

# CURTIS

## MASTERLINE CR-25 SERIES AIR COMPRESSORS

MODEL  
**C98A**  
TWO STAGE

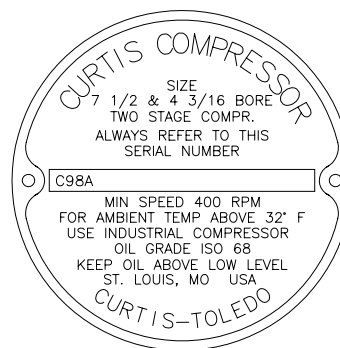
SIZE: 7-1/2" & 4-3/16" X 5"  
LOT NO. C98A01 & LATER

### HOW TO ORDER PARTS

Give name and part number as shown in parts list and serial number. Serial number is on nameplate attached to crankcase of compressor. Refer to Master Parts Price List for prices.

### IMPORTANT

Make a permanent record of the Model and Serial Numbers of your machine here. You'll save time and expense by including this reference identification on replacement parts orders.



# PARTS LIST

## CURTIS-TOLEDO, INC.

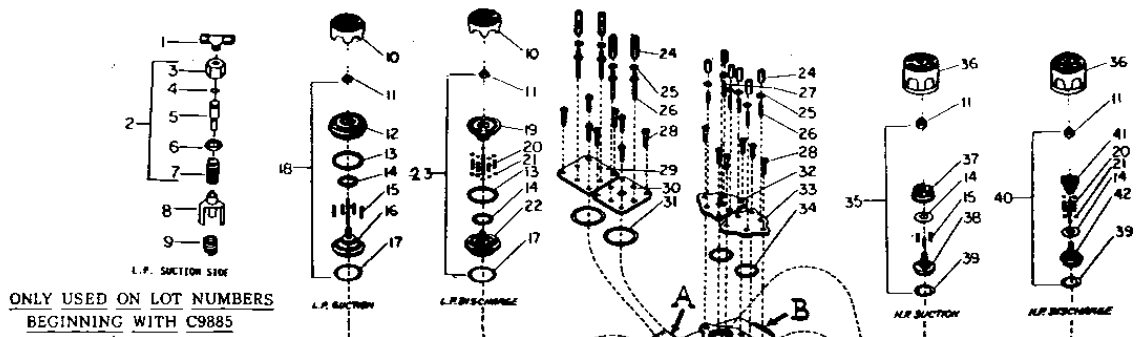
1905 KIENLEN AVENUE, ST. LOUIS, MISSOURI 63133

Tel.(314) 383-1300 Fax (314) 381-1439

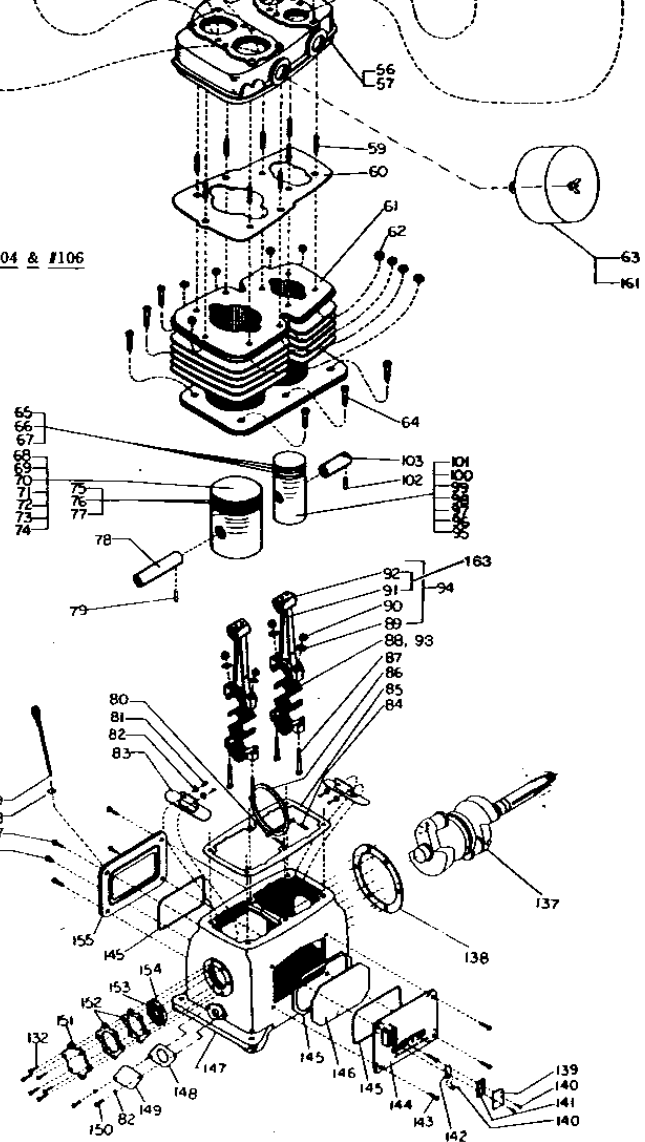
E-MAIL: [info@curtistoledo.com](mailto:info@curtistoledo.com)

*Sales representatives in principle cities.*

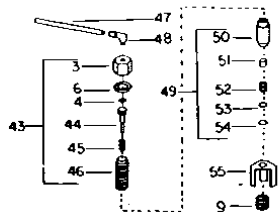
# CURTIS PARTS LIST FOR COMPRESSOR MODEL C98A



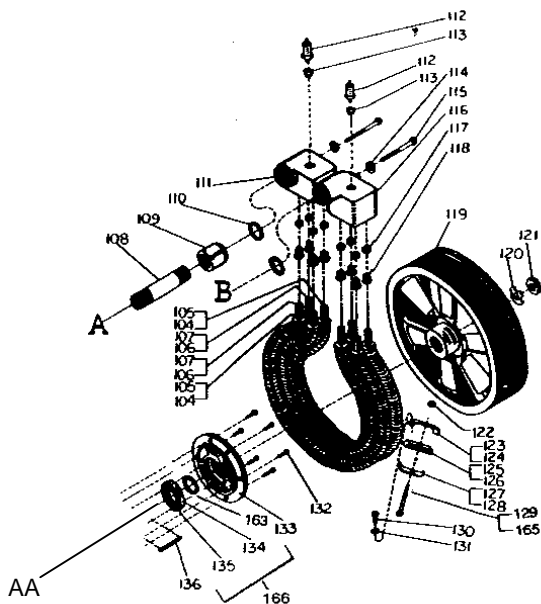
- NOTE:**  
THE FOLLOWING APPLIES TO C98CC COMPRESSORS  
USED ONLY ON CLIMATE CONTROL OUTFITS
- A) ITEMS #105 & #107 (2) REQ'D EACH & DISREGARD ITEMS #104 & #106
  - B) ITEM #123 (1) REQ'D & DISREGARD ITEM #124
  - C) ITEM #125 (1) REQ'D & DISREGARD ITEM #126
  - D) ITEM #127 (1) REQ'D & DISREGARD ITEM #128
  - E) ITEM #165 (1) REQ'D & DISREGARD ITEM #129



# CURTIS PARTS LIST FOR COMPRESSOR MODEL C98A



N.F. SUCTION SIDE  
**ONLY USED ON LOT NUMBERS  
BEGINNING WITH C9885**



COMPRESSOR REPLACEMENT PARTS			
Item	Part No.	Description	Qty
1	VA729	Tee, Compression-1/4 x 1/4 x 1/4 MPT, Branch	1
2	CBA959	Assy. Unloader - LPSV	1
3	CBA924	Cap, Unloader Cylinder	2
4	VB407	"O" Ring 7/16 ID x 5/8OD x 3/32	2
5	CBA960	Piston, Unloader - LPSV	1
6	CB6138	Locknut, Hex 1/8	2
7	CBA961	Cylinder, Unloader-LPSV	1
8	CBB931	Assy, Fork Unloader	1
9	CA299-48	Spring, 1"OD x 1 3/8 Lg.	2
10	CM627	Spacer-LPV	2
11	VH20L	Nut, Flex Loc, 7/16-20 NF	4
12	CM636	Seat, Valve, LPSV	1
13	CM640	Disc Valve-LPSV & LPDV	2
14	CM641	Disc Valve-LPV & HPV	4
15	CA299-46	Spring, LPSV & HPSV-3/8	10
16	CM699	Backstop with Stud, LPSV	1
17	CDB1304	Gasket, LPV	2

COMPRESSOR REPLACEMENT PARTS			
Item	Part No.	Description	Qty
18	CDB1317	Assy, LPSV	1
19	CMA642	Backstop-LPDV	1
20	CMA647	Spring-LPDV & HPDV	10
21	CMA646	Button, Spring-LPDV & HPDV	20
22	CM697	Seat, Valve with Stud - LPDV	1
23	CDB1318	Assy - LPDV	1
24	RK206-3	Nut, Stud - HPV & LPV	14
25	VH1232	Washer, Aluminum	14
26	VH09KP	Screw, Hex Soc. Hd. Fl. Pt. 3/8 x 2" Lg	11
27	VH09KN	Screw, Hex Hollow. Hd. Fl. Pt. 3/8 x 1 3/4" Lg	3
28	VH12PL	Screw, Cap Hex Hd. 1/2 x 1 3/8, Lg. Grade 5	14
29	CM625	Plate, Valve Cover - LPDV	1
30	CM623	Plate, Valve Cover - LPSV	1
31	CM657	Gasket, Valve Cover Plate LP	2
32	CM624	Plate, Valve Cover-HPSV	1
33	CM626	Plate, Valve Cover-HPDV	1
34	CM656	Gasket, Valve Cover Plates HP	2
35	CDB1319	Assy., HPSV	1
36	CMA730	Spacer-HPSV & HPDV	2
37	CM638	Seat, Valve-HPSV	1
38	CMA600	Backstop, Valve with Stud-HPSV	1
39	CDB1305	Gasket, Aluminum, HPV	2
40	CDB1320	Assy., HPDV	1
41	CMA644	Backstop-HPDV	1
42	CM698	Seat, Valve with Stud-HPDV	1
43	CBB926	Assy., Unloader Piston HPSV	1
44	CBA972	Piston, Unloader-HPSV	1
45	CBA976	Spring, HPSV 9/16OD x 1 7/16 Lg.	1
46	CBB925	Cylinder, Unloader-HPSV	1
47	CBB996	Tube, Unloader 1/4 OD Copper	1
48	VA15BCE	Elbow, 1/4MPT x 1/4	1
49	CBB921	Assy., Buffer Unloader Overtravel	1
50	CBB922	Housing Buffer	1
51	CBB923	Disc., Buffer 13/16 Lg.	1
52	CBB906	Spring, Buffer 1/16 Thk.	1
53	CBB904A	Disc. Buffer 1/16 Thk.	1
54	VH1809	Ring, Retaining - Buffer	1
55	CBB920	Fork, Unloader	1
56	CMA613	Head, Cylinder	1
57	CDB1369	Assy., Cylinder Head with APU	1
58	CDB1327	Gasket, Replacement Set	1
59	CMA652	Stud-5/8 NC x 2 1/4 Lg.	9
60	CM660	Gasket, Cylinder Head	1
61	CMA612	Cylinder	1
62	VH15R	Nut, Hex 5/8 NC	9
63	VA1128	Strainer-2"	1
64	VH11TN	Screw, Hex Head Cap-3/4 NC x 1 3/4	6
65	CMA631	Set, Piston Rings (Std) HP	1
66	CMA631-010	Set, Piston Rings (.010 oversize) HP	1
67	CMA631-030	Set, Piston Rings (.030 oversize) HP	1
68	CDB1313	Piston (Std) LP	1
69	CDB1313-010	Piston (.010 oversize) LP	1
70	CDB1313-030	Piston (.030 oversize) LP	1
71	CDB1322	LP Piston w/Rings and Pin (Std)	1
72	CCC1353-010	LP Piston w/Rings and Pin (.010 oversize)	1
73	CCC1353-030	LP Piston w/Rings and Pin (.030 oversize)	1
74	CDB1324	LP Piston w/Rings, Pin & Con, Rod (std piston & bearing set)	1
75	CMA630	Set, Piston Rings (Std) LP	1
76	CMA630-010	Set, Piston Rings (.010 oversize) LP	1
77	CMA630-030	Set, Piston Rings (.030 oversize) LP	1
78	CDB1315	Pin, Piston LP	1
79	VH25MF	Pin, Roll 3/8 x 3/4 Lg	1
80	CX2123	Pin, Oil Ring Guide	1
81	VH01FC	Screw, Machine Round Head 1/4 x 3/8	4
82	VH35F	Lockwasher, 1/4 Regular	6
83	CW236-5	Assembly, Baffle	2
84	VH23DH	Pin, Cotter 1/8 x 1	2
85	CX2162	Gasket, Crankcase	1
86	CM679	Ring, Oiling	1
87	VH12NU	Screw, Cap Hex Hd.-1/2 x 3 1/4 Lg., Grade 5	4
88	CM606	Bearing Set, Connecting Rod (Std)	2

# CURTIS PARTS LIST FOR COMPRESSOR MODEL C98A

COMPRESSOR REPLACEMENT PARTS			
Item	Part No.	Description	Qty
89	VH35P	Lockwasher, Split ½	4
90	VH15N	Nut, Hex ½-20 UNF	4
91	CDB1300	Connecting Rod, Machining	2
92	VD840	Bearing, Needle Roller, Full Complement "Torrington" B-2416	4
93	CMA609	Bearing Set, Connecting Rod (.001 Undersize Shaft)	2
94	CDB1302	Assembly-Connecting Rod Complete (with standard bearing halves)	2
95	CDB1325	HP Piston w/Rings, Pin & Con. Rod (Std. Piston & Bearing Set)	1
96	CDB1323	High Pressure Piston w/Rings & Pin (standard)	1
97	CDB1323-010	High Pressure Piston w/Rings & Pin (.010 Oversize)	1
98	CDB1323-030	High Pressure Piston w/Rings & Pin (.030 Oversize)	1
99	CDB1312	Piston, HP (Std)	1
100	CDB1312-010	Piston, HP (.010 Oversize)	1
101	CDB1312-030	Piston, HP (.030 Oversize)	1
102	VH1312	Pin, roll ¼ x 1 1/16 Lg.	1
103	CDB1314	Pin, Piston HP	1
104	CMA633-B	Intercooler, Inner (Finned Tube)	2
105	CMA858-B	Intercooler, Inner(Non-Finned Tube) Used on Climate Control	2
106	CMA633-A	Intercooler, Outer (Finned Tube)	2
107	CMA858-A	Intercooler, Outer (Non-Finned Tube) Used on Climate Control	2
108	CM614	Nipple, Pipe 2 x 8-7/8 Lg.	1
109	CM651	Manifold Connection	1
110	CM659	Gasket, Intercooler Manifold	2
111	CM603	Manifold, Intercooler	1
112	VV405	Valve, Safety 1/4MPT 70 PSI	2
113	VA12DBP	Bushing, ½ x ¼	2
114	VH1231	Washer, Aluminum .962 x .660 x .051 Thk.	2
115	VH1658	Screw, Cap Hex Hd. 5/8 x 6 ½ Lg, Grade 2	2
116	CM602	Manifold, Intercooler	1
117	CR226-5	Sleeve, Compression-1"	8
118	CR226-6	Nut, Compression-1"	8
119	CMA632	Flywheel	1
120	CW222-1	Lockwasher	1
121	CX225-2	Nut, Crankshaft	1
122	VH20H	Nut, Hex 5/16-18	1
123	CMA859	Clamp, Top-Intercooler (For Non-Finned Intercooler-Climate Control)	1
124	CMA634	Clamp, Top-Intercooler-Climate Control)	1
125	CMA861	Spacer, Intercooler (For Non-Finned Intercooler-Climate Control)	1
126	CMA635	Spacer, Intercooler (For Finned Intercooler)	1
127	CMA860	Clamp, Bottom-Intercooler (For Finned Intercooler-Climate Control)	1
128	CMA636	Clamp, Bottom-Intercooler (For Finned Intercooler)	1
129	VH11HZ	Screw, Cap-Hex Hd. 5/16 x 5 Lg, Grade 2	1
130	VH11KF	Screw, Cap-Hex Hd 3/8 x ¼ Lg., Grade 2	1
131	VH35K	Lockwasher, Split Medium-3/8	1
132	VH12PM	Screw, Cap-Hex Hd. ½-13 x 1 ½ Lg., Grade 5	12
133	CDB1437	Large End Plate, Machining	1
134	VD824	Cup, Roller Bearing	1
135	VD825	Cone, Roller Bearing	1
136	CMA665	Key, Flywheel	1
137	CMA657	Crankshaft	1
138	CX216-3	Gasket, Large End Plate	1
139	CM663	Cover, Breather	1
140	VH01CC	Screw, Machine-10-32 x 3/8 Lg.	4
141	CM665	Gasket-Breather Cover	1
142	CM664	Valve, Breather- Side Door	1
143	VH11KM	Screw, Cap Hex Hd. -3/8 x 1 ½ Lg., Grade 2	4
144	CMA618	Door with Breather Port	1
145	CMA620	Gasket, Side Door	3
146	CMA619	Baffle	1
147	CDB1306	Crankcase Machined & Assembled w/Plugs	1
148	CA2312	Gasket, Flange Cover Plate	1
149	CA2323	Plate, Flange Cover	1
150	VH12FD	Screw, Cap Hex Hd. - ¼-20 x ½ Lg., Grade 5	2
151	CM604	Plate, Small End	1
152	CMA602	Set, Shim (Small End Plate)	1
153	VD823	Cone, Roller Bearing	1
154	VD822	Cup, Roller Bearing	1

COMPRESSOR REPLACEMENT PARTS			
Item	Part No.	Description	Qty
155	CDB1308	Door, side, with Oil Filler & Dipstick Opening, Machining	1
156	VA01ER	Plug, Square Head Solid-3/4"	1
157	VBH11KK	Screw, Cap Hex Hd. 3/8 x 1 ¼ Lg., Grade 2	4
158	VB416	"O" Ring, 1-1/4 x 1 x 1/8 CS, Viton	1
159	CDB1309	Oil Fill Cap and Dipstick	1
160	CDB1301	Connecting Rod w/Needle Bearings Assy.	2
161	VA1129	Element, Strainer	1
162	CDB1329	Oil Cap/Dipstick w/"O" Ring Assembly	1
163	VB312	Oil Seal, CR-26177 "CR Industries", (Viton Lip)	1
164	CMA663	Kit Intercooler Replacement for C98A Climate Control	1
165	VH11HV	Screw, Cap-Hex Hd. 5/16 x 3-1/2 Lg., Grade 2	1
166	CDB1326	Large End Plate, Assy.	1

ASSEMBLIES – KITS - SETS			
Item	Part No.	Description	Qty
2	CBA959	Assy. Unloader – LPSV	1
18	CDB1317	Assy, LPSV	1
23	CDB1318	Assy – LPDV	1
35	CDB1319	Assy., HPSV	1
40	CDB1320	Assy., HPDV	1
43	CBB926	Assy., Unloader Piston HPSV	1
49	CBB921	Assy., Buffer Unloader Overtravel	1
57	CDB1369	Assy., Cylinder Head with APU	1
58	CDB1327	Assy., Cylinder Head without APU	1
65	CMA631	Set, Piston Rings (Std) HP	1
66	CMA631-010	Set, Piston Rings (.010 oversize) HP	1
67	CMA631-030	Set, Piston Rings (.030 oversize) HP	1
71	CDB1322	Assy., -LP Piston w/Rings and Pin (Std)	1
72	CDB1322-010	Assy., -LP Piston w/Rings and Pin (.010 oversize)	1
73	CDB1322-030	Assy., -LP Piston w/Rings and Pin (.030 oversize)	1
74	CDB1324	Assy., -LP Piston w/Rings, Pin & Conn. Rod (Std Piston & Bearing Set)	1
75	CMA630	Set, Piston Rings (Std) LP	1
76	CMA630-010	Set, Piston Rings (.010 oversize) LP	1
77	CMA630-030	Set, Piston Rings (.030 oversize) LP	1
83	CW2365	Assembly, Baffle	2
88	CM606	Bearing Set, Connecting Rod (Std)	2
93	CMA609	Bearing Set, Connecting Rod (.001 Undersize Shaft)	2
94	CDB1302	Assembly-Connecting Rod	2
95	CDB1325	Assy., -HP Piston w/Rings, Pin & Conn, Rod (Std Piston & Bearing Set)	1
96	CDB1323	Assy., -HP Piston w/Rings & Pin (std)	1
97	CDB1323-010	Assy., -HP Piston w/Rings & Pin (.010 oversize)	1
98	CDB1323-030	Assy., -HP Piston w/Rings & Pin (.030 oversize)	1
152	CMA602	Set, Shim (Small End Plate)	1
160	CDB1301	Connecting Rod w/Needle Bearings, Assy	2
162	CDB1329	Oil Cap/Dipstick w/"O" Ring, Assembly	1
164	CMA683	Kit Intercooler Replacement for C98 Climate Control	1
166	CDB1326	Large End Plate, Ass'y	1

**CURTIS-TOLEDO, INC.**  
 1905 Kienlen Avenue, St. Louis, Missouri  
 (314) 383-1300 FAX: (314) 381-1439  
 Email: [info@curtistoledo.com](mailto:info@curtistoledo.com)  
 Sales representatives in principle cities