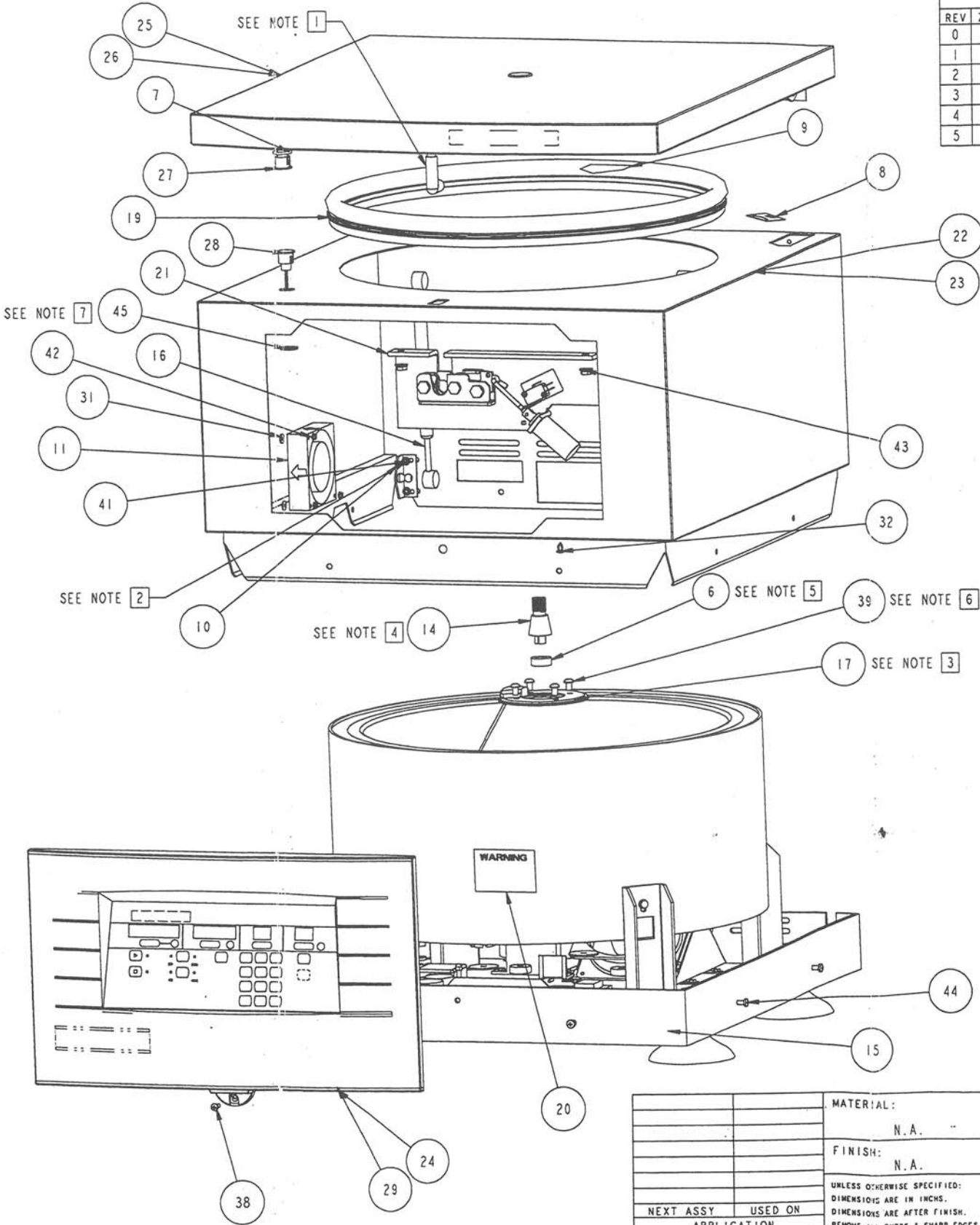


THIS DRAWING IS CONFIDENTIAL, THE PROPERTY OF I.E.C., AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN CONSENT OF THE OWNER.

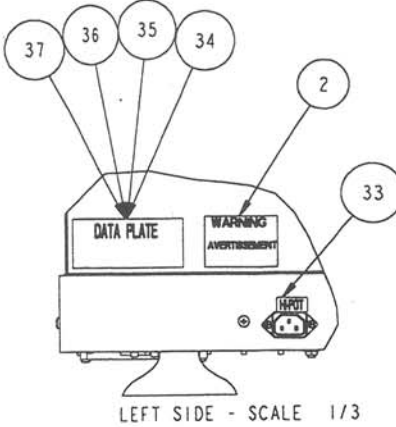
ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	01787	WRENCH	PART	NOT SHOWN
2	1	41170	LABEL, HIGH LEAKAGE	PART	6460(C) ONLY
3	1	43177	LINE CORD	PART	NOT SHOWN; 6459(C) ONLY
4	1	43312	POWER CORD, INT'L	PART	NOT SHOWN; 6460(C) ONLY
5	1	47114	ROTOR LOCKING NUT	PART	NOT SHOWN
6	1	48621	SPLIT CLAMP (#0-5825)	PART	SEE NOTE [5]
7	1	48680	.75 O-RING, .103 DIA.	PART	
8	1	48704	LABEL, ROTATION (CCW)	PART	
9	1	50011	LABEL, CAUTION	PART	PLACE ON UNDERSIDE OF COVER
10	2	50909	BRACKET, UPPER, GAS SPRING, CL3/3R	PART	10-32 X 3/16 WHIZ LOCK; 10-32 WHIZ NUT
11	1	50915	FAN, PCB COOLING	PART	INSTALL FAN BLOWING OUT, 8-32 WHIZ NUT
12	1	50976	LOGIC/DISPLAY HARNESS, CL3(R)	PART	NOT SHOWN
13	1	51029	PCB FAN HARNESS, FISHER	PART	NOT SHOWN
14	1	51052	3L(R) SHAFT ADAPTER, FISHER	PART	SEE NOTE [4]
15	1	51060	3L BASE ASSY, FISHER	ASSEMBLY	
16	2	51062	3L(R) GAS SPRING W/ END FITTINGS, FISHER	PART	PLACE IN UNIT AS SHOWN
17	1	51067	ROTOR RECOGNITION SUB-ASSEMBLY	ASSEMBLY	1/4-20 X 250 WHIZ LOCK; SEE NOTE [3]
18	1	51236	COVER SWITCH HARNESS	PART	NOT SHOWN
19	1	65594	CABINET/COVER GASKET	PART	5 FEET
20	1	65598	LABEL, WARNING	PART	ATTACH TO CONTAINMENT RING ABOVE POWER BOARD
21	1	50929A	LATCH ASSEMBLY	ASSEMBLY	5/16-18 WHIZ NUT
22	1	51012A	3L CABINET, FISHER	PART	6459 & 6460 ONLY
23	1	51012B	3L CABINET, FISHER	PART	6459C & 6460C ONLY
24	1	51040C	BEZEL ASSEMBLY, FISHER	ASSEMBLY	6459 & 6460 ONLY
25	1	51042A	3L COVER ASSY, FISHER	ASSEMBLY	6459 & 6460 ONLY
26	1	51042C	3L COVER ASSY, IEC	ASSEMBLY	6459C & 6460C ONLY
27	1	51064-1	PROXIMITY SENSOR ASSY, MAGNET	PART	
28	1	51064-2	PROXIMITY SENSOR ASSY, SWITCH	PART	
29	1	51081A	BEZEL ASSEMBLY, IEC	ASSEMBLY	6459C & 6460C ONLY
30	1	66005A	LABEL, CE MARKING	PART	PLACE ON CARTON; 6460(C) ONLY, NOT SHOWN
31	3	COML	.43700 X .15610 X .062THK NEOPRENE WASHER	PART	PLACE BETWEEN FAN AND CABINET
32	1	COML	ARROW CLIP, HEYCO 0301	PART	TIE RELEASE STRING TO EYE OF CLIP
33	1	COML	HI-POT SAFETY TEST LABEL	PART	
34	1	COML/66003DW	DATA PLATE LABEL	PART	6460 ONLY
35	1	COML/66003DT	DATA PLATE LABEL	PART	6460C ONLY
36	1	COML/66015G	CSA-NRTL/C DATA PLATE	PART	6459 ONLY
37	1	COML/66015H	CSA-NRTL/C DATA PLATE	PART	6459C ONLY
38	1	H110118	8-32 X .500 PAN HEAD PHIL, SS	PART	
39	4	H124108	1/4-20 X .375 ROUND HD PHIL, SS	PART	
40	11	H183313	10-32 X .375 WHIZ LOCK, ZN	PART	NOT SHOWN
41	4	H302301	WHIZ LOCK NUT 10-32, ZN	PART	
42	3	H302302	WHIZ LOCK NUT 8-32, ZN	PART	
43	2	H302702	WHIZ LOCK NUT 5/16-18, ZN	PART	
44	9	H555008	STAKE FASTENER, S10F6CPL09GT	PART	
45	1	H855800	.75 DIAMETER INTERNAL LOCKING RETAINING CLIP	PART	
46	1	OM6459	MARATHON 3000(R) OPERATORS MANUAL	BULK ITEM	NOT SHOWN; 6459 & 6460 ONLY
47	1	OM6459C	IEC 3000(R) OPERATORS MANUAL	PART	NOT SHOWN; 6459C & 6460C ONLY
48	2	P0109	CORNER BLOCK, WOOD	PART	NOT SHOWN
49	1	P0111	SKID, PALLET	PART	NOT SHOWN
50	1	P0110A	CARTON	PART	NOT SHOWN; 6459C & 6460C ONLY
51	1	P0110B	CARTON	PART	NOT SHOWN; 6459 & 6460 ONLY
52	8	PK101	PLASTIC PROTECTIVE CORNER	PART	NOT SHOWN

NOTES:

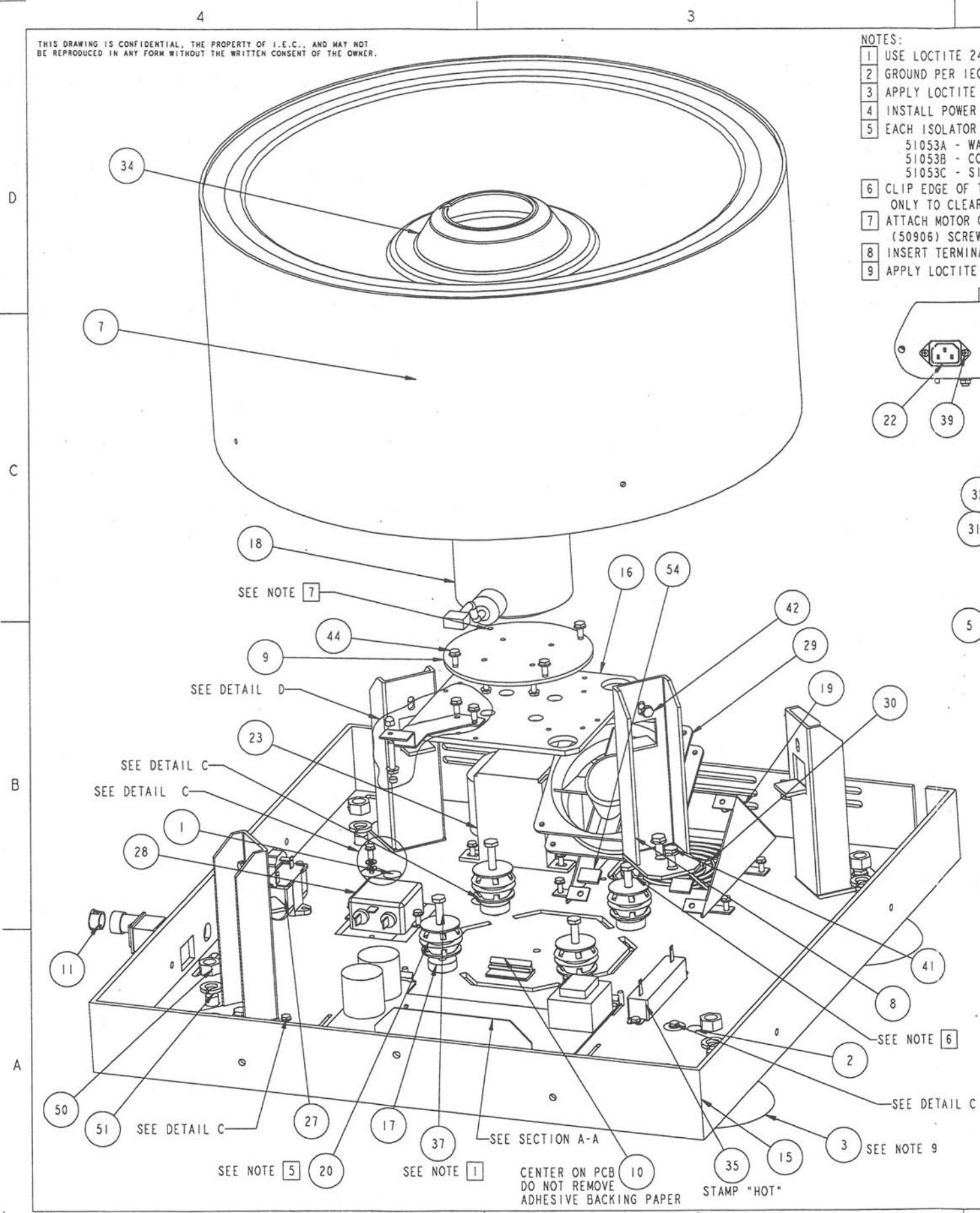
- APPLY LOCTITE 242 TO STRIKE THREADS AFTER ADJUSTED TO PROPER HEIGHT OF CLOSURE.
- APPLY LOCTITE 272 TO WHIZ LOCK USED ON GAS SPRING BRACKETS.
- ORIENT ROTOR RECOGNITION ASSEMBLY SO THAT CABLE FALLS TO LEFT SIDE OF MOTOR.
- DO NOT INSTALL SHAFT ADAPTER UNTIL IT HAS BEEN SHIMMED TO PROPER HEIGHT IN ACCORDANCE WITH MPS6459.
- REPLACE EXISTING CAP SCREW WITH HARDENED 6-32 X .44 SOCKET HEAD CAP SCREW (SST 17-4PH)#H135103.
- APPLY LOCTITE 592 TO SCREWS USED TO FASTEN ROTOR RECOGNITION HOOD.
- RETAINING CLIP TO BE INSTALLED INSIDE OF CABINET TO HOLD PROXIMITY SWITCH SECURELY



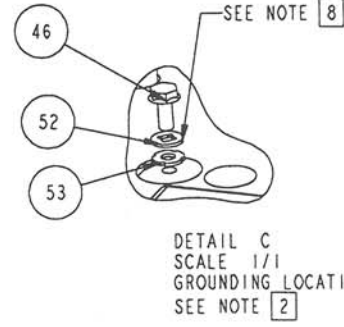
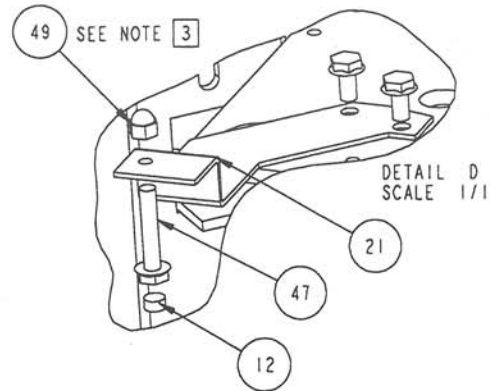
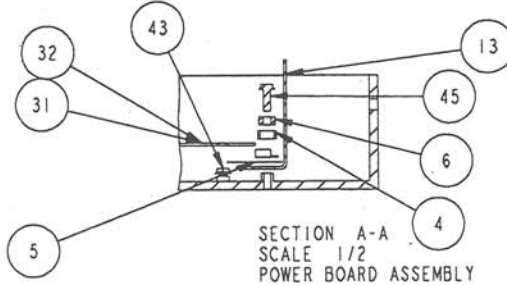
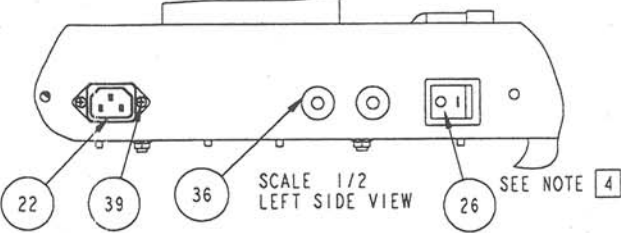
REVISIONS						
REV	ZONE	BY	DATE	ECO	APP'D	DATE
0	-	KMM	11/16/97	4308	CI	11/24/97
1	-	KMM	2/12/98	4378	CI	2/13/98
2	-	KMM	5/26/98	4521	CI	6/1/98
3	-	KMM	8/31/98	4702	CI	9/3/98
4	-	PL	10/1/98	4737	CI	10/9/98
5	-	KMM	2/1/99	4872	CI	2/8/99



MATERIAL:				PARTS LIST, SEE PL:			
N.A.				INTERNATIONAL EQUIPMENT CO.			
FINISH:				TITLE:			
N.A.				MARATHON 3000			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS ARE AFTER FINISH. REMOVE ALL BURRS & SHARP EDGES. SURFACE QUALITY				SIZE:	CODE 10. NO.	DRAWING NO.	REV.
NEXT ASSY USED ON				D		6459	5
APPLICATION				SCALE: 1/3			
BY	DATE	TOLERANCE:		PRO-E			
KMM	11/16/97	2 PLACE DEC. 3 PLACE DEC. ANGLES		SHEET 1 OF 1			
CHECKED	CI	.02 .005 1/2					
APPROVED	CI	11/24/97					



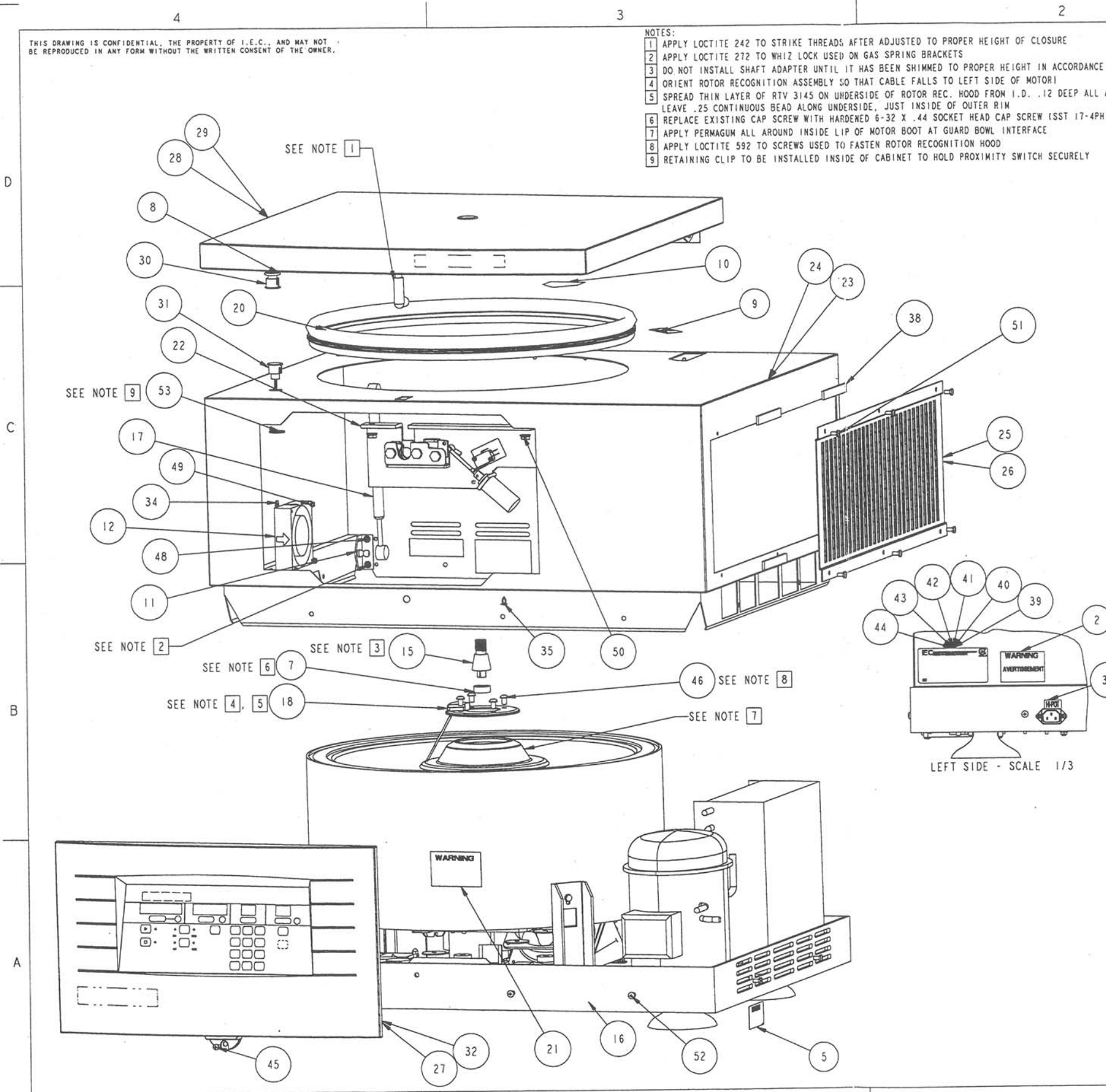
- NOTES:
- 1 USE LOCTITE 242 ON NUTS ATTACHING ISOLATORS TO BASE, MOTOR SUPPORT PLATE, AND SUPPORTS
 - 2 GROUND PER IEC SPEC. 35573, 4 PLCS
 - 3 APPLY LOCTITE 272 TO ACORN NUT THREADS
 - 4 INSTALL POWER SWITCH (55418) SO THAT OPEN CIRCLE TOWARDS BACK OF UNIT
 - 5 EACH ISOLATOR MOUNT (51053) CONSISTS OF
 - 51053A - WASHERS(2)
 - 51053B - CORE
 - 51053C - SILICONE MOUNT
 - 6 CLIP EDGE OF TOP MOTOR ISOLATOR WASHER, .25 DEEP, RIGHT REAR ISOLATOR ONLY TO CLEAR FAN SHROUD
 - 7 ATTACH MOTOR GROUND WIRE TO LEFT REAR MOTOR ADAPTER PLATE (50906) SCREW
 - 8 INSERT TERMINAL EYE BETWEEN LOCK WASHERS
 - 9 APPLY LOCTITE 271 ON SUCTION CUP THREADS WHEN ATTACHING NUTS.



REVISIONS						
REV	ZONE	BY	DATE	ECO	APP'D	DATE
0	-	KMM	9/24/97	4308	CI	11/24/97
1	-	KMM	1/14/98	4317	CI	1/27/98
2	-	KMM	2/11/98	4378	CI	2/13/98
3	-	KMM	8/20/98	4691	CI	9/16/98
4	-	PL	9/23/98	4737	CI	10/8/98
5	-	KMM	1/6/99	4828	CI	1/13/99

ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	50127	LABEL PROTECTIVE EARTH GROUND SYMBOL	PART	NON-PARAMETRIC
2	3	50128	LABEL SECONDARY CHASSIS GROUND SYMBOL	PART	NON-PARAMETRIC
3	4	50141	SUCTION CUP FOOT	PART	7/16-14 JAM NUT W/ LOCK WASHER
4	1	50533	INSULATION PAD	PART	SEE SECTION A-A
5	1	50534	SILPAD, PCB	PART	SEE SECTION A-A
6	1	50620	CLAMP BAR	PART	8-32 X 500 WHIZ LOCK, SEE SECTION A-A
7	1	50664	3L GUARD BOWL SUB-ASSEMBLY	ASSEMBLY	10-32 X 500 WHIZ LOCK
8	4	50692	GUARD BOWL SUPPORT STAND	PART	1/4-20 X 500 WHIZ LOCK
9	1	50906	ADAPTER PLATE, MOTOR, CL3/3R	PART	10-32 X 500 WHIZ LOCK
10	3	50917	SUPPORT, PCB	PART	
11	1	50928	HOLE PLUG	PART	6459 & 6459C ONLY
12	1	50935	MAGNET, IMBALANCE	PART	
13	1	50936	HEATSINK	PART	SEE SECTION A-A
14	1	50952	BRAKE RESISTOR HARNESS	PART	NOT SHOWN
15	1	51008	3L BASE, FISHER	PART	
16	1	51033	3L(R) MOTOR SUPPORT PLATE, FISHER	PART	
17	4	51034	3L(R) ISOLATOR SUPPORTS, FISHER	PART	
18	1	51035	MOTOR, BRUSHLESS DC, FISHER 3L(R)	PART	8-32 X 375 WHIZ LOCK
19	1	51046	3L(R) MOTOR COOLING FAN INTAKE SHROUD	PART	8-32 X 375 WHIZ LOCK; .75 X .50 FOAM PADS
20	4	51053	HI-TEMP ISOLATOR MOUNT	ASSEMBLY	1/4-20 X 1750 HEX HEAD; 1/4-20 WHIZ NUT
21	1	51055	3L(R) IMBALANCE BRACKET, FISHER	PART	10-32 X 375 WHIZ LOCK
22	1	51063	POWER ENTRY MODULE	PART	6/32 X 375 FLAT HEAD PHIL
23	1	51065	TRANSFORMER 120/200/230 7 AMP	PART	8-32 X 375 WHIZ LOCK, 6460 & 6460C ONLY
24	1	51074	MAIN HARNESS, FISHER	PART	NOT SHOWN
25	1	51075	POWER HARNESS, FISHER	PART	NOT SHOWN
26	1	55418	POWER SWITCH	PART	
27	1	60611	CAPACITOR ASSY	PART	8-32 X 375 WHIZ LOCK; 6460 & 6460C ONLY
28	1	62607	LINE FILTER - 20 AMPS	PART	8-32 X 375 WHIZ LOCK
29	1	65485	FAN (TUBE AXIAL)	PART	8-32 X 375 SELF TAPPING; FAN BLOWS IN
30	1	65508	MUFFIN FAN GUARD	PART	8-32 X 500 PAN HEAD PHIL
31	1	444788	POWER BOARD ASSY	PART	8-32 X 250 WHIZ LOCK, 6460 & 6460C ONLY
32	1	444780	POWER BOARD ASSY	PART	8-32 X 250 WHIZ LOCK; 6459 & 6459C ONLY
33	1	50605C	GROUND WIRE	PART	NOT SHOWN; MOTOR ADAPTER PLATE TO BASE
34	1	50902B	MOTOR BOOT	PART	
35	1	60430-A	MOTOR BRAKE RESISTOR	PART	8-32 X 375 WHIZ LOCK
36	2	62717D	CIRCUIT BREAKER - 15 AMP	PART	1 ON 6459 & 6459C, 2 ON 6460 & 6460C
37	4	H103118	1/4-20 X 1.750 HEX HEAD, SS	PART	
38	4	H110118	8-32 X .500 PAN HEAD PHIL, SS	PART	NOT SHOWN
39	2	H119105	6-32 X 375 FLAT HEAD	PART	
40	2	H170000	8-32 X .375 SELF TAPPING B, SS	PART	NOT SHOWN
41	8	H183305	1/4-20 X .500 WHIZ LOCK, ZN	PART	
42	4	H183307	10-32 X .500 WHIZ LOCK, ZN	PART	
43	2	H183312	8-32 X .250 WHIZ LOCK, ZN	PART	
44	6	H183313	10-32 X .375 WHIZ LOCK, ZN	PART	
45	4	H183317	8-32 X .500 WHIZ LOCK, ZN	PART	
46	20	H183318	8-32 X .375 WHIZ LOCK, ZN	PART	
47	1	H183350	10-32 X 1.00 WHIZ LOCK, ZN	PART	
48	4	H302701	WHIZ LOCK NUT 1/4-20, ZN	PART	NOT SHOWN, SEE NOTE 1
49	1	H305101	ACORN NUT 10X32, SS	PART	
50	4	H339001	7/16-14 HEX NUT	PART	
51	4	H410301	7/16 LOCK WASHER SPLIT, ZN	PART	
52	4	H424103	#8 INTERNAL LOCK WASHER, SS	PART	
53	4	H425101	#8 EXTERNAL LOCK WASHER, SS	PART	
54	2	H887801	DOUBLE SIDED FOAM TAPE, 1/2 X 1/8 THK	PART	CUT .75 X .50 PIECES AND ATTACH TO FAN SHROUD

NEXT ASSY USED ON APPLICATION		MATERIAL: N.A.		PARTS LIST. SEE PL:	
BY KMM DATE 9/24/97		FINISH: N.A.		INTERNATIONAL EQUIPMENT CO.	
CHECKED		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS ARE AFTER FINISH. REMOVE ALL BURRS & SHARP EDGES. SURFACE QUALITY		TITLE: 3L BASE ASSY, FISHER	
APPROVED		TOLERANCES 2 PLACE DEC. 3 PLACE DEC. ANGLES 1/2		SIZE: CODE ID. NO. DRAWING NO. 51060 REV. 5	
				SCALE: 1/2 PRO-E SHEET 1 OF 1	



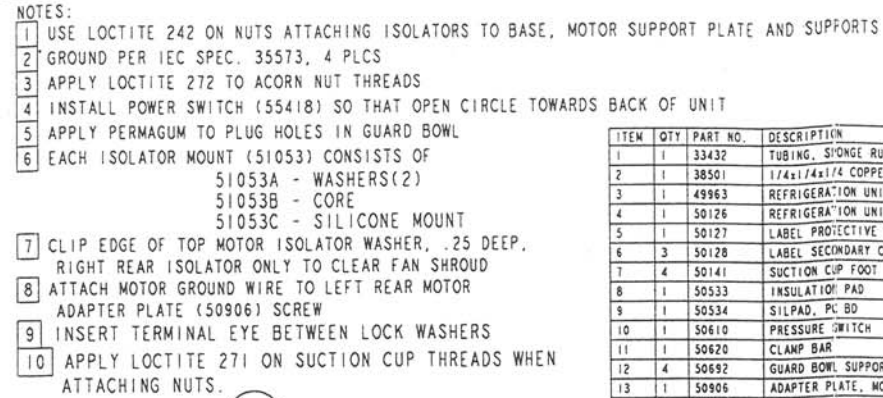
- NOTES:
- 1 APPLY LOCTITE 242 TO STRIKE THREADS AFTER ADJUSTED TO PROPER HEIGHT OF CLOSURE
 - 2 APPLY LOCTITE 272 TO WHIZ LOCK USED ON GAS SPRING BRACKETS
 - 3 DO NOT INSTALL SHAFT ADAPTER UNTIL IT HAS BEEN SHIMMED TO PROPER HEIGHT IN ACCORDANCE WITH MPS6459
 - 4 ORIENT ROTOR RECOGNITION ASSEMBLY SO THAT CABLE FALLS TO LEFT SIDE OF MOTOR!
 - 5 SPREAD THIN LAYER OF RTV 3145 ON UNDERSIDE OF ROTOR REC. HOOD FROM I.D. .12 DEEP ALL AROUND; LEAVE .25 CONTINUOUS BEAD ALONG UNDERSIDE, JUST INSIDE OF OUTER RIM
 - 6 REPLACE EXISTING CAP SCREW WITH HARDENED 6-32 X .44 SOCKET HEAD CAP SCREW (SST 17-4PH) #H135103.
 - 7 APPLY PERMAGUM ALL AROUND INSIDE LIP OF MOTOR BOOT AT GUARD BOWL INTERFACE
 - 8 APPLY LOCTITE 592 TO SCREWS USED TO FASTEN ROTOR RECOGNITION HOOD
 - 9 RETAINING CLIP TO BE INSTALLED INSIDE OF CABINET TO HOLD PROXIMITY SWITCH SECURELY

REVISIONS						
REV	ZONE	BY	DATE	ECO	APP'D	DATE
2	-	KMM	5/26/98	4521	CI	6/1/98
3	-	KMM	8/31/98	4702	CI	9/3/98
4	-	PL	10/2/98	4737	CI	10/8/98
5	-	KMM	2/1/99	4872	CI	2/8/99

ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	01787	WRENCH	PART	NOT SHOWN
2	1	41170	LABEL, HIGH LEAKAGE	PART	6462(C) & 6463(C) ONLY
3	1	43177	LINE CORD	PART	NOT SHOWN, 6461(C) ONLY
4	1	43312	POWER CORD, INT'L	PART	NOT SHOWN, 6462(C) & 6463(C) ONLY
5	1	45996	LABEL, WARNING	PART	
6	1	47114	ROTOR LOCKING NUT	PART	NOT SHOWN
7	1	48621	SPLIT CLAMP (8D-5825)	PART	SEE NOTE 6
8	1	48680	.75 O-RING, .103 DIA.	PART	
9	1	48704	LABEL, ROTATION (CCW)	PART	
10	1	50011	LABEL, CAUTION	PART	PLACE ON UNDERSIDE OF COVER
11	2	50909	BRACKET, UPPER, GAS SPRING, CL3/3R	PART	10-32 X 3/5 WHIZ LOCK; 10-32 WHIZ NUT
12	1	50915	FAN, PCB COOLING	PART	INSTALL FAN BLOWING IN, 8-32 WHIZ NUT
13	1	50976	LOGIC/DISPLAY HARNESS, CL3(R)	PART	NOT SHOWN
14	1	51029	PCB FAN HARNESS, FISHER	PART	NOT SHOWN
15	1	51052	3L(R) SHAFT ADAPTER, FISHER	PART	SEE NOTE 3
16	1	51061	3LR BASE ASSY, FISHER	ASSEMBLY	
17	2	51062	3L(R) GAS SPRING W/ END FITTINGS, FISHER	PART	PLACE IN UNIT AS SHOWN
18	1	51067	ROTOR RECOGNITION SUB-ASSEMBLY	ASSEMBLY	1/4-20 X 250 WHIZ LOCK, SEE NOTE 4
19	1	51236	COVER SWITCH HARNESS	PART	NOT SHOWN
20	1	65594	CABINET/COVER GASKET	PART	5 FEET
21	1	65598	LABEL, WARNING	PART	ATTACH TO CONTAINMENT RING ABOVE POWER BOARD
22	1	50929A	LATCH ASSEMBLY	ASSEMBLY	5/16-18 WHIZ NUT
23	1	51013A	3LR CABINET, FISHER	PART	6461, 6462 & 6463 ONLY
24	1	51013B	3LR CABINET, FISHER	PART	6461C, 6462C & 6463C ONLY
25	1	51017A	3LR ACCESS PANEL, FISHER	PART	510F6CPL09GY STAKE FASTENER; 6461-6463 ONLY
26	1	51017B	3LR ACCESS PANEL, IEC	PART	510F6CPS06BG STAKE FASTENER; 6461C-6463C ONLY
27	1	51040D	BEZEL ASSEMBLY, FISHER	ASSEMBLY	6461, 6462 & 6463 ONLY
28	1	51042B	3LR COVER ASSY, FISHER	ASSEMBLY	10-32 X 3/5 WHIZ LOCK; 6461-6463 ONLY
29	1	51042D	3LR COVER ASSY, IEC	ASSEMBLY	10-32 X 3/5 WHIZ LOCK; 6461C-6463C ONLY
30	1	51064-1	PROXIMITY SENSOR ASSY, MAGNET	PART	
31	1	51064-2	PROXIMITY SENSOR ASSY, SWITCH	PART	
32	1	51081B	BEZEL ASSEMBLY, IEC	ASSEMBLY	6461C, 6462C & 6463C ONLY
33	1	66005A	LABEL, CE MARKING	PART	NOT SHOWN; PLACE ON CARTON; 6462(C) & 6463(C) ONLY
34	3	COML	.43700 X .15610 X .062THK NEOPRENE WASHER	PART	PLACE BETWEEN FAN AND CABINET
35	1	COML	ARROW CLIP, HEYCO 0301	PART	TIE RELEASE STRING TO EYE OF CLIP
36	1	COML	HI-POT SAFETY TEST LABEL	PART	
37	1	COML	PERMAGUM	BULK ITEM	NOT SHOWN
38	4	COML	SINGLE SIDED URETHANE FOAM TAPE, 1/2 X 1/8-THK	PART	PLACE BETWEEN CABINET AND ACCESS PANEL, 4 PLCS
39	1	COML/66014M	LABEL, DATA W/REFRIGERANT	PART	6462 ONLY
40	1	COML/66014N	LABEL, DATA W/REFRIGERANT	PART	6463 ONLY
41	1	COML/66014Q	LABEL, DATA W/REFRIGERANT	PART	6462C ONLY
42	1	COML/66014R	LABEL, DATA W/REFRIGERANT	PART	6463C ONLY
43	1	COML/66016E	DATA, LABEL CSA-NRTL/C W/REFRIGERANT	PART	6461 ONLY
44	1	COML/66016F	DATA, LABEL CSA-NRTL/C W/REFRIGERANT	PART	6461C ONLY
45	1	H11011B	8-32 X .500 PAN HEAD PHIL, SS	PART	
46	4	H12410B	1/4-20 X .375 ROUND HD PHIL, SS	PART	
47	4	H183313	10-32 X .375 WHIZ LOCK, 2N	PART	NOT SHOWN
48	4	H302301	WHIZ LOCK NUT 10-32, 2N	PART	
49	3	H302302	WHIZ LOCK NUT 8-32, 2N	PART	
50	2	H302702	WHIZ LOCK NUT 5/16-18, 2N	PART	
51	6	H555002	STAKE FASTENER, 510F6CPS06BG	PART	6461C, 6462C & 6463C ONLY
52	17	H555008	STAKE FASTENER, 510F6CPL09GY	PART	
53	1	H855800	.75 DIAMETER INTERNAL LOCKING RETAINING CLIP	PART	
54	1	OM6459	MARATHON 3000(R) OPERATORS MANUAL	BULK ITEM	NOT SHOWN; 6461, 6462 & 6463 ONLY
55	1	OM6459C	IEC 3000(R) OPERATORS MANUAL	PART	NOT SHOWN; 6461C, 6462C, & 6463C ONLY
56	2	P0109	CORNER BLOCK, WOOD	PART	NOT SHOWN
57	1	P0111	SK10, PALLET	PART	NOT SHOWN
58	1	P0110A	CARTON	PART	NOT SHOWN; 6461C, 6462C & 6463C ONLY
59	1	P0110B	CARTON	PART	NOT SHOWN; 6461, 6462 & 6463 ONLY
60	8	PK101	PLASTIC PROTECTIVE CORNER	PART	NOT SHOWN

MATERIAL:		N.A.	
FINISH:		N.A.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS ARE AFTER FINISH. REMOVE ALL BURRS & SHARP EDGES. SURFACE QUALITY ✓		TOLERANCES: 2 PLACE DEC. 3 PLACE DEC. ANGLES ±.02 ±.005 ±1/2	
NEXT ASSY USED ON		APPLICATION	
BY KMM		DATE 11/10/97	
DRAWN		CHECKED	
APPROVED			
SCALE: 1/3		PRO-E SHEET 1 OF 1	

PARTS LIST. SEE PL:			
INTERNATIONAL EQUIPMENT CO.			
TITLE: MARATHON 3000R			
SIZE	CODE ID. NO.	DRAWING NO.	REV.
D		6461	5



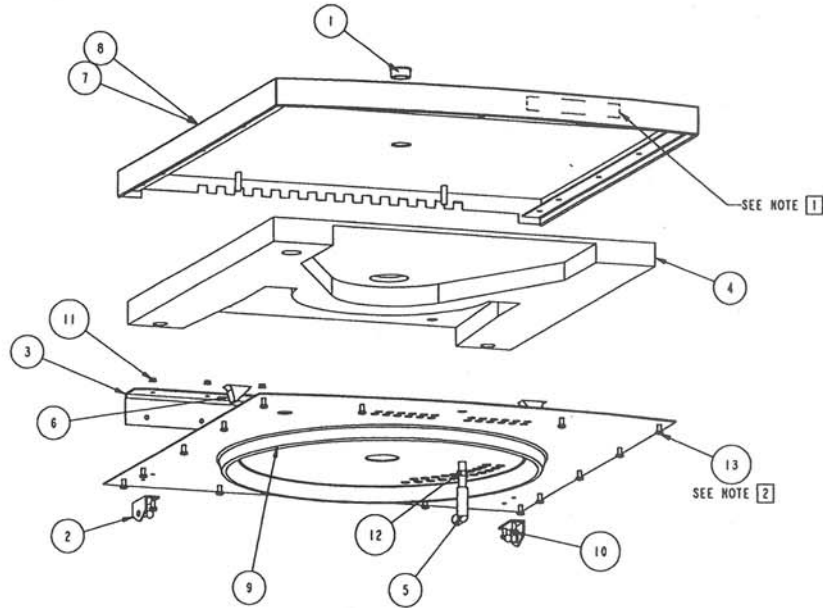
ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	33432	TUBING, STONGE RUBBER	PART	NOT SHOWN, 2.5 FT AROUND REFRIG. TUBING
2	1	38501	1/4x1/4x1/4 COPPER TEE	PART	NOT SHOWN
3	1	49963	REFRIGERATION UNIT 120V	ASSEMBLY	6461 & 6461C ONLY; 1/4-20 X 750 WHIZ LOCK
4	1	50126	REFRIGERATION UNIT, 230V/50HZ	ASSEMBLY	6462 & 6462C ONLY; 1/4-20 X 750 WHIZ LOCK
5	1	50127	LABEL PROTECTIVE EARTH GROUND SYMBOL	PART	
6	3	50128	LABEL SECONDARY CHASSIS GROUND SYMBOL	PART	
7	4	50141	SUCTION CUP FOOT	PART	7/16-14 JAN NUT W/ LOCK WASHER
8	1	50533	INSULATION PAD	PART	SEE SECTION A-A
9	1	50534	SILPAD, PC BD	PART	SEE SECTION A-A
10	1	50610	PRESSURE SWITCH	PART	NOT SHOWN
11	1	50620	CLAMP BAR	PART	8-32 X 500 WHIZ LOCK; SEE SECTION A-A
12	4	50692	GUARD BOWL SUPPORT STAND	PART	1/4-20 X 500 WHIZ LOCK
13	1	50906	ADAPTER PLATE, MOTOR, CL3/3R	PART	10-32 X 500 WHIZ LOCK
14	3	50917	SUPPORT, PCB	PART	
15	1	50928	HOLE PLUG	PART	6461 & 6461C ONLY
16	1	50935	MAGNET, IMBALANCE	PART	
17	1	50936	HEATSINK	PART	SEE SECTION A-A
18	1	50952	BRAKE RESISTOR HARNESS	PART	NOT SHOWN
19	1	51009	3LR BASE, FISHER	PART	
20	1	51033	3L(R) MOTOR SUPPORT PLATE, FISHER	PART	
21	4	51034	3L(R) ISOLATOR SUPPORTS, FISHER	PART	
22	1	51035	MOTOR, BRUSHLESS DC, FISHER 3L(R)	PART	8-32 X 375 WHIZ LOCK
23	1	51043	3LR GUARD BOWL ASSY, FISHER	ASSEMBLY	
24	1	51046	3L(R) MOTOR COOLING FAN INTAKE SHROUD	PART	8-32 X 375 WHIZ LOCK; .75 X .50 FOAM TAPE PADS
25	4	51053	HI-TEMP ISOLATOR MOUNT	ASSEMBLY	1/4-20 X 1750 HEX HEAD; 1/4-20 WHIZ NUT
26	1	51055	3L(R) IMBALANCE BRACKET, FISHER	PART	10-32 WHIZ LOCK
27	1	51063	POWER ENTRY MODULE	PART	6-32 X 375 FLAT HEAD PHIL
28	1	51065	TRANSFORMER 120/200/230 7 AMP	PART	8-32 X 375 WHIZ LOCK; 6462(C) & 6463(C) ONLY
29	1	51068	REFRIGERATION TUBING	PART	
30	1	51074	MAIN HARNESS, FISHER	PART	NOT SHOWN
31	1	51075	POWER HARNESS, FISHER	PART	NOT SHOWN
32	1	51076	COMPRESSOR HARNESS, FISHER	PART	NOT SHOWN
33	1	55418	POWER SWITCH	PART	
34	1	60611	CAPACITOR ASSY	PART	8-32 X 375 WHIZ LOCK, 6462 & 6462C ONLY
35	1	62607	LINE FILTER - 20 AMPS	PART	8-32 X 375 WHIZ LOCK
36	1	65485	FAN (TUBE AXIAL)	PART	8-32 X 375 SELF TAPPING; FAN BLOWS IN
37	1	65508	MUFFIN FAN GUARD	PART	8-32 X 500 PAN HEAD PHIL
38	1	65595	REFRIGERATION UNIT, 220V/60HZ	ASSEMBLY	6463 & 6463C ONLY; 1/4-20 X 750 WHIZ LOCK
39	1	65692	TEMPERATURE SENSOR	PART	NOT SHOWN, INSERT .50 IN GROMMET IN 50938
40	1	444788	POWER BOARD ASSY	PART	8-32 X 250 WHIZ LOCK; 6462(C) & 6463(C) ONLY
41	1	444780	POWER BOARD ASSY	PART	8-32 X 250 WHIZ LOCK; 6461 & 6461C ONLY
42	1	505976	SOLID STATE RELAY	PART	8-32 X 375 WHIZ LOCK
43	1	50605C	GROUND WIRE	PART	NOT SHOWN
44	1	509028	MOTOR BOOT	PART	
45	1	60430-A	MOTOR BRAKE RESISTOR	PART	8-32 X 375 WHIZ LOCK
46	2	627170	CIRCUIT BREAKER - 15 AMP	PART	1 ON 6461(C), 2 ON 6462(C) & 6463(C)
47	1	COML	AMP #360035-1	BULK ITEM	NOT SHOWN
48	1	COML	PERMAGUN	BULK ITEM	SEE NOTE 5, NOT SHOWN
49	4	H103118	1/4-20 X 1.750 HEX HEAD, SS	PART	
50	4	H110118	8-32 X .500 PAN HEAD PHIL, SS	PART	NOT SHOWN
51	2	H119105	6-32 X 375 FLAT HEAD	PART	
52	2	H170000	8-32 X .375 SELF TAPPING B, SS	PART	NOT SHOWN
53	4	H183304	1/4-20 X .750 WHIZ LOCK, ZN	PART	
54	8	H183305	1/4-20 X .500 WHIZ LOCK, ZN	PART	
55	4	H183307	10-32 X .500 WHIZ LOCK, ZN	PART	
56	2	H183312	8-32 X .250 WHIZ LOCK, ZN	PART	
57	6	H183313	10-32 X .375 WHIZ LOCK, ZN	PART	
58	4	H183317	8-32 X .100 WHIZ LOCK, ZN	PART	
59	22	H183318	8-32 X .375 WHIZ LOCK, ZN	PART	
60	1	H183350	10-32 X 1.00 WHIZ LOCK, ZN	PART	
61	4	H302701	WHIZ LOCK NUT 1/4-20, ZN	PART	SEE NOTE 11, NOT SHOWN
62	1	H305101	ACORN NUT 10X32, SS	PART	
63	4	H339001	7/16-14 HEX NUT	PART	
64	4	H410301	7/16 LOCK WASHER SPLIT, ZN	PART	
65	4	H424103	#8 INTERNAL LOCK WASHER, SS	PART	
66	4	H425101	#8 EXTERNAL LOCK WASHER, SS	PART	
67	1	H880900	SINGLE SIDED VINYL FOAM TAPE, 3/4X1/8	PART	APPLY TO TOP OF GUARD BOWL AND LOCTITE SEAM
68	2	H887801	DOUBLE SIDED FOAM TAPE, 1/2 X 1/8 THK	PART	CUT .75 X .50 PIECES AND ATTACH TO FAN SHROUD

		MATERIAL:		PARTS LIST. SEE PL:			
				INTERNATIONAL EQUIPMENT CO.			
		FINISH:		TITLE:			
		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHS. DIMENSIONS ARE AFTER FINISH. REMOVE ALL BURRS & SHARP EDGES. SURFACE QUALITY ✓		3LR BASE ASSY, FISHER			
NEXT ASSY USED ON				SIZE:	CODE ID. NO.	DRAWING NO.	REV.
APPLICATION				D		51061	5
	BY	DATE	TOLERANCES				
DRAWN	KMM	11/12/97	2 PLACE DEC. 3 PLACE DEC. ANGLES				
CHECKED			±.02 ±.005 ±1/2				
APPROVED				SCALE: 1/2	PRO-E	SHEET 1 OF 1	

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51042A & 51042C - VENTILATED COVER

ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	48116	VIEWPORT, HEYCO#1312	PART	
2	2	50909	BRACKET, UPPER, GAS SPRING, CL3/3R	PART	10-32 X 375 WHIZ LOCK
3	1	51014	3L(R) PIANO HINGE, FISHER	PART	
4	1	51020	3L AIR BAFFLE, FISHER	PART	ADHESIVE SIDE ATTACHES TO COVER (51005)
5	1	51024	LATCH STRIKE, FISHER	PART	5/16-24 HEX NUT
6	2	65302	INSULATION TAPE, VCT-1 1/8 X 2	PART	FILL DEPRESSION IN COVER LINER, .04 ROLLS, 2 PLCS
7	1	51003A	3L COVER, FISHER	PART	USE ON 6459 & 6460 ONLY
8	1	51003C	3L(R) COVER, FISHER	PART	USE ON 6459C & 6460C ONLY
9	1	51005A	3L COVER LINER, FISHER	PART	
10	4	H183313	10-32 X .375 WHIZ LOCK, ZN	PART	
11	7	H302301	WHIZ LOCK NUT 10-32, ZN	PART	
12	1	H303024	HEX NUT 5/16-24, SS	PART	
13	14	H555002	STAKE FASTENER, S10F6CPS06BG	PART	USE LOCTITE 242 ON THREADS, SEE NOTE 2



NOTES:

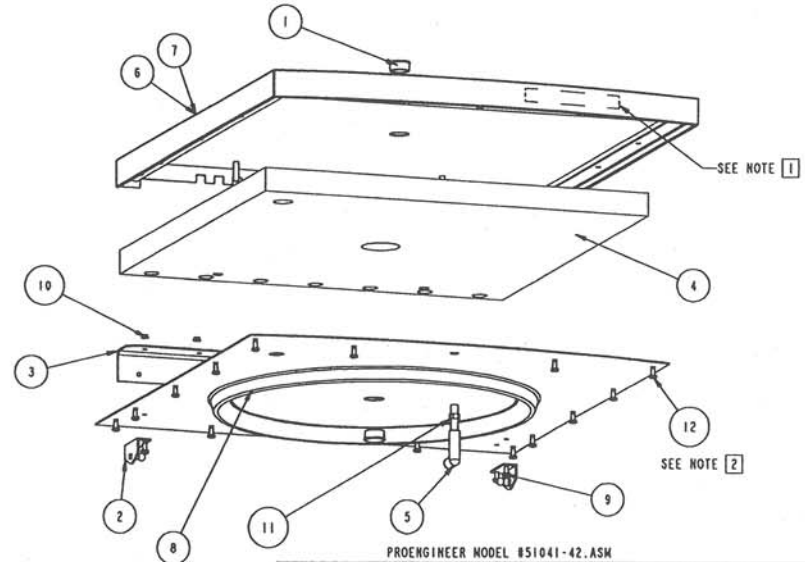
- 1 51042A SHOULD READ MARATHON 3000; 51042B SHOULD READ MARATHON 3000R; 51042C & 51042D HAVE NO LOGO.
- 2 USE LOCTITE 242 ON ALL FASTENERS ATTACHING LINER (51005) TO COVER (51003)
- 3 HINGE TO BE ASSEMBLED AS SHOWN WITH DISTANCE FROM PIN TO HOLES GREATER ON BACK LEAF.

SEE NOTE 3
DETAIL / SECTION A-A
SCALE 1/1

REVISIONS					
REV	ZONE	BY	DATE	ECO	APP'D DATE
0	-	KWN	9/16/97	4338	CI 12/30/97
1	-	KWN	2/11/98	4378	CI 2/13/98
2	-	PL	1/20/99	4812	CI 2/8/99

51042B & 51042D - REFRIGERATED COVER

ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	2	48116	VIEWPORT, HEYCO#1312	PART	
2	2	50909	BRACKET, UPPER, GAS SPRING, CL3/3R	PART	10-32 X 375 WHIZ LOCK
3	1	51014	3L(R) PIANO HINGE, FISHER	PART	
4	1	51021	3LR COVER INSULATION, FISHER	PART	ADHESIVE SIDE ATTACHES TO COVER (51005)
5	1	51024	LATCH STRIKE, FISHER	PART	5/16-24 HEX NUT
6	1	51003B	3LR COVER, FISHER	PART	USE ON 6461 & 6462 & 6463 ONLY
7	1	51003C	3L(R) COVER, FISHER	PART	USE ON 6461C, 6462C & 6463C ONLY
8	1	51005B	3LR COVER LINER, FISHER	PART	
9	4	H183313	10-32 X .375 WHIZ LOCK, ZN	PART	
10	7	H302301	WHIZ LOCK NUT 10-32, ZN	PART	
11	1	H303024	HEX NUT 5/16-24, SS	PART	
12	14	H555002	STAKE FASTENER, S10F6CPS06BG	PART	USE LOCTITE 242 ON THREADS, SEE NOTE 2



PROENGINEER MODEL #51041-42.ASM

MATERIAL:		PARTS LIST, SEE PL:	
FINISH:		INTERNATIONAL EQUIPMENT CO.	
TITLE:		3L(R) COVER ASSEMBLY, FISHER	
SIZE: CODE 10, NO.		DRAWING NO.	
D		51042	
SCALE: 1/3		PRO-E	
SHEET 1 OF 1			

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REVISIONS						
REV	ZONE	BY	DATE	ECO	APP'D	DATE
A	-	KHM	4/4/97	4157	CI	9/4/97
0	-	KHM	9/13/97	4203	CI	9/16/97
1	-	KHM	11/11/97	4306	CI	11/13/97
2	-	KHM	2/11/98	4378	CI	2/13/98
3	-	KHM	4/2/98	4470	CI	4/3/98
4	-	PL	1/18/99	4872	CI	2/8/99

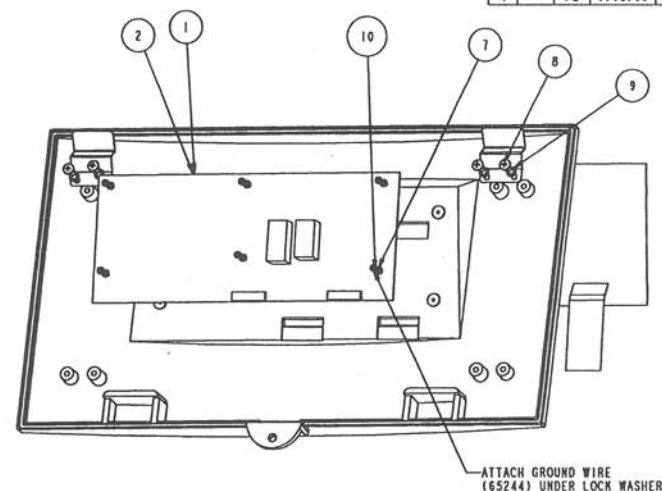
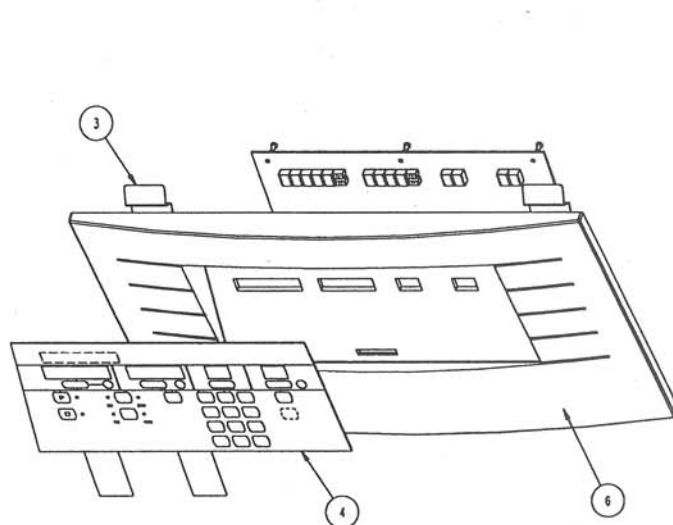


TABLE 1 - TABULATED BEZEL ASSEMBLY COMPONENTS

	51040A	51040B	51040C	51040D	51040E	51040F
DISPLAY/LOGIC BOARD	44480A	44480B	44480C	44480D	44491A	44491B
MEMBRANE PANEL	51001A	51001B	51001A	51001B	51001A	51001B

ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	44480	DISPLAY/LOGIC BOARD, FISHER	PART	4-40 X .25 PAN HEAD, #4 INT LOCK WASHER; SEE TABLE 1
2	1	44491	DISPLAY/LOGIC BOARD, FISHER	PART	4-40 X .25 PAN HEAD, #4 INT LOCK WASHER; SEE TABLE 1
3	2	50687	UPPER BEZEL BRACKET	PART	#10 X .375 SELF TAPPING SCREW W/ SPLIT LOCK WASHER
4	1	51001	MEMBRANE PANEL, FISHER	PART	SEE TABLE 1
5	1	65244	GROUND WIRE	PART	ATTACH TO LOWER RIGHT CORNER OF PCB, NOT SHOWN
6	1	51000A	BEZEL, FISHER	PART	SEE TABLE 1
7	6	H110133	4-40 X 1/4 PAN HEAD PHIL, SS	PART	
8	4	H170001	#10 X .375 SELF TAPPING PAN PHIL, TYPE A	PART	
9	4	H419106	#10 LOCK WASHER SPLIT, SS	PART	
10	6	H424011	#4 INTERNAL LOCK WASHER, SS	PART	

PROENGINEER MODEL # 51040.ASM			
MATERIAL:		PARTS LIST, SEE PL:	
FINISH:		INTERNATIONAL EQUIPMENT CO.	
TITLE:		BEZEL ASSEMBLY, FISHER	
SIZE:		CODE ID. NO.	DRAWING NO.
D		51040	REV. 4
SCALE: 1/2		PRO-E	SHEET 1 OF 1

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REVISIONS						
REV	ZONE	BY	DATE	ECO	APP'D	DATE
0	-	PL	1/19/99	4872	C1	2/8/99

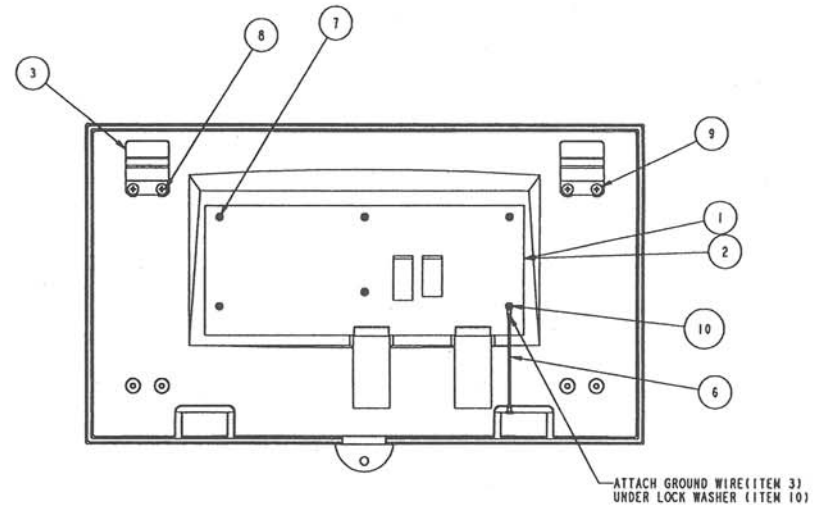
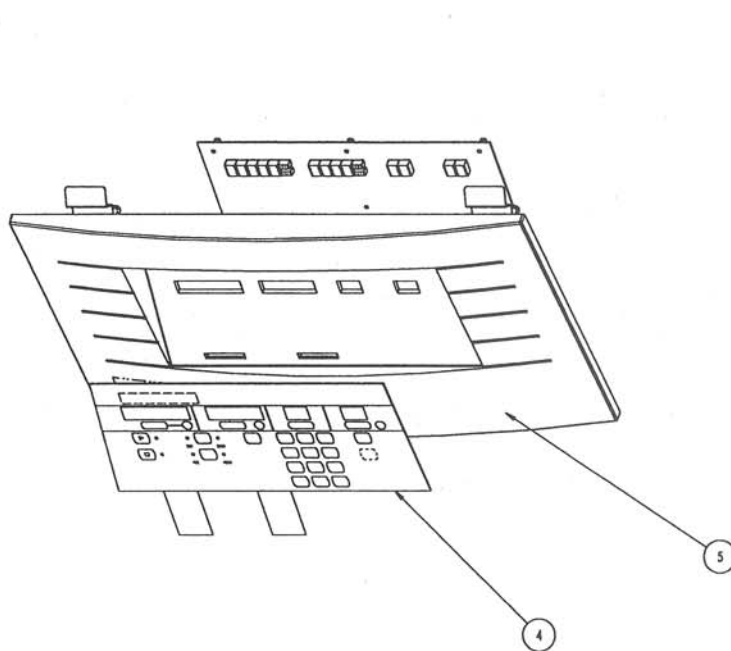


TABLE I - TABULATED BEZEL ASSEMBLY COMPONENTS

	51081A	51081B	51081C	51081D
DISPLAY/LOGIC BOARD	44480C	44480D	44491A	44491B
MEMBRANE PANEL	51001C	51001D	51001C	51001D
BEZEL	51080A	51080B	51080C	51080D

ITEM	QTY	PART NO.	DESCRIPTION	TYPE	REMARKS
1	1	44480	DISPLAY/LOGIC BOARD, FISHER	PART	4-40 X .25 PAN HEAD; #4 INT. LOCK WASHER; SEE TABLE I
2	1	44491	DISPLAY/LOGIC BOARD, FISHER	PART	4-40 X .25 PAN HEAD; #4 INT. LOCK WASHER; SEE TABLE I
3	2	50687	UPPER BEZEL BRACKET	PART	#10 X .375 SELF TAPPING SCREW W/ SPLIT LOCK WASHER
4	1	51001	MEMBRANE PANEL, FISHER	PART	SEE TABLE I
5	1	51080	BEZEL, IEC	PART	SEE TABLE I
6	1	65244	GROUND WIRE	PART	ATTACH TO LOWER RIGHT CORNER OF PCB
7	6	H110133	4-40 X 1/4 PAN HEAD PHIL, SS	PART	
8	4	H170001	#10 X .375 SELF TAPPING PAN PHIL, TYPE A	PART	
9	4	H419106	#10 LOCK WASHER SPLIT, SS	PART	
10	6	H424011	#4 INTERNAL LOCK WASHER, SS	PART	

PROENGINEER MODEL 51081.ASM

MATERIAL:		PARTS LIST. SEE PL:	
FINISH:		INTERNATIONAL EQUIPMENT CO.	
TOLERANCES SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS ARE AFTER FINISH. REMOVE ALL BURRS & SHARP EDGES. SURFACE QUALITY ✓		TITLE: BEZEL ASSY	
9130C-9130C	FISHER CANADA	SIZE CODE ID. NO.	DRAWING NO.
NEXT ASST	USED ON	D	51081
APPLICATION		REV.	0
DRAWN	BT DATE 1/19/99	SCALE: 1/2	
CHECKED	PL	PRO-E	
APPROVED		SHEET 1 OF 1	

