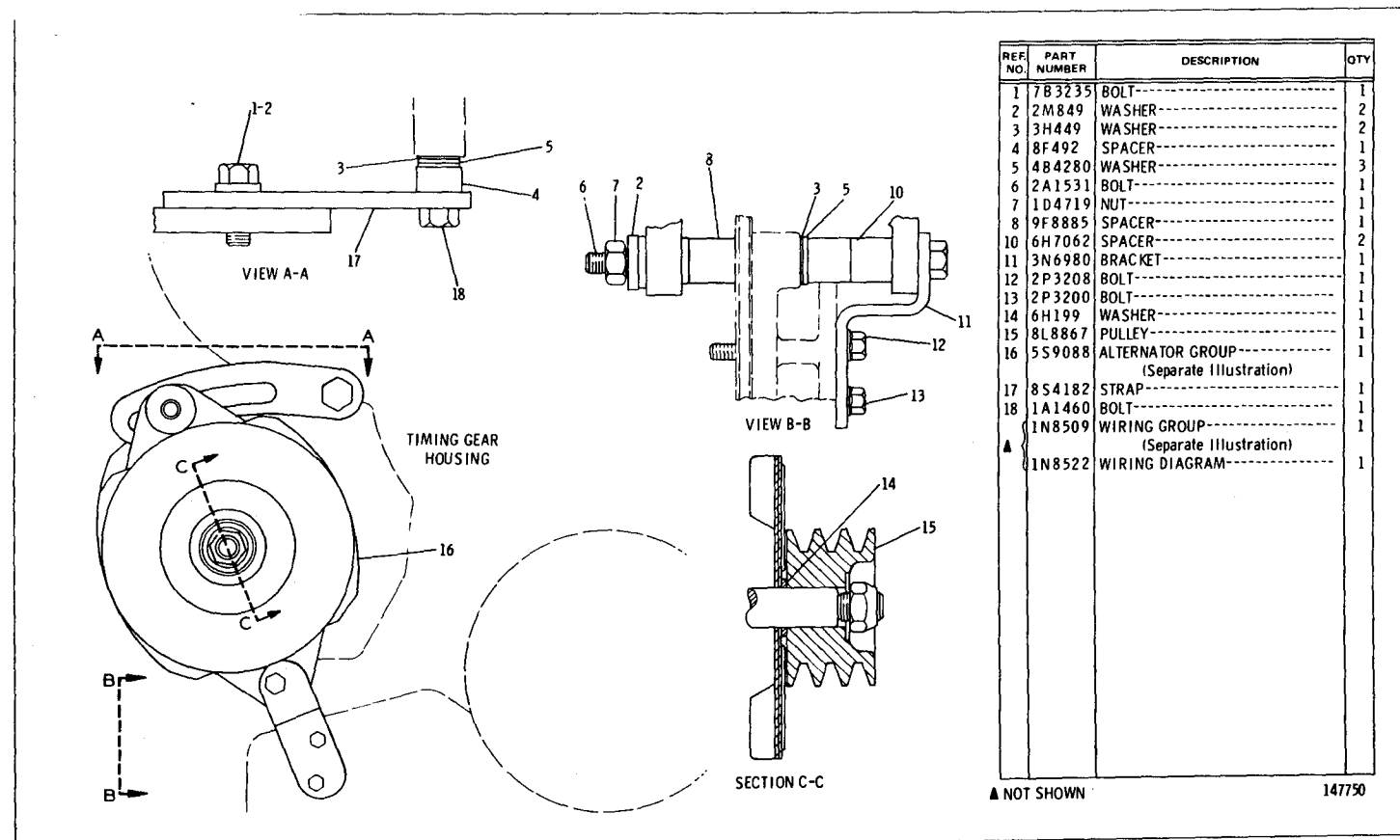
● NOT SHOWN C INDICATES CHANGE

157029

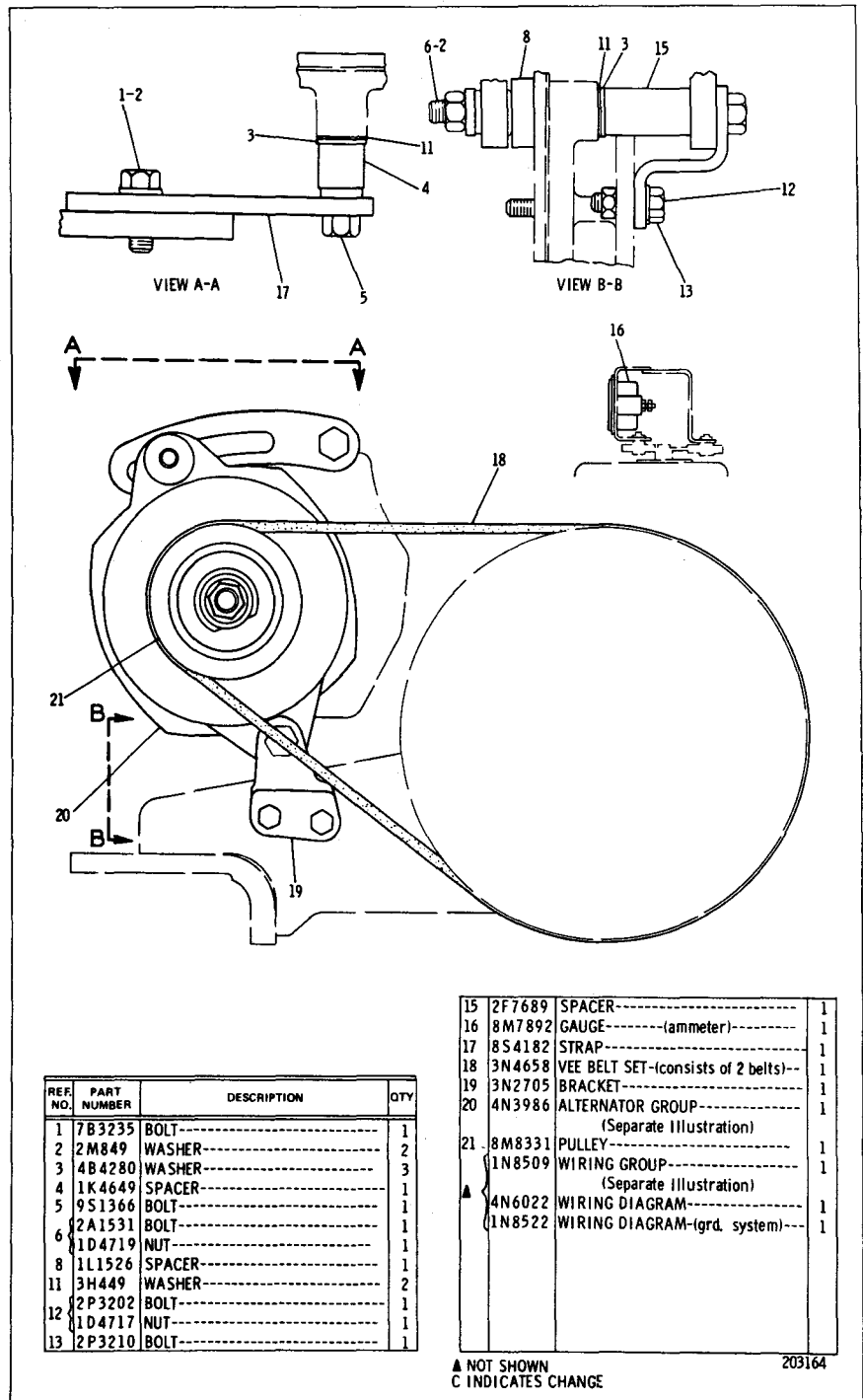
3N2707 ALTERNATOR GROUP—24 Volt, 35 Ampere—Type 2
2N6397 Alternator and 2L9808 Wiring Kit parts are shown on Pages 198 and 199
CANNOT BE USED WITH FAN DRIVE OR FRONT POWER TAKE-OFF
AN ATTACHMENT

3N2707 ALTERNATOR GROUP—24 Volt, 35 Ampere
 CANNOT BE USED WITH FAN DRIVE OR FRONT POWER TAKE-OFF
 2N6397 Alternator and 2L9808 Wiring Kit parts are shown on Pages 198 and 199. AN ATTACHMENT

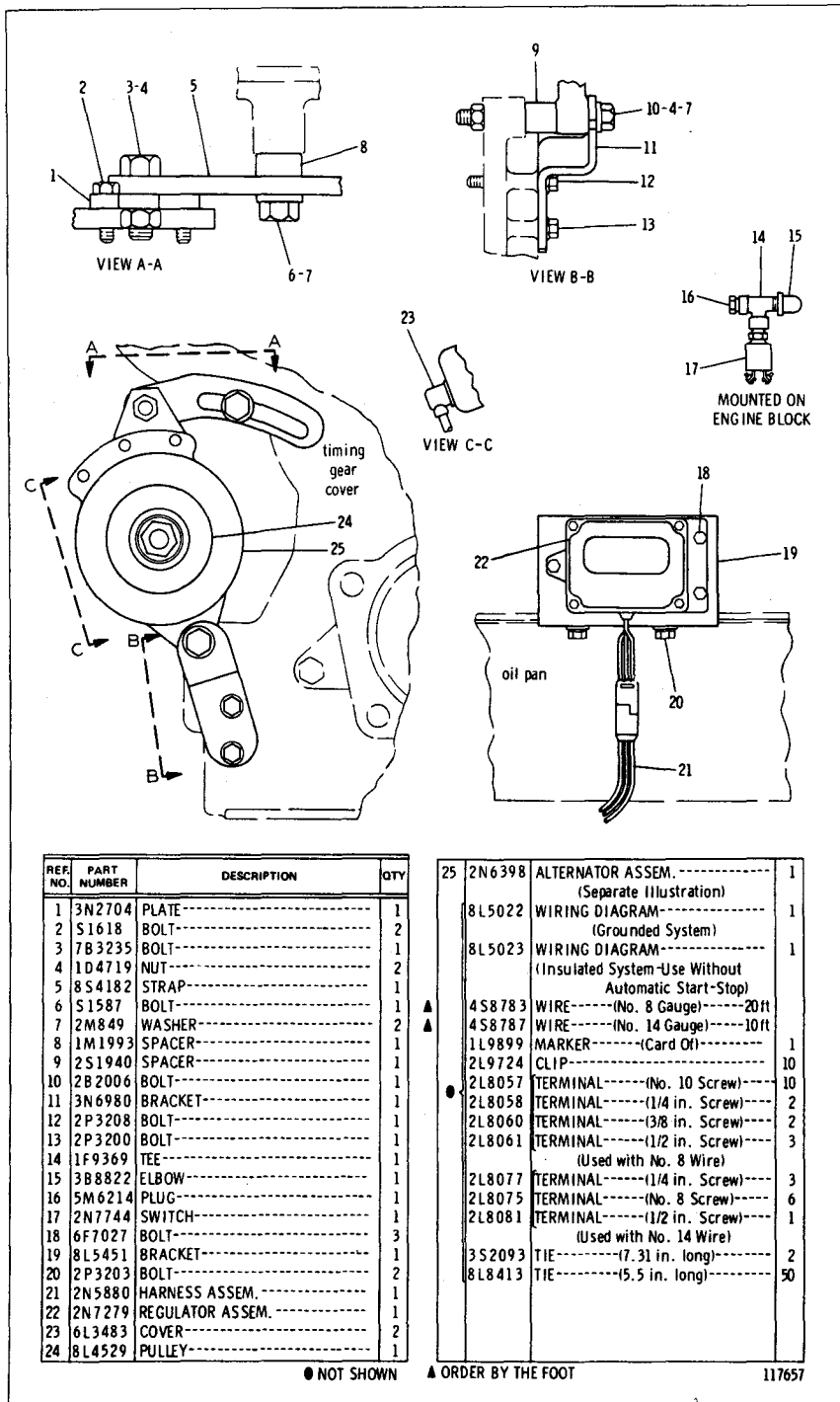




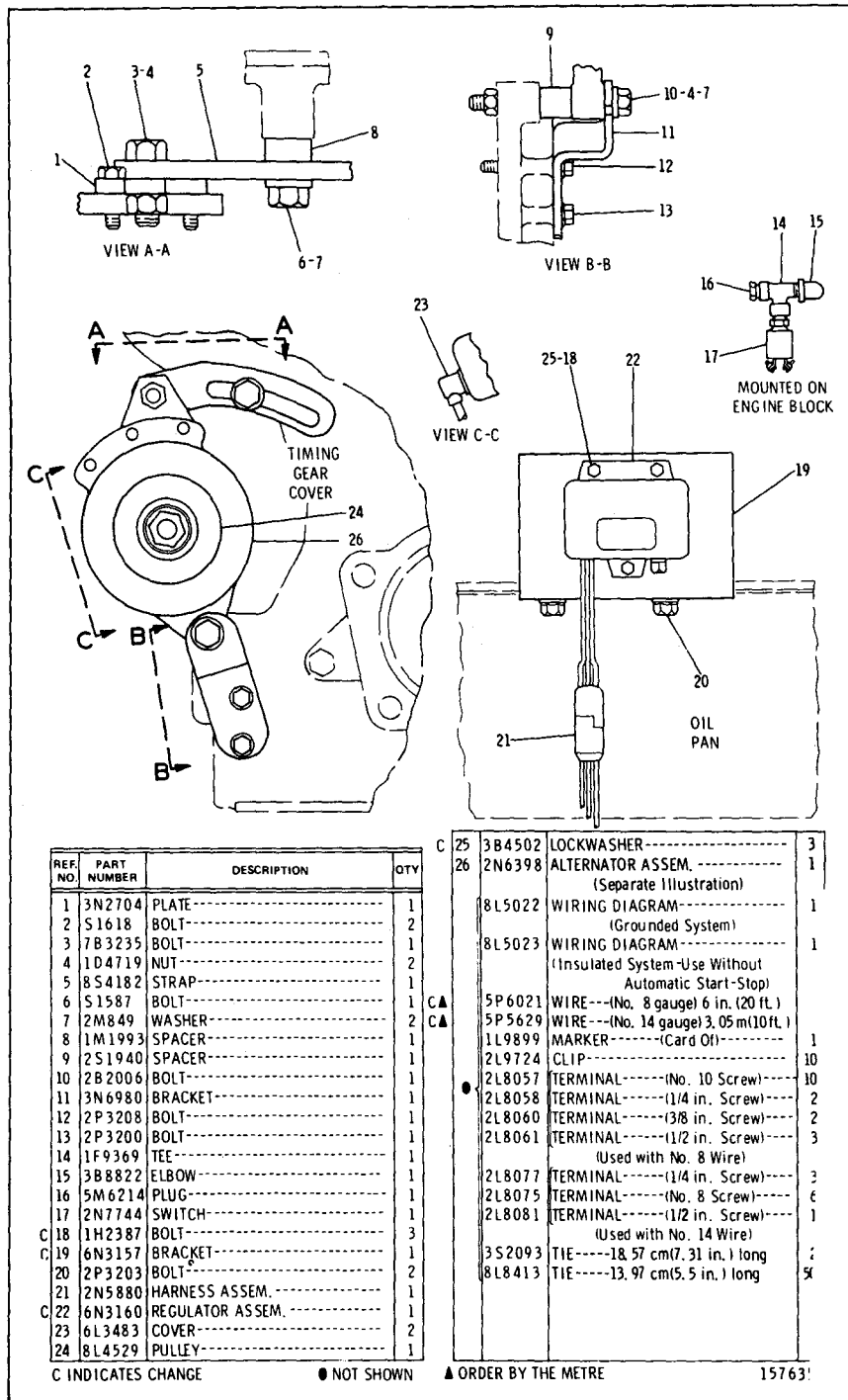
4N8777 ALTERNATOR GROUP—24 Volt, 50 Ampere
FOR USE WITH TRUNNION SUPPORT
5S9088 Alternator & 1N8509 Wiring Kit parts are shown on Pages 190, 191 & 199
AN ATTACHMENT



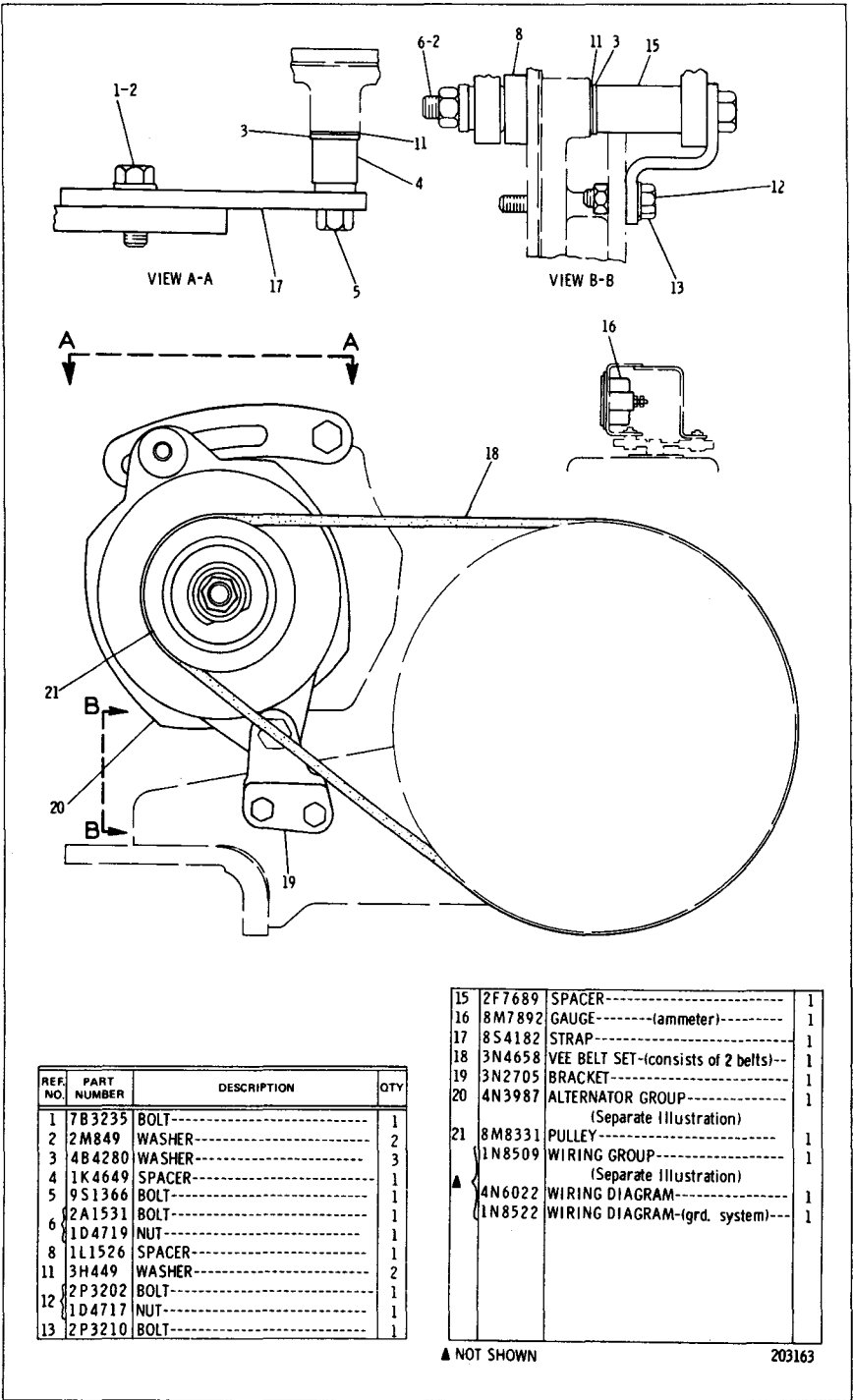
3N4667 ALTERNATOR GROUP—24 Volt, 60 Ampere
CANNOT BE USED WITH FRONT POWER TAKE-OFF OR FAN DRIVE



3N6986 ALTERNATOR GROUP—24 Volt, 35 Ampere
FOR USE WITH TRUNNION SUPPORT. 2N6398 Alternator parts
are shown on Page 197. AN ATTACHMENT



3N6986 ALTERNATOR GROUP—24 Volt, 35 Ampere—Type 2
 FOR USE WITH TRUNNION SUPPORT
 2N6398 Alternator parts are shown on Page 197
 AN ATTACHMENT



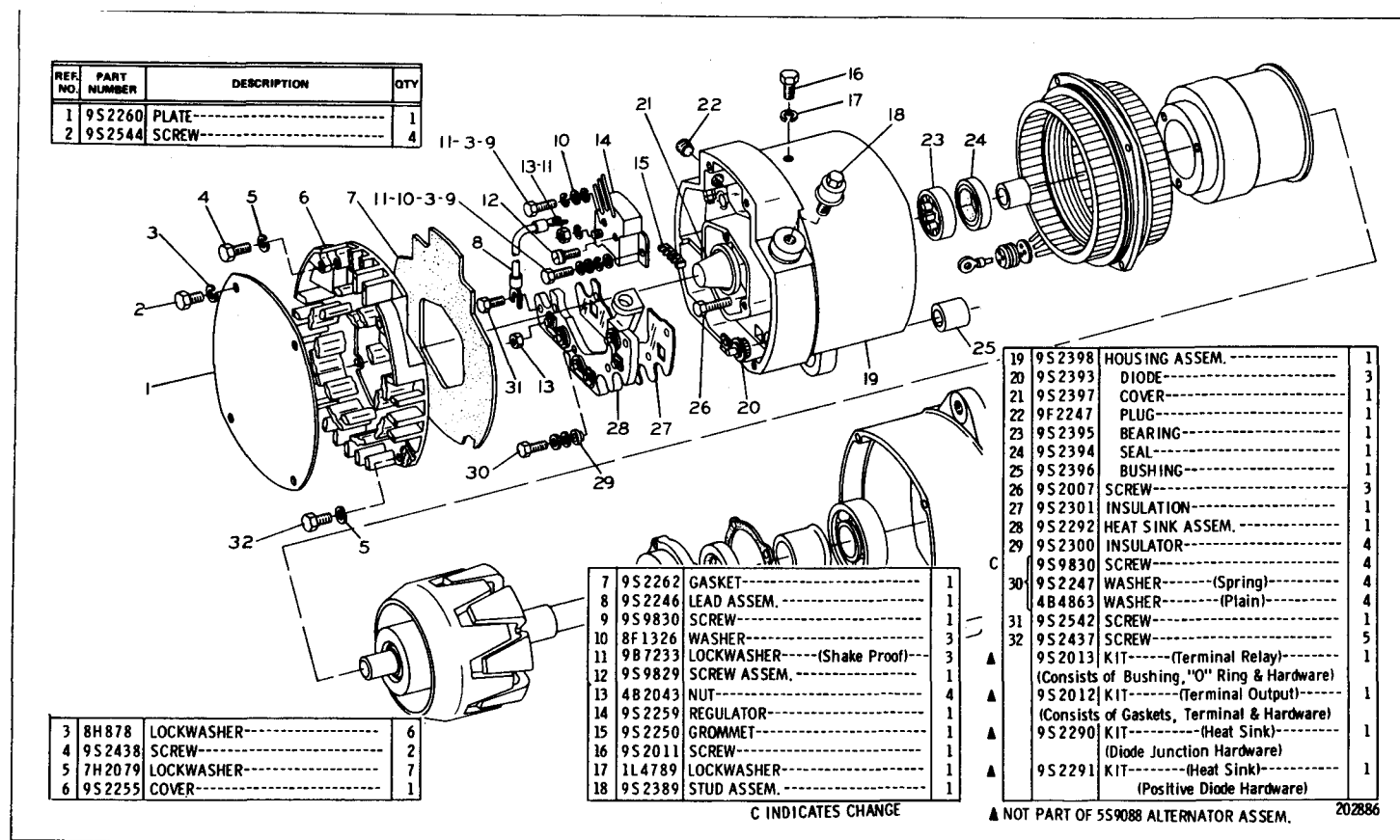
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7B3235	BOLT-----	1
2	2M849	WASHER-----	2
3	4B4280	WASHER-----	3
4	1K4649	SPACER-----	1
5	9S1366	BOLT-----	1
6	2A1531	BOLT-----	1
8	1D4719	NUT-----	1
11	1L1526	SPACER-----	1
11	3H449	WASHER-----	2
12	2P3202	BOLT-----	1
12	1D4717	NUT-----	1
13	2P3210	BOLT-----	1

15	2F7689	SPACER-----	1
16	8M7892	GAUGE----- (ammeter)-----	1
17	8S4182	STRAP-----	1
18	3N4658	VEE BELT SET-(consists of 2 belts)---	1
19	3N2705	BRACKET-----	1
20	4N3987	ALTERNATOR GROUP-----	1
		(Separate Illustration)	
21	8M8331	PULLEY-----	1
	1N8509	WIRING GROUP-----	1
		(Separate Illustration)	
	4N6022	WIRING DIAGRAM-----	1
	1N8522	WIRING DIAGRAM-(grd. system)---	1

▲ NOT SHOWN

203163

3N4666 ALTERNATOR GROUP—32 Volt, 60 Ampere
CANNOT BE USED WITH FRONT POWER TAKE-OFF OR FAN DRIVE



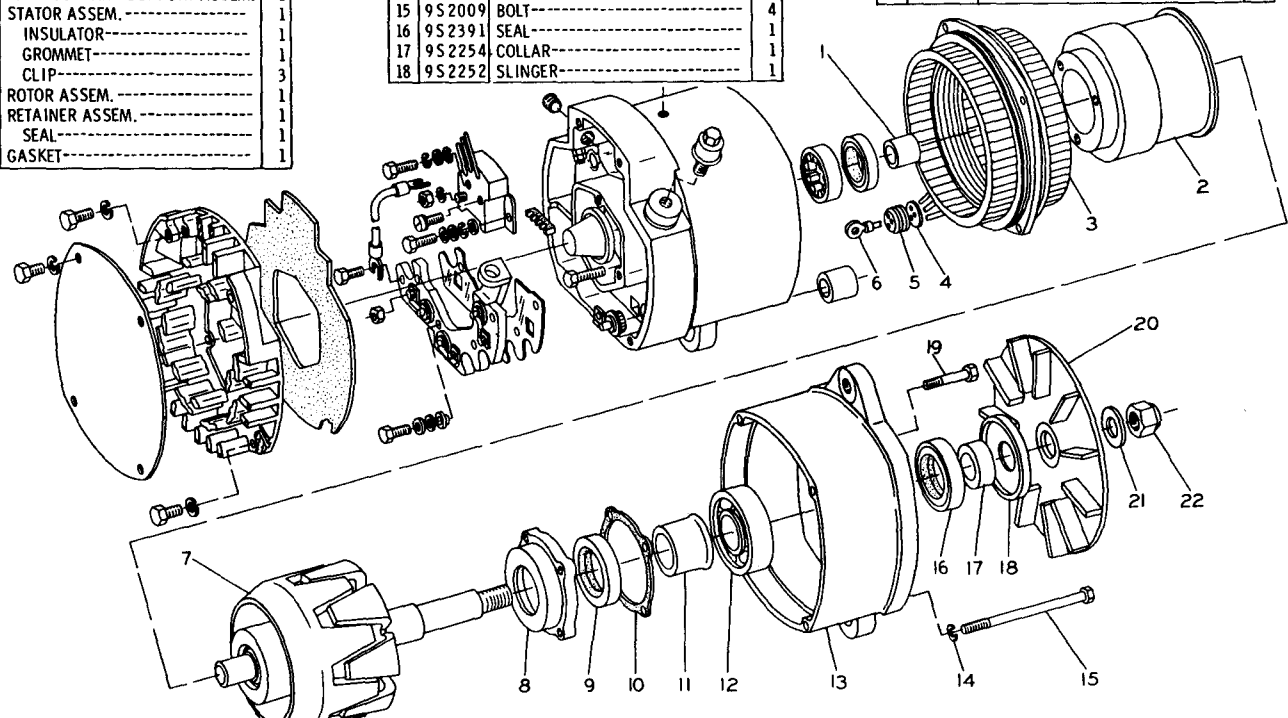
5S9088 ALTERNATOR ASSEMBLY—24 Volt, 50 Ampere—Part 1
Part of 3N2758 and 4N8777 Alternator Groups shown on Pages 183 and 186

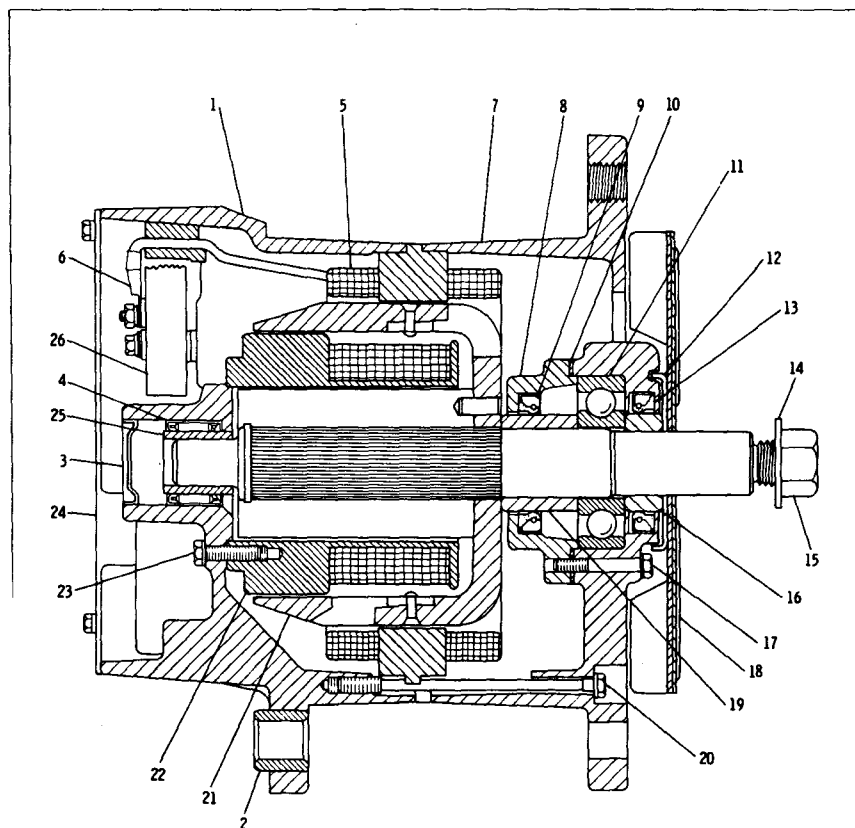
5S9088 ALTERNATOR ASSEMBLY—24 Volt, 50 Ampere—Part 2
Part of 3N2758 and 4N8777 Alternator Groups shown on Pages 183 and 186

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9S2242	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





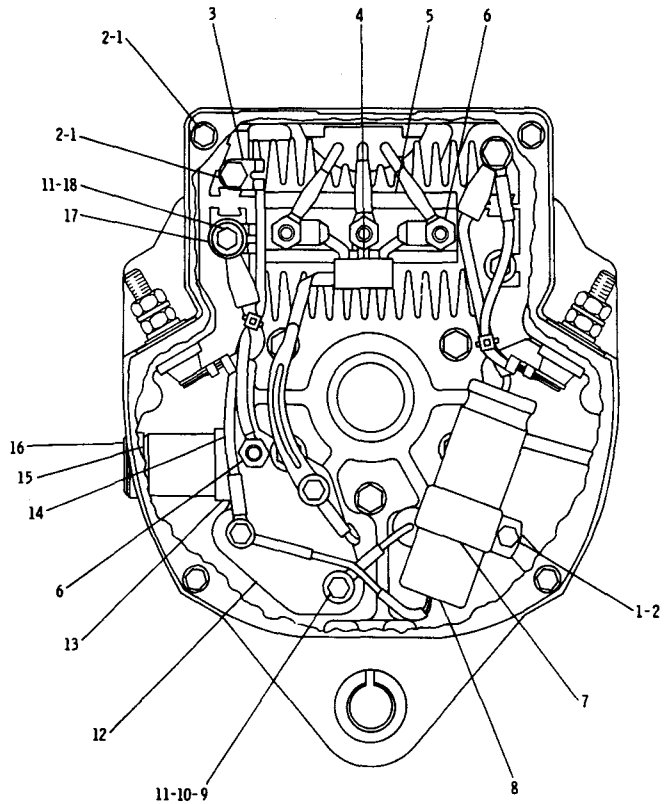
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N1876	HOUSING ASSEM. -----	1
2	9S2396	BUSHING-----	1
3	9N943	PLUG-----	1
4	5P3418	BEARING-----	1
5	6N1968	STATOR ASSEM. -----	1
		(Includes)	
6	9S2014	TERMINAL-----	3
	9N939	GROMMET-----	1
C 7	2P5616	FRAME-----	1
8	9S2390	RETAINER ASSEM. -----	1
		(Includes)	
9	9S2391	SEAL-----	1
10	9S2256	GASKET-----	1
11	2F5721	BEARING-----	1
12	9S2252	SLINGER-----	1
13	9S2391	SEAL-----	1
14	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
C 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----- (terminal)	1
(Includes Terminal and Lead, Bushing, Washers, Nuts and Lockwashers)			

C INDICATES CHANGE

204413

4N3987 ALTERNATOR GROUP—32 Volt, 60 Ampere—Part 1
Part of 3N4666 Alternator Assembly shown on Page 189



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
18	6N1870	SCREW ASSEM.-----	2

202837

4N3987 ALTERNATOR GROUP—32 Volt, 60 Ampere—Part 2
 Part of 3N4666 Alternator Assembly shown on Page 189