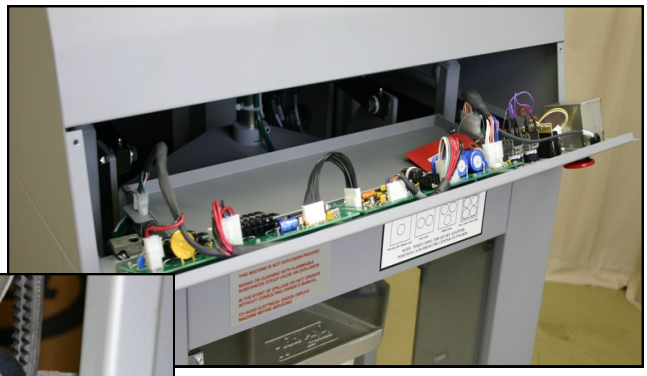
HERO

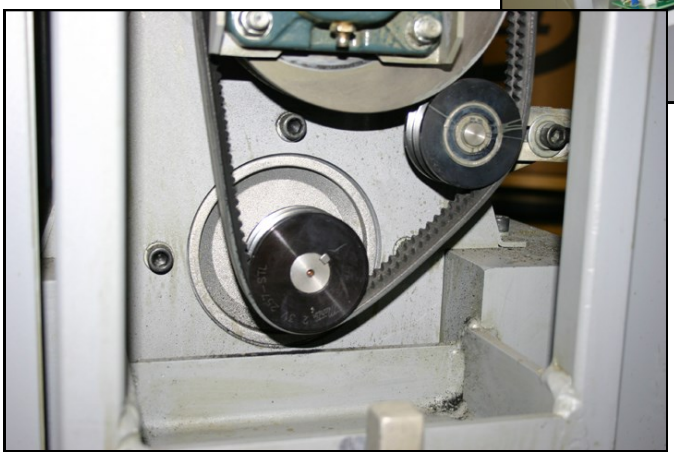
INNOVATIVE COLOR TECHNOLOGY

S2700
MEGA MIX
MULTI -SHAKER

QPR

(QUICK PARTS REFERENCE GUIDE)





PARTS DETAIL

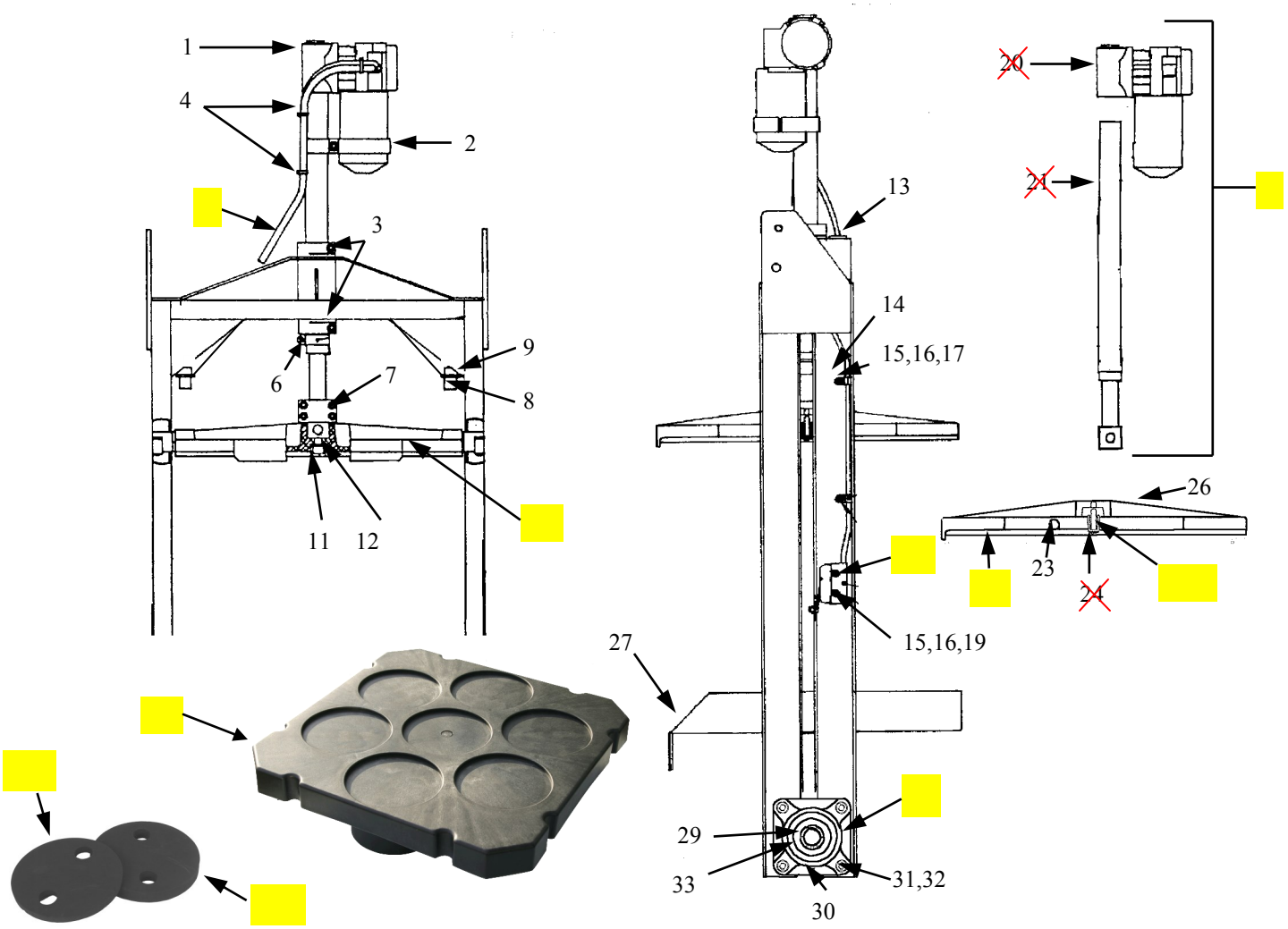


Figure 1.1 - Can Shelf Assembly

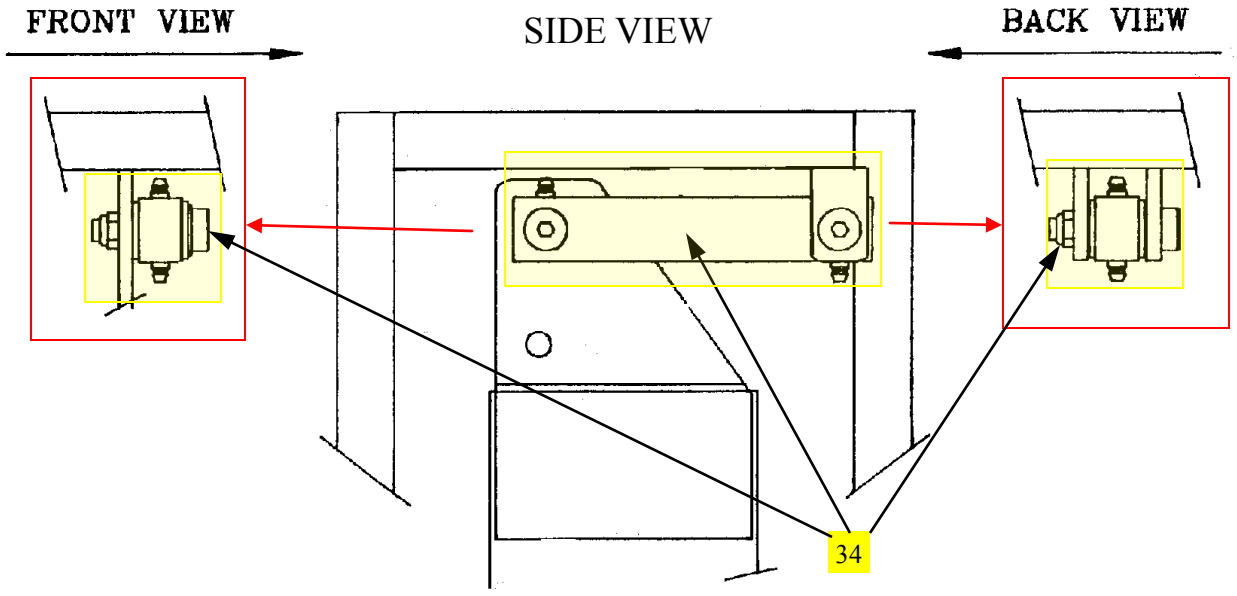


Figure 1.2 - Control Arm Assembly

REF #	PART #	DESCRIPTION	QTY
1	**HL1101-A14-LC**	**ACTUATOR ASSY*W/INSRT/WSR/BOLT/UPDATD SPRG(AFT SN 2176) 2700**	**1**
1	HL1101-A14	ACTUATOR ASSY * WINSERT/WSR/BOLT BEFORE S/N 2177 S2700	1
2	HL1101-A45	ACTUATOR MOTOR CLAMP ASSY * W/FRONT & REAR CLAMPS/HDWE S2700	1
3	HW1018	CAPSCREW * SKT HD 1/4NC X 3/4 GR8 (S)	2
4	HL1101-138	TIE * CABLE 8 IN S2700/5000	1
5	HL1101-A55	ACTUATOR MOTOR CABLE ASSY * BEF SN 1814 S2700	
5	**HL1101-A55-UL**	**ACTUATOR MOTOR CABLE ASSY * AFT SN 1814 & BEF 0308-2544 S2700**	**1**
5	**HL1101-A59-UL**	**ACTUATOR MOTOR CABLE ASSY * AFT SN 0308-2543**	**1**
6	HL1101-A10	ACTUATOR GROUNDING CLAMP ASSEMBLY * S2700	1
7	HL1101-A44	ACTUATOR TUBE CLAMP ASSY KIT *W/CLAMP/WSRS/BMPRS/WRENCH 2700	1
8	HL1101-350	WASHER * ALUMINUM FOR OLD STYLE QUART ADAPTER S2700/321	2
9	HL1101-232	BUMPER * RUBBER VIBRATION MOUNT/PRESSURE PLT S2700/321	2
10	**HL1101-A28**	**PRESSURE PLATE ASSEMBLY * W/RUBBER PAD & GUIDES S2700**	**1**
11	HW10837	CAPSCREW * SKT HD 3/8NC X 1 GR8 (WAS 1101-213)	1
12	HW5063P	WASHER * LOCK 3/8 REGULAR PLTD (WAS HL473-59)	1
13	HL1101-126	GROMMET * 3/8 ID X 7/8 OD S2700/321	1
14	HL1101-223	CLAMP * CABLE 1/4 IN NYLON S2700/S2400T/400 (WAS 473-80)	2
15	HW5006P	WASHER * FLAT #6 SAE PLTD (WAS 473-130, 1101-136)	4
16	HW50055P	WASHER * LOCK #6 PLTD (WAS 473-131)	5
17	HW30067P	SCREW * MACHINE 6-32 X 5/16 PAN HD PHIL PL W/INTERNAL SEM	2
18	**HL1101-A63**	**CAN LIMIT SWITCH ASSEMBLY * USED ON CAN SHELF S2700**	**1**
~~19~~	~~HW30109P~~	~~SCREW * MACHINE 6-32 X 1PAN HD PHIL PLTD W/ENT SEM(1101-265)~~	~~2~~
~~20~~	~~HL1101-A81~~	~~ACTUATOR MOTOR ASSEMBLY~~	~~1~~
~~21~~	~~HL1101-A79~~	~~ACTUATOR TUBE ASSEMBLY, BEFORE S/N 2177~~	~~1~~
21	HL1101-A79L	ACTUATOR TUBE ASSEMBLY, AFTER S/N 2177	1
22	**HL1101-118**	**PAD * RUBBER FOR PRESSURE PLATE S2700**	**1**
	HL1101-122	ADHESIVE * RUBBER PAD S2700	1
~~24~~	~~HW30397P~~	~~SCREW 10-32 X 3/8", (NOT AVAILABLE) SEE REF # 25A~~	~~2~~
25	HL1101-3034	PRESSURE PLATE TANG SPRINGS, (NOT AVAILABLE) SEE REF # 25A)	2
25A	**HL1101-3032**	**PRESSURE PLATE TANG SLEEVE KIT * REPLACES 1101-3034 S2700**	**KIT**
26	HL1101-3033	PRESSURE PLATE ONLY * S2700	1
27	HL1101-A29	CAN SHELF ASSEMBLY * S2700	1
28	**HL1101-102**	**BEARING * FLANGE S2700**	**2**
29	HL1101-109	COLLAR * FLANGE BEARING SEALMASTER-BRAND ONLY (2-13A) S2700	1
29	HL1101-102-01	COLLAR * FOR FLANGE BEARING DODGE-BRAND ONLY S2700	1
30	HL1101-281	FITTING * GREASE FOR CONTROL ARM ASSY S2700	1
31	HW5062P	WASHER * INTERNAL LOCK 3/8 PLTD (WAS 1101-246, 497-216)	4
32	HW4049P	NUT * HEX THIN NYLON INSERT LOCK 3/8NC PLTD (WAS 1101-248)	4
33	HW30345	SCREW * MACHINE 8-32 X 5/8 CAP HD TORX (WAS 1101-110)	2
34	**HL1101-A74**	**CONTROL ARM S2700 KIT* UPGRADE/REPL W/INSTRUCT**	**2**
35	**HL1101-A50**	**ADAPTER * QUART & LITER MOLDED POLYPROPYLENE S2700**	**1**
35B	**HL1101-234**	**CAN PAD * TOP 1/2 IN S2700**	**ACCESSORY**
35C	**HL1101-235**	**CAN PAD * TOP 3/4 IN S2700**	**ACCESSORY**

Table 1.1 - Can Shelf Assembly Description

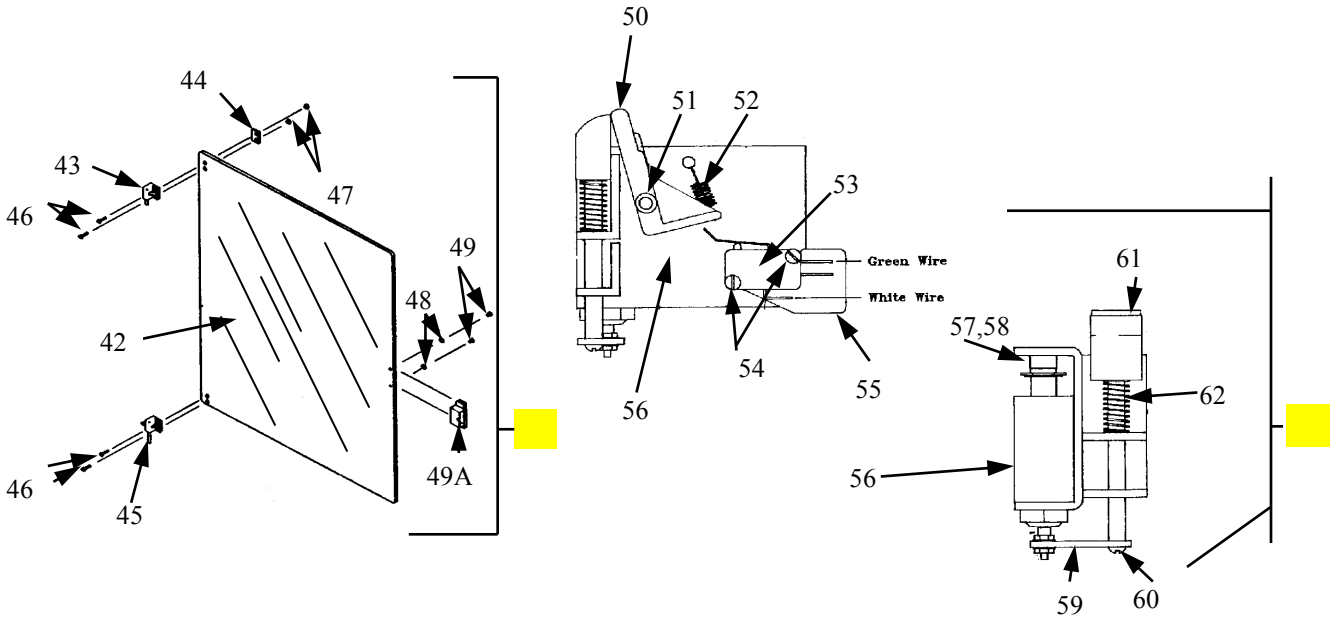


Figure 1.3 - Door & Door Lock Assembly

REF #	PART #	DESCRIPTION	QTY
41	**HL1101-A15**	**DOOR ASSY * W/HINGES & DOOR LOCK SHIELD LEXAN S2700**	**1**
42	HL1101-3008	DOOR ONLY * LEXAN 1/4 X18-1/2 X22-1/8 2700	1
43	HL1101-A20	UPPER HINGE PIN ASSEMBLY * W/SPACER FOR DOOR ASSY S2700	1
44	HL1101-4010	BACK PLATE * FOR DOOR HINGE UPPER OR LOWER S2700	1
45	HL1101-A21	LOWER HINGE PIN ASSEMBLY * FOR DOOR ASSY S2700	1
46	HW30076P	SCREW *MACHINE 6-32 X 5/8 PAN HD PHIL INTERNAL SEM PLTD (WAS 1101-276	1
47	HW40085P	NUT * HEX JAM 6-32 NYLON INSERT LOCK PLTD (WAS 1101-259)	2
48	HW5005P	WASHER * INTERNAL LOCK #6 PLTD (WAS 473-177, 1101-269)	2
49	HW30066P	SCREW * MACHINE 6-32 X 1/4 RD HD SL PL (WAS 473-75,1101-254)	2
49A	HL1101-4014	SHIELD * DOOR LOCK FOR 1101-A15 S2700	1
50	HL1101-3053	LEVER * DOOR SWITCH S2700	1
51	68	E RING * PISTON (WAS 1101-141, 442-13)	1
52	HL1101-4051	SPRING * DOOR LOCK SWITCH LEVER S2700	1
53	HL1101-A75	SWITCH * FOR DOOR LOCK W/ROLLER W/JUMPER 2700 BEF 0308-2544	1
54	HW3005P	SCREW * MACHINE 4-40 X 5/8 PAN HD PHIL PLTD (WAS 473-47,1101-151)	2
55	HL442-60	PAPER * INSULATING SAFETY & P SWITCHES 442/ALL S2400/S2700	4
56	HL1101-112	SOLENOID * W/HEX NUT LESS CONNECTOR S2700	5
57	HL1101-300	BUMPER * SOLENOID FOR DOOR LOCK ASSY S2700	2
58	HW30041P	SCREW * MACHINE 4-40 X 3/16 PAN HD SL PLTD (WAS 1101-301)	1
59	HL1101-4063	LINK * DOOR LOCK S2700	2
60	HW30052P	SCREW * MACHINE 6-32 X3/8 PAN PH W/INTSEM PL (WAS 1101-150)	1
61	HL1101-A33	PLUNGER ASSEMBLY * FOR DOOR LOCK ASSY S2700	1
62	HL442-11	SPRING *442 & 278 INLET PLUNGER/S2700 &S2500 SOLENOID	1
63	**HL1101-A69**	**DOOR LOCK ASSY *W/CABLE TIES S2700 AFT 04/02/08)**	**1**

Table 1.2 - Door & Door Lock Assembly Description

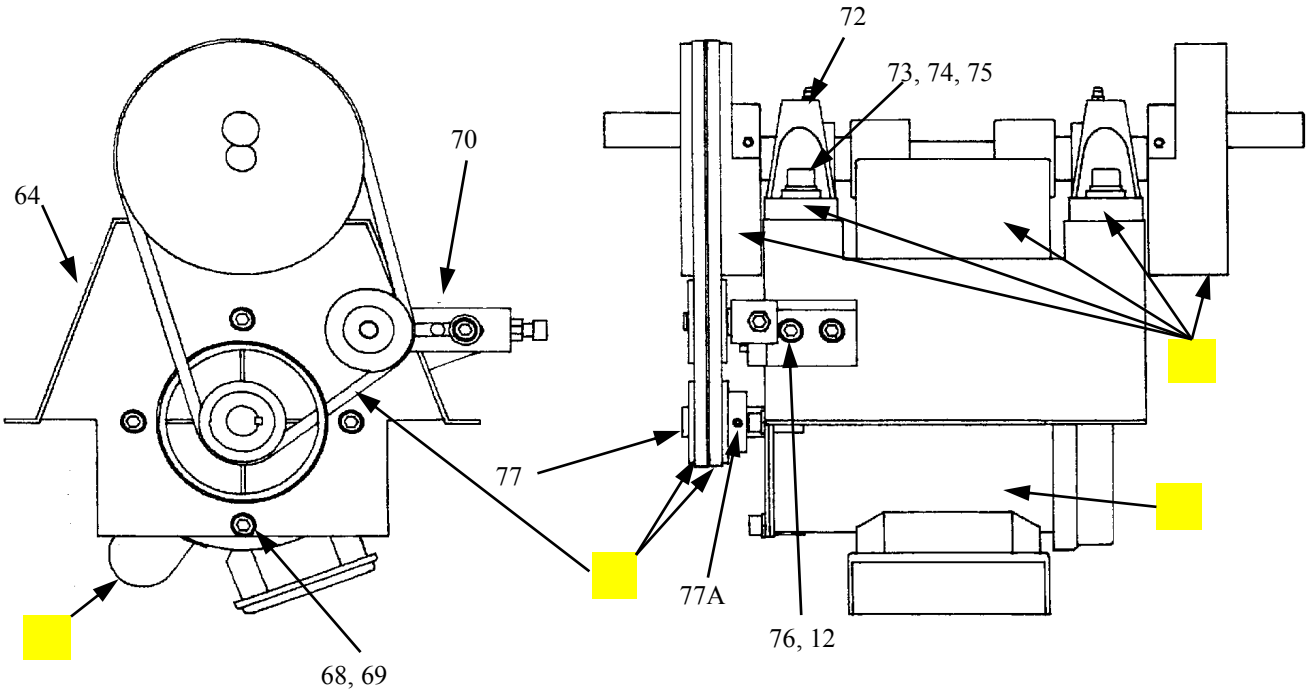
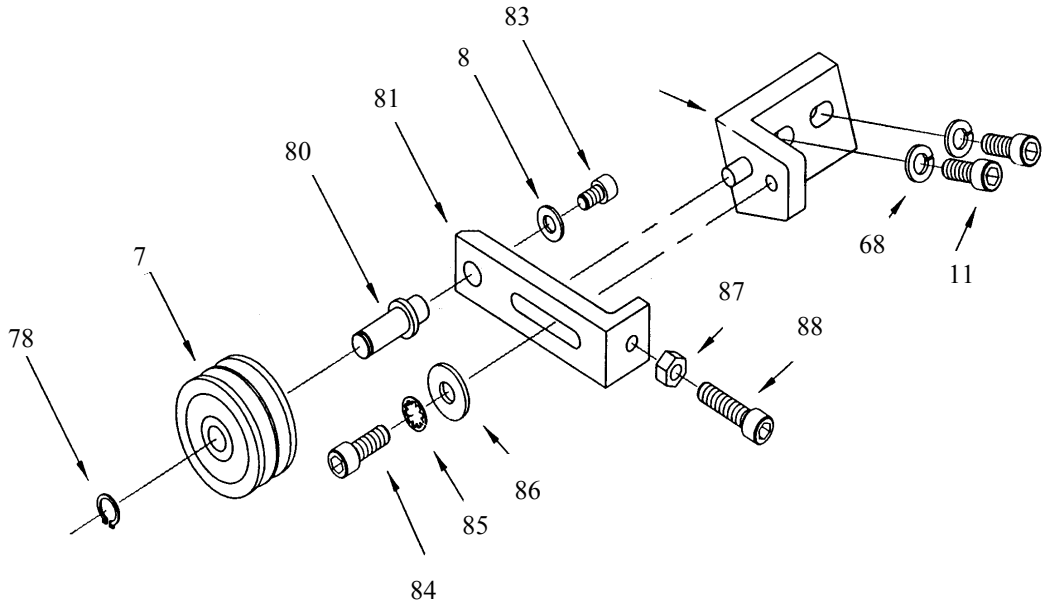


Figure 1.4 - Crank shaft Assembly

REF #	PART #	DESCRIPTION	QTY
	HL1101-A40	**MOTOR/MOTOR BRIDGE/COUNTERW'T ASSY * NO IDLER/BELT 110V 2700**	**ASSEMBLY**
64	HL1101-A82	MOTOR BRIDGE ASSEMBLY * W/LABEL C-FACE AFTER S/N 1969 S2700	1
	HL1101-A5	MOTOR BRIDGE ASSEMBLY * BEFORE S/N 1970 ONLY S2700	1
65	**HL1101-A61**	**COUNTERWEIGHT ASSEMBLY * S2700**	**1**
66	**HL1101-159**	**MOTOR * 3/4 HP UNWIRED C-FACE 110/220 AFT S/N 1970 S2700**	**1**
~~HL1101-101~~	~~**DISCONTINUED** (110V MOTOR BEFORE S/N 1970)~~	~~1~~	
67	**HL1101-309**	**CAPACITOR * MOTOR S2700 BLUFTON MOTOR**	**1**
68	HW5063P	WASHER * LOCK 3/8 REGULAR PLTD (WAS HL473-59)	6
69	HW10833	CAPSCREW * SKT HD 3/8NC X 3/4 GR8 (WAS 1101-212)	1
70	HL1101-A41	IDLER PULLEY ASSEMBLY * 110/220V S2700	1
71	**HL1101-104-315**	**V BELT * SUPER HC (MUST BE GATES BRAND)**	**2**
72	HL1101-103	BEARING * PILLOW BLOCK LEFT SIDE ONLY S2700	2
72	HL1101-103-R	BEARING * PILLOW BLOCK RIGHT SIDE ONLY S2700	
73	HW11005	CAPSCREW * SKT HD 1/2NC X 1-3/4 GR8 (WAS 1101-249)	4
74	HW5094P	WASHER * LOCK 1/2 PLTD (WAS 1101-250)	4
75	HW5093P	WASHER * FLAT 1/2 SAE THRU-HARD HI STRENGTH YELLOW ZINC (WAS	1
76	HW10837	CAPSCREW * SKT HD 3/8NC X 1 GR8 (WAS 1101-213)	1
77	HL1101-4040	PULLEY * MOTOR 110 V S2700	1
77	HL1101-135	PULLEY * MOTOR 220V 7/8 SHAFT PULLEY * MOTOR 220V S2700	1
77A	HW2009	SETSCREW * SKT HD 1/4NC X1/4 HOLO-KROME CUP PT(WAS 1101-310)	1

Table 1.3 - Crankshaft Assembly Description



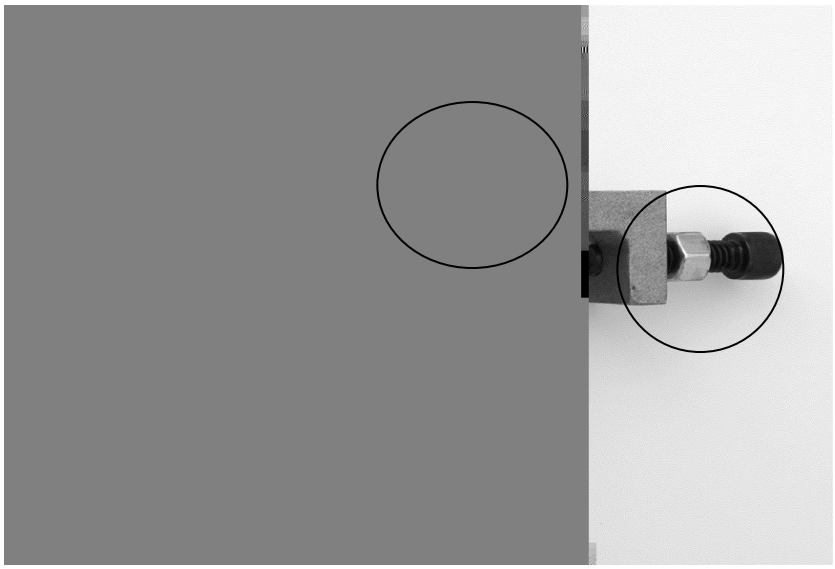


Figure 1.5 - Idler Pulley Assembly

REF #	PART #	DESCRIPTION	QTY
	HL1101-A41	**IDLER PULLEY ASSEMBLY, INCLUDES REF # 78 - 88**	**ASSEMBLY**
78	HL1101-264	RING * RETAINING EXTERNAL 1/2 IN IDLER PULLEY ARM ASSY S2700	1
79	HL1101-4033	PULLEY * IDLER W/BEARING 110/220V S2700	1
80	HL1101-4036	SHAFT * IDLER PULLEY S2700	2
81	HL1101-4039	ARM * IDLER PULLEY 110V S2700	1
82	HW50507P	WASHER * FLAT 5/16 HI STRENGTH PLTD (WAS 1101-147)	6
83	HW1051	CAPSCREW * SKT HD 5/16NC X 1/2 GR8 (WAS 1101-145)	1
84	HW1084	CAPSCREW * SKT HD 3/8NC X 1-1/4 GR8 (WAS 1101-214)	1
85	HW5062P	WASHER * INTERNAL LOCK 3/8 PLTD (WAS 1101-246, 497-216)	2
86	HW50545P	WASHER * FLAT 3/8 USS PLTD (WAS 1101-298)	2
87	HW4052P	NUT * HEX 3/8NC PLTD (WAS 1101-247, 497-223))	4
88	HW10848	CAPSCREW * SKT HD 3/8NC X 1-1/2 GR8 (WAS 1101-228)	4

Table 1.4 - Idler Pulley Assembly Description

REF #	PART #	DESCRIPTION	QTY
89	**HL1101-A16**	**TRANSFORMER & RELAY CABI ASSY*W/CMPNTS&WIRG 110V 2700**	**1**
90	HL1101-A65	FUSE HOLDER ASSEMBLY * FOR TRANSF & RELAY CAB W/CAP S2700	1
91	HL1101-A71	GROUND CABLE ASSEMBLY * FOR OPERATING PANEL S2700	1
92	HL1101-126	GROMMET * 3/8 ID X 7/8 OD S2700/321	1
93	**HL1101-20**	**POWER TRANSFORMER ASSY * 110V INPUT W/WIRING S2700**	**1**
94	**HL1101-44**	**RELAY * POWER CONTACTOR 2 POLE 30A 50/60HZ 110/220V S2700**	**1**
95	HL1101-45	FUSE * TYPE 3AG 3A 250V S2700	1
96	HL100-2929-STD-9	PLUG * SIGNAL SOCKET 9 PIN SQUARE FLANGE S2700	1
97	HL100-2929-REV-4	PLUG * SIGNAL SOCKET SQUARE FLANGE 4 PIN S2700/321	1
98	HL100-2930-REV	PLUG * POWER SQUARE FLANGE 17-3 REV 3 SOCKET S2700/321	1
99	HL100-2930-STD	PLUG * POWER SQUARE FLANGE 17-3 STD SEX 3 PIN S2700/5000	1
100	HL1101-3039	COVER * TRANSFORMER & RELAY CABINET S2700	1
101	HL1101-3037	TRANSFORMER & RELAY CAB * LESS PROTECTIVE TUBING S2700	1
102	HW30052P	SCREW * MACHINE 6-32 X3/8 PAN PH W/INTSEM PL (WAS 1101-150)	2
103	HW5033P	WASHER * INTERNAL LOCK 1/4 PLTD (WAS 442-1001, 1101-241)	2
104	HW40085P	NUT * HEX JAM 6-32 NYLON INSERT LOCK PLTD (WAS 1101-259)	15

Table 1.5 - Control Cabinet Assembly Description

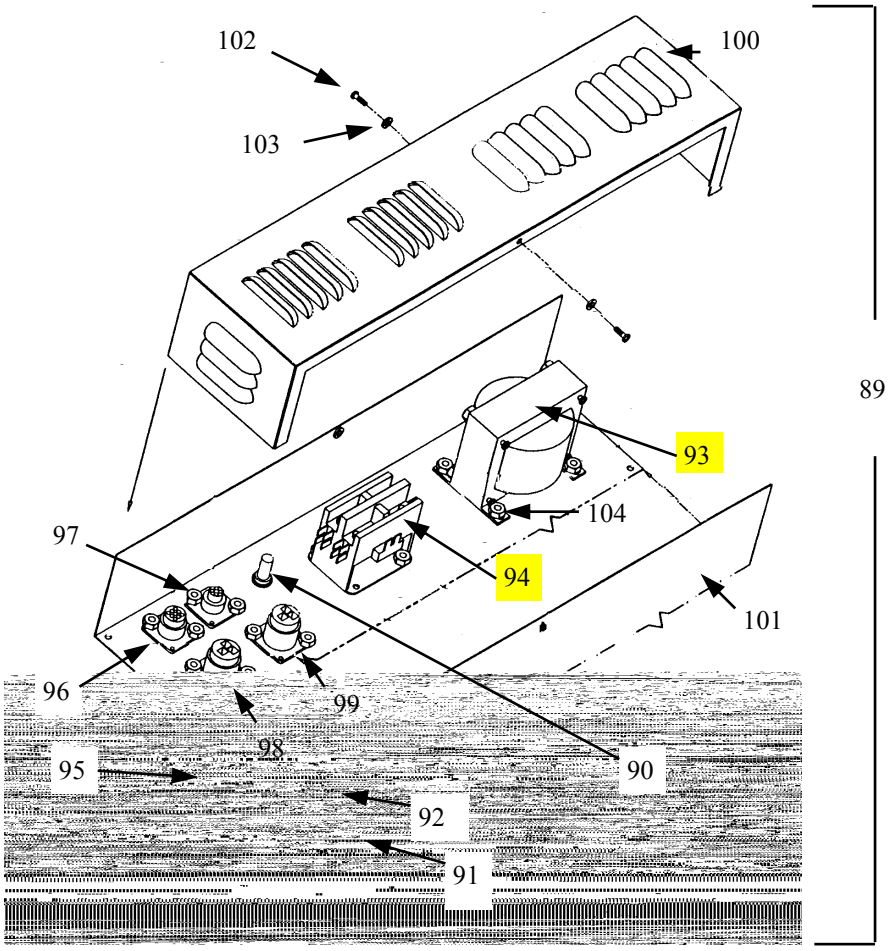
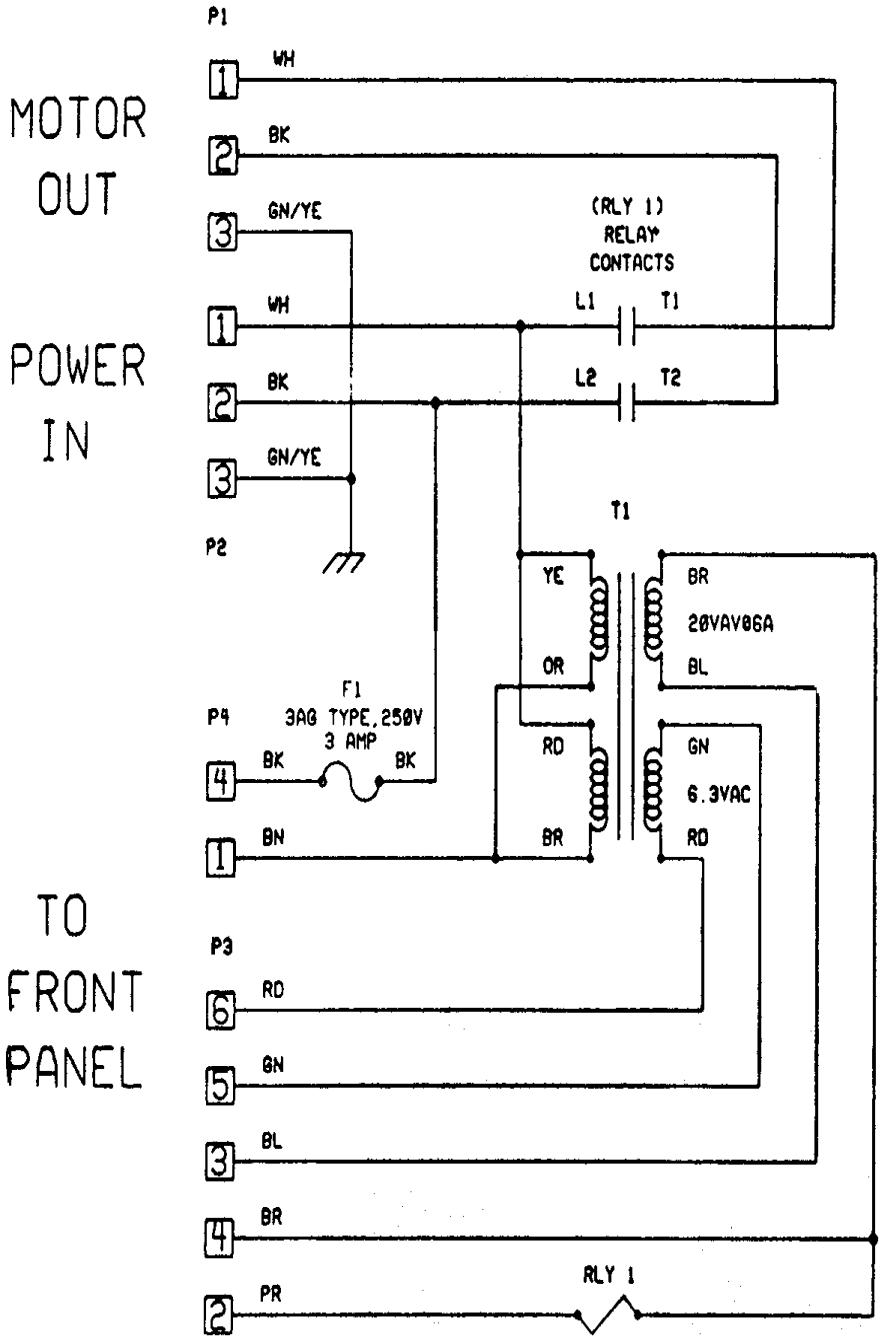


Figure 1.6 - Control Cabinet Assembly

REF #	PART #	DESCRIPTION	QTY
136	**HL1101-A13**	**OPERATING PANEL ASSY * W/ALL ELECTRONICS AND WIRING S2700**	**1**
136a	HL1101-A38	PANEL * OPERATING NO ELECTRONICS OR WIRING 2700	1
137	**HL1101-A85**	**PUSH BUTTON SWITCH ASSY * RED STOP W/BULB S2700**	**1**
138	**HL1101-A84**	**PUSH BUTTON SWITCH ASSY * GREEN START W/BULB S2700**	**1**
139	HL1101-46	LAMP * INDICATOR 5VDC CM7333 FOR PUSH BUTTON SWITCH S2700	2
140	HL1101-115	LEGEND * "STOP" DECAL S2700	1
141	HL1101-115-01	LEGEND * "START" DECAL S2700	1
150	HL1101-39	TIMER PUSHWHEEL SWITCH ASSY * DECIMAL (1 OF 10) S2700	1
151	**HL1101-A93**	**EMERGENCY STOP BUTTON ASSY * W/BUTTON & CONT BLCK S2700**	**1**
152	HW30382P	SCREW * MACHINE 10-32 X 1/4 PAN HD (WAS 473-49)	2
~~153~~	~~HL1101-331~~	~~COVER * EMERGENCY STOP S2700 (WAS PAINTED METAL NOW SS)~~	~~1~~
~~154~~	~~HW40085P~~	~~NUT * HEX JAM 6-32 NYLON INSERT LOCK PLTD (WAS 1101-259)~~	~~2~~
~~155~~	~~HL1101-43~~	~~SWITCH * CONTACT BLOCK FOR EMERGY STOP BUTTON 2700/321~~	~~1~~
156	HL1101-A51	INTERFACE CABLE ASSEMBLY * BEFORE S/N 1815 S2700	1
157	HL1101-A51-UL	INTERFACE CABLE ASSEMBLY * AFTER S/N 1814 S2700	1
158	HL1101-A52	DC CABLE ASSEMBLY * BEFORE S/N 1815 S2700	1
159	HL1101-A52-UL	D C CABLE ASSEMBLY* AFTER S/N 1814 S2700	1
160	HL1101-A53	PC JUMPER CABLE ASSEMBLY * S2700	1
161	HL1101-A58	FRONT PANEL CABLE ASSY * W/SWITCH CONTACT BLOCKS S2700	1
162	HL1101-A66	GROUND WIRE ASSEMBLY * DUAL WIRE S2700	1
163	**HL1101-A992**	**ACTUATOR PC BOARD ASSEMBLY * S2700**	**1**
164	**HL1101-A990**	**POWER SUPPLY/LOGIC PC BOARD ASSEMBLY * S2700**	**1**

Table 1.7 - Front Panel And Wiring Description



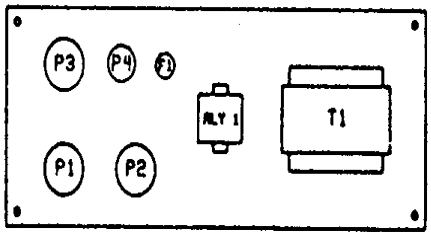


Figure 1.9 - Wiring Schematic