



173	4	LOCK WASHER 1/4	WASHER026	
174	1	FLAT WASHER 3/4 X 1 1/8 X 1/32	WASHER058	
175	4	FW 1/4BS3/16 .250x.562x.49	WASHER003	
176	1	COMP. SPRING 1" OD	SPRING041	B
177	1	EXT. SPRING 3/8 OD	SPRING042	
178	1	KEY .188 X 2 1/2 (INCL. W/ MOTOR)		
179	1	KEY 1/4 X 1	KW021	
180	1	KEY 3/16 X 1/2	KW031	
181	1	KEY .188 X .188 X 1 3/4	KW009	
183	2	CAM GUIDE PLATE SPRING C260047	SPRING001	
185	1	PUSH NUT 1/4	CLIP016	
186	1	SPRING PIN 5/16 X 2	PIN021	
187	1	DISCONNECT FORK AXLE	PIN022	A
188	1	16" X 1/16 CABLE 1 END STOP	CABLE012	
189	1	CABLE SLEEVE 1/16	SLEEVE001	
190	1	S HOOK	HOOK001	

PARTS IDENTIFICATION				
#	QTY	DESCRIPTION	# MANARAS	REV
1	1	LEFT HAND SIDE FRAME	FRAME037	14
2	1	RIGHT HAND SIDE FRAME	FRAME038	14
3	1	VINCICKER N-4X 12 X 10 X 5	PANEL070	
4	1	PLATE IN CBOX WP/CP	PLATE079	A
5	1	RCGH C4X LIMIT SHAFT 5/8-24X12	SHAFT064	5
6	1	INPUT SHAFT	SHAFT107	A
7	1	OUTPUT SHAFT	SHAFT102	E
8	1	MTH/MTBH CAMPLATE N-1	CAMPLATE012	D
9	1	TOGGLE SW+ RESET SUPP. BRACKET	BRACKET097	A
12	1	WATERPROOF CBOX TSTRIP SUPPORT	BRACKET178	A
13	2	LIMIT CAM 5/8-24 UNEF	CAM004	C
18	1	HANDLE	HANDLE005	B
19	1	DISC. SWITCH SUPPORT	BRACKET192	A
20	1	DISCONNECT FORK	FORK001	S
21	2	OPERA WP/CP CBOX SUPPORT	BRACKET205	
22	1	COUPLING 3/4 2 PINS 1/4	COUPLING014	B
23	1	DOUBLE SPROCKET	SPR410B14A2B3/4	A
24	1	DOUBLE SPROCKET	41B14A410B32X3/4	A
25	1	DOUBLE SPROCKET	SPR410B14A32X1	B
26	1	32 TOOTH 41 SPROCKET	SPR41B33X1PH5/16	B
27	1	SPACER 3/4	SPACER008	A
28	1	SPACER 3/4	SPACER011	A
29	1	MOTOR PLATE	PLATE078	9
30	1	PULLEY	PULLEY020	B
31	1	CL PAD 5/8x4x0.1"	CLUTCHPAD005	
32	1	CLUTCH PLATE OPERA	CLUTCHPLATE006	C
50	1	MOTOR	MOTOR	
51	1	MOTOR PULLEY 5L X 2	PULLEY014	A
52	1	Type B, inside length 29"	VBELTB29	
53	2	HEX HEAD BOLT 1/4 X 1-1/2	BOLT008	
54	2	COLLAR 5/8	COLLAR004	
55	1	COLLAR 3/4	COLLAR005	
56	3	COLLAR 1"	COLLAR007	
57	4	SEALED FLANGED BRG 5/8 PRECISION	BEARING006	
58	2	FLANGED BEARING 1"	BEARING007	
59	1	CHAIN 41 48P (WITH CHAIN LINK)	CHAIN059	
60	2	CHAIN 410 48P (WITH CHAIN LINK)	CHAIN058	
61	42 P	chain #410, 500' roll	CHAIN046	
62	1	SPR410B18X1 K1/4 2SS	SPR410B18X1	
63	1	SPR410B9X5/8 KW3/16 2SS1/4	SPR410B9X5/8	
66	2	LIMIT SHAFT LOCK NUT 5/8-24	NUT015	
100	1	TERMINAL STRIP	TSTRIP001	
101	4	SINGLE LIM SW.+LEVER	LIMIT001	
102	1	GROUND LUG	CONNECTOR039	
103	1	TRANSFO 120/240-24 40VA	TRANSF143	
104	1	RELAY 120V OR 240V DPDT	RELAY026-027	
105	1	RELAY 24V DPDT	RELAY024	
106	1	TELEM.REVERS.CONT.24V	CONTACTOR044	
107	12	LIMIT SWITCH SPACER 1/4 X 1/4	SPACER001	
108	1	RESET		
109	1	BX CONNECTOR WATERTIGHT 4950P	ADAPTER006	
110	1	BX CONNECTOR WATERTIGHT 90 DEG	ADAPTER007	
146	4	HEX NUT 6/32	NUT002	
147	2	NYLON LOCK NUT 1/4-20UNC	NUT020	
148	4	NYLON LOCK NUT 6-32UNC	NUT018	
149	4	NUT .250-20 UNC	NUT006	
150	16	HEX NUT 5/16-18UNC	NUT007	
154	2	LIMIT SHAFT LOCK NUT 5/8-18ZP	NUT013	
155	4	HEX HD .250-20UNC X .75	BOLT002	
156	16	CARRIAGE BOLT 5/16-18UNC X 3/4	BOLT093	
158	10	SET SCREW 5/16-18UNC X 5/16	SCREW003	
159	2	SELF TAPPING 10-24UNC X 3/8	SCREW022	
160	2	SET SCREW 1/4-28-1/4	SCREW002	
161	4	MACHINE SCREW 10-32 X 3/8	SCREW053	
162	10	SELF TAPPING 6-32UNC X 3/8	SCREW094	
163	6	SELF TAPPING 6-32UNC X 5/8	SCREW095	
164	4	MACHINE SCREW 6-32 X 2 1/2	SCREW046	
168	4	LOCK WASHER #6	WASHER023	
169	16	FLAT WASHER .312 X .734 X .065	WASHER007	
170	2	FLAT WASHER .656 X 1.312 X .095	WASHER014	
171	16	LOCK WASHER 5/16	WASHER028	
172	8	BELLEVILLE WASHER 5/8	WASHER035	

PARTS IDENTIFICATION NOT SHOWN			
QTY	DESCRIPTION	# MANARAS	REV
1	OPR-H/J INSTR MAN+ECCB "E"	BOOK051	
10	8-2050 LIQUID TIGHT TUBING	BX002	
14'	DISCONNECT CHAIN	CHAIN064	
1	2 AMP FUSE ACC	FUSE006	
1	MOTOR HARNESS MJH 1 PHASE	HARNESS010	
1	STD CBOX 1PH.110 CONN	HARNESS049	
1	2 AMP. FUSE	STICKER003	
1	1 TO 9	STICKER034	
1	B2/C2 HW STICKER	STICKER059	
1	3 BUTTON STATION C4 DANFOSS	STATION031	
1	ACC WIRING HW NOTE "E"	TND006	
2	WIRE NUT	WIRENUT001	

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO MANARAS / OPERA AND SHALL NOT BE REPRODUCED OR DISCLOSED OR USED FOR ANY DESIGN OR MANUFACTURE EXCEPT WHEN USER POSSESSES DIRECT WRITTEN AUTHORIZATION FROM MANARAS / OPERA.

OPERA-JW SINGLE PHASE

OWN BY:	DATE:	DOC FILE:	REV:	DATE:
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MANARAS-OPERA
138 ONEIDA DRIVE
POINTE-CLAIRE, QC, H9R 1A6
TEL: 1-800-361-2260
FAX: 1-888-626-0008