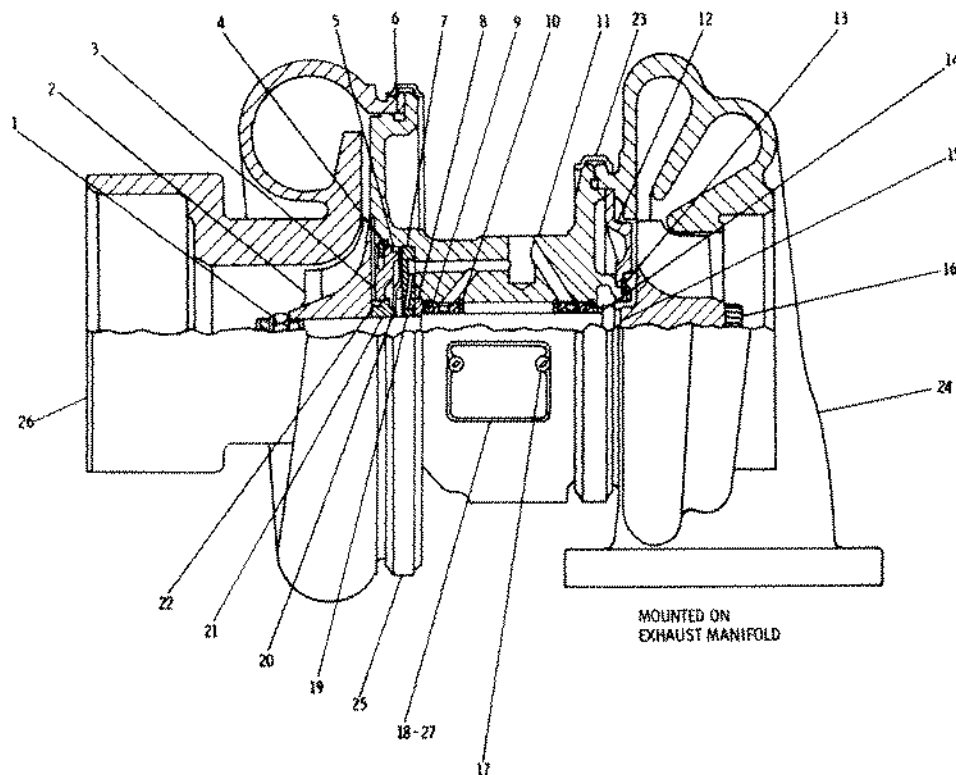




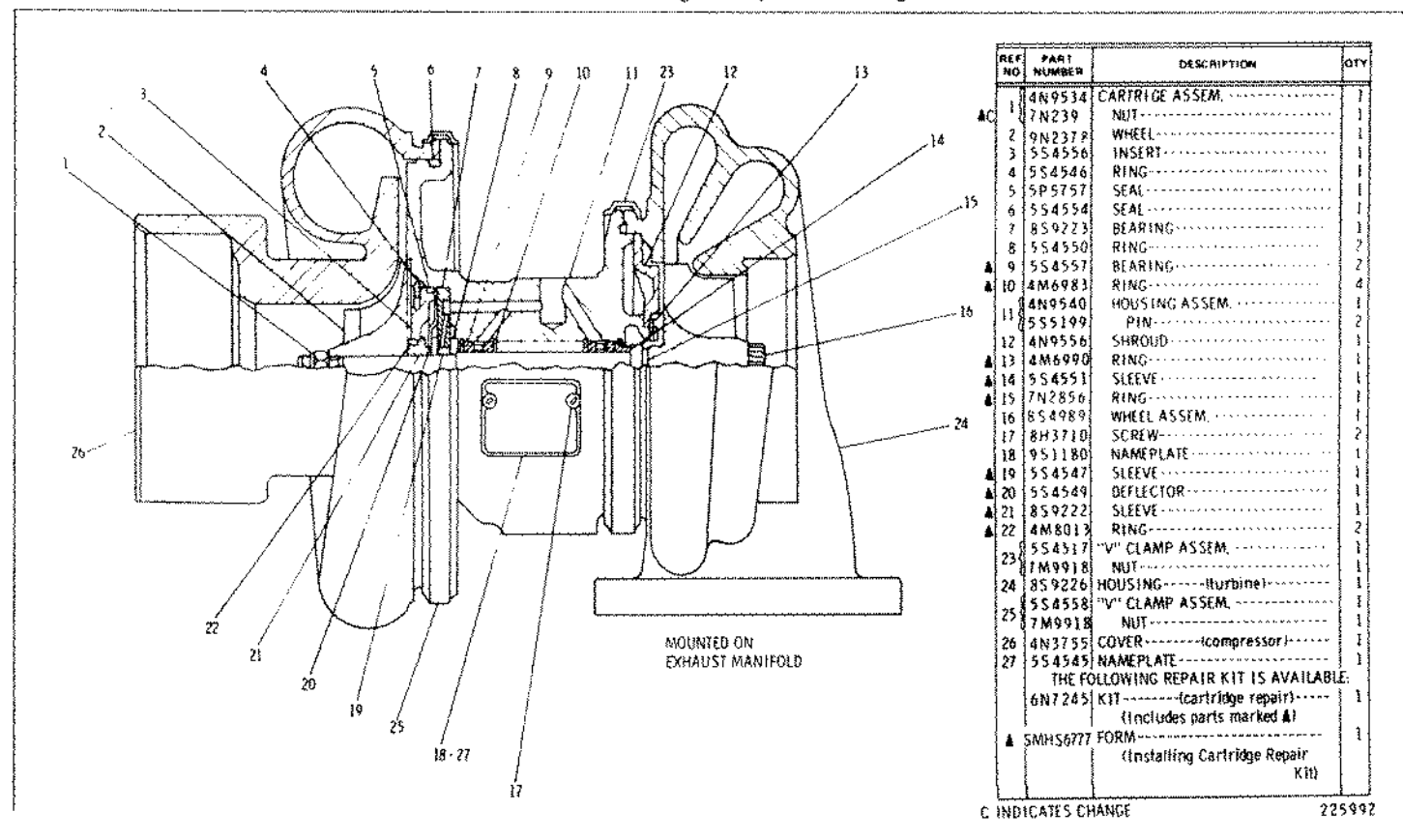
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N9534	CARTRIDGE ASSEM.	1
2	7N239	NUT	1
3	9N2378	WHEEL	1
4	5S4556	INSERT	1
5	5S4546	RING	1
6	5P5757	SEAL	1
7	5S4554	SEAL	1
8	8S9223	BEARING	1
9	5S4550	RING	2
10	5S4557	BEARING	2
11	4M6983	RING	4
12	4N9540	HOUSING ASSEM.	1
13	5S5199	PIN	2
14	4N9556	SHROUD	1
15	4M6990	RING	1
16	5S4551	SLEEVE	1
17	4N7595	RING	1
18	8S4989	WHEEL ASSEM.	1
19	8H3710	SCREW	2
20	9S1180	NAMEPLATE	1
21	5S4547	SLEEVE	1
22	5S4549	DEFLECTOR	1
23	8S9222	SLEEVE	1
24	4M8013	RING	2
25	5S4517	"V" CLAMP ASSEM.	1
26	7M9918	NUT	1
27	8S9226	HOUSING (turbine)	1
	5S4558	"V" CLAMP ASSEM.	1
	7M9918	NUT	1
	4N3755	COVER (compressor)	1
	5S4545	NAMEPLATE	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
	6N7245	KIT (cartridge repair)	1
		(Includes parts marked ▲)	
▲	SMHS6777	FORM (Installing Cartridge Repair Kit)	1

C INDICATES CHANGE

161731

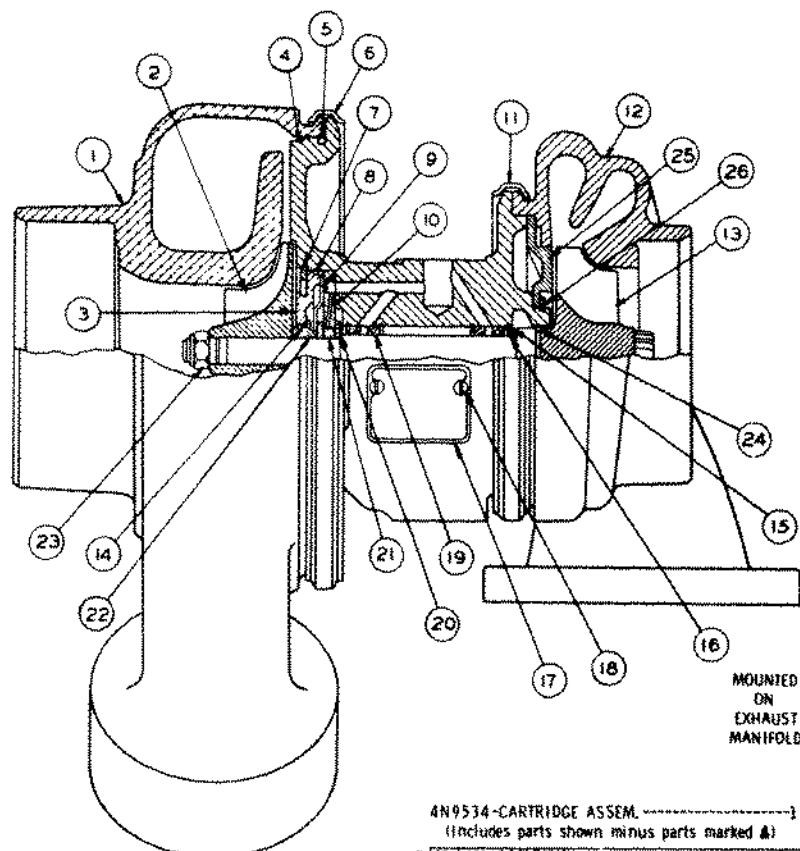
6N3810 TURBOCHARGER GROUP—Replaced by 9N1280 shown on Page 151
Part of 6N3744 Turbocharger Group shown on Page 144

8N3367 TURBOCHARGER GROUP
Part of 8N3382 Turbocharger Group shown on Page 147A



INTAKE AND EXHAUST

INTAKE AND EXHAUST



4N9534-CARTRIDGE ASSEM.-----1
(Includes parts shown minus parts marked Δ)

REF. NO.	PART NUMBER	DESCRIPTION	QTY
Δ 1	4N3755	COVER----- (compressor)	1
C 2	9N2378	WHEEL-----	1
3	5S4556	INSERT-----	1
Δ 4	4N9540	HOUSING ASSEM.-----	1
		(Includes)	
5	5S5199	PIN-----	2
6	5S4554	"O" RING-----	1
Δ 7	5S4558	CLAMP ASSEM.-----	1
		(Includes)	
8	7M9918	NUT-----	1
9	5S4546	RING----- (beveled)	1
C 10	5P5757	SEAL-----	1
11	5S4549	DEFLECTOR-----	1
12	8S9223	BEARING-----	1
Δ 13	5S4517	CLAMP ASSEM.-----	1
		(Includes)	
14	7M9918	NUT-----	1
15	8S9226	HOUSING----- (turbine)	1
16	8S4989	WHEEL ASSEM.-----	1
17	4M8013	RING-----	2

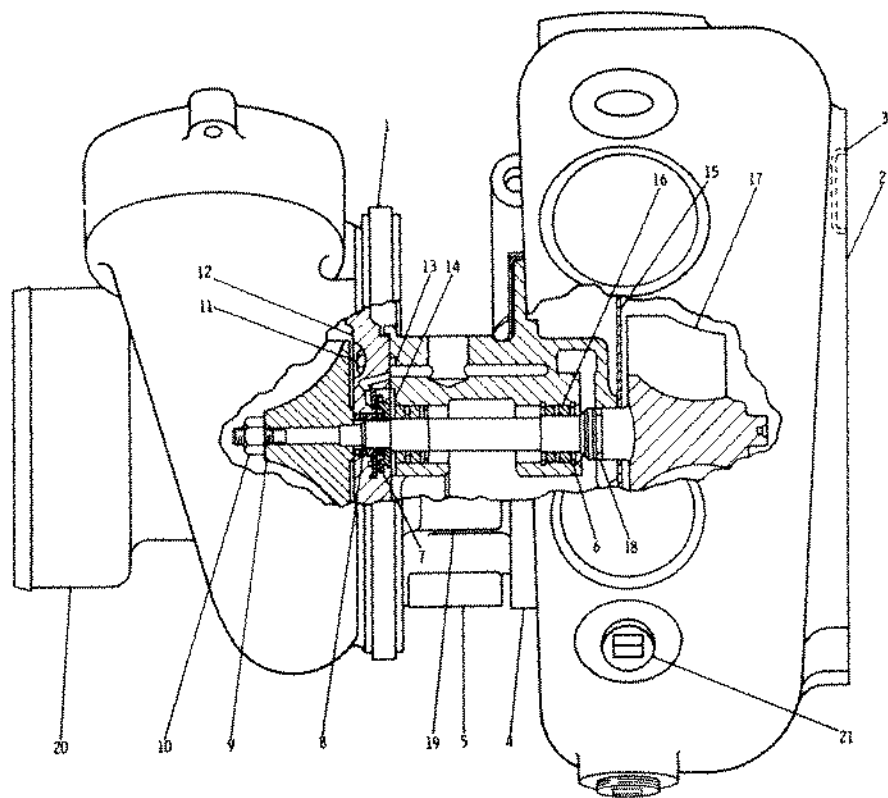
18	4M6983	RING-----	4
19	5S4551	SLEEVE-----	1
20	5S4545	PLATE----- (name-warning)	1
21	9S1180	PLATE----- (name-warning)	1
22	8H2710	SCREW-----	2
23	5S4557	BEARING-----	2
24	5S4550	RING-----	2
25	5S4547	SLEEVE-----	1
26	8S9222	SLEEVE-----	1
27	7N239	LOCKNUT-----	1
28	4N7595	RING-----	1
29	4N9556	SHROUD-----	1
30	4M6990	RING-----	1

THE FOLLOWING REPAIR KIT IS AVAILABLE:

31	6N7245	KIT----- (cartridge)	1
32	5M5677	FORM----- (installing cartridge assem.)	1

C INDICATES CHANGE 21803

9N1280 TURBOCHARGER GROUP—Field Installation



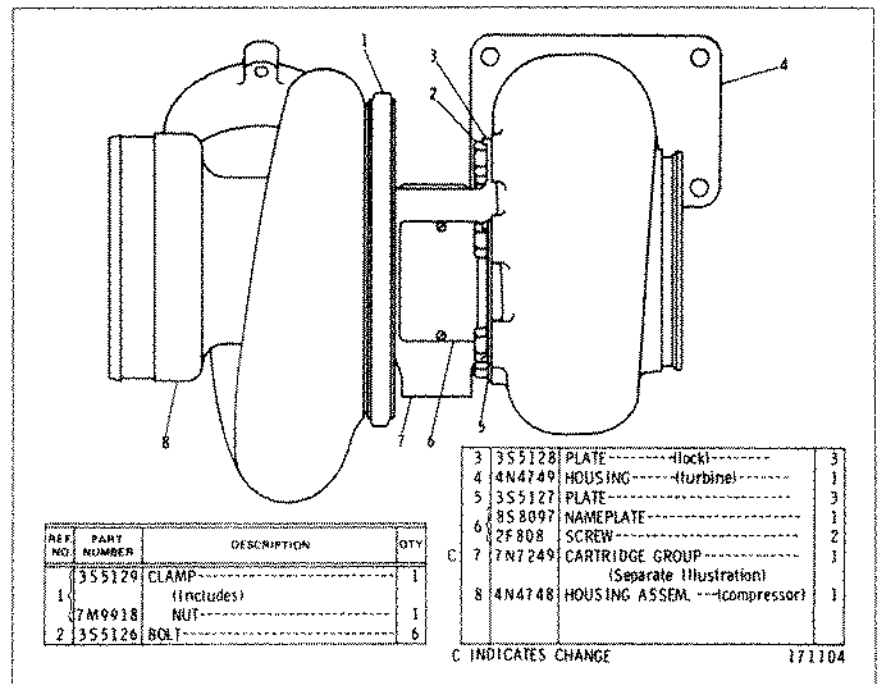
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	355129	CLAMP-----	1
2	6N9906	HOUSING ASSEM. ----- (Includes)	1
C 3	4N932	PLUG-----	7
	9N2038	CLAMP ASSEM. ----- (Includes)	1
4	7M9918	NUT-----	1
	6N8487	CARTRIDGE ASSEM. ----- (Includes)	1
5	9N2035	HOUSING ASSEM. ----- (Includes)	1
	4M6646	PIN-----	2
6	9M8915	RING-----	1
7	9M8911	COLLAR-----	1
8	9M8919	RING-----	2
9	9N2046	SPACER-----	1
10	6N6609	WHEEL-----	1
11	354484	NUT-----	1
	51616	BOLT-----	4
	9N2036	PLATE----- (lock)	4
12	6N6610	BACKPLATE ASSEM. -----	1
13	1P1120	RING-----	1
14	6N5004	BEARING-----	1
C 15	9N3701	SHROUD-----	1
	9N2041	KIT----- (bearing)	1
		(Includes 2 bearings and 2 washers)	
17	6N8486	SHAFT & WHEEL ASSEM. -----	1
C 18	7N3759	RING-----	1
19	9N2044	NAMEPLATE----- (cartridge)	1
20	2F808	SCREW-----	2
C 21	6N6613	HOUSING ASSEM. -----	1
	1B5174	PLUG-----	5

C INDICATES CHANGE

222401

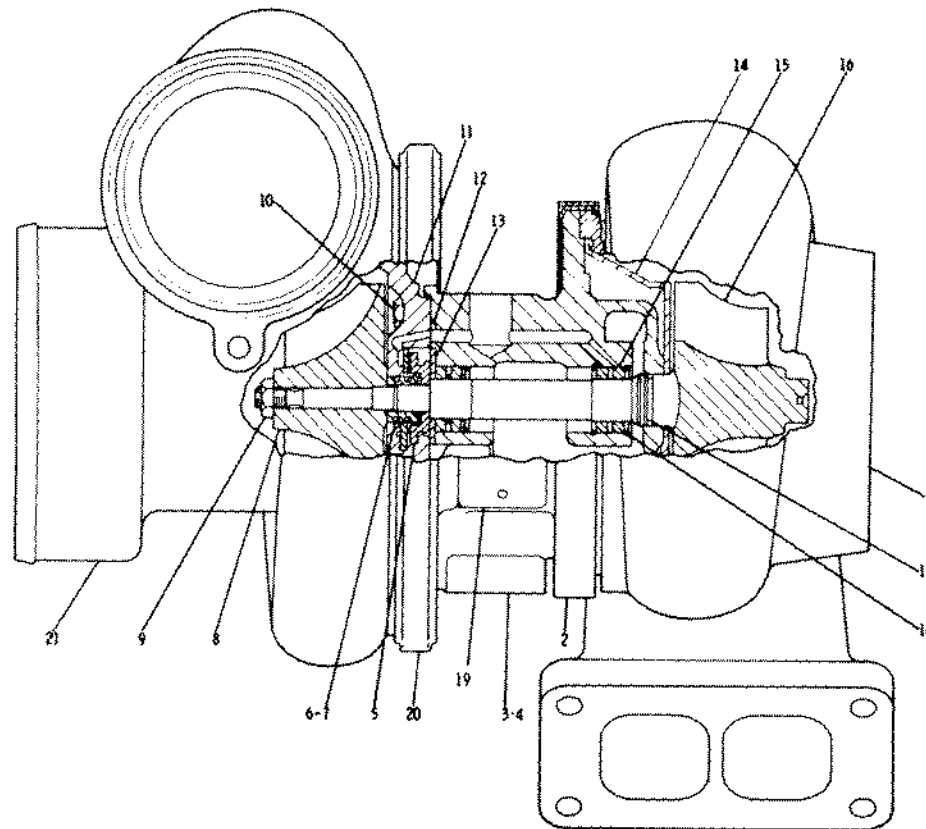
INDUSTRIAL ENGINE

6N7509 TURBOCHARGER GROUP
Part of 6N5961 Turbocharger Group shown on Page 144



4N4746 TURBOCHARGER GROUP

Part of 6N9296 & 8N4172 Turbocharger Groups shown on Pages 145 & 147B
7N7249 Cartridge parts are shown on Page 158A

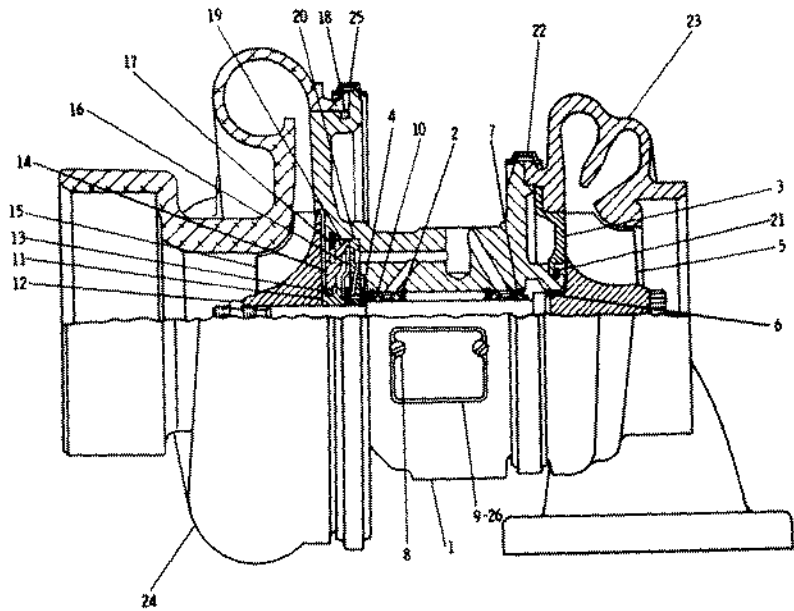


REF NO	PART NUMBER	DESCRIPTION	QTY
1	6N6615	HOUSING----(turbine)----	1
2	9N2038	CLAMP ASSEM. ----	1
		(Includes)	
	7M9918	NUT-----	1
3	6N6612	CARTRIDGE GROUP-----	1
		(Includes)	
	9N2035	HOUSING ASSEM. ----	1
		(Includes)	
4	4M6646	PIN-----	2
5	9M8911	COLLAR-----	1
6	9M8919	RING-----	2
7	9N2046	SPACER-----	1
8	6N6609	WHEEL-----	1
9	3S4484	NUT-----	1
10	51616	BOLT-----	4
	9N2036	PLATE----(lock)----	4
11	6N6610	BACKPLATE ASSEM. ----	1
12	1P1120	RING-----	1
13	6N5004	BEARING-----	1
14	7N3760	SHROUD-----	1
15	9N2041	KIT----- (bearing)----	1
		(Includes 2 bearings and 2 washers)	
16	6N6611	SHAFT AND WHEEL ASSEM. ---	1
17	7N3759	RING-----	1
18	9M8915	RING-----	3
19	9N2044	NAMEPLATE-----	1
20	2F808	SCREW-----	2
21	3S5129	CLAMP-----	1
22	6N6613	HOUSING ASSEM. ----(compressor)---	1

C INDICATES CHANGES

226171

6N3678 TURBOCHARGER GROUP
Part of 6N3477 Turbocharger Group shown on Page 145

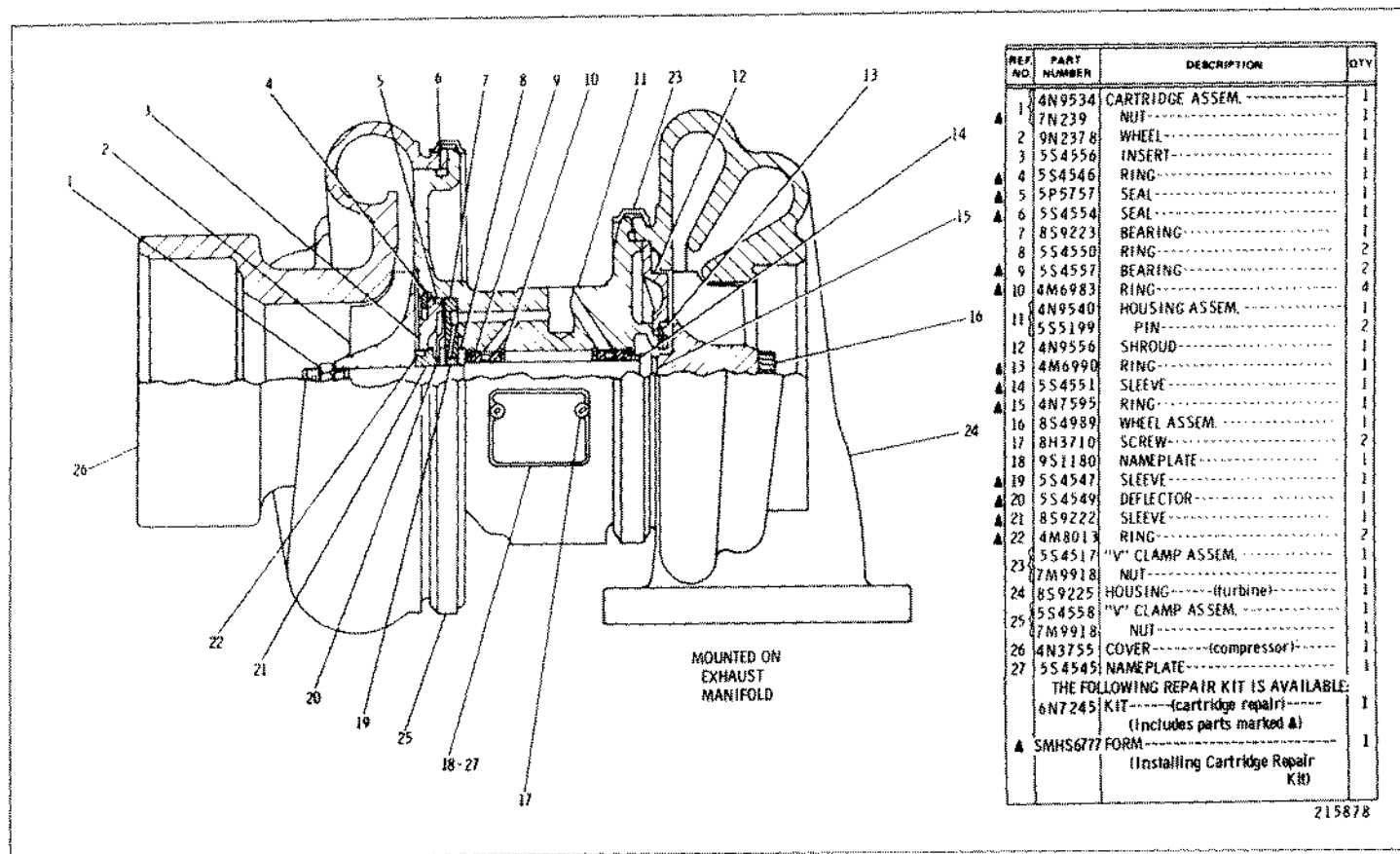


REF. NO.	PART NUMBER	DESCRIPTION	QTY
	4N9534	CARTRIDGE ASSEM. -----	1
	(Includes)		
1	4N9540	HOUSING ASSEM. -----	1
	(Includes)		
	5S5199	PIN -----	2
2	4M6983	RING -----	4
3	4N9556	SHROUD -----	1
4	5S4550	RING -----	2
5	8S4989	WHEEL ASSEM. -----	1
6	4N7595	RING -----	1
7	5S4551	SLEEVE -----	1
8	8H3710	SCREW -----	2
9	9S1180	PLATE ----- (name-cartridge) -----	1
10	5S4557	BEARING -----	2
11	8S9222	SLEEVE -----	1
12	7N239	NUT -----	1
13	4M8013	RING -----	2
14	5S4556	INSERT -----	1
15	9N2378	WHEEL -----	1
16	5S4549	DEFLECTOR -----	1
17	5S4546	RING -----	1
18	5S4554	SEAL -----	1
19	5P5757	SEAL -----	1
20	8S9223	BEARING -----	1
21	5S4547	SLEEVE -----	1
22	4M6990	RING -----	1

22	5S4517	"V" CLAMP ASSEM. -----	1
	(Includes)		
	7M9918	NUT -----	1
23	8S9226	HOUSING ----- (turbine) -----	1
24	4N3755	COVER ----- (compressor) -----	1
	5S4558	"V" CLAMP ASSEM. -----	1
	(Includes)		
	7M9918	NUT -----	1
26	5S4545	NAMEPLATE -----	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
	6N7245	KIT ----- (cartridge) -----	1
	(Includes Parts Marked A)		
	SMHS6777	FORM ----- (Installing Cartridge Kit) -----	1

211726

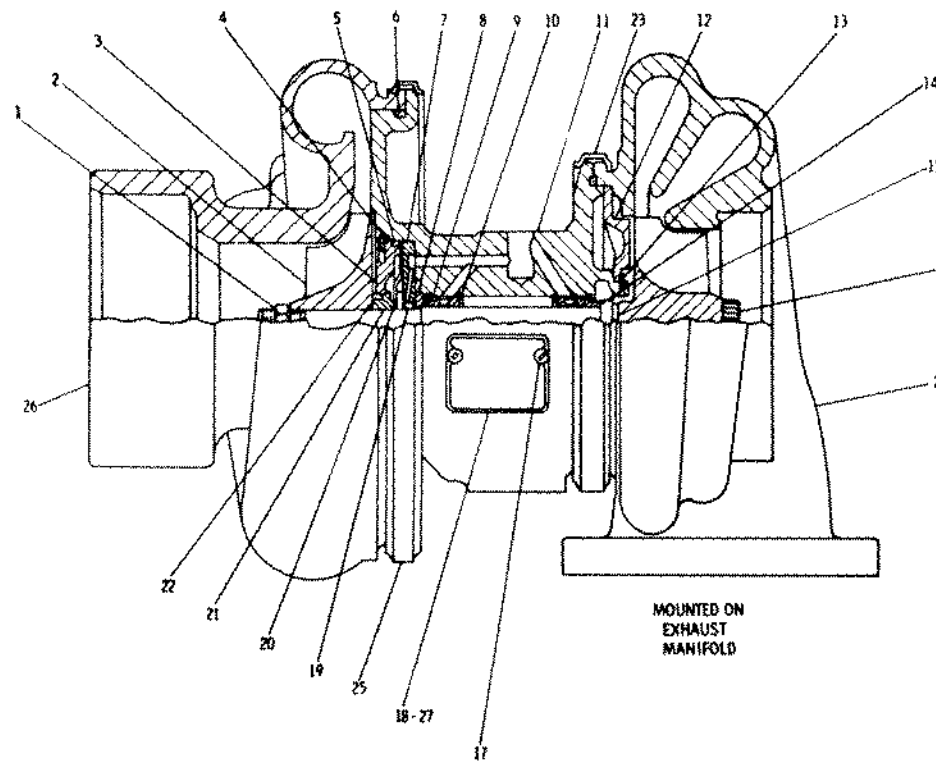
9N1289 TURBOCHARGER GROUP
Part of 9N1290 Turbocharger Group shown on Page 146



INDUSTRIAL ENGINE

7N5892 TURBOCHARGER GROUP—Replaced by 4N9544 shown on Page 157
Part of 7N5890 Turbocharger Group shown on Page 147

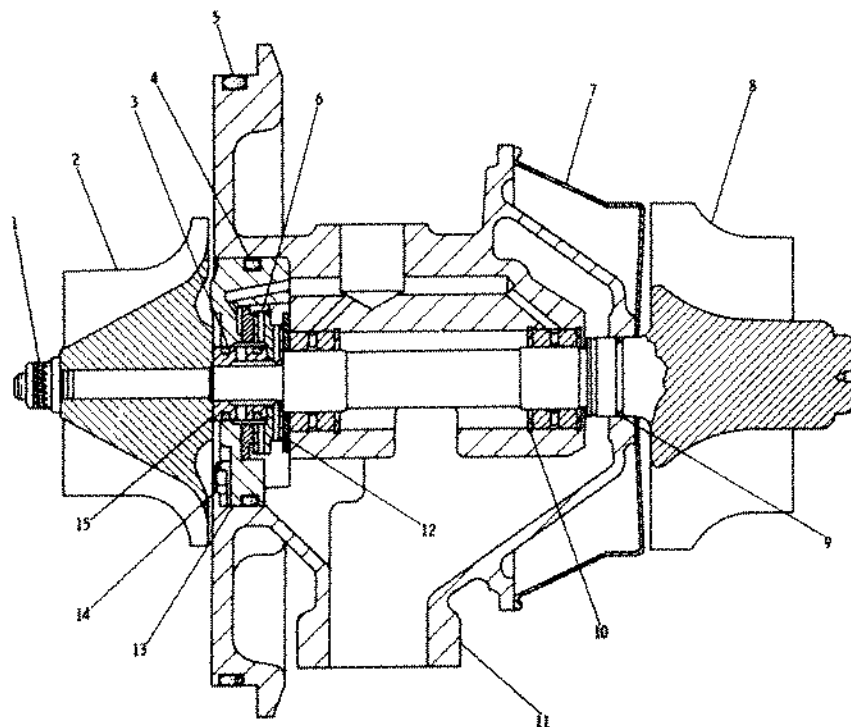
4N9544 TURBOCHARGER GROUP—Field Installation



REF NO	PART NUMBER	DESCRIPTION	QTY
C	4N9534	CARTRIDGE ASSEM.	1
CA	7N239	NUT	1
C	9N2378	WHEEL	1
	5S4556	INSERT	1
A	5S4546	RING	1
CA	5P5757	SEAL	1
A	5S4554	SEAL	1
	8S9223	BEARING	1
	5S4550	RING	2
	5S4557	BEARING	2
A	4M6983	RING	4
	4N9540	HOUSING ASSEM.	1
	5S5199	PIN	2
	4N9556	SHROUD	1
A	4M6990	RING	1
A	5S4551	SLEEVE	1
A	4N7595	RING	1
	8S4989	WHEEL ASSEM.	1
	8H3710	SCREW	2
	9S1180	NAMEPLATE	1
A	5S4547	SLEEVE	1
A	5S4549	DEFLECTOR	1
A	8S9222	SLEEVE	1
A	4M8013	RING	2
	5S4517	"V" CLAMP ASSEM.	1
	7M9918	NUT	1
	8S9225	HOUSING (turbine)	1
	5S4558	"V" CLAMP ASSEM.	1
	7M9918	NUT	1
	4N3755	COVER (compressor)	1
	5S4545	NAMEPLATE	1
C	THE FOLLOWING REPAIR KIT IS AVAILABLE:		
	6N7245	KIT (cartridge repair)	1
	(Includes parts marked A)		
A	5MHS677	FORM (installing Cartridge Repair Kit)	1

C INDICATES CHANGE

164315



▲ NOT SHOWN-MOUNTED ON
CARTRIDGE ASSEM.

REF NO.	PART NUMBER	DESCRIPTION	QTY
1	3S4484	NUT-----	1
2	8S5168	WHEEL-----	1
3	9M8919	RING-----	2
4	5P5756	SEAL-----	1
5	8S5135	SEAL-----	1
6	8S8042	COLLAR-----	1
7	7N3760	SHROUD-----	1
8	8S5167	SHAFT AND WHEEL ASSEM.-----	1
9	7N3759	RING-----	1
10	9M8915	RING-----	3
11	7N7252	HOUSING ASSEM.-----	1
		(Includes)	
	4M6646	PIN-----	2
12	6N5004	BEARING-----	1
13	8S5169	PLATE ASSEM.-----	1
14	3S4488	SCREW-----	3
15	3S4487	PLATE-----	3
	8S8043	SPACER-----	1
▲	8S8096	PLATE----- (name)	1
▲	2F808	SCREW-----	2
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
6N7239	KIT----- (cartridge)		1
	(Includes Parts Marked #)		
9N2041	KIT----- (bearing)		1
5MHS6771	FORM-----		1
	(Installing Turbocharger Repair Kit)		

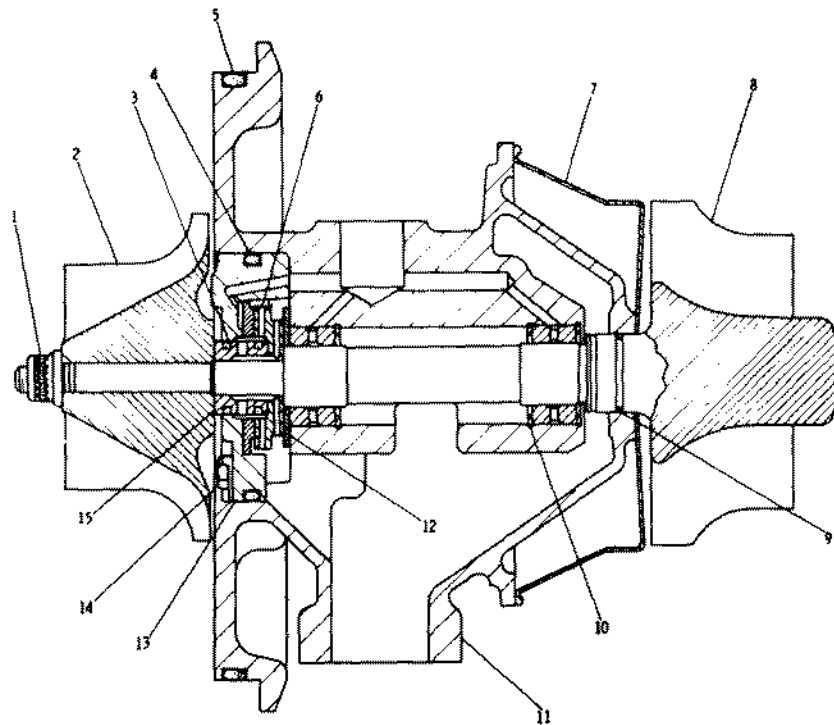
217877

INDUSTRIAL 3306 INDUSTRIAL ENGINE

7N7248 CARTRIDGE GROUP

Part of 4N5501, 8S8198, 8S8039 and 9L5345 Turbocharger Groups shown

7N7249 CARTRIDGE GROUP
Part of 4N4746 Turbocharger Group shown on Page 153

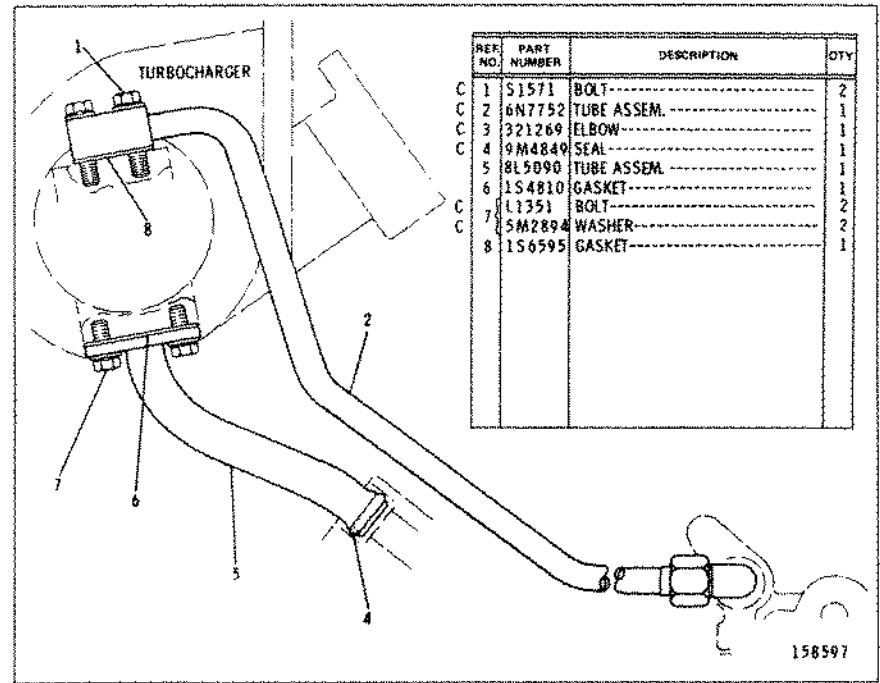


▲ NOT SHOWN-MOUNTED ON
CARTRIDGE ASSEM.

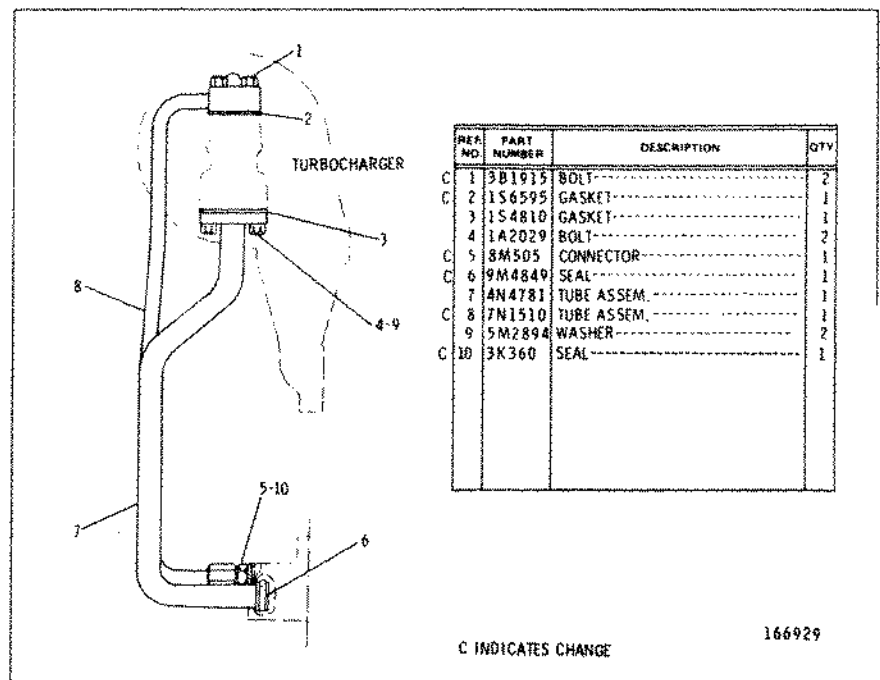
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3S4484	NUT-----	1
2	4N4750	WHEEL-----	1
3	9M8919	RING-----	2
4	5P5756	SEAL-----	1
5	3S5135	SEAL-----	1
6	8S8042	COLLAR-----	1
7	7N3760	SHROUD-----	1
8	8S5167	SHAFT AND WHEEL ASSEM.-----	1
9	7N3759	RING-----	1
10	9M8915	RING-----	3
11	7N7252	HOUSING ASSEM.-----	1
		(includes)	
11	4M6646	PIN-----	2
12	6N5004	BEARING-----	1
13	8S5169	PLATE ASSEM.-----	1
14	3S4488	SCREW-----	3
14	3S4487	PLATE-----	3
15	8S8043	SPACER-----	1
▲	8S8096	PLATE----- (name)-----	1
▲	2F808	SCREW-----	2
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
6N7239	KIT----- (cartridge)-----		1
	(Includes Parts Marked ①)		
9N2041	KIT----- (bearing)-----		1
SMHS6771	FORM----- (Installing Turbocharger Repair Kit)-----		1

171105

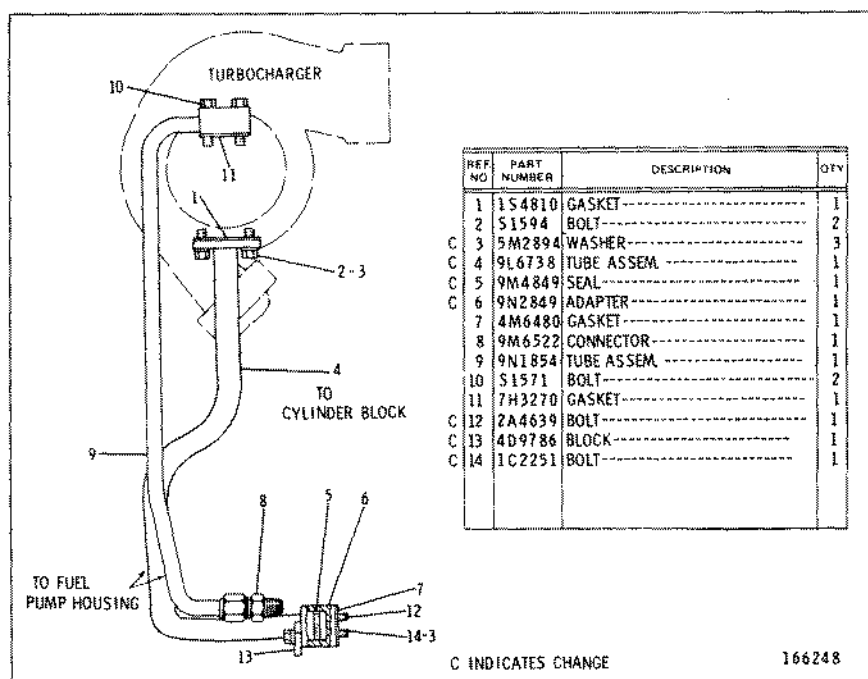
INTAKE AND EXHAUST SYSTEM



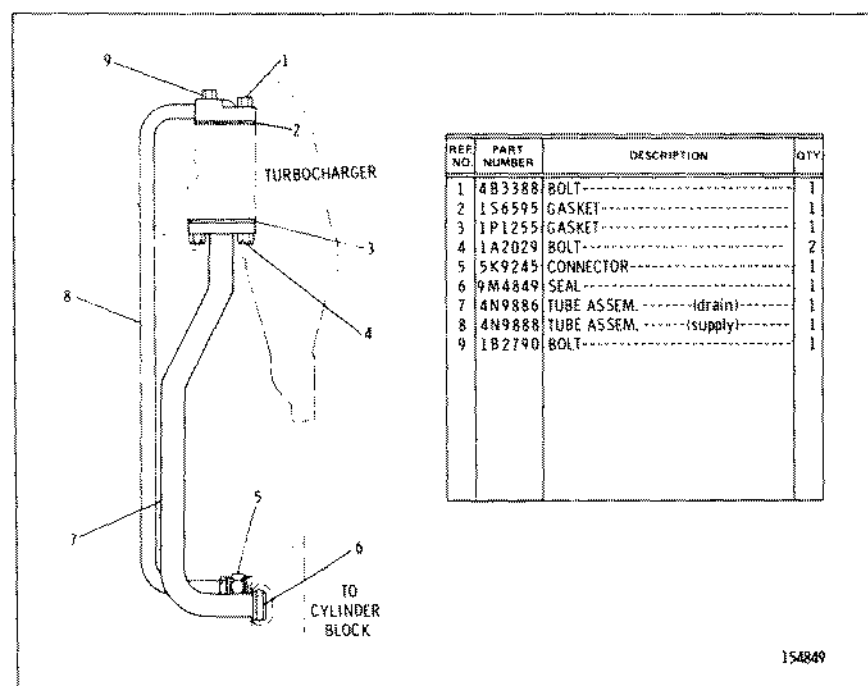
4N7122 TURBOCHARGER OIL LINES GROUP



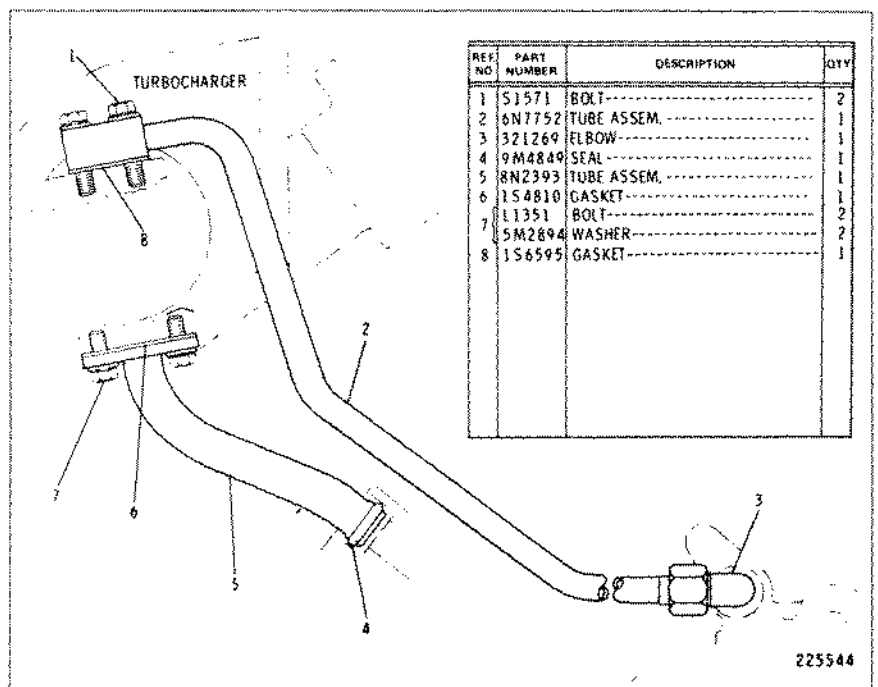
6N1305 TURBOCHARGER OIL LINES GROUP



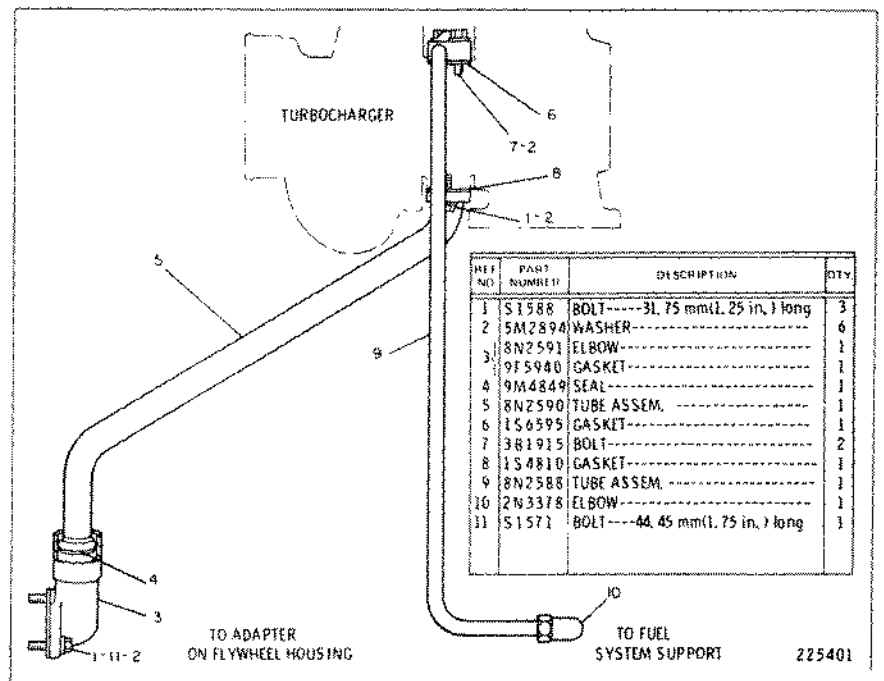
9L5801 TURBOCHARGER OIL LINES GROUP



6N25 TURBOCHARGER OIL LINES GROUP

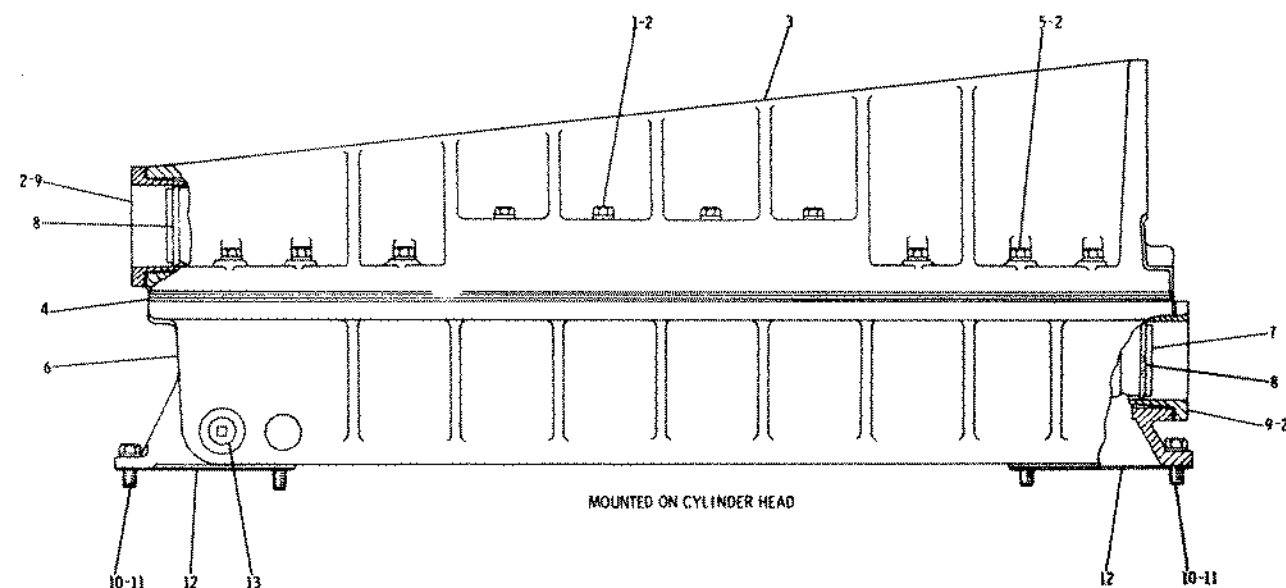


8N4572 TURBOCHARGER OIL LINES GROUP



8N2589 TURBOCHARGER OIL LINES GROUP

6N3745 AFTERCOOLER GROUP



MOUNTED ON CYLINDER HEAD

REF NO.	PART NUMBER	DESCRIPTION	QTY
1	1D4539	BOLT	4
2	9M1974	WASHER	32
3	4N9580	COVER	1
4	9L5908	GASKET	2
5	1A9579	BOLT	20

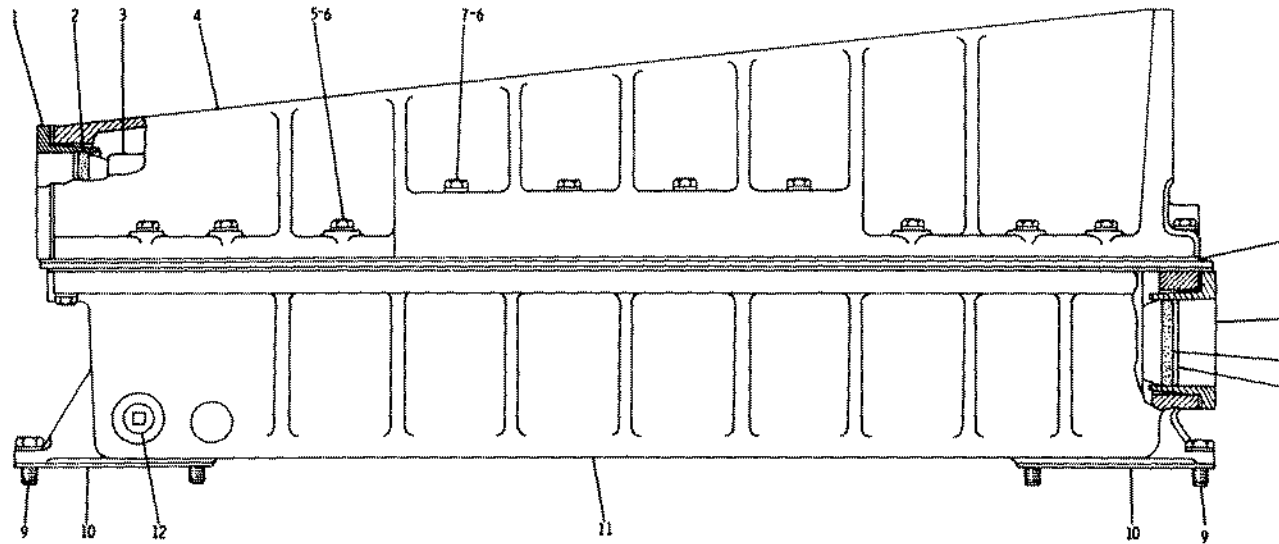
6	9L6765	HOUSING	1
7	9L5880	CORE ASSEM	1
8	6L1648	SEAL	2
9	9L5903	ADAPTER	2
10	9L5904	GASKET	2
11	5L594	BOLT	8
12	5M2894	WASHER	8
13	5S6735	GASKET	2

C 13	28858	PLUG	1
------	-------	------	---

C INDICATES CHANGE

216934

INTAKE AND EXHAUST



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9L5903	ADAPTER-----	2
2	9L5904	GASKET-----	2
2	6L1648	SEAL-----	2
C 3	7N1101	CORE ASSEM.-----	1

4	4N9580	COVER-----	1
5	1A9479	BOLT-----	20
6	9M1974	WASHER-----	24
7	1D4539	BOLT-----	4
8	9L5908	GASKET-----	2
9	S1594	BOLT-----	8
9	5M2894	WASHER-----	8

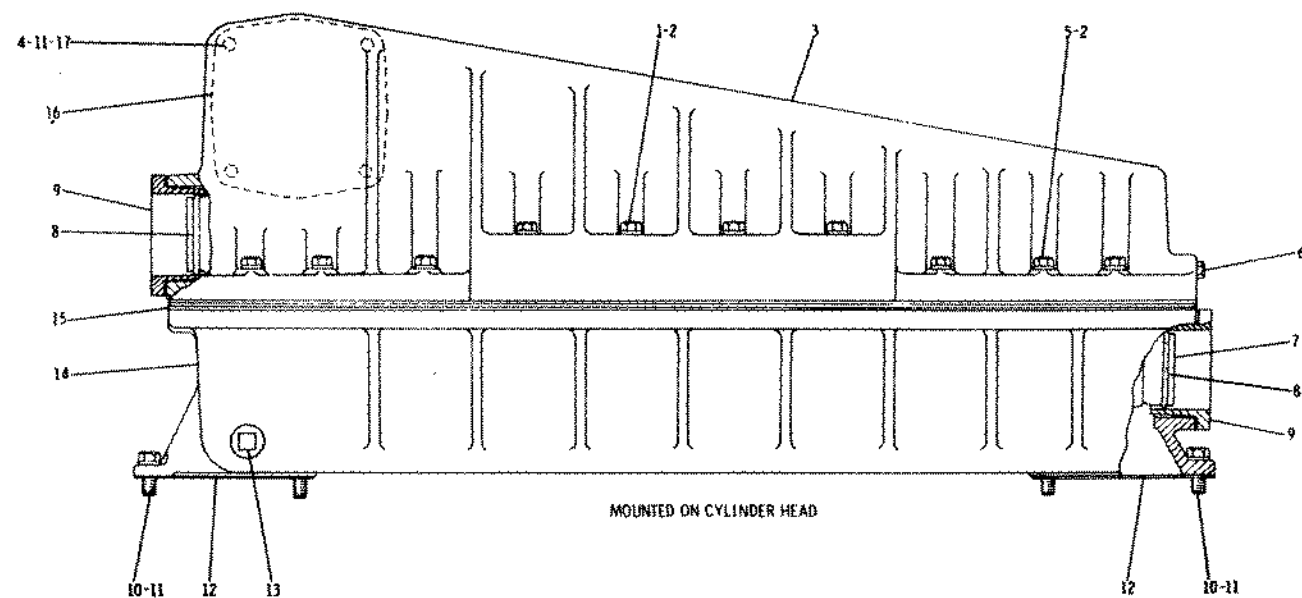
10	5S6735	GASKET-----	2
11	9L6765	HOUSING-----	1
C 12	2B858	PLUG-----	1

C INDICATES CHANGE

166411

6N5960 AFTERCOOLER GROUP

4N8267 AFTERCOOLER GROUP



MOUNTED ON CYLINDER HEAD

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1D4539	BOLT-----	4
2	9M1974	WASHER-----	24
3	9N847	COVER ASSEM. (Includes)	1
4	1H6525	HELI-COIL INSERT-----	4
5	1A9579	BOLT-----	20

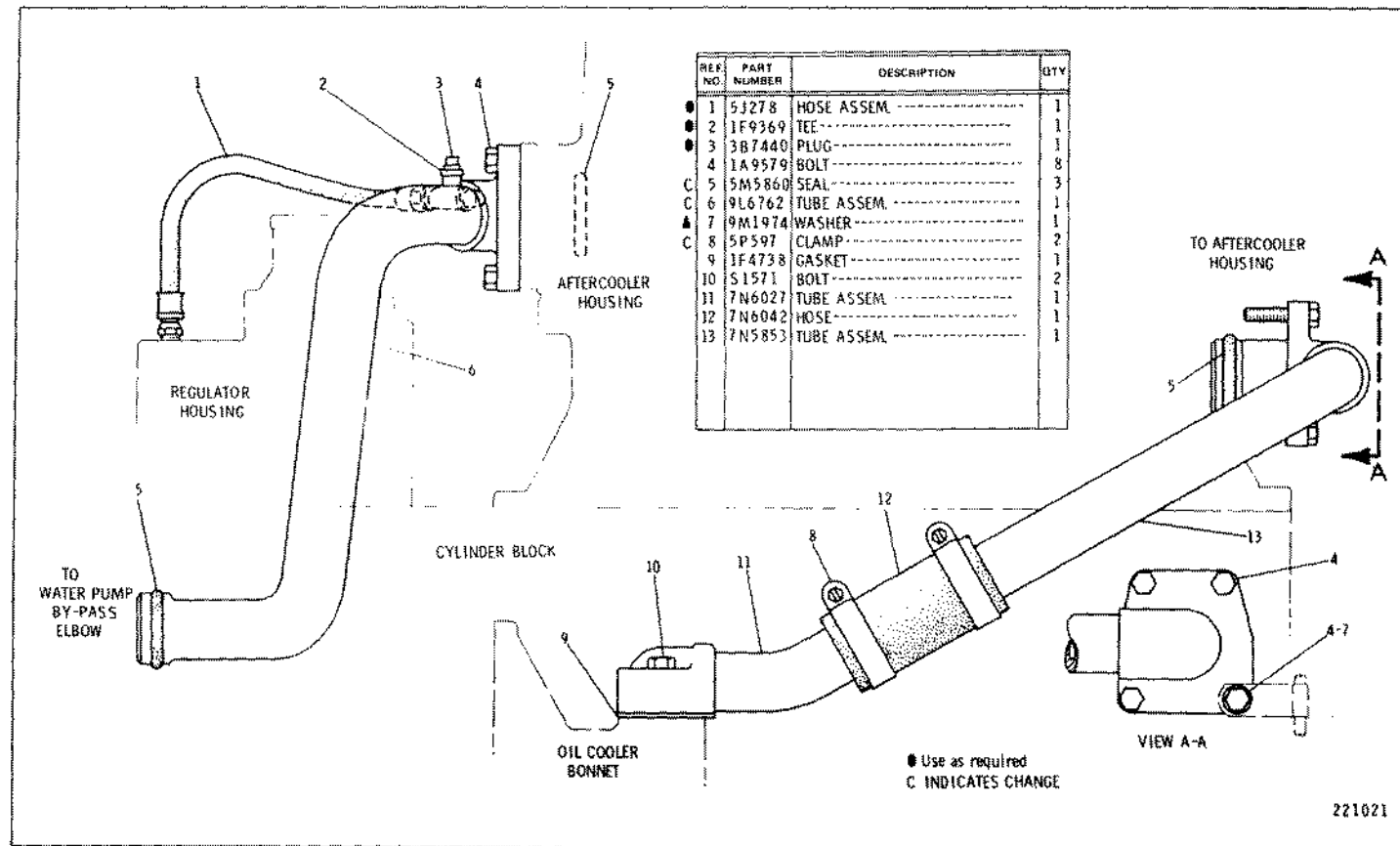
6	5M6214	PLUG-----	1
7	9L5880	CORE ASSEM. ---	1
8	6L1648	SEAL-----	2
9	9L5903	ADAPTER-----	2
10	9L5904	GASKET-----	2
11	51594	BOLT-----	8
12	5M2894	WASHER-----	12
13	556735	GASKET-----	2

13	5M6213	PLUG-----	1
14	28858	PLUG----- (countersunk)	1
15	9L6765	HOUSING-----	1
16	9L5908	GASKET-----	2
17	9L2625	FLANGE-----	1
18	1N9372	GASKET-----	1
19	12070	BOLT-----	4

C INDICATES CHANGE

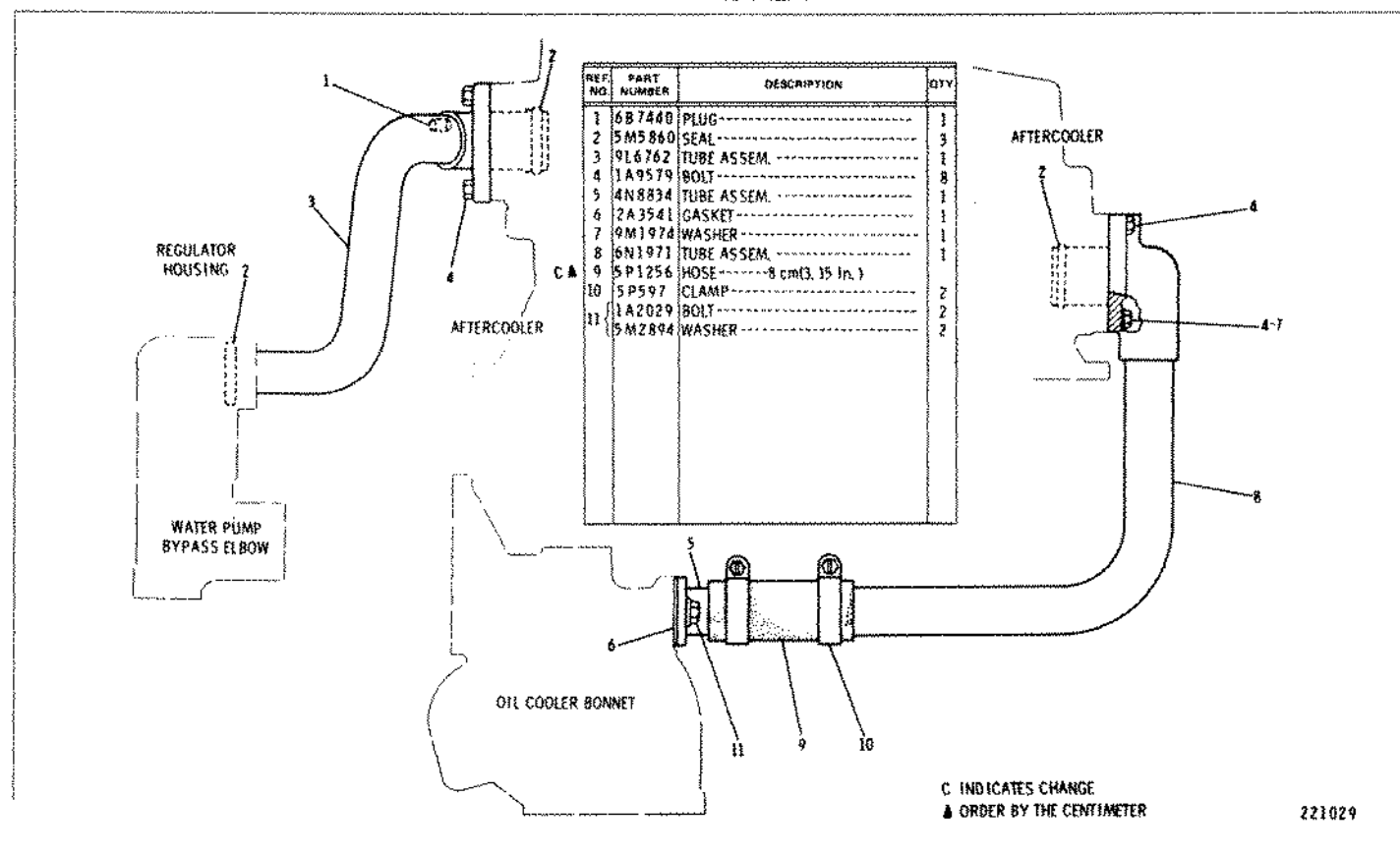
217478

INTAKE AND EXHAUST SYSTEM

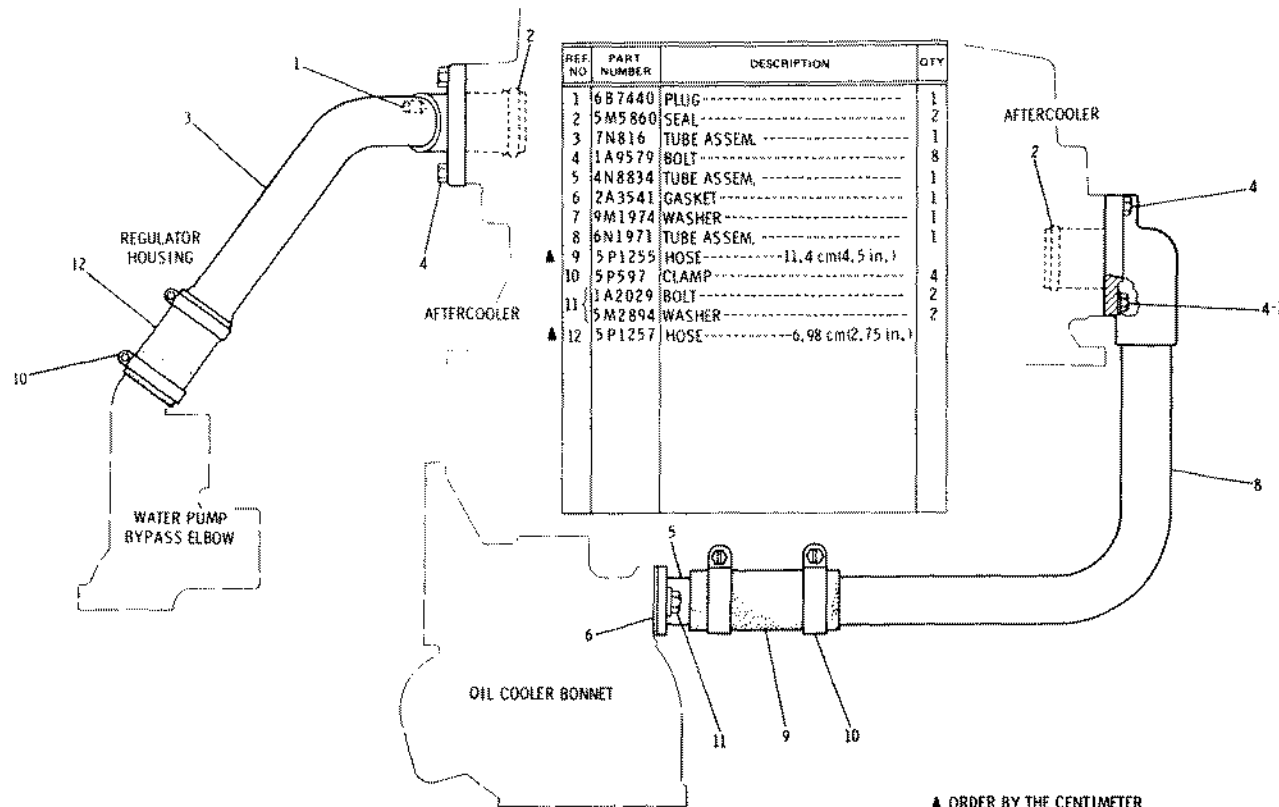


7N6055 AFTERCOOLER WATER LINES GROUP
FOR USE WITH 7N3379 & 7N3386 ENGINE ARRANGEMENTS
AN ATTACHMENT

7N2056 AFTERCOOLER WATER LINES GROUP
 FOR USE WITH TURBOCHARGED AFTERCOOLED ENGINE AND 7N1975 TRANSMISSION COOLER GROUP SHOWN ON PAGE 118
 AN ATTACHMENT

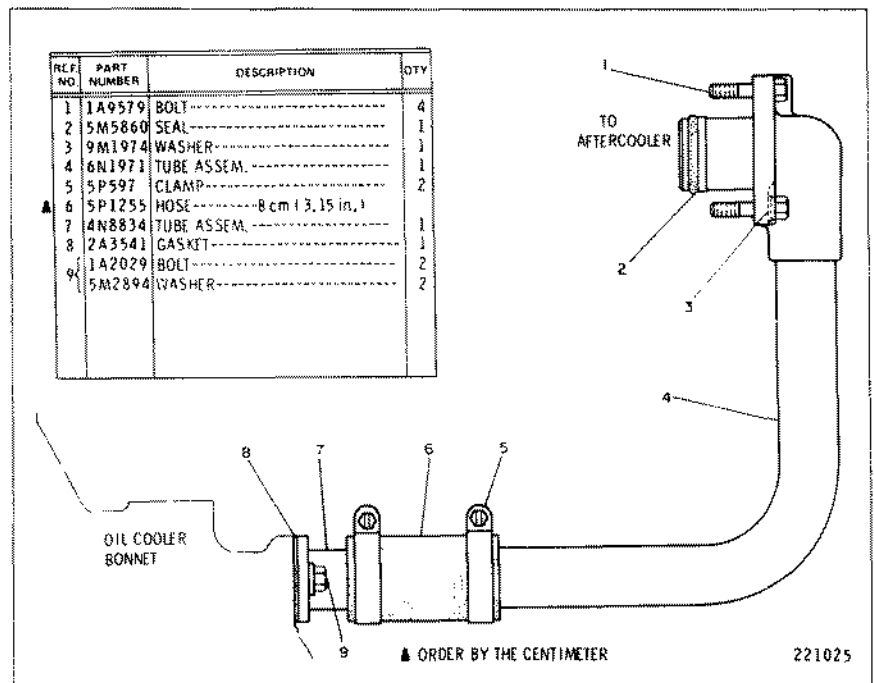


INTAKE AND EXHAUST

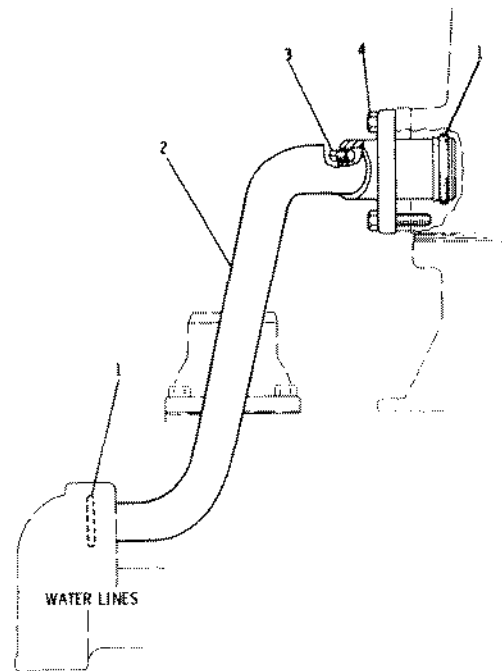


225543

8N755 AFTERCOOLER WATER LINES GROUP

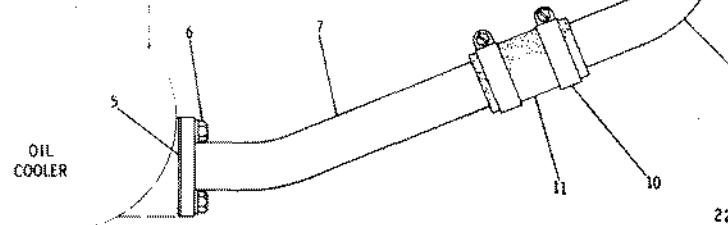


8N2333 AFTERCOOLER WATER LINES GROUP—Rear
 FOR USE WITH TURBOCHARGED AFTERCOOLED ENGINE AND 7N1975
 TRANSMISSION COOLER GROUP SHOWN ON PAGE 118. NOT FOR USE WITH
 7N2056 AFTERCOOLER WATER LINES GROUP. AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	5M5860	SEAL-----	3
C 2	9L6762	TUBE ASSEM.-----	1
3	6B7440	PLUG-----	1
4	1A9579	BOLT-----	8
5	2A3541	GASKET-----	1
6	51594	BOLT-----	2
7	5M2894	WASHER-----	2
8	9L6753	TUBE ASSEM.-----	1
9	9M1974	WASHER-----	1
9	9L6764	TUBE ASSEM.-----	1
C 10	5P597	CLAMP-----	2
A 11	5P1255	HOSE-----7,62 cm(3 in.)	

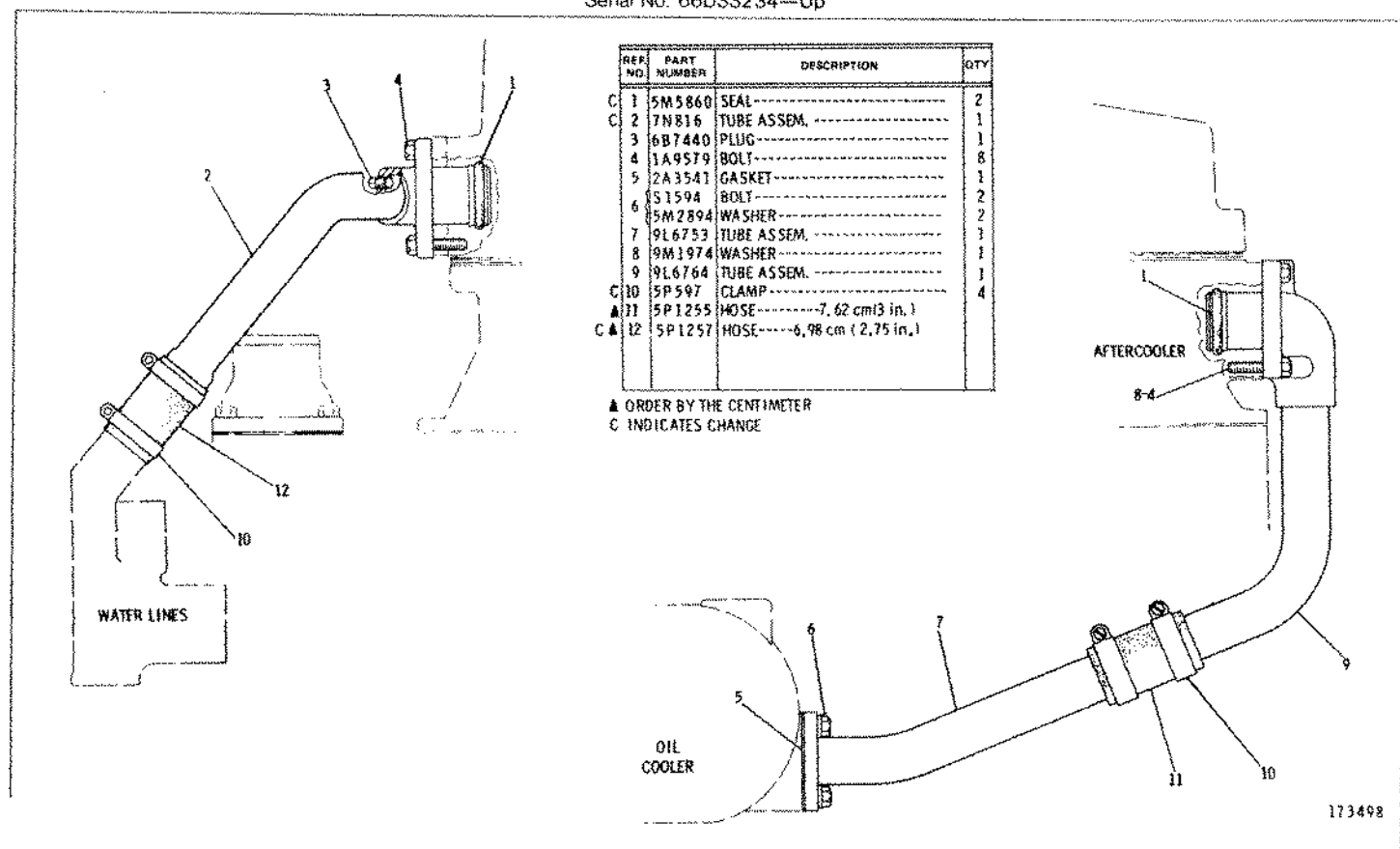
▲ ORDER BY THE CENTIMETER
C INDICATES CHANGE

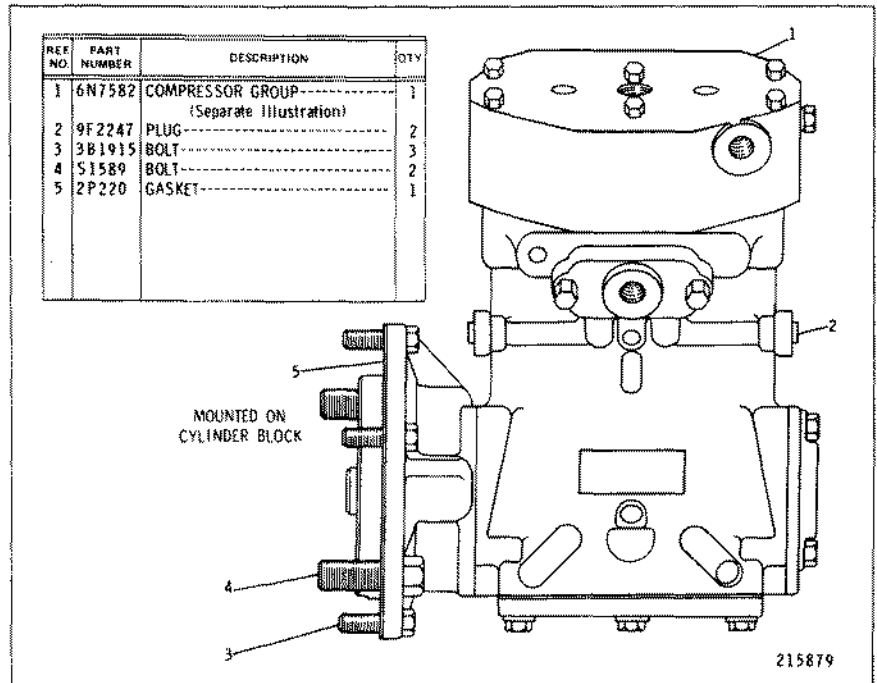


221030

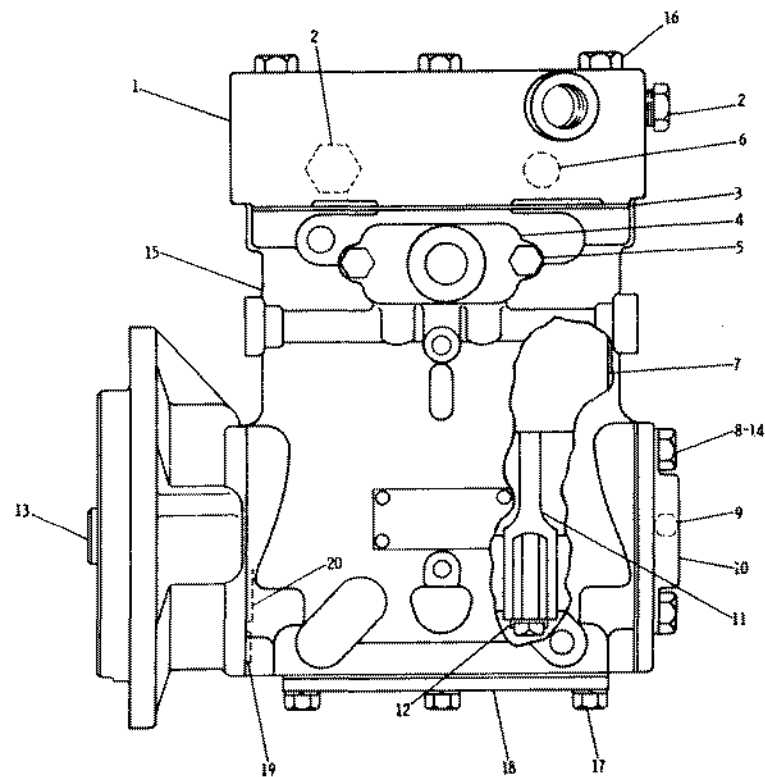
6N8492 AFTERCOOLER WATER LINES GROUP
Serial No. 66D26832 to 66D33233 inclusive

6N8492 AFTERCOOLER WATER LINES GROUP
Serial No. 66D33234—Up





9N8069 AIR COMPRESSOR GROUP—David Brown
Also available as an Attachment
6N7582 Compressor parts are shown on Page 168



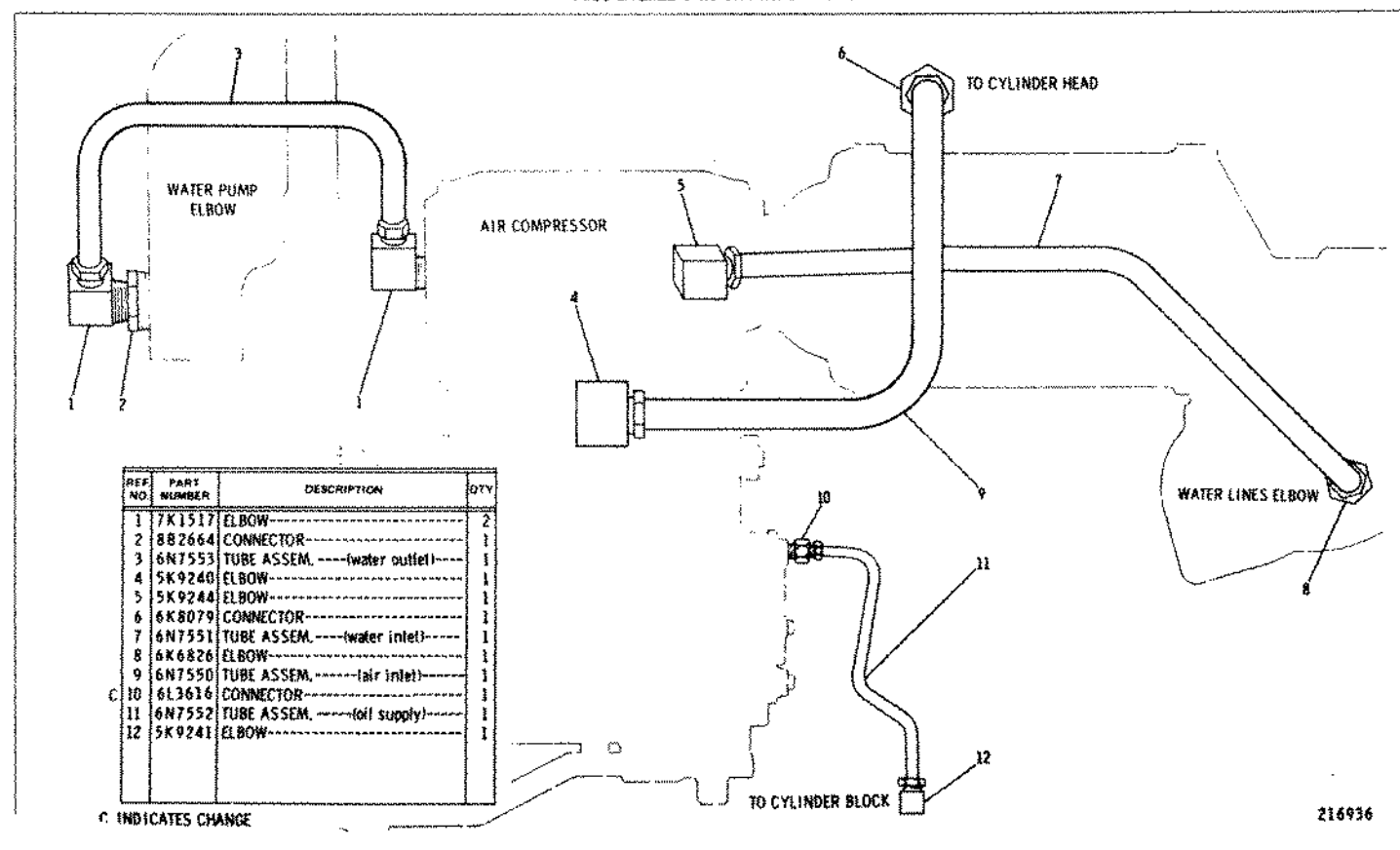
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N2097	HEAD ASSEM. --(air compressor)--	1
2	3J5389	PLUG-----	2
3	6N2098	GASKET-----	1
4	9M397	ADAPTER-----	1
5	8M7065	GASKET-----	1
6	2B2695	BOLT-----	2
7	3B4505	LOCKWASHER-----	2
8	2B858	PLUG-----	1
9	7N4837	PISTON ASSEM.-----	2
10	5P60	BOLT----- (use as required)	2
11	5M6214	PLUG-----	1
12	6N2100	COVER ASSEM.-----	1
13	6N2106	ROD ASSEM.-----	2
14	7N243	LOCK-----	2
15	6N7564	CRANKSHAFT-----	1
16	3B4507	LOCKWASHER-----	4
17	7N4563	CRANKCASE ASSEM.-----	1
18	51619	BOLT-----	6
19	1102	BOLT-----	6
20	3B4506	LOCKWASHER-----	6
	6N6949	COVER-----	1
	6N634	GASKET-----	1
	4K2039	SEAL-----	4
	5M6509	SEAL-----	2
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
7N4838	KIT--(major repair-compressor)--	(includes pistons, guide, plunger, seat, spring, saddle, rings, bolts, lockwashers, washers, lock, bearing, valves, and gasket)	1
6N2109	KIT----- (piston ring)-----		1

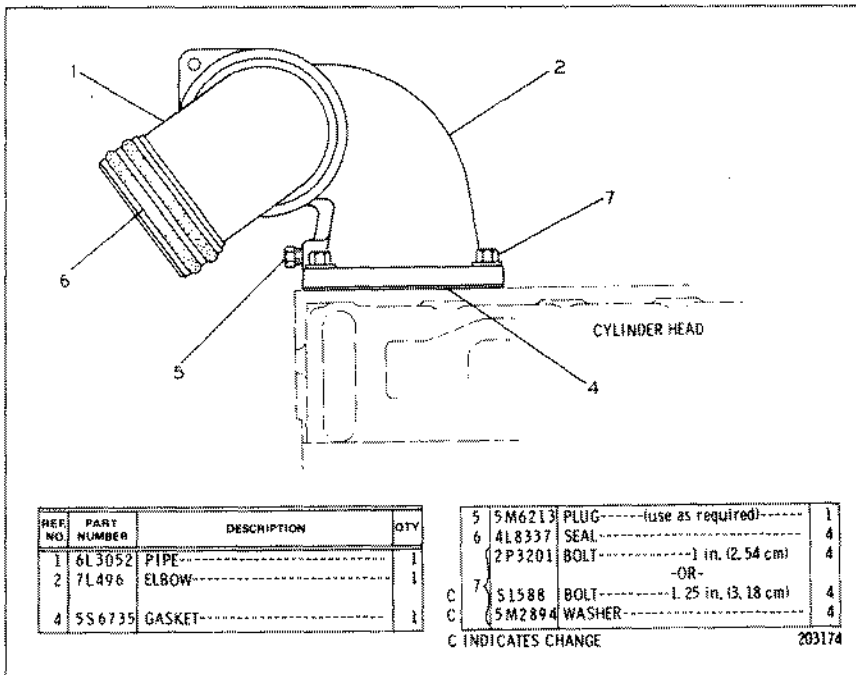
C INDICATES CHANGE

167260

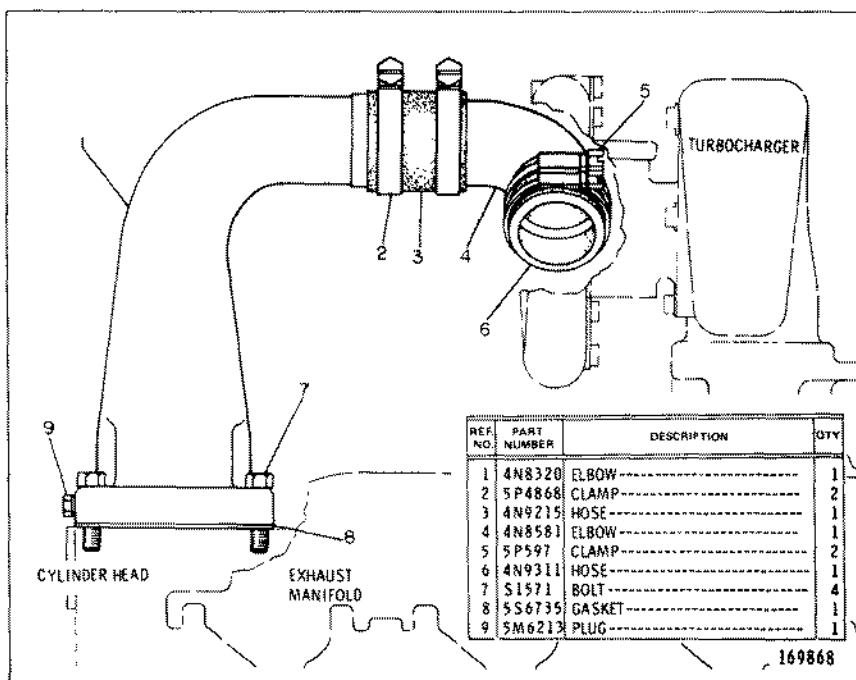
6N7582 AIR COMPRESSOR GROUP
Part of 9N8069 Air Compressor Group shown on Page 167

6N7631 AIR COMPRESSOR LINES GROUP—David Brown
Also available as an Attachment

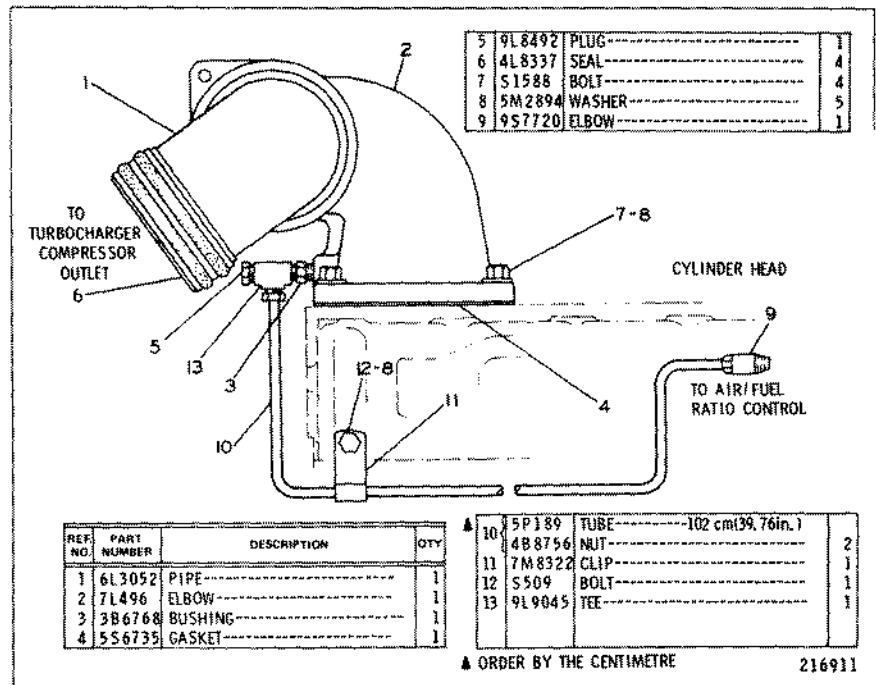




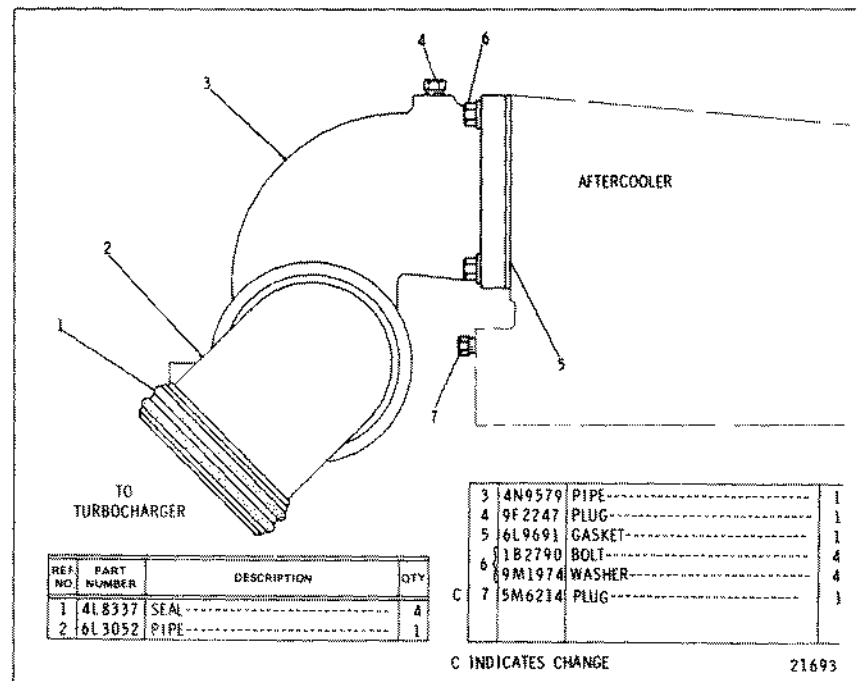
3N2880 AIR LINES GROUP

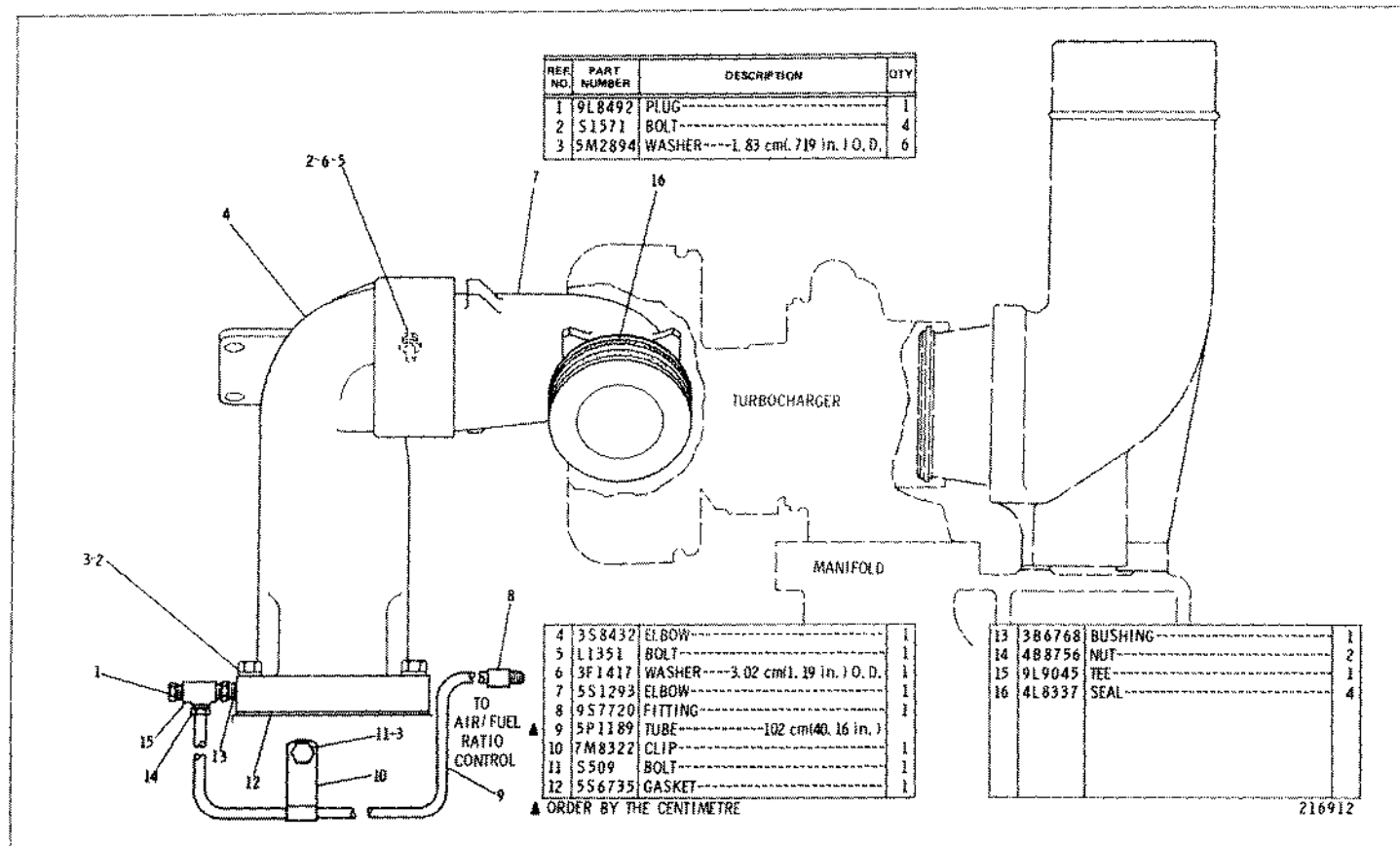


7N3884 AIR LINES GROUP



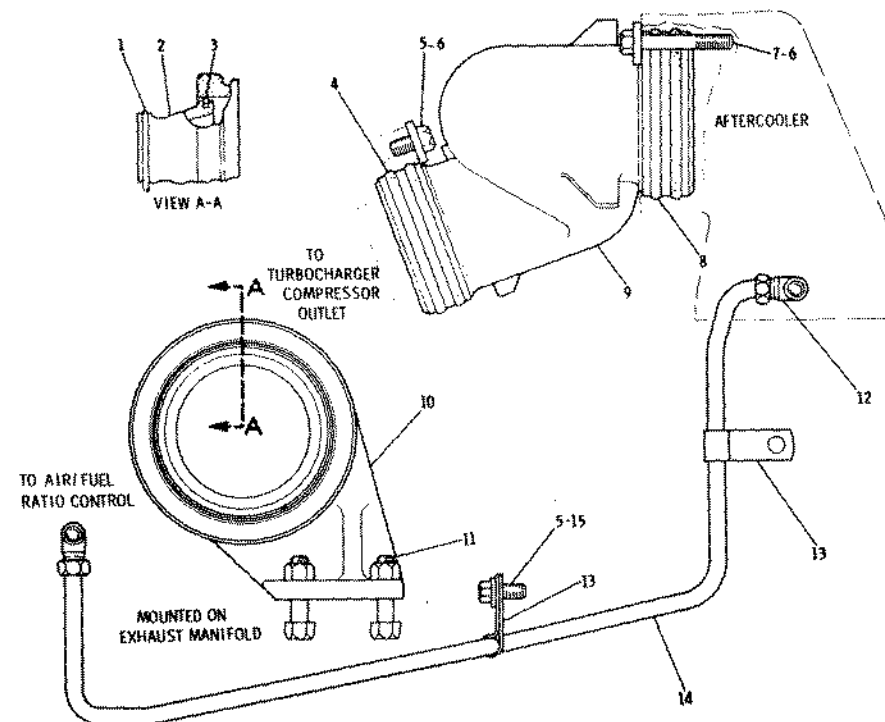
7N5455 AIR LINES GROUP





7N3624 AIR LINES GROUP

6N3322 AIR LINES GROUP

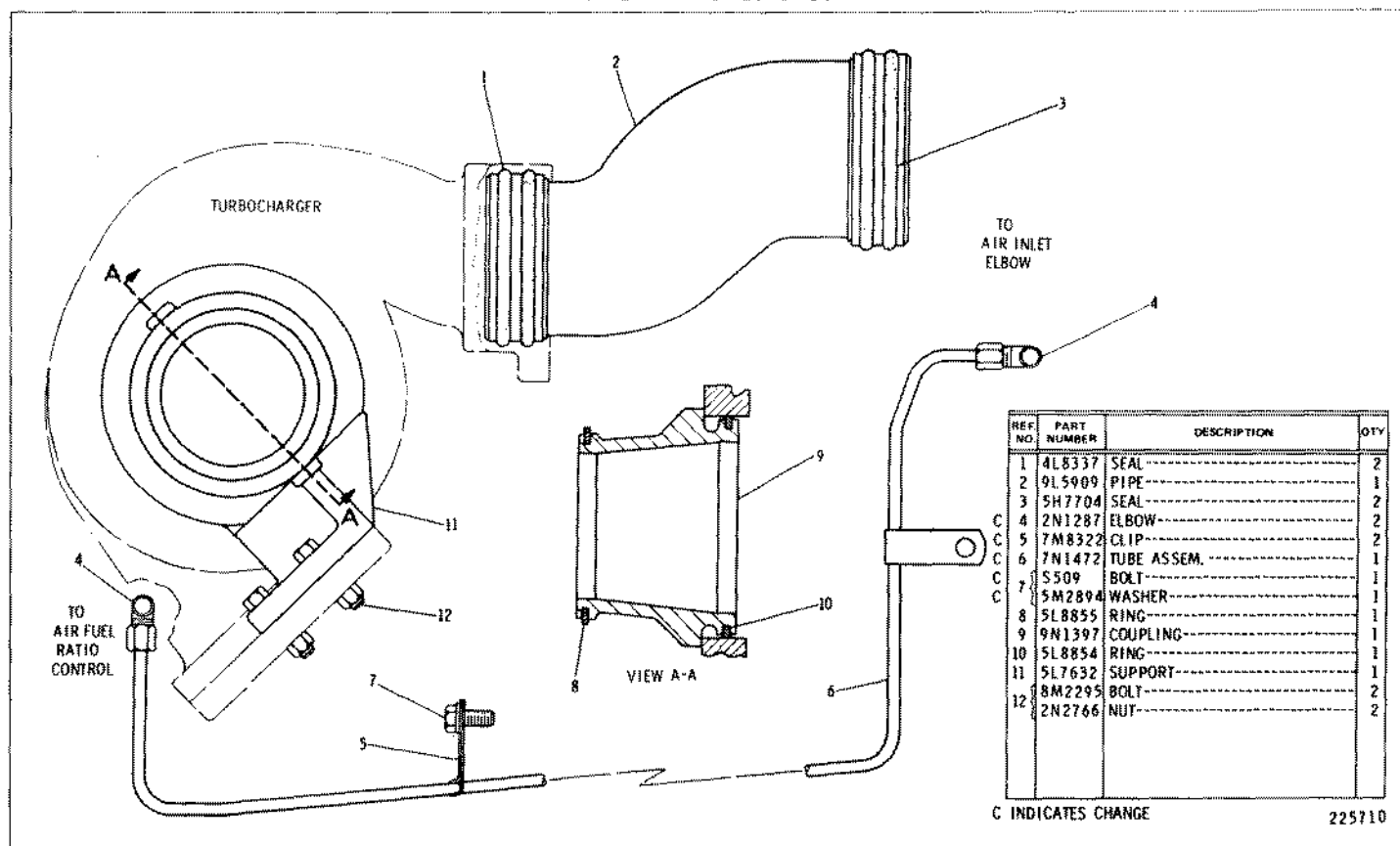


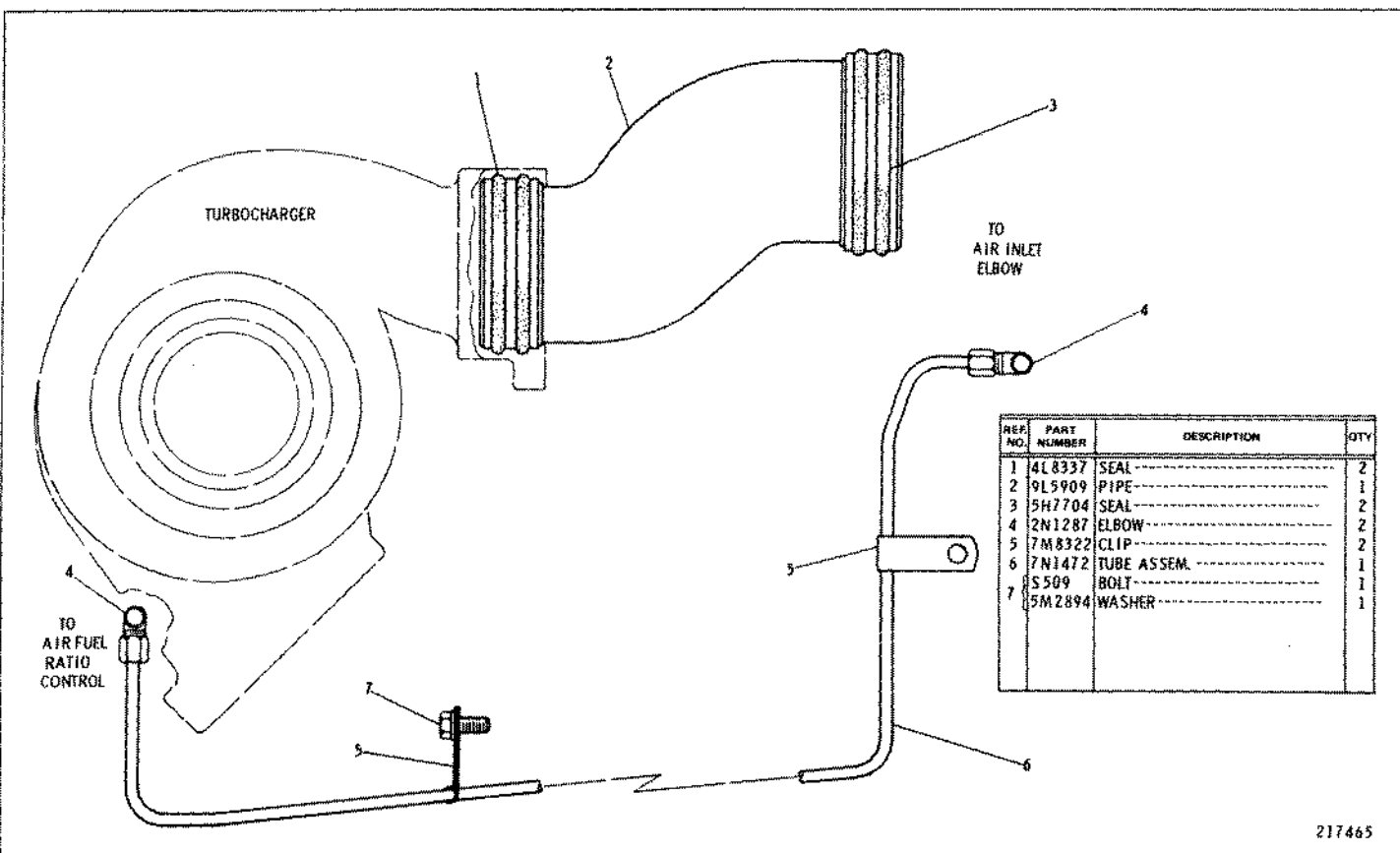
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5L8855	RING	1
2	6N5978	COUPLING	1
3	5L8854	RING	1
4	4L8337	SEAL	2
5	S509	BOLT	2
6	8M7145	WASHER	2
7	L2070	BOLT	1
8	5H7704	SEAL	2
9	4N8582	PIPE	1
10	3N5869	SUPPORT	1
11	S1571	BOLT	2
12	3B5355	NUT	1
13	2N1287	ELBOW	2
14	7M8322	CLIP	2
15	7N1472	TUBE ASSEM.	1
16	5M2894	WASHER	1

C INDICATES CHANGE

216918

9N1247 AIR LINES GROUP



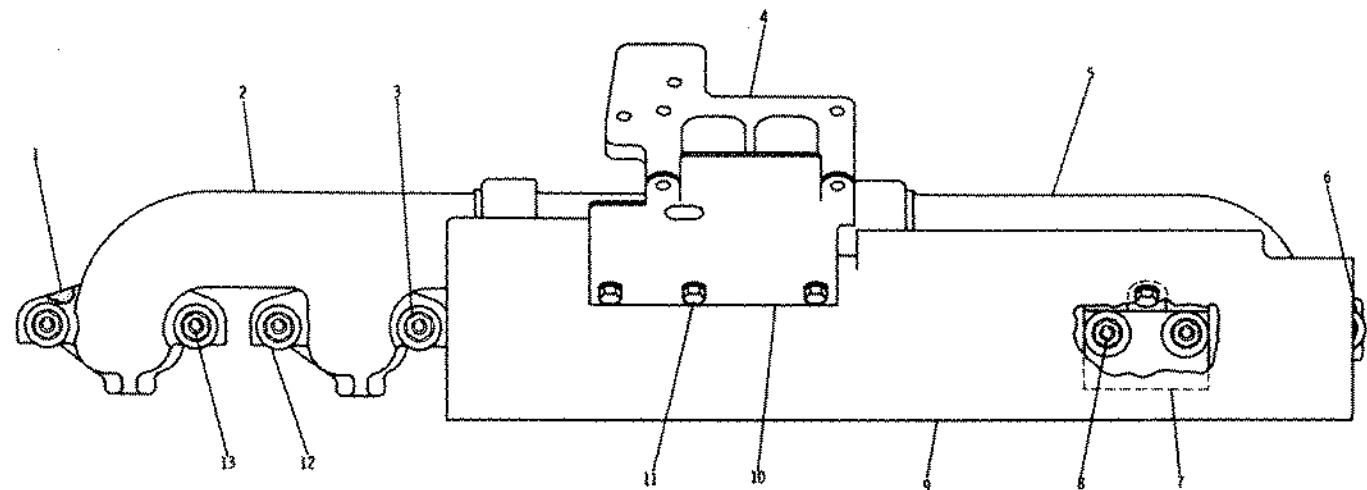


9N3262 AIR LINES GROUP

217465

ENGINE LINES

9L5805 EXHAUST MANIFOLD GROUP—David Brown



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	856410	GASKET-----	3
2	9L5521	MANIFOLD-----	1
C 3	2N2766	LOCKNUT-----	12
4	9L5520	MANIFOLD----- (center)	1

5	9L5519	MANIFOLD----- (front)	1
C 6	9M6527	WASHER-----	1
C 7	7N826	BRACKET ASSEM.-----	2
C 8	9L1658	STUD-----	4
C 9	9L6759	SHIELD ASSEM.-----	1
C 10	9L6739	SHIELD-----	1

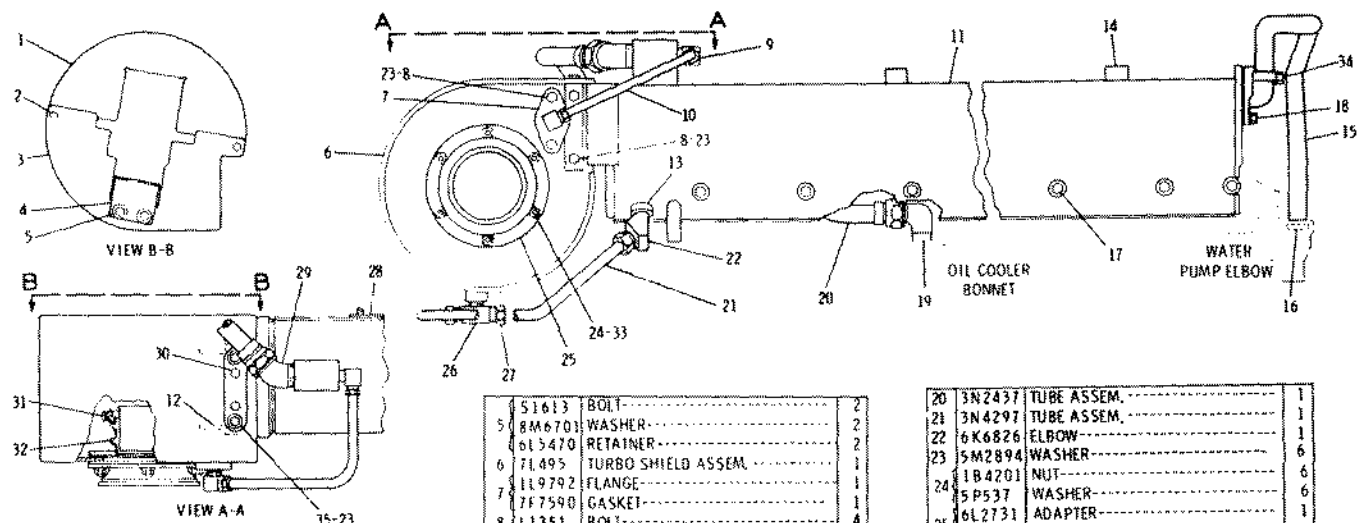
C 11	51614	BOLT-----	4
C 12	484276	WASHER-----	4
12	8M7145	WASHER-----	11
13	7L520	STUD-----	8

C INDICATES CHANGE

166127

INTAKE AND EXHAUST

8N859 EXHAUST MANIFOLD GROUP—Watercooled



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6L2737	SHIELD	1
2	6L1569	BOLT	2
2	8F2103	NUT	2
2	8M9936	LOCKWASHER	2
2	8H5505	WASHER	2
3	8L5121	SHIELD	1
4	6L5257	BRACKET	1

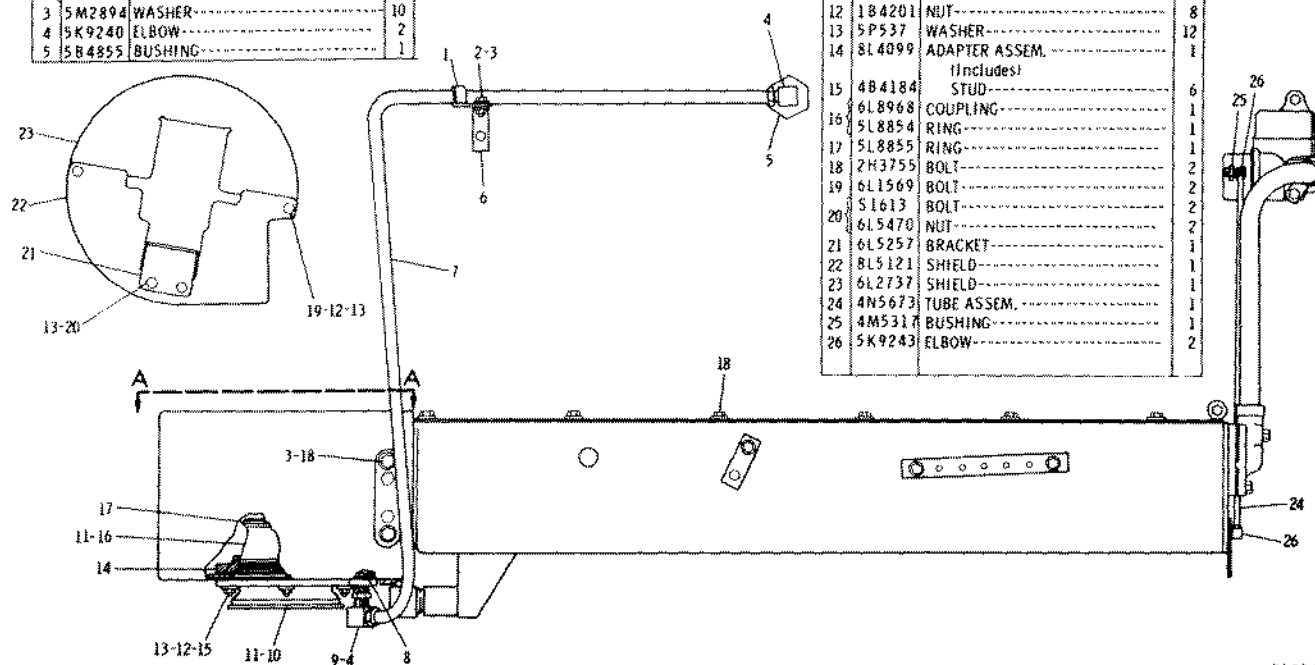
5	S1613	BOLT	2
5	8M6701	WASHER	2
6	6L5470	RETAINER	2
6	7L495	TURBO SHIELD ASSEM.	1
7	1L9792	FLANGE	1
7	7F7590	GASKET	1
8	L1351	BOLT	4
9	5K9244	ELBOW	2
10	3N4290	TUBE ASSEM.	1
11	6N3727	MANIFOLD ASSEM. (Includes)	1
12	6L8562	STUD	4
13	6B8692	BOSS	1
14	8D7729	BOSS	3
15	8N3744	TUBE ASSEM.	1
16	6L6580	GASKET	1
16	9M4849	SEAL	1
17	S1608	BOLT	7
18	S1594	BOLT	1
19	9S7296	ELBOW	1

20	3N2437	TUBE ASSEM.	1
21	3N4297	TUBE ASSEM.	1
22	6K6826	ELBOW	1
23	5M2894	WASHER	6
24	1B4201	NUT	6
24	5P537	WASHER	6
25	6L2731	ADAPTER	1
25	6L2732	GASKET	2
26	9S7730	TEE	1
27	5P1184	PLUG	1
28	8S6410	GASKET	3
29	2P1312	ELBOW	1
30	5B7890	PLUG	2
31	5L9316	CLAMP	1
32	6L7321	COUPLING	1
33	4B4184	STUD	6
34	S1590	BOLT	1
35	T102	BOLT	2

174358

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8F8513	CLIP-----	1
2	L1351	BOLT-----	1
2	1D4717	NUT-----	1
3	5M2894	WASHER-----	10
4	5K9240	ELBOW-----	2
5	5B4855	BUSHING-----	1

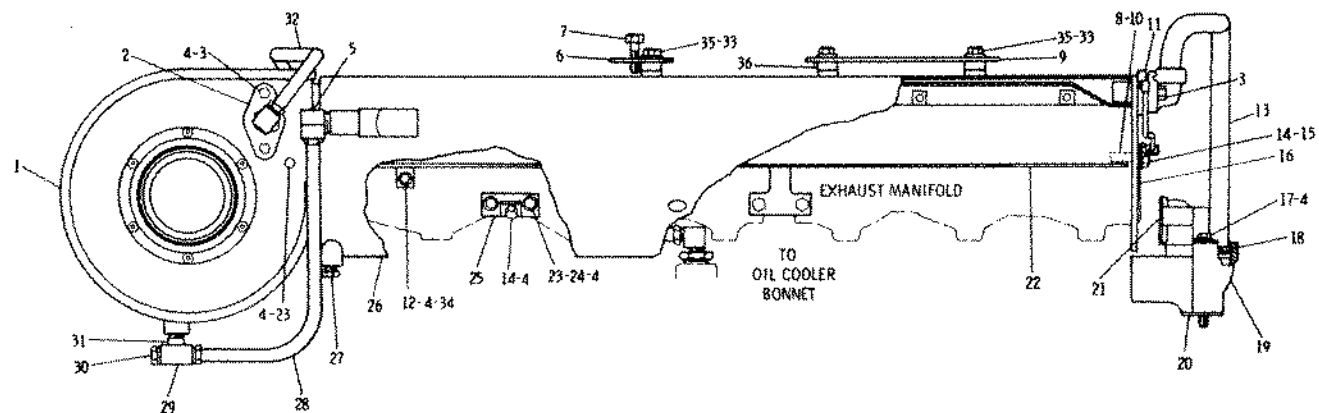
6	6N1115	BRACKET-----	1
7	4N5598	TUBE ASSEM.-----	1
8	2H7165	GASKET-----	1
9	8B2664	BUSHING-----	1
10	6L2731	ADAPTER-----	1
11	6L2732	GASKET-----	2
12	1B4201	NUT-----	8
13	5P537	WASHER-----	12
14	8L4099	ADAPTER ASSEM.-----	1
	(Includes)		
15	4B4184	STUD-----	6
16	6L8968	COUPLING-----	1
17	5L8854	RING-----	1
17	5L8855	RING-----	1
18	2H3755	BOLT-----	2
19	6L1569	BOLT-----	2
20	5L613	BOLT-----	2
20	6L5470	NUT-----	2
21	6L5257	BRACKET-----	1
22	8L5121	SHIELD-----	1
23	6L2737	SHIELD-----	1
24	4N5673	TUBE ASSEM.-----	1
25	4M5317	BUSHING-----	1
26	5K9243	ELBOW-----	2



218043

6N1302 MANIFOLD SHIELD GROUP—Water Cooled—Part 1—Type 1
 Serial No. 66D26832 to 66D33233 inclusive
 CANNOT BE USED WITH TURBOCHARGED AFTERCOOLED ENGINE
 AN ATTACHMENT

6N1302 MANIFOLD SHIELD GROUP—Water Cooled—Part 2—Type 1
 Serial No. 66D26832 to 66D33233 inclusive
 CANNOT BE USED WITH TURBOCHARGED AFTERCOOLED ENGINE
 AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	71495	SHIELD	1
2	2H5759	FLANGE	1
3	S1594	BOLT	4
4	5M2894	WASHER	11
5	5K9240	ELBOW	1
6	6N3676	CLAMP	1
7	1B7182	BOLT	1
8	S1585	BOLT	1
9	2M849	WASHER	1
10	6N3308	CLAMP	1
11	1V8230	SPACER	1
12	616580	GASKET	1

13	6N7884	TUBE ASSEM.	1
14	2H3755	BOLT	2
15	9M1974	WASHER	1
16	6N3602	BRACKET	1
17	155	BOLT	1
18	5L6573	LUG	1
19	9M4849	SEAL	1
20	3N3161	ELBOW	1
21	2P406	GASKET	1
22	2P6132	GASKET	1
23	6N7888	SHIELD ASSEM.	1
24	S509	BOLT	6
25	8L4964	NUT (spacer)	4
26	8L4965	SUPPORT ASSEM.	1
27	7N7837	SHIELD ASSEM.	1
28	3J5390	PLUG	1

29	2N8979	TUBE ASSEM.	1
30	9S7731	TEE	1
31	3P2048	PLUG	1
32	1H1363	ELBOW	1
33	6N1481	TUBE ASSEM.	1
34	8M9024	WASHER	3
35	4B4278	WASHER	3
36	3B1915	BOLT	3
37	8B8679	SPACER	3

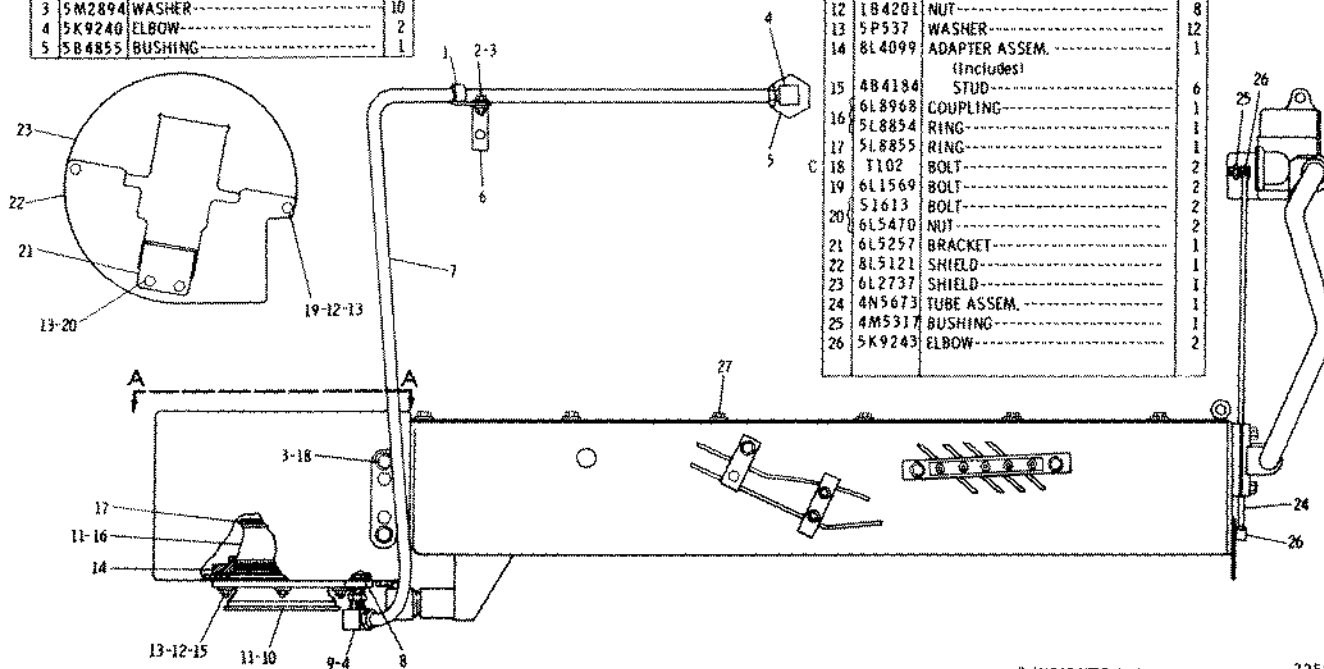
C INDICATES CHANGE

217902

INTAKE AND EXHAUST SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8F8513	CLIP-----	1
2	1L1351	BOLT-----	1
2	1D4717	NUT-----	1
3	5M2894	WASHER-----	10
4	5K9240	ELBOW-----	2
5	5B4855	BUSHING-----	1

6	6N1115	BRACKET-----	1
7	4N5598	TUBE ASSEM.-----	1
8	2H7165	GASKET-----	1
9	8B2664	BUSHING-----	1
10	6L2731	ADAPTER-----	1
11	6L2732	GASKET-----	2
12	1B4201	NUT-----	8
13	5P537	WASHER-----	12
14	8L4099	ADAPTER ASSEM.-----	1
		(Includes)	
15	4B4184	STUD-----	6
16	6L8968	COUPLING-----	1
16	5L8854	RING-----	1
17	5L8855	RING-----	1
18	T102	BOLT-----	2
19	6L1569	BOLT-----	2
20	5J613	BOLT-----	2
20	6L5470	NUT-----	2
21	6L5257	BRACKET-----	1
22	8L5121	SHIELD-----	1
23	6L2737	SHIELD-----	1
24	4N5673	TUBE ASSEM.-----	1
25	4M5317	BUSHING-----	1
26	5K9243	ELBOW-----	2



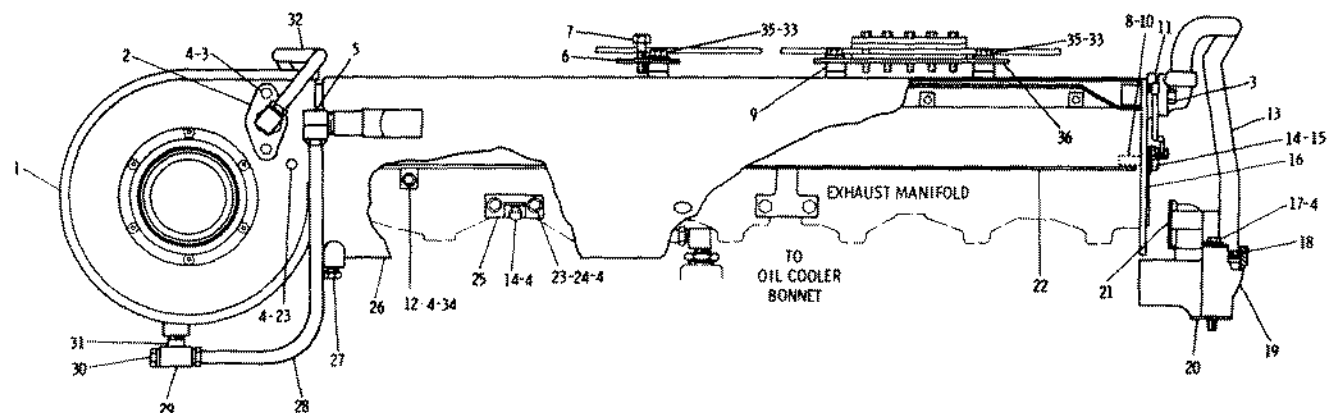
C INDICATES CHANGE

225557

6N1302 MANIFOLD SHIELD GROUP—Water Cooled—Part 1—Type 2
 Serial No. 66D26832 to 66D33233 inclusive
 CANNOT BE USED WITH TURBOCHARGED AFTERCOOLED ENGINE

ORIGINAL ENGINE

6N1302 MANIFOLD SHIELD GROUP—Water Cooled—Part 2—Type 2
 Serial No. 66D26832 to 66D33233 inclusive
 CANNOT BE USED WITH TURBOCHARGED AFTERCOOLED ENGINE
 7N3987 Fuel Injection Lines parts are shown on Page 235. AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7L495	SHIELD	1
2	2H5759	FLANGE	1
3	51594	BOLT	4
4	5M2894	WASHER	11
5	5K9240	ELBOW	1
6	6N3676	CLAMP	1
7	1B7182	BOLT	1
8	51585	BOLT	1
9	2M849	WASHER	1
10	1V8230	SPACER	1
11	6L6580	GASKET	1
12	11351	BOLT	1

13	8N3741	TUBE ASSEM.	1
14	2H3755	BOLT	2
15	9M1974	WASHER	1
16	6N3602	BRACKET	1
17	T55	BOLT	1
18	5L6573	LUG	1
19	9M4849	SEAL	1
20	3N3161	ELBOW	1
21	2P406	GASKET	1
22	2P6132	GASKET	1
23	6N7888	SHIELD ASSEM.	1
24	5509	BOLT	6
25	8L4964	NUT (spacer)	4
26	8L4965	SUPPORT ASSEM.	1
27	7N7837	SHIELD ASSEM.	1
28	3J5390	PLUG	1

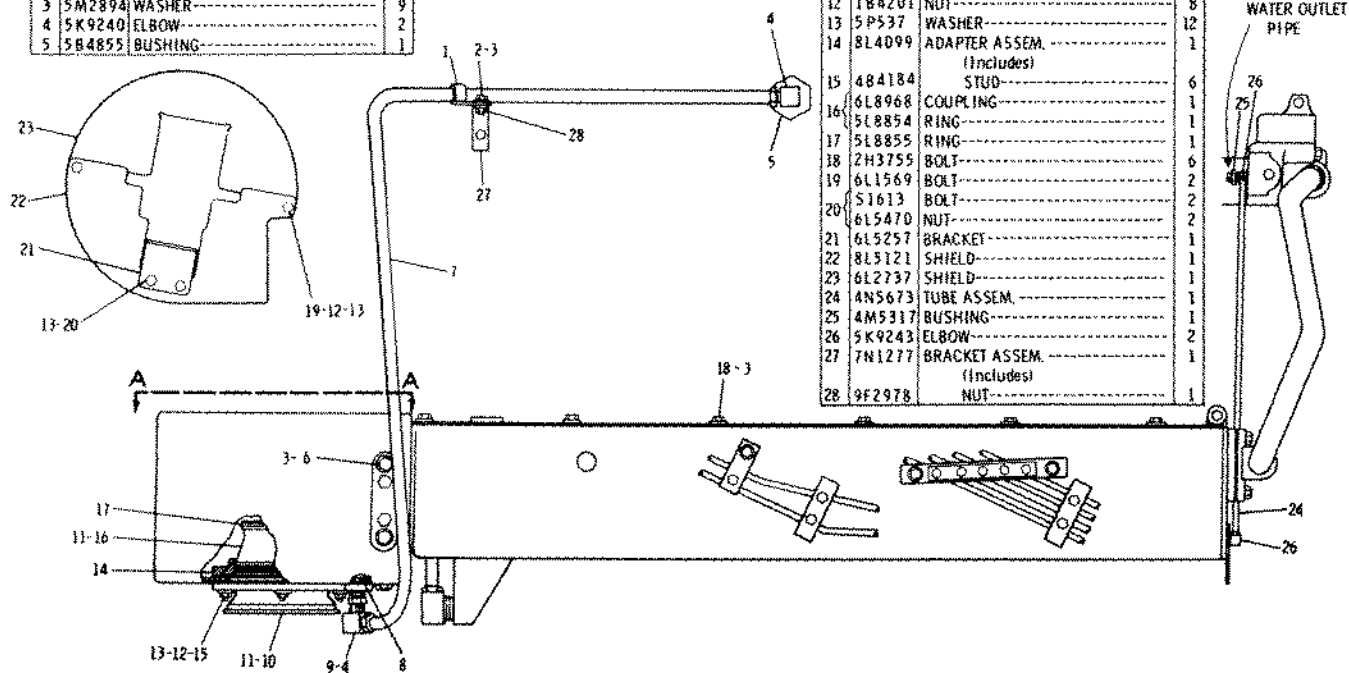
▲ USE AS REQUIRED

29	2N8979	TUBE ASSEM.	1
30	957731	TEE	1
31	3P2048	PLUG	1
32	1H1363	ELBOW	1
33	6N1481	TUBE ASSEM.	1
34	8M9024	WASHER	3
35	4B4278	WASHER	3
36	3B1915	BOLT	3
37	7N3987	LINES GROUP	1
(Separate Illustration)			

C INDICATES CHANGE

225556

REF NO	PART NUMBER	DESCRIPTION	QTY
1	8F8513	CLIP	1
2	L1351	BOLT	1
3	5M2894	WASHER	9
4	5K9240	ELBOW	2
5	5B4855	BUSHING	1



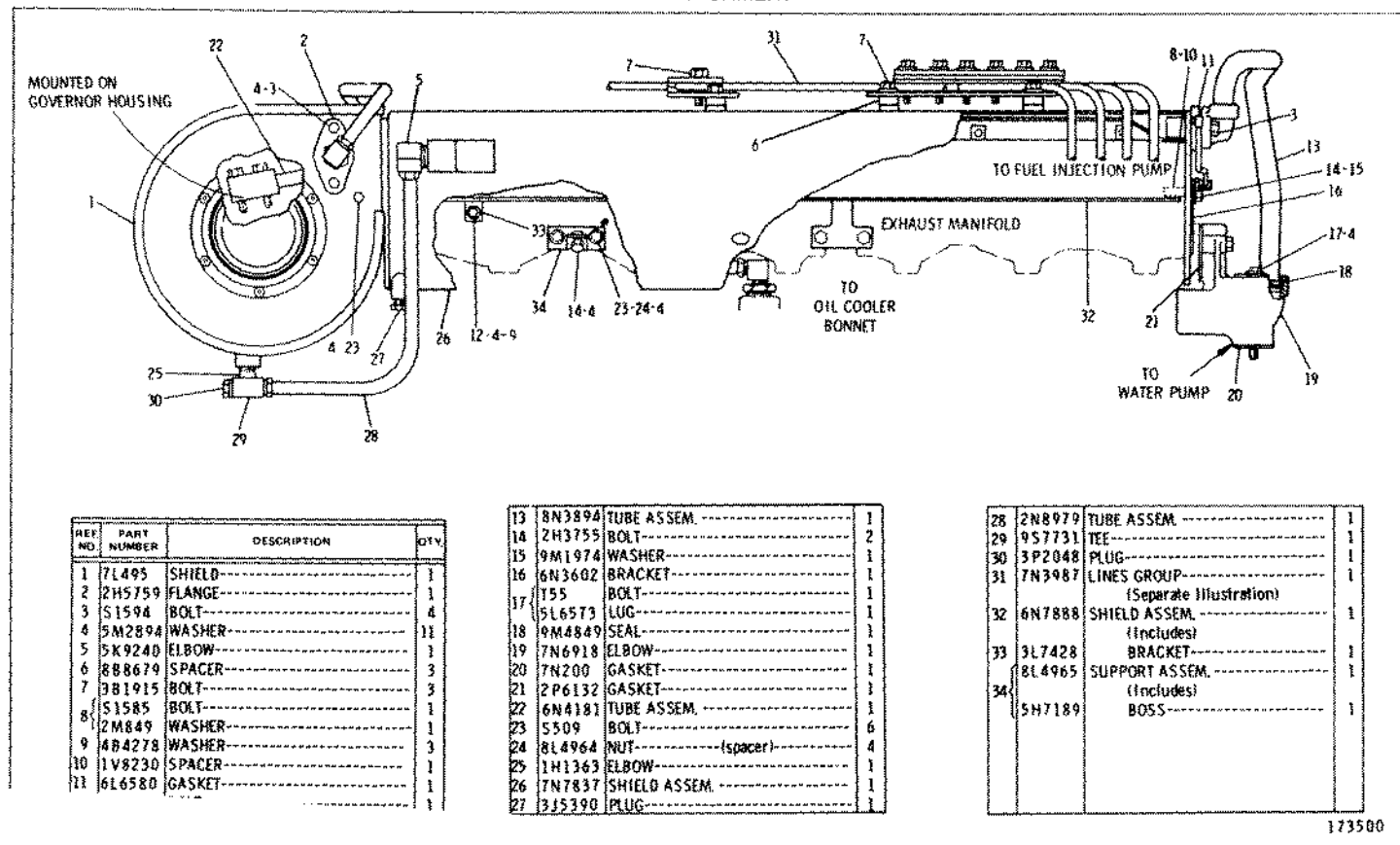
6	1102	BOLT	2
7	4N5598	TUBE ASSEM	1
8	2H7165	GASKET	1
9	8B2664	BUSHING	1
10	6L2731	ADAPTER	1
11	6L2732	GASKET	2
12	1B4201	NUT	8
13	5P537	WASHER	12
14	8L4099	ADAPTER ASSEM	1
		(Includes)	
15	4B4184	STUD	6
16	6L8968	COUPLING	1
17	5L8854	RING	1
18	5L8855	RING	1
19	2H3755	BOLT	6
20	6L1569	BOLT	2
21	51613	BOLT	2
22	6L5470	NUT	2
23	6L5257	BRACKET	1
24	8L5121	SHIELD	1
25	6L2737	SHIELD	1
26	4N5673	TUBE ASSEM	1
27	4M5317	BUSHING	1
28	5K9243	ELBOW	2
	7N1277	BRACKET ASSEM	1
		(Includes)	
	9F2978	NUT	1

INDUSTRIAL ENGINE

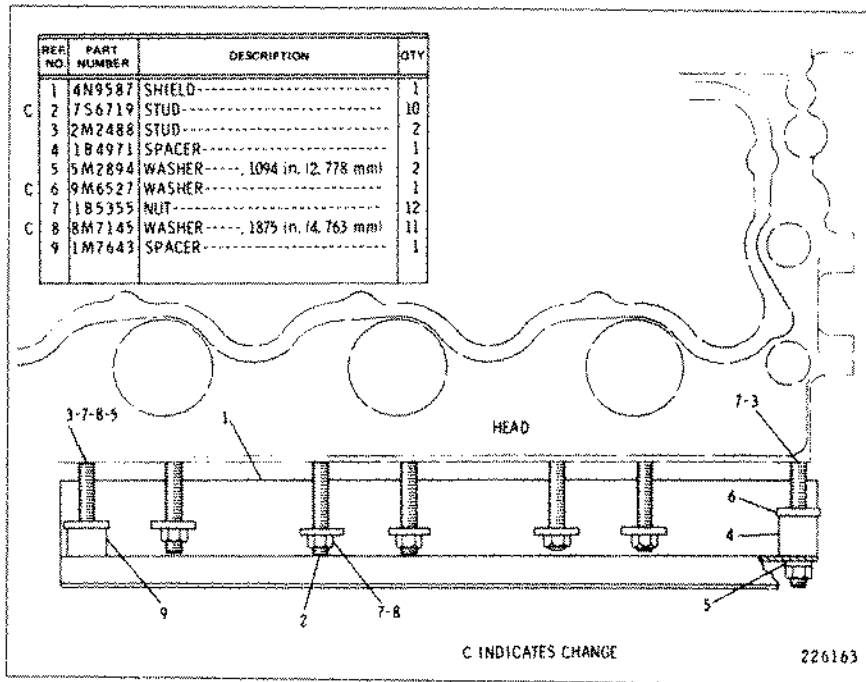
173499

8N865 MANIFOLD SHIELD GROUP—Water Cooled—Part 1
Serial No. 66D33234—Up. AN ATTACHMENT

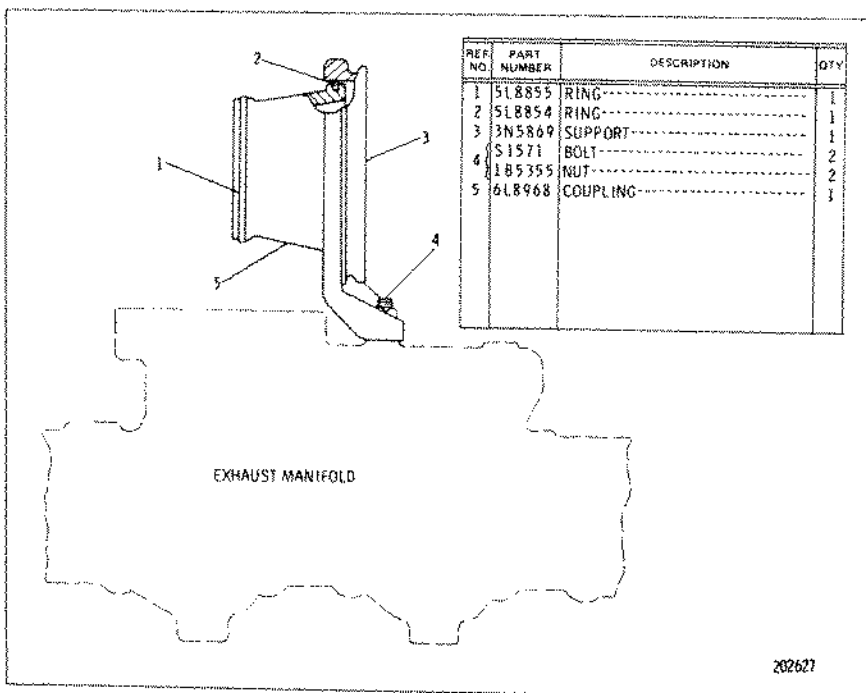
8N865 MANIFOLD SHIELD GROUP—Water Cooled—Part 2
 Serial No. 66D33234—Up
 7N3987 Fuel Injection Lines parts are shown on Page 235
 AN ATTACHMENT



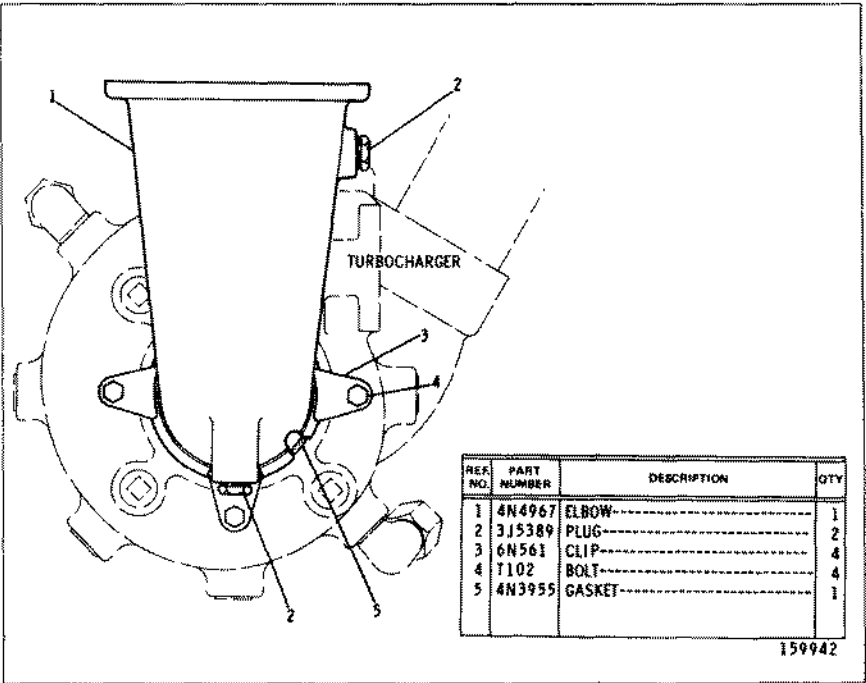
INDUSTRIAL ENGINE



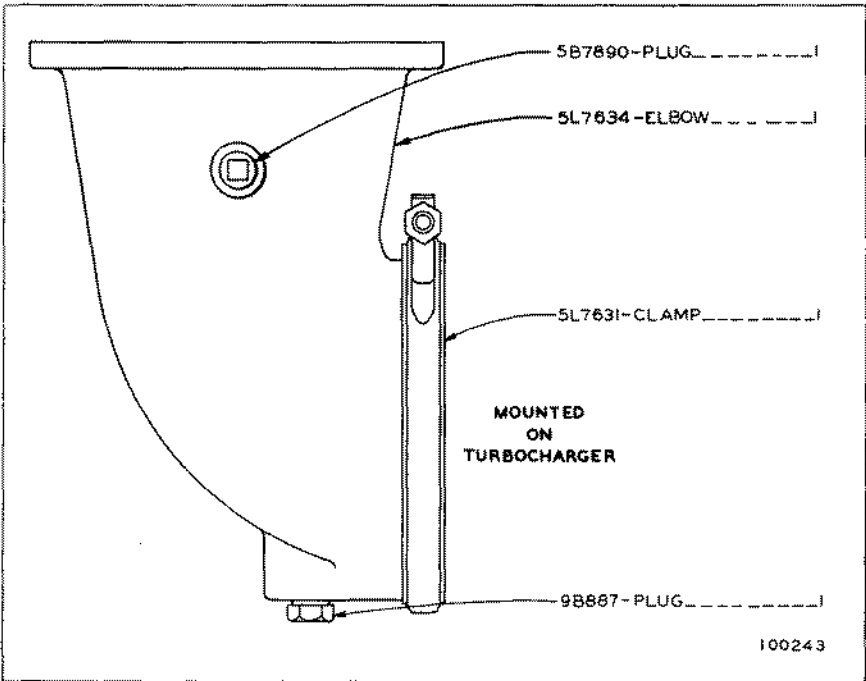
4N9586 EXHAUST MANIFOLD FASTENER GROUP



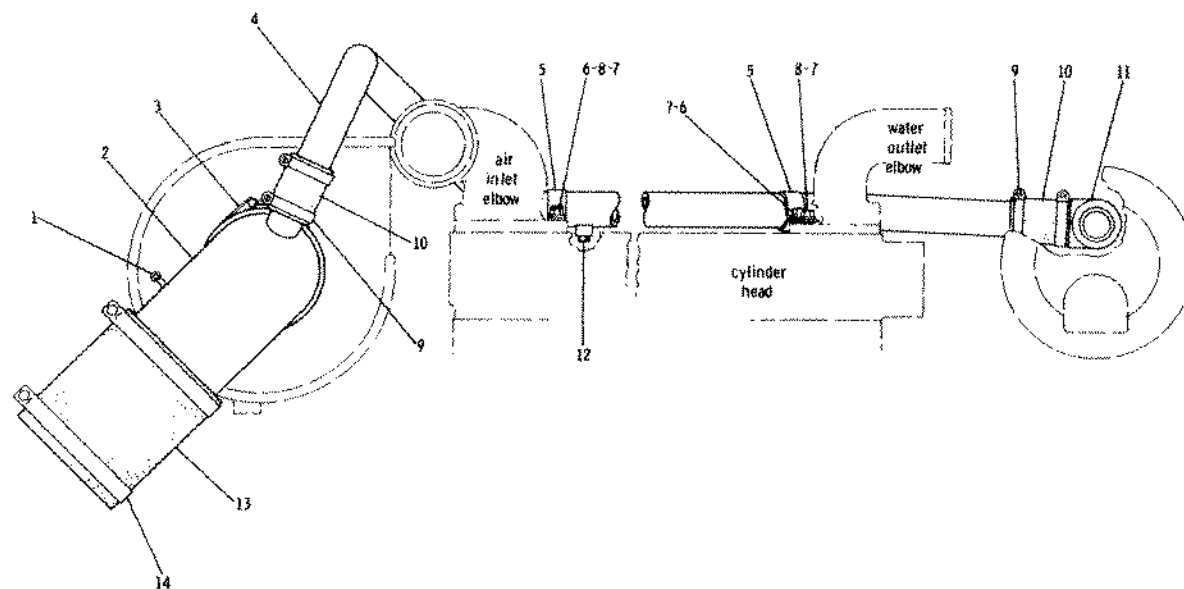
3N5870 EXHAUST ELBOW ADAPTER GROUP—Steiger Turbocharged Engine



6N6093 EXHAUST ELBOW GROUP
FOR USE WITH WATER COOLED TURBOCHARGER
AN ATTACHMENT



5L7661 EXHAUST ELBOW GROUP—5 in.
FOR USE WITH WATER COOLED HOT TURBOCHARGERS



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5L4126	NUT-----	1
2	8L5274	ELBOW-----	1
3	5L7631	CLAMP-----	1

4	3N6071	TUBE ASSEM.-----	1
5	8L5251	CLIP-----	2
6	11351	BOLT-----, .875 in. (22.23 mm) long	2
7	104717	NUT-----	2
8	5M2894	WASHER-----	7
9	3B1915	BOLT-----1.375 in. (34.93 mm) long	2
10	9M164	CLAMP-----	4
11	5P1256	HOSE-----15.24 cm (6 in.)	1

12	5L7931	ELBOW-----	1
13	4L2768	PLUG-----	1
14	5L6926	HOSE-----	1
15	5P600	CLAMP-----	2

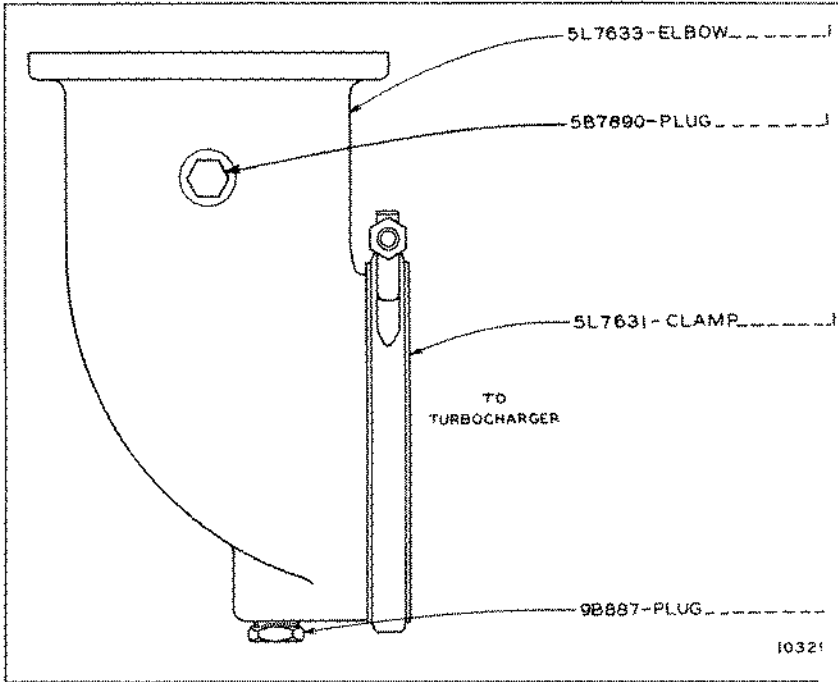
C INDICATES CHANGE

A ORDER BY THE CENTIMETRE

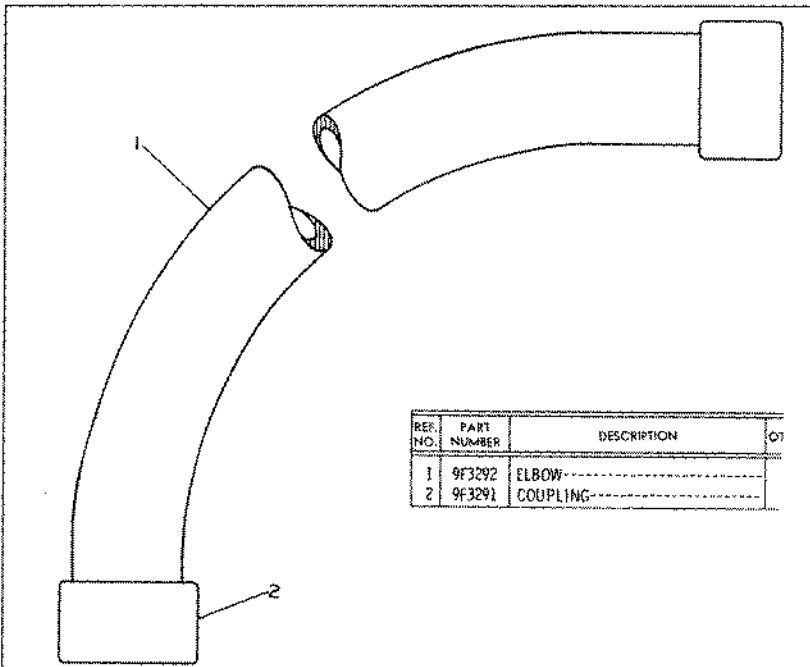
204125

3N6073 EXHAUST ELBOW GROUP—Water Cooled
AN ATTACHMENT

3N6073 3506 INDUSTRIAL ENGINE

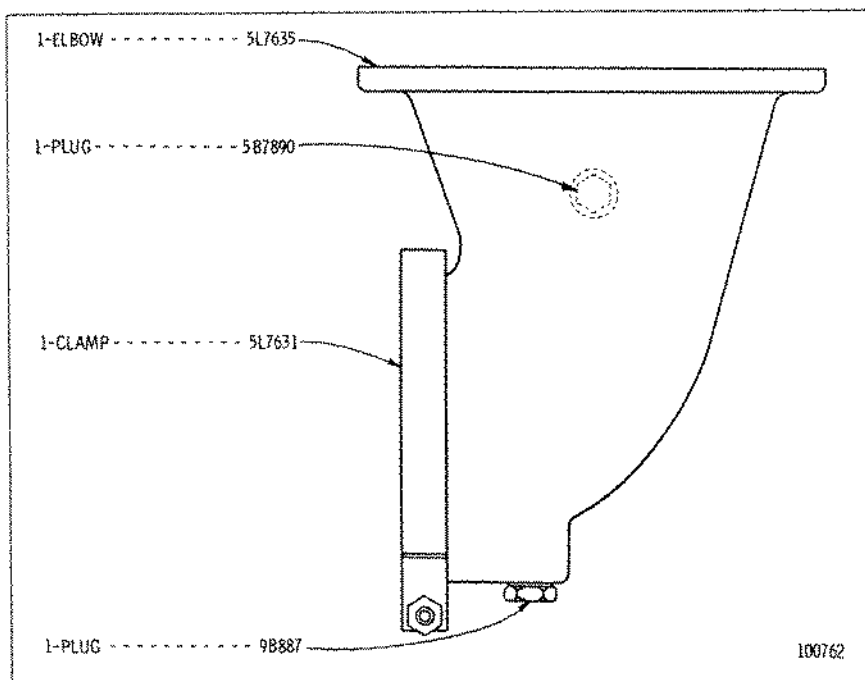


5L7660 EXHAUST ELBOW GROUP—4 Inch (102 mm)
AN ATTACHMENT

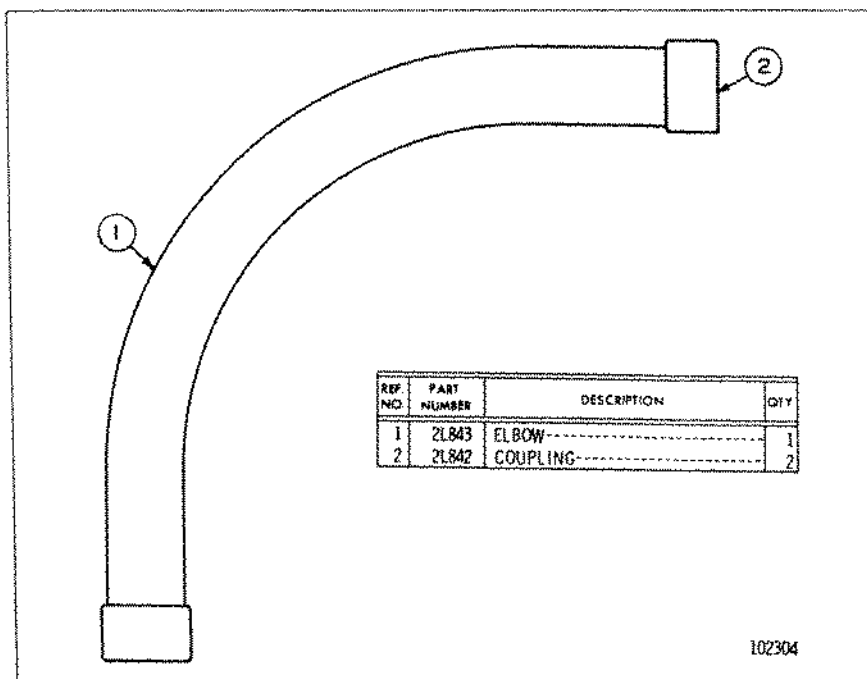


5L7660 Exhaust Elbow Group—5 Inch (127 mm)

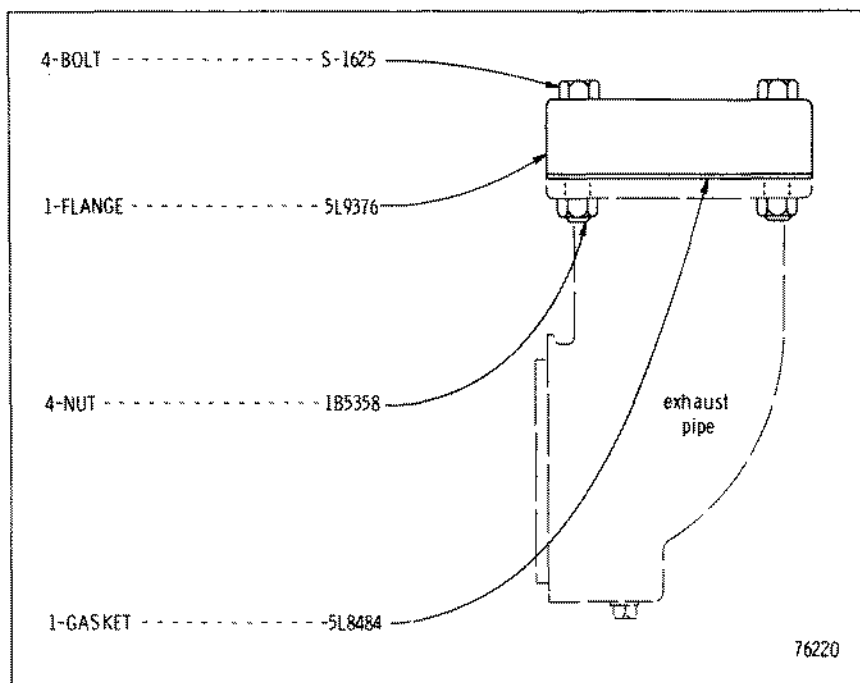
INDUSTRIAL ENGINE



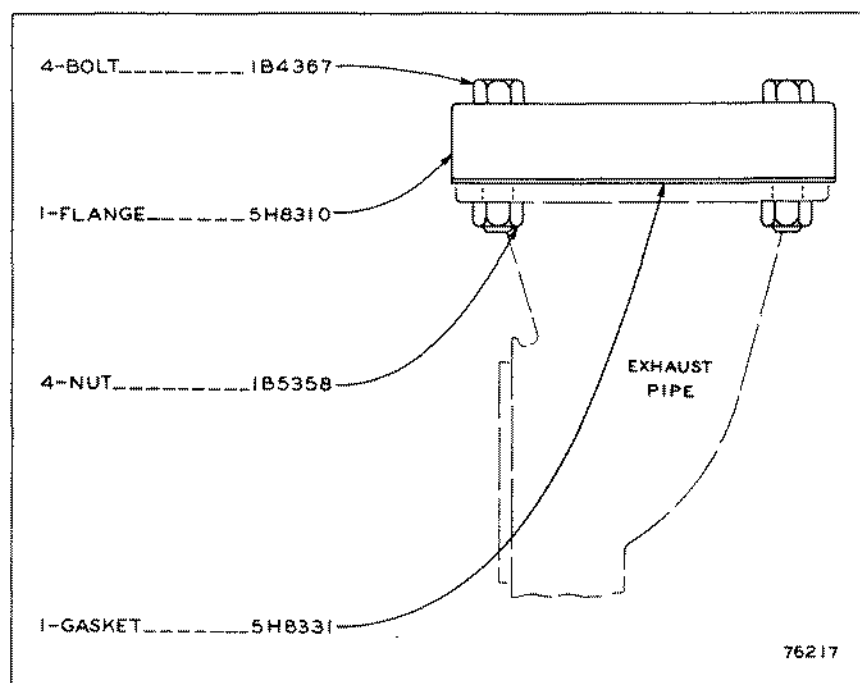
6L2927 EXHAUST ELBOW GROUP—6 Inch (152 mm)
AN ATTACHMENT



7L447 EXHAUST ELBOW GROUP—90 Degree Bend—6 Inch (152 mm)
AN ATTACHMENT

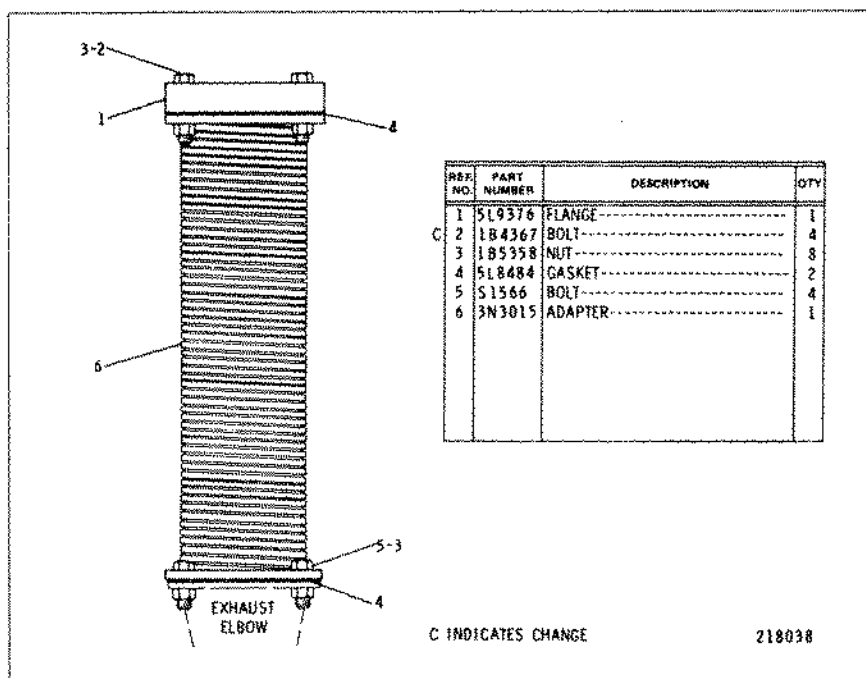


5L9377 EXHAUST FITTING GROUP—5 inch (127 mm)
AN ATTACHMENT

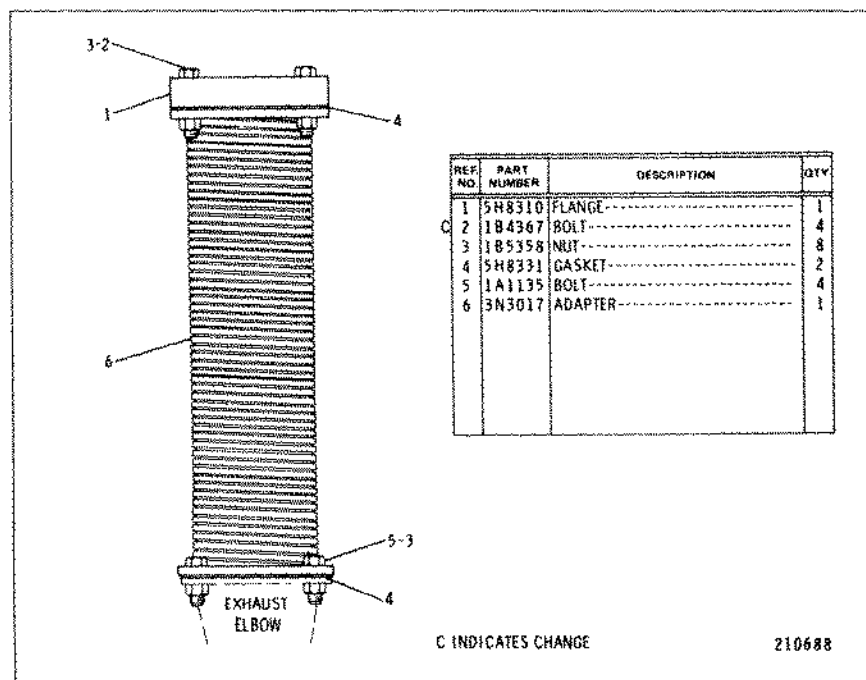


5L8601 EXHAUST FITTING GROUP—6 inch (152 mm)
FOR USE WHEN 166 H.P. TO MAXIMUM H.P. IS SPECIFIED

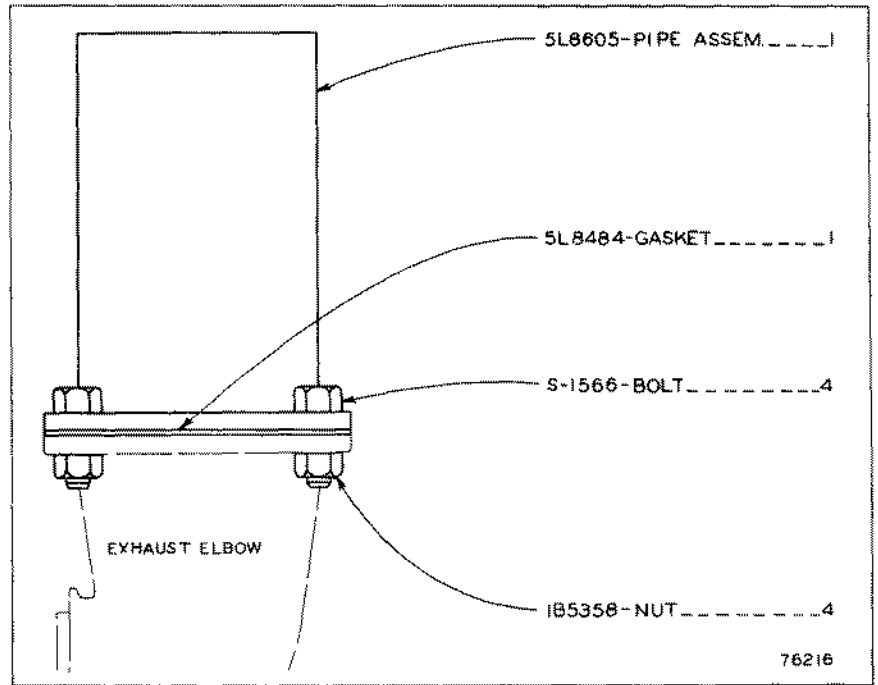
1000 INDUSTRIAL ENGINE



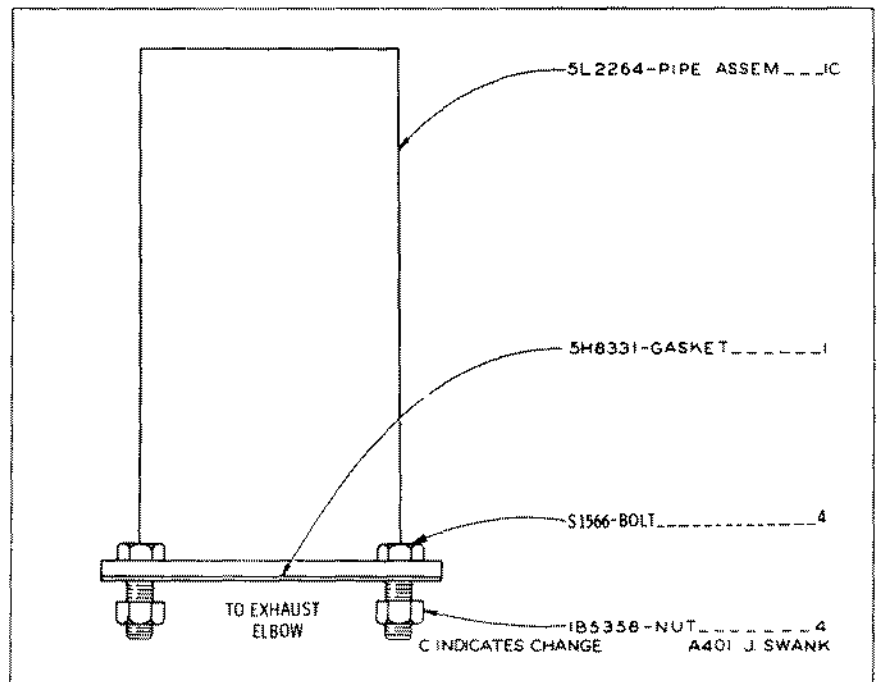
3N3016 VERTICAL EXHAUST FITTING GROUP—5 Inch (127 mm)
AN ATTACHMENT



3N3018 VERTICAL EXHAUST FITTING GROUP—6 Inch (152 mm)
AN ATTACHMENT

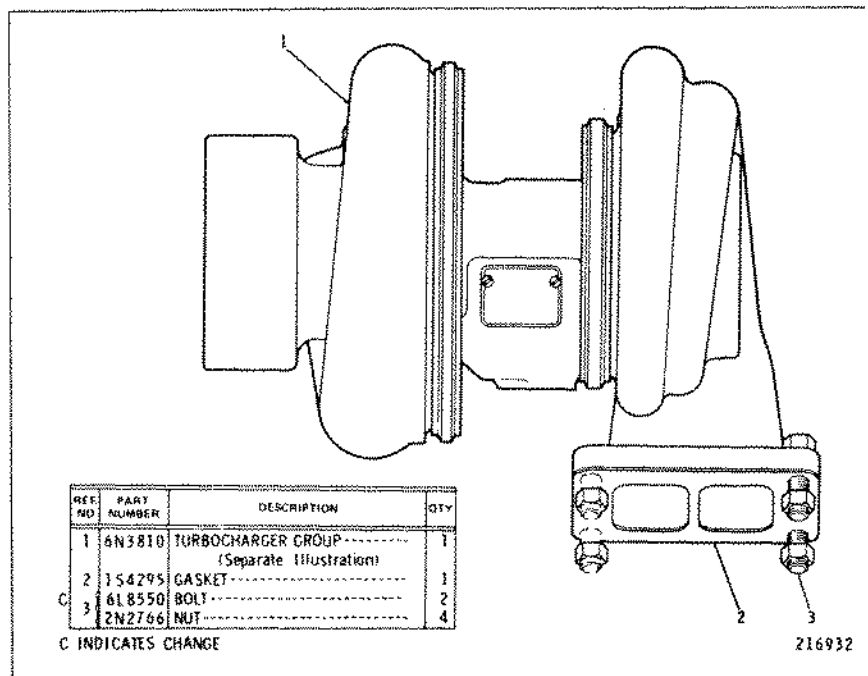


5L8632 EXHAUST PIPE GROUP—5 Inch (127 mm)
AN ATTACHMENT

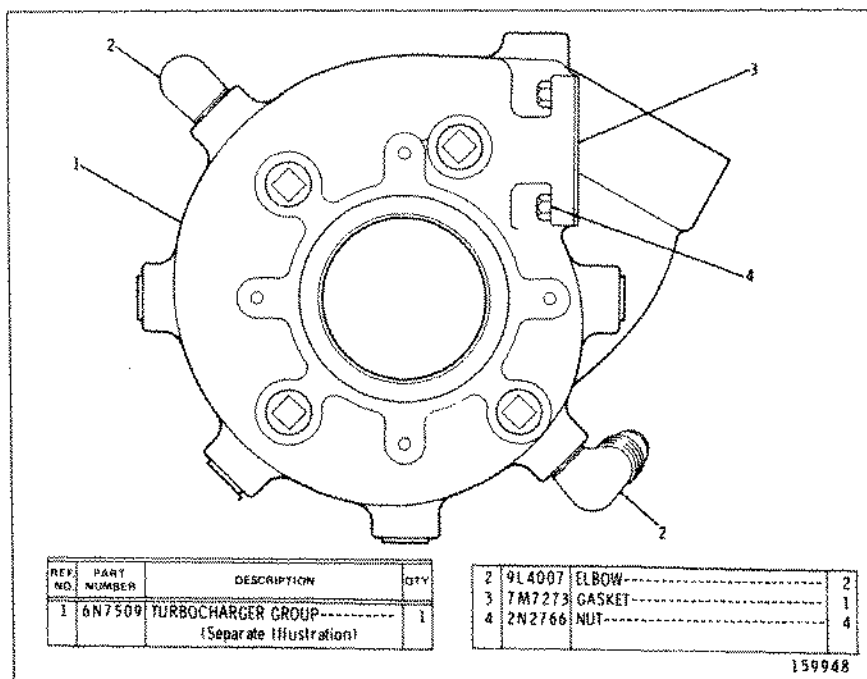


4L5801 EXHAUST PIPE GROUP—6 Inch (152 mm)
AN ATTACHMENT

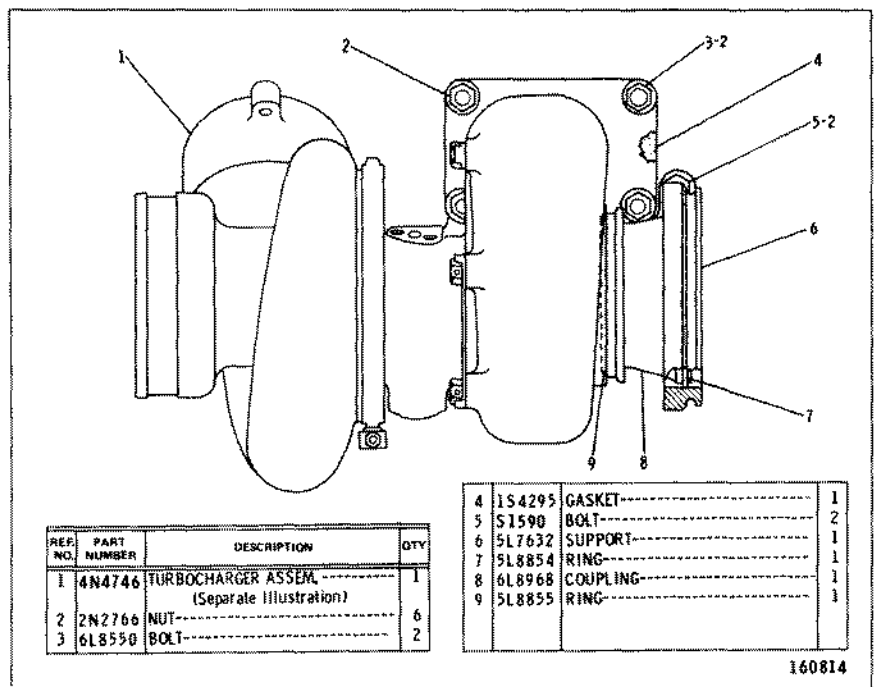
6N3810 INDUSTRIAL ENGINE



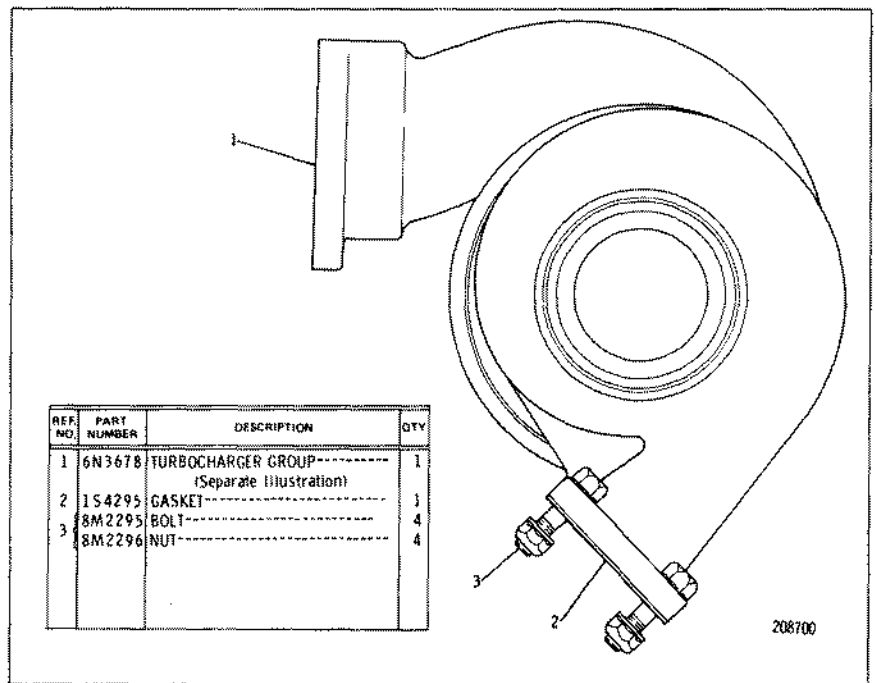
6N3744 TURBOCHARGER GROUP
6N3810 Turbocharger parts are shown on Page 150



6N5961 TURBOCHARGER GROUP
6N7509 Turbocharger parts are shown on Page 150

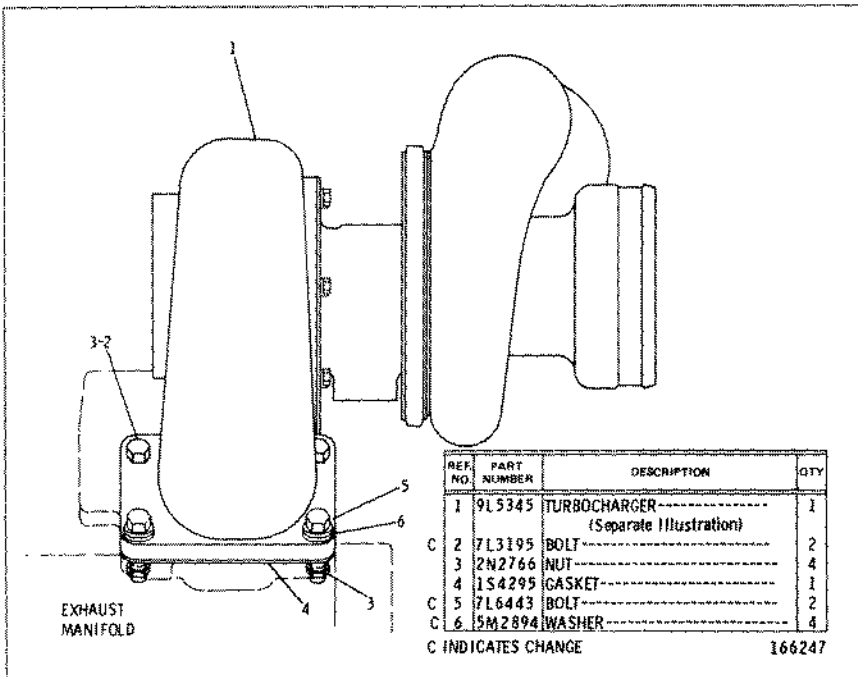


6N9296 TURBOCHARGER GROUP
4N4746 Turbocharger parts are shown on Page 153

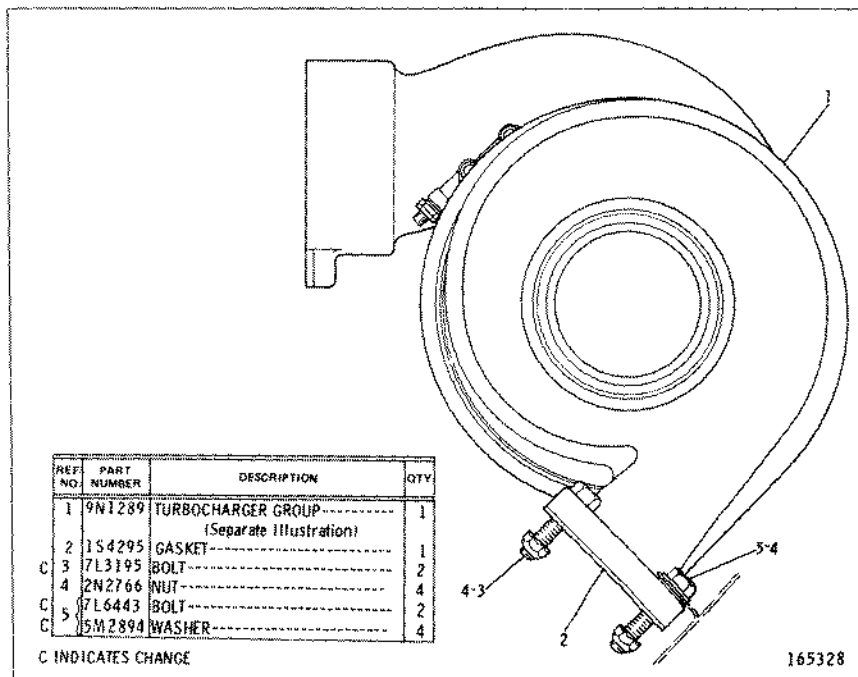


6N3477 TURBOCHARGER GROUP
6N3678 Turbocharger parts are shown on Page 154

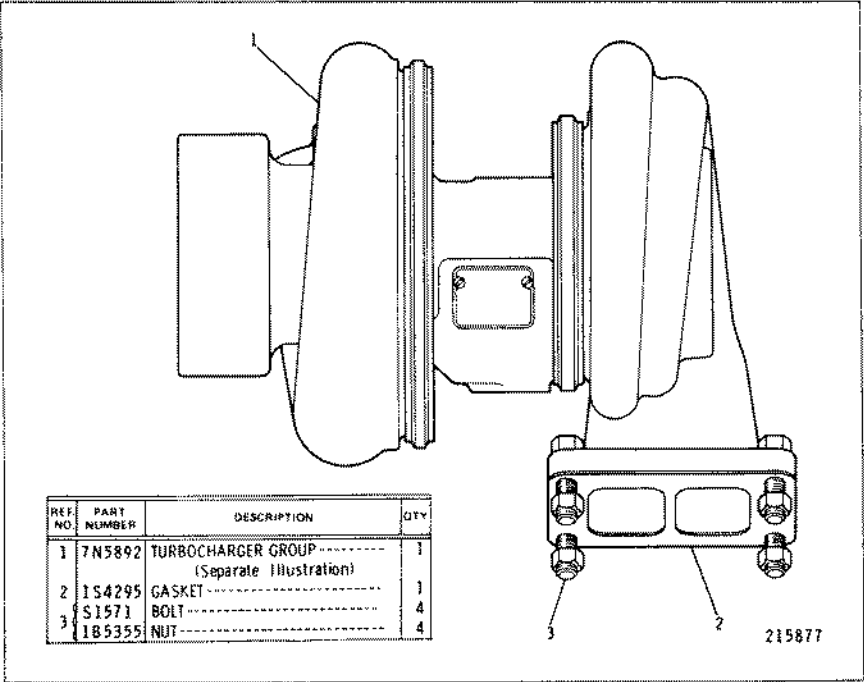
ENGINE EXHAUST



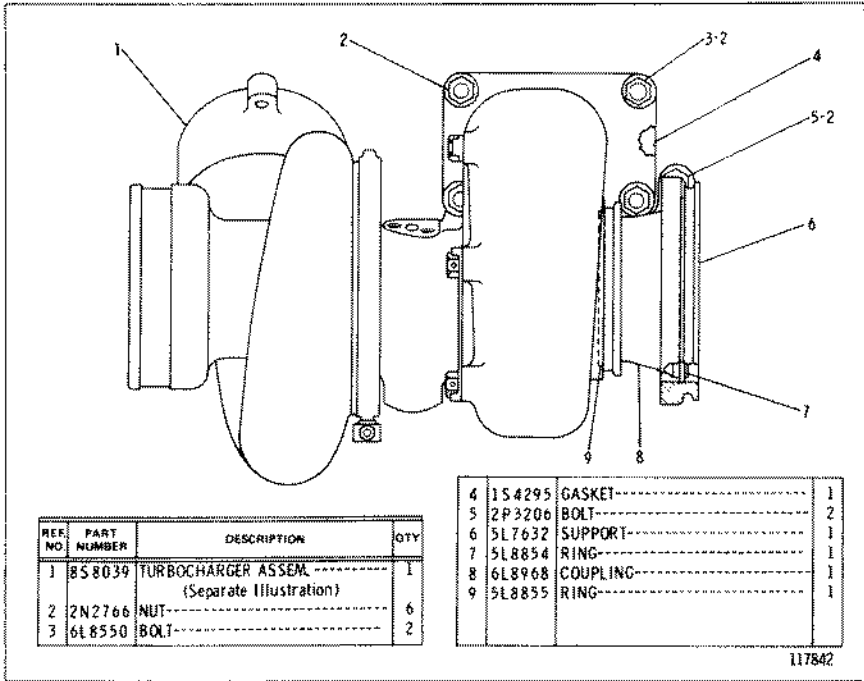
9L5802 TURBOCHARGER GROUP
9L5345 Turbocharger parts are shown on Page 149



9N1290 TURBOCHARGER GROUP
9N1289 Turbocharger parts are shown on Page 155

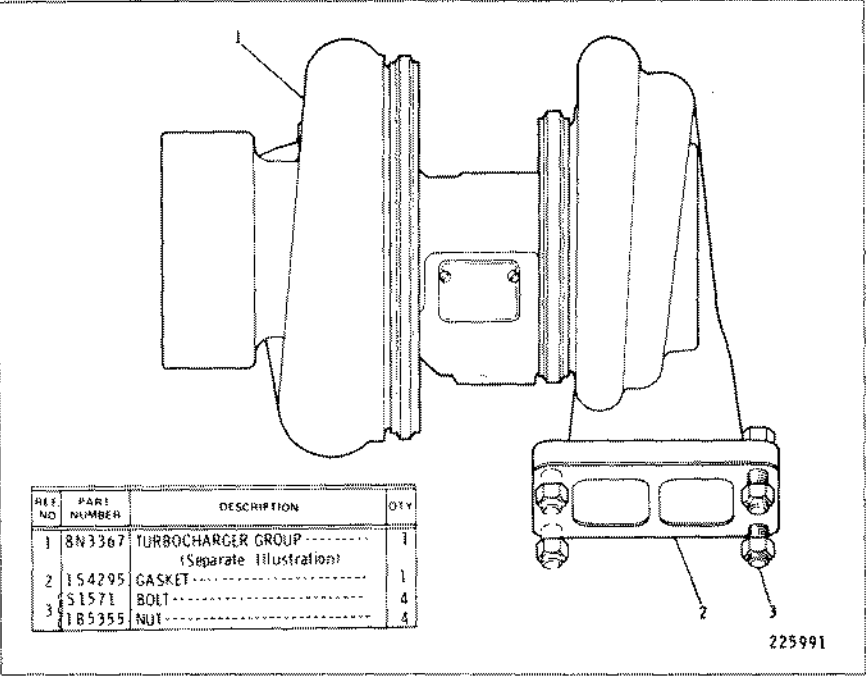


7N5890 TURBOCHARGER GROUP
7N5892 Turbocharger parts are shown on Page 156

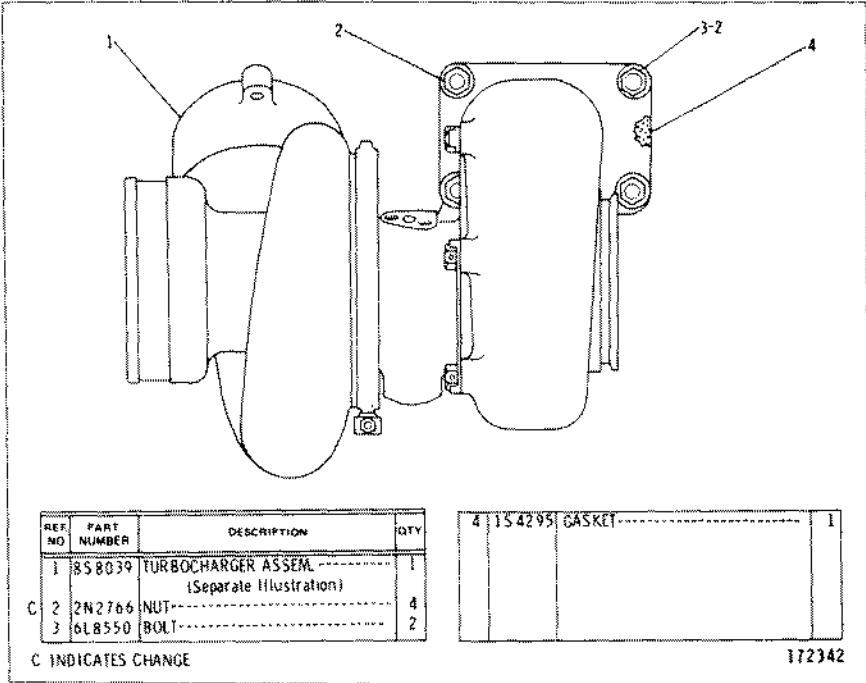


2N5892 TURBOCHARGER GROUP

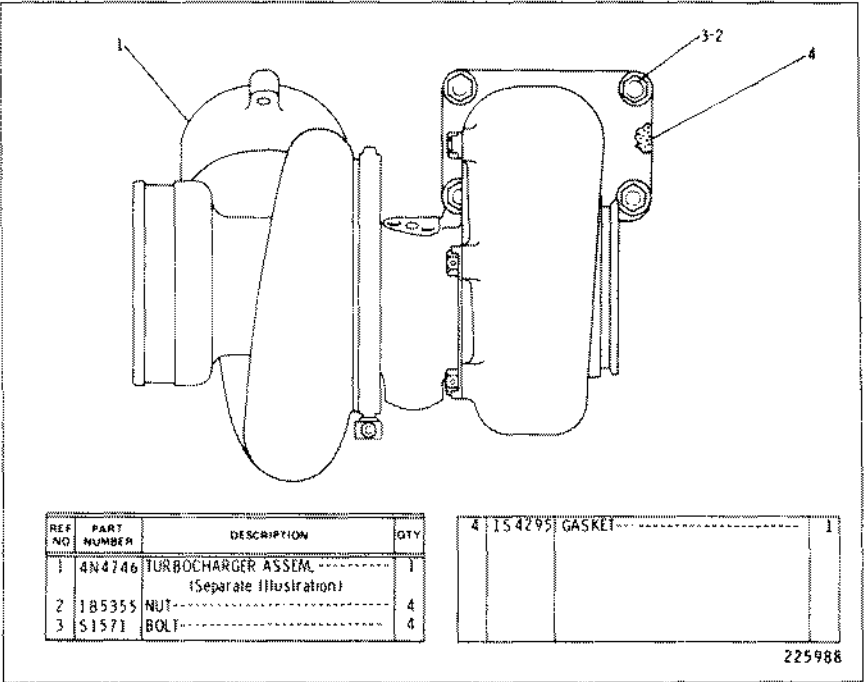
147A CATERPILLAR 3306 INDUSTRIAL ENGINE



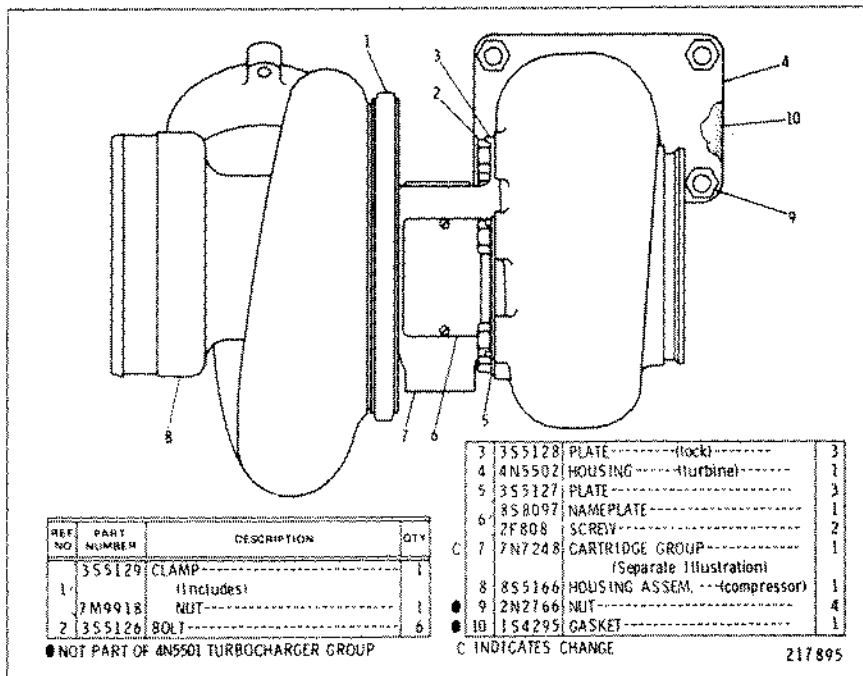
8N3382 TURBOCHARGER GROUP
8N3367 Turbocharger parts are shown on Page 150A



3N2882 TURBOCHARGER GROUP

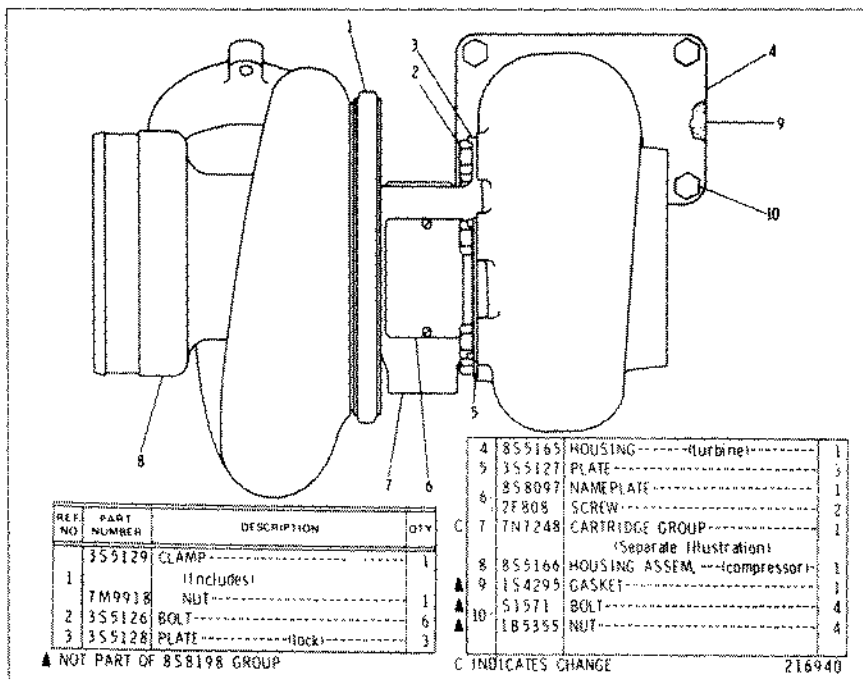


8N4172 TURBOCHARGER GROUP
4N4746 Turbocharger parts are shown on Page 153



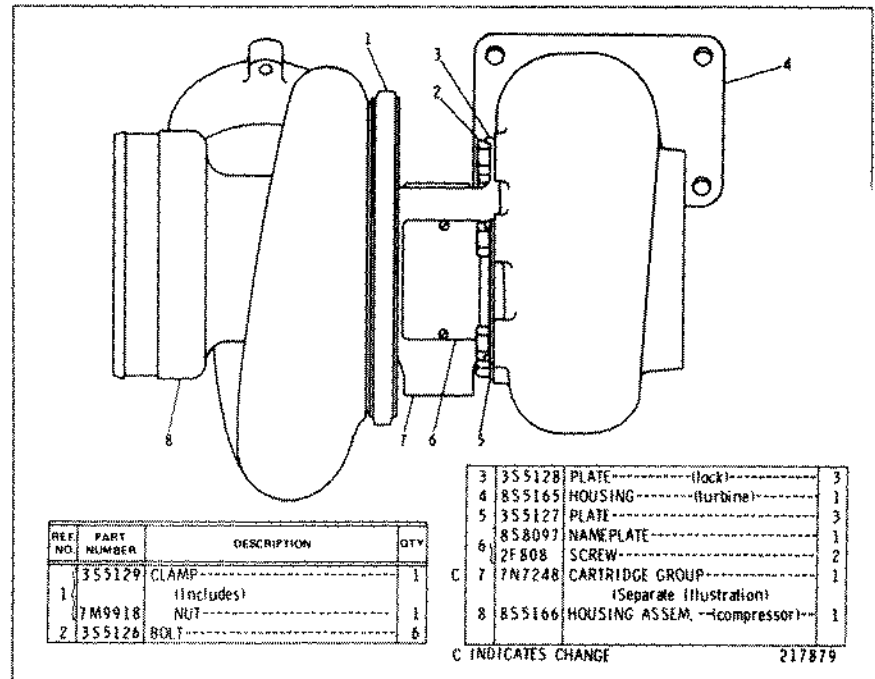
4N5501 TURBOCHARGER GROUP (3N3280 N/S)

7N7248 Cartridge parts are shown on Page 158

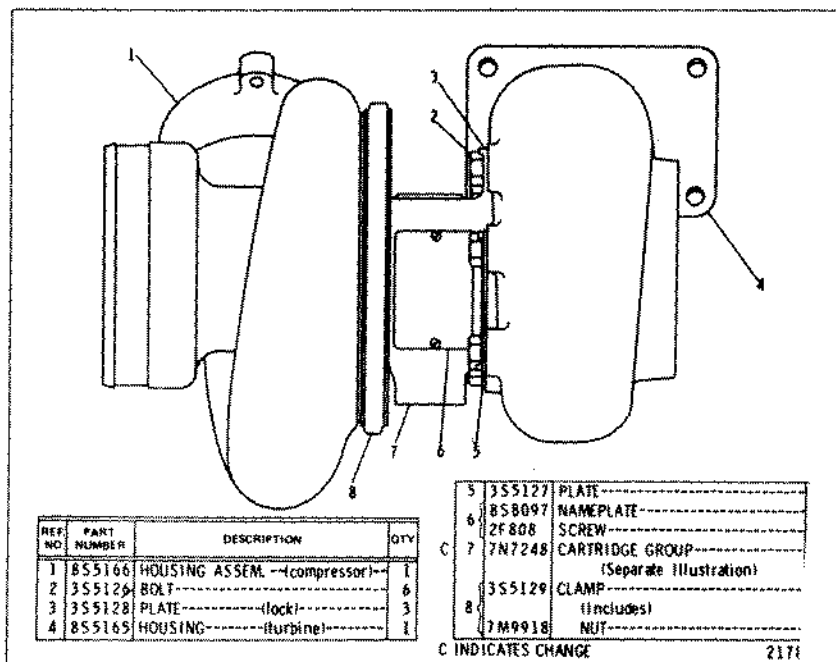


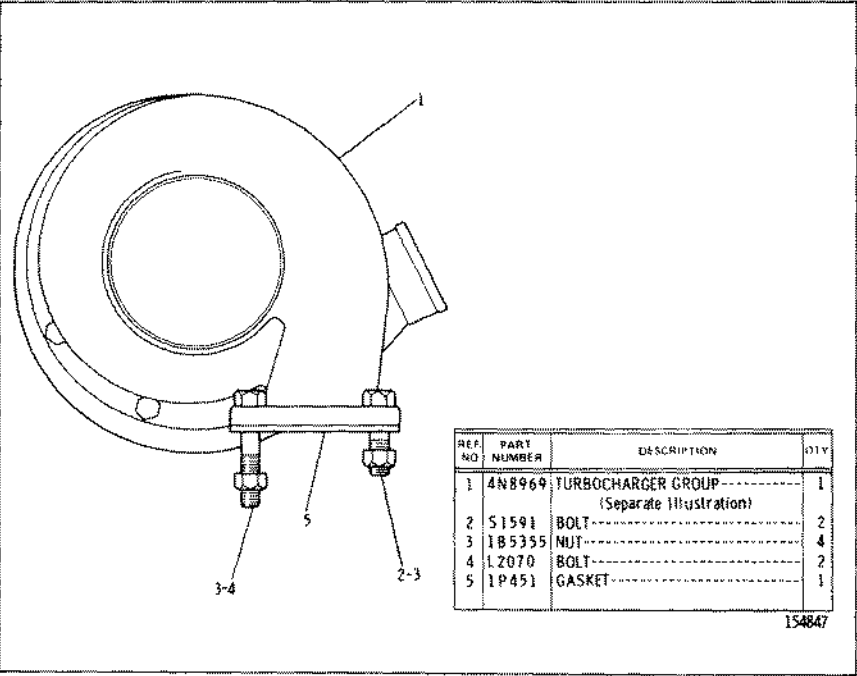
8S8198 TURBOCHARGER GROUP (8S8200 N/S)—Replaced by

8S8199 shown on Page 149



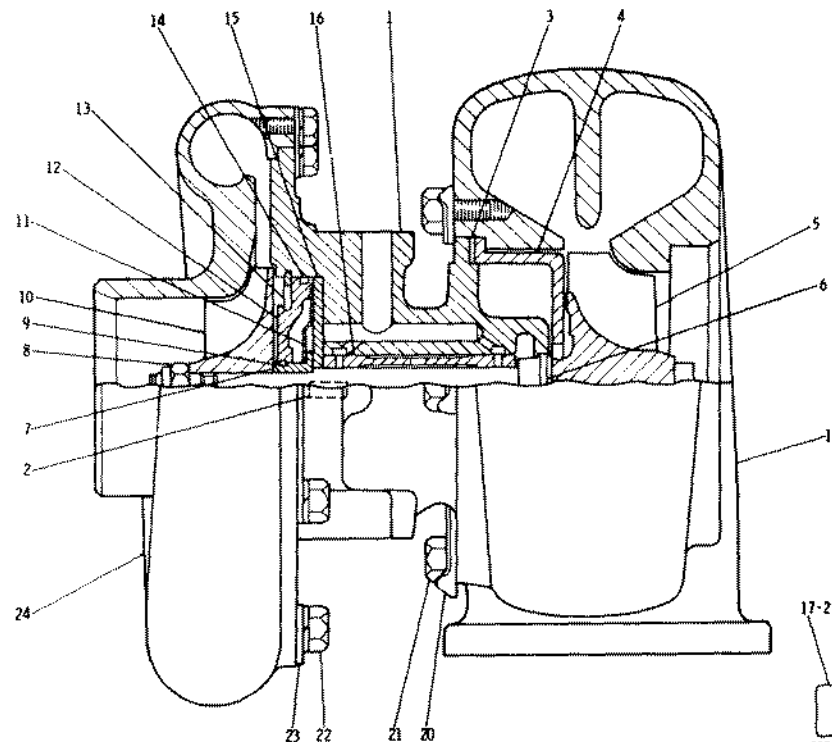
8S8039 TURBOCHARGER GROUP—Field Installation
Also part of 3N2882 Turbocharger Group shown on Page 147
7N7248 Cartridge parts are shown on Page 158





4N8970 TURBOCHARGER GROUP
4N8969 Turbocharger parts are shown on Page 149B

4N8969 TURBOCHARGER GROUP
Part of 4N8970 Turbocharger Group shown on Page 149A

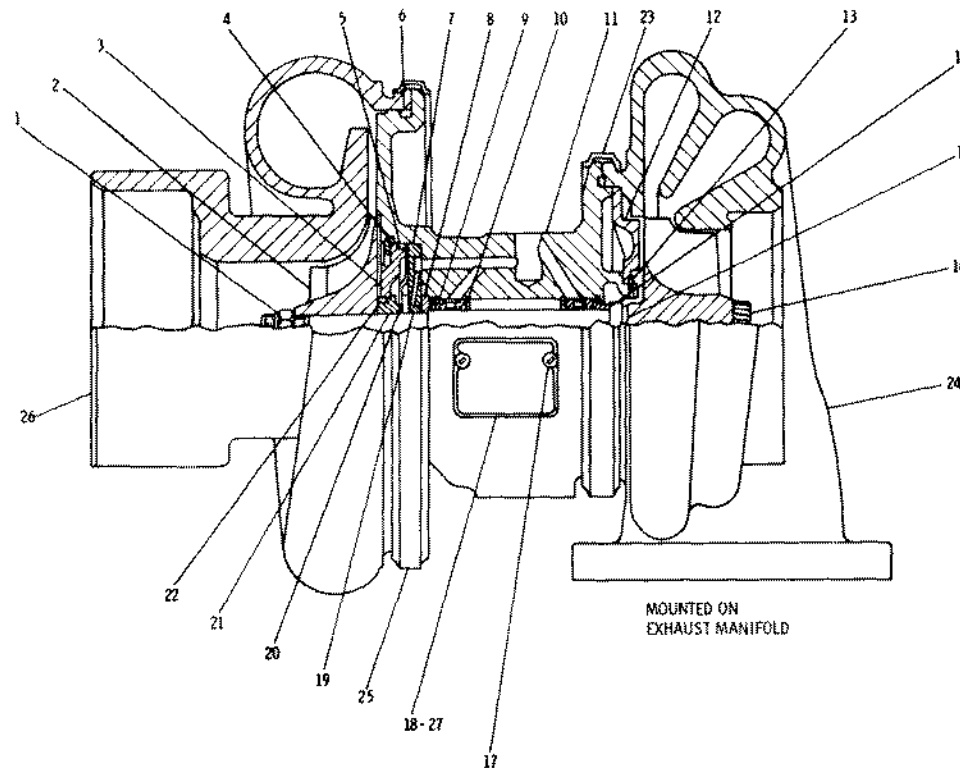


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N1524	CARTRIDGE ASSEM.-----	1
1	(Includes)		
1	6N1529	HOUSING ASSEM.-----	1
1	(Includes)		
2	6N1530	PIN-----	2
▲ 3	6N4357	GASKET-----	1
4	6N1531	SHROUD-----	1
5	6N1532	SHAFT AND WHEEL ASSEM.-----	1
▲ 6	4N9852	RING-----	1
▲ 7	6N1535	SLEEVE-----	1
▲ 8	1P718	NUT-----	1
▲ 9	6N1526	RING-----	1
▲ 10	6N1525	WHEEL-----	1
▲ 11	6N1534	DEFLECTOR-----	1
▲ 12	6N1527	INSERT-----	1
▲ 13	5S4546	RING-----	1
C ▲ 14	5P5757	SEAL-----	1
15	6N1528	BEARING-----	1
▲ 16	6N1533	BEARING-----	1
C 17	2S1507	NAMEPLATE-----	1
C 18	8H3710	SCREW-----	1
19	6N1521	HOUSING----- (turbine)-----	1
20	6N1523	LOCK-----	2
21	6N1522	PLATE-----	2
22	6N2145	BOLT-----	4
C 23	51614	BOLT-----	8
24	3B4504	LOCKWASHER-----	8
25	1P715	PLATE-----	4
C 26	6N1520	COVER----- (compressor)-----	1
C 27	4N8155	NAMEPLATE-----	1
C 28	8H3710	SCREW-----	1
C ▲ 29	SMHS6774	FORM-----	1
	(Installing turbo, repair kit)		
	THE FOLLOWING REPAIR KIT IS AVAILABLE:		
C 30	6N7242	KIT----- (cartridge)-----	1
	(Includes parts marked ▲)		

MOUNTED ON
CARTRIDGE HOUSING

C INDICATES CHANGE

218556



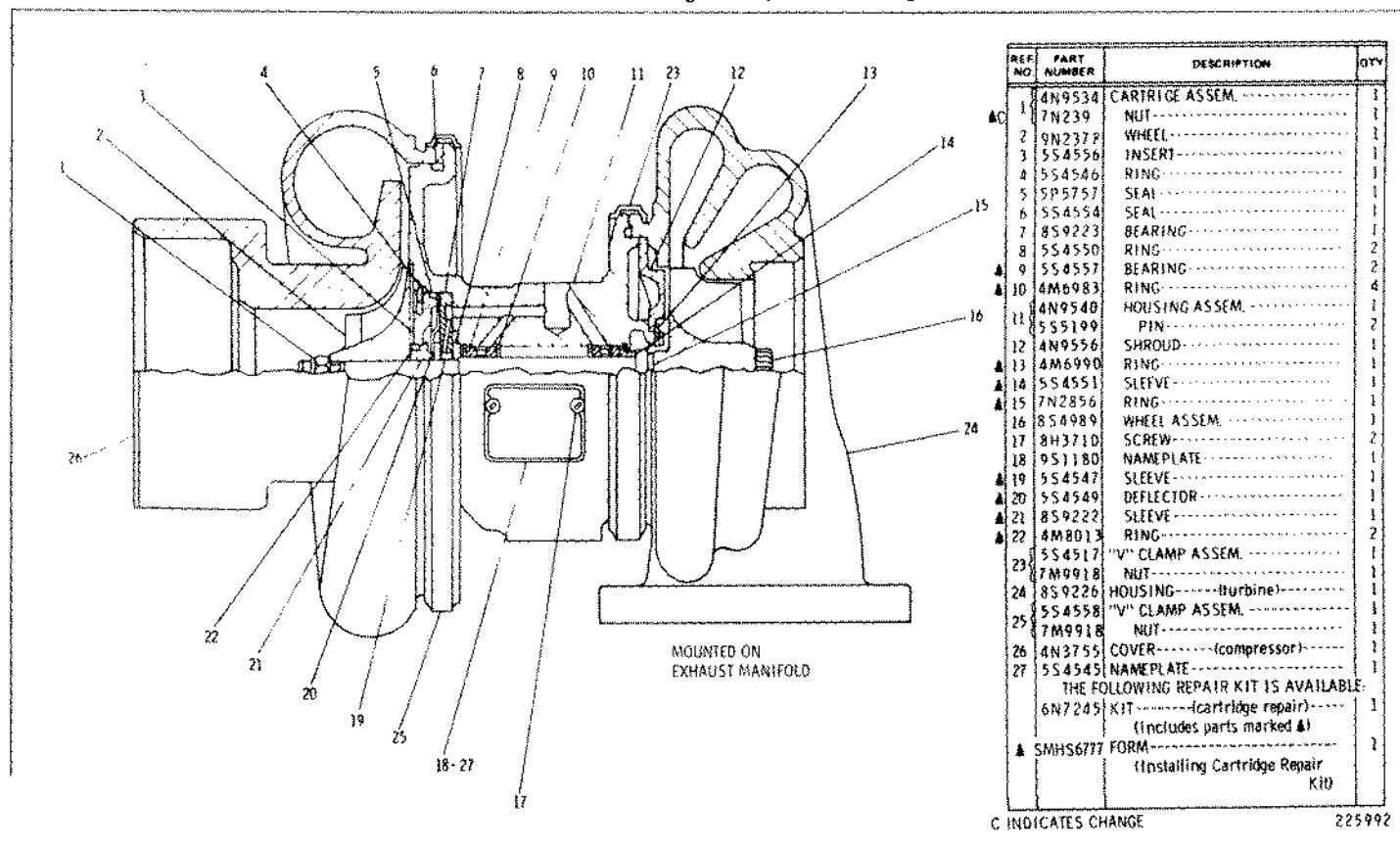
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N9534	CARTRIDGE ASSEM.	1
1	7N239	NUT	1
2	9N2378	WHEEL	1
3	5S4556	INSERT	1
4	5S4546	RING	1
5	5P5757	SEAL	1
6	5S4554	SEAL	1
7	8S9223	BEARING	1
8	5S4550	RING	2
9	5S4557	BEARING	2
10	4M6983	RING	4
11	4N9540	HOUSING ASSEM.	1
11	5S5199	PIN	2
12	4N9556	SHROUD	1
13	4M6990	RING	1
14	5S4551	SLEEVE	1
15	4N7595	RING	1
16	8S4989	WHEEL ASSEM.	1
17	8H3710	SCREW	2
18	9S1180	NAMEPLATE	1
19	5S4547	SLEEVE	1
20	5S4549	DEFLECTOR	1
21	8S9222	SLEEVE	1
22	4M8013	RING	2
23	5S4517	"V" CLAMP ASSEM.	1
23	7M9918	NUT	1
24	8S9226	HOUSING (turbine)	1
24	5S4558	"V" CLAMP ASSEM.	1
25	7M9918	NUT	1
26	4N3755	COVER (compressor)	1
27	5S4545	NAMEPLATE	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
	6N7245	KIT (cartridge repair)	1
		(Includes parts marked ▲)	
▲	SMHS6777	FORM (Installing Cartridge Repair Kit)	1

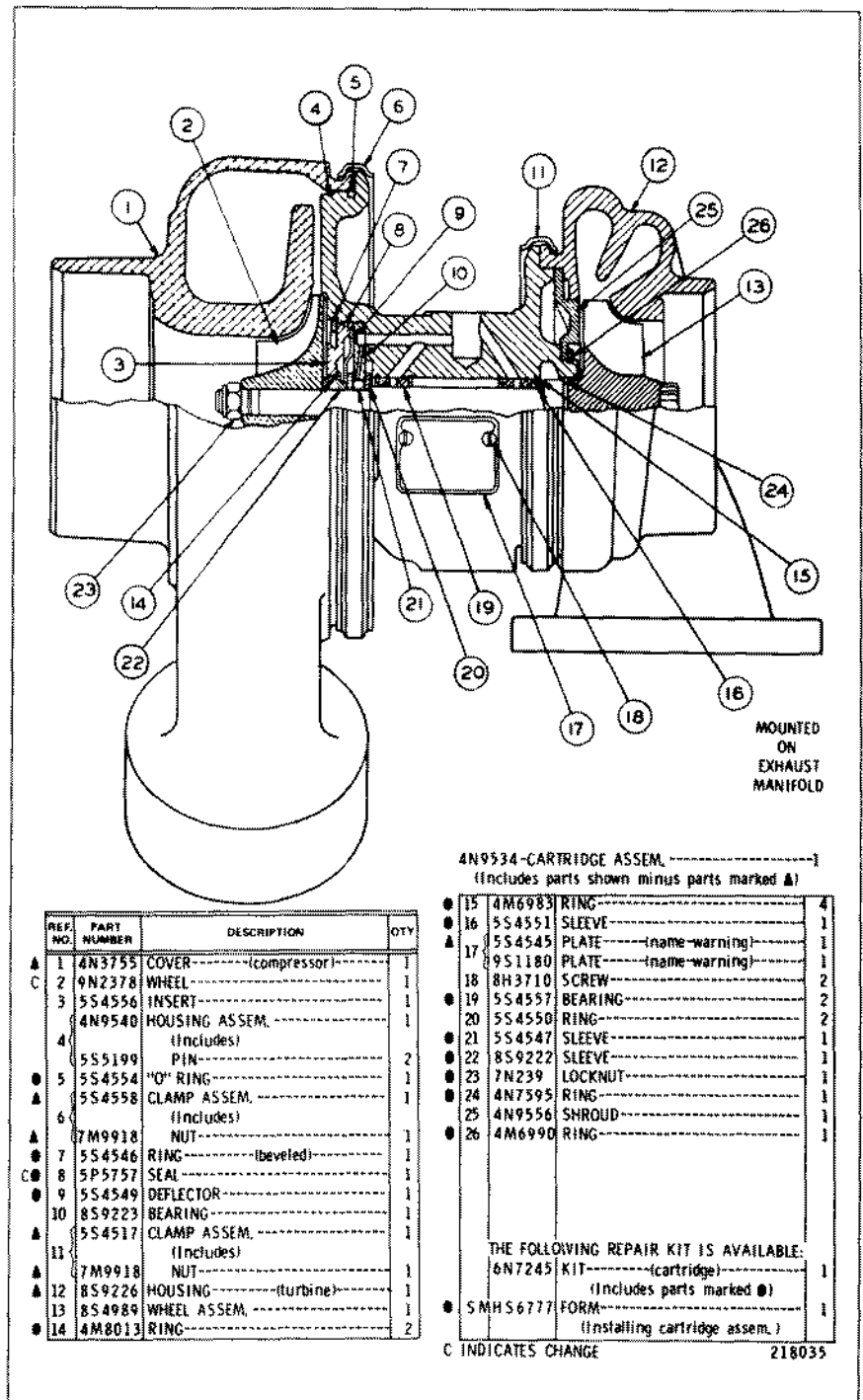
C INDICATES CHANGE

161731

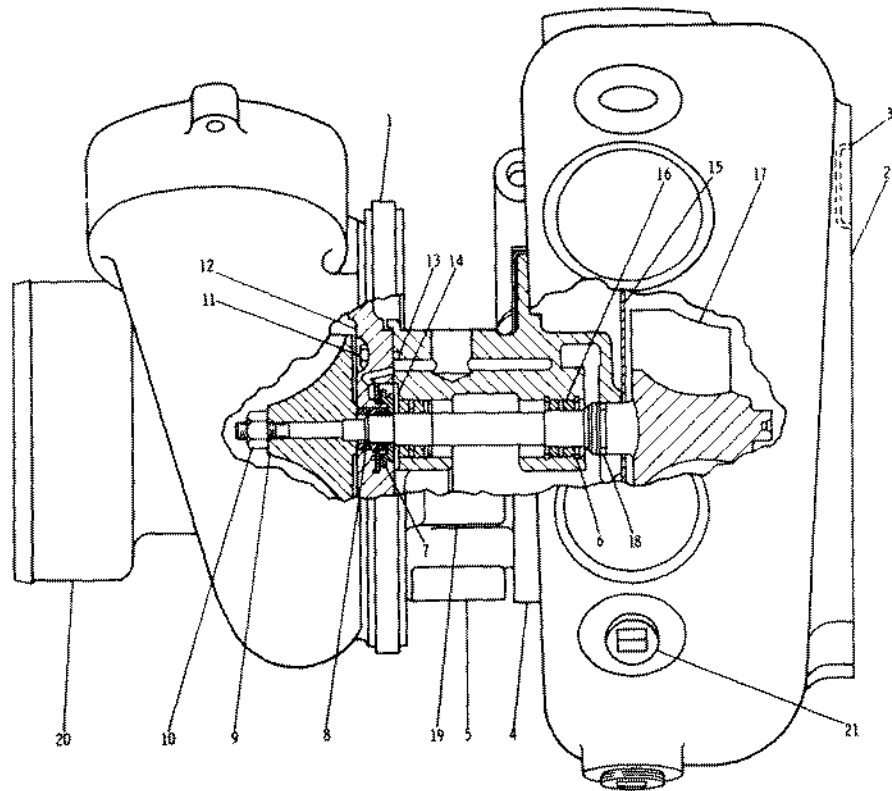
6N3810 TURBOCHARGER GROUP—Replaced by 9N1280 shown on Page 151
Part of 8N3744 Turbocharger Group shown on Page 144

8N3367 TURBOCHARGER GROUP
Part of 8N3382 Turbocharger Group shown on Page 147A





9N1280 TURBOCHARGER GROUP—Field installation



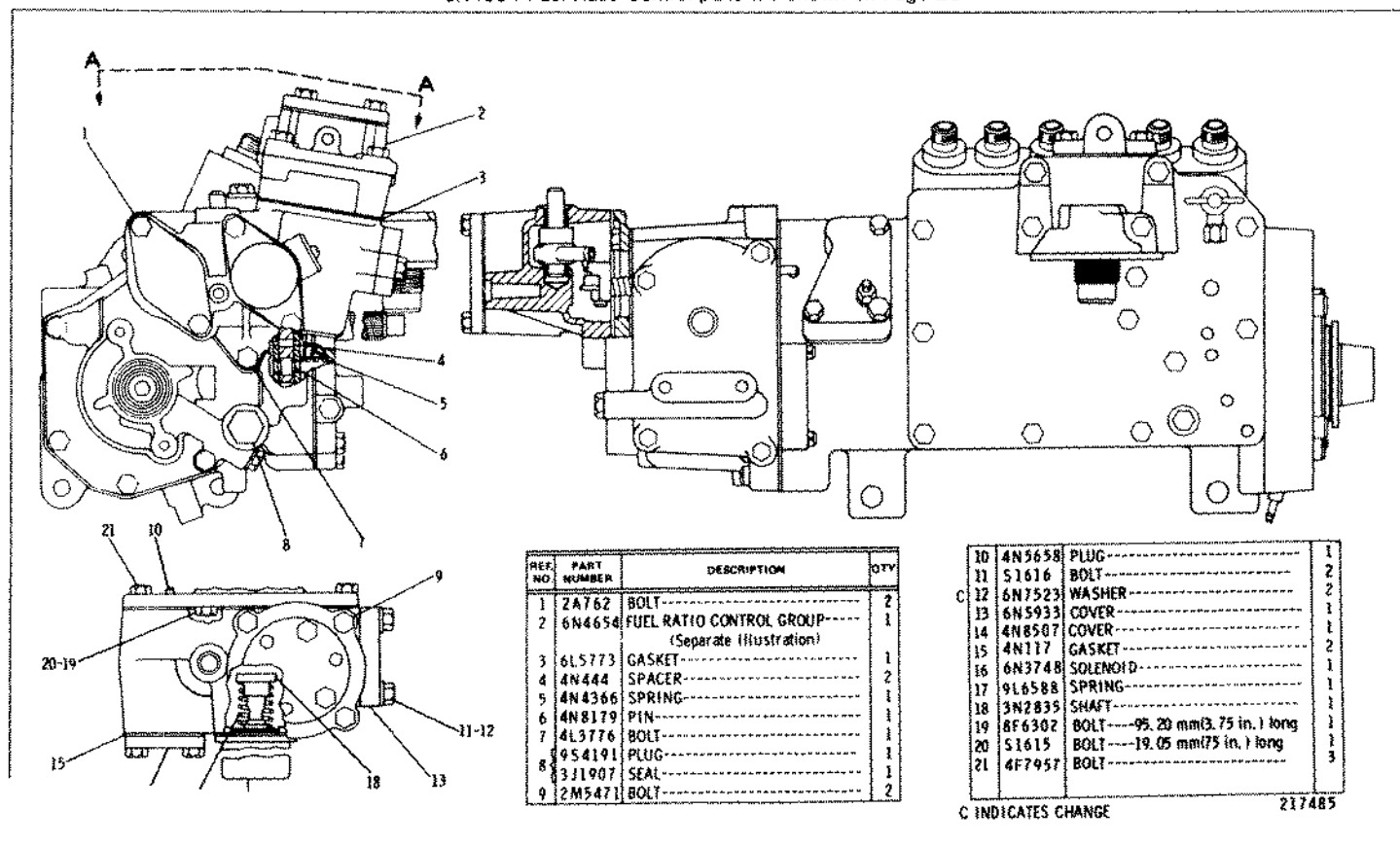
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3S5129	CLAMP-----	1
2	6N9906	HOUSING ASSEM.-----	1
		(Includes)	
C 3	4N932	PLUG-----	7
	9N2038	CLAMP ASSEM.-----	1
4		(Includes)	
	7M9918	NUT-----	1
	6N8487	CARTRIDGE ASSEM.-----	1
		(Includes)	
5	9N2035	HOUSING ASSEM.-----	1
		(Includes)	
	4M6646	PIN-----	2
6	9M8915	RING-----	1
7	9M8911	COLLAR-----	1
8	9M8919	RING-----	2
	9N2046	SPACER-----	1
9	6N6609	WHEEL-----	1
10	3S4484	NUT-----	1
	5J616	BOLT-----	4
11	9N2036	PLATE----- (lock)	4
12	6N6610	BACKPLATE ASSEM.-----	1
13	1P1120	RING-----	1
14	6N5004	BEARING-----	1
C 15	9N3701	SHROUD-----	1
16	9N2041	KIT----- (bearing)	1
		(Includes 2 bearings and 2 washers)	
17	6N8486	SHAFT & WHEEL ASSEM.-----	1
C 18	7N3759	RING-----	1
19	9N2044	NAMEPLATE----- (cartridge)	1
	2F808	SCREW-----	2
20	6N6613	HOUSING ASSEM.-----	1
C 21	1B5174	PLUG-----	5

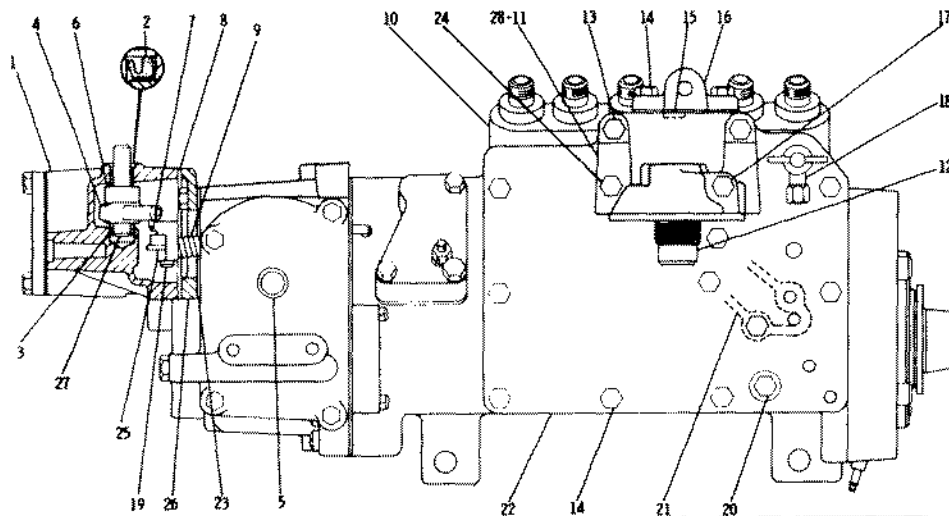
C INDICATES CHANGE

222401

6N7509 TURBOCHARGER GROUP
Part of 6N5961 Turbocharger Group shown on Page 144

6N5275 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 2—Type 1
 Part of 7N5304 Governor and Fuel Injection Pump Group shown on Page 184
 6N4654 Fuel Ratio Control parts are shown on Page 224





REP NO	PART NUMBER	DESCRIPTION	QTY
C 1	7N3094	ADAPTER ASSEM. ----- (Includes)	1
2	3N2813	SEAL -----	1
3	4N9467	BEARING -----	2
4	3N2820	LEVER ASSEM. -----	1
5	6N248	SHAFT ASSEM. -----	1
6	3N9633	LEVER ASSEM. ----- (Includes)	1
6	5H8995	PIN -----	1
7	9F1707	BOLT -----	1

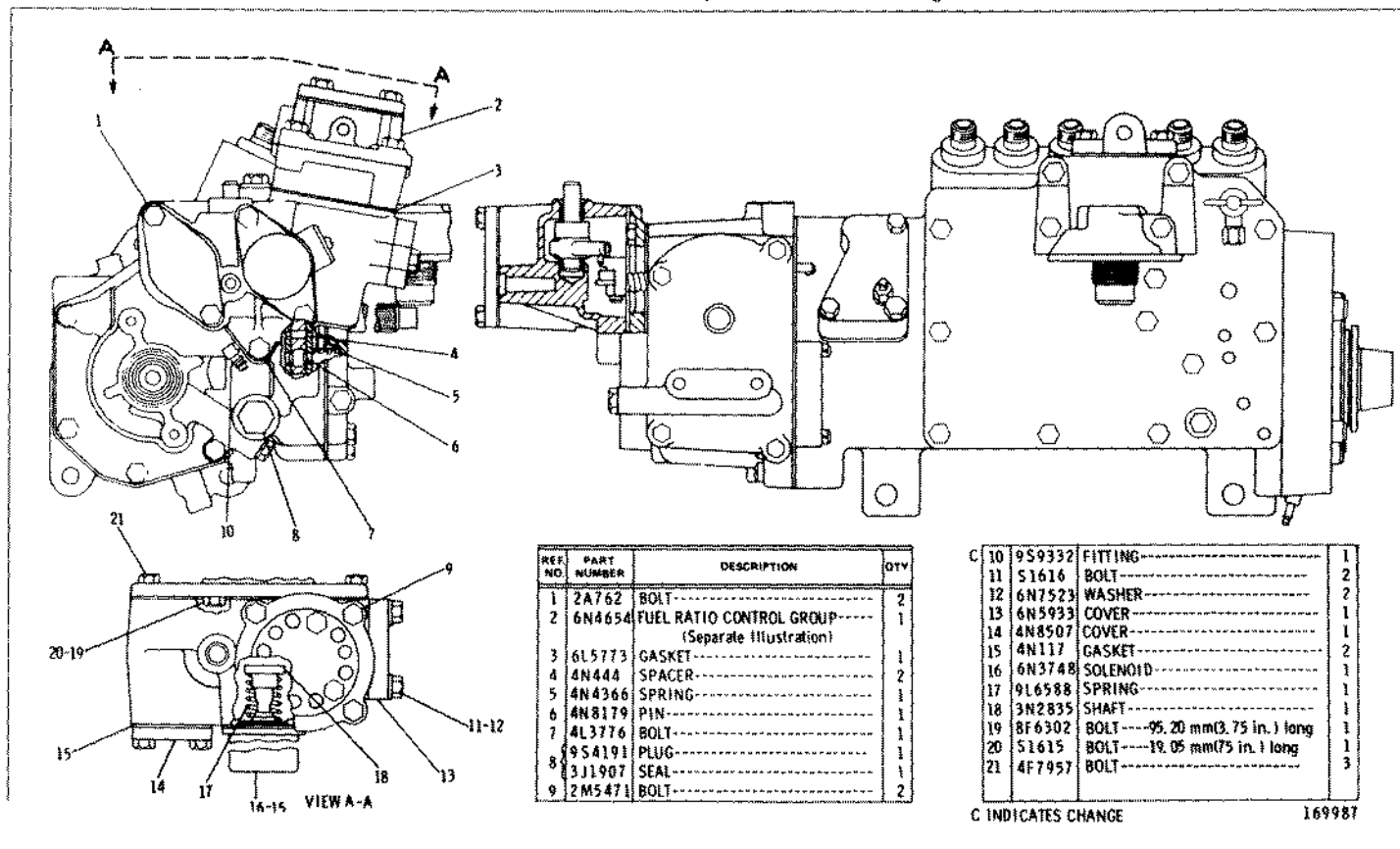
8	6N6597	GASKET -----	1
9	9N967	SPRING -----	1
10	6N5359	GOVERNOR AND FUEL INJECTION PUMP GROUP ----- (Separate Illustration)	1
11	4N5490	BASE ASSEM. ----- (Includes)	1
12	9S4167	STUD -----	1
13	9F6580	BOLT -----	2
14	51615	BOLT -----	15
15	4N9336	DISC -----	1
16	4N7572	ELBOW -----	1
16	4N9337	GASKET -----	1
17	8S4710	BOLT -----	1
18	7N450	VALVE ASSEM. -----	1
19	2N2658	BOLT -----	1
20	9S4180	PLUG -----	1
20	4J7533	SEAL -----	1
21	4N4431	GASKET -----	1
21	6N2810	CHANNEL -----	1
22	4N4351	COVER -----	1
22	4N9057	GASKET -----	1
23	4N159	GASKET -----	1
24	9F7022	BOLT -----	2
25	3N2824	LEVER ASSEM. -----	1
C 26	7N3096	BASE -----	1
27	3N2815	SHAFT -----	1
28	6N2843	GASKET -----	1

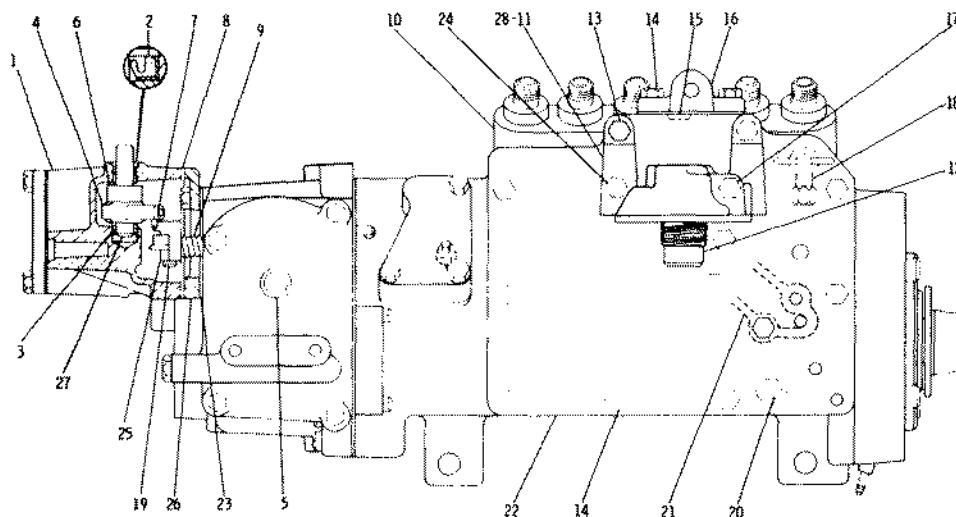
C INDICATES CHANGE

169986

6N5275 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 1—Type 2
Part of 7N5304 Governor and Fuel Injection Pump Group shown on Pages 184 and 184A
6N5359 Governor and Fuel Injection Pump parts are shown on Pages 208 through 211

6N5275 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 2—Type 2
 Part of 7N5304 Governor and Fuel Injection Pump Group shown on Pages 184 and 184A
 6N4654 Fuel Ratio Control parts are shown on Page 224





REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7N3094	ADAPTER ASSEM. (Includes)	1
2	3N2813	SEAL	1
3	4N9467	BEARING	2
4	3N2820	LEVER ASSEM.	1
5	6N248	SHAFT ASSEM.	1
6	3N9633	LEVER ASSEM. (Includes)	1
7	5H8995	PIN	1
7	9F1707	BOLT	1

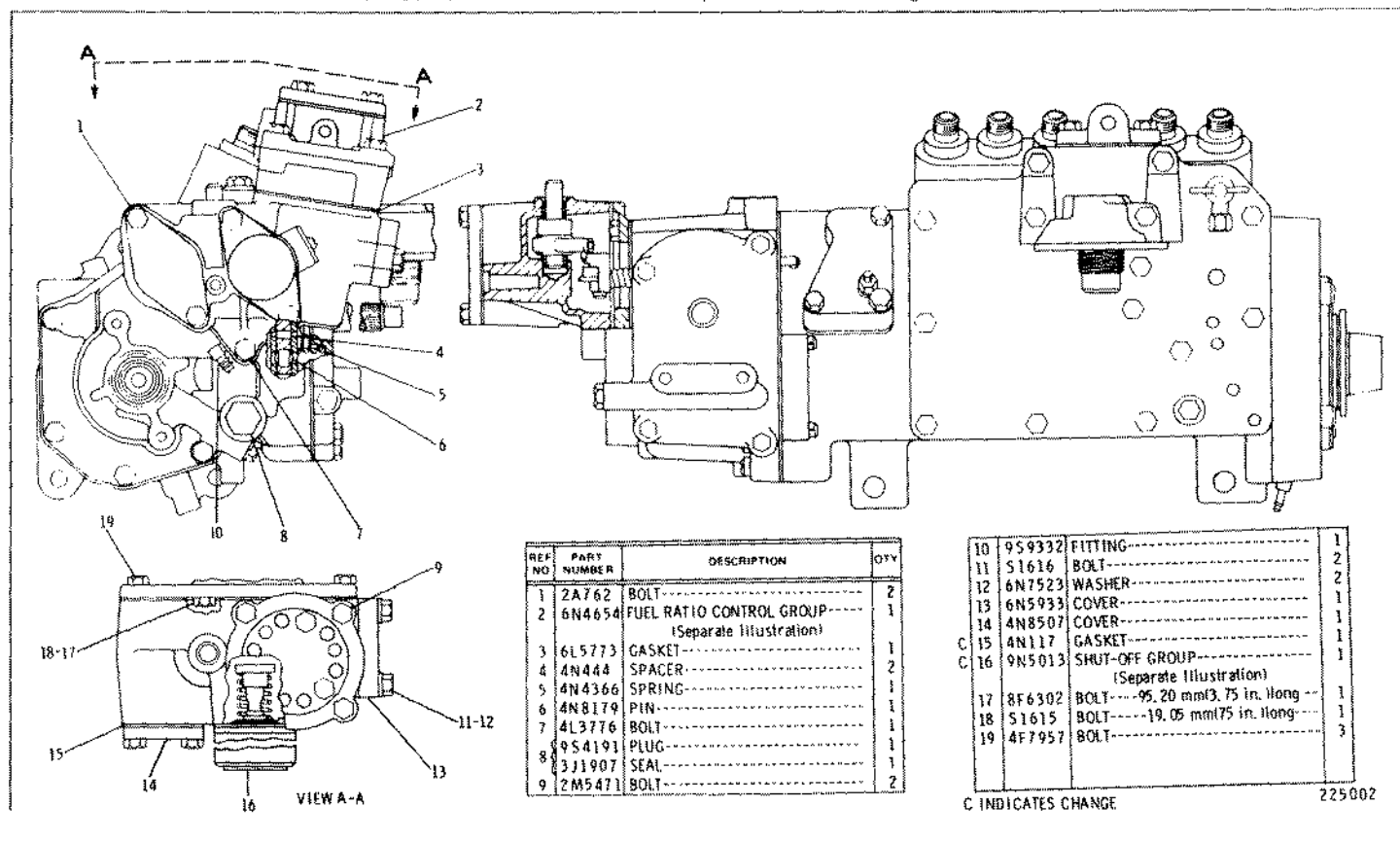
8	6N6597	GASKET	1
9	9N967	SPRING	1
10	6N5359	GOVERNOR AND FUEL INJECTION PUMP GROUP (Separate Illustration)	1
11	4N5490	BASE ASSEM. (Includes)	1
12	9S4167	STUD	1
13	9F6580	BOLT	2
14	51615	BOLT	13
15	4N9336	DISC	1
16	4N7572	ELBOW	1
16	4N9337	GASKET	1
17	8S4710	BOLT	1
18	7N450	VALVE ASSEM.	1
19	2N2658	BOLT	1
19	9S4180	PLUG	1
20	4J7533	SEAL	1
21	4N4431	GASKET	1
21	6N2810	CHANNEL	1
22	4N4351	COVER	1
22	4N9057	GASKET	1
23	4N159	GASKET	1
24	9F7022	BOLT	2
25	3N2824	LEVER ASSEM.	1
26	7N3096	BASE	1
27	3N2815	SHAFT	1
28	6N2843	GASKET	1

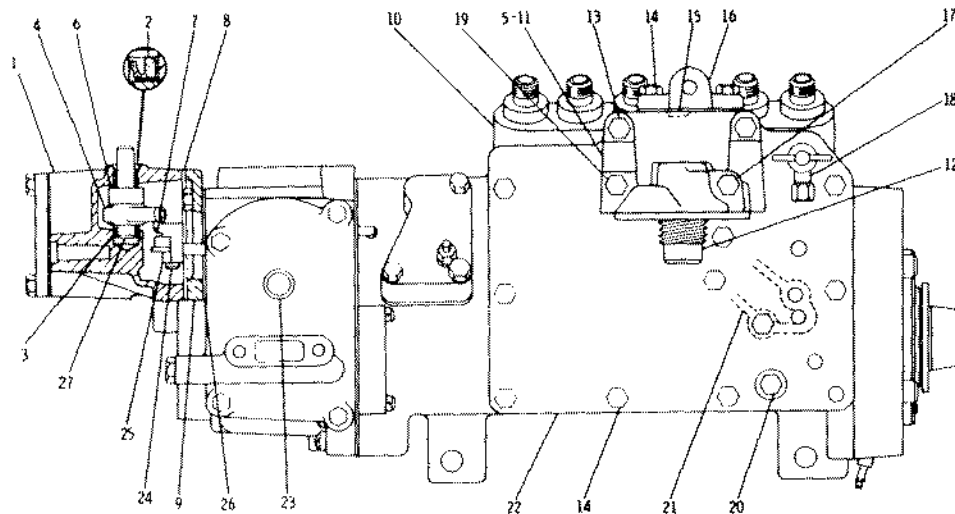
C INDICATES CHANGE

225001

6N5275 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 1—Type 3
Part of 7N5304 Governor & Fuel Injection Pump Group shown on Pages 184 & 184A
6N5359 Pump parts are shown on Pages 208 through 211

6N5275 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 2—Type 3
 Part of 7N5304 Governor & Fuel Injection Pump Group shown on Pages 184 & 184A
 6N4654 Control & 9N5013 Shut-Off parts are shown on Pages 224 & 282A





REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	7N3094	ADAPTER ASSEM. (Includes)	1
2	3N2813	SEAL	1
3	4N9467	BEARING	2
4	3N2820	LEVER ASSEM.	1
5	6N2843	GASKET	1
6	3N9633	LEVER ASSEM.	1
7	9F1707	BOLT	1

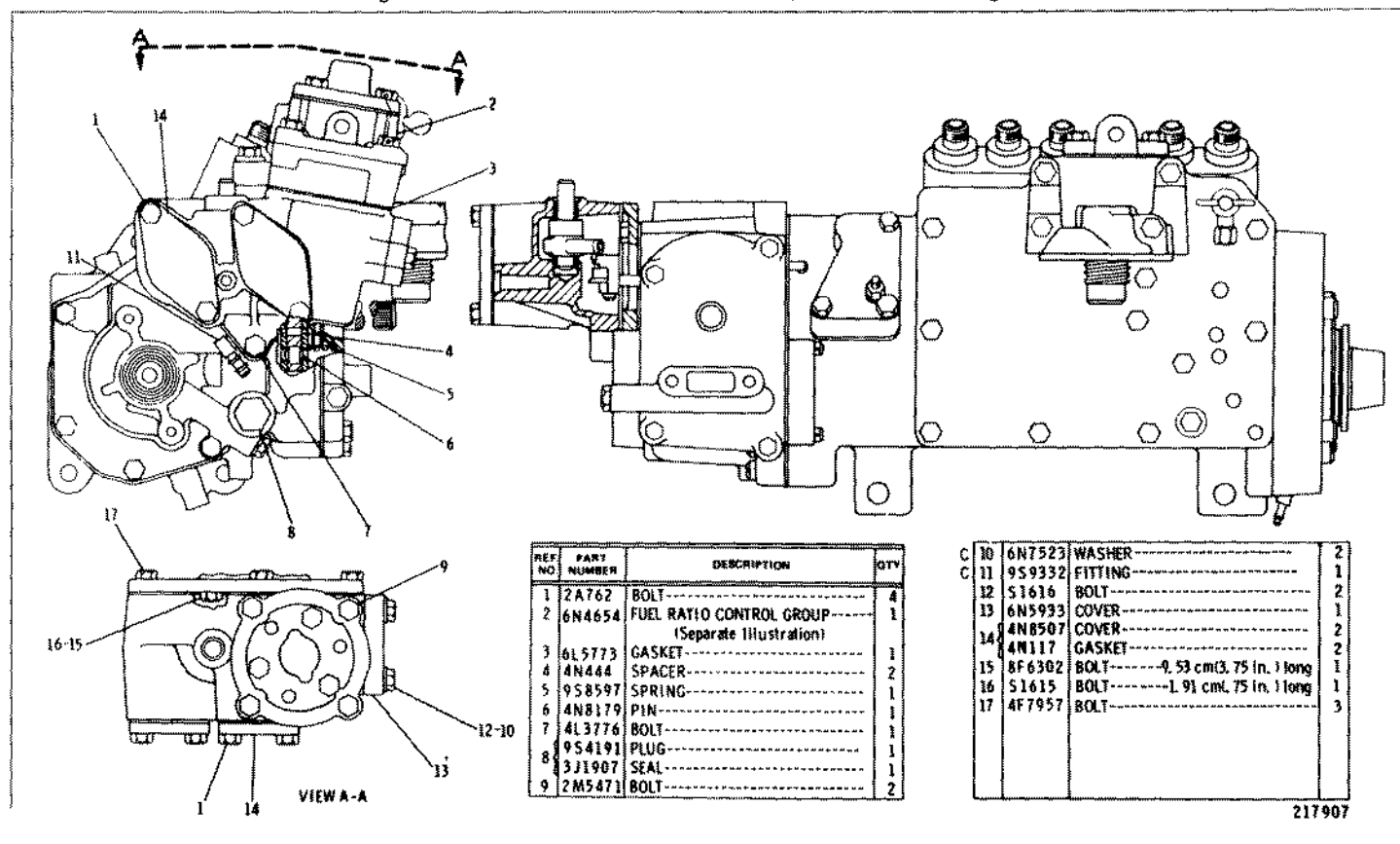
8	6N6597	GASKET	1
9	7N3096	BASE	1
10	6N5355	FUEL INJECTION PUMP GROUP (Separate Illustration)	1
11	4N5490	BASE ASSEM. (Includes)	1
12	9S4167	STUD	1
13	9F6980	BOLT	2
14	51615	BOLT	13
15	4N9336	DISC	1
16	4N7572	ELBOW	1
17	4N9337	GASKET	1
18	8S4710	BOLT	1
19	7N450	VALVE ASSEM.	1
20	9F7022	BOLT	1
21	9S4180	PLUG	1
22	4J7533	SEAL	1
23	4N4431	GASKET	1
24	6N2810	CHANNEL	1
25	4N4351	COVER	1
26	4N9057	GASKET	1
27	6N248	SHAFT ASSEM.	1
	2N2658	BOLT	1
	3N2824	LEVER ASSEM.	1
	4N159	GASKET	1
	3N2815	SHAFT	1

C INDICATES CHANGE

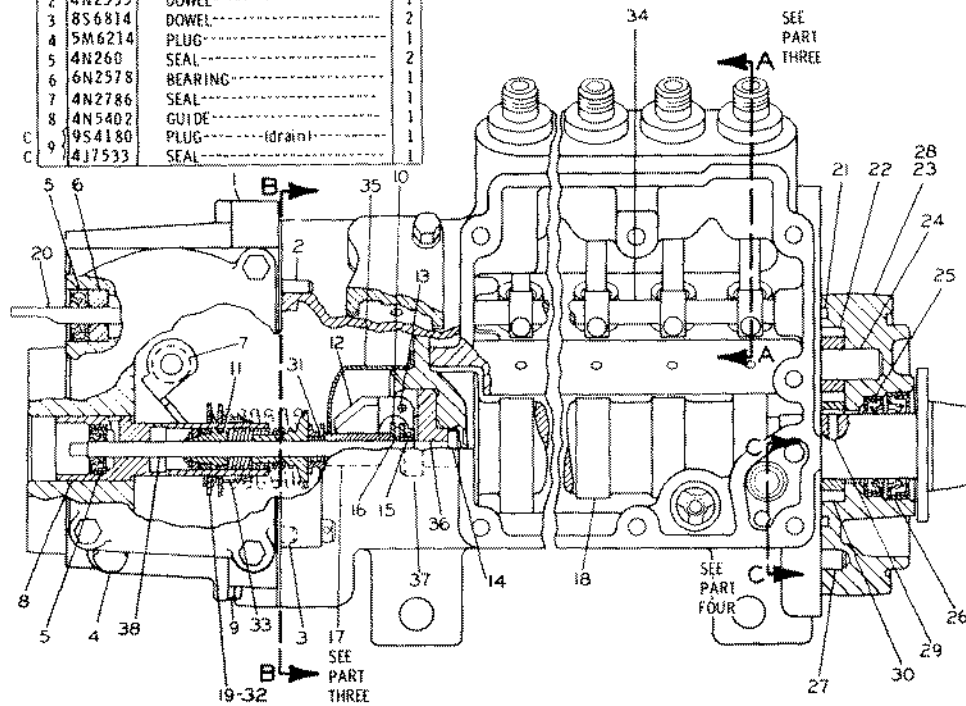
217906

6N6270 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 1
Part of 7N5947, 7N5303 and 6N6214 Governor and Fuel Injection Pump Groups shown on Pages 184 and 185
6N5355 Fuel Injection Pump parts are shown on Pages 212 through 215D

6N6270 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 2
 Part of 7N5947, 7N5303 and 6N6214 Governor and Fuel Injection Pump Groups shown on
 Pages 184 and 185. 6N4654 Fuel Ratio Control parts are shown on Page 224



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N6547	HOUSING ASSEM. (Includes)	1
2	4N2333	DOWEL	1
3	8S6814	DOWEL	2
4	5M6214	PLUG	1
5	4N260	SEAL	2
6	6N2578	BEARING	1
7	4N2786	SEAL	1
8	4N5402	GUIDE	1
9	9S4180	PLUG (drain)	1
C	4J7533	SEAL	1



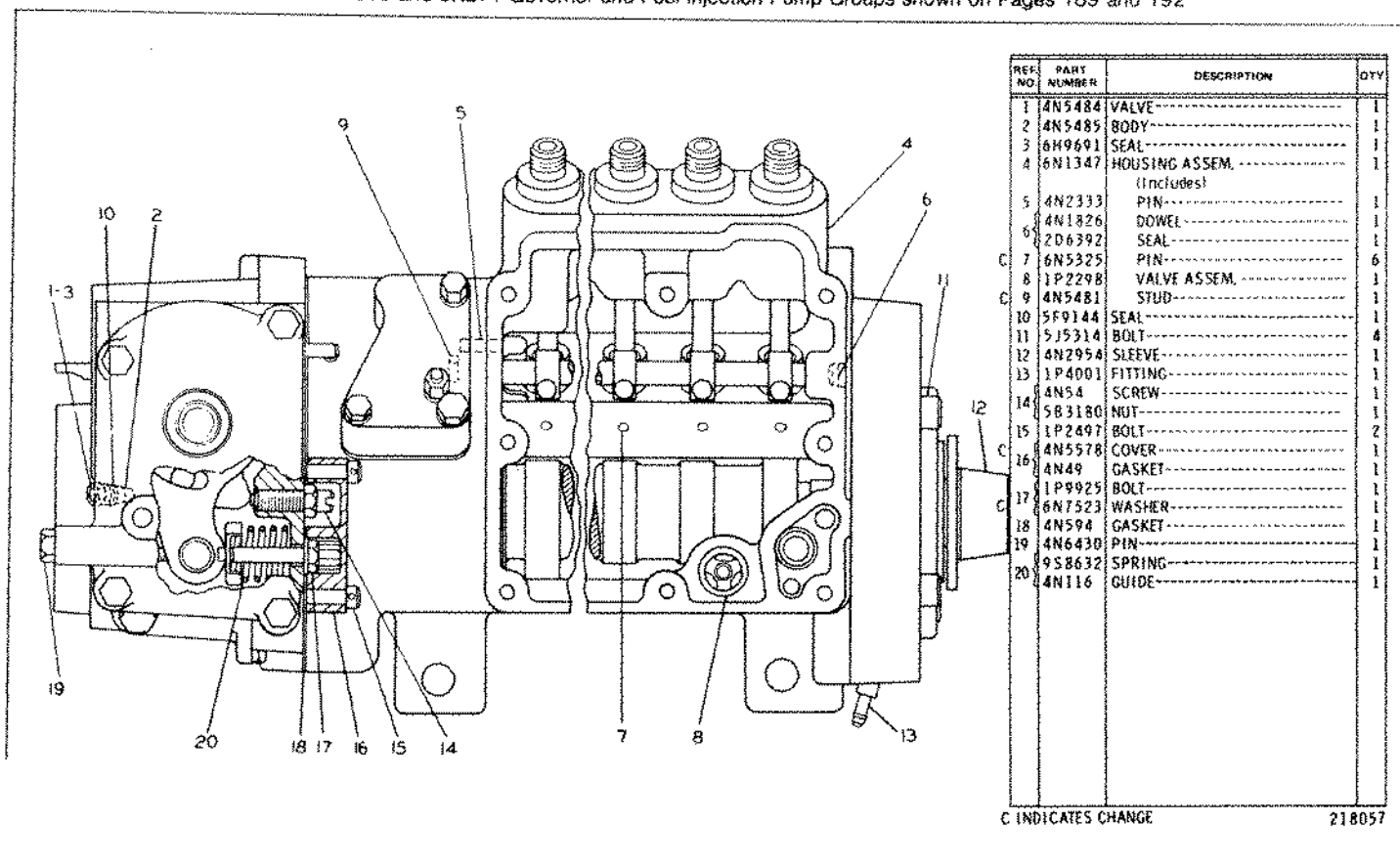
10	4N2927	RACE	2
C	6N4655	DASHPOT ASSEM.	1
11	4N6403	SEAT	1
12	4N5524	WEIGHT	3
13	4N511	DOWEL	3
14	4N9019	DOWEL	1
15	4N2953	RING	1
16	4N2401	BEARING	1
17	4N434	RISER	1
18	4N4313	CAMSHAFT	1
19	6N2956	WASHER (spring)	1
C	4N927	SHAFT ASSEM.	1
20	5M6509	SEAL	1
21	4N406	GEAR (10 teeth)	1
C	9L6863	BODY ASSEM. (Includes)	1
24	8H9804	SHAFT	1
25	4N636	SEAL	1
26	4N1584	SEAL	1
27	8S6814	DOWEL	1
28	4N5050	PLUG	1
29	4N3779	KEY	1
30	4N429	GEAR (15 teeth)	1
31	4N527	SPRING	1
C	6N2957	WASHER	2
33	6N7451	SEAT	1
34	4N572	SHAFT ASSEM.	1
35	4N1723	SHIELD	1
36	4N446	CARRIER	1
37	4N2955	BOLT	3
38	4N9018	SHAFT	1

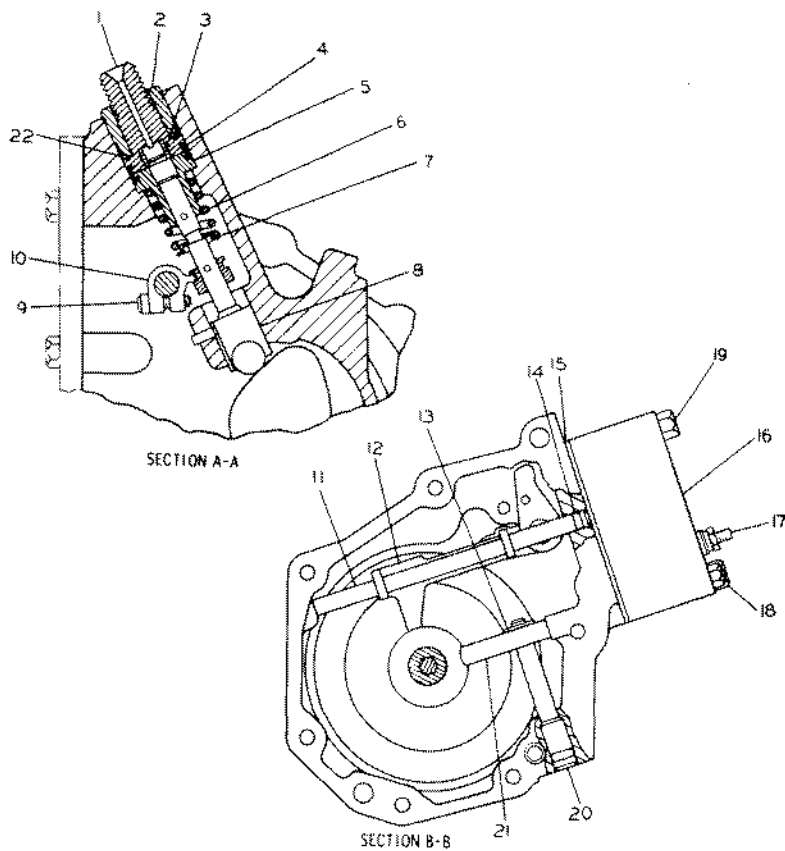
C INDICATES CHANGE

218056

4N9754 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 1 of 4—Type 1
Part of 6N7613 and 6N271 Governor and Fuel Injection Pump Groups shown on Pages 189 and 192

4N9754 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 2 of 4—Type 1
Part of 6N7613 and 6N271 Governor and Fuel Injection Pump Groups shown on Pages 189 and 192



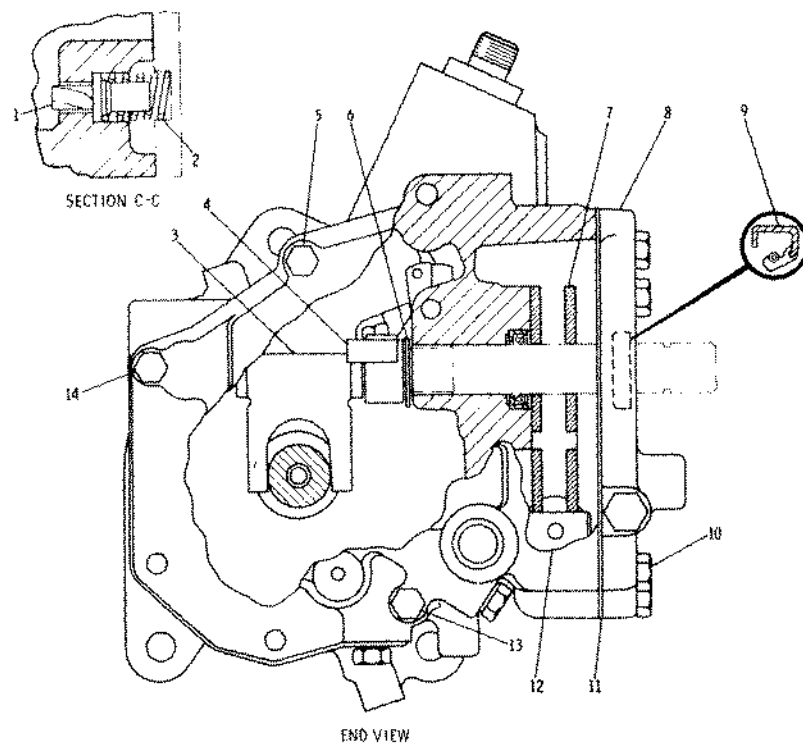


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N209	BONNET	6
2	4N218	BUSHING	6
3	4N2655	VALVE	6
4	9L9424	SPRING	6
5	4N224	RING	6
6	4N1765	PLUNGER & BARREL ASSEM.	6
7	4N4318	SPRING	6
8	4N2728	WASHER	6
9	4N1750	LIFTER	6
10	4N2685	ROLLER	6
11	2N2658	SCREW	6
12	4N1763	LEVER	6
13	4N528	SHAFT	1
14	4N2677	LEVER ASSEM.	1
15	2M7819	RING	1
16	3H442	SEAL	1
17	4N508	GASKET	1
18	4N1591	COVER ASSEM.	1
19	4N506	COVER	1
20	4N1594	MACHINE SCREW	1
21	4B2042	NUT	1
22	3B4503	LOCKWASHER	1
	1P7326	WASHER--L 52mmL 06in. thick	1
	8F1326	WASHER--L 813mmL 032in. thick	1
	2P3200	BOLT	1
	1J9671	SEAL	1
	2M5471	BOLT	2
	4N523	DOWEL	1
	2D6392	SEAL	1
	4N445	LEVER	1
	4N223	SEAL	6

C INDICATES CHANGE

218058

4N9754 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 4 of 4—Type 1
Part of 6N7613 and 6N271 Governor and Fuel Injection Pump Groups shown on Pages 189 and 192

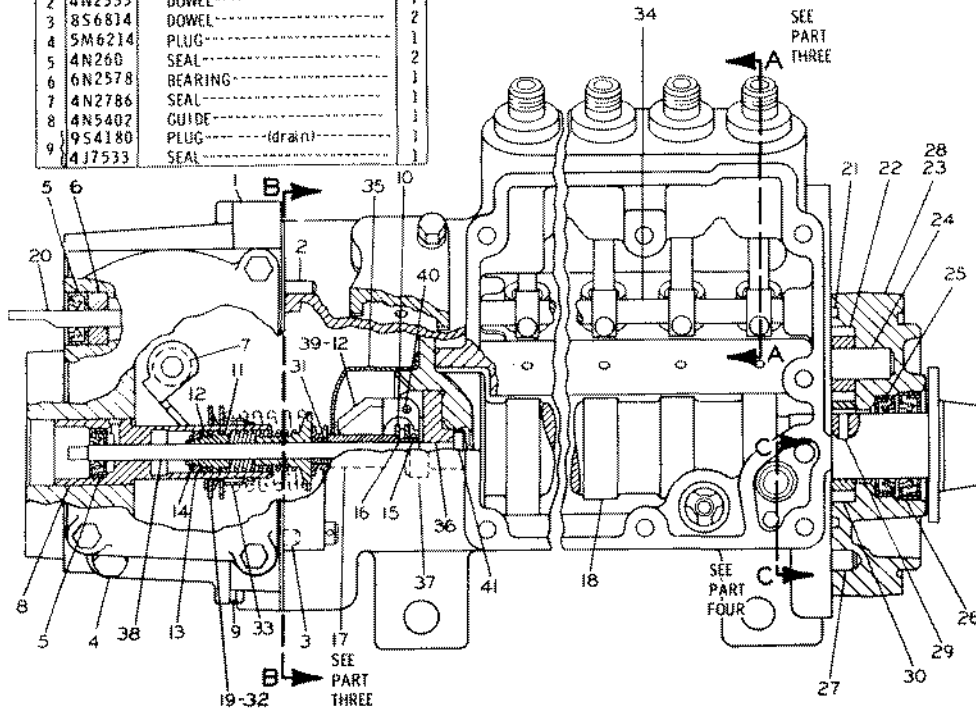


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N1767	VALVE	1
2	4N605	SPRING	1
3	4N1881	LEVER	1
4	4N448	LEVER ASSEM.	1
		(Includes)	
	9L5871	DOWEL	1
5	2A4781	BOLT-----6.99 cm(2.75 in.) long	1
6	8F5368	WASHER	1
7	6N5482	PLATE	2
C 8	4N687	COVER ASSEM.	1
		(Includes)	
C 9	4N2786	SEAL	1
10	51616	BOLT	4
11	4N402	GASKET	1
12	9S8601	PIN	1
13	3B8695	BOLT-----8.89 cm(3.5 in.) long	1
C 14	1P9925	BOLT-----6.35 cm(2.5 in.) long	1

C INDICATES CHANGE

218063

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N6547	HOUSING ASSEM. (Includes)	1
2	4N2333	DOWEL	1
3	8S6814	DOWEL	2
4	5M6214	PLUG	1
5	4N260	SEAL	2
6	6N2578	BEARING	1
7	4N2786	SEAL	1
8	4N5402	GUIDE	1
9	9S4180	PLUG (drain)	1
9	4J7533	SEAL	1

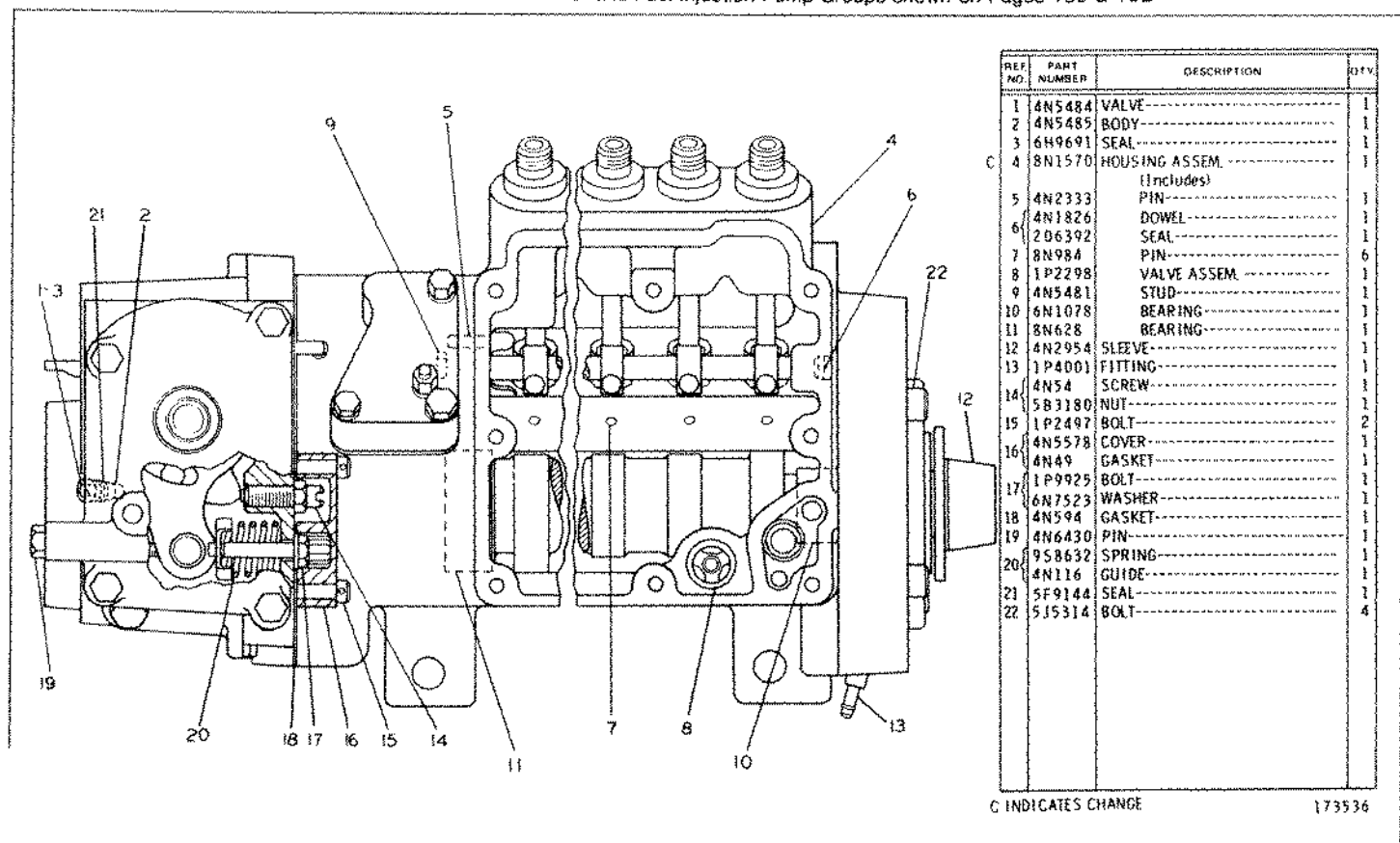


10	4N2927	RACE	2
11	6N4655	DASHPOT ASSEM. (Includes)	1
12	4N6407	SPOOL	1
13	4N6406	RING	1
14	4N6404	RING	1
15	4N2953	RING	1
16	4N2401	BEARING	1
17	4N434	RISER	1
18	4N4312	CAMSHAFT	1
19	6N2956	WASHER (spring)	1
20	4N927	SHAFT ASSEM.	1
21	5M6509	SEAL	1
22	4N406	GEAR (10 teeth)	1
23	9L6863	BODY ASSEM. (Includes)	1
24	8H9804	SHAFT	1
25	4N636	SEAL	1
26	4N1584	SEAL	1
27	8S6814	DOWEL	1
28	4N5050	PLUG	1
29	4N3779	KEY	1
30	4N429	GEAR (15 teeth)	1
31	4N527	SPRING	1
32	6N2957	WASHER	2
33	6N7451	SEAT	1
34	4N572	SHAFT ASSEM.	1
35	4N1723	SHIELD	1
36	4N446	CARRIER	1
37	4N2955	BOLT	3
38	4N9018	SHAFT	1
39	4N5524	WEIGHT	3
40	4N511	DOWEL	1
41	4N9019	DOWEL	1

173535

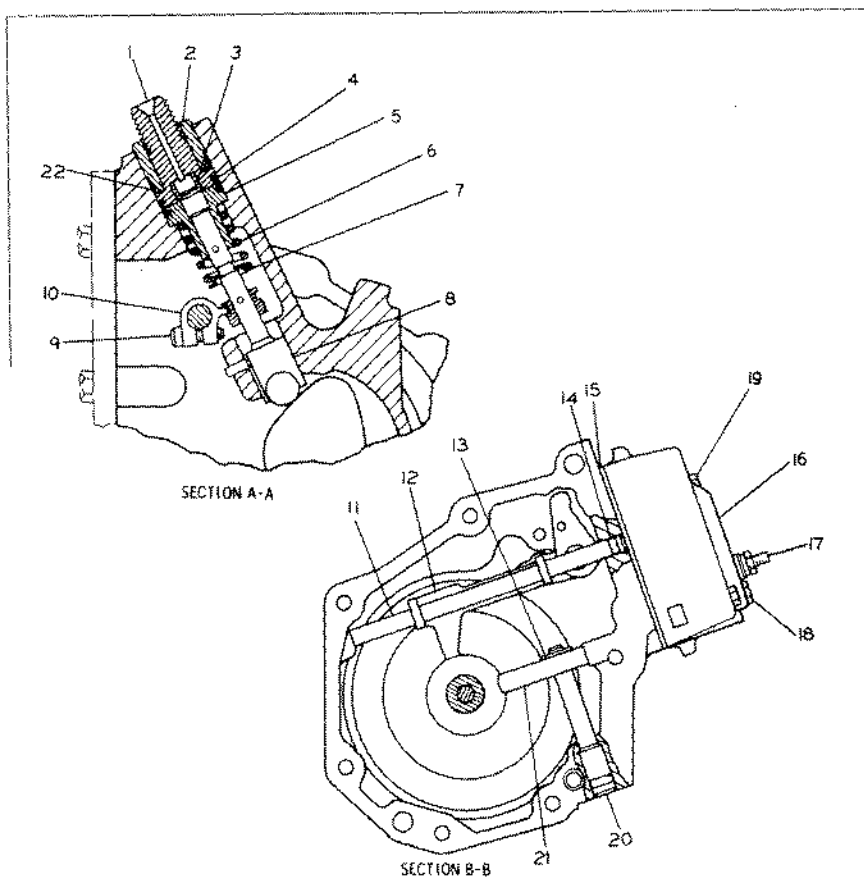
4N9754 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 1 of 4—Type 2
Part of 6N7613 & 6N271 Governor and Fuel Injection Pump Groups shown on Pages 189 & 192

4N9754 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 2 of 4—Type 2
Part of 6N7613 & 6N271 Governor and Fuel Injection Pump Groups shown on Pages 189 & 192



FUEL SYSTEM AND GOVERNOR

CATERPILLAR 3306 INDUSTRIAL ENGINE



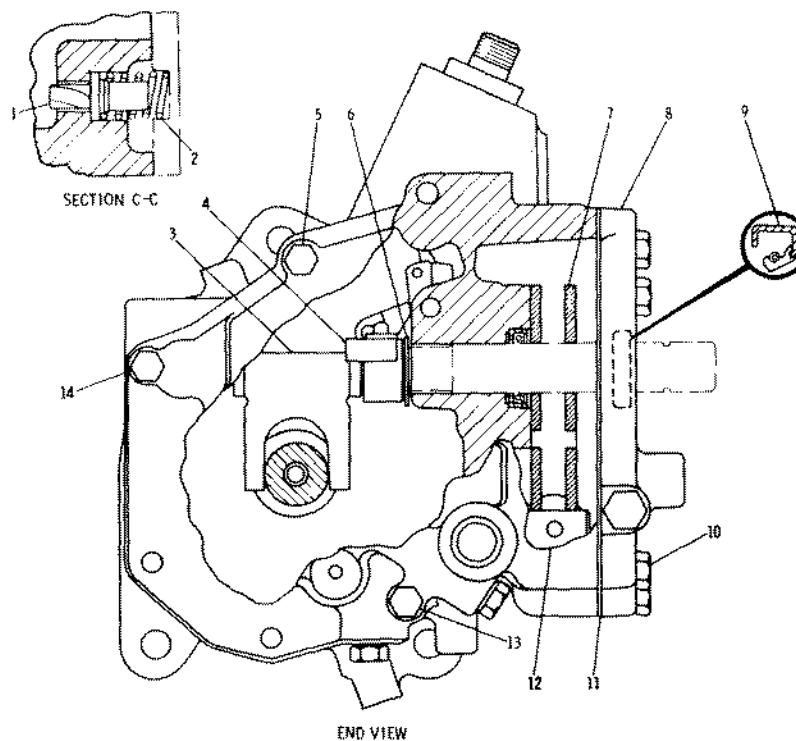
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N209	BONNET-----	6
2	4N218	BUSHING-----	6
3	4N2655	VALVE-----	6
4	9L9424	SPRING-----	6
5	4N224	RING-----	6
6	4N1765	PLUNGER & BARREL ASSEM.-----	6
7	4N4318	SPRING-----	6
8	4N2728	WASHER-----	6
9	8N1317	LIFTER-----	6
10	4N2685	ROLLER-----	6
11	2N2658	SCREW-----	6
12	4N1763	LEVER-----	6
13	4N528	SHAFT-----	1
14	4N2677	LEVER ASSEM.-----	1
15	2M7819	RING-----	1
16	3H442	SEAL-----	1
17	4N508	GASKET-----	1

16	4N1591	COVER ASSEM.-----	1
		(Includes)	
C	6N411	COVER-----	1
C	6N412	MACHINE SCREW-----	1
	4B2042	NUT-----	1
17	3B4501	LOCKWASHER-----	1
	1P7326	WASHER--L. 52mm(.06in. thick)	1
	8F1326	WASHER--L. 813mm(.032in. thick)	1
18	2P3200	BOLT-----	1
	1J9671	SEAL-----	1
19	2M5471	BOLT-----	2
	4N523	DOWEL-----	1
20	2D6392	SEAL-----	1
21	4N445	LEVER-----	1
22	4N223	SEAL-----	6

C INDICATES CHANGE

173537

4N9754 GOVERNOR AND FUEL INJECTION PUMP GROUP—Part 4 of 4—Type 2
Part of 6N7613 & 6N271 Governor and Fuel Injection Pump Groups shown on Pages 189 & 192



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N1767	VALVE	1
2	4N605	SPRING	1
3	4N1881	LEVER	1
4	4N448	LEVER ASSEM. (includes)	1
9	9L5871	DOWEL	1
5	2A4781	BOLT-----6.99 cm(2.75 in.) long	1
6	8F5368	WASHER	1
7	6N5482	PLATE	2
8	4N687	COVER ASSEM. (includes)	1
9	4N2786	SEAL	1
10	S1616	BOLT	4
11	4N402	GASKET	1
12	9S8601	PIN	1
13	3B8695	BOLT-----8.89 cm(3.5 in.) long	1
14	1P9925	BOLT-----6.35 cm(2.5 in.) long	1