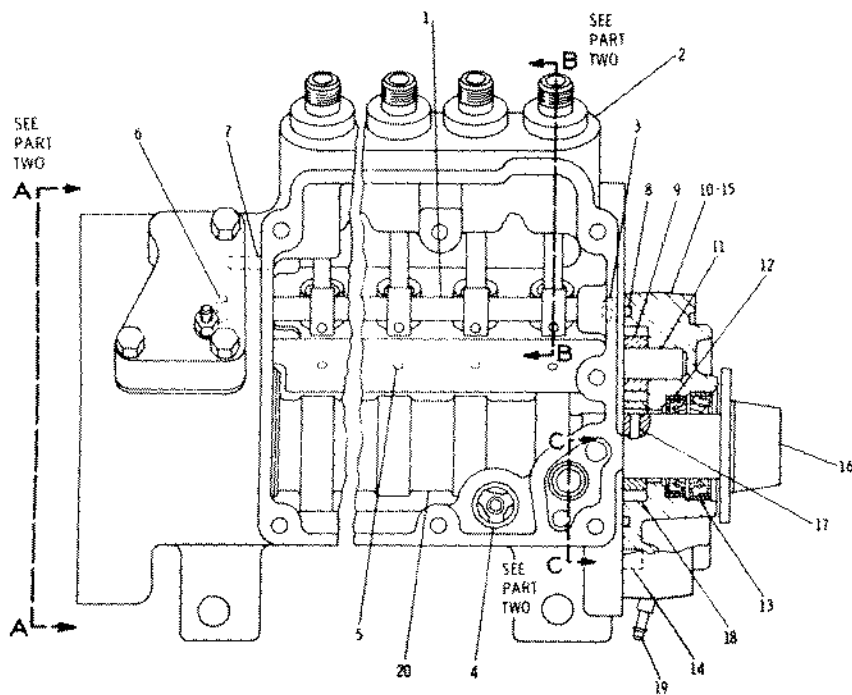




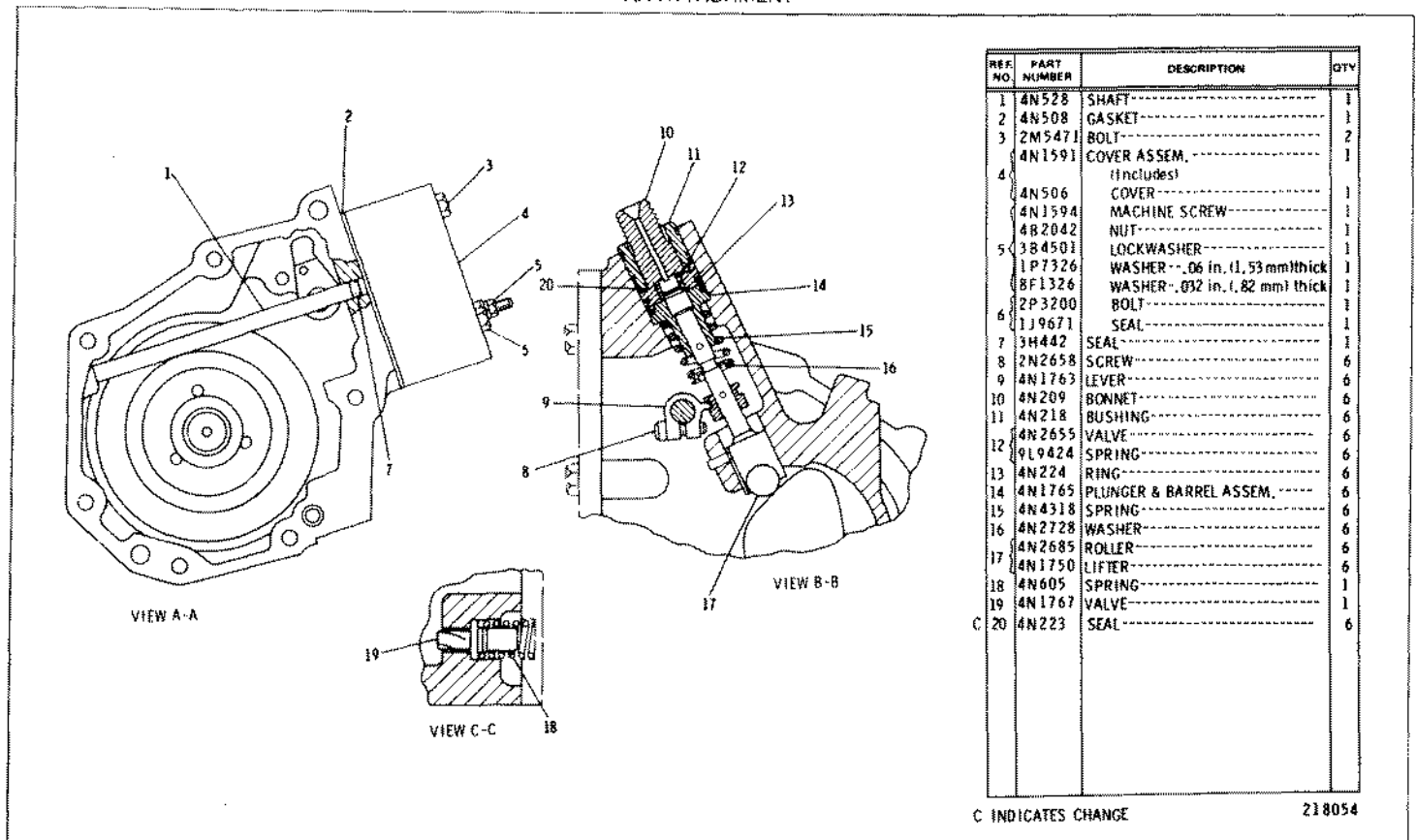
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N572	SHAFT ASSEM.	1
2	6N1347	HOUSING ASSEM.	1
		(Includes)	
3	4N1826	DOWEL	1
	2D6392	SEAL	1
4	1P2298	VALVE ASSEM.	1
5	6N5325	PIN	6
6	4N5481	STUD	1
7	4N2333	PIN	1
8	5M6509	SEAL	1
9	4N406	GEAR	1
		(10 teeth)	
10	9L6863	BODY ASSEM.	1
		(Includes)	
	4N5050	PLUG	1
11	8H9804	SHAFT	1
12	4N636	SEAL	1
13	4N1584	SEAL	1
14	856814	DOWEL	1
15	5J5314	BOLT	4
16	4N2954	SLEEVE	1
17	4N3779	KEY	1
18	4N429	GEAR	1
		(15 teeth)	
19	1P4001	FITTING	1
20	4N4313	CAMSHAFT	1

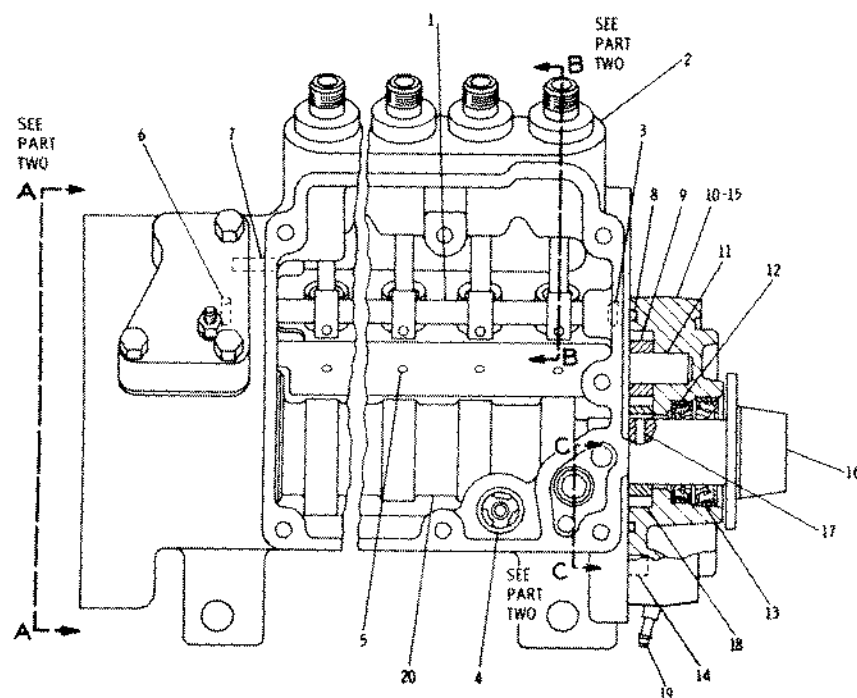
C INDICATES CHANGE

218053

6N205 FUEL INJECTION PUMP GROUP—Part 1—Type 1
Part of 6N172 Fuel Injection Pump and Governor Drive Group shown on Page 216
AN ATTACHMENT

6N205 FUEL INJECTION PUMP GROUP—Part 2—Type 1
Part of 6N172 Fuel Injection Pump and Governor Drive Group shown on Page 216
AN ATTACHMENT





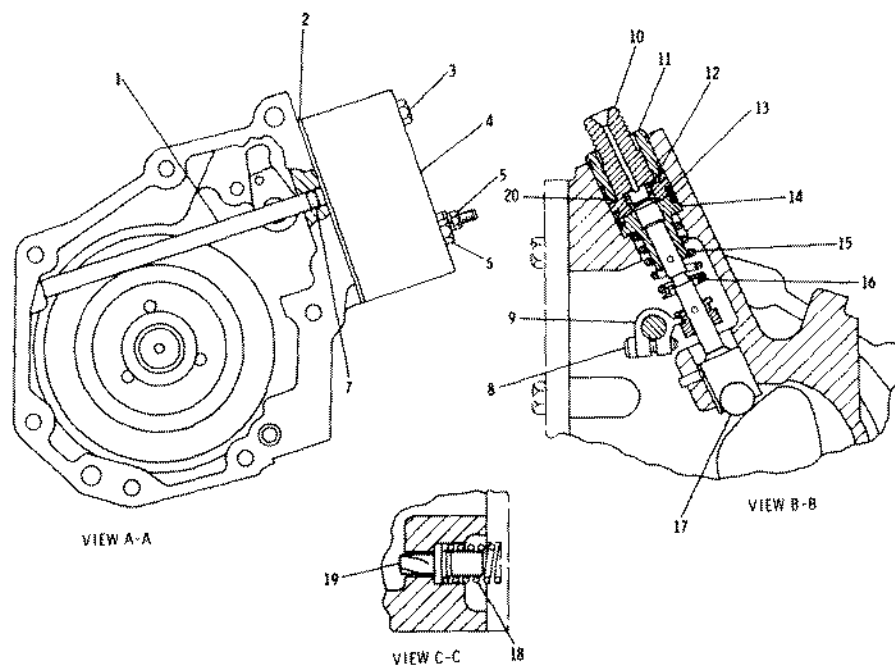
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N572	SHAFT ASSEM.	1
2	8N1570	HOUSING ASSEM.	1
		(includes)	
3	4N1826	DOWEL	1
	2D6392	SEAL	1
4	1P2298	VALVE ASSEM.	1
5	8N984	PIN	6
6	4N5483	STUD	1
7	4N2333	PIN	1
8	5M6509	SEAL	1
9	4N486	GEAR (10 teeth)	1
	9L6863	BODY ASSEM.	1
		(includes)	
10	4N5050	PLUG	1
11	8N9804	SHAFT	1
12	4N636	SEAL	1
13	4N1584	SEAL	1
14	8S6814	DOWEL	2
15	5J5314	BOLT	4
16	4N7954	SLEEVE	1
17	4N3779	KEY	1
18	4N429	GEAR (15 teeth)	1
19	1P4003	FITTING	1
20	4N4313	CAMSHAFT	1

C INDICATES CHANGE

172267

6N205 FUEL INJECTION PUMP GROUP—Part 1—Type 2
Part of 6N172 Fuel Injection Pump and Governor Drive Group shown on Page 216
AN ATTACHMENT

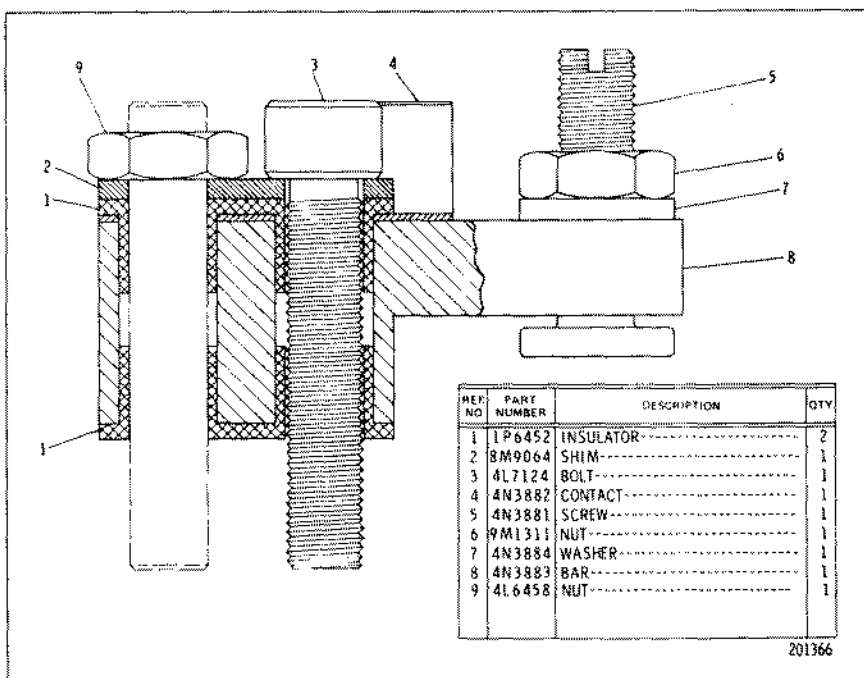
6N205 FUEL INJECTION PUMP GROUP—Part 2—Type 2
Part of 6N172 Fuel Injection Pump and Governor Drive Group shown on Page 216
AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N528	SHAFT-----	1
2	4N508	GASKET-----	1
3	2M5471	BOLT-----	2
4	4N1591	COVER ASSEM.-----	1
	(Includes)		
4	4N506	COVER-----	1
4	4N1594	MACHINE SCREW-----	1
4	4B2042	NUT-----	1
5	3B4501	LOCKWASHER-----	1
5	1P7326	WASHER--.06 in. (1.53 mm) thick-----	1
5	8F1326	WASHER--.032 in. (.82 mm) thick-----	1
6	2P3200	BOLT-----	1
6	1J9671	SEAL-----	1
7	3H442	SEAL-----	1
8	2N2658	SCREW-----	6
9	4N1763	LEVER-----	6
10	4N209	BONNET-----	6
11	4N218	BUSHING-----	6
12	4N2655	VALVE-----	6
12	9L9424	SPRING-----	6
13	4N224	RING-----	6
14	4N1765	PLUNGER & BARREL ASSEM.-----	6
15	4N4318	SPRING-----	6
16	4N2728	WASHER-----	6
16	4N2685	ROLLER-----	6
17	8N1713	LIFTER-----	6
18	4N605	SPRING-----	1
19	4N1767	VALVE-----	1
20	4N223	SEAL-----	6

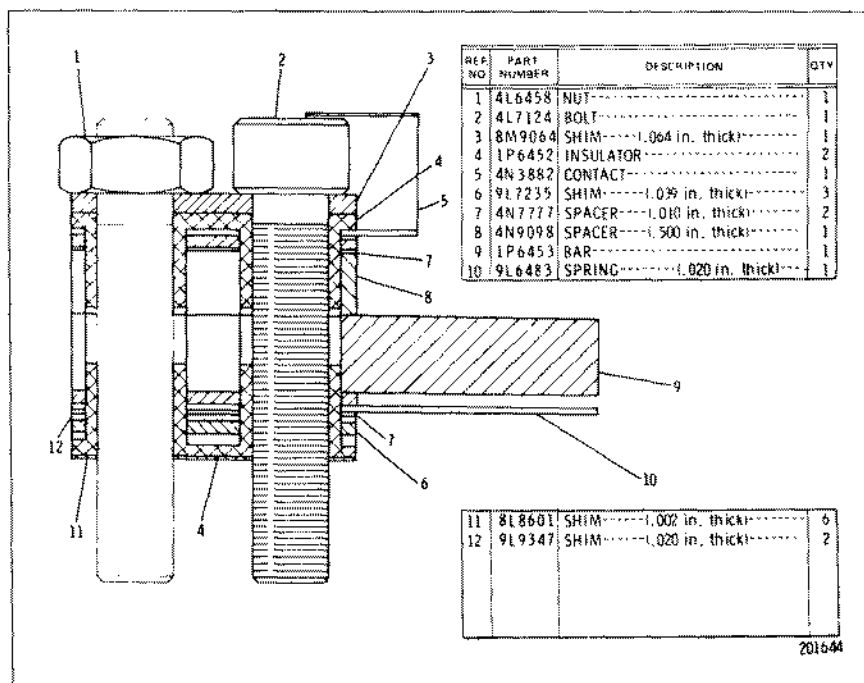
C INDICATES CHANGE

172268

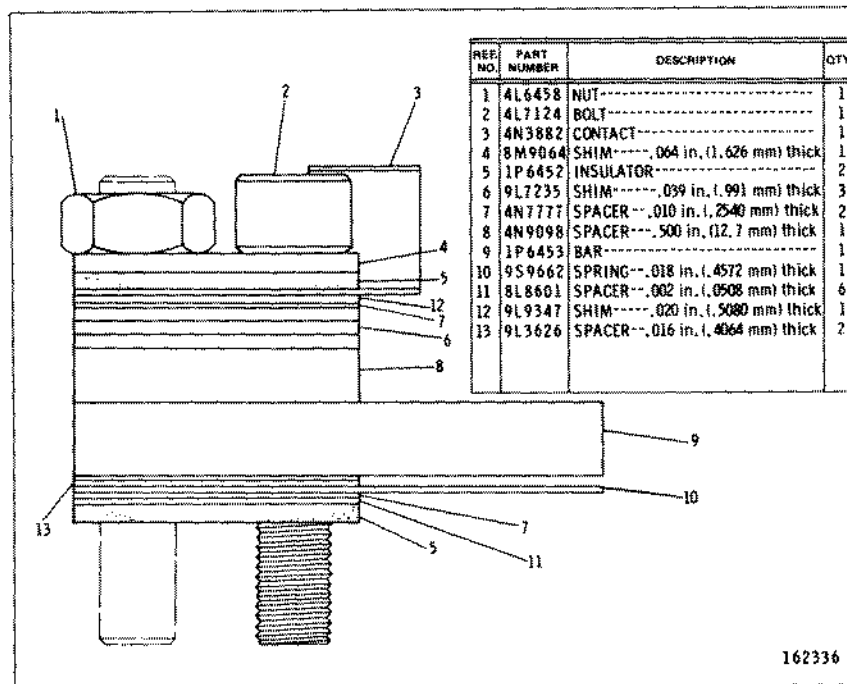


6N509 TORQUE CONTROL GROUP

Part of 7N1780, 7N6439, 6N3688, 6N6214, 6N7613, 6N6244 and 6N7614 Governor and Fuel Injection Pump Groups shown on Pages 182, 183, 185, 189, 190 and 191

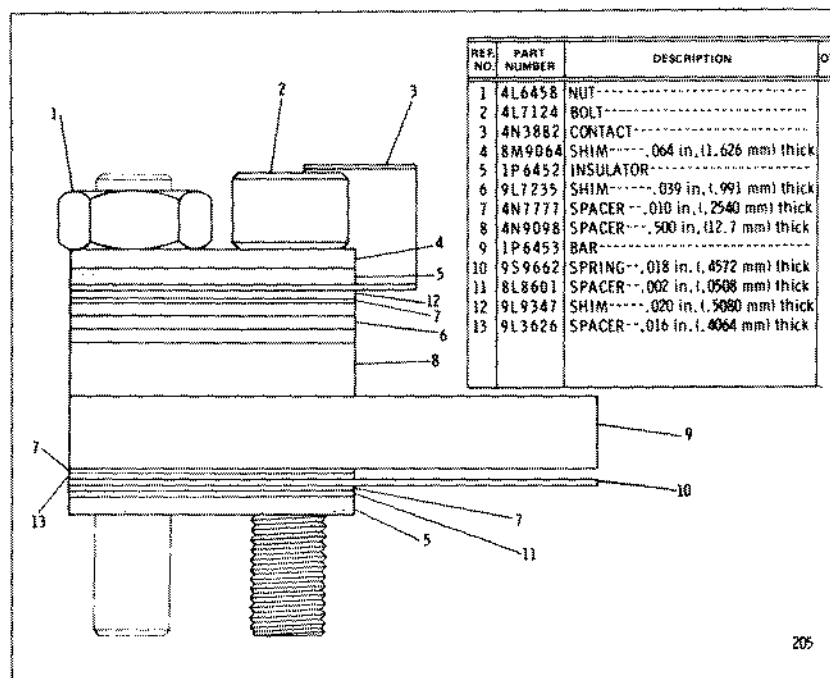


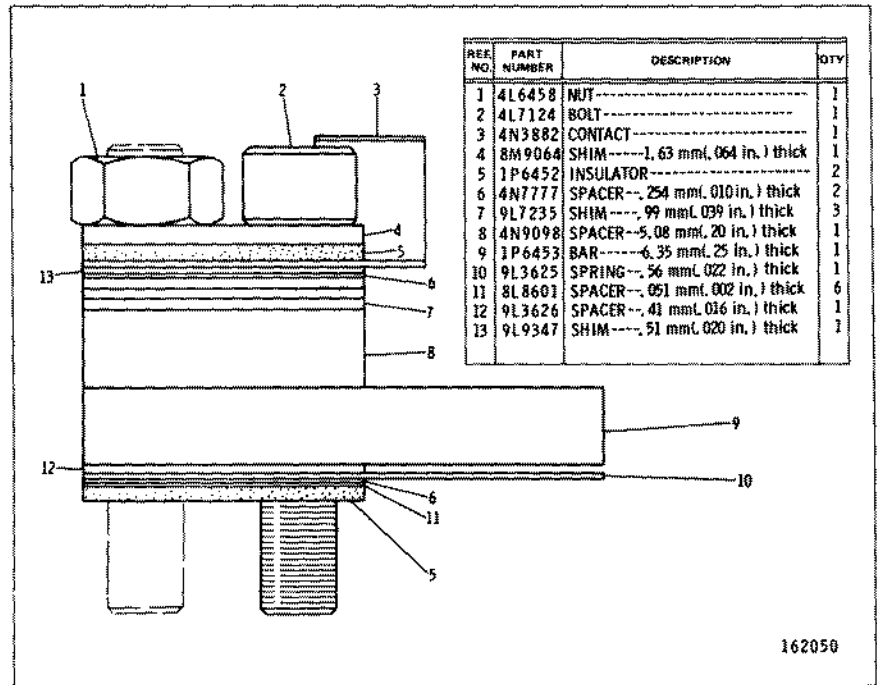
6N454 TORQUE CONTROL GROUP



6N8203 TORQUE CONTROL GROUP

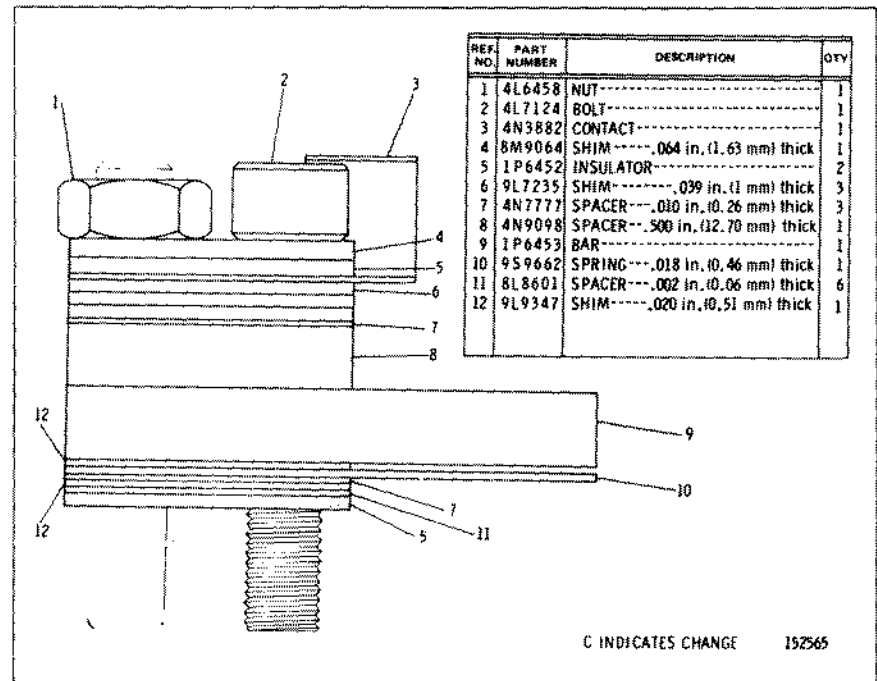
Part of 7N5947 and 7N5304 Governor and Fuel Injection Pump Groups shown on
Pages 184 and 184A



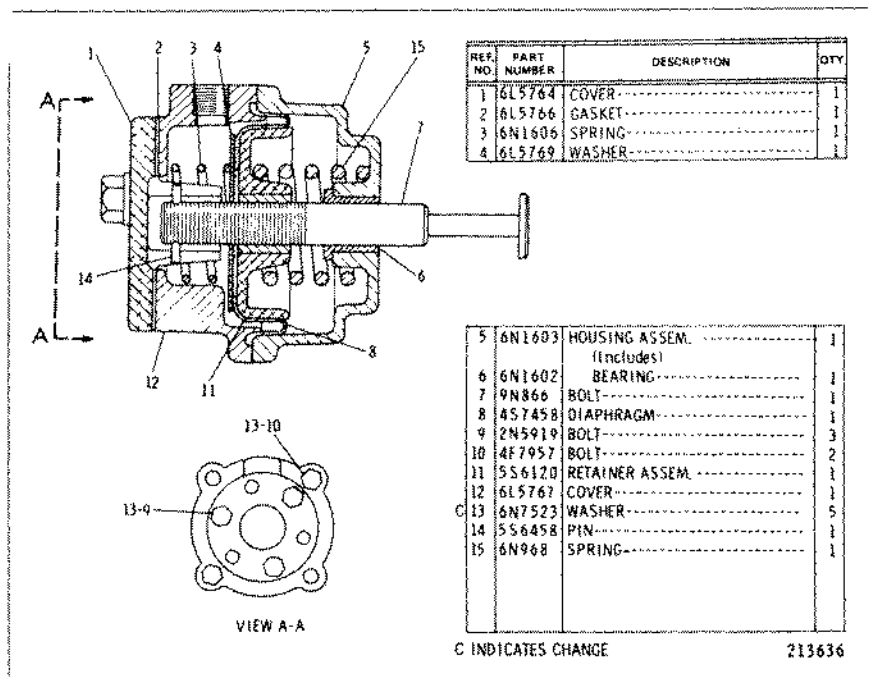


7N576 TORQUE CONTROL GROUP

Part of 7N5303 Governor and Fuel Injection Pump Group shown on Page 185



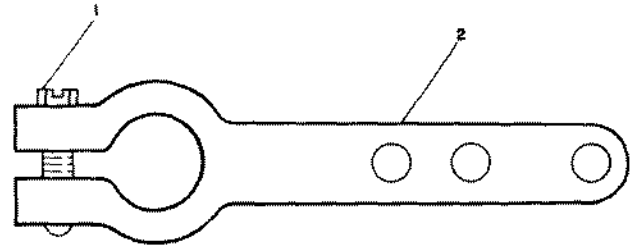
6N3730 TORQUE CONTROL GROUP



6N4654 FUEL RATIO CONTROL GROUP

Part of 6N3687, 6N5275 and 6N6270 Governor and Fuel Injection Pump Groups shown on Pages 195, 197, 197B, 197D and 199

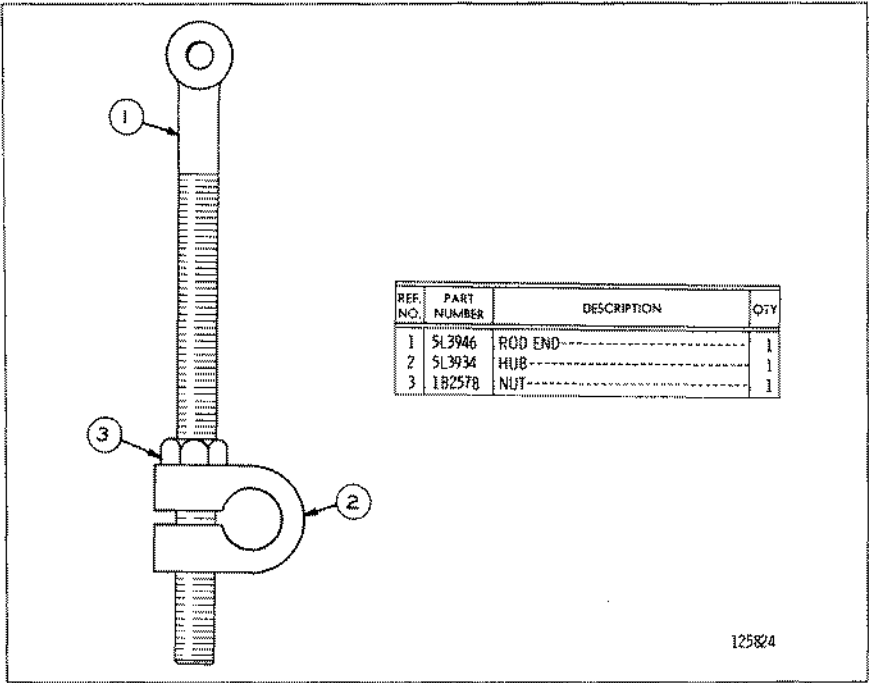
4N4222 GOVERNOR SPRING--5% REGULATION AT 2000 R.P.M.
 6N7814 GOVERNOR SPRING--5% REGULATION AT 1800 R.P.M.
 6N7815 GOVERNOR SPRING--5% REGULATION AT 1500 R.P.M.



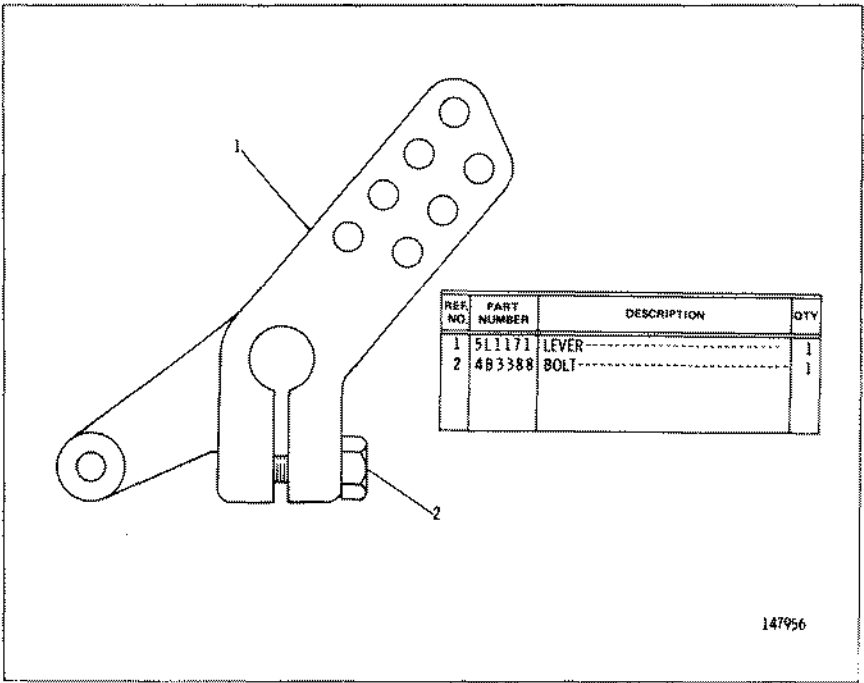
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	1M1254	BOLT-----	1
2	3N4892	LEVER-----	1

220760

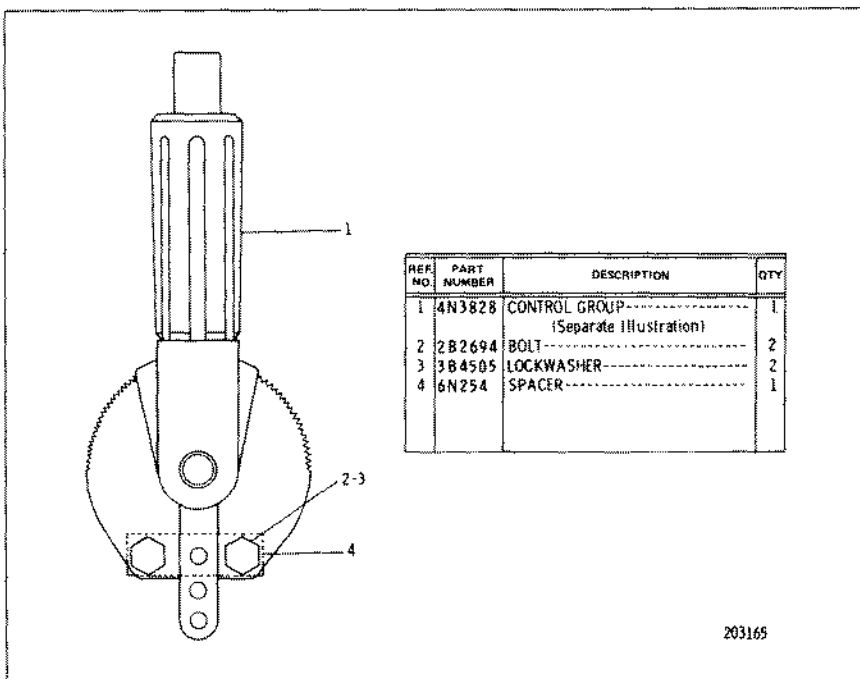
8N2177 GOVERNOR CONTROL GROUP
Provides Three Hole Governor Control Lever
AN ATTACHMENT



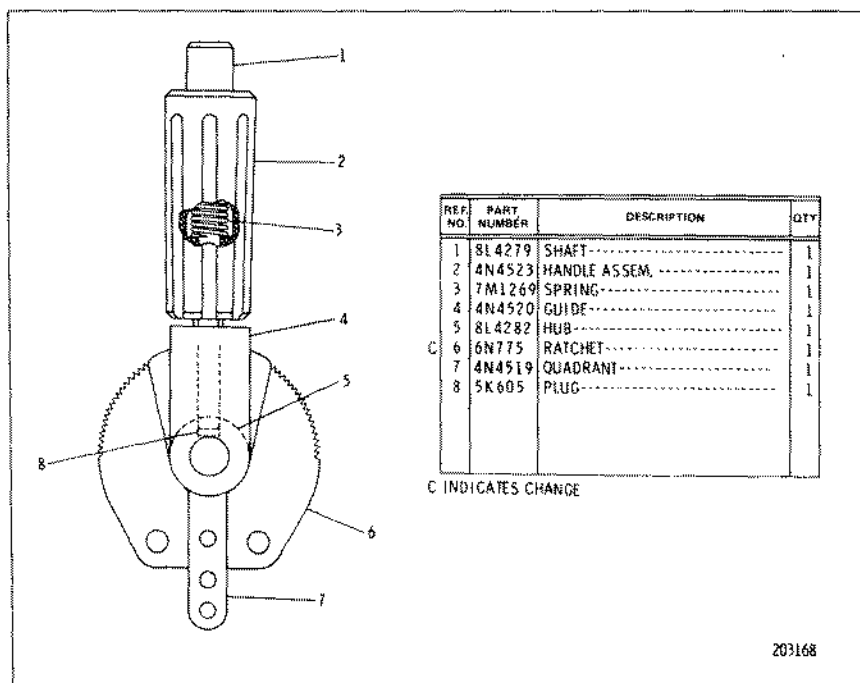
1N5331 GOVERNOR CONTROL GROUP
FOR USE WITH MOBILE APPLICATION
AN ATTACHMENT



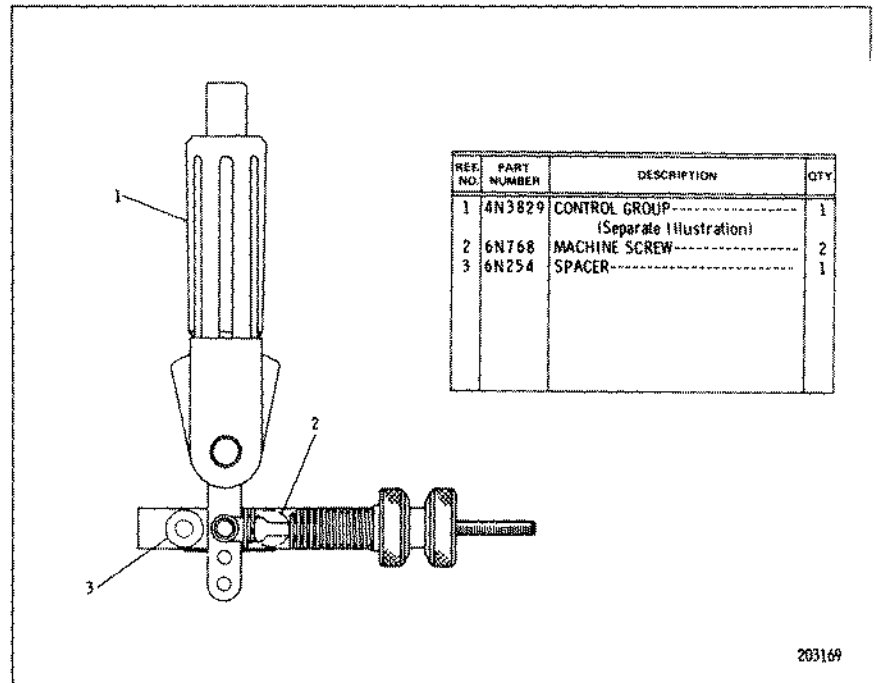
3N7741 GOVERNOR CONTROL GROUP



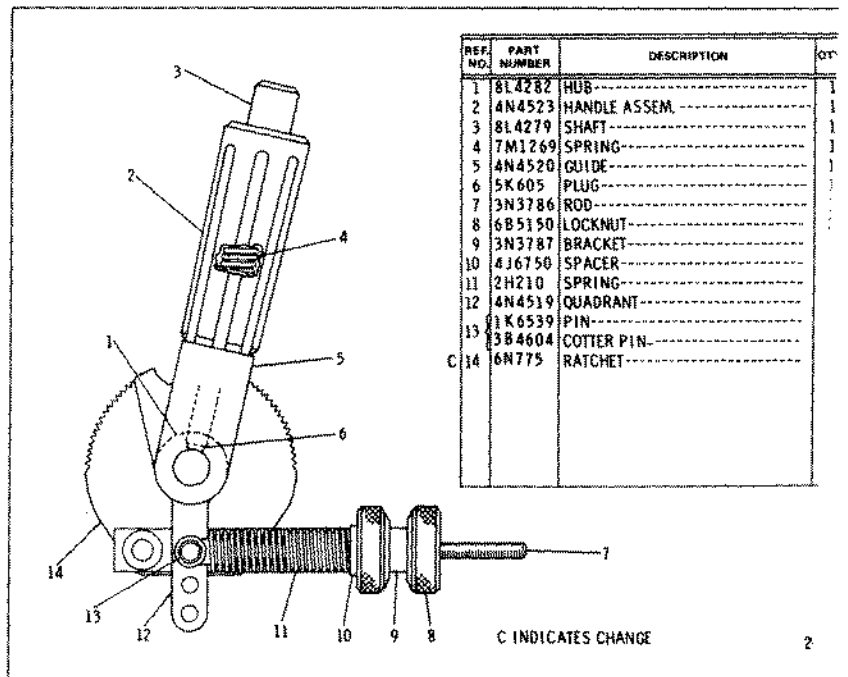
4N4599 GOVERNOR CONTROL GROUP—Remote and Positive Lock
AN ATTACHMENT



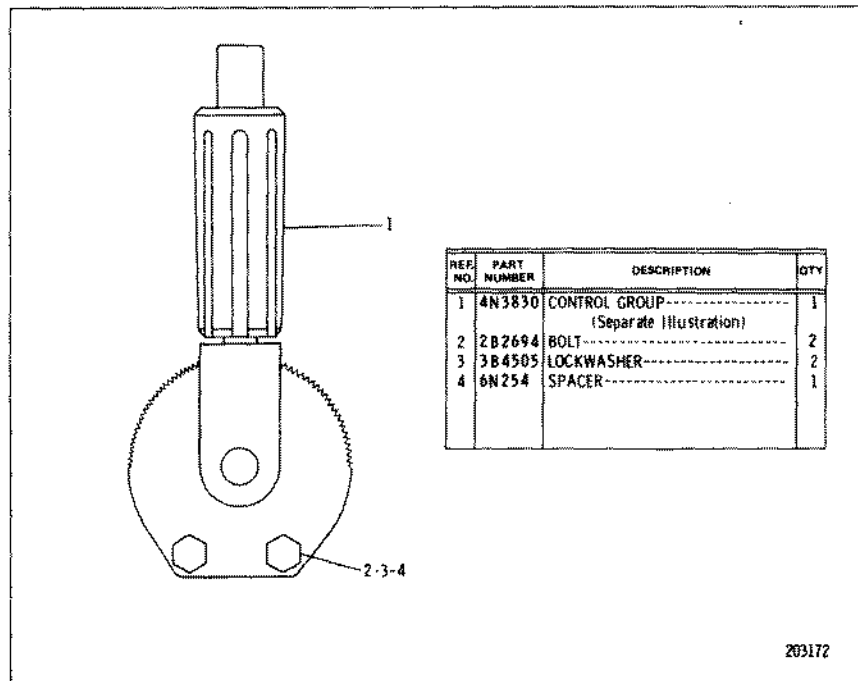
4N3828 GOVERNOR CONTROL GROUP—Remote and Positive Lock



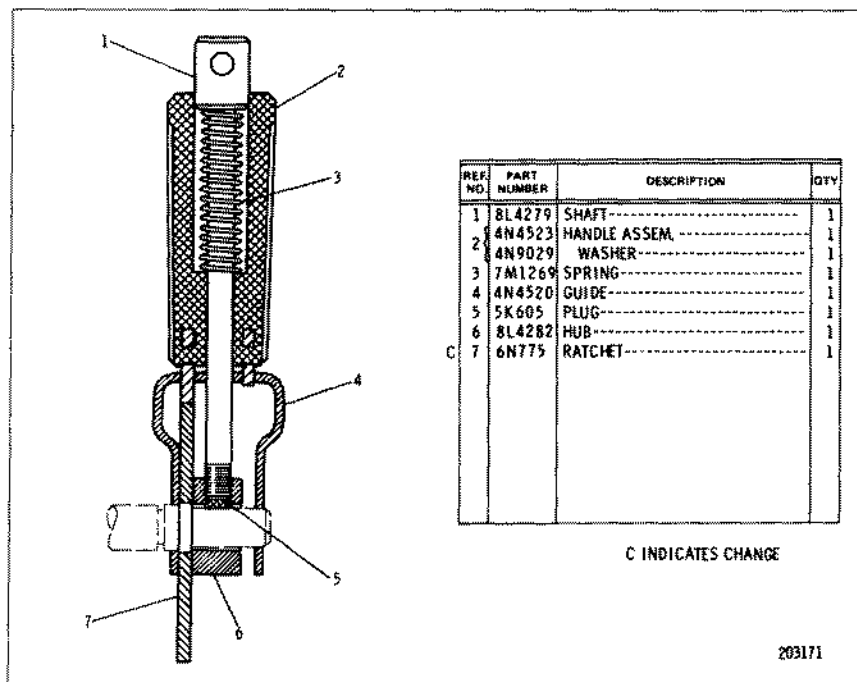
4N4600 GOVERNOR CONTROL GROUP—Vernier and Positive Lock
FOR USE WITH SLEEVE METERING FUEL SYSTEM
AN ATTACHMENT



4N4600 GOVERNOR CONTROL GROUP—Vernier and Positive Lock



4N4601 GOVERNOR CONTROL GROUP—Positive Lock
AN ATTACHMENT



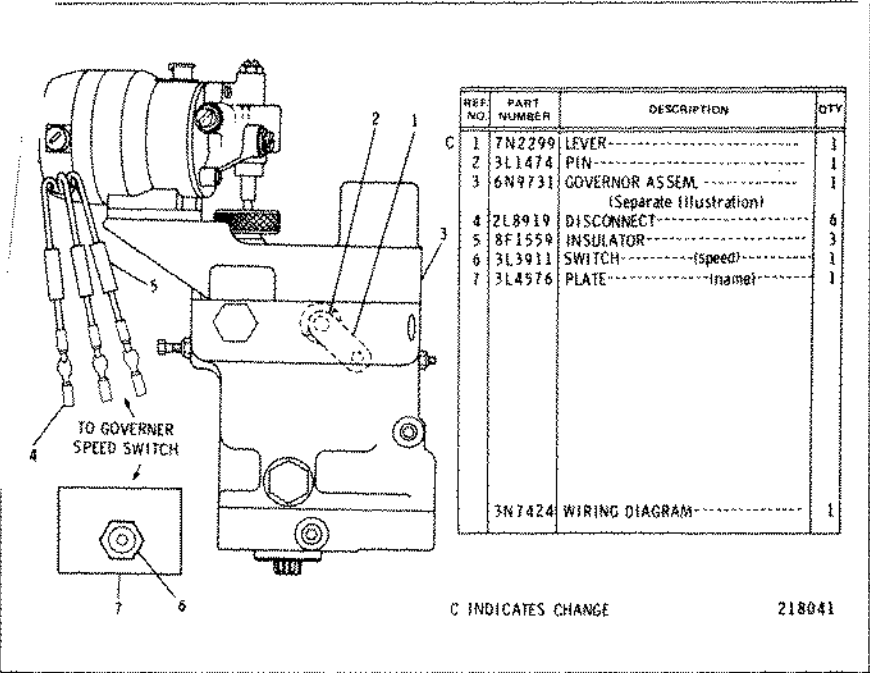
4N3830 GOVERNOR CONTROL GROUP—Positive Lock
Part of 4N4601 Governor Control Group
AN ATTACHMENT

CONSISTS OF:

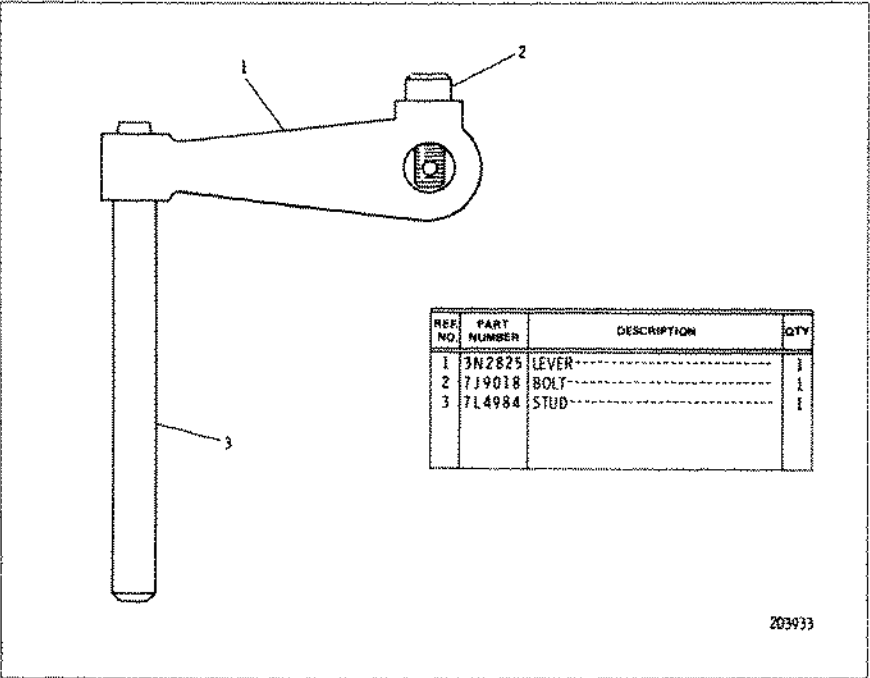
- 1 4N6547 HOUSING ASSEMBLY--ADJUSTABLE ORIFICE GOVERNOR
 - INCLUDES:
 - 1 5M6214 PLUG
 - 2 4N260 SEAL
 - 1 4N2333 DOWEL
 - 1 4N2786 SEAL
 - 2 8S6814 DOWEL
 - 1 6N2578 BEARING
 - 1 9S4180 PLUG
- 1 6N4655 DASHPOT ASSEMBLY
- 1 4N594 GASKET--GOVERNOR HOUSING TO FUEL PUMP HOUSING
- 1 4N5485 BODY VALVE
- 1 4N5484 VALVE--NEEDLE
- 1 6H9691 SEAL--VALVE TO BODY
- 1 5F9144 SEAL--BODY TO GOVERNOR HOUSING
- 3 4N5524 WEIGHTS--GOVERNOR
- 1 4N1723 SHIELD--WEIGHT CARRIER
- 3 4N2955 BOLT--WEIGHT CARRIER TO CAMSHAFT
- 1 3H442 SEAL--RISER LEVER SHAFT
- 1 4N49 GASKET--IDLE ADJUSTMENT COVER
- 1 4N508 GASKET--TORQUE SPRING COVER
- 1 4N159 GASKET--ADAPTER TO GOVERNOR HOUSING
- 1 6L5773 GASKET--SMOKE LIMITER TO SHUT-OFF HOUSING
- 2 4N117 GASKET--SOLENOID TO SHUT-OFF HOUSING
- 1 4N4221 SPRING--(2) PINK STRIPES
- 1 4N4223 SPRING--(2) YELLOW STRIPES
- 1 4N4224 SPRING--(2) YELLOW AND (1) WHITE STRIPE
- 1 4N402 GASKET--THROTTLE COVER
- 1 6N6597 GASKET--SHUT-OFF HOUSING TO ADAPTER
- 1 6N6158 SPRING--(3) GREEN AND (1) YELLOW STRIPE
- 1 6N6157 SPRING--(3) PINK AND (1) WHITE STRIPE
- 1 4N9191 SPRING--(2) WHITE AND (1) PINK STRIPE
- 1 4N9192 SPRING--(2) PINK AND (1) WHITE STRIPE
- 1 FORM SMHS-6762

6N6901 CLOSE REGULATION GOVERNOR GROUP--Inline SMFS--
Field Installation

CATERPILLAR 3306

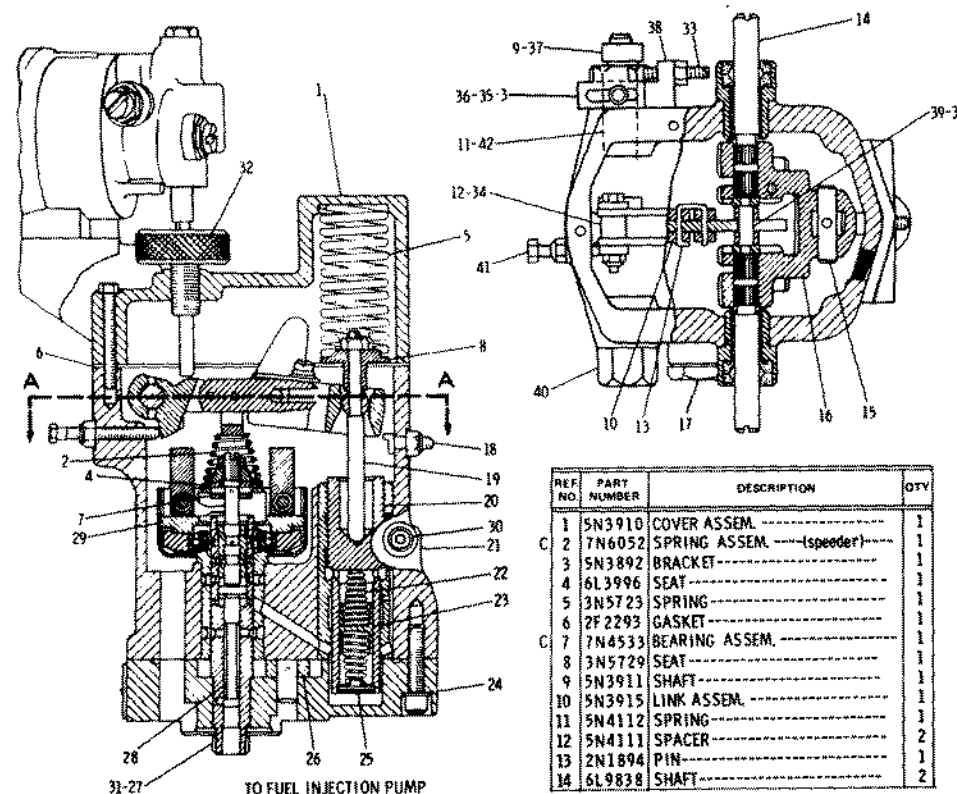


6N9733 WOODWARD GOVERNOR GROUP—24 Volt
6N9731 Governor parts are shown on Page 231
AN ATTACHMENT



6N2554 MANUAL GOVERNOR SHUT-OFF GROUP
AN ATTACHMENT

6N9731 WOODWARD GOVERNOR GROUP
Part of 6N9733 Woodward Governor Group shown on Page 230
AN ATTACHMENT

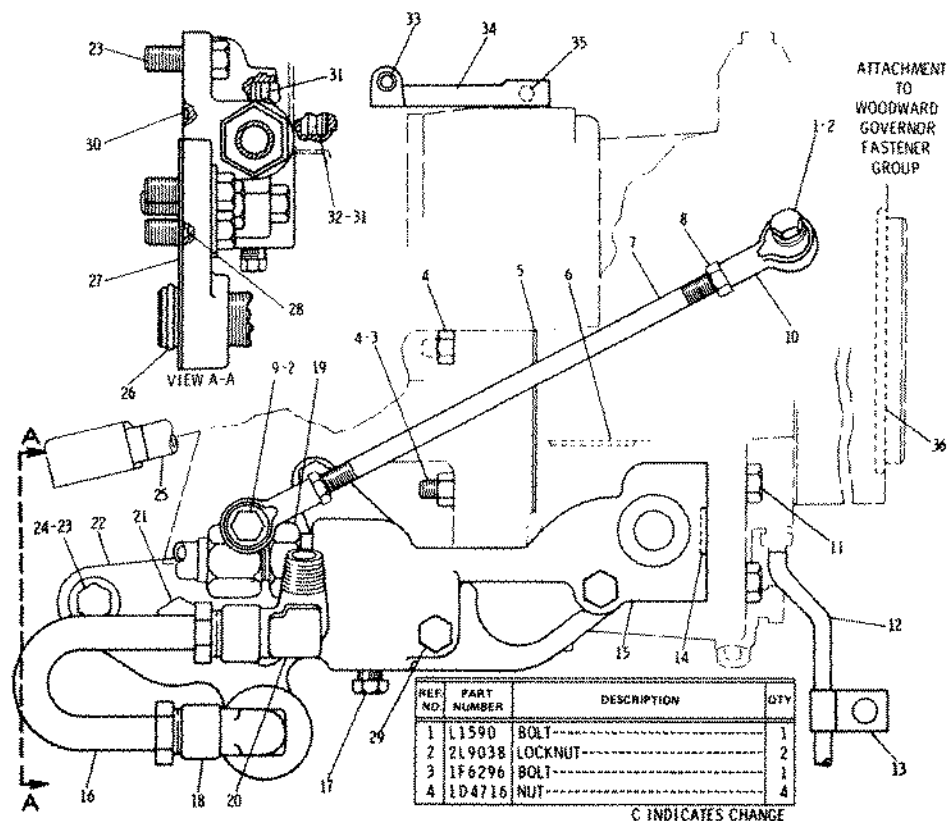


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5N3910	COVER ASSEM. -----	1
2	7N6052	SPRING ASSEM. ----(speeder)-----	1
3	5N3892	BRACKET-----	1
4	6L3996	SEAT-----	1
5	3N5723	SPRING-----	1
6	2F2293	GASKET-----	1
7	7N4533	BEARING ASSEM.-----	1
8	3N5729	SEAT-----	1
9	5N3911	SHAFT-----	1
10	5N3915	LINK ASSEM.-----	1
11	5N4112	SPRING-----	1
12	5N4111	SPACER-----	2
13	2N1894	PIN-----	1
14	6L9838	SHAFT-----	2

15	3N7530	PIN-----	1
16	3N5730	LEVER-----	1
17	6L4007	VALVE ASSEM. -----	1
18	6L4004	SCREW-----	1
19	3N5728	STRUT-----	1
20	3N5727	PISTON-----	1
21	5N3912	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	7N1	BALLHEAD ASSEM.-----	1
30	5N3908	PLUG-----	1
31	5N3889	VALVE----- (needle)	1
32	6L3992	BUSHING-----	1
33	5N3909	CLUTCH ASSEM.-----	1
34	5N3883	SCREW-----	1
35	4B2043	NUT-----	1
36	5N3885	LINK-----	1
37	5N3888	SCREW-----	1
38	5N3891	WASHER-----	3
39	5N3913	LEVER-----	1
40	5N3893	BRACKET-----	1
41	5N3887	PIN-----	1
42	5N3884	BLOCK-----	2
	6F3480	SLEEVE ASSEM.-----	1
	5N3890	SHAFT-----	1
	5N3886	SCREW-----	1
	5N3916	SLEEVE ASSEM.-----	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
C	7N6807	KIT----- (hardware)-----	1
[Includes Bearing, Pins, Seals, Nuts, Washers, Lockwashers, Screws, Rings, Gaskets, Valve Plugs & Seat]			

C INDICATES CHANGE

217973

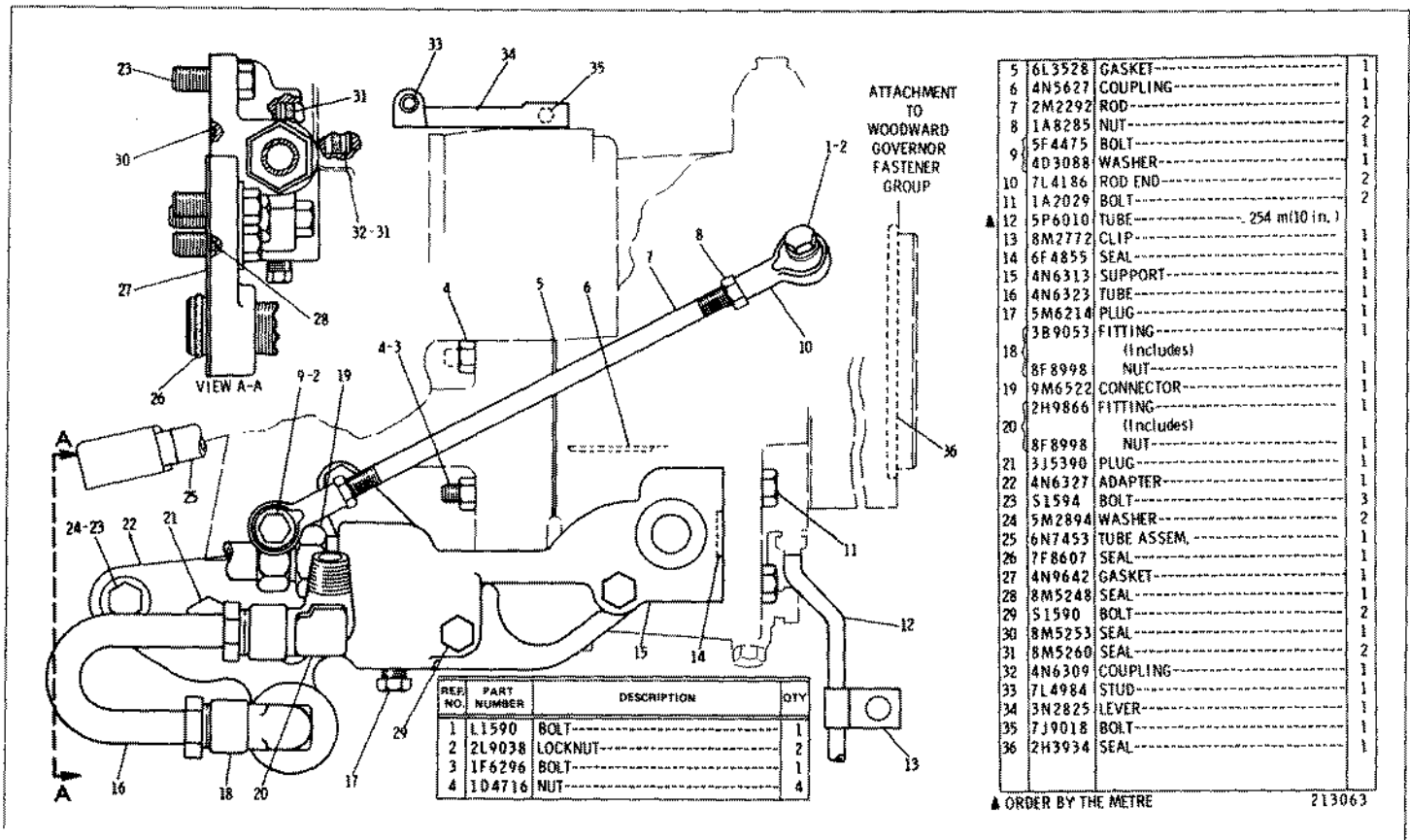


5	6L3528	GASKET	1
6	4N5627	COUPLING	1
7	2M2292	ROD	1
8	1A8285	NUT	2
9	4B2152	BOLT	1
10	4D3088	WASHER	1
11	7L4186	ROD END	2
12	1A2029	BOLT	2
13	5P6010	TUBE	1
14	8M2772	CLIP	1
15	6F4855	SEAL	1
16	4N6313	SUPPORT	1
17	4N6323	TUBE	1
18	5M6214	PLUG	1
19	3B9053	FITTING	1
20	8F8998	NUT	1
21	9M6522	CONNECTOR	1
22	2H9866	FITTING	1
23	8F8998	NUT	1
24	3J5390	PLUG	1
25	4N6327	ADAPTER	1
26	S1594	BOLT	3
27	5M2894	WASHER	2
28	6N8612	TUBE ASSEM.	1
29	7F8607	SEAL	1
30	4N9642	GASKET	1
31	8M5248	SEAL	1
32	S1590	BOLT	2
33	8M5253	SEAL	1
34	8M5260	SEAL	2
35	4N6309	COUPLING	1
36	7L4984	STUD	1
	3N2825	LEVER	1
	7J9018	BOLT	1
	2H3934	SEAL	1

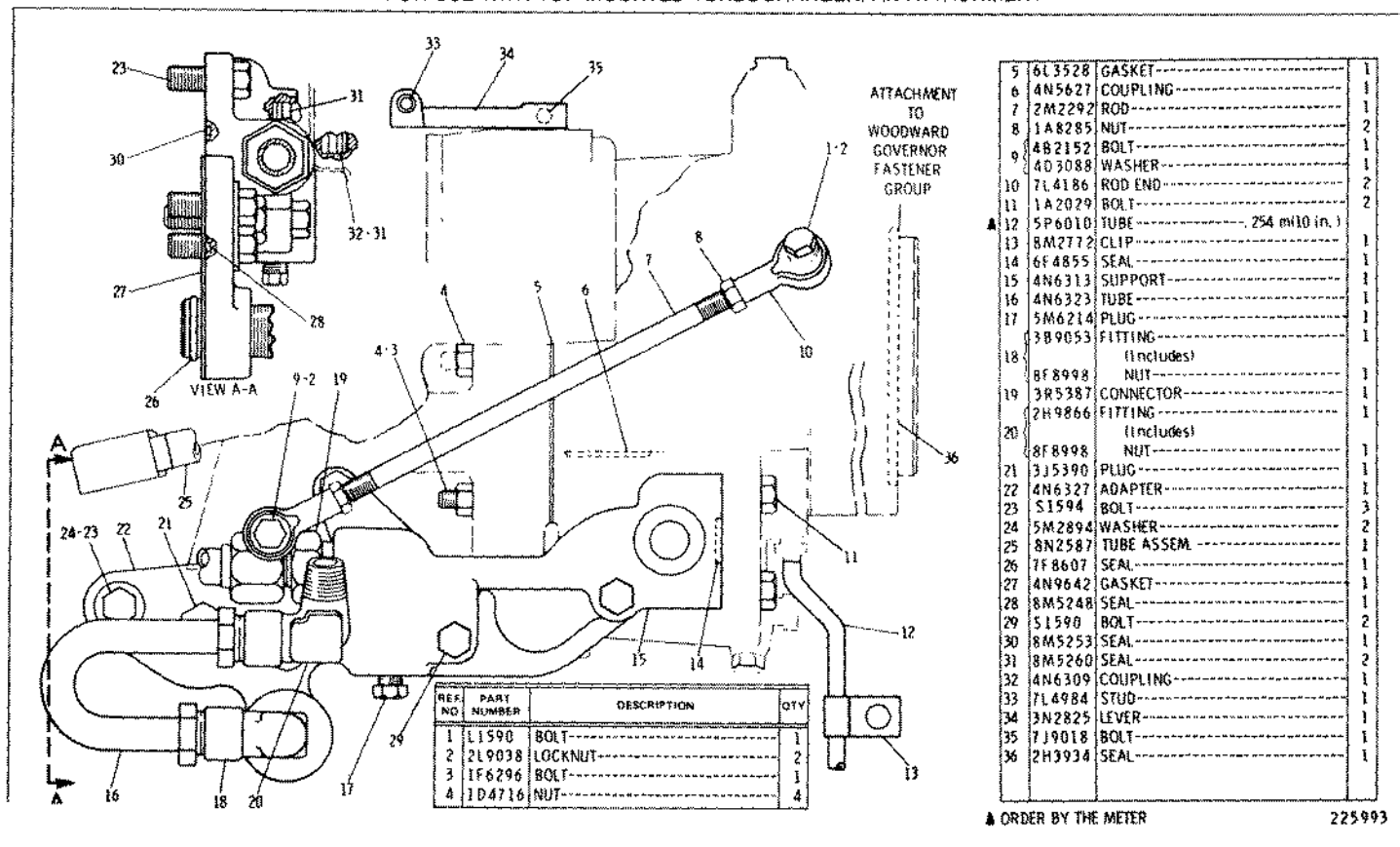
▲ ORDER BY THE METRE 168932

6N237 WOODWARD GOVERNOR FASTENER GROUP
FOR USE WITH HOT OR WATER COOLED MANIFOLD
AN ATTACHMENT

6N8640 WOODWARD GOVERNOR FASTENER GROUP
FOR USE WITH WATER SHIELDED MANIFOLD
AN ATTACHMENT

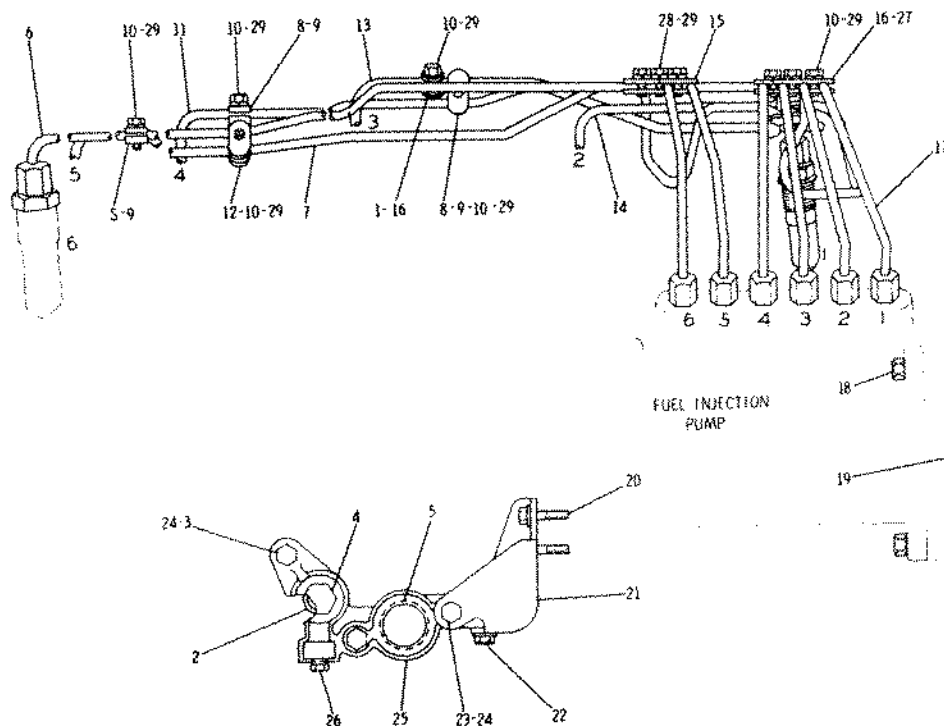


8N3018 WOODWARD GOVERNOR FASTENER GROUP
 Serial No. 66D35078—Up
 FOR USE WITH TOP MOUNTED TURBOCHARGER, AN ATTACHMENT



ORDER BY THE METER

225993



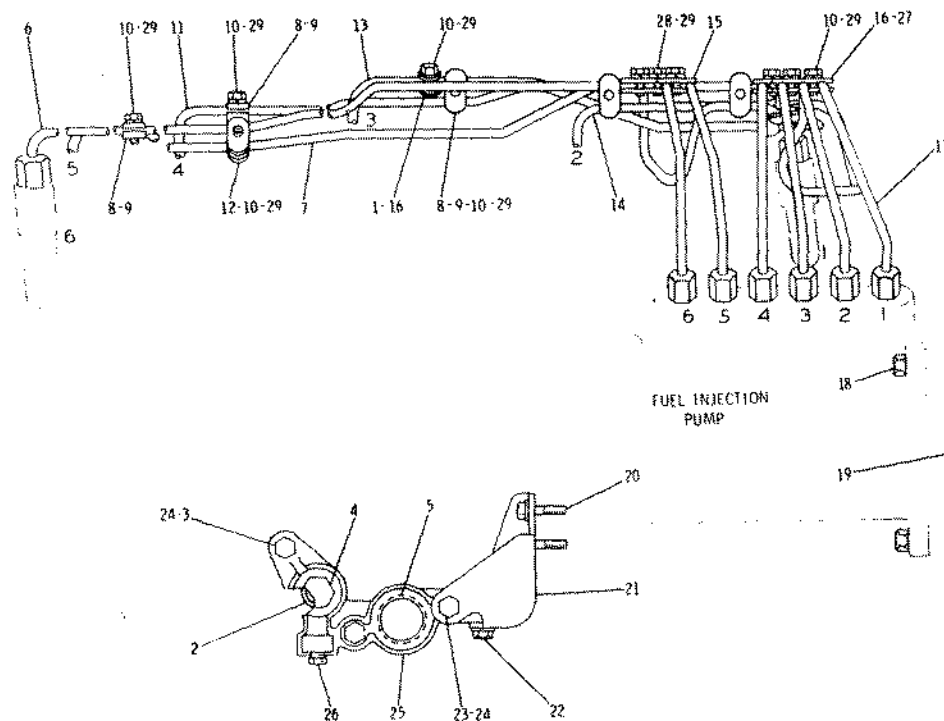
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7N4417	CLAMP ASSEM. -----	1
2	8M5253	SEAL -----	1
3	1A2029	BOLT -----	1
4	3J5389	PLUG -----	1
5	8M5248	SEAL -----	1
6	7N4426	LINE ASSEM. ----- (no. 6) -----	1
7	7N4425	LINE ASSEM. ----- (no. 5) -----	1
8	6N6403	CLAMP ----- (tapped) -----	6
9	6N6404	CLAMP ----- (tapped) -----	6
C 10	51615	BOLT ----- 1.91 cm (.75 in.) long -----	15
11	7N2874	LINE ASSEM. ----- (no. 4) -----	1
12	7N3181	CLAMP ASSEM. -----	1
13	7N2873	LINE ASSEM. ----- (no. 3) -----	1
14	7N2872	LINE ASSEM. ----- (no. 2) -----	1
15	7N2877	CLAMP ----- (tapped) -----	1
16	7N2878	CLAMP -----	1
17	6N5124	CLAMP ----- (tapped) -----	1
18	7N2871	LINE ASSEM. ----- (no. 1) -----	1
19	1B4203	NUT -----	3
20	2H3934	SEAL -----	1
21	2A5546	BOLT -----	2
22	5P537	WASHER -----	2
23	6N4682	BRACKET -----	1
24	2B2695	BOLT -----	2
25	9M1974	WASHER -----	2
26	51619	BOLT -----	2
27	5M2894	WASHER -----	3
28	4N4057	ADAPTER -----	1
29	5M6214	PLUG -----	1
	6N5125	CLAMP -----	3
C 28	4F7957	BOLT ----- 2.2cm (.875 in.) long -----	2
29	3B4504	LOCKWASHER -----	17

C INDICATES CHANGE

221034

7N7145 FUEL INJECTION LINES GROUP
Serial No. 66D26832 to 66D34326 inclusive
Refer to Page 238 for Fuel Injection Valve Group

7N7145 FUEL INJECTION LINES GROUP
 Serial No. 66D34327—Up
 Refer to Page 238 for Fuel Injection Valve Group

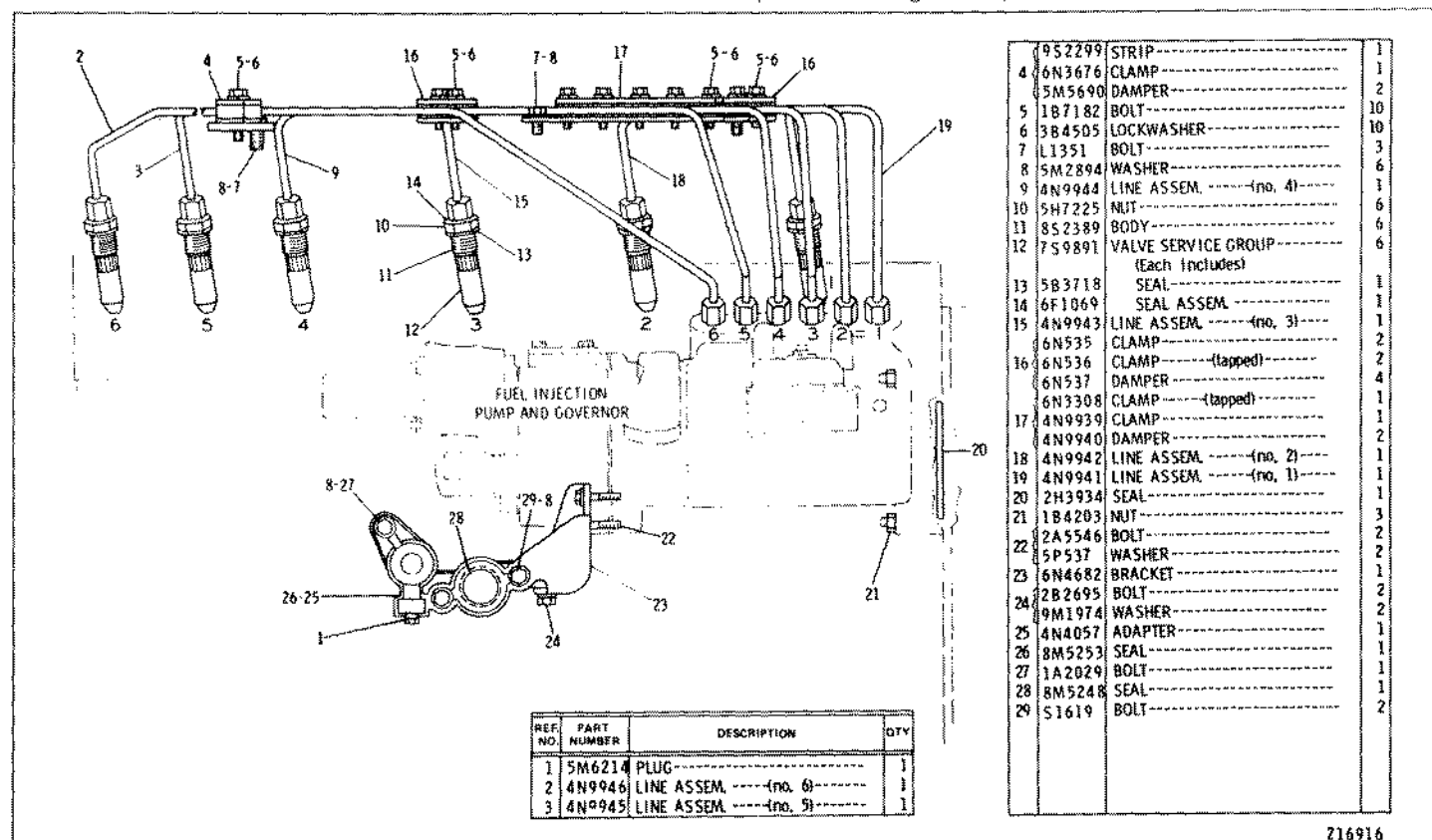


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7N4417	CLAMP ASSEM.-----	1
2	8M5253	SEAL-----	1
3	1A2029	BOLT-----	1
4	3J5389	PLUG-----	1
5	8M5248	SEAL-----	1
6	7N4426	LINE ASSEM.----- (no. 6)-----	1
7	7N4425	LINE ASSEM.----- (no. 5)-----	1
8	6N6403	CLAMP----- (tapped)-----	8
9	6N6404	CLAMP-----	8
10	S1615	BOLT-----1.91 cm (.75 in.) long-----	15
11	7N2874	LINE ASSEM.----- (no. 4)-----	1
12	7N3181	CLAMP ASSEM.-----	1
13	7N2873	LINE ASSEM.----- (no. 3)-----	1
14	7N2872	LINE ASSEM.----- (no. 2)-----	1
15	7N2877	CLAMP----- (tapped)-----	1
16	7N2878	CLAMP-----	1
17	6N5124	CLAMP----- (tapped)-----	2
18	7N2871	LINE ASSEM.----- (no. 1)-----	1
19	1B4203	NUT-----	3
20	2H3934	SEAL-----	1
21	2A5546	BOLT-----	2
22	5P537	WASHER-----	2
23	6N4682	BRACKET-----	1
24	2B2695	BOLT-----	2
25	9M1974	WASHER-----	2
26	S1619	BOLT-----	2
27	5M2894	WASHER-----	3
28	4N4057	ADAPTER-----	1
29	5M6214	PLUG-----	1
30	6N5125	CLAMP-----	2
31	4F7957	BOLT-----2.2cm (.875 in.) long-----	2
32	3B4504	LOCKWASHER-----	17

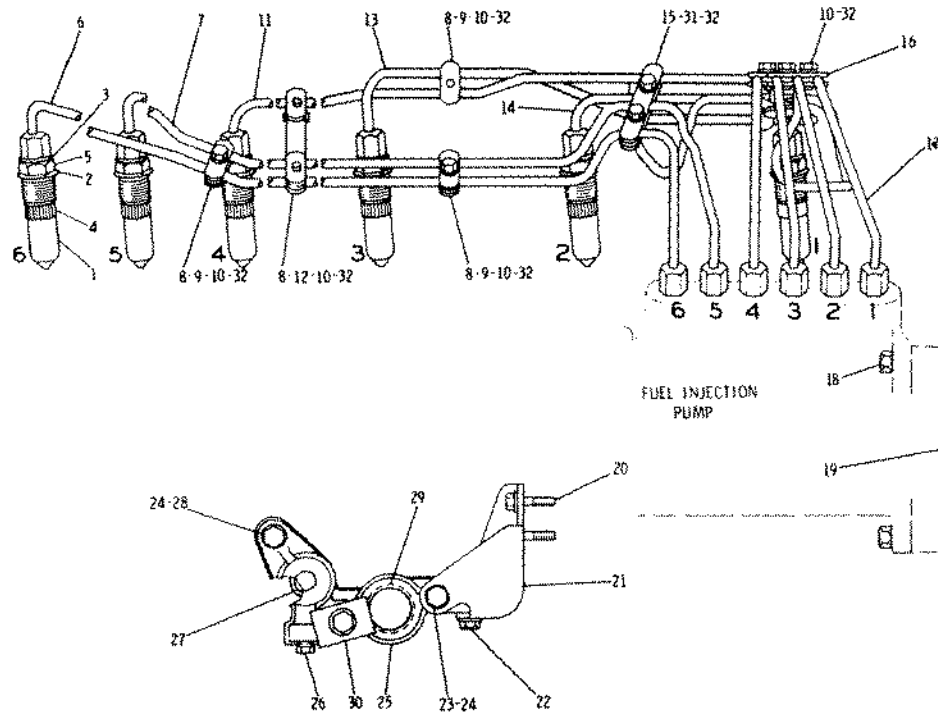
C INDICATES CHANGE

225550

7N3987 FUEL INJECTION LINES GROUP
Part of 6N1302 & 8N865 Manifold Shield Groups shown on Pages 135A, 135B & 135D



216916



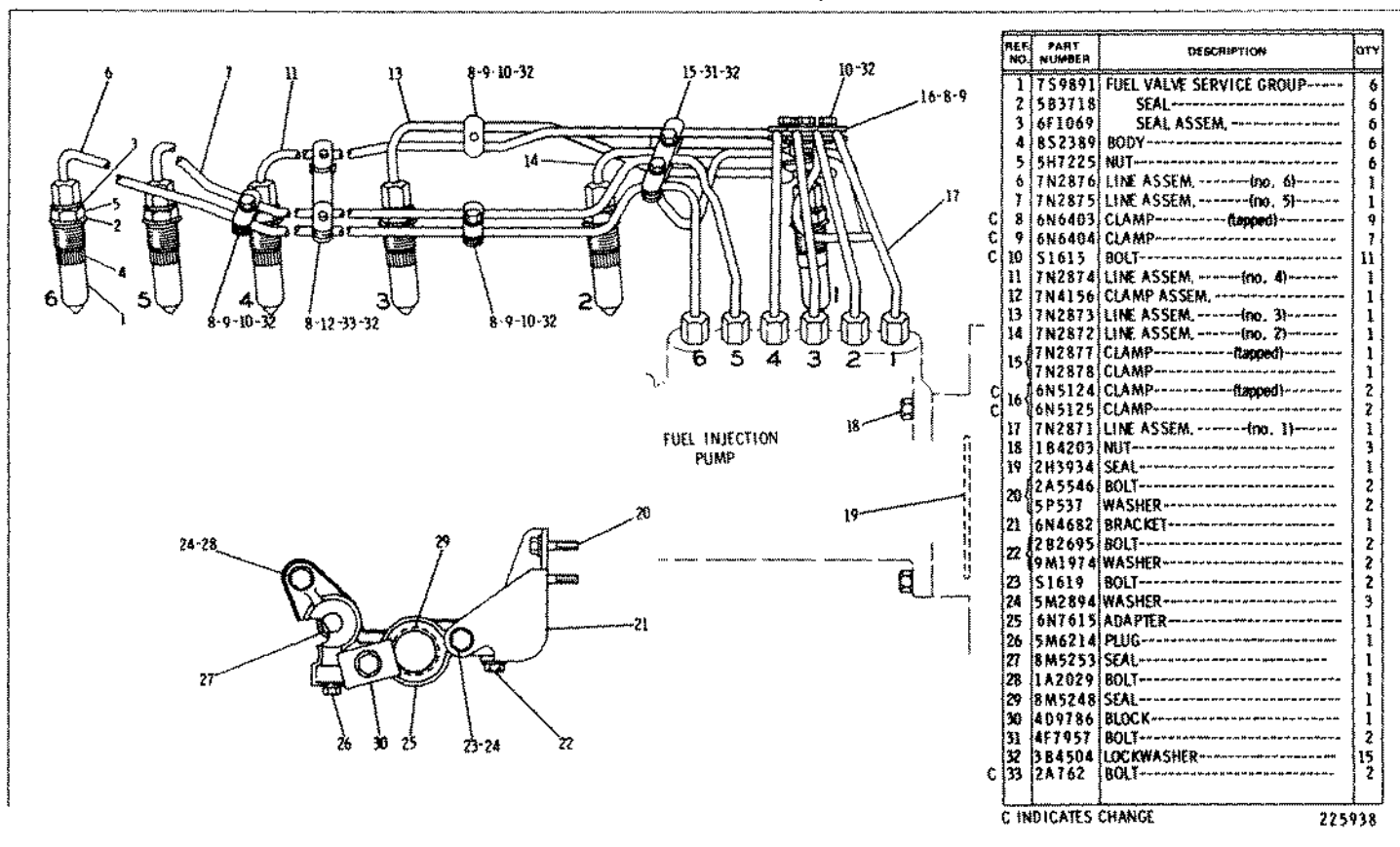
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7S9891	FUEL VALVE SERVICE GROUP-----	6
2	5B3718	SEAL-----	6
3	6F1069	SEAL ASSEM.-----	6
4	8S2389	BODY-----	6
5	5H7225	NUT-----	6
6	7N2876	LINE ASSEM.----- (no. 6)-----	1
7	7N2875	LINE ASSEM.----- (no. 5)-----	1
8	6N6403	CLAMP----- (tapped)-----	7
9	6N6404	CLAMP-----	5
10	51615	BOLT-----	13
11	7N2874	LINE ASSEM.----- (no. 4)-----	1
12	7N4156	CLAMP ASSEM.-----	1
13	7N2873	LINE ASSEM.----- (no. 3)-----	1
14	7N2872	LINE ASSEM.----- (no. 2)-----	1
15	7N2877	CLAMP----- (tapped)-----	1
16	7N2878	CLAMP-----	1
17	6N5124	CLAMP----- (tapped)-----	3
18	6N5125	CLAMP-----	3
19	7N2871	LINE ASSEM.----- (no. 1)-----	1
20	1B4203	NUT-----	3
21	2H3934	SEAL-----	1
22	2A5546	BOLT-----	2
23	5P537	WASHER-----	2
24	6N4682	BRACKET-----	1
25	2B2695	BOLT-----	2
26	9M1974	WASHER-----	2
27	51619	BOLT-----	2
28	5M2894	WASHER-----	3
29	6N7615	ADAPTER-----	1
30	5M6214	PLUG-----	1
31	8M5253	SEAL-----	1
32	1A2029	BOLT-----	1
	8M5248	SEAL-----	1
	4D9786	BLOCK-----	1
	4F7957	BOLT-----	2
	3B4504	LOCKWASHER-----	15

C INDICATES CHANGE

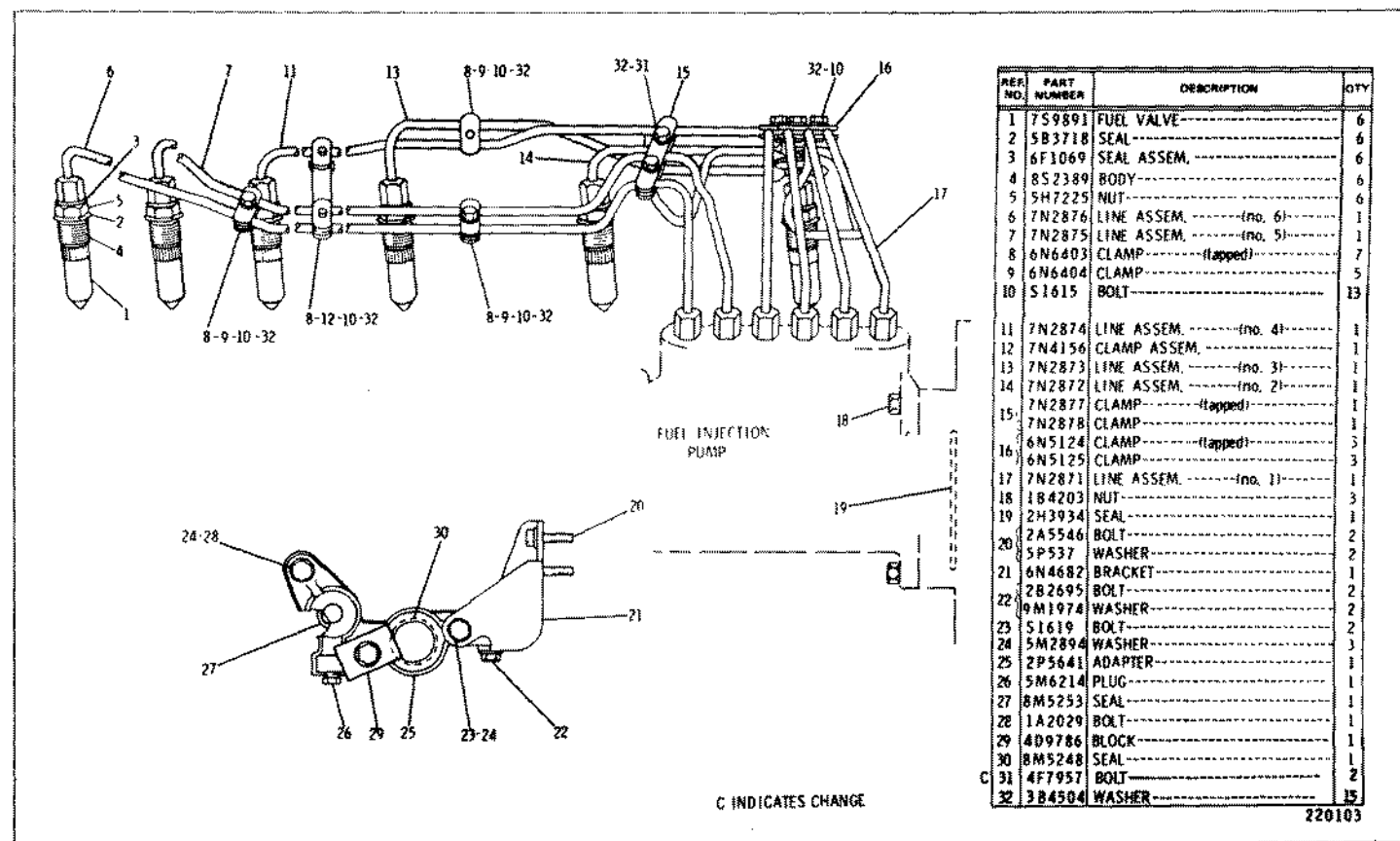
221113

7N5588 FUEL INJECTION LINES GROUP
Serial No. 66D26832 to 66D34316 inclusive

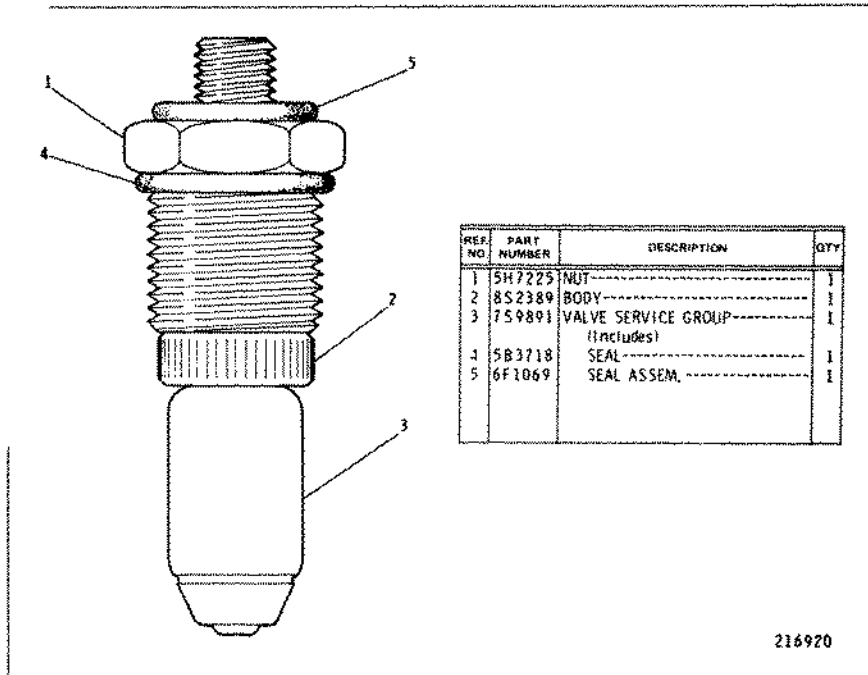
7N5588 FUEL INJECTION LINES GROUP
Serial No. 66D34317—Up



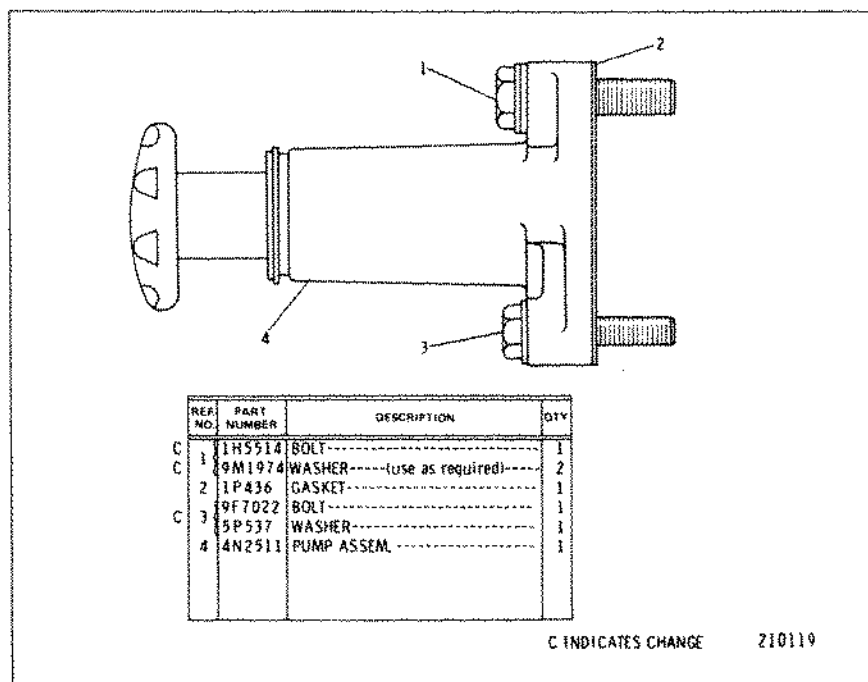
7N4016 FUEL INJECTION LINES GROUP



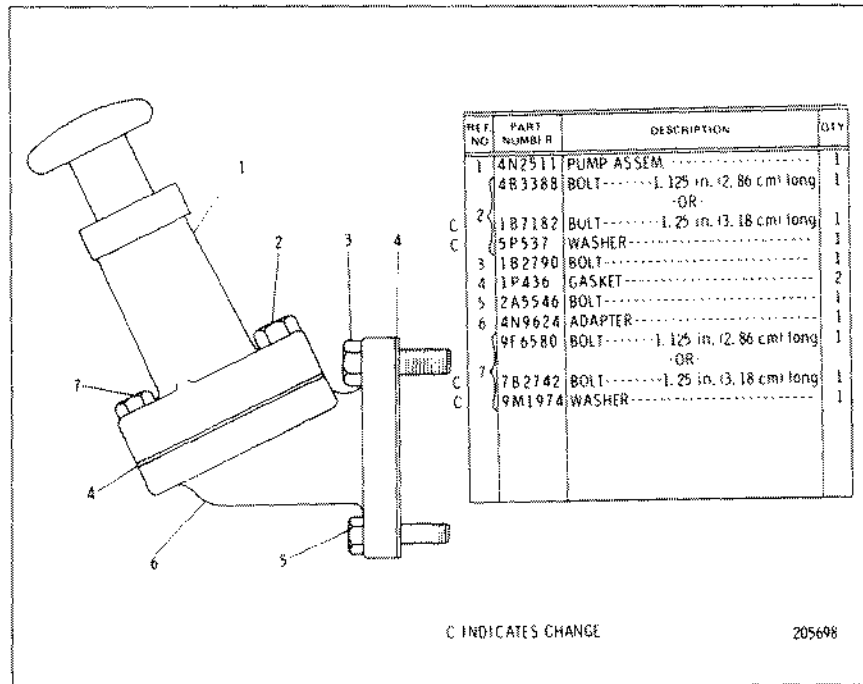
CATERPILLAR 3306



7N7125 FUEL INJECTION VALVE GROUP
Used with 7N7145 Fuel Injection Lines Group shown on Page 234



4N4314 FUEL PRIMING PUMP GROUP



4N9625 FUEL PRIMING PUMP GROUP

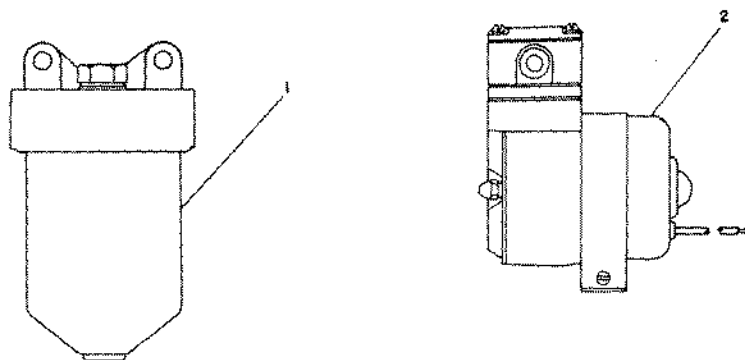
CONSISTS OF:

PAGE

- | | | | |
|---|--------|---------------------------------|------|
| 1 | 8H4681 | PRIMARY FUEL FILTER GROUP | 238B |
| 1 | 6N6 | FUEL PUMP ASSEMBLY | |
| 1 | | FORM SMHS7468 | |

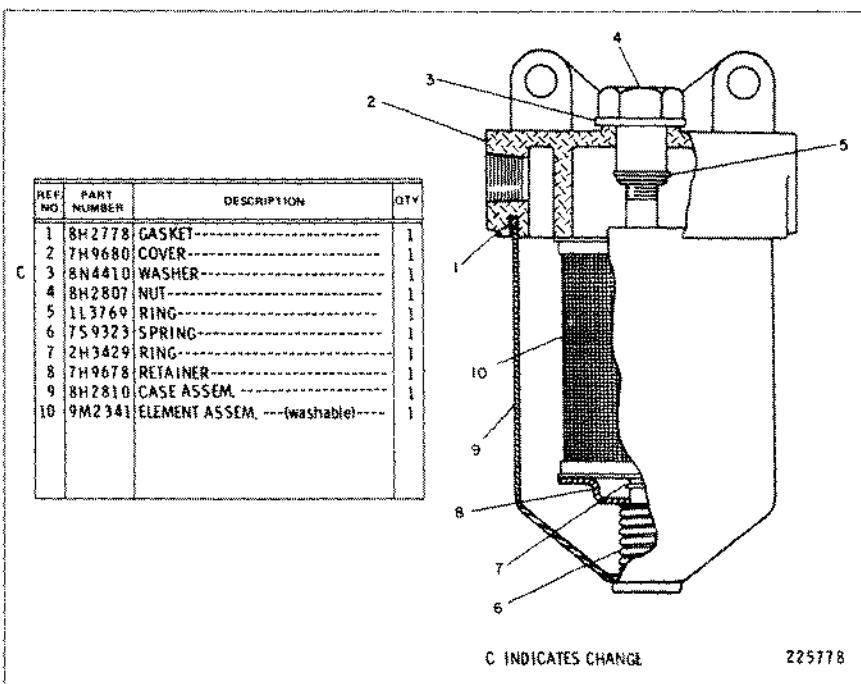
238B

CATERPILLAR 3306 INDUSTRIAL ENGINE



REF NO	PART NUMBER	DESCRIPTION	QTY
1	8H4681	FILTER GROUP----- (Separate Illustration)	1
2	9N5459	PUMP ASSEM.-----	1
5	MHS7468	FORM--(Installation Instructions)	

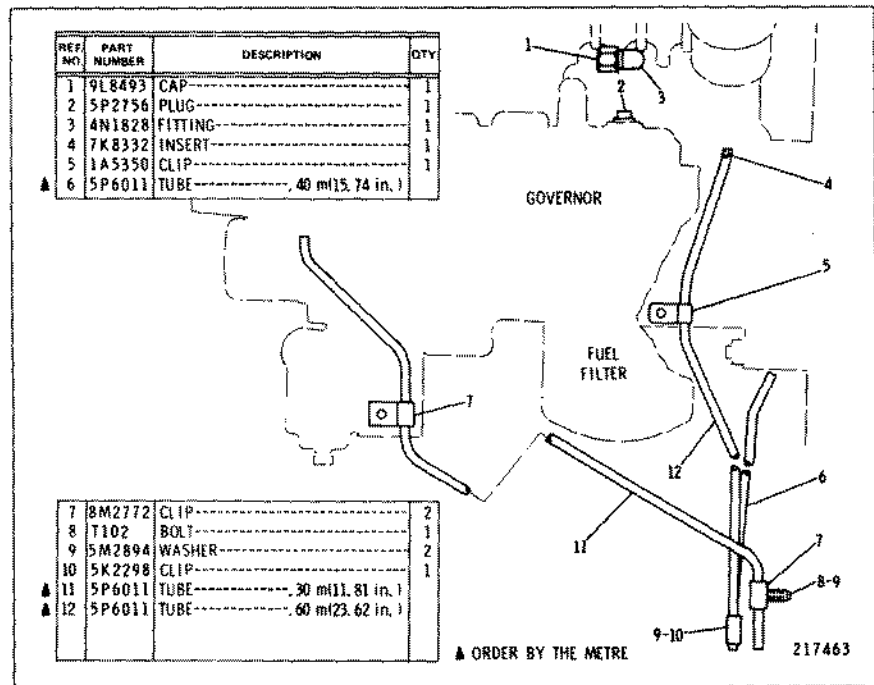
221653

9N5458 ELECTRICAL FUEL PUMP GROUP—Boost—12 Volt
Field Installation

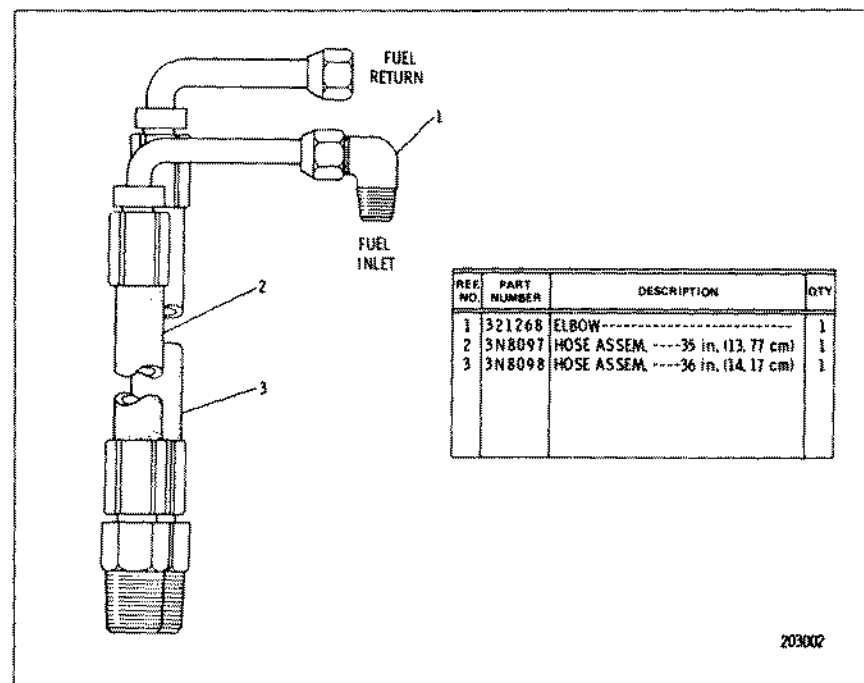
225778

8H4681 PRIMARY FUEL FILTER GROUP

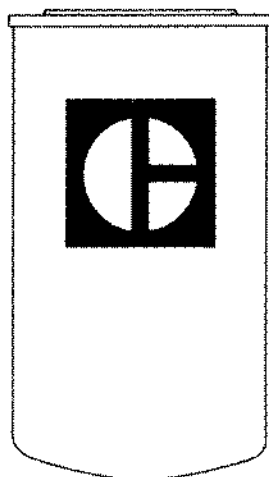
Group shown on Pages 238A & 238B



9N3273 DRAIN LINES GROUP

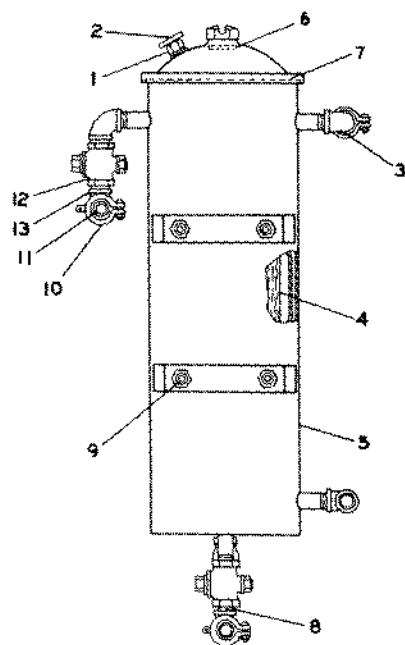


9N3273 FLEXIBLE FUEL OIL LINES GROUP



208065

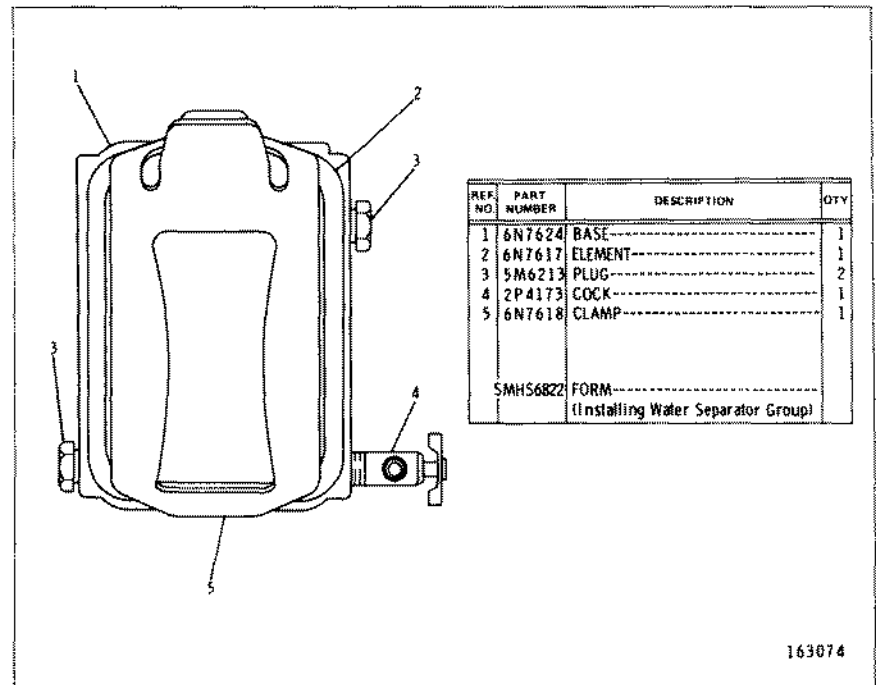
1P2299 FUEL FILTER ASSEMBLY



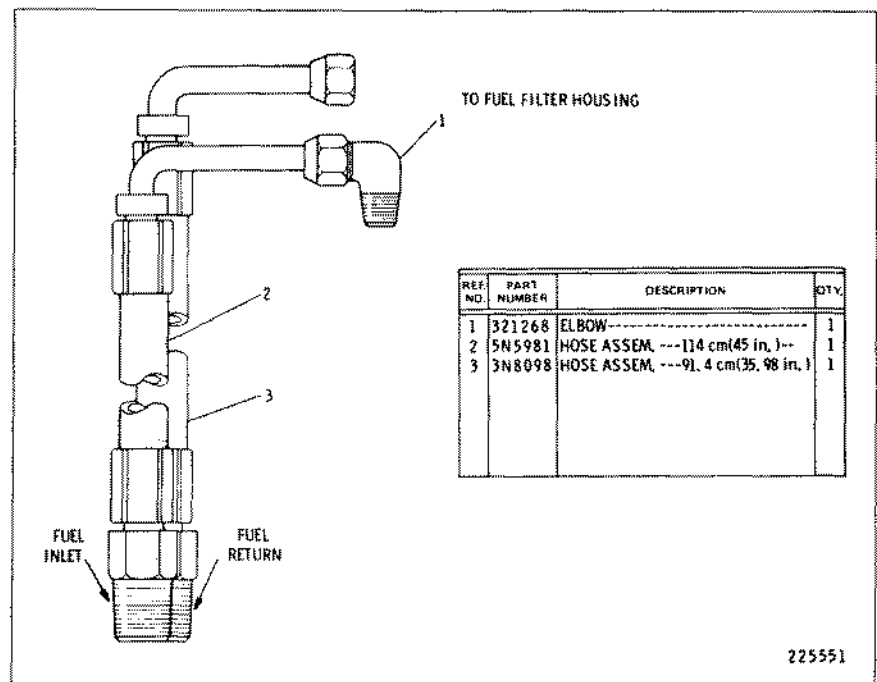
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	2A1927	VALVE ASSEM.	1
	2A5779	SEAT	1
2	11213	GASKET	1
3	3B6496	ELBOW	2
4	2H7254	ELEMENT	2
5	2N2045	HOUSING ASSEM.	1
6	5F1678	SEAL	2
7	3H1778	GASKET	1
8	3B7744	NIPPLE	4
	11351	BOLT	4
9	1D4717	NUT	4
	3B4506	LOCKWASHER	4
10	2N2046	COUPLING ASSEM.	3
11	2N2047	PIPE	6
12	2H5869	COCK	3
13	5B8979	TEE	3
	3J5389	PLUG	3
		(Not Shown - Use As Required)	

112510

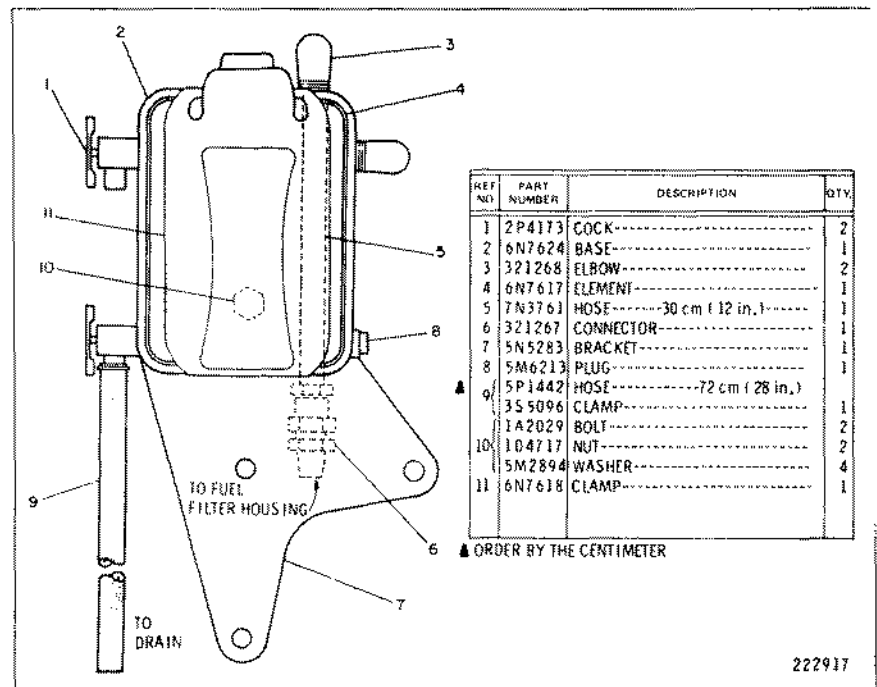
2N2048 CRUDE FUEL FILTER GROUP
AN ATTACHMENT



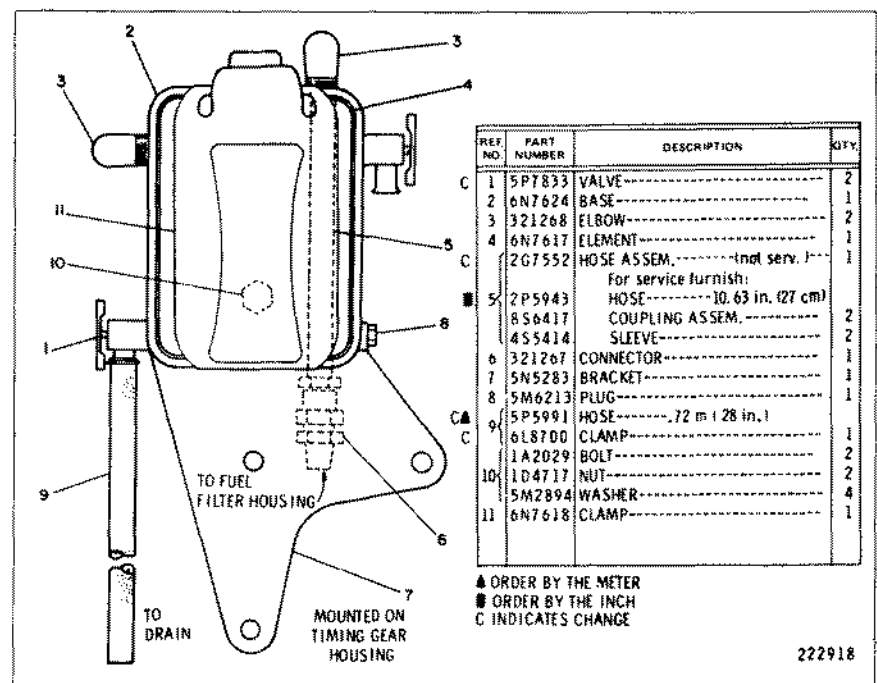
7N950 WATER SEPARATOR GROUP
AN ATTACHMENT



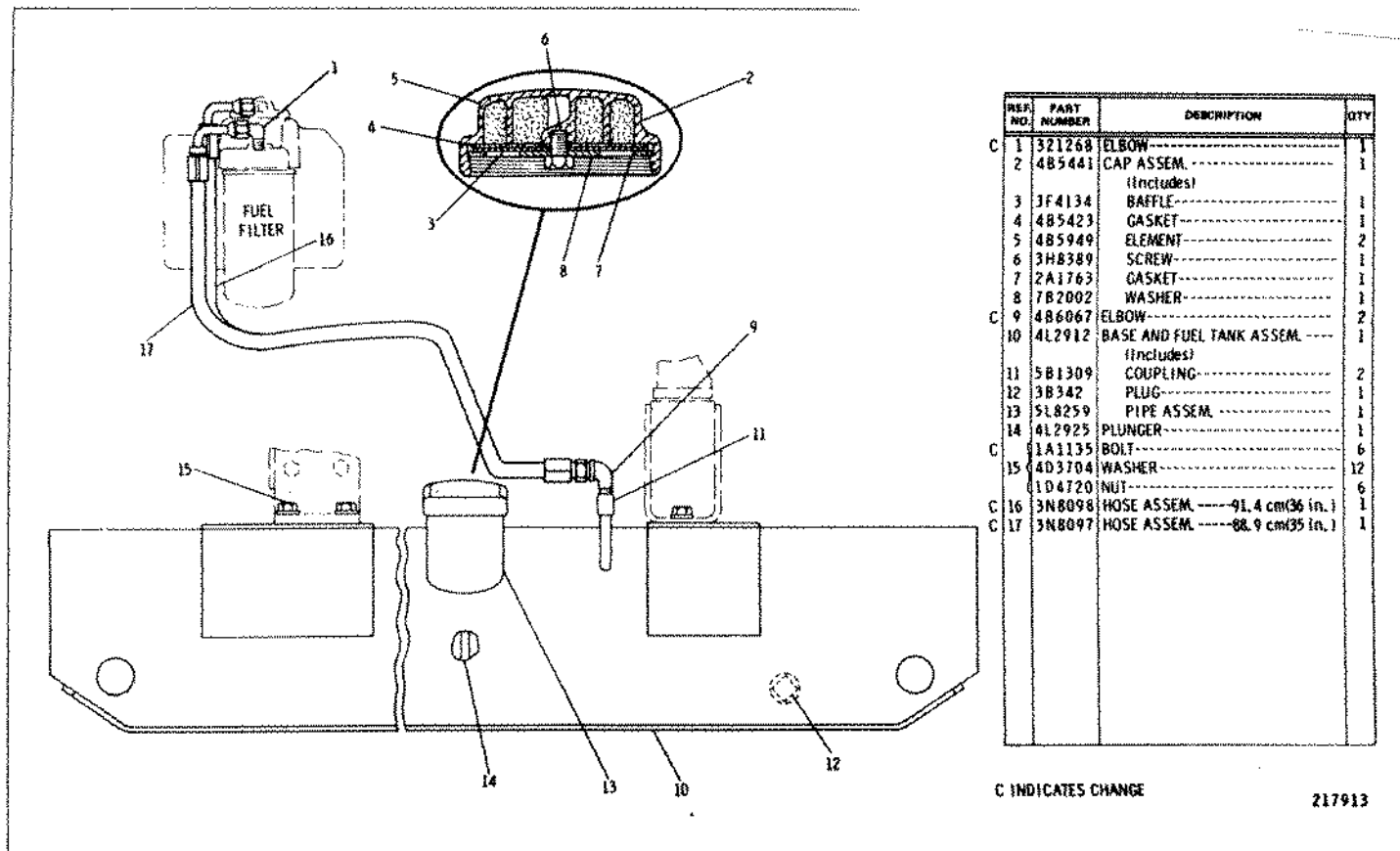
5N5997 FLEXIBLE FUEL OIL LINES GROUP
FOR USE WITH 5N5284 SEPARATOR GROUP SHOWN ON PAGE 241R



5N5284 WATER SEPARATOR GROUP—Type 1
AN ATTACHMENT



5N5284 WATER SEPARATOR GROUP—Type 2
AN ATTACHMENT

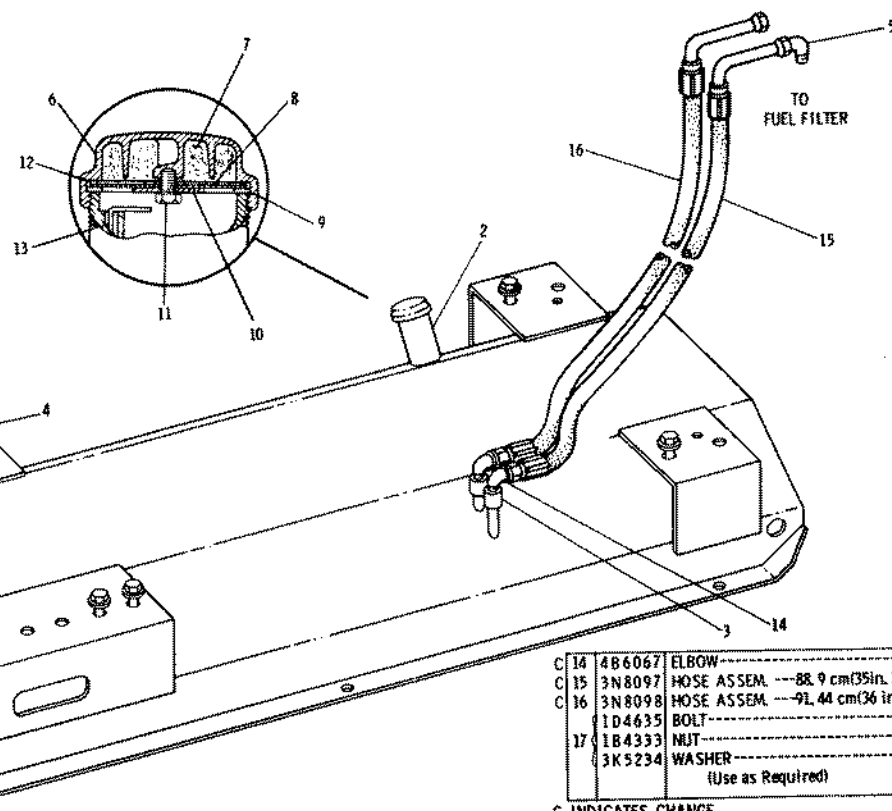


3N8066 FUEL TANK AND BASE GROUP—Short Base
FOR USE WITH GENERATOR SET
AN ATTACHMENT

CATERPILLAR 330C

3N8067 FUEL TANK AND BASE GROUP—Long Base
FOR USE WITHOUT HOOD AND DASH
AN ATTACHMENT

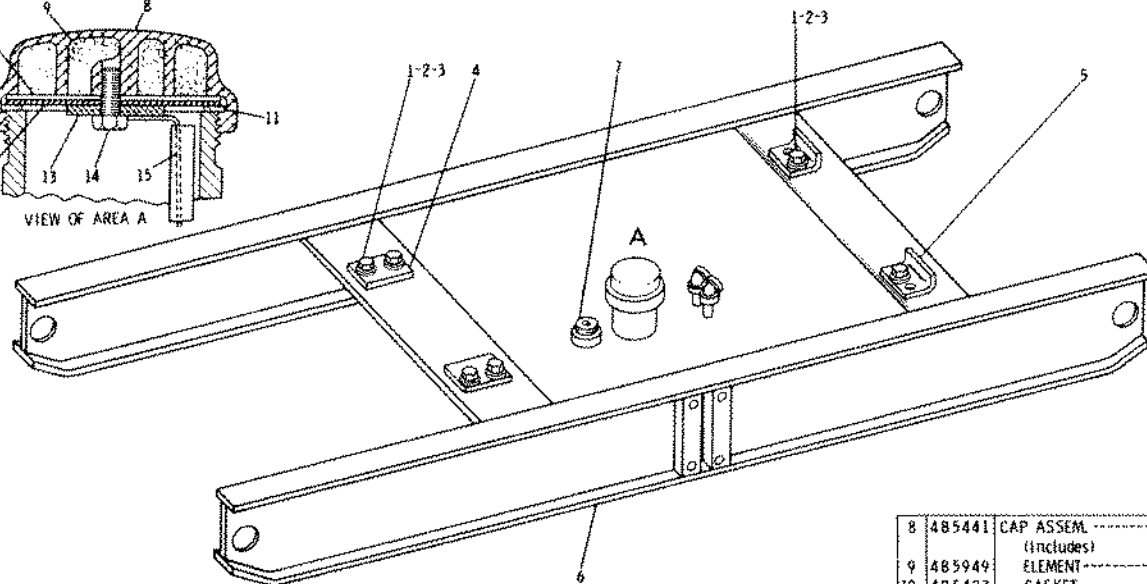
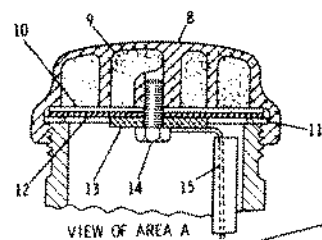
REF NO.	PART NUMBER	DESCRIPTION	QTY
	2N6326	BASE AND FUEL TANK ASSEM. ---	1
1		(Includes)	
	3B342	PLUG-----	1
C 2	5N1679	PIPE ASSEM. ---	1
3	5B1309	COUPLING-----	2
C 4	1A1135	BOLT-----	6
	1D4720	NUT-----	6
	4D3704	WASHER-----	12
5	321268	ELBOW-----	1
6	4B5441	CAP ASSEM. ---	1
		(Includes)	
7	4B5949	ELEMENT-----	2
8	3F4134	BAFFLE-----	1
9	2A1763	GASKET-----	1
10	7B2002	WASHER-----	1
11	3H8389	SCREW-----	1
12	4B5423	GASKET-----	1
13	6L8860	PLUNGER-----	1



C 14	4B6067	ELBOW-----	2
C 15	3N8097	HOSE ASSEM. ---88.9 cm(35in.)	1
C 16	3N8098	HOSE ASSEM. ---91.44 cm(36 in.)	1
	1D4635	BOLT-----	4
17	1B4333	NUT-----	4
	3K5234	WASHER-----	8
		(Use as Required)	

C INDICATES CHANGE

217912



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	S1625	BOLT	6
2	1D4720	NUT	6
3	5P8247	WASHER	12

4	9D6943	PLATE	2
5	5N2354	PLATE	2
6	5N2160	BASE ASSEM. (Includes)	1
7	7B9665	PLUG	1

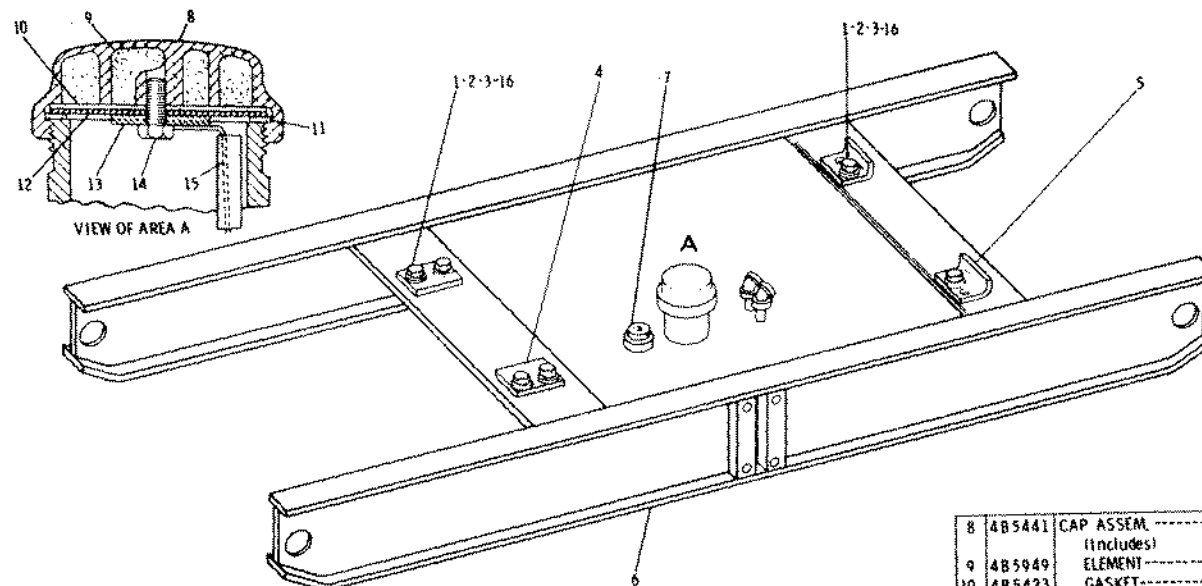
8	4B5441	CAP ASSEM. (Includes)	1
9	4B5949	ELEMENT	2
10	4B5423	GASKET	1
11	2A1763	GASKET	1
12	3F4134	BAFFLE	1
13	7B2002	WASHER	1
14	3H8389	SCREW	1
15	5N2004	PLUNGER	1

217893

5N2161 FUEL TANK AND BASE GROUP—363 liters—Type 1
FOR USE WITH PACKAGED GENERATORS
CANNOT BE USED WITH 5N4, 5N20, 5N21 AND 5N22 GENERATORS
AN ATTACHMENT

CATERPILLAR 3300 HPI

5N2161 FUEL TANK AND BASE GROUP—363 liters—Type 2
FOR USE WITH PACKAGED GENERATORS
CANNOT BE USED WITH 5N4, 5N20, 5N21 AND 5N22 GENERATORS
AN ATTACHMENT



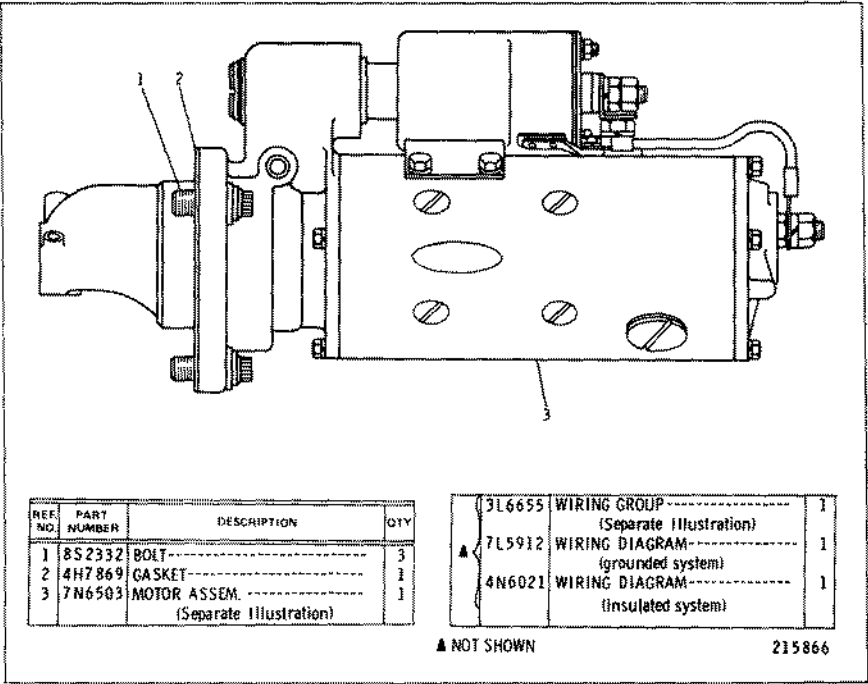
REF NO	PART NUMBER	DESCRIPTION	QTY
1	51625	BOLT	6
2	104720	NUT	6
			12

4	9D6943	PLATE	2
5	5N2354	PLATE	2
6	5N2160	BASE ASSEM. (includes)	1
7	7B9665	PLUG	1

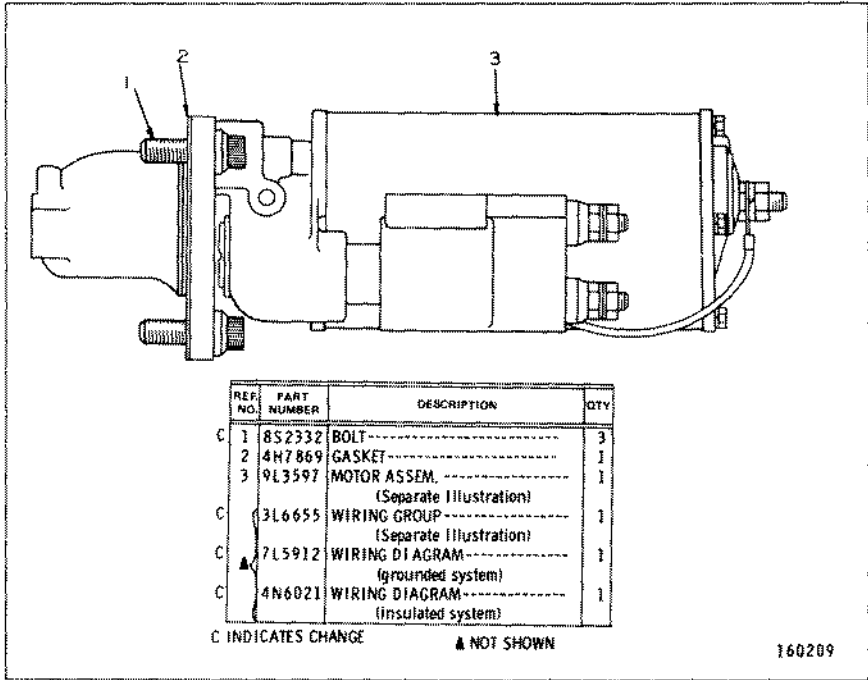
8	4B5441	CAP ASSEM. (includes)	1
9	4B5949	ELEMENT	2
10	4B5423	GASKET	1
11	2A1763	GASKET	1
12	3F4134	BAFFLE	1
13	7B2002	WASHER	1
14	3H8389	SCREW	1
15	5N5175	PLUNGER	1
16	2H5972	SHIM	6

▲ USE AS REQUIRED

172280

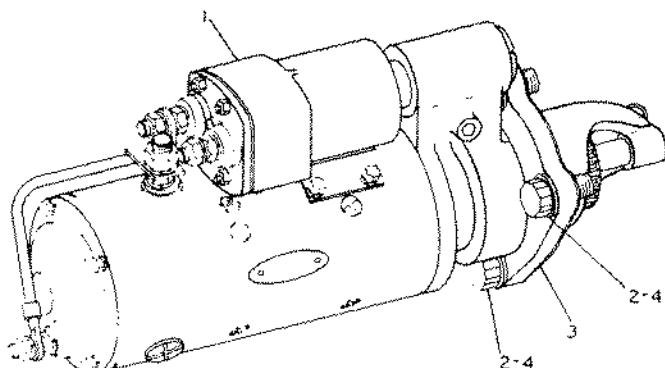


7N6504 ELECTRIC STARTING MOTOR GROUP—12 Volt
FOR USE WITH S.A.E. NO. 1 FLYWHEEL HOUSING
7N6503 Motor and 3L6655 Wiring parts are shown on Pages 250, 251, 252 and 262
AN ATTACHMENT



9L5066 ELECTRIC STARTING MOTOR GROUP—12 Volt

CATERPILLAR 3306 INDUSTRIAL



REF. NO.	PART NUMBER	DESCRIPTION	QTY
	4N3181	MOTOR GROUP-- (Includes)	1
1	4N3182	MOTOR-- -OR-	1
	4N7752	MOTOR (Separate Illustration)	1

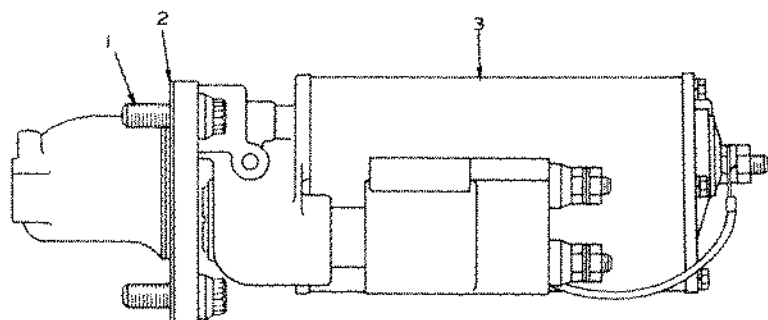
▲ NOT SHOWN

2	852332	BOLT	3
3	4H7869	GASKET	1
4	4D3704	WASHER	3
	3L6655	WIRING GROUP-- (Separate Illustration)	1
▲	7L5912	WIRING DIAGRAM-- (Grounded System)	1
	4N6021	WIRING DIAGRAM-- (Insulated System)	1

C INDICATES CHANGE

222400

7N6505 ELECTRIC STARTING MOTOR GROUP--24 Volt
FOR USE WITH S.A.E. NO. 1 FLYWHEEL HOUSING
4N3182, 4N7752 Motor and 3L6655 Wiring parts shown on Pages 253
through 257 and 262. AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	852332	BOLT	3
2	4H7869	GASKET	1
3	25900	MOTOR ASSEM.-- (Separate Illustration)	1

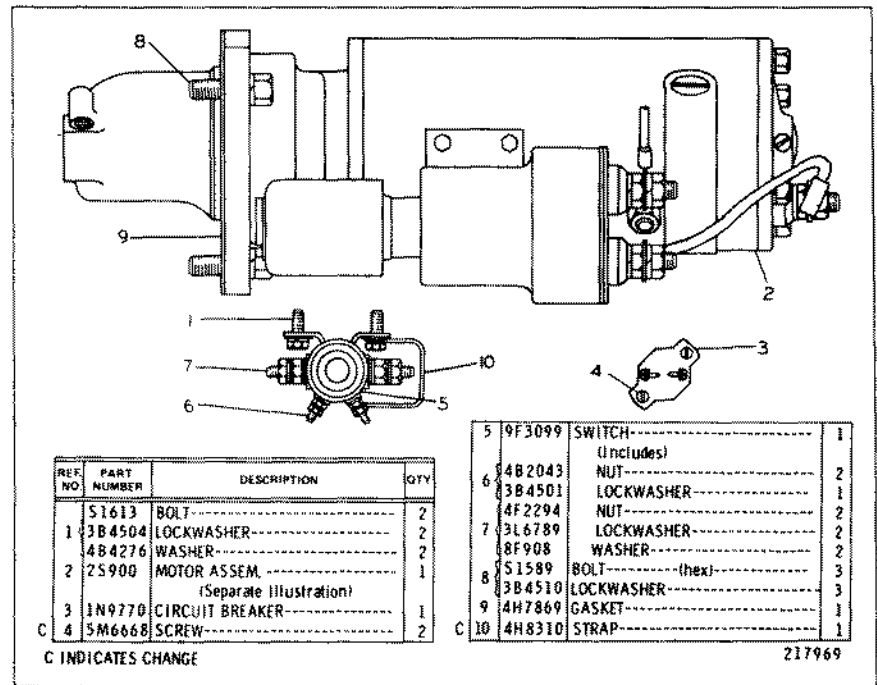
	3L6655	WIRING GROUP-- (Separate Illustration)	1
▲	7L5912	WIRING DIAGRAM-- (Grounded System)	1
	4N6021	WIRING DIAGRAM-- (Insulated System)	1

▲ NOT SHOWN

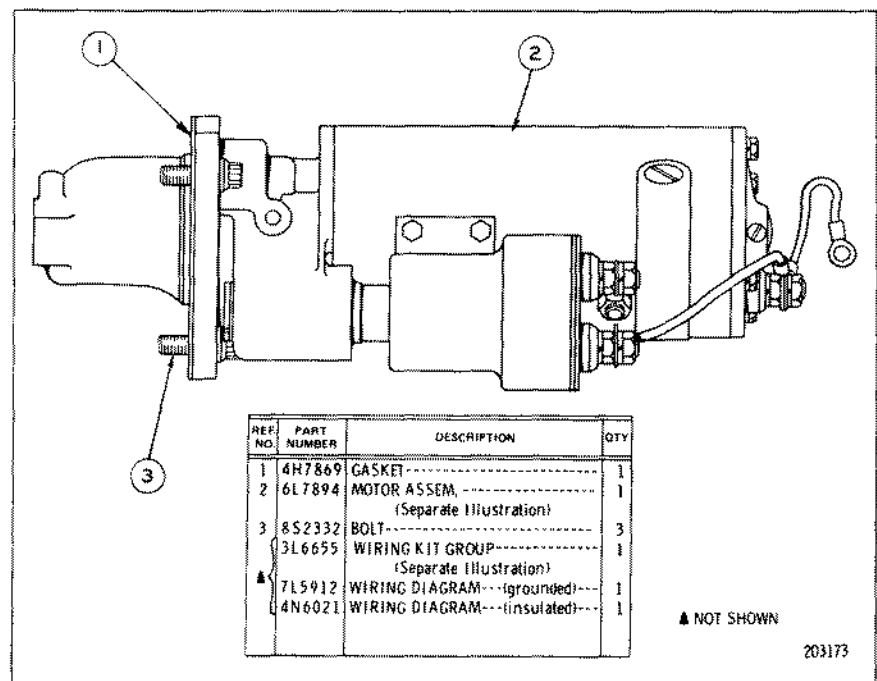
C INDICATES CHANGE

204343

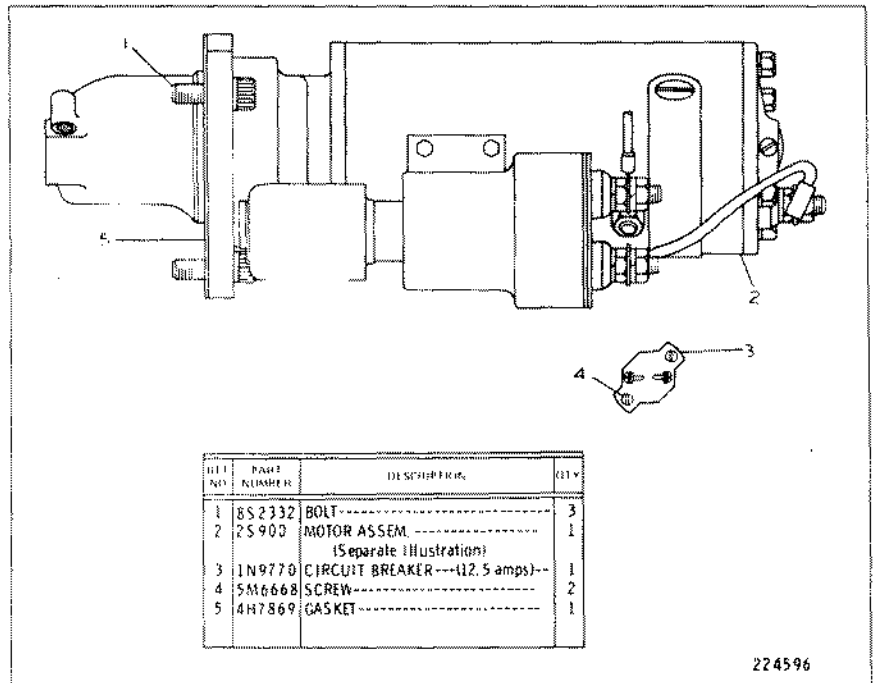
9L5065 ELECTRIC STARTING MOTOR GROUP--24 Volt
FOR USE WITH S.A.E. NO. 2 FLYWHEEL HOUSING
Parts are shown on Pages 258, 259



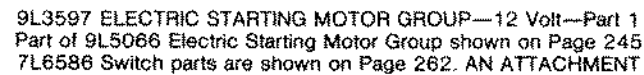
3N519 STARTING MOTOR GROUP—24 Volt
 2S900 Motor parts are shown on Pages 258 and 259
 Refer to Chart shown on Page 269 for usage. AN ATTACHMENT



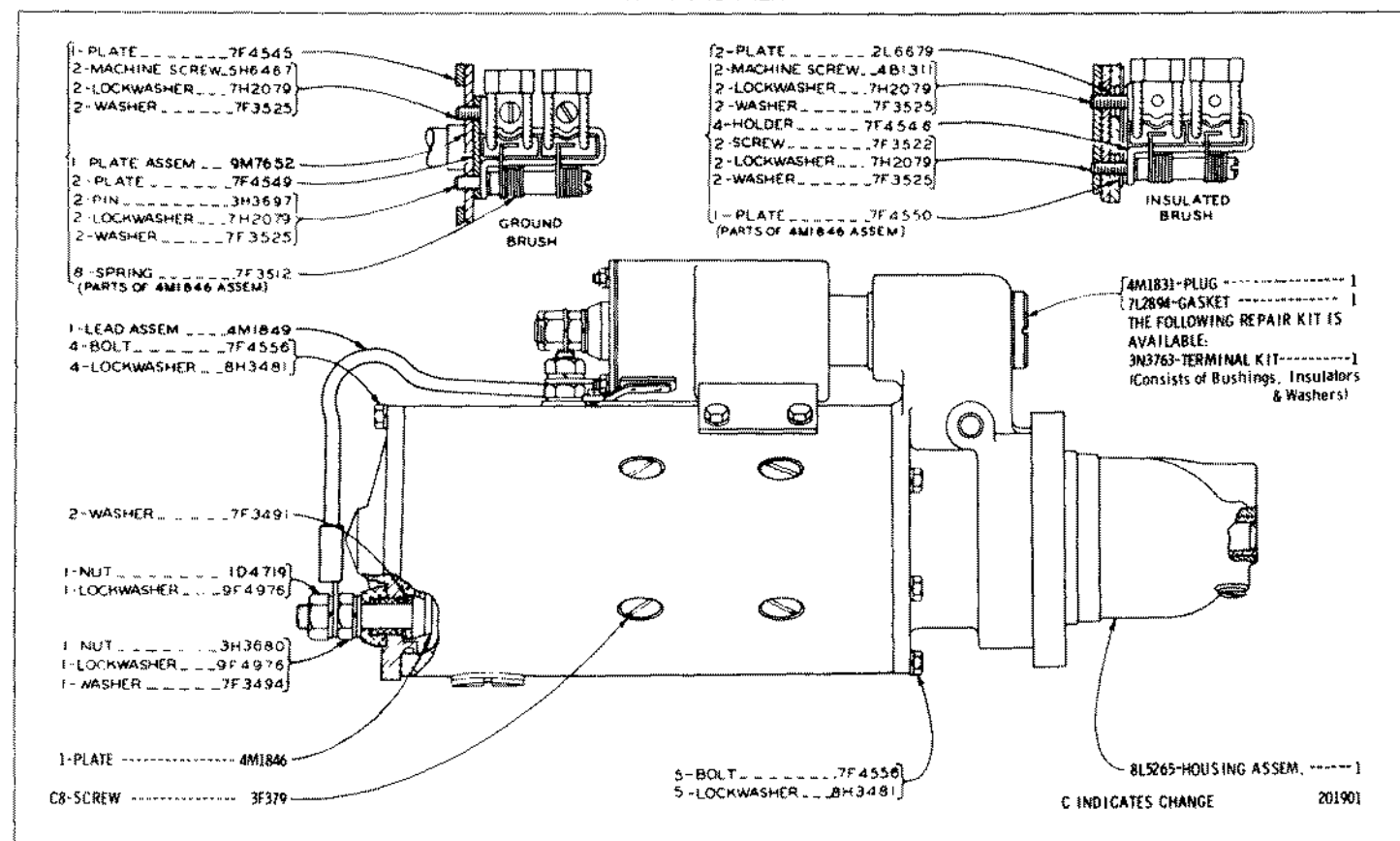
4N4779 ELECTRIC STARTING MOTOR GROUP—32 Volt



5N4799 ELECTRIC STARTING MOTOR GROUP—24 Volt
 FOR USE WITH FIRE PUMP ENGINES SHOWN ON PAGES 37N & 37P
 2S900 Motor parts are shown on Pages 258 & 259. AN ATTACHMENT

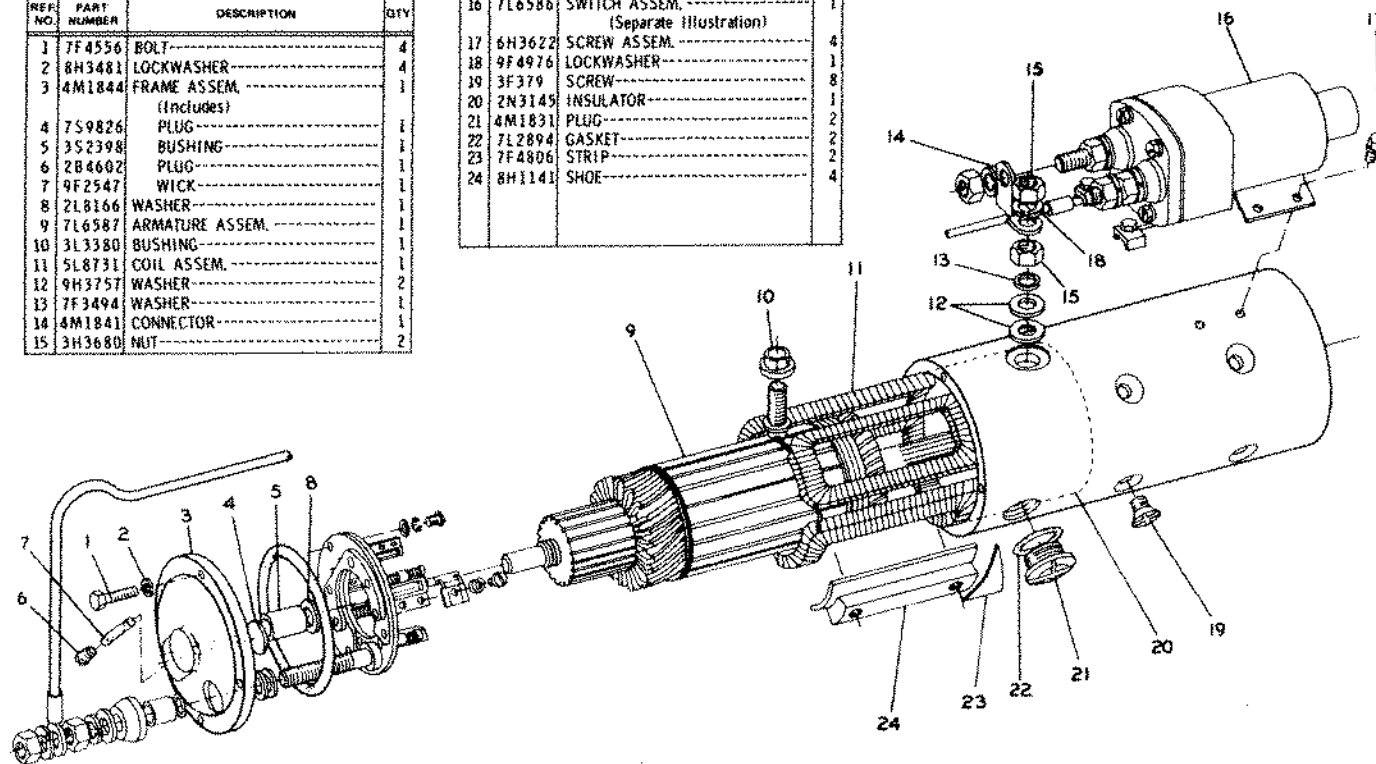


9L3597 ELECTRIC STARTING MOTOR GROUP—12 Volt—Part 2
Part of 9L5066 Electric Starting Motor Group shown on Page 245
AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	7F4556	BOLT	4
2	8H3481	LOCKWASHER	4
3	4M1844	FRAME ASSEM. (Includes)	1
4	7S9826	PLUG	1
5	3S2398	BUSHING	1
6	2B4602	PLUG	1
7	9F2547	WICK	1
8	2L8166	WASHER	1
9	7L6587	ARMATURE ASSEM.	1
10	3L3380	BUSHING	1
11	5L8731	COIL ASSEM.	1
12	9H3757	WASHER	2
13	7F3494	WASHER	1
14	4M1841	CONNECTOR	1
15	3H3680	NUT	2

16	7L6586	SWITCH ASSEM. (Separate Illustration)	1
17	6H3622	SCREW ASSEM.	4
18	9F4976	LOCKWASHER	1
19	3F379	SCREW	8
20	2N3149	INSULATOR	1
21	4M1831	PLUG	2
22	7L2894	GASKET	2
23	7F4806	STRIP	2
24	8H1141	SHOE	4

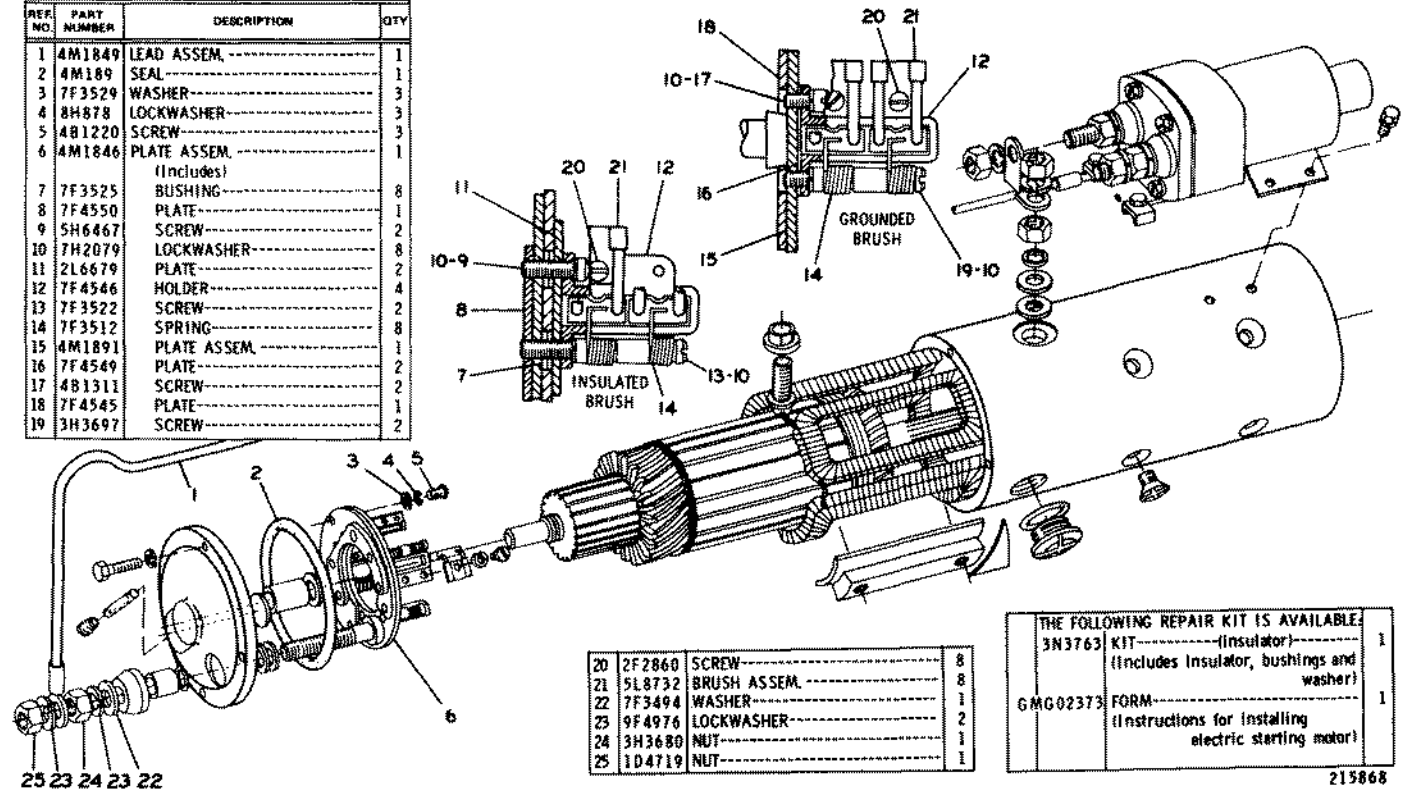


215867

7N6503 ELECTRIC STARTING MOTOR GROUP—12 Volt—Part 1 of 3
 Part of 7N6504 Electric Starting Motor Group shown on Page 245
 7L6586 Switch parts are shown on Page 262
 AN ATTACHMENT

7N6503 ELECTRIC STARTING MOTOR GROUP—12 Volt—Part 2 of 3
Part of 7N6504 Electric Starting Motor Group shown on Page 245
AN ATTACHMENT

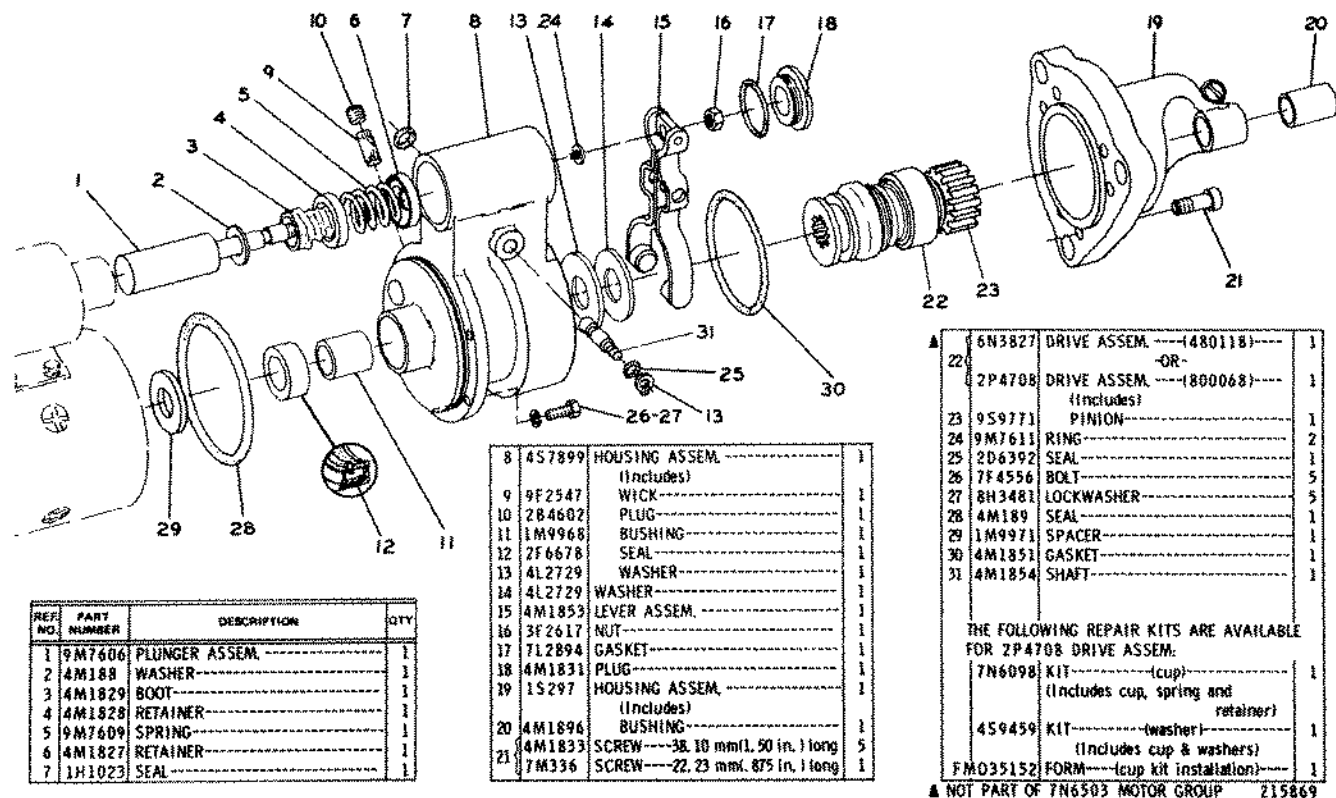
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4M1849	LEAD ASSEM.	1
2	4M189	SEAL	1
3	7F3529	WASHER	3
4	8H878	LOCKWASHER	3
5	4B1220	SCREW	3
6	4M1846	PLATE ASSEM.	1
		(Includes)	
7	7F3525	BUSHING	8
8	7F4550	PLATE	1
9	5H6467	SCREW	2
10	7H2079	LOCKWASHER	8
11	2L6679	PLATE	2
12	7F4546	HOLDER	4
13	7F3522	SCREW	2
14	7F3512	SPRING	8
15	4M1891	PLATE ASSEM.	1
16	7F4549	PLATE	2
17	4B1311	SCREW	2
18	7F4545	PLATE	1
19	3H3697	SCREW	2



20	2F2860	SCREW	8
21	5L8732	BRUSH ASSEM.	8
22	7F3494	WASHER	1
23	9F4976	LOCKWASHER	2
24	3H3680	NUT	1
25	1D4719	NUT	1

THE FOLLOWING REPAIR KIT IS AVAILABLE:			
3N3763	KIT	(insulator)	1
		(Includes insulator, bushings and washer)	
GMG02373	FORM	(Instructions for installing electric starting motor)	1

215868

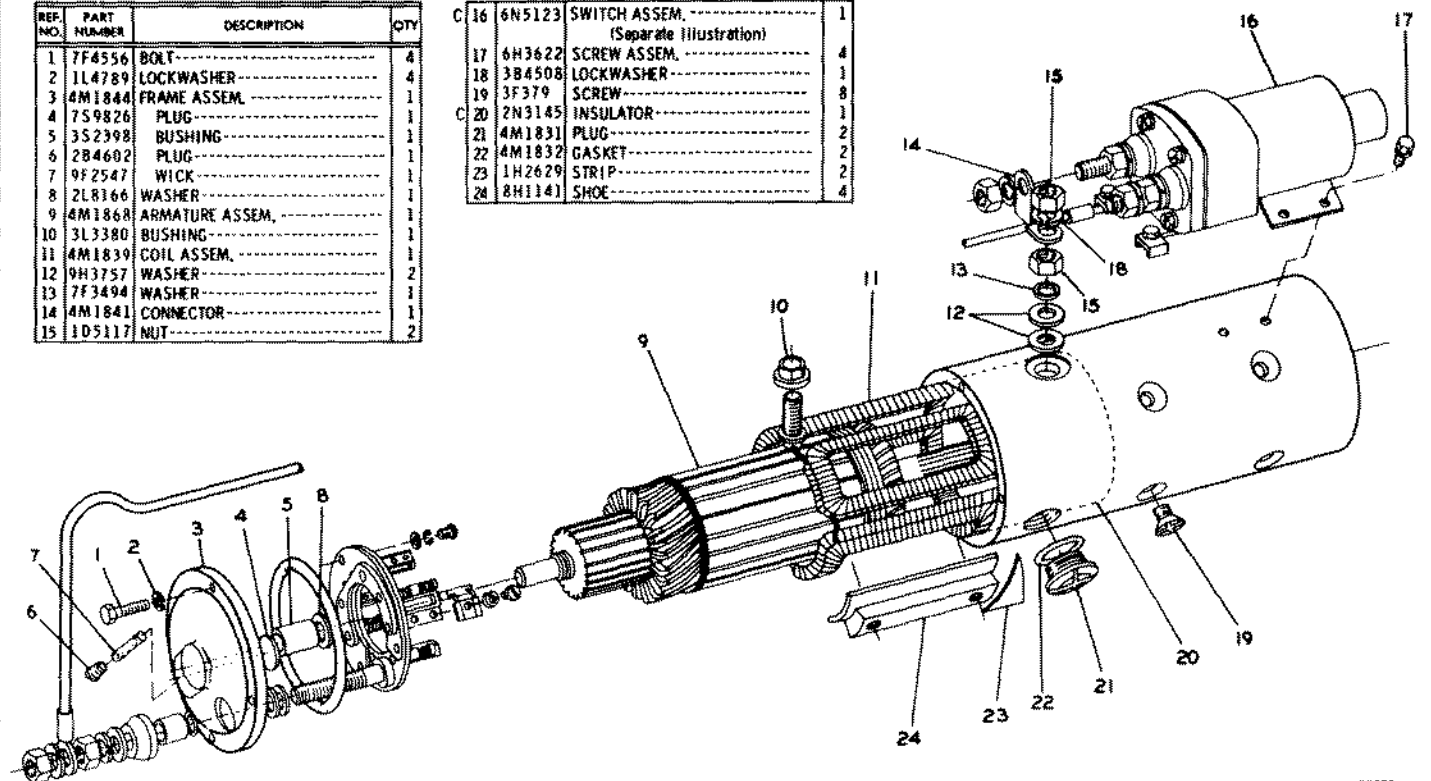


7N6503 ELECTRIC STARTING MOTOR GROUP—12 Volt—Part 3 of 3
Part of 7N6504 Electric Starting Motor Group shown on Page 245
AN ATTACHMENT

4N3182 ELECTRIC STARTING MOTOR GROUP—Delco-Remy—24 Volt—Part 1 of 3
 Part of 7N6505 Electric Starting Motor Group shown on Page 246
 6N5123 Switch parts are shown on Page 263. AN ATTACHMENT

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

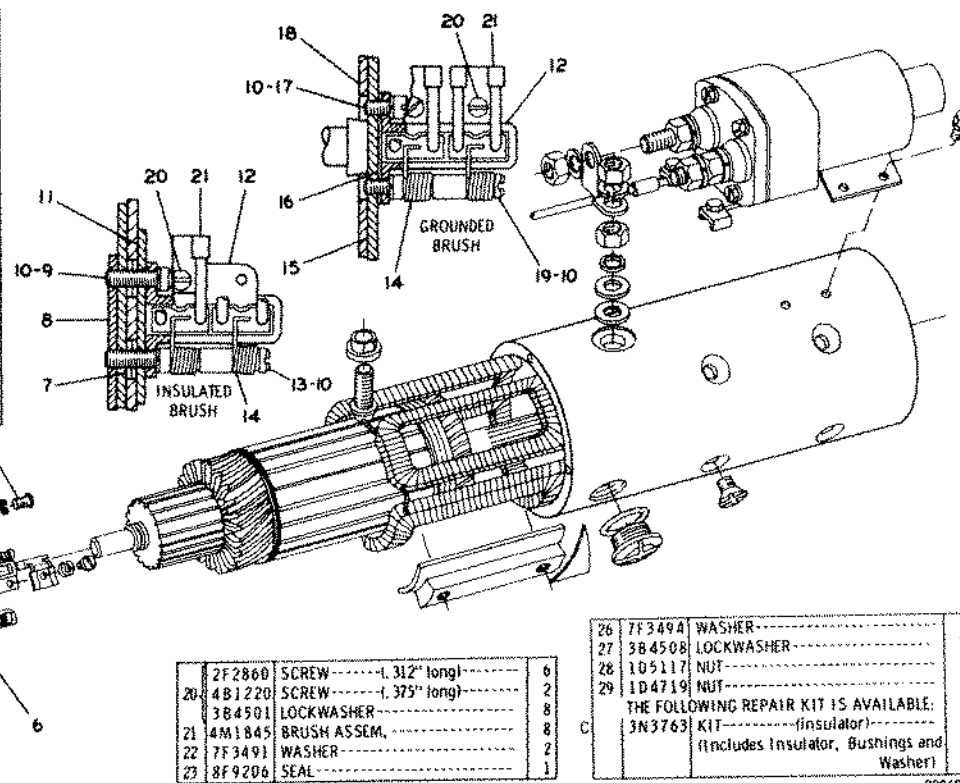
C 16	6N5123	SWITCH ASSEM.-----	1
		(Separate illustration)	
17	6H3622	SCREW ASSEM.-----	4
18	3B4508	LOCKWASHER-----	1
19	3F379	SCREW-----	8
C 20	2N3145	INSULATOR-----	1
21	4M1831	PLUG-----	2
22	4M1832	GASKET-----	2
23	1H2629	STRIP-----	2
24	8H1141	SHOE-----	4



C INDICATES CHANGE

155231

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4M1849	LEAD ASSEM.	1
2	4M189	SEAL	1
3	7F3529	WASHER	3
4	8H878	LOCKWASHER	3
5	4B1221	SCREW	3
6	4M1846	PLATE ASSEM.	1
7	7F3525	BUSHING	8
8	7F4550	PLATE	1
9	5H6467	SCREW	2
10	7H2079	LOCKWASHER	8
11	2L6679	PLATE	2
12	7F4546	HOLDER	4
13	7F3522	SCREW	2
14	7F3512	SPRING	8
15	4M1891	PLATE ASSEM.	1
16	7F4549	PLATE	2
17	4B1311	SCREW	2
18	7F4545	PLATE	1
19	3H3697	SCREW	2



20	2F2860	SCREW-----1.312" long	6
21	4B1220	SCREW-----1.375" long	2
22	3B4501	LOCKWASHER	8
23	4M1845	BRUSH ASSEM.	8
	7F3491	WASHER	2
	8F9206	SEAL	1

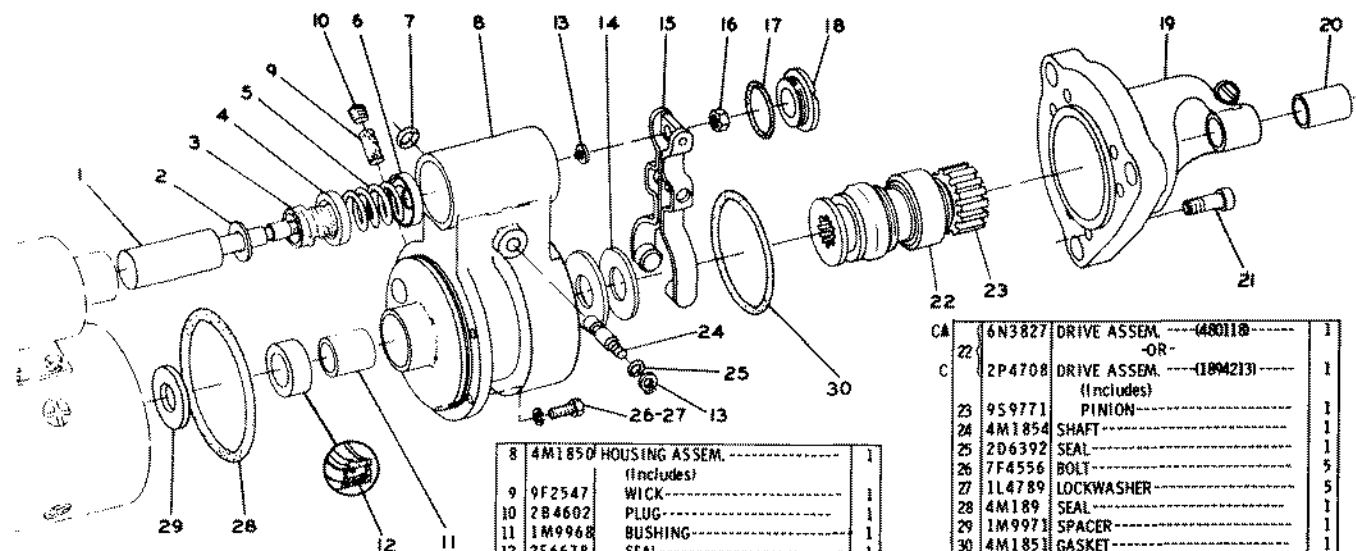
26	7F3494	WASHER	1
27	3B4508	LOCKWASHER	2
28	105117	NUT	1
29	1D4719	NUT	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
C	3N3763	KIT----- (insulator)	1
		(includes insulator, bushings and washer)	

C INDICATES CHANGE

200628

4N3182 ELECTRIC STARTING MOTOR GROUP—Delco-Remy—24 Volt—Part 2 of 3
Part of 7N6505 Electric Starting Motor Group shown on Page 246
AN ATTACHMENT

4N3182 ELECTRIC STARTING MOTOR GROUP—Delco-Remy—24 Volt—Part 3 of 3
Part of 7N6505 Electric Starting Motor Group shown on Page 246
AN ATTACHMENT



REF NO.	PART NUMBER	DESCRIPTION	QTY
1	4M1855	PLUNGER ASSEM.-----	1
2	FMO55075	FORM---(installation instructions)---	1
3	4M1829	WASHER-----	1
4	4M1828	BOOT-----	1
5	9M7609	RETAINER-----	1
6	9M7609	SPRING-----	1
7	4M1827	RETAINER-----	1
8	1H1023	SEAL-----	1

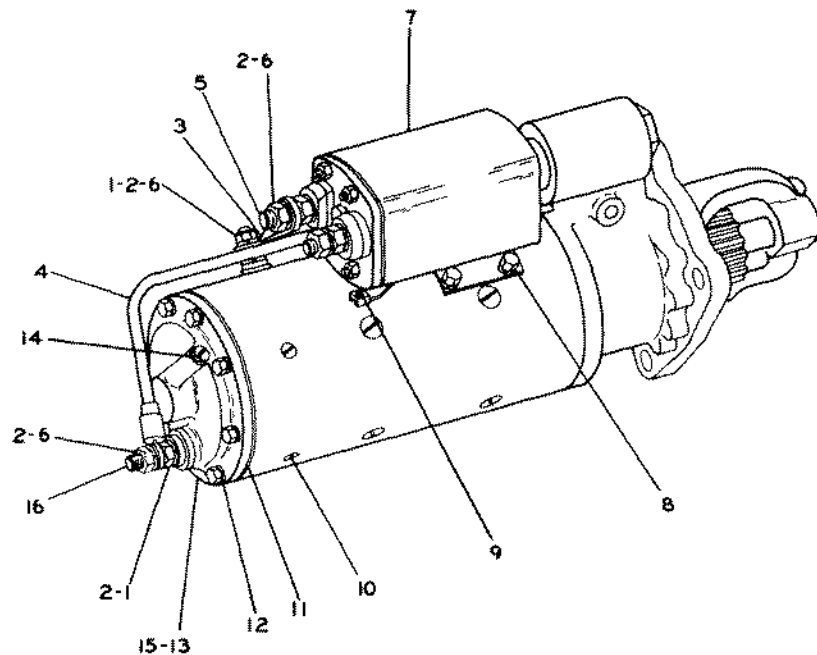
8	4M1850	HOUSING ASSEM.-----	1
9	9F2547	(includes) WICK-----	1
10	2B4602	PLUG-----	1
11	1M9968	BUSHING-----	1
12	2F6678	SEAL-----	1
13	2H3429	RING-----	2
14	4L2729	WASHER-----	1
15	4M1853	LEVER ASSEM.-----	1
16	3F2617	NUT-----	1
17	4M1832	GASKET-----	1
18	4M1831	PLUG-----	1
19	1S297	HOUSING ASSEM.-----	1
20	4M1894	(includes) BUSHING-----	1
21	4M1833	SCREW---1.50 in. (38.10 mm) long	5
22	7M336	SCREW---.875 in. (22.23 mm) long	1

C INDICATES CHANGE

CA	22	6N3827	DRIVE ASSEM.---(480118)---	1
			-OR-	
C	22	2P4708	DRIVE ASSEM.---(1894213)---	1
			(includes)	
	23	9S9771	PINION-----	1
	24	4M1854	SHAFT-----	1
	25	2D6392	SEAL-----	1
	26	7F4556	BOLT-----	5
	27	1L4789	LOCKWASHER-----	5
	28	4M189	SEAL-----	1
	29	1M9971	SPACER-----	1
	30	4M1851	GASKET-----	1
			THE FOLLOWING REPAIR KITS ARE AVAILABLE FOR 2P4708 DRIVE ASSEM.:	
C		7N6098	KIT---(spring)---	1
			(includes Cup & Spring)	
		9S9825	KIT---(cup)---	1
			(includes Cup & Washers)	
		4S9459	KIT---(washer)---	1
			(includes Cup & Washers)	
		FMO35152	FORM.---(cup kit installation)---	1

▲ NOT PART OF 4N3182 MOTOR GROUP

217034



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
	1P7832	KIT----- (Bearing & Wick)-----	1
	4N9403	KIT----- (Commutator End Terminal Stud)----- (Includes Stud, Bushing & Washers)	1

200573

4N7752 ELECTRIC STARTING MOTOR GROUP—Prestolite—Part 1
Part of 7N6505 Electric Starting Motor Group shown on Page 246
9S7976 Solenoid parts are shown on Page 263
AN ATTACHMENT