

**HERMETIC AND OPEN TURBOPAK
CENTRIFUGAL LIQUID CHILLING UNITS****RENEWAL PARTS**

Supersedes: Nothing

680

Form 160.44-RP1 (Sect. 2)

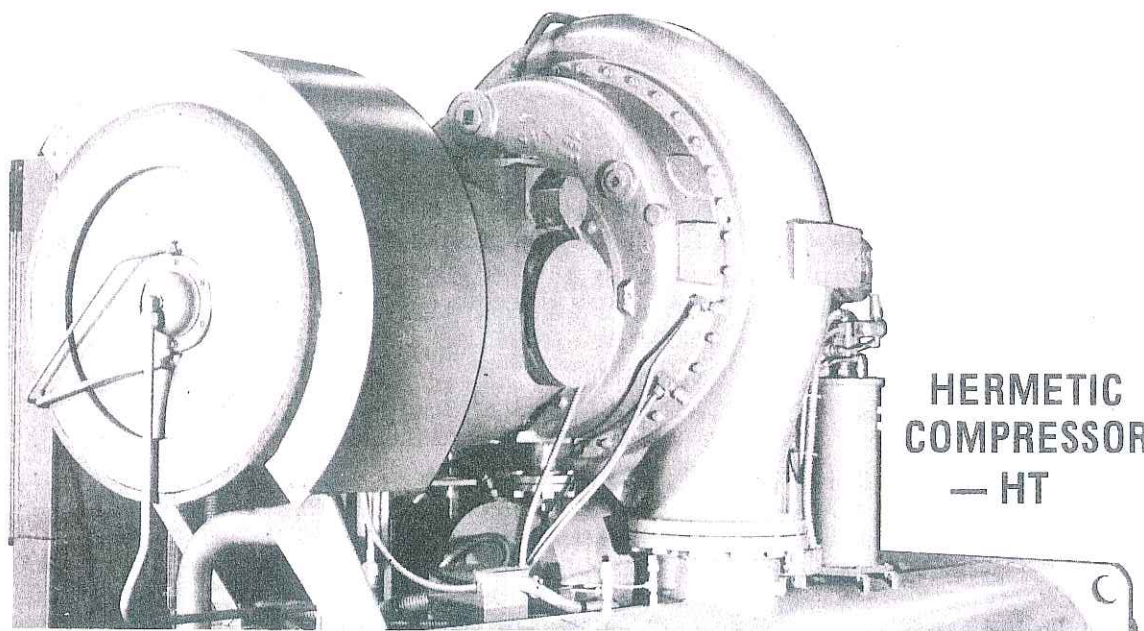
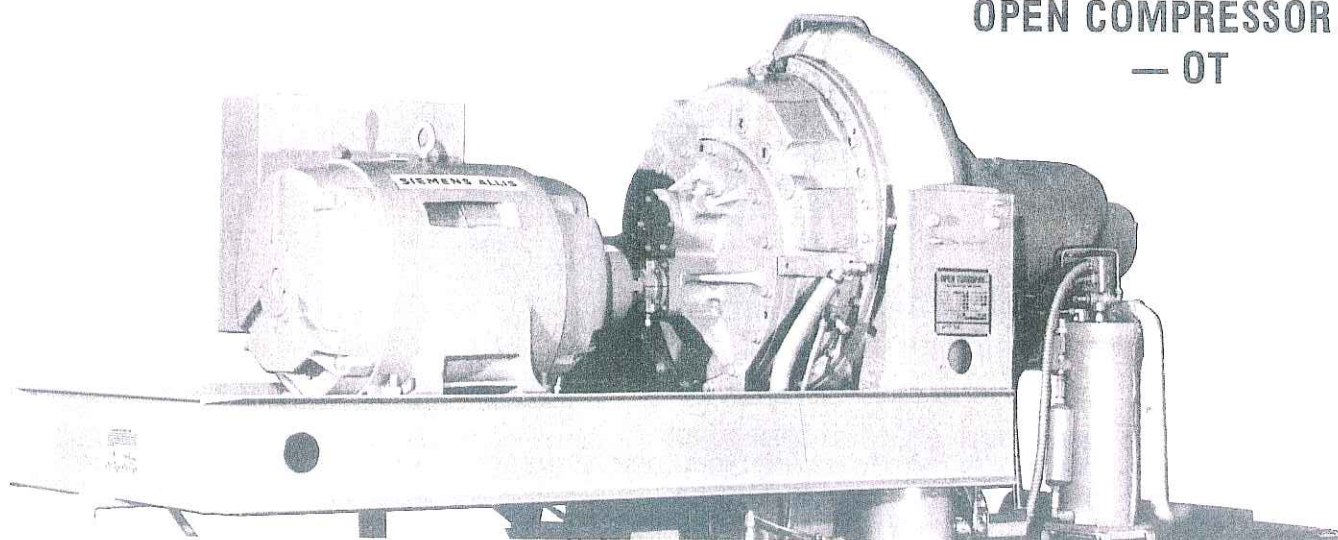
**HERMETIC COMPRESSOR — MODELS MTG 67 THRU MTG 95
OPEN COMPRESSOR — MODELS LTG 67 THRU LTG 95
FOR
COOLING AND HEAT RECOVERY****MODELS HT/OT A1 A1 B1 THRU HT/OT F3 S3 C2 [STYLE A]
150 THRU 400 TONS****HERMETIC
COMPRESSOR
— HT****OPEN COMPRESSOR
— OT**

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COMPRESSOR MODEL AND PART NUMBERS

HERMETIC COMPRESSOR — [HT]

Compressor Code	Motor Code	Compr. Model	Compressor Part Numbers					Variable Parts Page	Common Parts Page
			60 HZ Low Voltage	60 Hz High Voltage	50/60 High Voltage	50 HZ High Voltage	50 HZ Low Voltage		
B1	BA, BB	MTG-67	364-45853-002	—	364-45853-003	—	364-45853-006	10	4 — 7
B2	BA, BB	MTG-76	364-45853-004	—	364-45853-005	—	364-45853-007	10	4 — 7
	BC	MTG-76	364-45853-008	364-45853-009	—	364-45853-011	364-45853-010	10	4 — 7
C1	BB	MTG-85	364-45828-009	—	364-45828-010	—	364-45828-011	11	4 — 7
	BC, BD	MTG-85	364-45828-002	364-45828-003	—	364-45828-012	364-45828-006	11	4 — 7
C2	BC	MTG-95	364-45828-004	364-45828-005	—	364-45828-008	—	11	4 — 7
	BC, BD		—	—	—	—	364-45828-007	11	4 — 7
	BD, BE		364-45828-007	364-45828-008	—	—	—	11	4 — 7
	BD		—	—	—	364-45828-008	—	11	4 — 7

OPEN COMPRESSOR — [OT]

Compressor Code	Compr. Model	Compressor Part Numbers		Variable Parts Page	Common Parts Page
		60 HZ	50 HZ		
B1	LTG-67	364-45854-002	364-45854-002	13	4 — 7
B2	LTG-76	364-45854-003	364-45854-003	13	4 — 7
C1	LTG-85	364-45829-006	364-45856-009	13	4 — 7
C2	LTG-95	364-45829-007	—	13	4 — 7
C2 (Oversize Coupling)	LTG-95	364-45829-008	364-45829-008	13	4 — 7

Compressor Common Parts List

Item	Description	Hermetic Compressors				Open Compressors			
		Model MTG67 or 76		Model MTG85 or 95		Model LTG67 or 76		Model LTG85 or 95	
		Quan.	Part No.	Quan.	Part No.	Quan.	Part No.	Quan.	Part No.
1	Rotor Scroll	1	064-45863	1	064-45860	1	064-45863	1	064-45860
2	Support Rotor with Bearing Housing	1	364-45855	1	364-45838	1	364-45864	1	364-45852
3	Prerotation Vane Assembly	1	See Pg. 10	1	See Pg. 11	1	See Pg. 13	1	See Pg. 13
4	Nozzle Base Plate	1	T.1, Item 401 See Pg. 10	1	T.2, Item 401 See Pg. 11	1	T.3, Item 402 See Pg. 13	1	T.4, Item 402 See Pg. 13
5	Impeller Seal Ring	1	T.1, Item 405 See Pg. 10 T.1, Item 403	1	T.2, Item 405 See Pg. 11 T.2, Item 405	1	T.3, Item 405 See Pg. 13 T.3, Item 403	1	T.4, Item 405 See Pg. 13 T.4, Item 403
6	Flat Spring Washer	1	See Pg. 10 T.1, Item 404	1	See Pg. 11 T.2, Item 403	1	See Pg. 13 T.3, Item 404	1	See Pg. 13 T.4, Item 404
7	Retaining Ring Oil Seal	1	See Pg. 10 T.1, Item 408	1	See Pg. 11 T.2, Item 407	1	See Pg. 13 T.3, Item 408	1	See Pg. 13 T.4, Item 408
8	Gasket, Nozzle Base Plate	1	064-20660	1	064-21463	1	064-20660	1	064-21463
9	Impeller	1	See Pg. 10 T.1, Item 407	1	See Pg. 11 T.2, Item 406	1	See Pg. 13 T.3, Item 407	1	See Pg. 13 T.4, Item 407
10	Diffuser Plate	1	See Pg. 10 T.1, Item 406	1	See Pg. 11 T.2, Item 405	1	See Pg. 13 T.3, Item 406	1	See Pg. 13 T.4, Item 406
11	Oil Separator Plate	1	064-45897	1	064-45898	1	064-45864	1	064-45898
12	Gasket, Oil Separator	1	064-45926 [Ⓢ]	1	064-45927 [Ⓢ]	1	064-45926 [Ⓢ]	1	064-45927 [Ⓢ]
13	Retaining Ring, Internal	1	029-05601	1	029-08600	1	029-05601	1	029-08600
14	Flat Spring, Washer	1	064-12887	1	064-21429	1	064-12887	1	064-21429
15	Seal Ring	1	064-20435 [Ⓢ]	1	064-21430 [Ⓢ]	1	064-20435 [Ⓢ]	1	064-21430 [Ⓢ]
16	Pressure Plate	1	064-11819	1	064-11819	1	064-11819	1	064-11819
17	Thrust Cover (H.5)	1	064-45837 [Ⓢ]	1	064-45837 [Ⓢ]	1	064-45837 [Ⓢ]	1	064-45837 [Ⓢ]
18	Seal, "O" Ring—3/8 I.D. X 1/8 Sect.	1	028-04352 [Ⓢ]	1	028-04352 [Ⓢ]	1	028-04352 [Ⓢ]	1	028-04352 [Ⓢ]
19	Seal, "O" Ring—3/8 I.D. X 1/8 Sect.	1	028-08811 [Ⓢ]	1	028-08811 [Ⓢ]	1	028-08811 [Ⓢ]	1	028-08811 [Ⓢ]
20	Thrust Collar	1	064-45857 [Ⓢ]	1	064-45849 T.1, Item	1	064-45857 [Ⓢ]	1	064-45849 T.2, Item
21	Thrust Bearing	1	064-45834 [Ⓢ]	1	064-45834 [Ⓢ]	1	064-45834 [Ⓢ]	1	064-45834 [Ⓢ]
22	Pin Insert, 3/16" Dia. X 1/2" Lg.	3	029-04551 [Ⓢ]	3	029-04551 [Ⓢ]	3	029-04551 [Ⓢ]	3	029-04551 [Ⓢ]
23	Retaining Ring Internal	1	029-08496	1	029-08496	1	029-08496	1	029-08496
24	Bearing Pinion Gear	1	064-45831 [Ⓢ]	1	064-45831 [Ⓢ]	1	064-45831 [Ⓢ]	1	064-45831 [Ⓢ]
25	Bearing Main Shaft	1	064-45862 [Ⓢ]	1	064-45847 [Ⓢ]	1	064-45862 [Ⓢ]	1	064-45847 [Ⓢ]
26	Pin, Insert, 1/8 Dia. X 9/16 Lg.	3	*029-03990 [Ⓢ]	3	*029-03990 [Ⓢ]	1	064-03990 [Ⓢ]	1	064-03990 [Ⓢ]
27	Shaft, Main	1	064-11655	1	See Pg. 11 T.1, Item 425	1	064-11655	1	See Pg. 13 T.2, Item 410
28	Gear Set	1	See Compr. Nameplate	1	See Compr. Nameplate	1	See Compr. Nameplate	1	See Compr. Nameplate
29	Collar Impeller Clamping	1	064-11659	1	064-21477	1	064-11659	1	064-21477
30	Washer Special (Impeller)	1	064-16500	1	064-21478	1	064-16500	1	064-21478
31	Screw Cap, 12 Pt. Hd. 5/8-18 X 13-3/4 Lg.	1	021-12151	—	—	1	021-12151	—	—
32	Screw Cap, 12 Pt. Hd. 3/4-16 X 4-3/4 Lg.	—	—	—	021-12174	—	—	1	021-12174
33	Screw, Tap 12 Pt. Hd. 3/8-16 X 1-1/2 Lg.	17	021-11175	11	021-11175	17	021-11175	11	021-11175
34	Washer, Flat	6	064-11649	—	—	6	064-11649	—	—
35	Ring, Retainer Internal Beveled	—	—	—	029-08736	—	—	1	029-08736
36	Cover Low Speed Thrust Bearing	1	064-45859 [Ⓢ]	1	—	1	064-45859 [Ⓢ]	—	—
37	Plate Back-Up	—	—	1	064-45730	—	—	1	064-45830
38	Plate Thrust—L.S.	—	—	1	064-45835 [Ⓢ]	—	—	1	064-45835 [Ⓢ]
39	Pin Insert 3/16" X 1/2" Lg.	3	029-04138	2	029-04138	3	029-04138	2	029-04138
40	Pin, Insert 3/32 Dia. X 5/8 Lg.	1	029-04842 [Ⓢ]	2	029-04842 [Ⓢ]	1	029-04842 [Ⓢ]	2	028-04842 [Ⓢ]
41	Collar, Thrust Low Speed	1	064-45856 [Ⓢ]	1	064-45845 [Ⓢ]	1	064-45856 [Ⓢ]	1	064-45845 [Ⓢ]
42	Screw, Cap 12 Pt. Hd. 5/16-24 X 1-1/4" Lg. L.H. Thd.	1	021-11532	1	021-11532	1	021-11532	1	021-11532
43	Collar, Thrust Reverse Low Speed (Bearing)	—	—	1	064-45844 [Ⓢ]	—	—	1	064-45844 [Ⓢ]
44	Seal, "O" Ring	1	See Pg. 10 T.1, Item 424	1	See Pg. 11 T.1, Item 423	1	028-07407 [Ⓢ]	1	028-07407 [Ⓢ]
45	Drive Shaft	1	See Pg. 10 T.1, Item 402	1	See Pg. 11 T.2, Item 413	1	064-14971	1	See Pg. 13 T.4, Item 409
46	Bearing, Gear, Rear	1	064-45833 [Ⓢ]	1	064-45833 [Ⓢ]	1	064-45851 [Ⓢ]	1	064-45851 [Ⓢ]
47	Ring, Retainer Internal (Herm.)	1	029-06722	1	029-06722	1	029-06722	1	029-06722
48	Ring, Shaft Seal (Herm.)	1	064-24452 [Ⓢ]	1	064-24452 [Ⓢ]	—	—	—	—
49	Seal, "O" Ring 3-3/4 I.D. X 1/8 Sect. (Herm.)	1	028-07901 [Ⓢ]	1	028-07901 [Ⓢ]	—	—	—	—
50	Cover Shaft Seal (Open) Ⓢ	—	—	—	—	1	064-22929	1	064-22929
51	Ring Shaft Seal (Open) Ⓢ	—	—	—	—	1	064-15385	1	064-15385

Ⓢ Part is part of Compressor Bearing Kit, MTG/LTG 67-76, Part No. 464-46260. Ⓢ Shaft Seal Kit, Part No. 464-24258.
 ▲ Part is part of Compressor Bearing Kit, MTG/LTG 85-95, Part No. 464-46261.
 ★ Part is part of Hermetic Motor Bearing Kit, MTG 67, 76, 85 & 95, Part No. 464-46262.

Compressor Common Parts List

Item	Description	Hermetic Compressors				Open Compressors			
		Model MTG67 or 76		Model MTG85 or 95		Model LTG67 or 76		Model LTG85 or 95	
		Quan.	Part No.	Quan.	Part No.	Quan.	Part No.	Quan.	Part No.
51	Spring, Helical L.H. (Open) Ⓢ	—	—	—	—	1	029-11568	1	029-11568
52	Gasket (Open) (Coupling Guard)	—	—	—	—	1	064-22706 [Ⓢ]	1	064-22706 [△]
53	Collar, Shaft Seal (Open) Ⓢ	—	—	—	—	1	064-12318	1	064-12318
54	Seal, "O" Ring 1-3/4 I.D. X 1/8 Sect. (Open) Ⓢ	—	—	—	—	2	028-04348 [Ⓢ]	2	028-04348 [△]
55	Screw, Cap 12 Pt. Hd. 3/8-16 X 1-3/8 Lg. (Open)	—	—	—	—	4	021-11986	4	021-11986
56	Spacer, Coupling Guard (Open)	—	—	—	—	1	064-22704	1	064-22704
57	Seal, "O" Ring 4" I.D. X 1/8 Sect. (Open) Ⓢ	—	—	—	—	1	028-04349 [Ⓢ]	1	028-04349 [△]
58	Guard Coupling (Open)	—	—	—	—	1	See Pg. 23	1	See Pg. 23
59	Coupling, YorkFlex (Open)	—	—	—	—	1	See Pg. 23	1	See Pg. 23
60	Bearing, Gear Front (Low Speed)	1	064-45832 [Ⓢ]	1	064-45832 [△]	1	064-45832 [Ⓢ]	1	064-45832 [△]
61	Gasket, Bearing Housing	1	064-11802 [Ⓢ]	1	064-15515 [△]	1	064-11802	1	064-15515
62	Seal, "O" Ring 19-1/2 O.D. X 1/4 Sect.	1	028-05401 [Ⓢ]	1	064-05401 [△]	1	064-05401 [Ⓢ]	1	064-05401 [△]
63	Plug, & "O" Ring 9/16-18 UNF (For Gear Locking Pin) "O" Ring, Part of Kit [Ⓢ] △	1	023-07158	1	023-07158	1	023-07158	1	023-07158
64	Connector, Cinch 3/8 O.D. Tube X 1/4 NPTE	3	023-06801	—	—	3	023-06801	—	—
65	Screw, Cap 12 Pt. Hd. 3/4-10 X 2-1/4 Lg. (Herm.)	16	021-11980	16	021-11980	—	—	—	—
66	Screw, Cap. 12 Pt. Hd. 3/4-10 X 2" Lg. (Open)	—	—	—	—	16	021-11736	16	021-11736
67	Screw, Set Headless Hex 1/2-20 UNF X 1" Lg. (Herm.)	4	021-12234	4	021-12234	—	—	—	—
68	Screw, Cap 12 Pt. Hd. 5/8-11 X 1-1/2" Lg.	32	021-11159	—	—	32	021-11159	—	—
69	Gasket	1	064-27980 [Ⓢ]	1	064-29866 [△]	1	064-27980 [Ⓢ]	1	064-29866 [△]
70	Screw, Cap 12 Pt. Hd. 3/8-16 X 1-1/4" Lg.	45	021-11141	28	021-11141	17	021-11141	—	—
71	Screw, Cap 12 Pt. Hd. 5/8-11UNC X 2" Lg.	—	—	36	021-11971	—	—	36	021-11971
72	Screw, Cap 12 Pt. Hd. 3/8-16UNC X 1-3/4" Lg.	—	—	20	021-11916	—	—	20	021-11916
73	Screw, Cap 12 Pt. Hd. 3/8-16UNC X 7/8" Lg.	14	021-11139	8	021-11139	6	021-11139	—	—
74	Screw, Cap 12 Pt. Hd. 3/8-16UNC X 1" Lg.	24	021-11149	33	021-11149	—	—	9	021-11149
75	Shaft, Control	1	029-13581	1	029-13581	1	029-13581	1	029-13581
76	Lever, PRV Internal	1	364-20399	1	364-21442	1	364-20399	1	364-21442
77	Rod Adjustable	1	064-12314	1	064-09080	1	064-12314	1	064-09080
78	Cover Shaft Control	1	064-13909	1	064-13909	1	064-13909	1	064-13909
79	Gasket	1	028-00781	1	028-00781	1	028-00781	1	028-00781
80	Seal, "O" Ring, 1-3/8 O.D. X 1/8 Sect.	2	028-04353	2	028-04353	2	028-04353	2	028-04353
81	Seal, "O" Ring, 1 I.D. X 1/8 Sect.	1	028-04522	1	028-04522	1	028-04522	1	028-04522
82	Bearing, Rod End Spherical	2	029-08343	2	029-07015	2	029-08343	1	029-07015
83	Lockwasher, Spring 3/8	1	021-10815	—	—	1	021-10815	—	—
84	Nut, Hex 3/8-24 UNF	2	021-00474	—	—	2	021-00474	—	—
85	Fillpiece	3	064-12328	1	064-09070	3	064-12328	1	064-09070
86	Screw, Special	1	064-10825	1	064-09078	1	064-10825	1	064-09078
87	Pin, Cotter 3/32 Dia. X 3/4" Lg.	1	021-01083	1	021-01083	1	021-01083	1	021-01083
88	Screw, Cap 12 Pt. Hd. 1/2-20 X 6" Lg.	1	021-11998	1	021-11998	1	021-11998	1	021-11998
89	Nut, Hex. 1/4-20 UNC	16	021-00450	16	021-00450	8	021-00450	8	021-00450
90	Screw, Cap Hex. Hd. 1/4-20 X 1-1/2" Lg.	1	021-02399	—	—	1	021-02399	—	—
91	Screw, Cap Hex Hd. 1/4-20 X 1" Lg.	3	021-11914	2	021-11914	2	021-11914	2	021-11914
92	Arm Crank PRV	1	025-17073	1	064-33690	1	025-17073	1	064-33690
93	Bolt, Shoulder 1/4-20 X 1-5/8" Lg.	1	064-28286	1	064-33744	1	064-28286	1	064-33744
94	Ring, 5/8 O.D. X 17/64" I.D. X 1/2" Lg.	1	064-28284	—	—	1	064-28284	—	—
95	Bolt, Shoulder 1/4-20 X 1-3/8" Lg.	1	064-28262	1	064-28262	1	064-28262	1	064-28262
96	Lockwasher, 1/4	2	021-05267	2	021-05267	2	021-05267	2	021-05267
97	Washer, 9/32 I.D.	4	021-05165	4	021-05165	2	021-05165	2	021-05165
98	Link, Extension PRV Actuator	2	064-28260	1	064-32604	2	064-28260	1	064-32604
99	Lever, PRV Device	1	364-28236	1	364-28236	1	364-28236	1	364-28236
100	Actuator Motor PRV	1	025-17174	1	025-17605	1	025-17174	1	025-17605

Ⓢ Part is part of Compressor Bearing Kit, MTG/LTG 67-76, Part No. 464-46260.

△ Part is part of Compressor Bearing Kit, MTG/LTG 85-95, Part No. 464-46261.

Ⓢ Shaft Seal Kit, Part No. 464-24258.

Compressor Common Parts List

Item	Description	Hermetic Compressors				Open Compressors			
		Model MTG67 or 76		Model MTG85 or 95		Model LTG67 or 76		Model LTG85 or 95	
		Quan.	Part No.	Quan.	Part No.	Quan.	Part No.	Quan.	Part No.
101	Screw Cap 12 pt.Hd. 1/4-20 x 3/4Lg.	11	021-11741	11	021-11741	3	021-11741	3	021-11741
102	Washer Special	1	064-08815	1	064-08815	1	064-08815	1	064-08815
103	Lockwasher, Spring 1/2	—	—	1	021-05271	—	—	1	021-05271
104	Nut, Hex 1/2-20 UNF 2B	—	—	3	021-10171	—	—	1	021-10171
105	Screw, Special	—	—	1	064-09079	—	—	1	064-09079
106	Screw, Cap Hex Hd. 1/4-20 x 1-1/4	—	—	1	021-01392	—	—	—	—
107	Screw Socket Set 10-24 x 3/8Lg.	—	—	1	021-03910	—	—	1	021-03910
108	Ring, Fill	—	—	1	064-29258	—	—	1	064-29258
109	Bracket Motor Mounting	—	—	1	364-32605	—	—	1	364-32605
110	Link, Extension PRV	—	—	1	064-32609	—	—	1	064-32609
111	Screw, Mach. Recessed 10-24 x 3/8Lg.	3	021-03745	3	021-03745	3	021-03745	3	021-03745
112	Clip, Top	1	221-11600	—	—	1	221-11600	—	—
113	Screw Mach Recessed 10-24 x 5/8Lg.	1	021-01785	2	021-01785	1	021-01785	2	021-01785
114	Eliminator, Oil (Frame Type)	1	364-13441	1	364-18474	1	364-13441	1	364-11474
115	Elbow, 90° 1/2" Tube x 1/4 NPTE	1	023-11372	1	023-11372	1	023-11372	1	023-11372
116	Tee, Hyd. Fla. 1/2 Tube x 3/8 NPTF x 1/2" Tube	1	023-11371	1	023-11371	1	023-11371	1	023-11371
117	Elbow, 90° Fla Hyd. 1/2 Tube x 3/8 NPTE	1	023-09681	1	023-09681	1	023-09681	1	023-09681
118	Elbow, 90° Fla Hyd. 3/8 Tube x 3/8 FPTE	1	023-09680	1	023-09680	1	023-09680	1	023-09681
119	Connection, Tubing 1/2 O.D. x .049 wall	1	364-45883	1	364-45843	1	364-45883	1	364-45843
120	Connection, Tubing 1/2 O.D. x .049 wall	1	364-45884	1	364-45836	1	364-45884	1	364-45836
121	Connection, Tubing 3/8 O.D. x .049 wall	1	364-45885	1	364-45850	1	364-45885	1	364-45850
122	Oil Reservoir, Emergency	1	364-45839	1	364-45839	1	364-45839	1	364-45839
123	Clamp	1	064-45861	1	064-45840	1	064-45861	1	064-45840
124	Washer, Plain, 3/16	2	021-05164	2	021-05164	2	021-05164	2	021-05164
125	Plug, Pipe, Sq Soc. Ctsk Hd 1-1/4	3	023-02015	—	—	3	023-02015	—	—
126	Tee, Cinch 3/8 Tube x 1/4 NPTI	1	023-09654	1	023-09654	—	—	—	—
127	Tube, 3/8 O.D. x .049 wall x 17" Lg.	1	064-31762	1	064-31762	—	—	—	—
128	Pin Dowel 1/2" Dia x 2" Lg.	3	029-10646	3	029-10646	3	029-10646	3	029-10646
129	Screw, Cap 12 pt. Hd. 1/2-20UNF x 1-1/2Lg.	3	021-11934	3	021-11934	—	—	—	—
130	Plug, Pipe 1-1/2"	3	023-04020	2	023-04020	2	023-04020	2	023-04020
131	Plug, Pipe Hex. Soc. Hd, 1/2	3	023-01994	2	023-01994	2	023-01994	2	023-01994
132	Screw, Drive #8 x 1/2Lg.	4	021-15396	4	021-15396	4	021-15396	4	021-15396
133	Gasket, Handhole Cover	1	064-22039*	1	064-22039*	—	—	—	—
134	Plate Cover	1	064-21997	1	064-21997	1	064-45858	1	064-45858
135	Box, Electrical Oct. Cone Ring	1	025-10290	1	025-10290	—	—	—	—
136	Cover Electrical Box Oct. Cone Ring	1	025-10291	1	025-10291	—	—	—	—
137	Elbow, 45° 3/4 Tube x 3/4 NPTE	1	023-07264	2	023-07264	2	023-07264	2	023-07264
138	Tube, 3/4 O.D. x .049 x 24" Lg.	1	064-27288	—	—	1	064-27288	—	—
139	Tube, 3/4 O.D. x .049 x 33" Lg.	—	—	1	064-31782	—	—	1	064-31782
140	Plug, 2" Sq. Hd.	—	—	1	023-04021	—	—	2	023-04021
141	Plug Pipe 1/4" Sq. Hd.	4	023-01972	3	023-01972	2	023-01972	3	023-01972
142	Washer 17/64 I.D. x .016 Thk.	—	—	—	—	5	021-11973	5	021-11973
143	Plunger Valve 0.1 Relief	—	—	—	—	1	064-14790	1	064-14790
144	Cap Seal Oil Relief	—	—	—	—	1	065-06394	1	065-06394
145	Gasket, 7/8 O.D. x 5/64 THK	—	—	—	—	1	028-03021	1	028-03021
146	Spring Helical	—	—	—	—	1	029-06143	1	029-06143
147	Pin Insert 1/4" Dia x 7/8Lg.	—	—	1	029-07014 [▲]	—	—	1	029-07014 [▲]
148	Motor Housing	1	See Pg. 10 Table 1 Item 417	1	See Pg. 11 Table 2 Item 414	—	—	—	—
149	Support Bearing Terminal End	1	064-45842	1	064-45842	—	—	—	—
150	Gasket Bearing Support, Terminal End	1	064-16871*	1	064-16871*	—	—	—	—

▲ Part is part of Compressor Bearing Kit, MTG/LTG 85-95, Part No. 464-46261.

★ Part is part of Hermetic Motor Bearing Kit, MTG 67, 76, 85 & 95, Part No. 464-46262.

Compressor Common Parts List

Item	Description	Hermetic Compressor				Open Compressor			
		Model MTG67 or 76		Model MTG85 or 95		Model MTG67 or 76		Model MTG85 or 95	
		Quan.	Part No.	Quan.	Part No.	Quan.	Part No.	Quan.	Part No.
151	Housing, Seal and Liquid Inlet	1	064-21999	1	064-21999	—	—	—	—
152	Plug, Pipe Hex Socket Ha. 1/8	2	023-01970	2	023-01970	—	—	—	—
153	Washer Spring	5	064-12001	5	064-12001	—	—	—	—
154	Ring, Seal	6	064-11997*	6	064-11997*	—	—	—	—
155	Gasket, 4-3/4 O.P. X 4" I.D. X 1/32" Thk.	2	064-12144*	2	064-12144*	—	—	—	—
156	Flange, Seal Retainer	1	064-21996	1	064-21996	—	—	—	—
157	Ring, Retaining Internal	4	029-08498	4	029-08498	—	—	—	—
158	Bearing, Motor	2	064-45841*	2	064-45841*	—	—	—	—
159	Ring Retaining Internal	8	029-13615	2	029-13615	—	—	—	—
160	Plug, Pipe 1/8"	1	023-01969	1	023-01969	—	—	—	—
161	Plug Stator Locking	1	064-12161	1	064-12161	—	—	—	—
162	Seal "O" Ring 15/16 I.D. X 3/32 Sect.	1	028-05403*	1	028-05403*	—	—	—	—
163	Support Bearing Compr. End	1	064-45846	1	064-45846	—	—	—	—
164	Cover Handhole	1	064-32320	1	064-32320	—	—	—	—
165	Plug, Sight	2	026-20261	2	026-20261	—	—	—	—
166	Gasket Handhole Cover	1	070-07509*	1	070-07509*	—	—	—	—
167	Elbow 45° 3/8 Tube X 1/4 NPTE	1	023-07092	1	023-07092	—	—	—	—
168	Tube, 3/8 O.D. X 049 Wall X 13" Lg.	1	064-31761	2	064-31761	—	—	—	—
169	Nipple, Pipe 1/4 Sch. 80 X 3-1/2 Lg.	1	070-00732	1	070-00732	—	—	—	—
170	Elbow, Street 1/4	1	023-05524	1	023-05524	—	—	—	—
171	Tube 3/8 O.D. X 049 Wall X 9" Lg.	1	064-31760	—	—	—	—	—	—
172	Elbow, Circh. 40°, 1/2" Tube X 3/8 NPTE	1	023-07162	1	023-07162	—	—	—	—
173	Tube, 1/2" O.D. X 049 Wall X 68" Lg.	1	064-31772	1	064-31772	—	—	—	—
174	Connector, 1/2" Tube X 1/4 NPTE	1	023-08562	—	—	—	—	—	—
175	Elbow, Cinch 1/2" Tube X 1/4 NPTE	—	—	1	023-08878	—	—	—	—
176	Stator	1	See Name-plate	1	See Name-plate	—	—	—	—
177	Rotor Assembly	1	See pg. 10 T.1, Item 415.	1	See pg. 11 T.2, Item 415.	—	—	—	—
178	Terminal, Push-On Fem.	4	025-06642	4	025-06642	—	—	—	—
179	Box, Terminal (Compr. Motor Power)	1	364-42276	1	364-42276	—	—	—	—
180	Support, End Term. Box (Compr. Motor Power)	2	064-45893	2	064-45893	—	—	—	—
181	Terminal Elect. 1/4 NPTE	4	025-18134	4	025-18134	—	—	—	—
182	Screw Cap 12 Pt. Hd. 3/8-16 X 5/8 Lg.	4	021-11979	4	021-11979	—	—	—	—
183	Washer, Plain 13/32 X 13/16 X 065 Thk.	4	021-01274	2	021-01274	—	—	—	—
184	Current Transformers	1	See pg. 17	1	See pg. 17	—	—	—	—
185	Fillpiece	—	—	1	064-09069	—	—	—	—
186	Terminal Motor	SEE TABLE 1 — PAGE 10.	Item 409	SEE TABLE 2 — PAGE 11.	Item 408	—	—	—	—
187	Lug, Electrical		Item 410		Item 409	—	—	—	—
188	Screw Cap Hex Hd. 1/4-20 DNC X 1/2 Lg.		Item 411		Item 410	—	—	—	—
189	Lockwasher 1/4		Item 412		Item 411	—	—	—	—
190	Bracket, Term.		Item 413		Item 412	—	—	—	—
191	Bar, Jumper Electrical		Item 414		Item 416	—	—	—	—
192	Lockwasher Spring 3/8		Item 416		Item 421	—	—	—	—
193	Screw Cap Hex Hd. 3/8-16 X 1-1/2 Lg.		Item 418		Item 417	—	—	—	—
194	Nut, Hex 3/8		Item 419		Item 418	—	—	—	—
195	Washer, Plain 13/32 I.D.		Item 420		Item 419	—	—	—	—
196	Washer, Plain 21/32 I.D.		Item 421		Item 420	—	—	—	—
197	Adhesive Sealing		Item 422		Item 425	—	—	—	—
198	Tube Micarta		Item 423		Item 427	—	—	—	—
199	Plate Insulating		Item 425		Item 428	—	—	—	—
200	Insulation Thermal		Item 426		Item 422	—	—	—	—
201	Strap Cable		Item 427		Item 438	—	—	—	—
202	Cover Electrical End Support		Item 428		Item 431	—	—	—	—
203	Screw Cap 12 Pt. Hd. 1/4-20 X 3/4		Item 429		Item 430	—	—	—	—
204	Nut Hex 1/4-20		Item 430		Item 429	—	—	—	—
205	Insulation Thermal		Item 431		Item 426	—	—	—	—
206	Tape Glass Fibre		Item 432		Item 431	—	—	—	—
207	Tubing, Electrical Insulated 5/8 I.D. X 24" Lg		Item 433		Item 433	—	—	—	—
208	Scr. Mach. Rd. Hd. Recd. No. 10-24 X 1/2 Lg.		Item 434		Item 434	—	—	—	—
209	Screw Cap Hex Hd. 5/16-18 UNC X 1/2		Item 435		Item 436	—	—	—	—
210	Lockwasher 5/16		Item 436		Item 437	—	—	—	—

★ Part is part of Hermetic Motor Bearing Kit — MTG 67, 76, 85 & 95, Part No. 464-46262.

HERMETIC COMPRESSOR

MODELS MTG 67—76 AND MTG 85—95

Motor Section

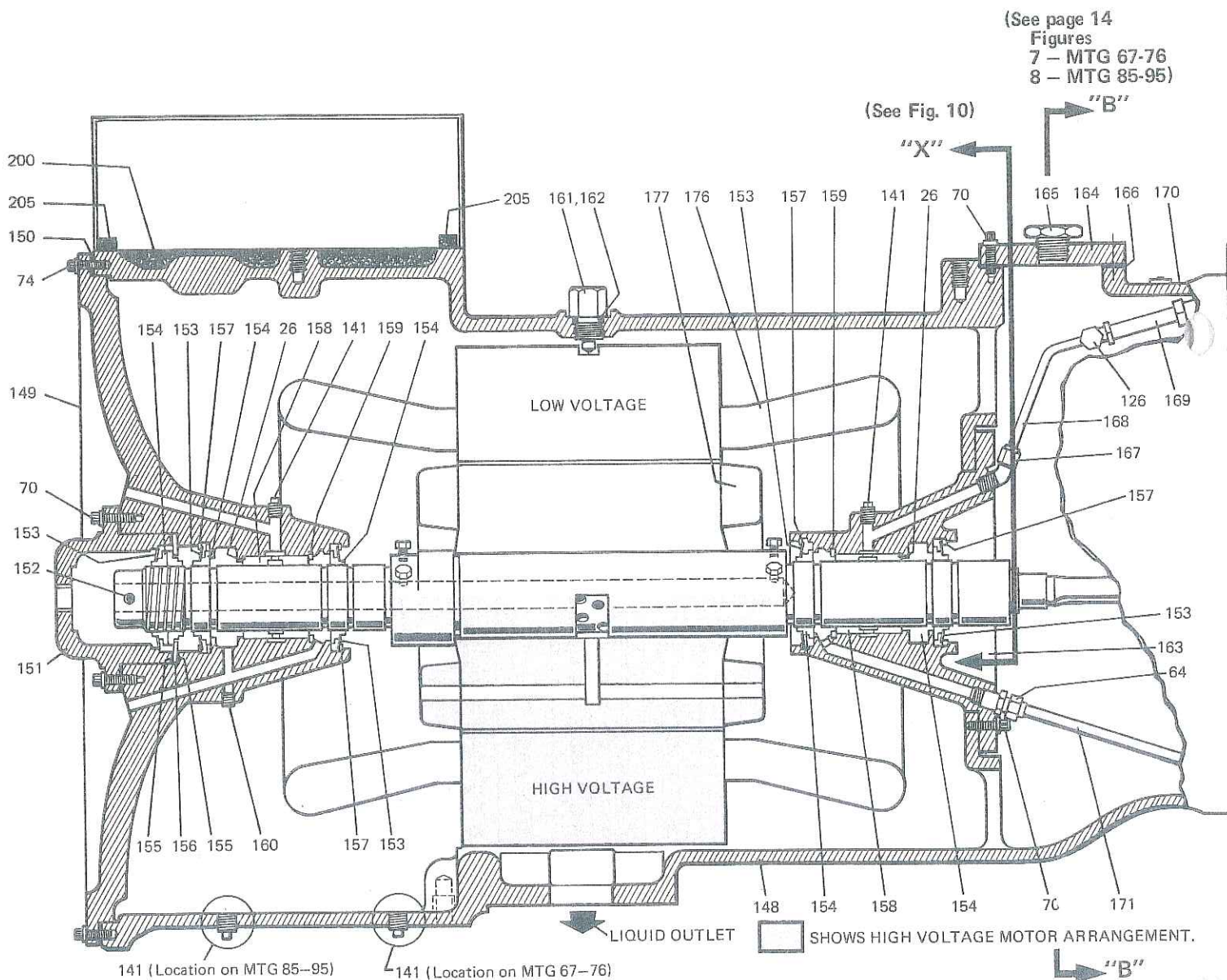
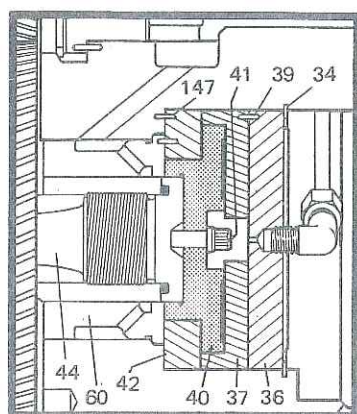


FIG. 1 — CUTAWAY VIEW — MTG 67, 76, 85 AND 95

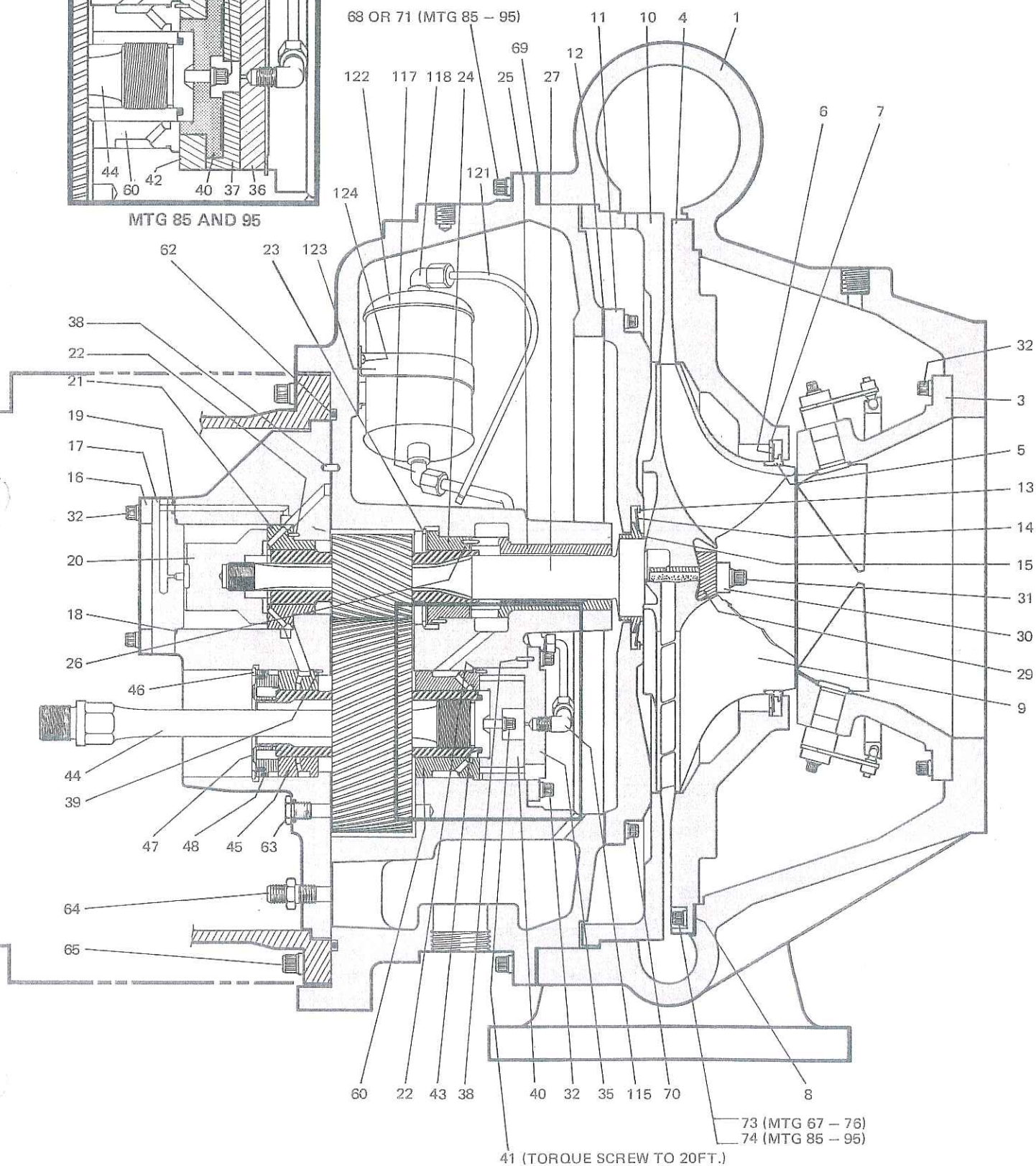
HERMETIC COMPRESSOR

MODELS MTG 67—76 AND MTG 85—95

Compressor Section



MTG 85 AND 95



Variable Parts Hermetic Compressor — Models MTG 67 AND 76

TABLE 1 — VARIABLE PARTS HERMETIC COMPRESSOR — MODELS MTG 67 AND 76

Item No.	Description	60 Hertz						50 Hertz					
		Qty	364-45853-002 MTG-67 L.V.	Qty	364-45853-003 MTG-67 H.V.	Qty	364-45853-004 MTG-76 L.V.	Qty	364-45853-005 MTG-76 H.V.	Qty	364-45853-006 MTG-67 L.V.	Qty	364-45853-007 MTG-76 L.V.
401	Device, Pre-rotation	1	364-15250	1	364-15250	1	364-15249	1	364-15249	1	364-15250	1	364-15249
402	Shaft, Drive	1	064-14971	1	064-14971	1	064-14971	1	064-14971	1	064-27393	1	064-27393
403	Ring, Seal Impeller	1	064-20430	1	064-20430	1	064-20431	1	064-20431	1	064-20430	1	064-20431
404	Washer, Flat Spring	1	064-06242	1	064-06242	1	064-05741	1	064-05741	1	064-06242	1	064-05741
405	Plate, Nozzle Base	1	064-20409	1	064-20409	1	064-20410	1	064-20410	1	064-20409	1	064-20410
406	Plate, Diffuser	1	064-11810	1	064-11810	1	064-11638	1	064-11638	1	064-11810	1	064-11638
407	Impeller	1	064-11297	1	064-11297	1	064-11127	1	064-11127	1	064-11297	1	064-11127
408	Ring, Ret. Oil Seal	1	064-06243	1	064-06243	1	064-05742	1	064-05742	1	064-06243	1	064-05742
409	Terminal, Motor	6	025-18133	3	025-18133	6	025-18133	3	025-18133	6	025-18133	6	025-18133
410	Lug Elec	—	—	1	025-19985	—	—	1	025-19985	—	—	—	—
411	Scr., Cap Hex Hd. 1/4-20 UNC x 1/2	—	—	1	021-02438	—	—	1	021-02438	—	—	—	—
412	Lockwasher, 1/4	—	—	1	021-08276	—	—	1	021-08276	—	—	—	—
413	Bracket, Term.	6	064-42259	3	064-27898	6	064-42259	3	064-27898	6	064-42259	6	064-42259
414	Bar, Elec. Jumper	3	764-95037-003	—	—	3	764-95037-003	—	—	3	764-95037-003	3	764-95037-003
415	Rotor, Hermetic Motor	1	364-45887	1	364-45887	1	364-45887	1	364-45887	1	364-45888	1	364-45888
416	Lockwasher, Spring 3/8	6	021-05247	3	021-05247	6	021-05247	3	021-05247	6	021-05247	6	021-05247
417	Housing, Motor	1	064-42241	1	064-42241	1	064-42241	1	064-42241	1	064-42241	1	064-42241
418	Scr., Cap Hex Hd. 3/8-16 x 1/2 Lg.	6	021-01497	3	021-01497	6	021-01497	3	021-01497	6	021-01497	6	021-01497
419	Nut, Hex 3/8	6	021-00466	3	021-00466	6	021-00466	3	021-00466	6	021-00466	6	021-00466
420	Washer, Plain 12/32 I.D.	12	021-01274	6	021-01274	12	021-01274	6	021-01274	12	021-01274	12	021-01274
421	Washer, Plain 21/32 I.D.	—	—	3	021-01239	—	—	3	021-01239	—	—	—	—
422	Adhesive, Sealing	—	—	A.R.	013-02065	—	—	A.R.	013-02065	—	—	—	—
423	Tube, Micarta	—	—	3	064-42127	—	—	3	064-42127	—	—	—	—
424	Seal, "O" Ring	1	028-07407	—	—	1	028-07407	—	—	1	028-08269	—	—
425	Plate, Insulating	—	—	3	025-14470	—	—	3	025-14470	—	—	—	—
426	Insulation, Thermal	1	064-24462	1	064-29412	1	064-24462	1	064-29412	1	064-24462	1	064-24462
427	Strap, Cable	—	—	1	025-11098	—	—	1	025-11098	—	—	—	—
428	Cover, Elec. End Support	2	064-21502	—	—	2	064-21502	—	—	2	064-21502	2	064-21502
429	Scr., Cap 12 Pt. Hd. 1/4-20 x 3/4 L.G.	4	021-11741	—	—	4	021-11741	—	—	4	021-11741	4	021-11741
430	Nut, Hex 1/4-20 UNC	4	021-00450	—	—	4	021-00450	—	—	4	021-00450	4	021-00450
431	Insulation, Thermal	2	064-24480	—	—	2	064-24480	—	—	2	064-24480	2	064-24480
432	Tape, Glass Fibre	—	—	A.R.	035-00131	—	—	A.R.	035-00131	—	—	—	—
433	Tubing, Elec. Ins. 5/8 I.D. x 24 L.G.	—	—	1	064-31423	—	—	1	064-31423	—	—	—	—
434	Scr., Mach Rd. Hd. Recd 10-24 x 1/2	—	—	1	021-08209	—	—	1	021-08209	—	—	—	—
435	Scr., Cap Hex Hd. 5/16-18 UNC x 1/2	1	021-01411	—	—	1	021-01411	—	—	1	021-01411	1	021-01411
436	Lockwasher, 5/16	1	021-08697	—	—	1	021-08697	—	—	1	021-08697	1	021-08697

A.R. — As Required.

Item No.	Description	60 Hertz (305 H.P.)				50 Hertz (305 H.P.)			
		Qty	364-45853-008 MTG-76 L.V.	Qty	364-45853-009 MTG-76 H.V.	Qty	364-45853-010 MTG-76 L.V.	Qty	364-45853-011 MTG-76 H.V.
401	Device, Pre-rotation	1	364-15249	1	364-15249	1	364-15249	1	364-15249
402	Shaft, Drive	1	064-14971	1	064-14971	1	064-27393	1	064-27393
403	Ring, Seal Impeller	1	064-20431	1	064-20431	1	064-20431	1	064-20431
404	Washer, Flat Spring	1	064-05741	1	064-05741	1	064-05741	1	064-05741
405	Plate, Nozzle Base	1	064-20410	1	064-20410	1	064-20410	1	064-20410
406	Plate, Diffuser	1	064-11638	1	064-11638	1	064-11638	1	064-11638
407	Impeller	1	064-11127	1	064-11127	1	064-11127	1	064-11127
408	Ring, Ret. Oil Seal	1	064-05742	1	064-05742	1	064-05742	1	064-05742
409	Terminal, Motor	6	025-18133	3	025-18133	6	025-18133	3	025-18133
410	Lug Elec	—	—	1	025-19985	—	—	1	025-19985
411	Scr., Cap Hex Hd. 1/4-20 UNC x 1/2	—	—	1	021-02438	—	—	1	021-02438
412	Lockwasher, 1/4	—	—	1	021-08276	—	—	1	021-08276
413	Bracket, Term.	6	064-42259	3	064-27898	6	064-42259	3	064-27898
414	Bar, Elec. Jumper	3	764-95037-003	—	—	3	764-95037-003	—	—
415	Rotor, Hermetic Motor	1	364-45886	1	364-45889	1	364-45890	1	364-45892
416	Lockwasher, Spring 3/8	6	021-05247	3	021-05247	6	021-05247	3	021-05247
417	Housing, Motor	1	064-42246	1	064-42246	1	064-42246	1	064-42246
418	Scr., Cap Hex Hd. 3/8-16 x 1/2 Lg.	6	021-01497	3	021-01497	6	021-01497	3	021-01497
419	Nut, Hex 3/8	6	021-00466	3	021-00466	6	021-00466	3	021-00466
420	Washer, Plain 12/32 I.D.	12	021-01274	6	021-01274	12	021-01274	6	021-01274
421	Washer, Plain 21/32 I.D.	—	—	3	021-01239	—	—	3	021-01239
422	Adhesive, Sealing	—	—	A.R.	013-02065	—	—	A.R.	013-02065
423	Tube, Micarta	—	—	3	064-42127	—	—	3	064-42127
424	Seal, "O" Ring	1	028-07407	—	—	1	028-08269	—	—
425	Plate, Insulating	—	—	3	025-14470	—	—	3	025-14470
426	Insulation, Thermal	1	064-24462	1	064-29412	1	064-24462	1	064-29412
427	Strap, Cable	—	—	1	025-11098	—	—	1	025-11098
428	Cover, Elec. End Support	2	064-21502	—	—	2	064-21502	—	—
429	Scr., Cap 12 Pt. Hd. 1/4-20 x 3/4 L.G.	4	021-11741	—	—	4	021-11741	—	—
430	Nut, Hex 1/4-20 UNC	4	021-00450	—	—	4	021-00450	—	—
431	Insulation, Thermal	2	064-24430	—	—	2	064-24480	—	—
432	Tape, Glass Fibre	—	—	A.R.	035-00131	—	—	A.R.	035-00131
433	Tubing, Elec. Ins. 5/8 I.D. x 24 L.G.	—	—	1	064-31423	—	—	1	064-31423
434	Scr., Mach Rd. Hd. Recd 10-24 x 1/2	—	—	1	021-08209	—	—	1	021-08209
435	Scr., Cap Hex Hd. 5/16-18 UNC x 1/2	1	021-01411	—	—	1	021-01411	—	—
436	Lockwasher, 5/16	1	021-08697	—	—	1	021-08697	—	—

A.R. — As Required.

● Part is part of Compressor Bearing Kit-MTG 67-76, Part No. 464-46260

Variable Parts Hermetic Compressor — Models MTG 85 AND 95

TABLE 2 — VARIABLE PARTS HERMETIC COMPRESSOR — MODELS MTG 85 AND 95

Item No.	Description	305, 354 HP - 60 Hertz				305 HP - 60 Hertz				305, 354 HP - 50 HZ		305, 354 HP - 50 HZ 354, 390 HP - 60 HZ	
		Qty	364-45828-002 MTG-85 L.V.	Qty	364-45828-003 MTG-85 H.V.	Qty	364-45828-004 MTG-95 L.V.	Qty	364-45828-005 MTG-95 H.V.	Qty	364-45828-006 MTG-85 L.V.	Qty	364-45828-007 MTG-95 L.V.
401	Device, Pre-rotation	1	364-15255	1	364-15255	1	364-15266	1	364-15266	1	364-15255	1	364-15266
402	Ring, Seal Impeller	1	063-21418	1	064-21418	1	064-21417	1	064-21417	1	064-21418	1	064-21417
403	Washer, Flat Spring	1	064-05683	1	064-05683	1	064-05656	1	064-05656	1	064-05683	1	064-05656
404	Plate, Nozzle Base	1	064-21643	1	064-21643	1	064-21644	1	064-21644	1	064-21643	1	064-21644
405	Plate, Diffuser	1	064-12139	1	064-12139	1	064-12103	1	064-12103	1	064-12139	1	064-12103
406	Impeller	1	064-11968	1	064-11968	1	064-11969	1	064-11969	1	064-11968	1	064-11969
407	Ring, Retainer Oil Seal	1	064-05580	1	064-05580	1	064-05588	1	064-05588	1	064-05680	1	064-05588
408	Bolt, Terminal	6	025-18133	3	025-18133	6	025-18133	3	025-18133	6	025-18133	6	025-18133
409	Lug, Elec.	—	—	1	025-19985	—	—	1	025-19985	—	—	—	—
410	Scr. Cap. Hex Hd. 1/4-20 UNC x 1/2 LG.	—	—	1	021-02438	—	—	1	021-02438	—	—	—	—
411	Lockwasher, 1/4	—	—	1	021-08276	—	—	1	021-08276	—	—	—	—
412	Bracket Term	6	064-42259	3	064-27898	6	064-42259	3	064-27898	6	064-42259	6	064-42259
413	Shaft, Drive	1	064-14971	1	064-14971	1	064-14971	1	064-14971	1	064-27393	1	064-27393
414	HSG. Motor	1	064-42246	1	064-42245	1	064-42246	1	064-42245	1	064-42246	1	064-42245
415	Rotor, Harm. Motor	1	364-45886	1	364-45889	1	364-45886	1	364-45889	1	364-45886	1	364-45889
416	Bar, Elec. Jumper	3	764-95037-003	—	—	3	764-95037-003	—	—	3	764-95037-003	3	764-95037-003
417	Scr. Cap. Hex. Hd. 3/8-16 UNC x 1-1/2 LG.	6	021-01497	3	021-01497	6	021-01497	3	021-01497	6	021-01497	6	021-01497
418	Nut, Hex 3/8-16 UNC	6	021-00466	3	021-00466	6	021-00466	3	021-00466	6	021-00466	6	021-00466
419	Washer, Plain	—	—	3	021-01239	—	—	3	021-01239	—	—	—	—
420	Washer, Plain	12	021-01274	6	021-01274	12	021-01274	6	021-01274	12	021-01274	12	021-01274
421	Lockwasher, Spring 3/8	6	021-05247	3	021-05247	6	021-05247	3	021-05247	6	021-05247	6	021-05247
422	Insul, Thermal 3/4 x 7/8 x 40-1/2	2	064-24480	—	—	2	064-24480	—	—	2	064-24480	2	064-24480
423	Seal, "O" Ring	1	028-07407	1	028-07407	1	028-07407	1	028-07407	1	028-08269	1	028-08269
424	Shaft, Main	1	064-21479	1	064-21479	1	064-27568	1	064-27568	1	064-21479	1	064-27568
425	Adhesive, Sealing	—	—	A.R.	013-02065	—	—	A.R.	013-02065	—	—	—	—
426	Insul, Thermal	1	064-24462	1	064-29412	1	064-24462	1	064-29412	1	064-24462	1	064-24462
427	Tube, Micarta	—	—	3	064-42127	—	—	3	064-42127	—	—	—	—
428	Plate, Insulating	—	—	3	025-14470	—	—	3	025-14470	—	—	—	—
429	Nut, Hex 1/4-20 UNC	4	021-00450	—	—	4	021-00450	—	—	4	021-00450	4	021-00450
430	Scr. Cap 12Pt. Hd. 1/4-20 UNC x 3/4 LG.	4	021-11741	—	—	4	021-11741	—	—	4	021-11741	4	021-11741
431	Cover, Elec. End Support	2	064-21502	—	—	2	064-21502	—	—	2	064-21502	2	064-21502
432	Tape, Class Fibre	—	—	A.R.	035-00131	—	—	A.R.	035-00131	—	—	—	—
433	Tubing, Elec. Ins. 5/8 I.D. x 24 LG.	—	—	1	064-31423	—	—	1	064-31423	—	—	—	—
434	Scr. Mach. Rd. Hd. Recd. #10-24 x 1/2 LG.	—	—	1	021-08209	—	—	1	021-08209	—	—	—	—
435	Strap, Cable	—	—	1	025-11098	—	—	1	025-11098	—	—	—	—
436	Scr. Cap Hex. Hd. 5/16-18 UNC x 1/2 LG.	1	021-01411	—	—	1	021-01411	—	—	1	021-01411	1	021-01411
437	Lockwasher, 5/16	1	021-08697	—	—	1	021-08697	—	—	1	021-08697	1	021-08697

A.R. — As Required.

Item No.	Description	305, 354 HP - 50 HZ 354, 390 HP - 60 HZ		240 HP - 60 HZ		240 HP 60/50 HZ		240 HP - 50 HZ		305, 354 HP - 50 HZ	
		Qty	364-45828-008 MTG-85 H.V.	Qty	364-45828-009 MTG-85 L.V.	Qty	364-45828-010 MTG-85 H.V.	Qty	364-45828-011 MTG-85 L.V.	Qty	364-45828-012 MTG-85 H.V.
401	Device, Pre-rotation	1	364-15266	1	364-15255	1	364-15255	1	364-15255	1	364-15255
402	Ring, Seal Impeller	1	064-21417	1	064-21418	1	064-21418	1	064-21418	1	064-21418
403	Washer, Flat Spring	1	064-05656	1	064-05683	1	064-05683	1	064-05683	1	064-05683
404	Plate, Nozzle Base	1	064-21644	1	064-21643	1	064-21643	1	064-21643	1	064-21643
405	Plate, Diffuser	1	064-12103	1	064-12139	1	064-12139	1	064-12139	1	064-12139
406	Impeller	1	064-11969	1	064-11968	1	064-11968	1	064-11968	1	064-11968
407	Ring, Retainer Oil Seal	1	064-05588	1	064-05680	1	064-05680	1	064-05680	1	064-05680
408	Bolt, Terminal	3	025-18133	6	025-18133	3	025-18133	6	025-18133	3	025-18133
409	Lug, Elec.	1	025-19985	—	—	1	025-19985	—	—	1	025-19985
410	Scr. Cap. Hex Hd. 1/4-20 UNC x 1/2 LG.	1	021-02438	—	—	1	021-02438	—	—	1	025-02438
411	Lockwasher, 1/4	1	021-08276	—	—	1	021-08276	—	—	1	021-08276
412	Bracket Term	3	064-27898	6	064-42259	3	064-27898	6	064-42259	3	064-27898
413	Shaft, Drive	1	064-27393	1	064-14971	1	064-14971	1	064-27393	1	064-27393
414	HSG. Motor	1	064-42245	1	064-42241	1	064-42245	1	064-42241	1	064-42245
415	Rotor, Harm. Motor	1	364-45892	1	364-45887	1	364-45891	1	364-45888	1	364-45892
416	Bar, Elec. Jumper	—	—	3	764-95037-003	—	—	3	764-95037-003	—	—
417	Scr. Cap. Hex. Hd. 3/8-16 UNC x 1-1/2 LG.	3	021-01497	6	021-01497	3	021-01497	6	021-01497	3	021-01497
418	Nut, Hex 3/8-16 UNC	3	021-00466	6	021-00466	3	021-00466	6	021-00466	3	021-00466
419	Washer, Plain	3	021-01239	—	—	3	021-01239	—	—	3	021-01239
420	Washer, Plain	6	021-01274	12	021-01274	6	021-01274	12	021-01274	6	021-01274
421	Lockwasher, Spring 3/8	3	021-05247	6	021-05247	3	021-05247	6	021-05247	3	021-05247
422	Insul, Thermal 3/4 x 7/8 x 40-1/2	—	—	2	064-24480	—	—	2	064-24480	—	—
423	Seal, "O" Ring	1	028-08269	1	028-07407	1	028-07407	1	028-08269	1	028-08269
424	Shaft, Main	1	064-27568	1	064-21479	1	064-21479	1	064-21479	1	064-21479
425	Adhesive, Sealing	010	013-02065	—	A.R.	013-02065	—	—	—	A.R.	013-02065
426	Insul, Thermal	1	064-29412	1	064-24462	1	064-29412	1	064-24462	1	064-29412
427	Tube, Micarta	3	064-42127	—	—	3	064-42127	—	—	3	064-42127
428	Plate, Insulating	3	025-14470	—	—	3	025-14470	—	—	3	025-14470
429	Nut, Hex 1/4-20 UNC	—	—	4	021-00450	—	—	4	021-00450	—	—
430	Scr. Cap 12Pt. Hd. 1/4-20 UNC x 3/4 LG.	—	—	4	021-11741	—	—	4	021-11741	—	—
431	Cover, Elec. End Support	—	—	2	064-21502	—	—	2	064-21502	—	—
432	Tape, Class Fibre	1 Ft.	035-00131	—	—	A.R.	035-00131	—	—	A.R.	035-00131
433	Tubing, Elec. Ins. 5/8 I.D. x 24 LG.	1	064-31423	—	—	1	064-31423	—	—	1	064-31423
434	Scr. Mach. Rd. Hd. Recd. #10-24 x 1/2 LG.	1	021-08209	—	—	1	021-08209	—	—	1	021-08209
435	Strap, Cable	1	025-11098	—	—	1	025-11098	—	—	1	025-11098
436	Scr. Cap Hex. Hd. 5/16-18 UNC x 1/2 LG.	—	—	1	021-01411	—	—	1	021-01411	—	—
437	Lockwasher, 5/16	—	—	1	021-08697	—	—	1	021-08697	—	—

A.R. — As Required.

▲ Part is part of Compressor Bearing Kit, MTG/LTG 85-95, Part No. 464-46261.

OPEN COMPRESSOR MODELS LTG 67—76 AND LTG 85—95 Compressor Section

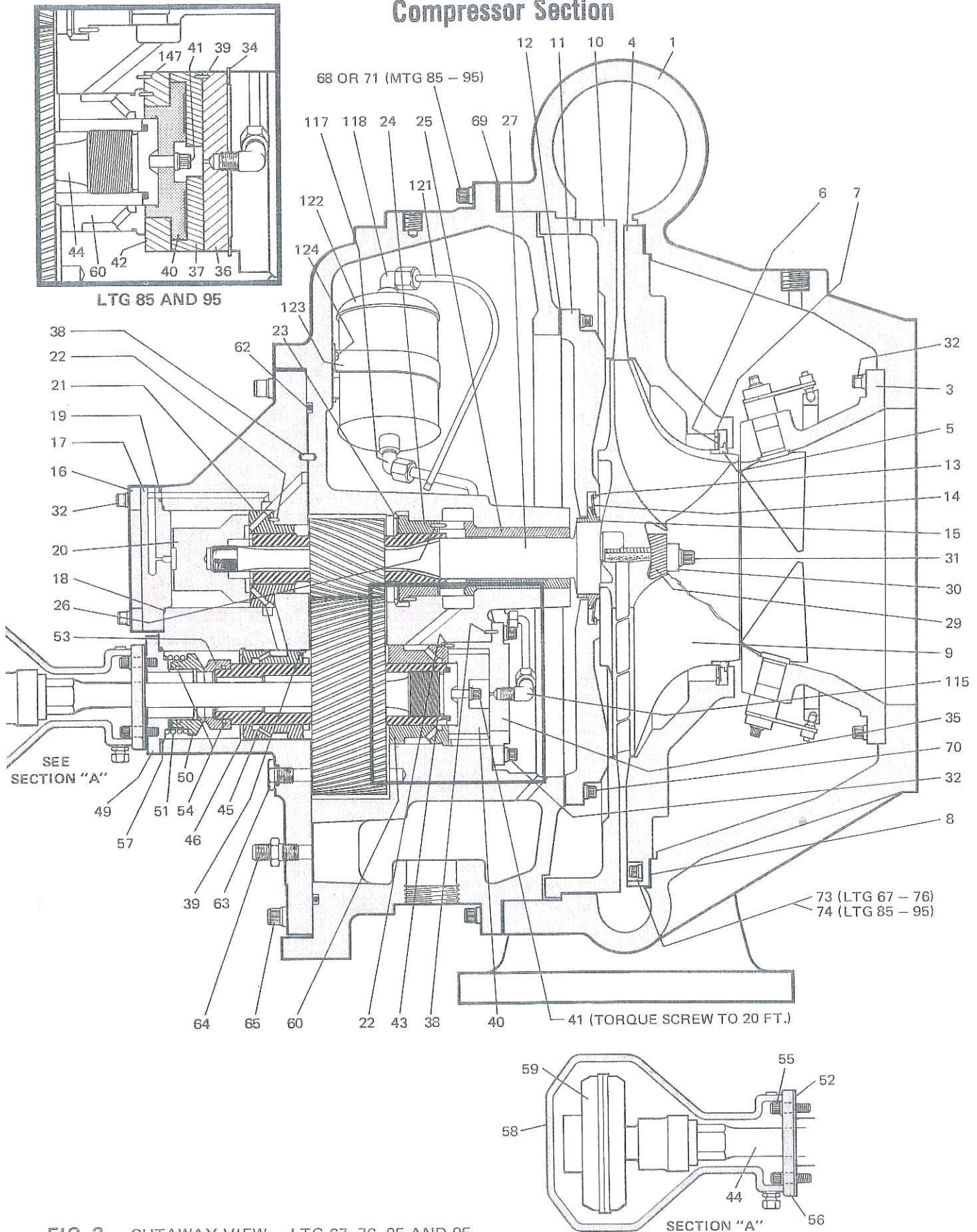


FIG. 2 — CUTAWAY VIEW — LTG 67, 76, 85 AND 95

Variable Parts Open Compressor — Models LTG 67, 76, 85 AND 95

TABLE 3 — VARIABLE PARTS OPEN COMPRESSOR — MODELS LTG67 AND LTG76

VARIABLE COMPONENTS					
Item No.	Elec. Motor Description	York Flex-Disk CPLG. (50 & 60 HZ)			
		Qty.	364-45854-002 LTG67	Qty.	364-45854-003 LTG76
402	Device, Pre-Rotation	1	364-15250	1	364-15249
403	Ring, Seal Impeller	1	064-20430	1	064-20431
404	Washer, Flat Spring	1	064-06242	1	064-05741
405	Plate, Nozzle Base	1	064-20409	1	064-20410
406	Plate, Diffuser	1	064-11810	1	064-11638
407	Impeller	1	064-11297	1	064-11127
408	Ring, Retaining Oil Seal	1	064-06243	1	064-05742
409	Shaft, Drive	1	064-14971	1	064-14971
410	Shaft, Main	1	064-11655	1	064-11655

TABLE 4 — VARIABLE PARTS OPEN COMPRESSOR — MODELS LTG85 AND LTG95

VARIABLE COMPONENTS									
Item No.	Elec. Motor Description	York Flex-Disk CPLG (50 & 60 HZ)				York Flex Cplg. (50 & 60 HZ)			
		Qty	364-45829-006 LTG-85	Qty	364-45829-007 LTG-95	Qty.	364-45829-008 LTG-95	Qty	364-45829-009 LTG-85
401	Collar, Thrust	1	064-45848	1	064-45849	1	064-45849	1	064-45859
402	Device, Pre-rotation	1	364-15255	1	364-15266	1	364-15266	1	264-15255
403	Ring, Seal Impeller	1	064-21418	1	064-21417	1	064-21417	1	064-21418
404	Washer, Flat Spring	1	064-05683	1	064-05656	1	064-05656	1	064-06583
405	Plate, Nozzle Base	1	064-21643	1	064-21644	1	064-21644	1	064-21643
406	Plate, Diffuser	1	064-12139	1	064-12103	1	064-12103	1	064-12139
407	Impeller	1	064-11968	1	064-11969	1	064-11969	1	064-11968
408	Ring, Retaining Oil Seal	1	064-05680	1	064-05588	1	064-05588	1	064-05680
409	Shaft, Drive	1	064-14971	1	064-14971	1	064-24520	1	064-24520
410	Shaft, Main	1	064-21479	1	064-27568	1	064-27568	1	064-27568

COMPRESSOR — MODELS MTG/LTG 67 OR 76 **Emergency Oil Reservoir**

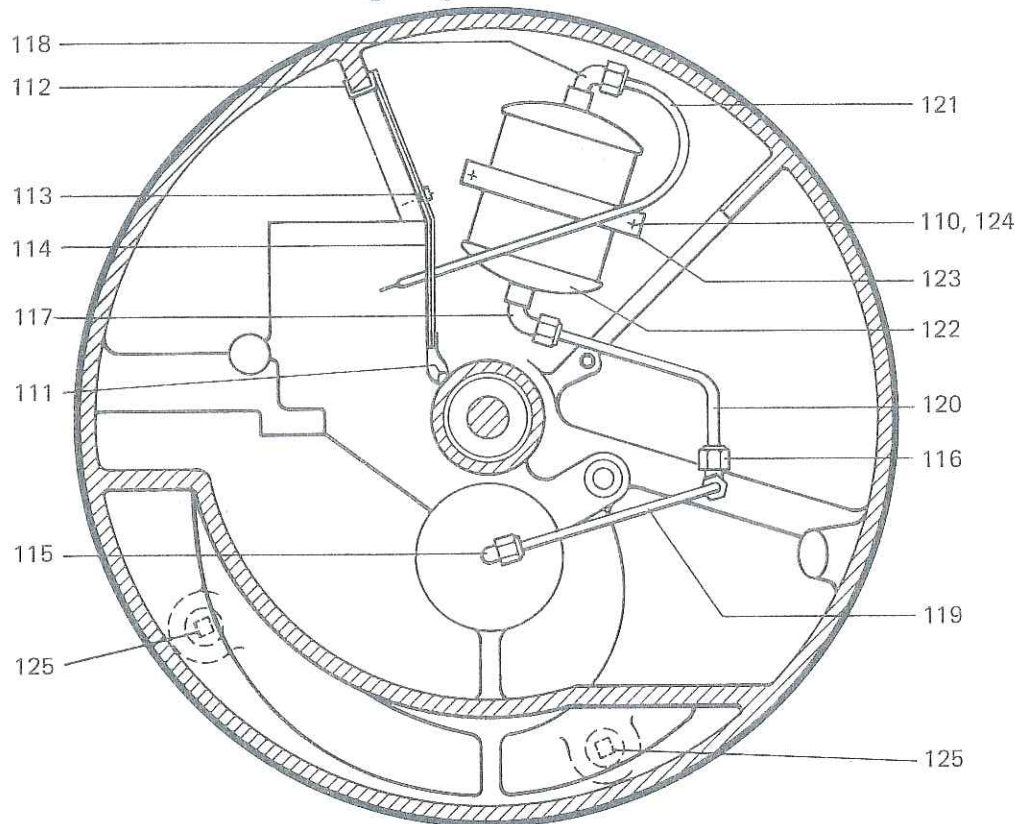


FIG. 3 — EMERGENCY OIL RESERVOIR — MODELS MTG/LTG 67 OR 76

COMPRESSOR — MODELS MTG/LTG 85 OR 95

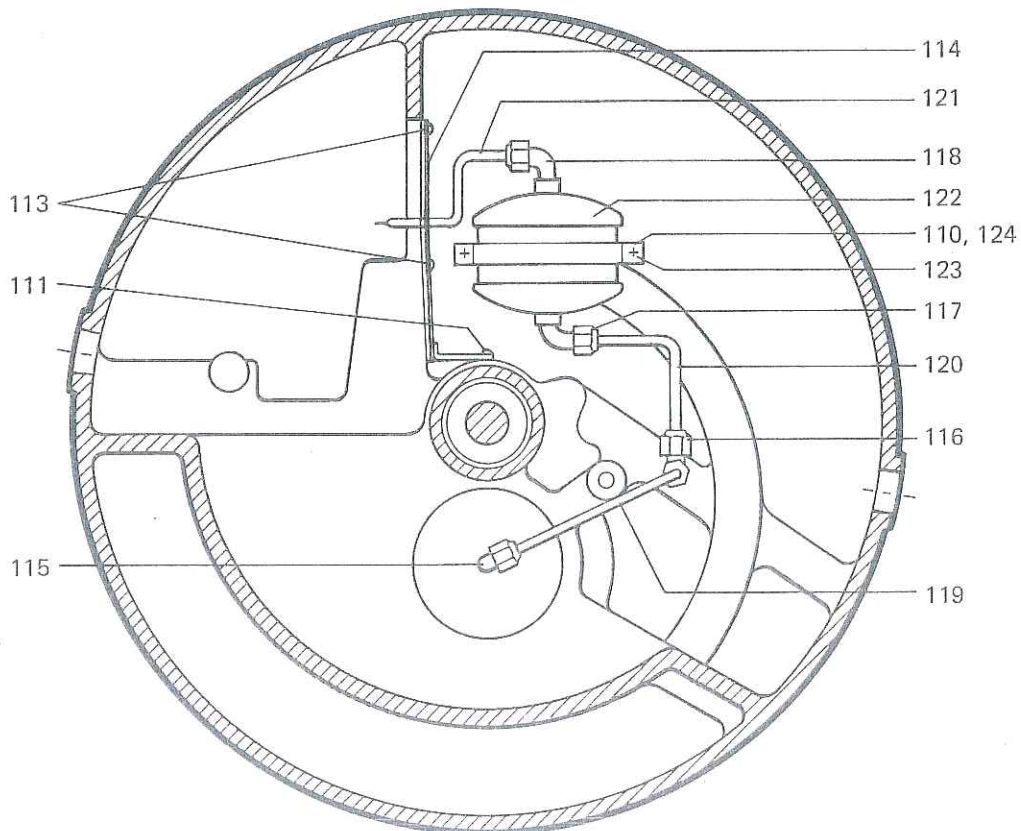


FIG. 4 — EMERGENCY OIL RESERVOIR — MODELS MTG/LTG 85 OR 95

PRV Linkage [External and Internal Parts] COMPRESSOR — MODELS MTG/LTG 67 AND 76

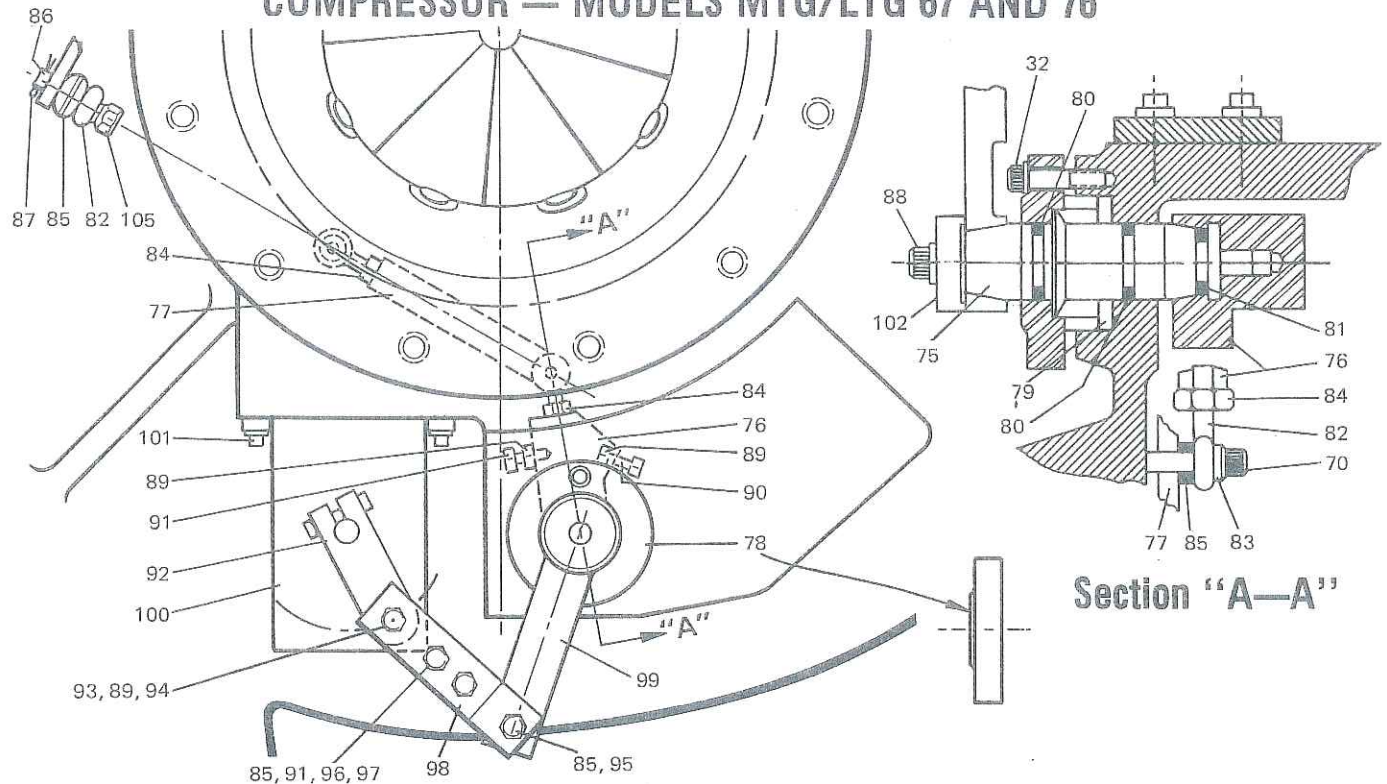


FIG. 5 — PRV LINKAGE — EXTERNAL AND INTERNAL PARTS — MODELS MTG/LTG 67 AND 76

COMPRESSOR — MODELS MTG/LTG 85 AND 95

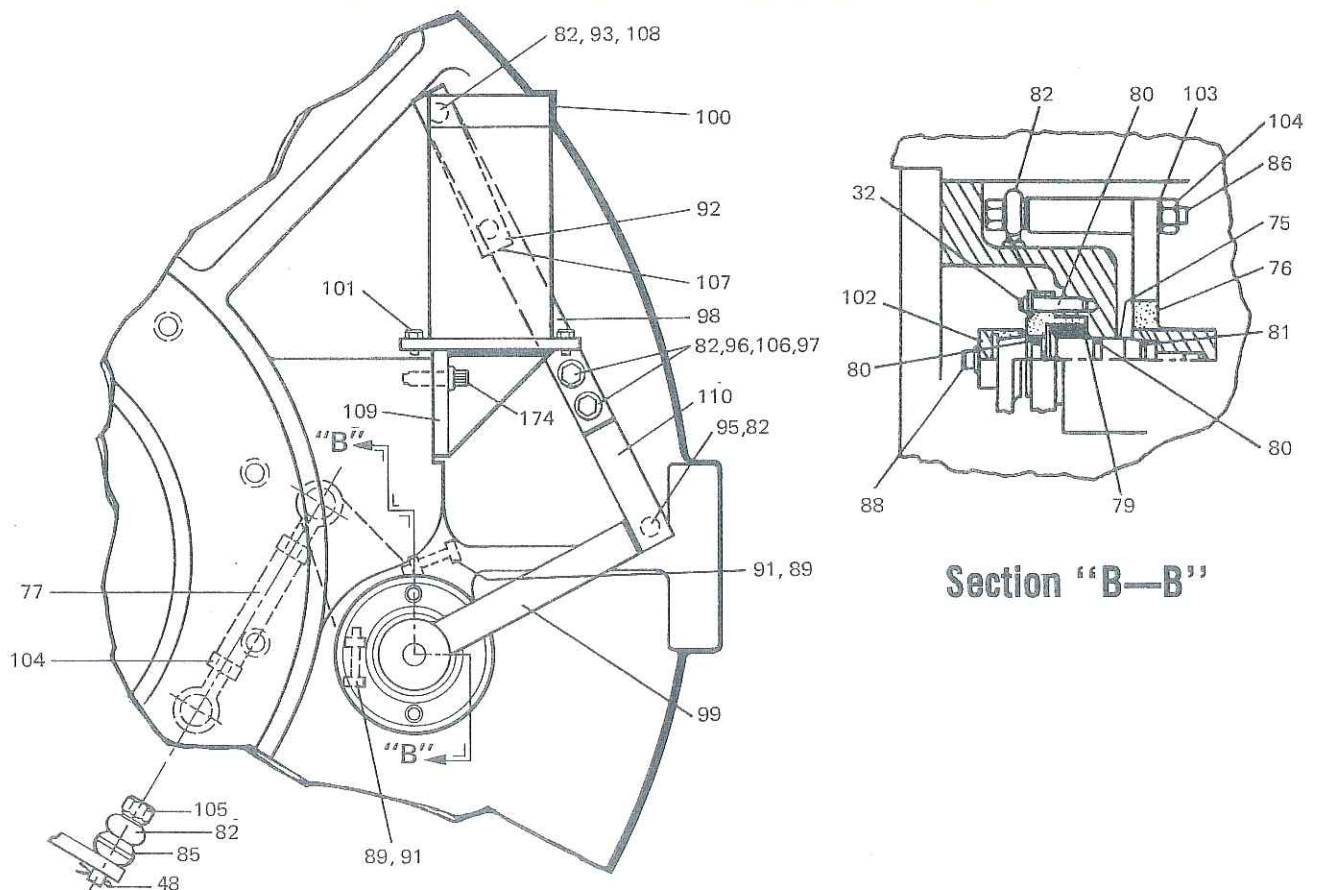


FIG. 6 — PRV LINKAGE — EXTERNAL AND INTERNAL PARTS — MODELS MTG/LTG 85 AND 95

COMPRESSOR — MTG 67 AND MTG 76

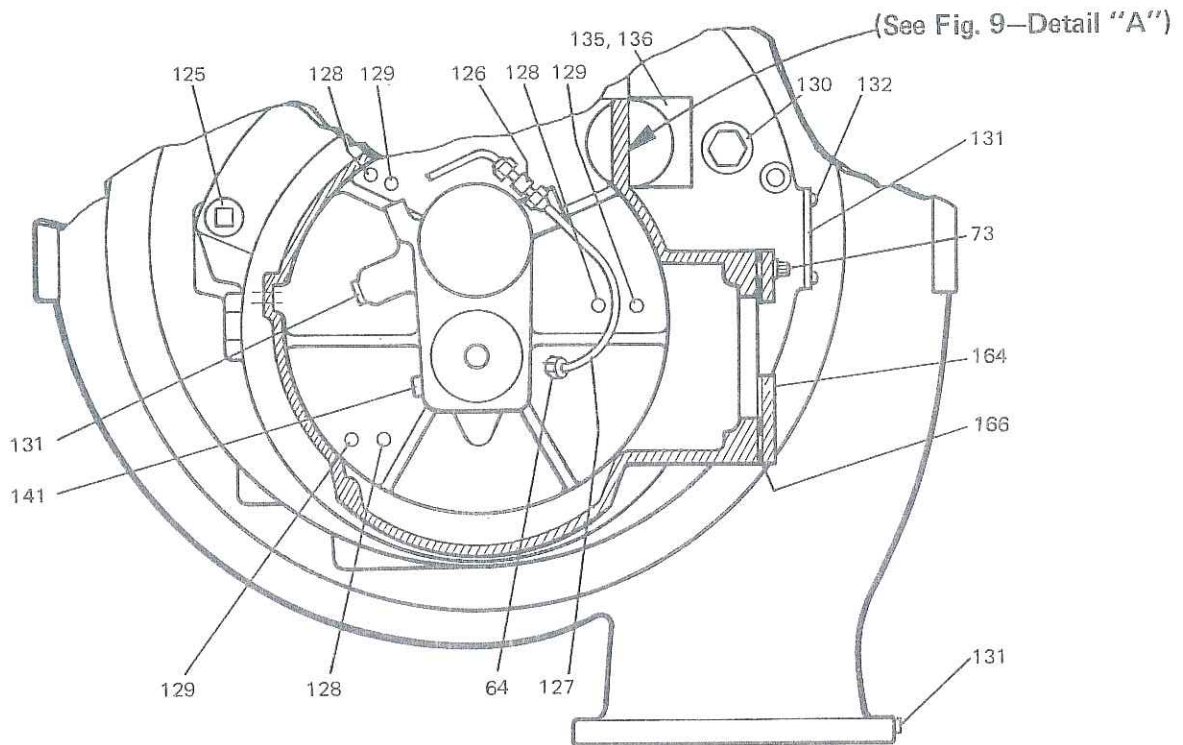


FIG. 7 — SECTION "B-B" MODELS MTG 67 AND 76

COMPRESSOR — MTG 85 AND MTG 95

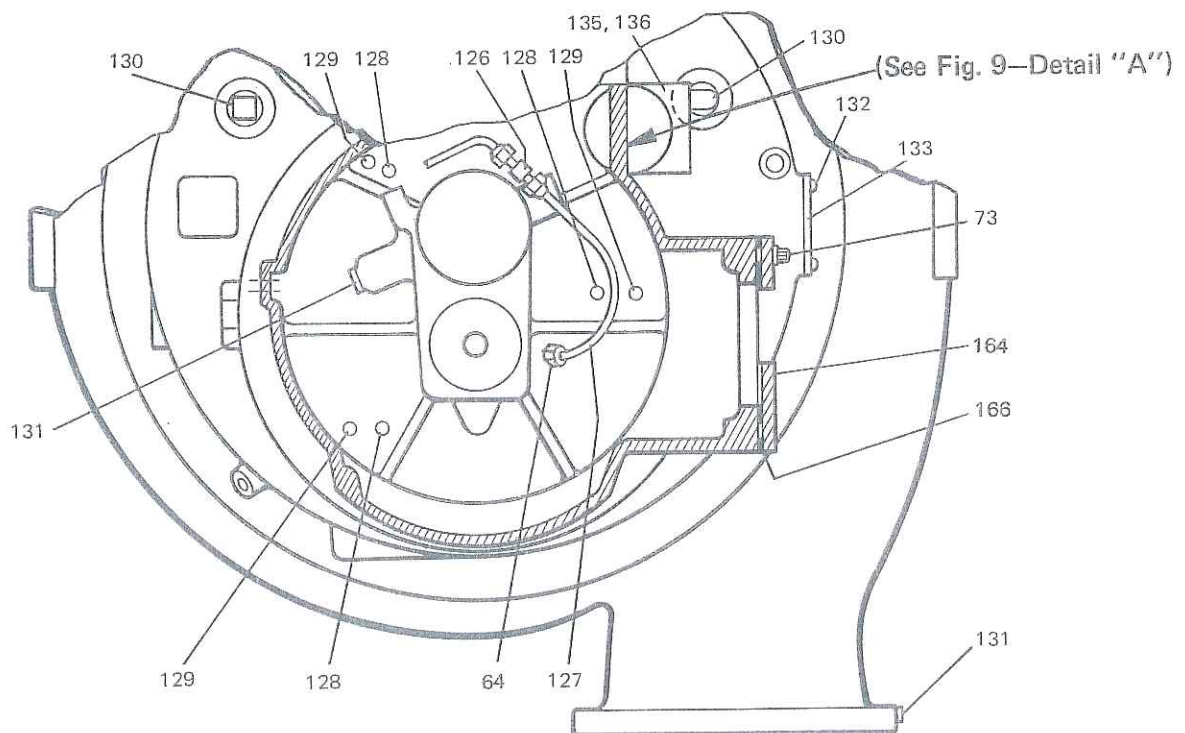


FIG. 8 — SECTION "B-B" MODELS MTG 85 AND 95

HERMETIC MOTOR — MODELS MTG 67/76 AND MTG 85/95

High—Low Voltage and Stator Sensor Wiring

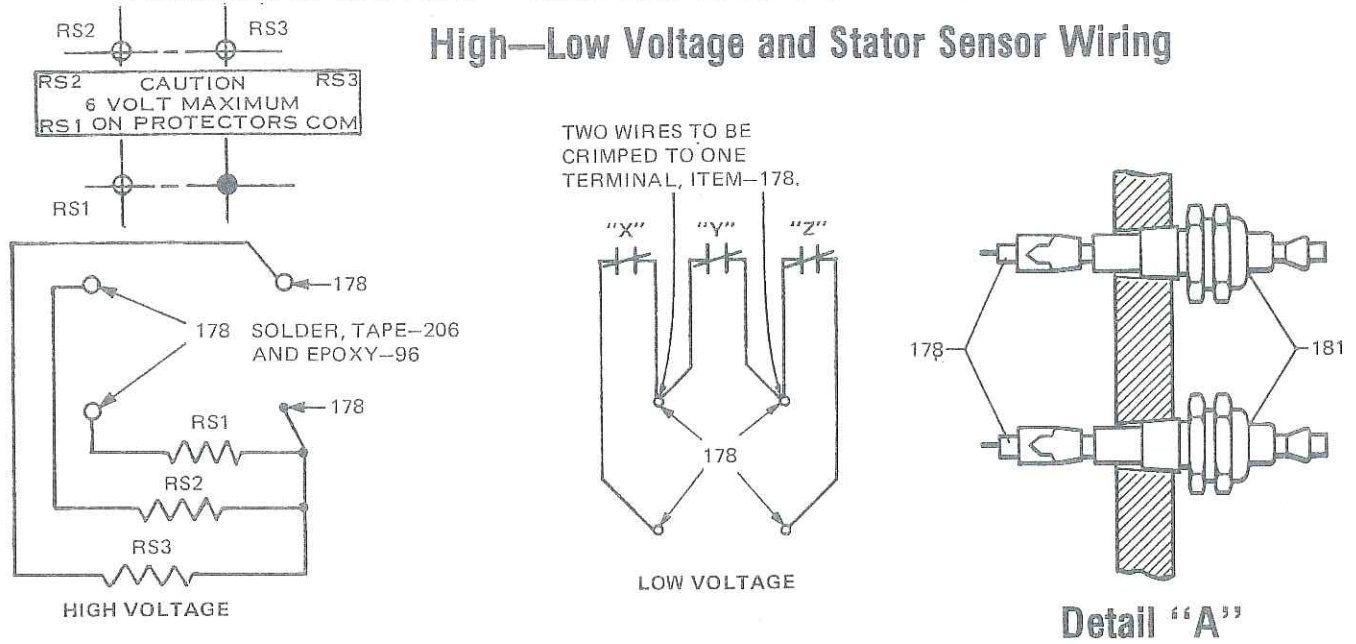


FIG. 9 — HIGH & LOW VOLTAGE & STATOR SENSOR WIRING (See Page 22)

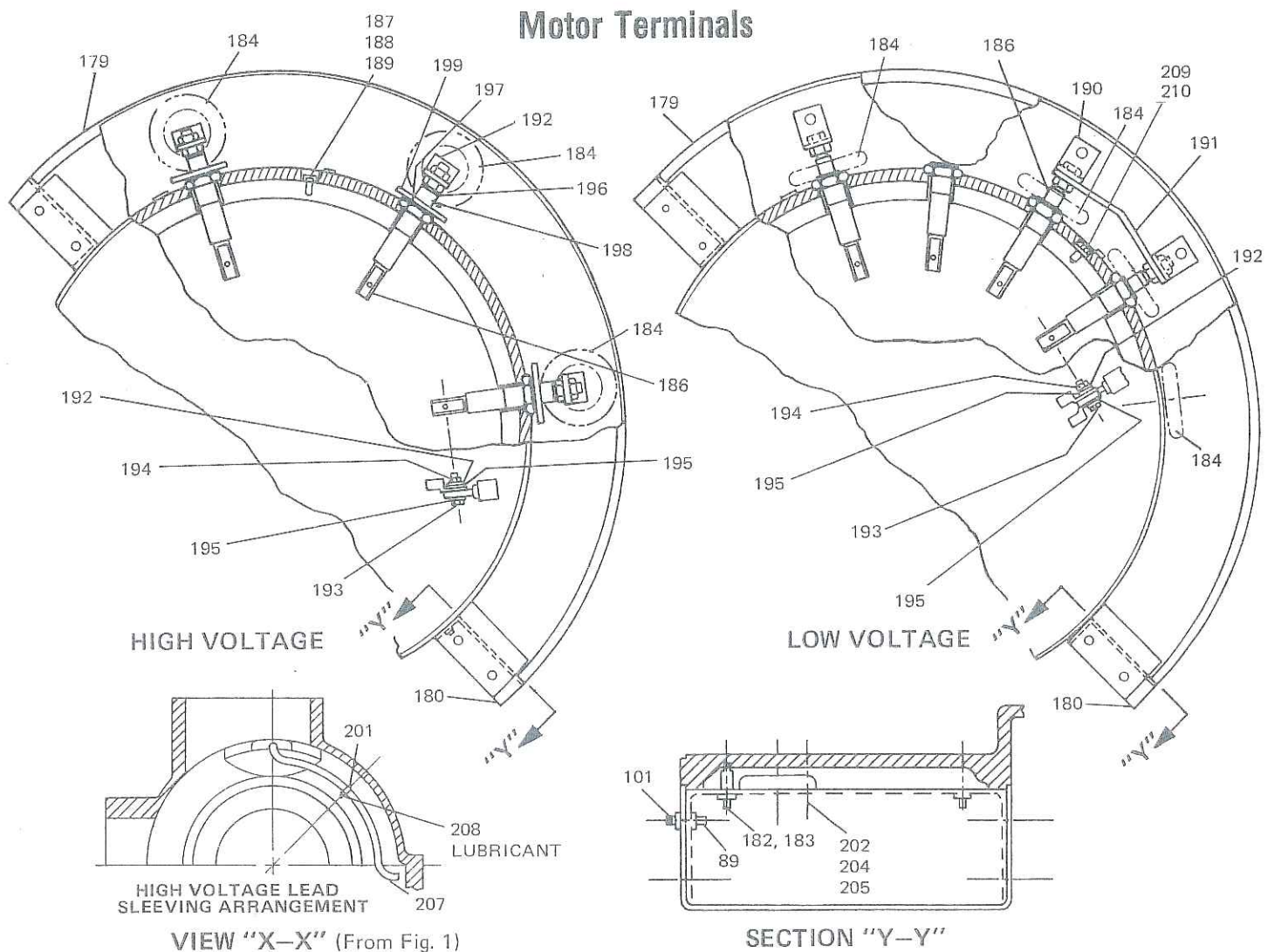


FIG. 10 — MOTOR TERMINALS (HIGH & LOW VOLTAGE)

Shaft End View OPEN COMPRESSOR — MODELS LTG 67 AND LTG 76

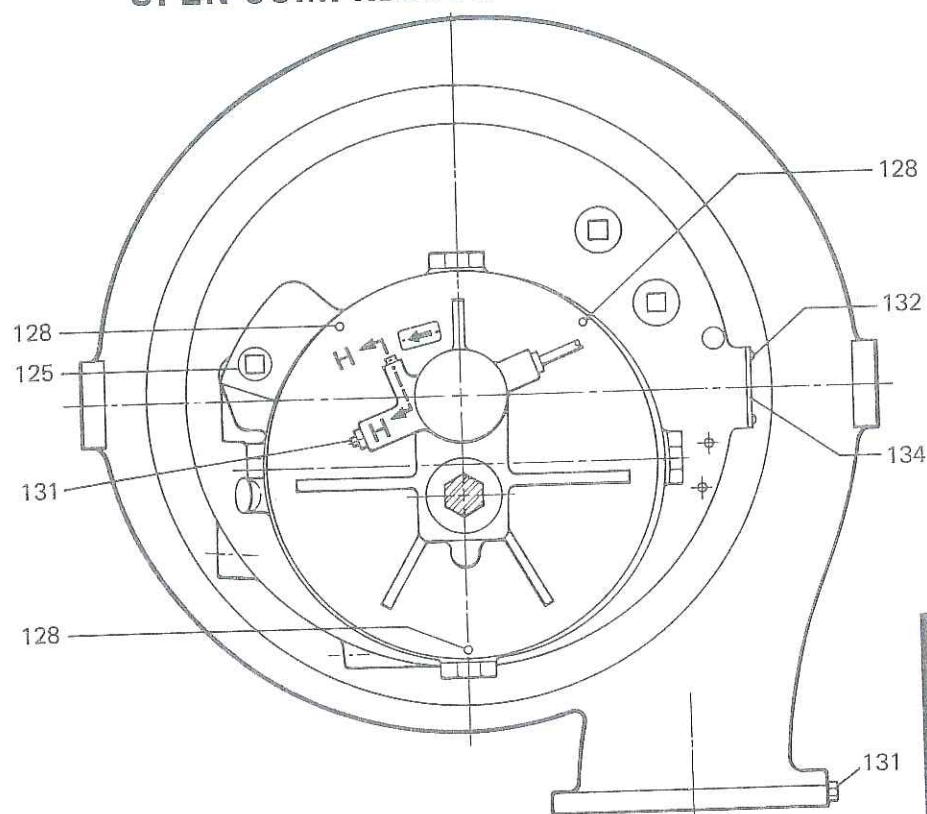
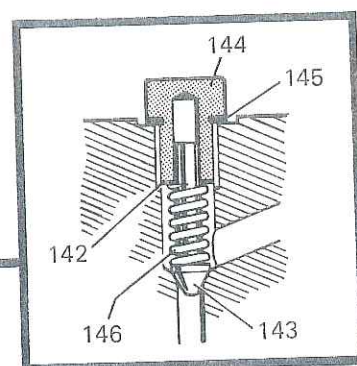
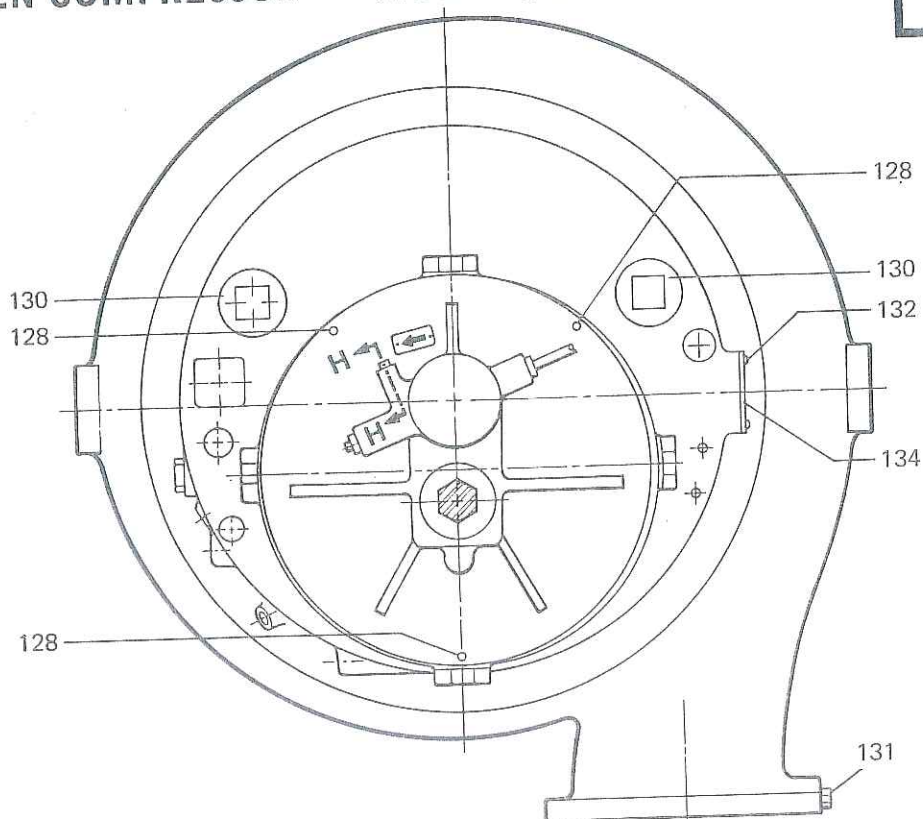


FIG. 11 — SHAFT END VIEW MODELS LTG 67 AND 76

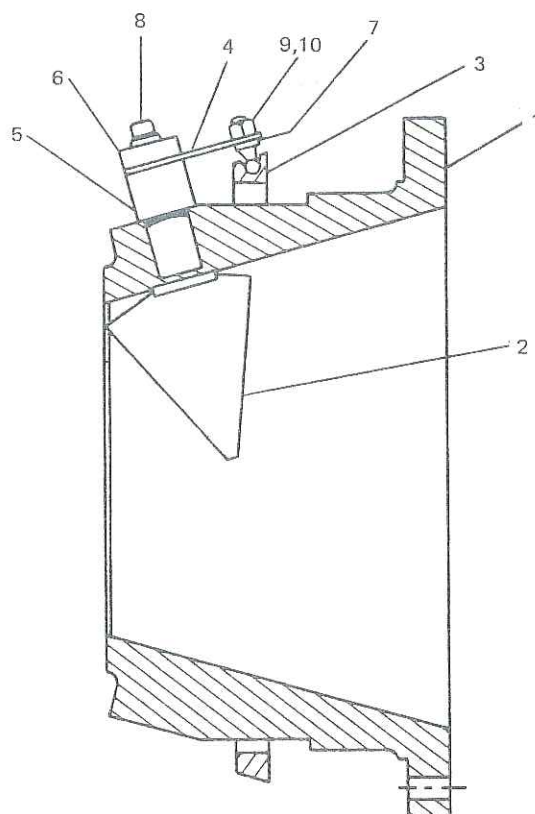
OPEN COMPRESSOR — MODELS LTG 85 AND 95



Section "H-H"
OIL PRESSURE
RELIEF VALVE

FIG. 12 — SHAFT END VIEW MODELS LTG 85 AND 95

COMPRESSOR — MODELS MTG/LTG 67, 76, 85 AND 95 **Prerotation Vane Housing Parts**



Item	Part Description	Models			
		MTG & LTG 67		MTG & LTG 76	
		Part No.	Quan.	Part No.	Quan.
1	Housing, Pre-Rotation	064-13486	1	064-13485	1
2	Vane, Pre-Rotation	064-10618	9	064-10618	9
3	Ring, Vane Driving	064-10815	1	064-10815	1
4	Arm, Vane	064-10818	9	064-10818	9
5	Washer	064-10819	9	064-10819	9
6	Washer—Special	064-09289	9	064-09289	9
7	Washer	021-11973	10	021-11973	10
8	Screw, Cap 12 Pt. Hd. 3/8-24 UNF X 2 Lg.	021-11956	9	021-11956	9
9	Screw, Ball	029-07017	9	029-07017	9
10	Nut, Hex, 1/4-28 UNF 33	021-12943	9	021-12943	9

Item	Part Description	Models			
		MTG & LTG 85		MTG & LTG 95	
		Part No.	Quan.	Part No.	Quan.
1	Housing, Pre-Rotation	064-13481	1	064-13482	1
2	Vane, Pre-Rotation	064-08822	8	064-08822	8
3	Ring, Vane Driving	064-08813	1	064-08813	1
4	Arm, Vane	064-08814	8	064-08814	8
5	Washer	064-09061	8	064-09061	8
6	Washer—Special	064-08815	8	064-08815	8
7	Washer	021-11973	10	021-11973	10
8	Screw, Cap 12 Pt. Hd. 3/8-24 UNF X 2 Lg.	021-11743	8	021-11743	8
9	Screw, Ball	029-07017	8	029-07017	8
10	Nut, Hex, 1/4-28 UNF 33	021-12943	8	021-12943	8

FIG. 13 — PREROTATION VANE ASSEMBLY MODELS MTG/LTG 67, 76, 85 AND 95

HERMETIC COMPRESSOR

External Piping and Plugs

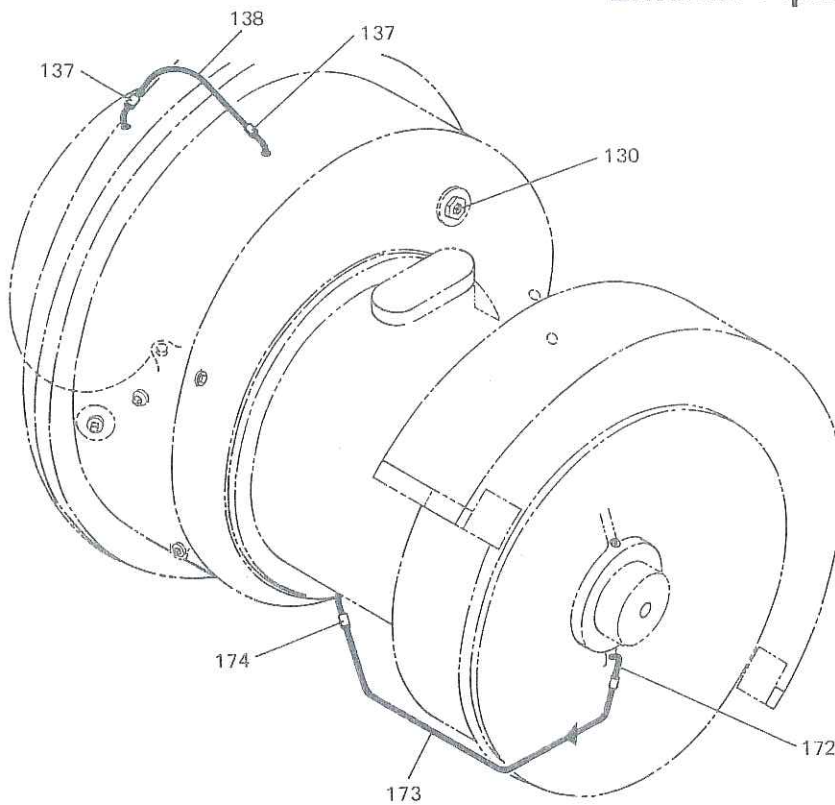


FIG. 14 — HERMETIC COMPRESSOR MODELS MTG 67 AND 76

OPEN COMPRESSOR

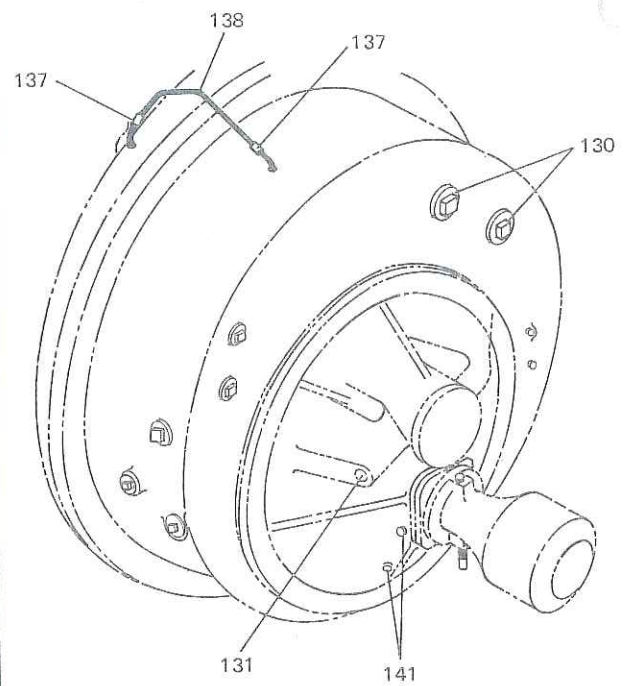


FIG. 16 — OPEN COMPRESSOR MODELS LTG 67 AND 76

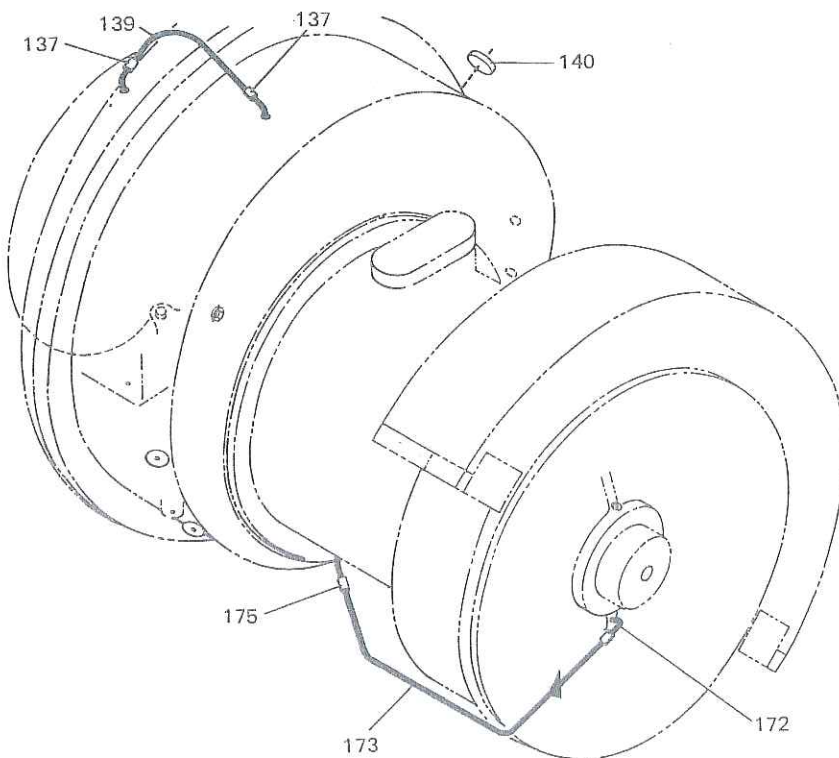


FIG. 15 — HERMETIC COMPRESSOR MODELS MTG 85 AND 95

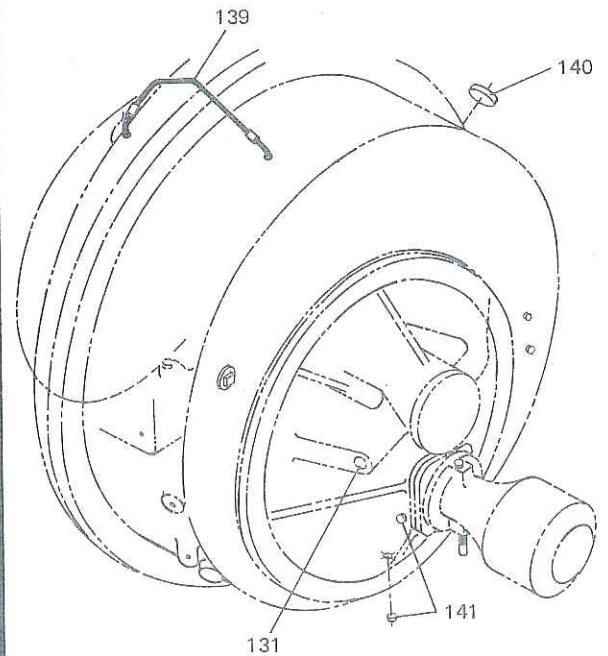


FIG. 17 — OPEN COMPRESSOR MODELS LTG 85 AND 95

HERMETIC MOTOR CURRENT TRANSFORMER ASSEMBLY [Electro Mechanical Started Units]

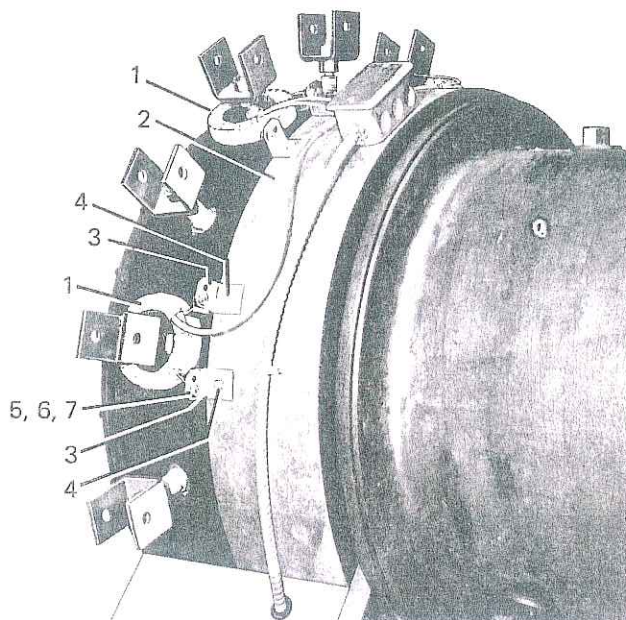


FIG. 18 — CURRENT TRANSFORMER ARRANGEMENT — LOW VOLTAGE

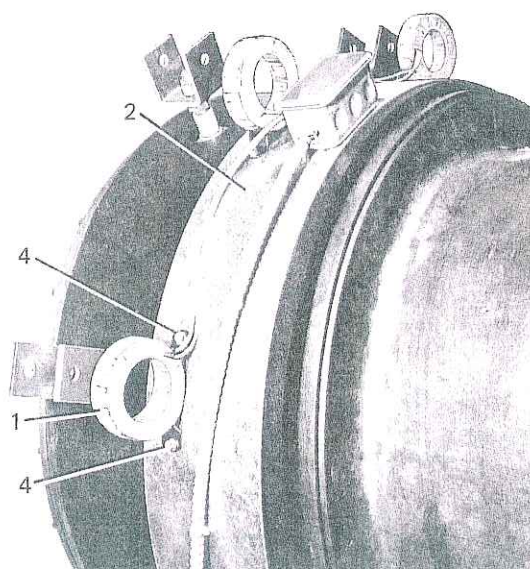


FIG. 19 — CURRENT TRANSFORMER ARRANGEMENT — HIGH VOLTAGE

Item	Description	Qty.	364-45881 -001 L.V. 200:1	Qty.	364-45881 -002 L.V. 350:1	Qty.	364-45881 -003 L.V. 700:1	Qty.	364-45881 -004 L.V. 1400:1	Qty.	364-45881 -005 H.V. 200:1	Qty.	364-45881 -006 H.V. 350:1
1	Current Transformer	3	025-21173 -001	3	025-21173 -002	3	025-21173 -003	3	025-21173 -004	3	025-21173 -001	3	025-21173 -002
2	Bracket	1	064-45867	1	064-45867	1	064-45867	1	064-45867	1	064-45868	1	064-45868
3	Bracket, Angle	6	064-45882	6	064-45882	6	064-45882	6	064-45882	—	—	—	—
4	Scr Self Tap 1/4	6	021-13774	6	021-13774	6	021-13774	6	021-13774	6	021-13774	6	021-13774
5	Scr Cap 1/4 x 1/2	6	021-01366	6	021-01366	6	021-01366	6	021-01366	—	—	—	—
6	Nut	6	021-00450	6	021-00450	6	021-00450	6	021-00450	—	—	—	—
7	Lockwasher	6	021-05289	6	021-05289	6	021-05289	6	021-05289	—	—	—	—

OIL SUMP ASSEMBLY

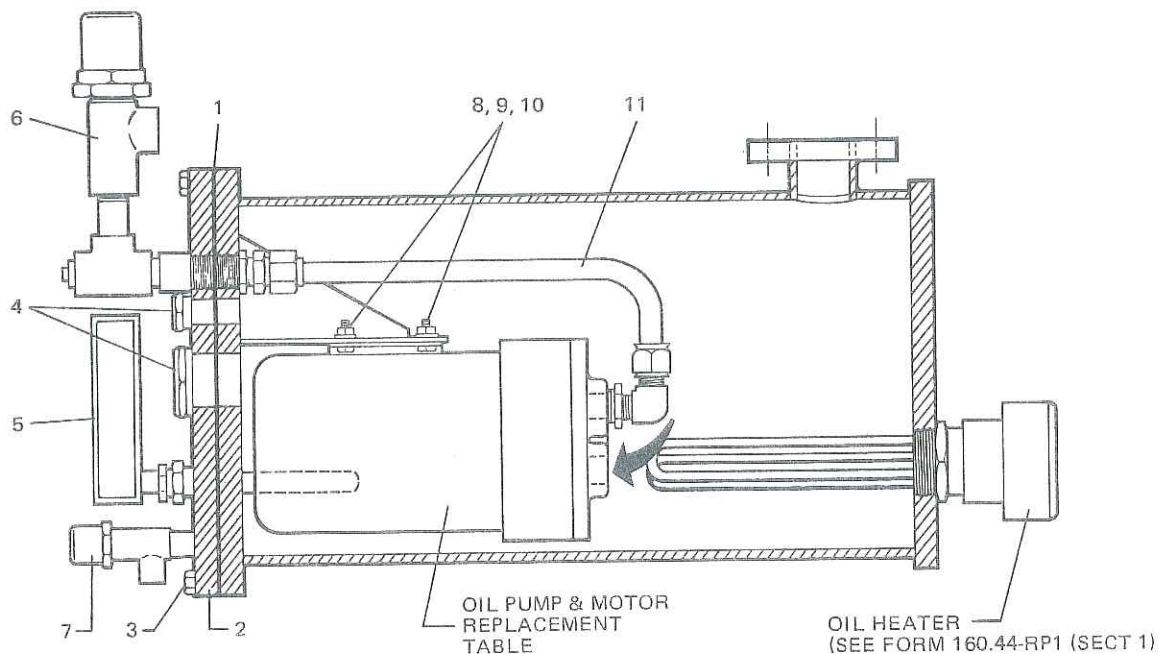


FIG. 20 — OIL SUMP CUTAWAY VIEW

OIL SUMP

Item	Description	Part No.	Quan.
1	Gasket	066-82923	1
2	Cover	—	1
3	Screw, Cap Hex Hd. 3/8-16 X 1-1/2" Lg.	021-01497	12
4	Sight Glass	026-16556	2
5	Thermometer	026-16555	1
6	Valve Relief, 3/4	022-04506	1
7	Valve Stop	022-03835	1
8	Screw, Cap Hex Hd. 5/16-18 X 3/4	021-01418	4
9	Nut, Hex 5/16-18	021-00461	4
10	Washer, Plain, 11/32 I.D. X .065 Thk.	021-05166	4
11	Connection	366-82918	1

OIL PUMP & MOTOR REPLACEMENT

Oil Pumps—With Motor		Motor Only
Voltage	Part No.	
208, 220, 230	026-22378	024-21074
240, 416, 440		
460, 480-3-60		
550, 575, 600-3-60	026-22380	024-21075
380, 416-3-60	026-22386	024-21077
220, 440-3-50	026-22385	024-21079
380, 400, 415-3-50	026-22379	024-21078
346-3-50	026-22381	024-21076

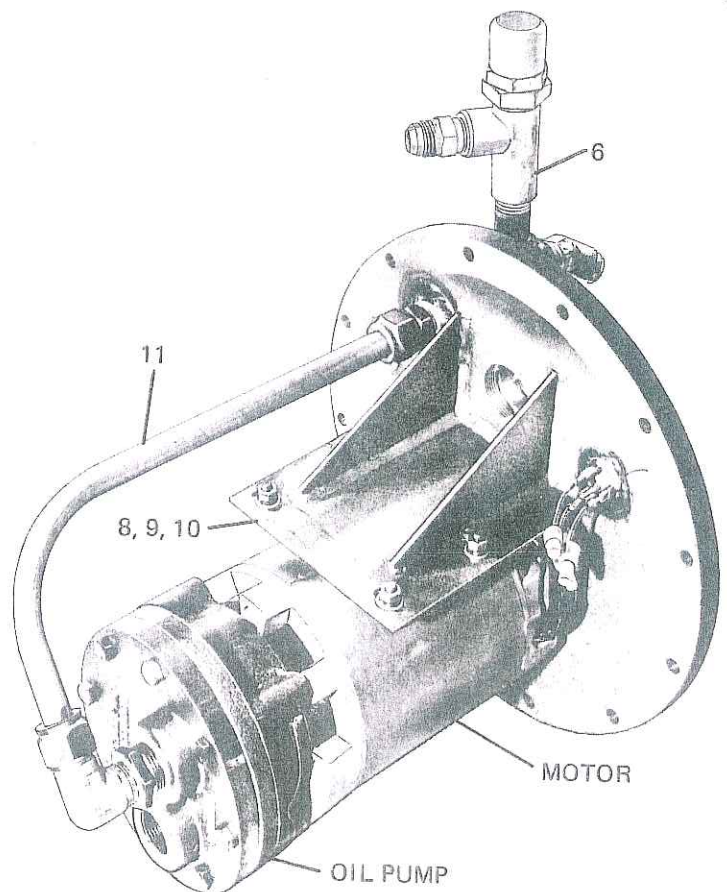
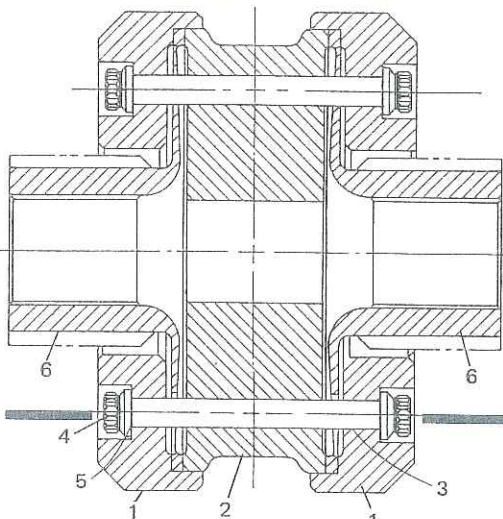


FIG. 21 — OIL PUMP MOUNTED ON COVER

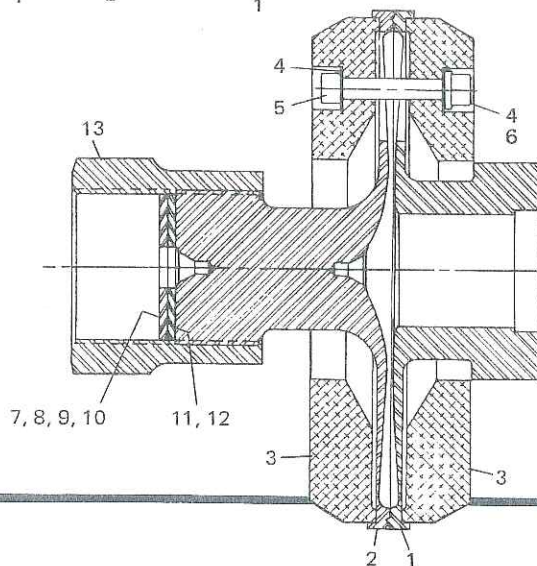
COUPLING OPEN TYPE — LTG 67, 76, 85 AND 95 [Item 242]



Item	Description	Quan.	Coupling 364-06503 Part No.	Coupling 364-16913 Part No.
1	Ring Clamp	2	064-06500	064-12419-005
2	Disk Coupling Center	1	064-06502	064-12420-005
3	Bolt	8	064-13649-004	064-13649-004
4	Nut	16	021-10260	021-10635
5	Washer	16	064-13650-001	064-13650-002
6	Disk	2	064-06501	064-16914
7	Shim	5	064-06777	(3) 064-06777*
8	Shim	5	064-06776	(3) 064-06776*

* Also shims (3) 064-08115 and (3) 064-08116

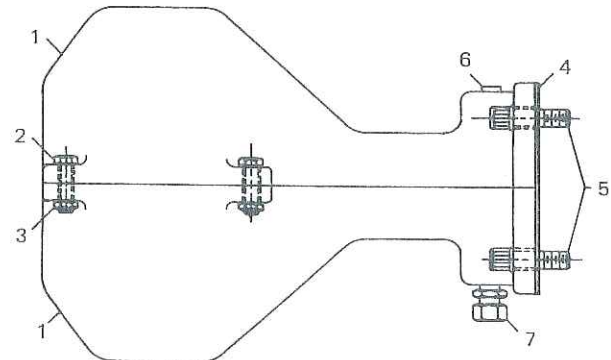
FIG. 22 — YORK FLEX COUPLING



Item	Description	LTG 85 & 95—50/60 Hz	
		1-1/2 X 1-1/4 364-24518	
		Part No.	Quan.
1	Disk, CPLG (Drive)	064-18134	1
2	Disk, CPLG (Driven)	064-24519	1
3	Ring Clamp	064-22204	2
4	Washer, CPLG	064-13865	6
5	Screw	021-12880	3
6	Nut, 1/4-28 UNF-3B	021-11675	3
7	Spacer .083 Thk.	064-16817-001	1
8	Spacer .086 Thk.	064-16817-002	1
9	Spacer .089 Thk.	064-16817-003	1
10	Spacer .092 Thk.	064-16817-004	1
11	Spacer .098 Thk.	064-16817-005	1
12	Spacer .110 Thk.	064-16817-006	1
13	Nut, 12 pt.	064-18164	1

FIG. 23 — FLEXIBLE DISC COUPLING

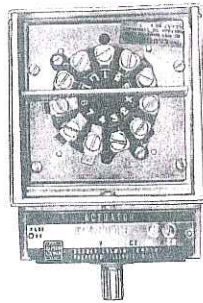
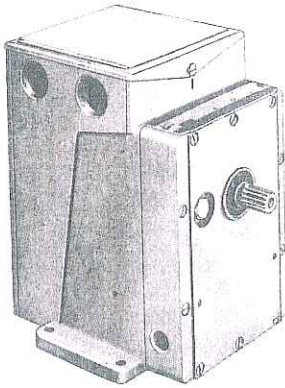
COUPLING GUARD [Item 241]



Item	Description		Part Numbers			Quan.
		Size	1-1/4"	1-1/2x1-1/4	1-1/2x1-1/4	
		Compr.	LTG 67-76	LTG 67-76	LTG 85-95	
		Model	LTG 85-95			
		Part No.	364-33572	364-33577	364-33573	
		Hz	50/60	50	50/60	
1	Guard		064-22703	064-22739	064-74522	2
2	Scr. Cap 12 pt. Hd. 1/4-20 X 1" Lg.		021-11737	021-11737	021-11737	4
3	Nut, Hex 1/4-20 UNC		021-00450	021-00450	021-00450	4
4	Gasket		064-22705	064-22705	064-22705	1
5	Scr. Cap 12 pt. Hd 3/8-16 X 3/4 Lg.		021-12120	021-12120	021-12120	4
6	Plug Pipe 1/8 M.P.T. Ctsk.		021-01970	021-01970	021-01970	1
7	Connector, 1/4 Tube x 1/8 M.P.T.		023-07151	023-07151	023-07151	1

FIG. 24 — COUPLING GUARD

PRV — ACTUATORS



VIEW FROM TOP

PRV—ELECTRIC—MOTOR ACTUATORS PRV ACTUATORS—ELECTRIC

Model	Quan.	Part No.
MTG 67 & LTG 67	1	025-17174
MTG 76 & LTG 76	1	—
MTG 85 & LTG 85	1	025-17605
MTG 95 & LTG 95	1	—

SPECIAL TOOLS AND SUPPLIES

Item	Part Description	Hermetic Compressor				Open Compressor					
		MTG67 & 76		MTG85 & 95		LTG67 & 76		LTG85 & 95		LTG85 & 95 Over Speed	
		464-45894		464-45895		464-45935		464-45936		464-45937	
		Quan.	Part No.	Quan.	Part No.	Quan.	Part No.	Quan.	Part No.	Quan.	Part No.
1	Tool, Wrench	1	064-45872	1	064-45872	1	064-45872	1	064-45872	1	064-45872
2	Tool, Wrench	1	364-06619	1	364-06619	2	364-06619	2	364-06619	1	364-06619
3	Guide Pin 5/8 Dia. X 7-1/2" Lg.	3	064-06798	3	064-06798	3	064-06798	3	064-06798	3	064-06798
4	Eye Bolt 3/4-10	1	021-00307	1	021-00307	1	021-00307	1	021-00307	1	021-00307
5	Eye Bolt 5/8-11 X 1-3/4 Lg.	2	021-12366	2	021-12366	—	—	—	—	—	—
6	Guide Pin 3/4 Dia. X 7-1/2" Lg.	3	064-33523	3	064-33523	—	—	—	—	3	064-33523
7	Bar, Round 7/8" Dia. X 16" Lg.	1	064-21534	1	064-21534	1	064-21534	1	064-21534	1	064-21534
8	Bar, Round 1/2" Dia. X 7" Lg.	1	064-17327	1	064-17327	1	064-17327	1	064-17327	1	064-17327
9	Guide Pin 3/8 Dia. X 6-1/2" Lg.	2	064-18716	2	064-18716	2	064-18716	2	064-18716	2	064-18716
10	Bar, Round 1/4" Dia. X 4-3/8" Lg.	1	064-25580	1	064-25580	—	—	—	—	—	—
11	Stud Special 1/2 X 20 X 9" Lg.	1	064-14500	1	064-14500	1	064-14500	1	064-14500	1	064-14500
12	Nut, Hex 1/2-20 UNF	2	021-00483	2	021-00483	2	021-00483	2	021-00483	2	021-00483
13	Bar, Hex 1-1/8 Hex X 3" Lg.	—	—	1	064-28204	—	—	1	064-28204	1	064-28204
14	Thread Compound	—	—	—	—	1	464-14934	1	464-14934	1	464-14934
15	Tool, Wrench	—	—	—	—	—	—	—	—	1	364-16731
16	Tool, Wrench	—	—	—	—	—	—	—	—	1	364-16816

TOOLS

Description	Part No.
Pliers, Waldles Truarc. No. 5	029-08590
Pliers, Waldles Truarc. No. 7	029-07934
Hand Oil Pump	070-10654
Hand Oil Pump Seal	028-03292

BAR JUMPER (LOW VOLTAGE ONLY)

Compr. Code	Volts	Part No.
B1, B2, C1, C2	208 Thru 600	064-42280

SEALERS, ADHESIVES AND INSULATION TAPE

Item	Description	Part No.
1	Varnish, Scotch Cast Resin No. 2	013-01016
2	Sealant	044-00892
3	Sealer CR CV	013-01678
4	Adhesive	013-00852
5	Adhesive Sealing	013-02065
6	Tape Motor Terminal Insul.	010-04101

LUBRICANTS, OILS AND COMPOUNDS

Description	Part No.
Thread Compound, ARI High Pressure—1/4 Pt. Can	464-14934
Coating Lubricant—Molykote, Type Z—2 Oz. Can	364-21508
Oil, York Refrigeration—Type C—5 Gal. Can	011-00312

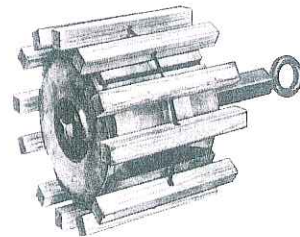


FIG. 25 — HERMETIC MOTOR EXPANDING MANDREL
MANDREL PART NUMBERS

Compressor Model No.	Min. Dia.	Max. Dia.	Part No.
MTD 67-95	8-3/8	11-1/8	029-13597

