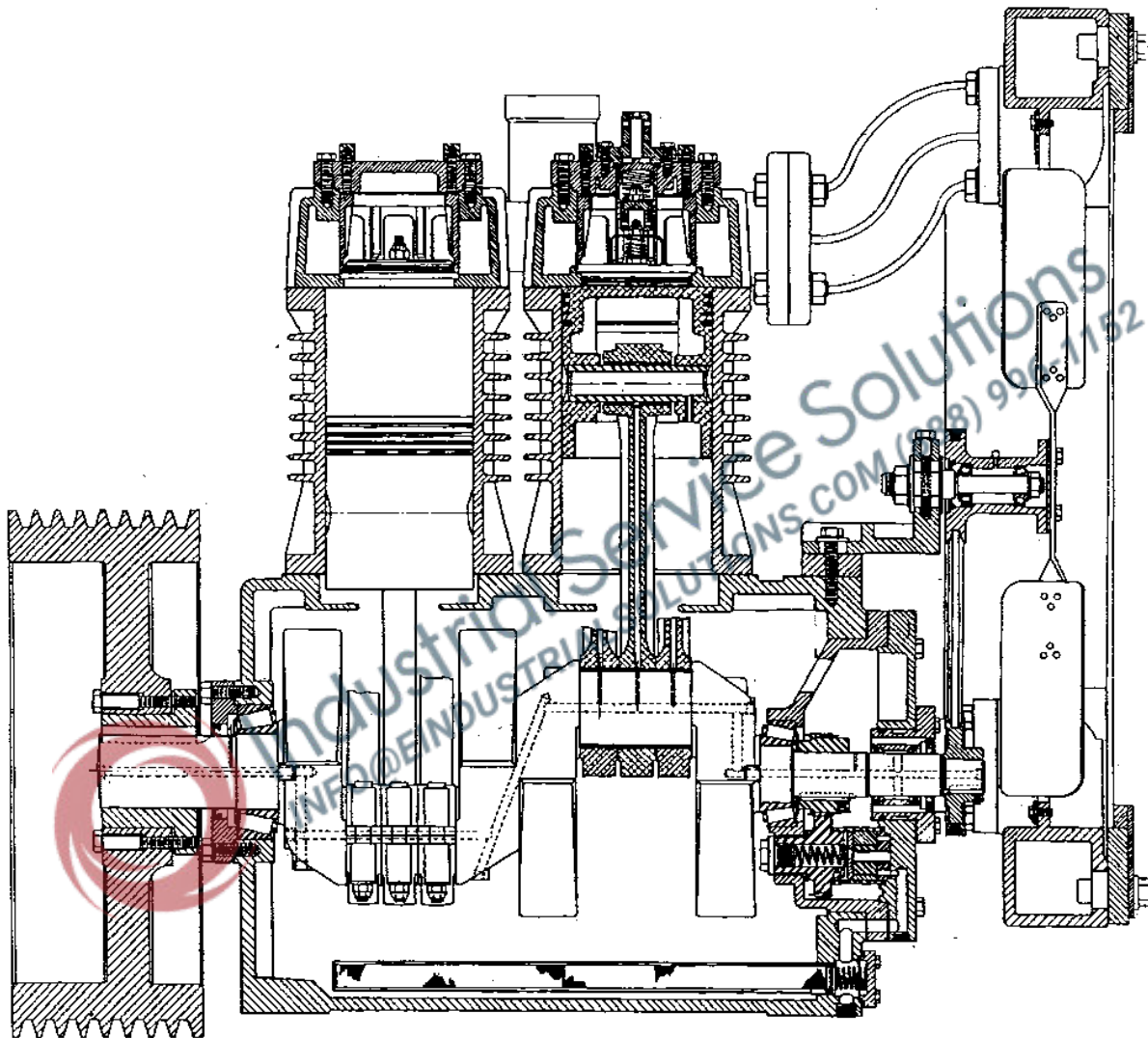


PARTS LIST MODEL C-300S SINGLE STAGE CURTIS AIR COMPRESSOR

SIZE: -8"-8"-8" X 5-5/8"



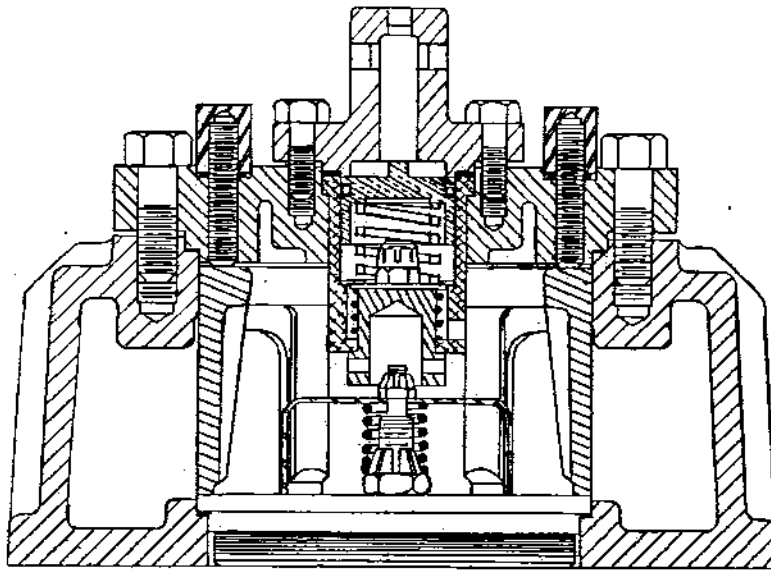
CURTIS-TOLEDO, INC.

1905 Kienlen Avenue, St. Louis, Missouri 63133

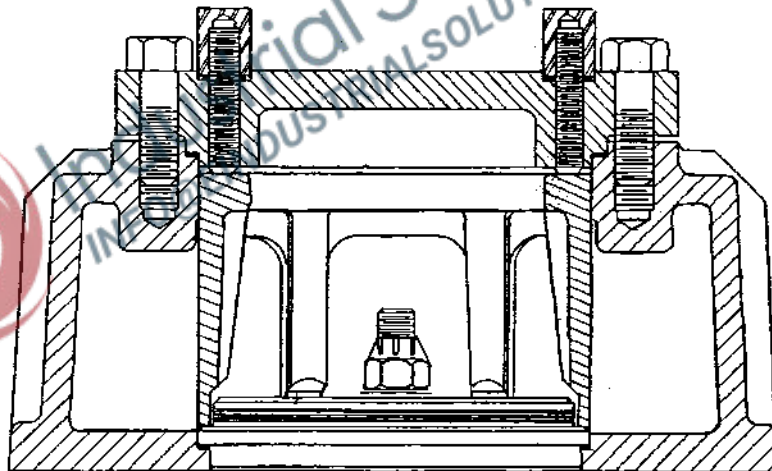
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Sales representatives in principal cities



ASSEMBLY - SUCTION

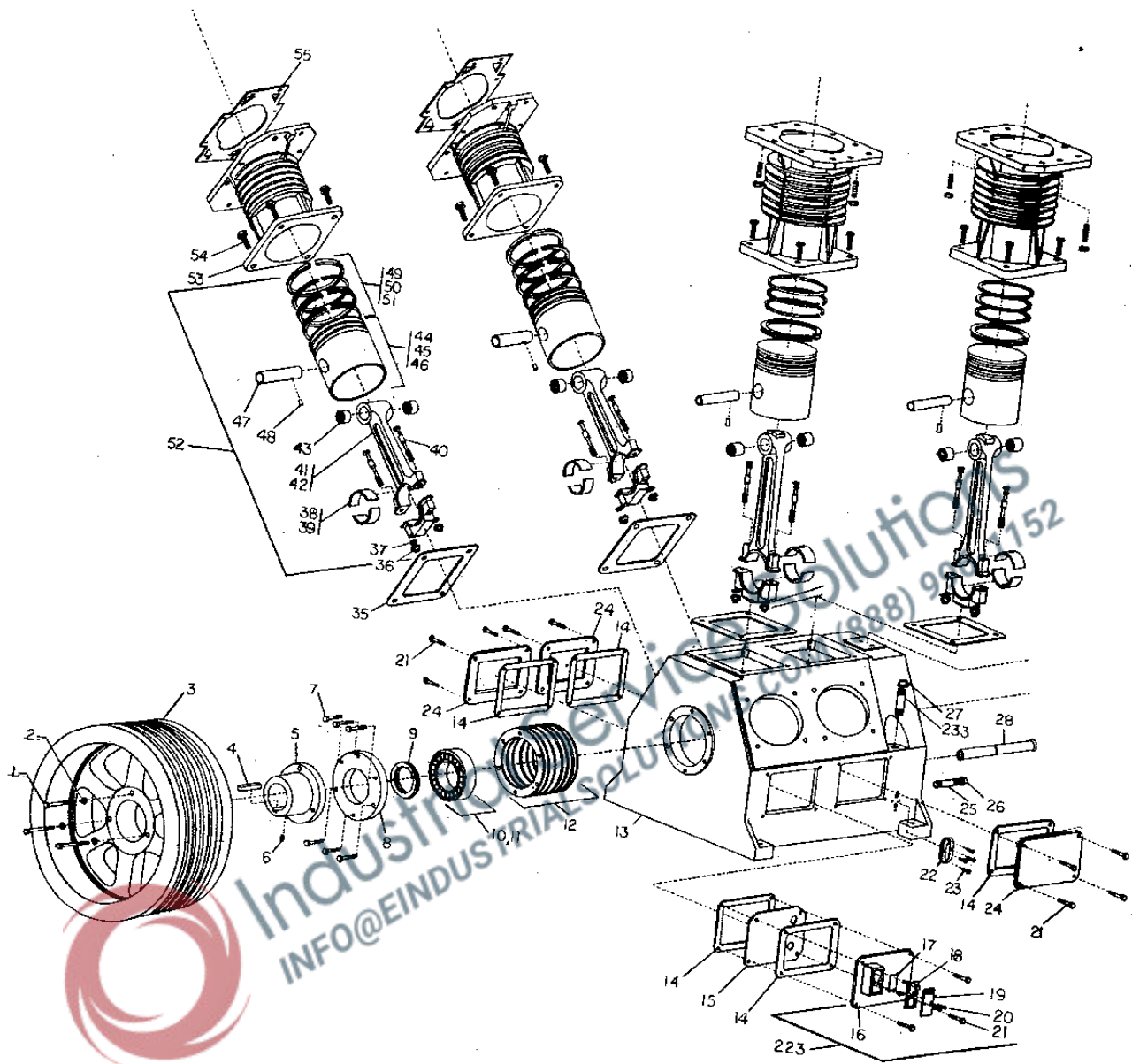


ASSEMBLY - DISCHARGE

CYLINDER HEAD ASSEMBLY
CM-805

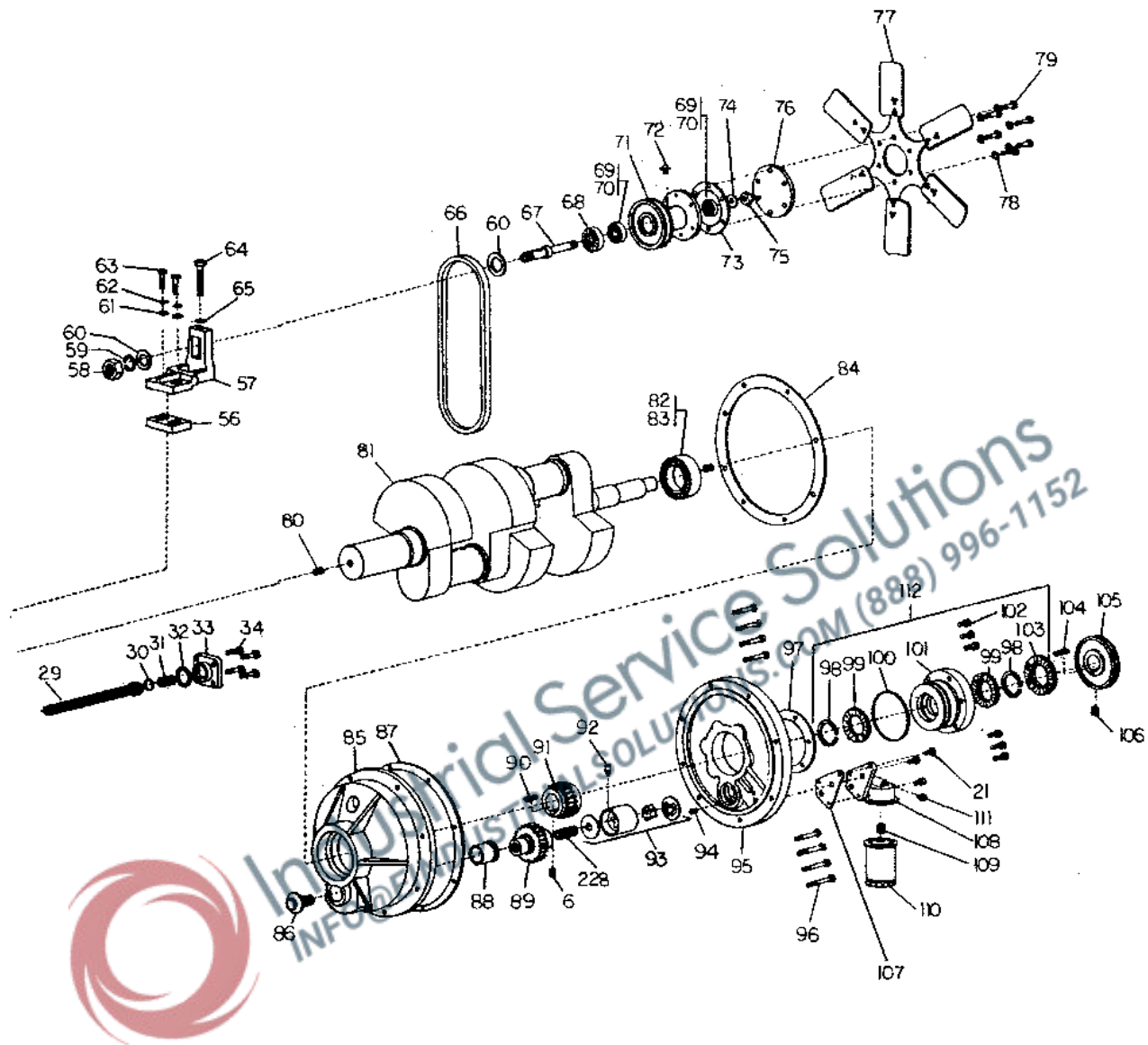
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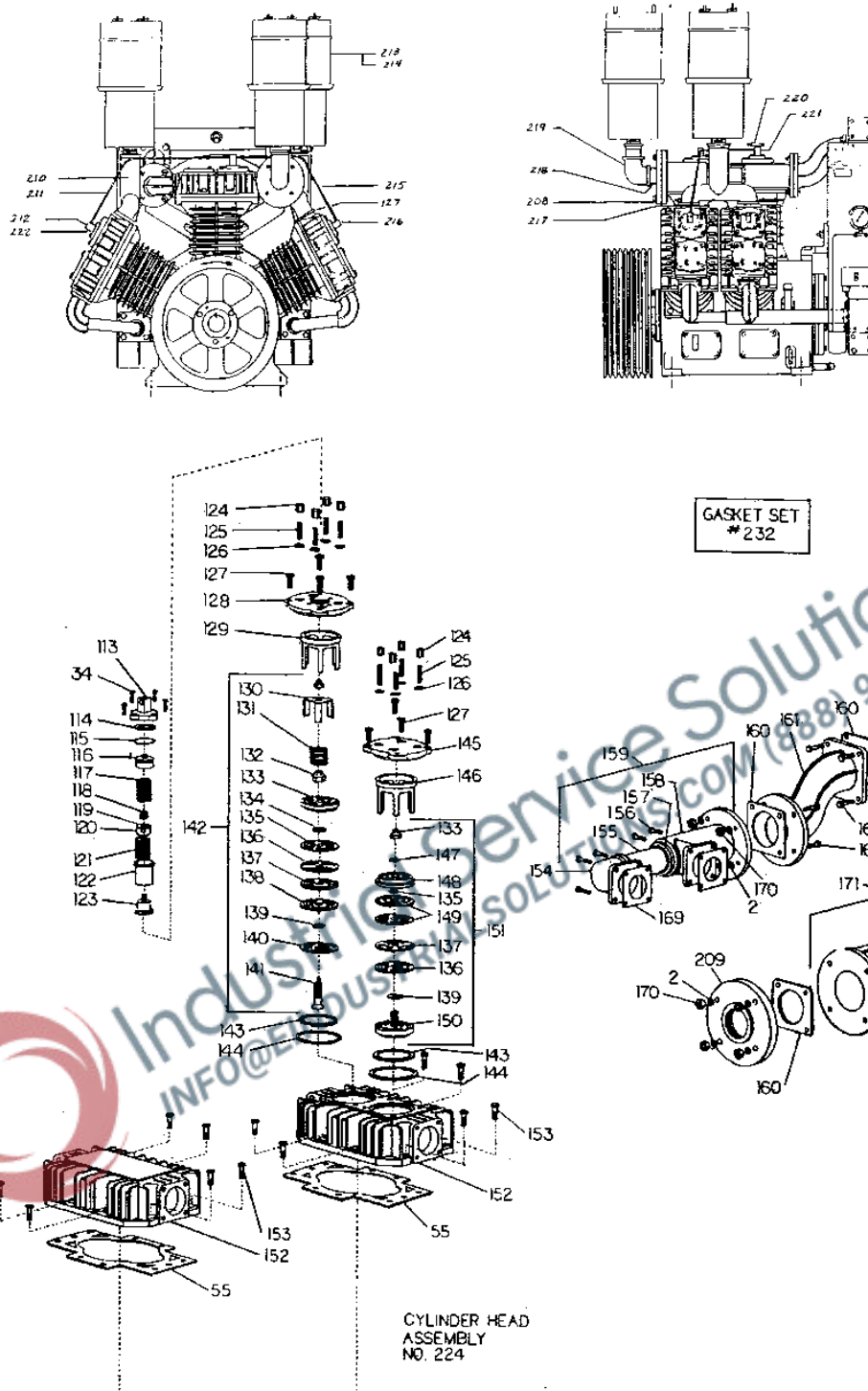
Give name and part numbers as shown and SERIAL NUMBER of compressor when ordering parts. Serial number appears on nameplate attached to compressor

Refer to MASTER PARTS PRICE LIST for pieces.



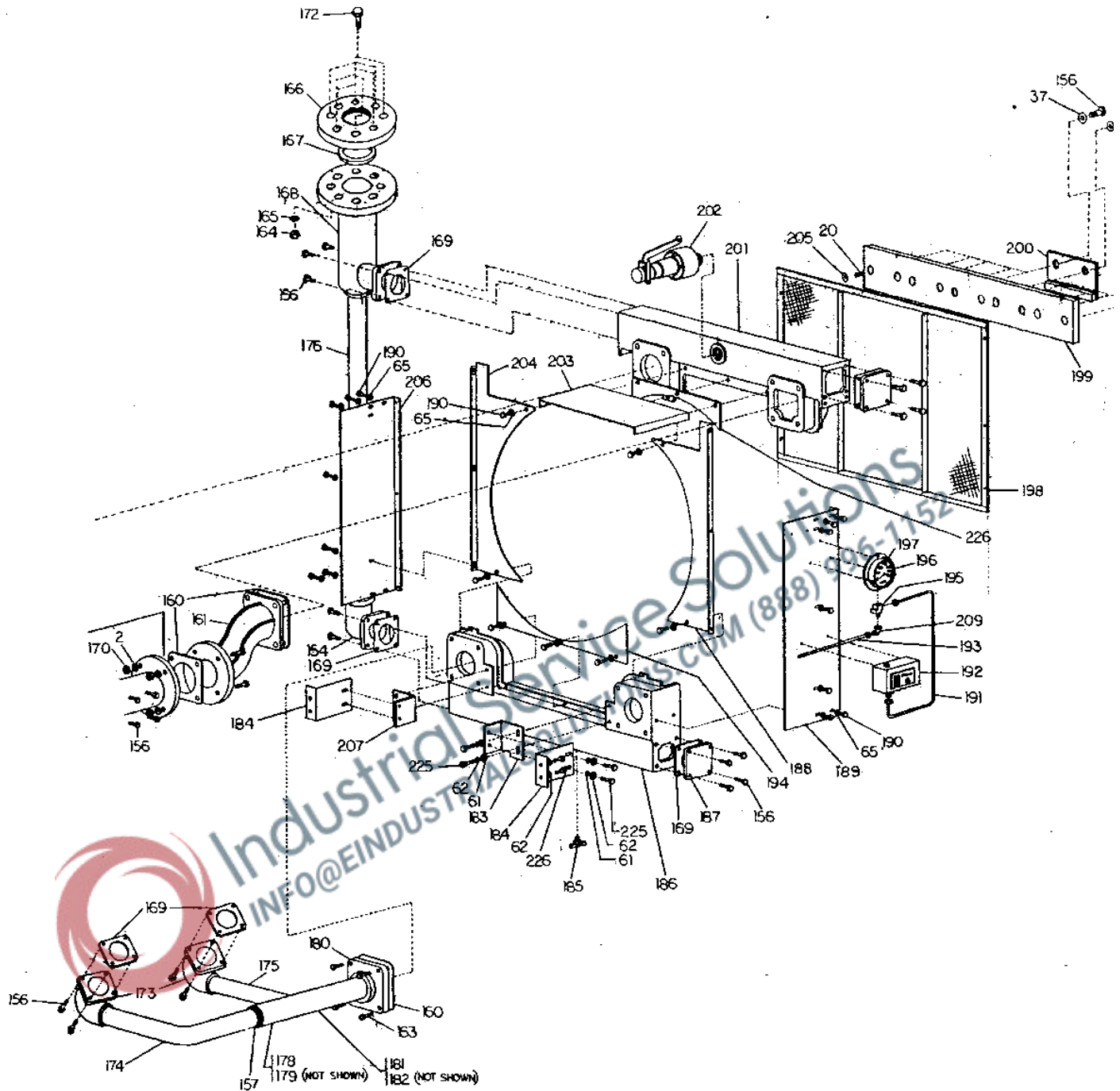
Give name and part numbers as shown and SERIAL NUMBER of compressor when ordering parts.
Serial number appears on nameplate attached to compressor

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Give name and part numbers as shown and SERIAL NUMBER of compressor when ordering parts.
Serial number appears on nameplate attached to compressor

Refer to MASTER PARTS PRICE LIST for pieces.

C 300S SINGLE STAGE COMPRESSOR

COMPRESSOR REPLACEMENT PARTS			
ITEM	PART NO.	DESCRIPTION	QTY
1	VH12RY	HHCS, 5/8" X 4 1/2" LG., Gr. 5	3
2	VH35R	Lockwasher, Spring, 5/8"	15
3	CM825	Flywheel	1
4	CM922	Key-3/4" x 3/4" x 4 1/4" Lg.	1
5	VD903	Bushing, 3 1/4" Bore, 3/4" x 3/8" Keyway	2
6	VH1410	SHSS, 5/16" X 3/8"	2
7	VH12PN	HHCS, 1/2-13 X 1 3/4" Lg., Gr. 5	6
8	CM913	End Plate	1
9	VB306	Oil Seal	1
10	VD804	Cup – Bearing	1
11	VD805	Cone – Bearing	1
12	CM943	Shim Set	1
13	CM912	Crankcase Assembly	1
14	CM916	Gasket, Side Door	5
15	CM917	Door Baffle	1
16	CM915	Side Door	1
17	CM664	Breather Valve (Side Door)	1
18	CM665	Gasket, Breather Cover	1
19	CM663	Breather Cover	1
20	VH01CC	Machine Screw, 10-30 x 3/8" Lg.	8
21	VH12HK	HHCS, 5/16" x 1 1/4" Lg., Gr. 5	19
22	VO301	Gauge, Oil Sight Glass	1
23	VH03CE	Fillister Head Machine Scr, 10-32 x 5/8" Lg	4
24	CM914	Door	3
25	VA13EGC	Nipple, Black, Extra-Heavy, 3/4" x 4" Lg.	1
26	VA04EP	Cap, Black – 3/4"	1
27	VA04GQ	Cap Pipe, Galvanized – 1 1/4"	1
28	CM938	Oil Strainer Housing	1
29	CM939	Oil Strainer Assembly	1
30	VB410	"O" Ring	1
31	CM896	Spring	1
32	CM885	Gasket, Oil Strainer Cover	1
33	CM830	Oil Strainer Cover	1
34	VH12HH	HHCS, 5/16" x 1" Lg., Gr. 5	28
35	CM729	Gasket, Crankcase – 1/16"	6
36	VH20N	Nut, Flex Lock, 1/2"-20	12
37	VH33P	Washer – 1/2" (SAE)	48
38	CM815	Bearing, Set (Standard)	6
39	CM816-001	Bearing, Set (.001 Undersized Shaft)	6
40	CM818	Bolt, Connecting Rod	12
41	CM802	Connecting Rod Complete w/Bushing & Brg (Standard)	6
42	CM802-001	Connecting Rod Complete w/Bushing & Brg (.001 Undersized)	6
43	CM817	Bushing, Steel Backed	12
44	CM810	Piston, L.P. (Standard)	6
45	CM810-010	Piston, L.P. (.010 Undersized)	6
46	CM810-030	Piston, L.P. (.030 Undersized)	6
47	CM820	Pin, Piston – L.P.	6
48	VH25MH	Piston Pin, Spring Pin	6
49	CM810	Set, Piston Rings, L.P. (Standard)	6
50	CM810-010	Set, Piston Rings, L.P. (.010 Oversized)	6
51	CM810-030	Set, Piston Rings, L.P. (.030 Oversized)	6
52	CM812	Assembly Piston & Rod w/Rings, Pin and Brgs – L.P. (Standard)	6
53	CM822	Cylinder	6
54	VH11TN	HHCS, 3/4-10 x 1 3/4" Lg., Gr. 2	24
55	CM875	Gasket, Head	6
56	CM953	Spacer, Fan Bracket	1
57	CM852	Bracket	1
58	VH1507	Nut, Hex, Steel, Light – 1"	1
59	VH37X	Lockwasher, Spring – 1"	1
60	VH33X	Washer, Plain (SAE) – 1"	2
61	VH32P	Washer, Cut, 1/2-13	10
62	VH35P	Lockwasher, Spring – 1/2-13	12
63	VH11PQ	HHCS, 1/2-13 x 2 1/4" Lg.	2
64	CM879	Screw, 3/8-16 x 3 1/2"	1
65	VH33K	Washer, Plain (SAE) – 3/8"	31
66	VD308	"V" Belt	1
67	CM854	Shaft	1
68	VB302	Oil Seal	1
69	VB806	Cup – Bearing	2
70	VB807	Cone – Bearing	2
71	CM855	Pulley	1
72	VD701	Grease Fitting, Straight – 3/16"	1
73	CM878	Gasket, Fan Pulley Plate	1

COMPRESSOR REPLACEMENT PARTS			
ITEM	PART NO.	DESCRIPTION	QTY
74	VH33T	Washer, Plain (SAE) – 3/4"	1
75	VH1527	Nut, Lock, Spring, 3/4-16	1
76	CM877	Fan Pulley Plate	1
77	CM947	Fan	1
78	VH35H	Lockwasher, Spring – 5/16"	8
79	VH12HF	HHCS, 5/16-18 x 3/4" Lg., Gr. 5	6
80	VAA857	Plug, Hex, Socket – 1/4"	1
81	CM976	Crankshaft	1
82	VD802	Cup – Bearing	1
83	VD803	Cone – Bearing	1
84	CM894	Gasket – Bearing Plate	1
85	CM836	Bearing Plate Assembly	1
86	CM924	Closure Screw Kit	1
87	CM893	Gasket, Bearing Plate Cover	1
88	CM834	Bearing, Flanged	1
89	CM923A	Lube Pump Carrier Gear w/ Drive Key	1
90	CM891	Drive Key Key	1
91	CM841	Pump Drive Gear	1
92	CM884	Pump Carrier Gear Key	1
93	CM981	Pump	1
94	VH1312	Pin, Self-Locking – 1/4" x 11/16"	1
95	CM833	Bearing Plate Cover	1
96	VH12PT	HHCS, 1/2-13 x 3" Lg., Gr. 5	8
97	CM886	Gasket, Master Oil Seal	1
98	VH1801	Snap, Ring	2
99	VB303	Oil Seal	2
100	VB408	"O" Ring	1
101	CM838	Master Oil Seal Housing	1
102	VH13KH	SHCS, 3/8-16 x 1" Lg.	6
103	VB304	Oil Seal	1
104	CM816	Key, 1/4" x 5/16" x 12 1/4"	1
105	VD241	Sheave, Complete w/ hardware – 1 3/8"	1
106	VH1414	Screw, Cup Point, 3/8-24 x 1/2" Lg.	1
107	CM890	Gasket, Oil Filter Carrier	1
108	CM835	Oil Filter Carrier	1
109	CM845	Oil Filter Nipple	1
110	VO201	Oil Filter – PF2	1
111	VA14BCE	1/4" MPT x 1/4" Tube Compression fitting	1
112	CM808	Master Oil Seal Assembly	1
113	CM866	Cap	6
114	CM889	Gasket, Unloader Cylinder	6
115	VB409	"O" Ring	6
116	CM868	Unloader Piston	6
117	CM871	Piston Return Spring	6
118	VH20L	Nut, Hex, Slotted Self Locking, 7/16-20	6
119	CM984	Washer, Zinc Plated – 3/8" ID x 1 1/4" OD x 12 GA.	6
120	VH32K	Washer, Cut – 3/8"	6
121	CM872	Plunger, Return Spring	6
122	CM867	Unloader Cylinder	6
123	CM869	Unloader Plunger	6
124	RK206-3	Stud Nut	48
125	VH09KN	Headless Socket Head Screw, Flat Pt., 3/8-16 x 1 3/4" Lg.	48
126	VH1232	Washer, Aluminum – 9/16" x 25/64"	48
127	VH12PM	HHCS, 1/2-13 x 1 1/2" Lg., Gr. 5	48
128	CM862	Cover Plate	6
129	CM858	Valve Retainer	6
130	CM887-1	Unloader Fork Locknut	6
131	CM887-2	Unloader Fork	6
132	CM887-3	Unloader Fork Spring	6
133	CM887-4	Center Bolt Locknut	12
134	CM887-5	Valve Seat	6
135	CM887-6	Washer	12
136	CM887-7	Valve Plate	12
137	CM887-8	Dampening Plate	12
138	CM887-9	Suction Spring Plate	12
139	CM887-10	Washer – Lift	12
140	CM887-11	Guard Plate	6
141	CM887-12	Center Plate	6
142	CM887	Valve – Suction with Unloader	6
143	CM874	Gasket, Valve	12
144	CM657	Gasket, L.P. Valve	12

C 300S SINGLE STAGE COMPRESSOR, (CON'T)

COMPRESSOR REPLACEMENT PARTS			
ITEM	PART NO.	DESCRIPTION	QTY
145	CM863	Cover Plate	6
146	CM859	Valve, Retainer	6
147	CM888-1	Locknut, Washer	6
148	CM888-2	Guard Plate	6
149	CM888-3	Plate – Discharge Spring	12
150	CM888-4	H.P.D.V. Seat	6
151	CM888	Discharge Head	6
152	CM824	Cylinder Head	6
153	VH12RN	HHCS – 5/8" x 1 3/4" Lg., Gr. 5	48
154	CM930	Suction Elbow	2
155	CM952	Manifold Pipe High Side	2
156	VH12PK	HHCS – 1/2" x 1 1/4" Lg., Gr. 5	68
157	CM959	Discharge Tube Reducer	2
158	CM928	Manifold Tee Connection	3
159	CM955	Manifold Assembly, H.P.S.V.	1
160	CM941	Gasket, Large Flange	6
161	CM929	Flange Connection	2
162	VH12RT	HHCS – 5/8 x 3" Lg., Gr. 5	12
163	VH11TP	HHCS – 3/4" x 2" Lg., Gr. 2	24
164	VH15T	Nut, Hex – 3/4"	8
165	VH35T	Lockwasher, Light – 3/4" x .233 x .153	8
166	VA1402	Discharge Flange – 4"	1
167	CM942	Gasket, Large Flange	1
168	CM940	Discharge Manifold Tee	1
169	CM734	Gasket, Intercooler Inlet	16
170	VH15R	Nut, Finished, Hex – 5/8"	12
171	CM996	Manifold Assembly	1
172	VH12TS	HHCS, 3/4" x 2 3/4" Lg, Gr. 5	8
173	CM932	Discharge Elbow	4
174	CM994	Elbow, Discharge L.P. Tube	2
175	CM958	Discharge Connection, L.P.	2
176	CM952A	Manifold Pipe, 2 1/2" Std. Pipe x 31 1/2" Lg.	1
177	CM997	Discharge Manifold Assembly	1
178	CM956	Discharge Tube, L.P., L.H.	1
179	CM957	Discharge Tube, L.P. R.H. (Not Shown)	1
180	CM933	Discharge Flange	2
181	CM960	Discharge Manifold Assy., L.P. Left Hand	1
182	CM961	Discharge Manifold Assy., L.P. Right Hand (Not Shown)	1
183	CMA855R	Intercooler Support Brkt – (Right Hand)	1
184	CMA856	Intercooler Support Brkt – (Compressor Side)	2
185	VV514	Drain Cock – 1/4"	1
186	CM927	Intercooler Bottom Header	1
187	CM946	Intercooler Blank Flange	2
188	CM937-RH	R.H. Fan Shroud	1
189	CM935	R.H. Side Frame	1
190	VH11KD	HHCS, 3/8" x 1/2" Lg., Gr.2	18
191	CMA815	1/4" Tubing (Gauge to Switch)	1
192	VS502	Switch (Oil Pressure) Pressure Control	1
193	CM966	Gauge To Filler Tube	1
194	CM948	Fan Shroud Bottom	1
195	VA729	Tee, Compression – 1/4" x 1/4" x 1/4"	1
196	VA314	Gauge, Oil Pressure – 1/2" (60 PSIG)	1
197	VH13ED	SHCS, 1/4-28 x 1/2" Lg.	3
198	CM993	Fan Guard Screen	1
199	CM988	Intercooler Top Header Plate	2
200	CM994	Brace, Fan Guard Screen	2
201	CM926	Intercooler Top Header	1
202	VV421	Safety Valve – 1 1/4" MPT (70 PSI)	1
203	CM950	Intercooler Air Baffle	1
204	CM937-LH	L.H. Fan Shroud	1
205	VH38D	Lockwasher - #10 Internal	6
206	CM936	L.H. Side Frame	1
207	CMA855L	Intercooler Support Brkt – L.H.	1
208	VA1401	Flange, Cast Iron – 3"	1
209	VA736	1/4" FPT x 1/4" Tube Compression Elbow	1
210	CM931	Manifold	2
211	CM963	Unloader Tube, L.H.	1
212	VA14ACE	Compression Conn. w/Sleeve & Nut – 1/8" x 1/4"	10
213	VA1132	Strainer – 3"	3
214	VA1133	Strainer Element – 3"	3
215	CM964	Unloader Tube, R.H.	1
216	VA01BA	Plug, Square Head, Steel – 1/4"	5

COMPRESSOR REPLACEMENT PARTS			
ITEM	PART NO.	DESCRIPTION	QTY
217	CM962	Cylinder Unloader Tube	3
218	VA13LKA	Nipple, Black – 3" Std. Pipe x 5 1/2" Lg.	1
219	VA06KF	Elbow, 90 – 3"	1
220	VV1003	Valve, Unloader Pilot – 1/2"	1
221	VA13BAA	Nipple, Black, 1/4 x Close	1
222	VA01AA	Plug, Square Head – 1/8"	5
223	CM907	Side Door w/ Breather Valve	1
224	CM805	Cylinder Head Assembly	6
225	VH11PH	HHCS, 1/2 x 1" Lg., Gr. 2	16
226	CM949	Fan Shroud Top	1
227	CM735	Gaskets (Intercooler Sections)(Not Shown)	10
228	VO103	Oil Pump Retaining Spring	1
229	CMA849	Oil Gauge Connection (Not Shown)	1
230	CM1037-2	Disc. Oil Pump Spring (For Service Only) (Not Shown)	1
231	CMA820	Gasket, Oil Sight Glass (Not Shown)	1
232	CM998	Set, Gasket	1
233	VA13GLB	Nipple, Galvanized – 1 1/4" x 6" Lg.	1
234	CM995	Brkt. For Air Unloader Filter (Not Shown)	1

ASSEMBLIES – KITS - SETS			
ITEM	PART NO.	DESCRIPTION	QTY
13	CM912	Crankcase Assembly	1
29	CM939	Oil Strainer Assembly	1
38	CM815	Bearing, Set (Standard)	6
39	CM816-001	Bearing, Set (.001 Undersized Shaft)	6
41	CM802	Connecting Rod Complete w/Bushing & Brg (Standard)	6
42	CM802-001	Connecting Rod Complete w/Bushing & Brg (.001 Undersized Shaft.)	6
49	CMA810	Set, Piston Rings, L.P. (Standard)	6
50	CMA810-010	Set, Piston Rings, L.P. (.010 Oversized)	6
51	CMA810-030	Set, Piston Rings, L.P. (.030 Oversized)	6
52	CM812	Assembly Piston & Rod w/Rings, Pin and Brgs – L.P. (Standard)	6
86	CM924	Closure Screw Kit	1
112	CM808	Master Oil Seal Assembly	1
142	CM887	Valve – Suction with Unloader	6
151	CM888	Discharge Head	6
159	CM955	Manifold Assembly, H.P.S.V.	1
171	CM996	Manifold Assembly	1
177	CM997	Discharge Manifold Assembly	1
181	CM960	Discharge Manifold Assy., L.P. Left Hand	1
182	CM961	Discharge Manifold Assy., L.P. Right Hand (Not Shown)	1
224	CM805	Cylinder Head Assembly	1
225	VH11PH	HHCS, 1/2 x 1" Lg., Gr. 2	6
233	VA13GLB	Nipple, Galvanized – 1 1/4" x 6" Lg.	1



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