F-143330

DET NO	PART NO	DESCRIPTION	MATERIAL	NO REQD
1	F-7068	UPPER BASE	W.C.	1
2	F-7065	LOWER BASE	W.C.	1
3	F-7067	CRANKSHAFT	4140	1
4	C-7583	AIR CYLINDER	AMPCO-12	2
5	STD.	PARKER - ROD SEAL "2500SSOO	2500-1 @ 6.00 x .25	4
6	B-7801	PISTON	M.S.	2
7	A-8534	PISTON ROD	PRETEMPERED ALLOY STEEL	2
8	B-7804	CYLINDER CAP	ALUM. ALLOY	2
9	STD.	NATIONAL O-RING "NS-357		1
10	STD.	LOCKNUT "AN-30		1
11	STD.	LOCKWASHER "W-30		1
12	D-7805	SLINGER RING	BURNOUT M.S.	1
13	STD.	NATIONAL - OIL SEAL "550848		1
14	C-7582	COVER	BURNOUT M.S.	1
15	STD.	NATIONAL - O-RING "NS-375		1
16	STD.	TORRINGTON BEARING "1605031		1
17	D-7111	CONNECTING ROD	AMPCO-12	2
18	B-7456	WRIST PIN	B3X	2
19	B-7961	WRIST PIN STRAP	C.R.S.	2
20	C-7584	COUNTER BALANCE TANK	W.C.	1
21	STD.	NATIONAL O-RING "NS-350		1
22	STD.	McGILL "MERL 5/8 MI80		1
23	C-7581	COVER	BURNOUT M.S.	1
24	STD.	NATIONAL O-RING "NS-366		1

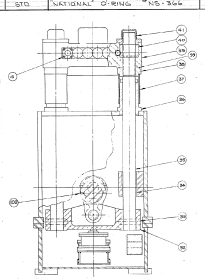
DET NO	PART NO	DESCRIPTION	MATERIAL	NO REQD
25	STD.	NATIONAL OIL SEAL "550065		1
26	B-7806	SLINGER RING	BURNOUT M.S.	1
27	STD.	LOCKNUT - KN - 24		1
28	STD.	LOCKWASHER W-24		1
29	STD.	O RING - .25 DIA. - 118		1
30	STD.	BARNES PUMP - HP		1
31	STD	NATIONAL O RING "NS-438		2
32	C-7580	CROSSBEAM	ALUM CAST ALMAG 35	2
33	A-8535	HEAD ROD KEY	C.R.S.	4
34	D-1195	LOWER HEAD ROD BUSHING	660 BRZ	4
35	D-7287	HEAD ROD	PRETEMPERED ALLOY	4
36	D-1600-F	HEAD ROD BRG. HOUSING	BRZ	4
37	B-7373	COVER	SHT-STL.	4
38	D-7809	HEAD ROD NUT	1115 BEE MACH.	4
39	F-7066	HEAD	ALUM. CAST	1
40	B-7808	HEAD ROD ADJ. NUT	660 BRZ	4
41	C-1187	HEAD ROD CAP	ALUM. CAST	4
42	B-7403	GEN. FILTER BRACKET (D)		1
43	STD.	MALE CONNECTOR - .19 TUBE x .125 NPT	STL.	2
44	STD.	COUPLING - .125 NPT		2
45	STD.	OIL PRESSURE GAUGE - 2.06 DIA.		2
46	STD.	.375"-16 HEX. NUT		2
47	STD.	.75 O.D. x .035 WALL x 3.50"	STL. TUBE	2
48	STD.	"PARKER HOSE - 75 I.D. x 78 SUIT "421		2

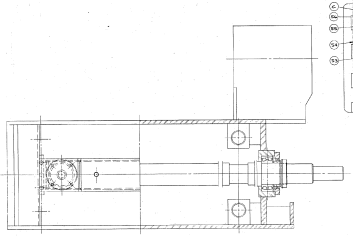
DET NO	PART NO	DESCRIPTION	MATERIAL	NO REQD
49	STD.	LOW PRESSURE CLAMP - PT. # 88HC-12		2
50	STD.	REDUCER - 1 N.P.T. x .75 N.P.T.		2
51	STD.	MALE ELBOW - .175 TUBE x .75 N.P.T.	STL.	2
52	STD.	TUBING TO SUIT - .75" x .020" WALL		2
53	STD.	GEN. FILTER 1" PIPE "LF-500-C		1
54	D-7121	GEN. FILTER COVER		1
55	STD.	REDUCER - .25" NPT. TO .12" NPT.		2
56	STD.	MALE 45° ELBOW - .19 TUBE x .12" N.P.T.		2
57	B-1355	GEAR PLATE	C.R.S.	2
58	B-1351	IDLER GEAR	M.S.	6
59	B-1810	HEAD SHAFT	C.R.S.	1
60	STD.	OIL BEARING (BOST) # FB-1016-16		2
61		PIN - .50 DIA. x 1.44 LG.	C.R.S.	6
62	STD.	OIL BEARING (BOST) # FB-812-4		6
63	B-7265	PLATE COVER	SHT. STL.	1
64	B-1352	WORM PIN	C.R.S.	6
65	B-1353	WORM PIN BRG.	BRZ	4
66	B-1351	DRIVE GEAR	M.S.	6
67	STD.	WORM GEAR (BOST) # WJ-1076-R.H.		4
68	STD.	OIL BEARING (BOST) # FB-1216-8		4
69	STD.	RELIANCE MOTOR BASE #286 AT FRAME (C) CLEARANCE		1
70	STD	.12 N.P.T. PIPE PLUG		2
71	STD.	NATIONAL O-RING "NS-111		2
72				

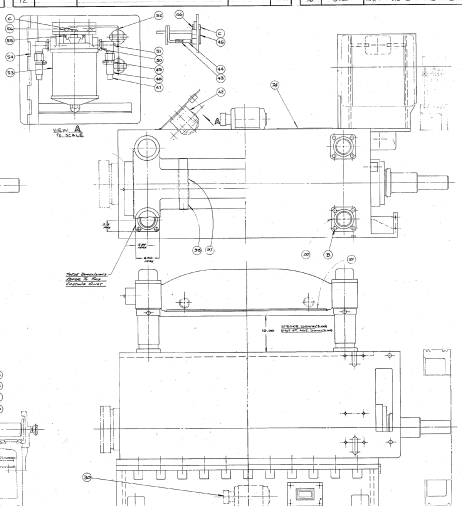
DET NO	PART NO	DESCRIPTION	MATERIAL	NO REQD
73	B-7831	SHAFT SUPPORT	AMPCO-12	1
74	C-1185	PLATE COVER	SHT. MTL.	1
75	C-1009	COVER	SHT. MTL.	1
76	STD.	DURANT REV. COUNTER "S-C57-1186(B)	P.A.	1
77	STD	COUPLING - .25" I.D. x .50" O.D. TUBE		1
78	A-2823	SPACER	C.R.S.	1
79	STD.	"BOSTON" PRECISION BRG. "1606-DS		2
80	STD.	DOWEL PIN - .25" x 2.00 LG.		1
81	STD.	KEY - .12" SQ. x .88" LG.	WY. STK.	1
82	A-2814	GEAR	B.R.E.	1
83	A-2818	SHAFT	C.R.S.	1
84	A-2815	PILLOW BLOCK	M.S.	2
85	A-2820	CAP	M.S.	1
86	A-2822	SHAFT	C.R.S.	1
87	STD.	BOSTON PRECISION BRG. #1602-DS		2
88	A-2819	SPACER	C.R.S.	1
89	A-2816	SPUR GEAR	ALLOY STL.	1
90	A-2815	BEVEL GEAR	"BOSTON" #B-1851-G "BOSTON" #B-1851-P	1
91	STD.	BEVEL PINION		1
92	A-2821	PIN	C.R.S.	1
93	C-2751	COVER PLATE	C.R.S.	1
94	A-2817	BRACKET	M.S.	1
95	A-2824	FLANGE BRG.	"BOSTON" #FB-1010	1
96	STD.	KEY - .12" SQ. x .50" LG.	KEY STK.	6

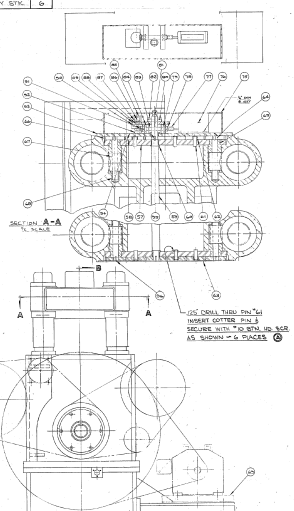
DET NO	PART NO	DESCRIPTION	MATERIAL	NO REQD
97	B-7830	SPACER	BRAKEPATS TUBE	2
98	A-8568	ROD	C.R.S.	2
99	STD.	O RING (D)	NATIONAL "NS-338	4
100	STD	O RING (D)	NATIONAL "NS-113	4
101	B-3328	COVER (D)	C.R.S.	2
102	B-16010	SHIM (D)	CDS	2
103	B-16010P	BEARING (D)	AMPCO-18	2
104	B-16010B	BEARING (D)	AMPCO-18	2
A	STD.	.625"-11 x 2.25" SOC. HD. SCR.		20
B	STD.	.438"-14 x 2" SOC. HD. SCR.		16
C	STD.	.375"-16 x 1" HEX. HD. SCR.		13
D	STD.	.500"-13 x 1.75" SOC. HD. SCR.		12
E	STD.	.500"-13 x 1.50" SOC. HD. SCR.		30
F	STD.	.313"-18 x 1" SOC. HD. SCR.		8
G	STD.	.375"-16 x 2.25 SOC. HD. SCR.		16

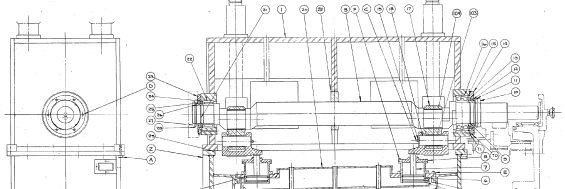
NO.	DESCRIPTION	DATE	BY
A	ADDED NOTE	7/16/80	DDW
B	WAS B-13256	7/17/80	MA
C	WAS BY ALPHA	7/28/80	MA
D	ADDED DET'S 99 100 & 101	7/30/80	MAL
E	WAS 2.50 I.D.	8/1/80	MA
F	ADDED DET'S 102, 103 104	8-13-80	JP

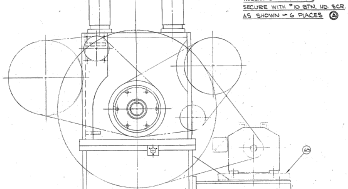












NOTE:
FOR ORIGINAL TRACING
SEE DWG. E-137125

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DR.	4-18-79
123 WISCONSIN RIVER		CH.	
X DECIMAL ±	TOLERANCE ±	APP.	
X.XX ±	.01"	MFG.	
X.XXX ±	.005"	SCALE	1" = 50"
X.XXXX ±	.0005"	TITLE	LAYOUT - 39 TON PRODUCTION PRESS
ANGLE ±	30MIN		BR-4 PRESS
MATERIAL FINISH 125 MAX			
BOSTON, MASS. 02109		SIZE	D
BOSTON GEAR INCORPORATED		83000-77	143330