

CURTIS

LARGE INDUSTRIAL AIR COMPRESSORS CR-100 SERIES

MODEL C-100S

SINGLE STAGE
THREE CYLINDER

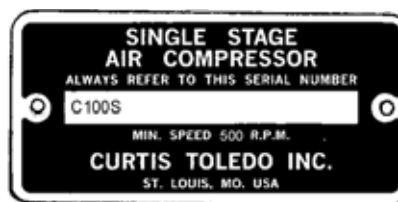
SIZE: (2) 7-1/2" & (1) 6-1/4" X 5"
LOT NO. C100S18

HOW TO ORDER PARTS

Give name and part number as shown in parts list and serial number. Serial number is on nameplate attached to control panel of unit.

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.

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E-MAIL: info@curtistoledo.com

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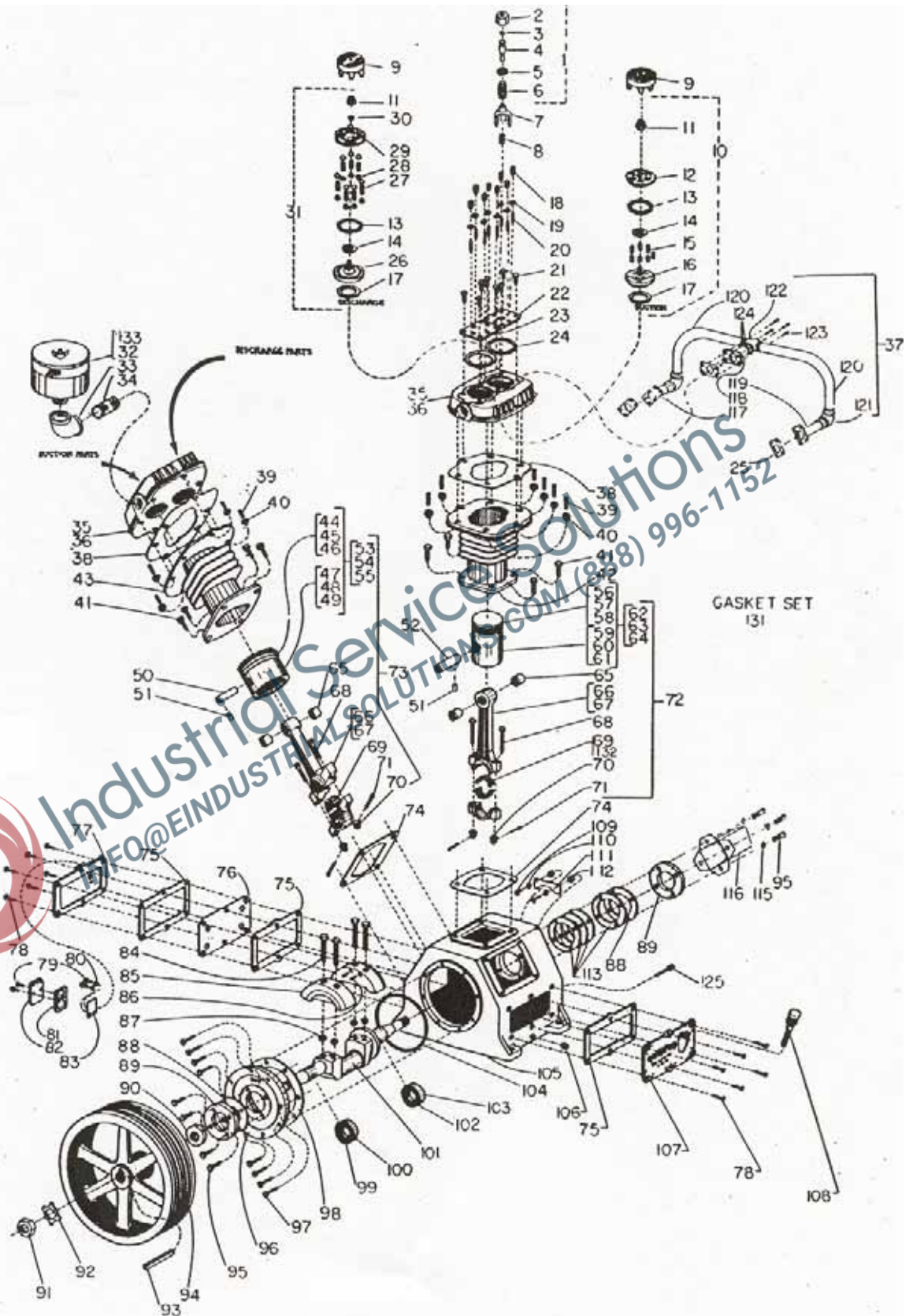
C-100S COMPRESSOR REPLACEMENT PARTS			
ITEM	PART NO.	DESCRIPTION	QTY REQ.
1	CBA959	Assy. Unloader Suction	3
2	CBA924	Cap, Unloader, Cylinder	3
3	VB407	O Ring, 7/16" ID x 5/8" OD x 3/32"	3
4	CBA960	Piston, Unloader, S.V.	3
5	CB6138	Locknut, Hex, 1/8"	3
6	CBA961	Cylinder, Unloader, S.V.	3
7	CBB931	Assy., Fork, Unloader	3
8	CA299-48	Spring, 1" OD x 1 3/8" Lg.	3
9	CM627	Spacer	6
10	CM761	Assy., S.V., L.P., and H.P.	3
11	VH20L	Nut, Hex, Slotted, Self Lock, 7/16" N.F.	6
12	CM636	Seat, S.V.	3
13	CM640	Disc, Valve	6
14	CM641	Disc, Valve	6
15	CA299-46	Spring, S.V.	7
16	CM699	Assy., Backstop, S.V.	3
17	CMA669	Gasket, Copper	6
18	RK2063	Nut, Stud	24
19	VH1225	Washer, Copper 9/16" x 25/64" x .051thk	24
20	VH09KP	Screw, Hex, Soc, Flat Point 3/8" x 2"	24
21	VH12PM	Screw, Hex, Cap, 1/2" x 1 1/2"	24
22	CM623	Plate, Cover, S.V., H.P. and L.P.	3
23	CM625	Plate, Cover D.V., H.P. and L.P.	3
24	CM657	Gasket, Plate, Cover, 5 1/8" ID 5 15/32" OD 1/32" thk	6
25	CM733	Gasket, Flange, 1/16" Thick	3
26	CM697	Assy., Seat, D.V.	3
27	CMA647	Spring Valve	21
28	CMA646	Buttons, Spring, Valve	42
29	CMA642	Backstop, D.V.	3
30	VH32K	Washer, Flat, 3/8"	3
31	CM762	Assy., D.V.L.P.	3
32	VA1128	Strainer, 2" Dry	3
33	VA06JP	Elbow, Pipe, Blk, 2" x 90°	2
34	VA13JGA	Nipple, Pipe, Blk, 2" x 4" Lg.	2
35	CMA731	Assy., Head, Cyl. L.P. with APU	3
36	CM704	Head, Cyl.	3
37	CMA725	Assy., Piping Discharge	1
38	CM730	Gasket, Head, Cyl.	3
39	CM718	Stud, Head, Cyl, 3/4" x 3"	18
40	VH15T	Nut, Hex, 3/4"	18
41	VH11TN	Screw, Hex, Cap, 3/4" N.C. x 1 3/4"	12
42	CM703	Cylinder, H.P.	1
43	CM702	Cylinder, L.P.	2
44	CM790	Set, Ring, L.P. (Standard)	2
45	CM790-010	Set, Ring, L.P. (.010 Oversize)	2
46	CM790-030	Set, Ring, L.P. (.030 Oversize)	2
47	CMA645	Piston, L.P. (Standard)	2
48	CM645-010	Piston, L.P. (.010 Oversize)	2
49	CM645-030	Piston, L.P. (.030 Oversize)	2
50	CM644	Pin, Piston, L.P.	2
51	VH25MH	Pin, Roll 3/8" x 1"	3
52	CMA721	Pin, Piston, 11/16" x 5 3/4"	1
53	CM687	Assy., Piston with Rings & Pin (Standard)	2
54	CM687-010	Assy., Piston with Rings & Pin (.010 Oversize)	2
55	CM687-030	Assy., Piston with Rings & Pin (.030 Oversize)	2
56	CM791	Set, Ring (Standard)	1
57	CM791-010	Set, Ring (.010 Oversize)	1
58	CM791-030	Set, Ring (.030 Oversize)	1
59	CMA720	Piston, H.P. (Standard)	1
60	CMA720-010	Piston, H.P. (.010 Oversize)	1
61	CMA720-030	Piston, H.P. (.030 Oversize)	1
62	CM789	Assy., Piston with Rings & Pin (Standard)	1
63	CMA789-010	Assy., Piston with Rings & Pin (.010 Oversize)	1
64	CMA789-030	Assy., Piston with Rings & Pin (.030 Oversize)	1
65	CM742	Kit, Bushing, rod, Connecting (2 Bushings per kit)	3
66	CM708	Assy., Rod Connecting with Bushing & Bolts	3
67	CM760	Assy., Rod Connecting with Bushing, Bolts and Bearing	3
68	CM746	Bolts, Rod 5/8"-18 x 4 3/4"	6
69	CM743	Bearing, Rod (2 Halves)	3
70	VH15Q	Nut Castel 5/8" N.F.	6
71	VH23DM	Pin, Cotter 1/8" x 1 1/2"	6
72	CMA701	Assy., Piston with Rings & Pin, Rod & Bearing H.P.	1
73	CMA702	Assy., Piston with Rings & Pin, Rod & Bearing L.P.	2
74	CM729	Gasket, Crankcase	3
75	CM728	Gasket, Door, Side	3
76	CM796	Baffle, Door, Side	1
77	CM785	Door, Side, with Breather Port	1
78	VH12HK	Screw, Hex, Cap 5/16" x 1 1/4" Grade 5	12
79	VH01CC	Screw, Machine 10/32" x 3/8"	4
80	VH38D	Lockwasher, Internal Tooth #10	2
81	CM665	Gasket, Cover, Breather	1
82	CM663	Cover, Breather	1
83	CM664	Valve, Breather	1
84	CM746	Bolt, Counterweight	4
85	CM710	Counterweight	2
86	VH08FF	Screw, Set, Hex Hollow Head, 1/4" N.C. x 3/4" Lg.	4
87	CX9K	Spacer	4

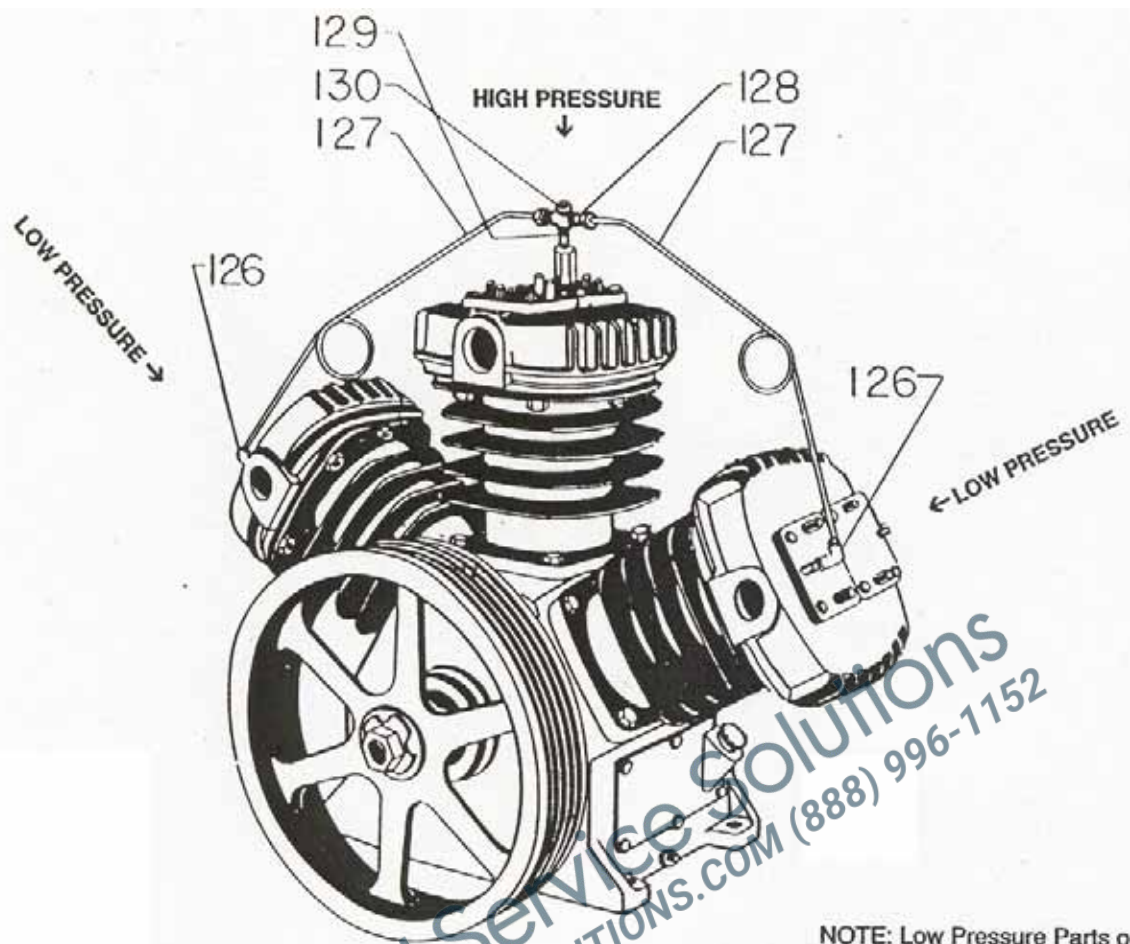
C-100S COMPRESSOR REPLACEMENT PARTS			
ITEM	PART NO.	DESCRIPTION	QTY REQ.
88	CM732	Gasket, Plat, Small End	2
89	CM736	Plate, Small End	2
90	VB310	Seal, Oil	1
91	CX9BC	Nut, Crankshaft	1
92	CX9AJ	Lockwasher, Flywheel	1
93	CK3M	Key, Flywheel 5/8" Square x 5 1/8" Lg.	1
94	CM714	Flywheel	1
95	VH12PK	Screw, Cap, Hex 1/2" x 1 1/4", Grade 5	8
96	CM711	Plate, Large End	1
97	VH12PM	Screw, Cap, Hex, 1/2" x 1 1/2", Grade 5	10
98	CM731	Gasket, Plate, Large End	1
99	VD827	Cone, Roller Bearing – 566-Flywheel End	1
100	VD828	Cup, Roller Bearing – 563 – Flywheel End	1
101	CM706	Crankshaft	1
102	VD826	Cone, Roller Bearing – 39585 – Fan End	1
103	VD824	Roller Bearing – 39520 – Fan End	1
104	CM744	Ring, Oiling	1
105	CM701	Crankcase	1
106	VA02ER	Plug, 3/4"	1
107	CM713	Door, Side with Oil Fill Port	1
108	CM717	Gauge, Oil	1
109	VH12FF	Screw, Cap, Hex 1/4" x 3/4" Grade 5	2
110	VH38F	Lockwasher, Internal Tooth 1/4"	2
111	CMA773	Retainer, Oil Ring	1
112	CMA714	Spacer, Retainer, Oil Ring	2
113	CM792	Set, Shims	1
114	VB307	Seal, Oil	1
115	VH35P	Lockwasher, 1/2" Spring	4
116	CMA729	Guard, Crankshaft	1
117	CMA728A	Flange & Pipe, Discharge	1
118	CMA728B	Flange & Pipe, Discharge	1
119	CMA728C	Flange & Pipe, Discharge	1
120	CM754	Tube, Steel	2
121	VA06KF	Elbow, Pipe, 2-1/2" N.P.T.	2
122	VA11KF	Cross, Pipe, 2-1/2" N.P.T.	1
123	VH11RM	Screw, Hex, Cap, 5/8" NC x 1 1/2"	12
124	CMA831	Nipple, Half, Pipe 2 1/2" N.P.T. x 2" Lg.	4
125	CM745	Pin, Hold Down, Oiling Ring	1
126	VA15BCE	Elbow, 1/4" M.P.T. x 1/4" O.D. Tube	2
127	CBA902	Tubes, Unloader, 1/4" O.D.	2
128	VA14BCE	Connection, Tube 1/4" M.P.T. x 1/4" O.D.	2
129	VA13BBA	Nipple, Short 1/4" I.P.T.	1
130	VA11BF	Cross, 1/4" I.P.T.	1
131	CMA742	Set, Gasket	1
132	CM778	Bearing, Rod (2 Halves)(Oversize for Undersize shaft) for Service	3
133	VA1129	Element, Strainer	2

NOTE: Items 126-130 Are Pictured On CCC1380 "B" Size Sht. 2 of 10

C-100S ASSEMBLYS – KITS – SETS			
ITEM	PART NO.	DESCRIPTION	QTY REQ.
1	CBA959	Assy., Unloader, Suction	3
7	CBB931	Assy., Fork Unloader	3
10	CM761	Assy., S.V.L.P.	3
16	CM699	Assy., Backstop S.V.	3
26	CM697	Assy., Seat, D.V.	3
31	CM762	Assy., D.V.L.P.	3
35	CMA731	Assy., Head, Cyl, L.P. with APU	3
44	CM790	Set, Ring, L.P. (Standard)	2
45	CM790-010	Set, Ring, L.P. (.010 Oversize)	2
46	CM790-030	Set, Ring, L.P. (.030 Oversize)	2
47	CMA645	Piston, L.P. (Standard)	2
48	CM645-010	Piston, L.P. (.010 Oversize)	2
49	CM645-030	Piston, L.P. (.030 Oversize)	2
53	CM687	Assy., Piston with Rings & Pin (Standard)	2
54	CM687-010	Assy., Piston with Rings & Pin (.010 Oversize)	2
55	CM687-030	Assy., Piston with Rings & Pin (.030 Oversize)	2
56	CM791	Set, Ring (Standard)	1
57	CM791-010	Set, Ring (.010 Oversize)	1
58	CM791-030	Set, Ring (.030 Oversize)	1
62	CM789	Assy., Piston with Rings & Pin (Standard)	1
63	CMA789-010	Assy., Piston with Rings & Pin (.010 Oversize)	1
64	CMA789-030	Assy., Piston with Rings & Pin (.030 Oversize)	1
65	CM742	Kit, Bushing, rod, Connecting (2 Bushings per kit)	3
66	CM708	Assy., Rod Connecting with Bushing & Bolts	3
67	CM760	Assy., Rod Connecting with Bushing, Bolts and Bearing	3
72	CMA701	Assy., Piston with Rings & Pin, Rod & Bearing H.P.	1
73	CMA702	Assy., Piston with Rings & Pin, Rod & Bearing L.P.	2
113	CM792	Set, Shims	1
131	CMA742	Set, Gasket	1

CURTIS PARTS LIST FOR COMPRESSOR MODEL C-100S



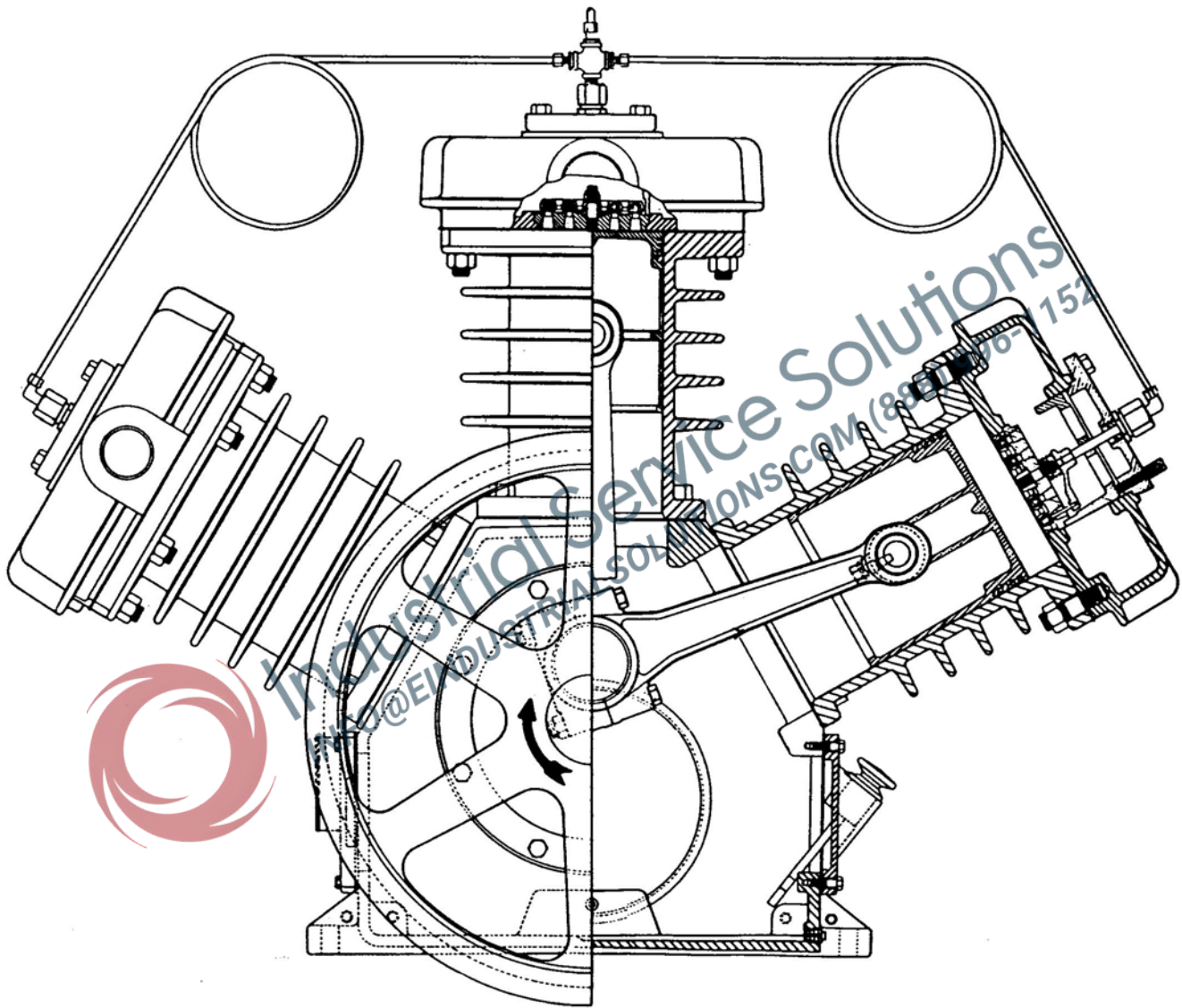


NOTE: Low Pressure Parts on this side are not shown in exploded view because both Low Pressure sides are identical.

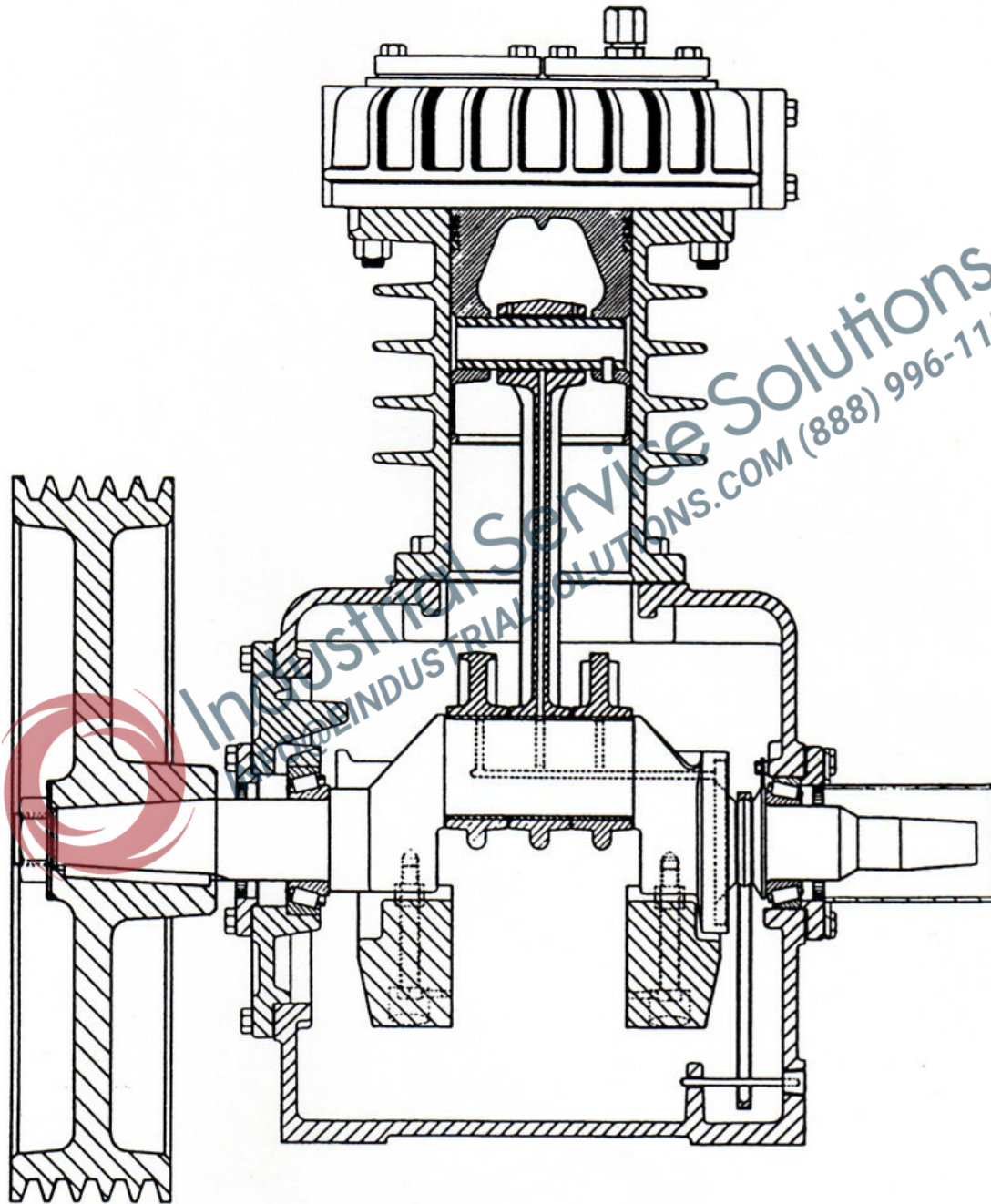


NOTES:

**CURTIS AIR COMPRESSOR
MODEL C-100S SINGLE STAGE**



CURTIS AIR COMPRESSOR MODEL C-100S SINGLE STAGE



NOTES



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