

CASTAIR C2 PUMP BREAKDOWN

MAINTAINENCE SCHEDULE

1. Run air compressor under no-load for 20 minutes before putting into service.
2. Change break-in oil after 8 hours of use, then change oil every 400 hours or 4 months for **CAST-LUBE** semi-synthetic **GA5W30** or 800 hours or 8 months for **CAST-LUBE** full-synthetic GA10W30, whichever comes first.
3. Check your oil often and maintain the level 1/4" above the center of the sight glass. Do not over-fill! Capacity is 2 quarts. Be aware, water can accumulate in your oil in high humidity conditions. If your oil looks milky, stop using it and change oil.

Failure to do so will void your warranty.

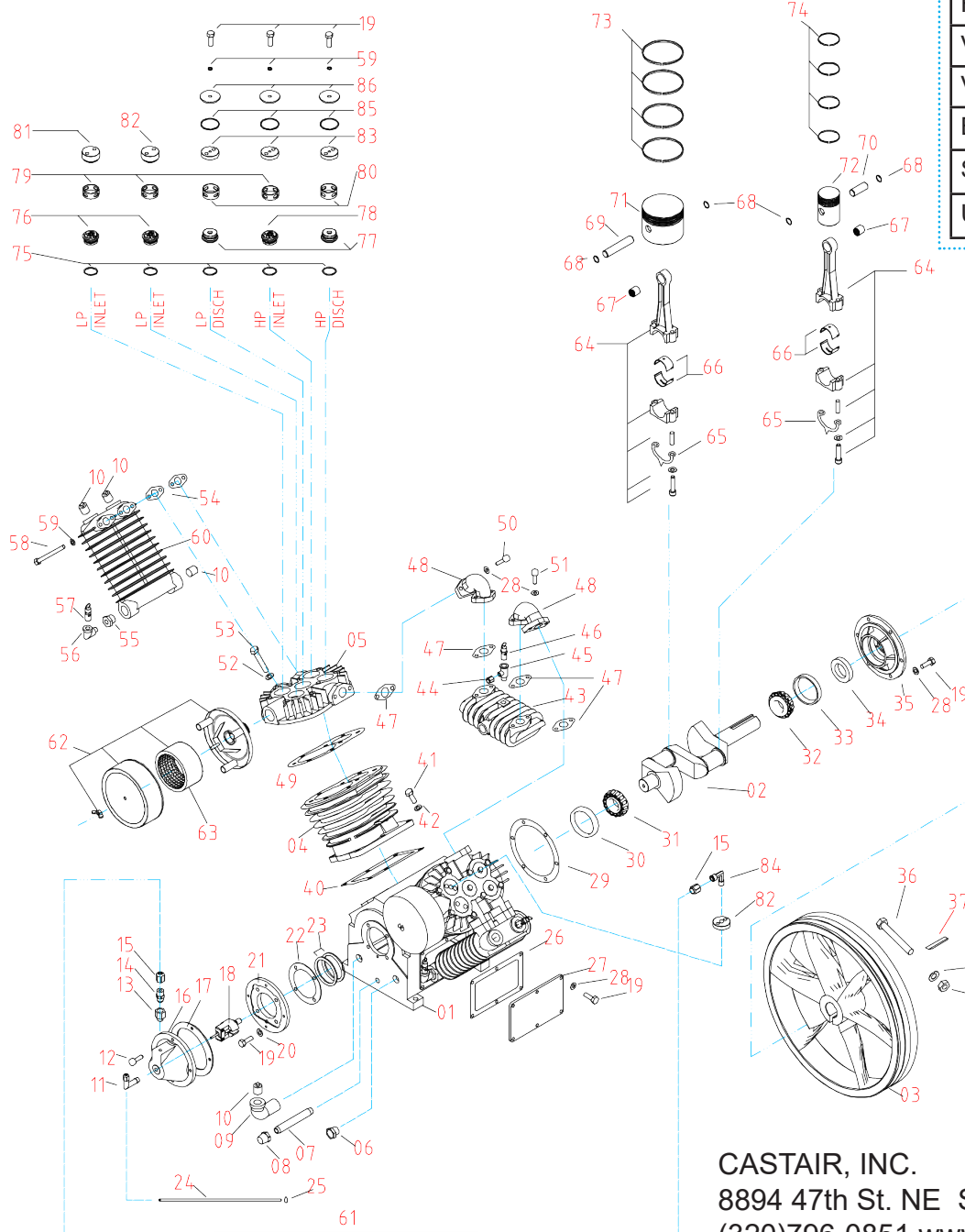
Failure to use a quality reciprocating/piston AIR COMPRESSOR OIL such as CAST-LUBE could cause premature wear and void warranty. CAST-LUBE oils are specially formulated synthetic multi-weight, non-detergent, non-foaming, high temperature oils designed to prevent carbon build-up and can be used in all temperatures.

NOTE: If using a non-synthetic oil in temperatures above 32°F, use 30-weight oil. For temperatures below 32°F, use 10-weight oil.

TORQUE SPECS

ft-lb

Flywheel bolt	65
Aftercooler bolts	30
Intercooler bolts	30
Head bolts	50
Valve cover bolts	20
Sight glass bolts	20
Cylinder bolts	30
Rod bolts steel	40
Rod bolts aluminum	30
Valve bolts	15
Valve retainers	80
Bearing carrier bolts	30
Side cover bolts	30
Unloader cover bolts	15



CASTAIR, INC.

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CASTAIR C2 PUMP BREAKDOWN

ITEM	PARTS#	DESCRIPTION	QTY
1	708001	CRANKCASE	1
2	709001	CRANKSHAFT	1
3	713000	FLYWHEEL 19" OD	1
4	711000	CYLINDER	2
5.1	710000	HEAD LEFT SIDE	1
5.2	710001	RIGHT HEAD	1
6	731005	OIL SIGHT GLASS BRASS	1
7	140034	OIL DRAIN PIPE 3/8 NPT	1
8	140034	OIL DRAIN PIPE CAP 3/8 NPT	1
9	4127-A	OIL FILL ELBOW	1
10	140035	PLUG 3/4 NPT	7
11	704000	CENTRIFUGAL UNLOADER AIR BLEEDER VALVE	1
12	110109	CAPSCREW-SKT HD M6X20	4
13	703011	BREATHER RETURN TO INTAKE	1
14	718006	CONNECTOR STRAIGHT BREATHER	1
15	621	COPPER NUT	2
16	728004	COVER-CENTRIFUGAL UNLOADER	1
17	070166	GASKET-UNLOADER COVER	1(*a)
18	728005	CENTRIFUGAL UNLOADER	1
19	110117	CAPSCREW-HEX HD M8X20	28
20	130058	LOCKWASHER Ø8	4
21	701029	ADAPTER CENTRIFUGAL UNLOADER	1
22	070172	GASKET CENTRIFUGAL UNLOADER ADAPTER	1(*a)
23.1	090094	SHIM-0.10 BRG ADJUSTMENT	1
23.2	090093	SHIM-0.005 BRG ADJUSTMENT	2
24	150018	ASSEMBLY-FAU TUBE Ø6X450	1
25	31796	COPPER SEAL RING	1
26	070165	GASKET-SIDE COVER	2(*a)
27	020147	SIDE COVER CRANKCASE	2
28	070201	COPPER WASHER .52ODx.32IDx.032 THK	26
29	070163	GASKET BEARING CARRIER FLY END	1(*a)
30	050159-1	BEARING RACE UNLOADER END	1
31	050159	MAIN BEARING UNLOADER END	1
32	050158	MAIN BEARING FLYWHEEL END	1
33	050158-1	BEARING RACE FLYWHEEL END	1
34	060068	SEAL CRANKSHAFT OIL	1
35	701000	HOUSING CARRIER FLYWHEEL END	1
36	110108	CAPSCREW-HEX M16X120	1
37	080029	KEY-FLYWHEEL	1
38	130057	LOCKWASHER Ø16	1
39	120060	NUT-HEX M16	1
40	070162	GASKET-CYLINDER TO CRANKCASE	2(*a)
41	110107	CAPSCREW-HEX M10X25MM LG	12
42	070203	WASHER COPPER .66ODx.39IDx.065TK	12
43	706003	AFTERCOOLER	1
44	31797	COPPER NUT	1
45	16003-A	TEE-MALE TUBE 1/4" NPT	1
46	ST25-200	SAFETY VALVE 200PSI ASME	1
47	070167	GASKET-AFTERCOOLER	4(*a)
48	706001	ELBOW-AFTERCOOLER	2

ITEM	PARTS#	DESCRIPTION	QTY
49	070161	GASKET-CYLINDER HEAD	2(*a)
50	109999	CAPSCREW-SKT HD M8X30	4
51	110106	CAPSCREW-SKT HD M8X25	4
52	9286	LOCKWASHER Ø12	16
53	110111	CAPSCREW-HEX M12X70	16
54	070169	GASKET-INTERCOOLER	4(*a)
55	050120	BUSHING PIPE	2
56	718000	ELBOW-STREET	2
57	ST25-70	SAFETY VALVE 70PSI ASME	2
58	110105	CAPSCREW-HEX M8X90	8
59	070204	COPPER GASKET BØ8	14
60	706000	INTERCOOLER	2
61	703013	BREATHER TUBE	1
62	S16D-100	FILTER-INLET ASSEMBLY W/ELEMENT	2
63	16D	FILTER-INLET REPLACEMENT ELEMENT	2
64	705107	CONNECTING ROD	4
65	705003	DIPPER-OIL CONNECTING ROD	4
66	050122	ROD BEARING (SET OF 2)	4
67	050121	BEARING WRISTPIN	4
68	200100	WRISTPIN SNAP RING	8
69	729000	WRIST PIN-LP PISTON	2
70	729006	WRISTPIN-HP PISTON	2
71	720000	PISTON-LP	2
72	720002	PISTON-HP	2
73	719064	PISTON RING SET-LP	2
74	719088	PISTON RING SET-HP	2
75	070202	COPPER GASKET-VALVE SEAT	10(*a)
76	727000	VALVE ASSEMBLY-LP INLET	4
77	727002	VALVE ASSEMBLY-HP/LP DISCH	4
78	727001	VALVE ASSEMBLY-HP INLET	2
79	727003	SPACER-INLET VALVE	6
80	727004	SPACER-DISCHARGE VALVE	4
81	727136	RETAINER LP INLET VALVE	3
82	727134	VALVE RETAINER LP INT. W/ PORT	1
83	727135	VALVE RETAINER LP & HP DIST. & HP INC.	6
84	718015	COPPER ELBOW	1
85	070170	VALVE COVER GASKET	6(*a)
86	727136-2	COVER-VALVE HP&LP DISCHARGE & HP INLET	6
*a	070246	GASKET SET	1

