

CASTAIR C1 PUMP BREAKDOWN

MAINTENANCE 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.

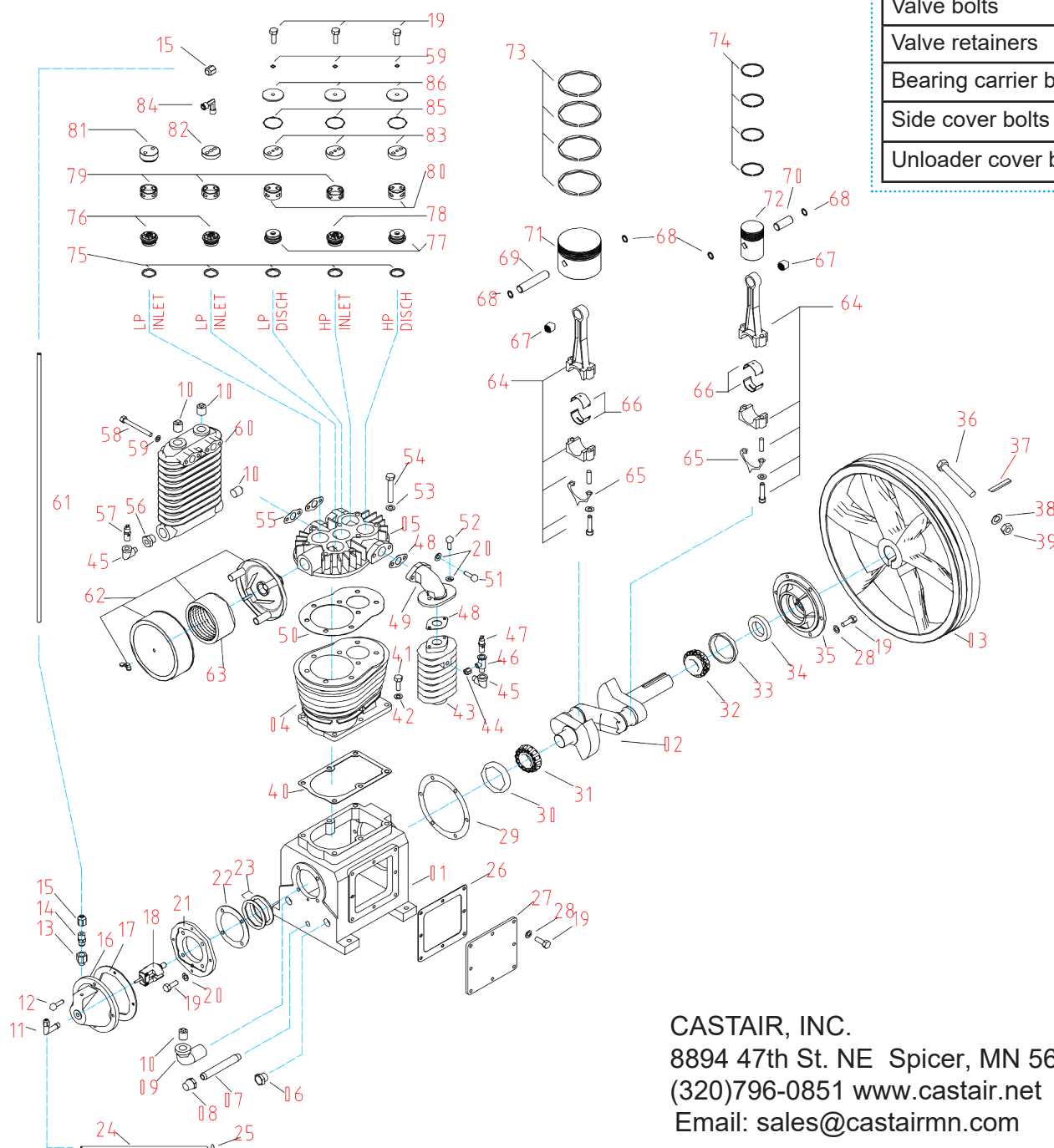
Failure to use a quality reciprocating/piston AIR COMPRESSOR OIL such as CAST-LUBE could cause premature wear and void warranty. CAST-LUBE oils are specially formulated synthetic multi-weight, non-detergent, non-foaming, high temperature oils designed to prevent carbon build-up and can be used in all 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 C1 PUMP BREAKDOWN

ITEM	PARTS#	DESCRIPTION	QTY
1	708000	CRANKCASE	1
2	709000	CRANKSHAFT	1
3	713001	FLYWHEEL	1
4	711000	CYLINDER	1
5	710000	HEAD CYLINDER	1
6	731005	OIL SIGHT GLASS (BRASS)	1
7	140037	OIL DRAIN PLUG 3/8"NPT	1
8	37001	OIL DRAIN PIPE CAP	1
9	4127-A	OIL FILL ELBOW	1
10	160004	PIPE PLUG	4
11	704000	ELBOW-VALVE & UNLOADER	1
12	110104	CAPSCREW-SKT HD M6X20	4
13	703011	BREATHER RETURN TO INTAKE	1
14	718006	STRAIGHT BREATHER CONNECTOR	1
15	621	COPPER NUT	2
16	728004	CENTRIFUGAL UNLOADER COVER	1
17	070166	GASKET-UNLOADER COVER	1(*a)
18	728005	CENTRIFUGAL UNLOADER	1
19	110117	CAPSCREW-HEX M8X20	21
20	130058	LOCKWASHER	8
21	701001	CU ADAPTER PLATE	1
22	070172	CENTRIFUGAL UNLOADER ADAPTOR	1(*a)
23.1	090094	SHIM-0.010 BRG ADJUSTMENT	1
23.2	090093	SHIM-0.050 BRG ADJUSTMENT	2
24	150018	1/4" BLEEDER LINE	1
25	31796	COPPER SEAL RING	1
26	070164	GASKET-SIDE COVER	1(*a)
27	020146	COVER- CRANKCASE SIDE	1
28	070201	COPPER WASHER SEAL	14
29	070163	GASKET BEARING CARRIER FLYWHEEL END	1(*a)
30	050159-1	MAIN BEARING RACE UNLOADER END	1
31	050159	MAIN BEARING UNLOADER END	1
32	050158	MAIN BEARING RACE FLYWHEEL END	1
33	050158-1	MAIN BEARING CAP-FRONT	1
34	060068	CRANK SHAFT SEAL	1
35	701000	BEARING CARRIER FLYWHEEL END	1
36	110108	CAPSCREW-HEX M16X120	1
37	080029	KEY-FLYWHEEL	1
38	130057	LOCKWASHERΦ16	1
39	120060	NUT-HEX M16	1
40	070162	GASKET-CYLINDER TO CRANKCASE	1(*a)
41	110107	CAPSCREW-HEX M10X30	6
42	070203	COPPER GASKET	6
43	706004	AFTERCOOLER	1
44	31797	COPPER NUT	1
45	160003	ELBOW-STREET	2
46	16003-A	TEE-MALE TUBE	1
47	ST25-200	VALVE-SAFETY 200PSI	1
48	070167	GASKET-AFTERCOOLER	2(*a)
49	706002	ELBOW-AFTERCOOLER	1
50	070161	GASKET-CYLINDER HEAD	1(*a)
51	109999	CAPSREW-SKT HD M8X30	2

ITEM	PARTS#	DESCRIPTION	QTY
51	109999	CAPSREW-SKT HD M8X30	2
52	110106	CAPSREW-SKT HD M8X25	2
53	9286	LOCKWASHER Φ12	8
54	110111	CAPSCREW-HEX M12X70	8
55	070169	GASKET-INTERCOOLER	2(*a)
56	160002	BUSHING- REDUCING	1
57	ST-25-70	VALVE-SAFETY 70PSI ASME	1
58	110105	CAPSCREW-HEX M8X90	4
59	070204	COPPER GASKET BΦ8	7
60	706000	INTERCOOLER	1
61	703017	BREATHER TUBE	1
62	S-16D-100	FILTER-INLET ASSEMBLY W/ELEMENT	1
63	16D	FILTER-INLET REPLACEMENT ELEMENT	1
64	705107	CONNECTING ROD W/BEARING	2
65	705003	DIPPER-OIL CONNECTING ROD	2
66	050122	INSERT ROD-BEARING SET OF 2	4
67	705107	BEARING WRISTPIN	2
68	200100	SNAP RING-INTERNAL WRISTPIN	4
69	729000	WRIST PIN-LP PISTON	1
70	729006	WRISTPIN-HP PISTON	1
71	720000	PISTON-LP 105MM	1
72	720002	PISTON-HP	1
73	719064	PISTON RING SET-LP	1
74	719088	PISTON RING SET-HP	1
75	070202	COPPER VALVE SEAT GASKET	5(*a)
76	727000	VALVE ASSEMBLY-LP INLET	2
77	727002	VALVE ASSEMBLY-HP/LP DISCHARGE	2
78	727001	VALVE ASSEMBLY-HP INLET	1
79	727003	SPACER-INLET VALVE	2
80	727004	SPACER-DISCHARGE VALVE	3
81	727136	VALVE COVER	1
82	727134	VALVE RETAINER LP INTAKE	1
83	727135	VALVE RETAINER LP/HP DIST. HPINT.	3
84	718015	BREATHER ELBOW	1
85	070170	GASKET-VALVE COVER	3(*a)
86	727136-2	COVER-VALVE	3
*a	070245	GASKET SET	1

