

MASTR[®] STATION BLOWER KITS OPTIONS 9547, 9548, 9550, 9562, FA01, FN1A, FA1N, FA1H, FA1L, FA1M

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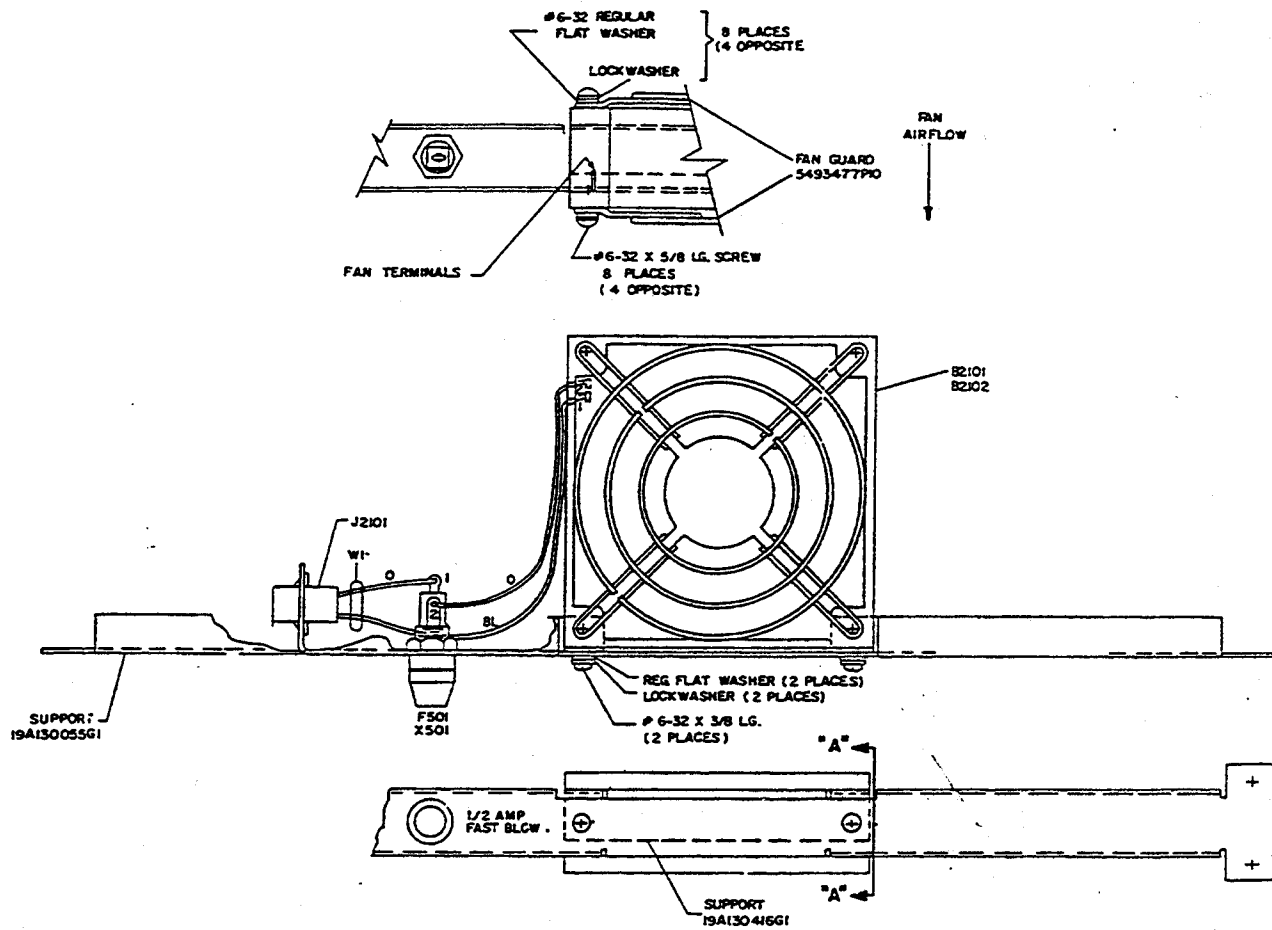
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DESCRIPTION

The Blower Kits listed in the following chart are either heatsink blowers for continuous duty stations or floor mount cabinet blowers.

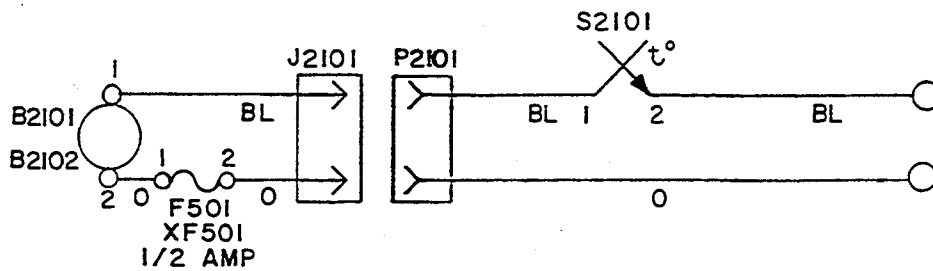
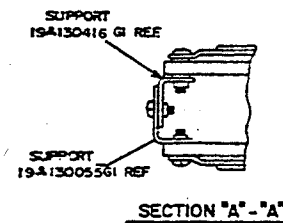
OPTION NUMBER	TYPE OF BLOWER	VOLTAGE	FAN ASSEMBLY	APPLICATION
9546	Heat Sink	121 VAC	19D417521G1&G4	Desk Mate 30" & 40" Floor Mount Continuous Duty Pole Mount Continuous Duty.
9547	Heat Sink	242 VAC	19D417521G2&G5	Desk Mate 30" & 44" Floor Mount Continuous Duty
9548	Heat Sink	242 VAC	Deletes 19D417521G1&G4 Adds 19D417521G2&G5	Pole Mount Continuous Duty
FA01 (9549)	Cabinet	121 VAC	19C320895G1&G4	Floor Mount

OPTION NUMBER	TYPE OF BLOWER	VOLTAGE	FAN ASSEMBLY	APPLICATION
9550	Cabinet	242 VAC	19C320895G2&G5	Floor Mount
9562	Cabinet	121 VAC	19C320895G3&G6	Floor Mount
STFN1A PSFN1A VPFN1A ARFN1A SCFN1A SXFN1A	Cabinet	121 VAC	19C320895G12	Floor Mount
STFA1N SCFA1N ARFA1N SXFA1N	Cabinet	12 Vdc	19C320895G13	Floor Mount
MSFA1H	Deep Cabinet	121 VAC	19C320895G14	Two Speed Floor Mount
STFA1L PSFA1L SCFA1L ARFA1L SXFA1L	Cabinet	242 VAC	19C320895G15	Two Speed Floor Mount
MSFA1M	Deep Cabinet	242 VAC	19C320895G16	Two Speed Floor Mount



CONNECTION CHART FOR W1		
WIRE	FAN TERMINAL	REMARKS
BL	B2101/B2102-1	NOTE 1
O	B2101/B2102-2	NOTE 1

NOTES:
1. SOLDER AND SLEEVE ALL ELECTRICAL CONNECTIONS



FAN ASSEMBLY
19D417521G1&G2

(19D423263, Rev. 1)
(19A130060, Rev. 3)

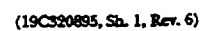
FAN ASSEMBLY
19D417521G1 120 VAC
19D417521G2 240 VAC

Issue 2

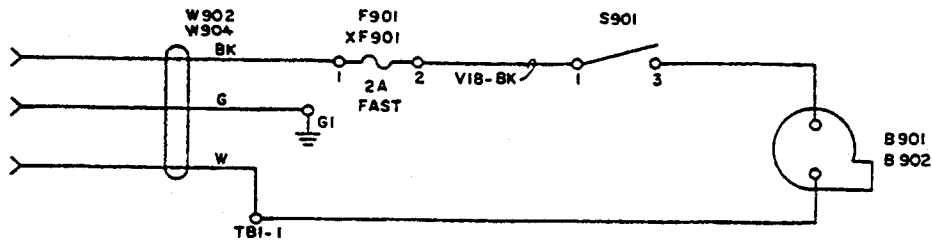
SYMBOL	PART NUMBER	DESCRIPTION
		----- MODULE -----
B2101	5493477P1	Fan assembly, single phase: 115 VAC, 60 Hz, 14 w, ccw rotation; sim to Rotron "Gold Seal Venturi Muffin Fan". (Used in G1).
B2102	5493477P2	Fan assembly, single phase: 230 VAC, 60 Hz, 14 w, ccw rotation; sim to Rotron "Gold Seal Venturi Muffin Fan". (Used in G2).
		----- FUSES -----
F501	1R16P1	Quick blowing: 1/2 amp at 250 v; sim to Littelfuse 312.500 or Bussmann AGC-1/2.
		----- CABLES -----
W1		CABLE ASSEMBLY 19B226353G1
		----- JACKS -----
J2101	19B209288P13	Shell. (Used in G1).
		----- MISCELLANEOUS -----
3	5496809P18	Contact, pin: male, sim to Molex Products 1380-T. (Used in G1).
		----- FUSE SOCKETS -----
XF501	19B209005P1	Fuseholder: 15 amps at 250 v; sim to Littelfuse 342012.
		----- MISCELLANEOUS -----
2	19A130055G1	Support
3	19A701863P17	Cable clamp.
4	5493477P10	Grille.
5	19A130416G1	Support
11	19B201074P204	Tap screw, phillips POZIDRIV: No. 4-40 x 1/4.
12	7160861P33	Nut, sheet spring: sim to Tinnerman C19640-19AB-600.
14	19A701863P17	Cable clamp.
15		ITEM 11, 12, 14, 16, 19, 22&23 WITH ITEM 1
16	19A134011P1	Screw, thread forming: No. 10-16 x .75".
22	19B201074P306	Tap screw, Phillips POZIDRIV: No. 6-32 x 3/8.
23	N402P7B6	Flatwasher, narrow: No. 6.
24	N80P13010B6	Screw, Machine
25	7141225P3	Hex Nut: No. 6-32.
26	N402P37B6	Flatwasher: No. 6.
27	N404P13B6	Lockwasher, internal tooth: No. 6.
28	N80P13006B6	Machine screw: Pan head, Phillips: No. 8-32 x 3/8"

* COMPONENTS, ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

LBI-4842L



SCHEMATIC DIAGRAM

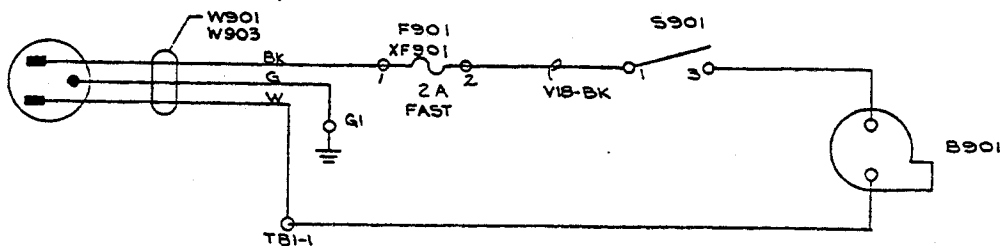


SEE APPLICABLE PRODUCTION CHANGE SHEETS IN INSTRUCTION BOOK SECTION DEALING WITH THIS UNIT, FOR DESCRIPTION OF CHANGES UNDER EACH REVISION LETTER.

THIS ELEM DIAG APPLIES TO

MODEL NO	REV LETTER
PL19C310895G1	
PL19C310895G2	
PL19C310895G4	
PL19C310895G5	
PL19C310895G3	

IN ORDER TO RETAIN RATED EQUIPMENT PERFORMANCE, REPLACEMENT OF ANY SERVICE PART SHOULD BE MADE ONLY WITH A COMPONENT HAVING THE SPECIFICATIONS SHOWN ON THE PARTS LIST FOR THAT PART.



IN ORDER TO RETAIN RATED EQUIPMENT PERFORMANCE, REPLACEMENT OF ANY SERVICE PART SHOULD BE MADE ONLY WITH A COMPONENT HAVING THE SPECIFICATIONS SHOWN ON THE PARTS LIST FOR THAT PART.

SEE APPLICABLE PRODUCTION CHANGE SHEETS IN INSTRUCTION BOOK SECTION DEALING WITH THIS UNIT, FOR DESCRIPTION OF CHANGES UNDER EACH REVISION LETTER.

THIS ELEM DIAG APPLIES TO

MODEL NO	REV LETTER
PL19C320895G3	
PL19C320895G6	
PL19C320895G8	

FAN ASSEMBLY

19C320895G1-G6

(19B226381, Rev. 4)
(19B226721, Rev. 3)

PARTS LIST

LBI-4842L

FAN ASSEMBLY

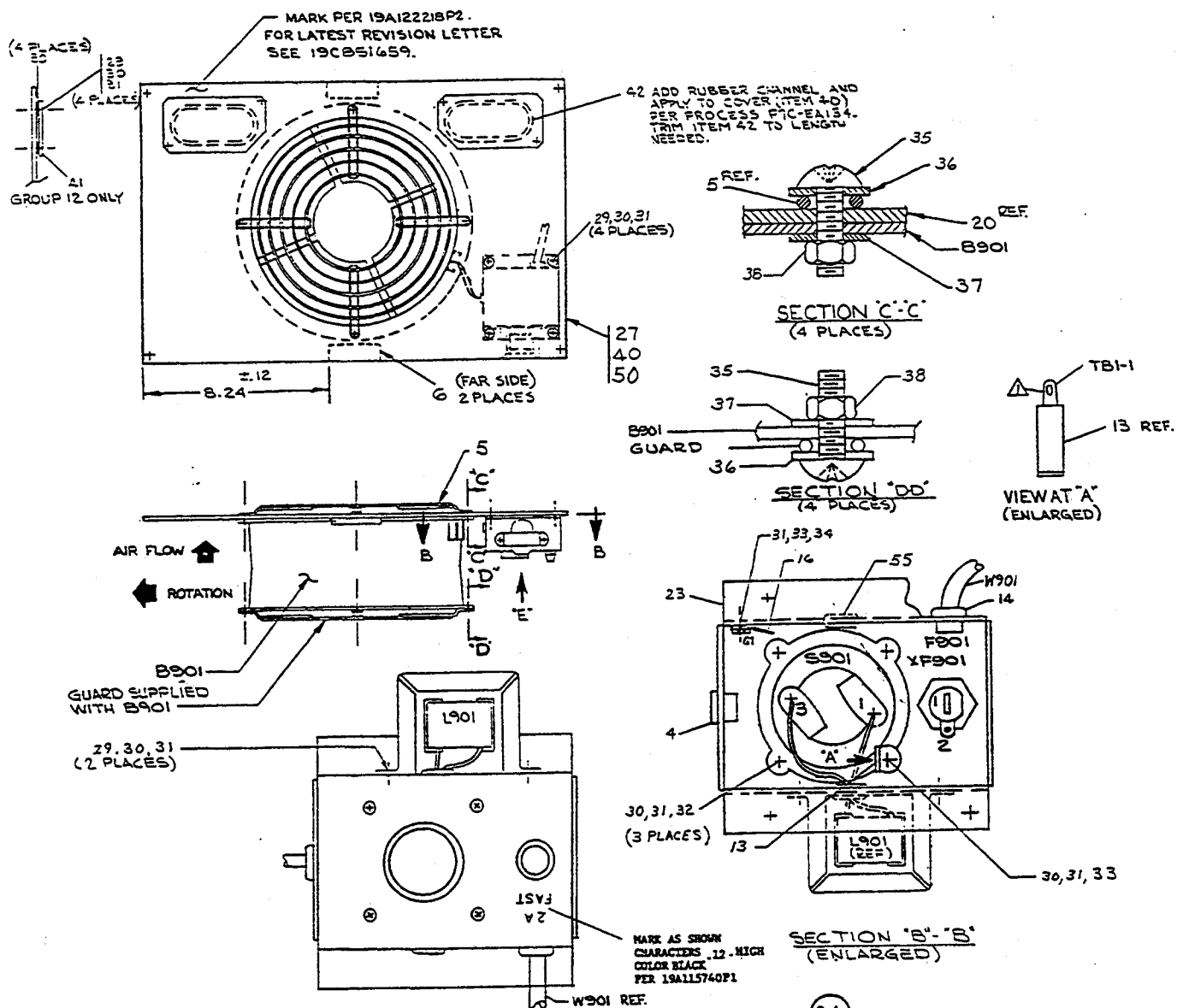
19C320895G1 120 VAC, MOONSTONE
 19C320895G2 240 VAC, MOONSTONE
 19C320895G3 120 VAC, HIGH POWER, MOONSTONE
 19C320895G4 120 VAC, GRAY
 19C320895G5 240 VAC, GRAY
 19C320895G6 120 VAC, HIGH POWER, GRAY

ISSUE 2

SYMBOL	PART NUMBER	DESCRIPTION
----- MODULE -----		
B901	19B209317P1	Fan, Axial. (Used in G1, G3, G4 and G6).
B902	19B209317P2	Fan, Axial. (Used in G2 and G5).
----- FUSES -----		
F901	1R16P5	Quick blowing: 2 amp at 250 v; sim to Littelfuse 312002 or Bussmann AGC-2.
----- SWITCHES -----		
S901	5496655P1	Thermostat, snap-action: SPST, close on temp rise, auto reset, close at 110°F ±5°F, open at 95°F ±5°F, 25 amp at 120/240 VAC; sim to Metals and Controls 20400-F17-64-F110-1.5.
----- CABLES -----		
W901	19A134567P1	Power, 3 wire, 13 amps at 125 VAC, approx. 6 ft. long. (Used in G3 and G6).
W902	19B226719G1	Cable, Power (Used in G1, G2, G4 and G5).
----- MISCELLANEOUS -----		
3	7491823P3	Terminal, solderless (Used in G1).
4	19B209268P101	Terminal, solderless: wire No. 16-22 AWG; sim to 2-36151-2. (Used in G1).
5	19A134567P2	Power: 2 pole, 3 wire grounding, 15 ft, 13 amps at 125 VAC. (Used in G1).
----- FUSE SOCKETS -----		
XF901	19B209005P1	Fuseholder: 15 amps at 250 v; sim to Littelfuse 342012.
----- MISCELLANEOUS -----		
2	19B226101P3	Cover, (Used in G1 and G2).
3	19C321042P1	Support.
4	19A702464P2	Strain relief.
5	19B209317P10	Fan Guard.
6	4032591P25	Tape, Pressure Sensitive.
7	19B209268P106	Terminal, solderless: sim to AMP 41184.
12	19B226559P3	Cover, (Used in G3).
13	7775500P46	Phenolic: 1 insulated, 1 ground terminal.
14	19A702464P4	Bushing, strain relief.
16	7491823P3	Terminal, Solderless (Used in G3 and G6).
19	19B801476P3	Cover, (Used in G4 and G5).
20	19B801477P3	Cover, (Used in G6).
29	N80P13006B6	Machine screw, phillips head: No. 6-32 x 3/8.

SYMBOL	PART NUMBER	DESCRIPTION
30	N404P13B6	Lockwasher, internal tooth: No. 6.
31	N210P13B6	Nut, steel: No. 6-32.
32	N80P13004B6	Screw, machine: Pan head; No. 6-32 x 1/4".
33	N80P13005B6	Machine screw, panhead: No. 6-32 x 5/16.
34	N404P13B6	Lockwasher, internal tooth: No. 6.
35	N80P15008B6	Machine screw, panhead: No. 8 - 32 x 1/2.
36	N402P8B6	Flatwasher, steel: No. 8.
37	N404P16B6	Washer, Lock.
38	N210P15B6	Nut, hex: No. 8-32.

* COMPONENTS, ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

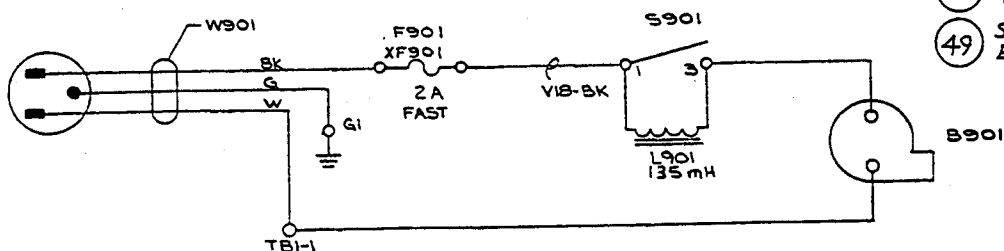


NOTES:

▲ BEND OVER TERMINAL OF TBI-1
TO ELIMINATE POTENTIAL SHORT.

39 SAME AS PART 24
EXCEPT AS NOTED

49 SAME AS PART 39
EXCEPT AS NOTED



FAN ASSEMBLY

19C320895G12-G14

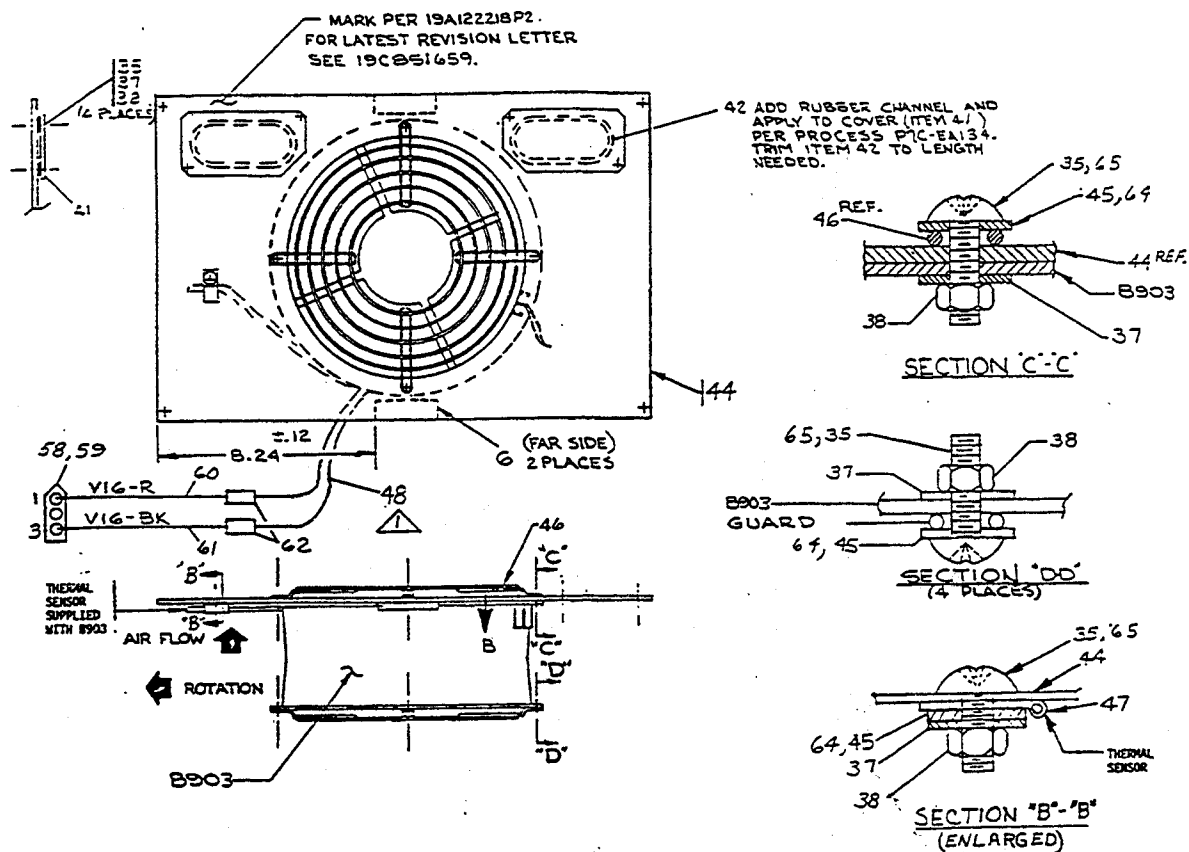
(19C320895, Sh. 2, Rev. 6)
(19B801575, Rev. 1)

IN ORDER TO RETAIN RATED EQUIPMENT
PERFORMANCE, REPLACEMENT OF ANY
SERVICE PART SHOULD BE MADE ONLY WITH A
COMPONENT HAVING THE SPECIFICATIONS
SHOWN ON THE PARTS LIST FOR THAT PART.

SEE APPLICABLE PRODUCTION CHANGE
SHEETS IN INSTRUCTION BOOK SECTION
DEALING WITH THIS UNIT, FOR DES-
CRPTION OF CHANGES UNDER EACH
REVISION LETTER.

THIS ELEM DIAG APPLIES TO

MODEL NO. REV LETTER
PL19C320895G7
PL19C320895G12
PL19C320895G14



(43)

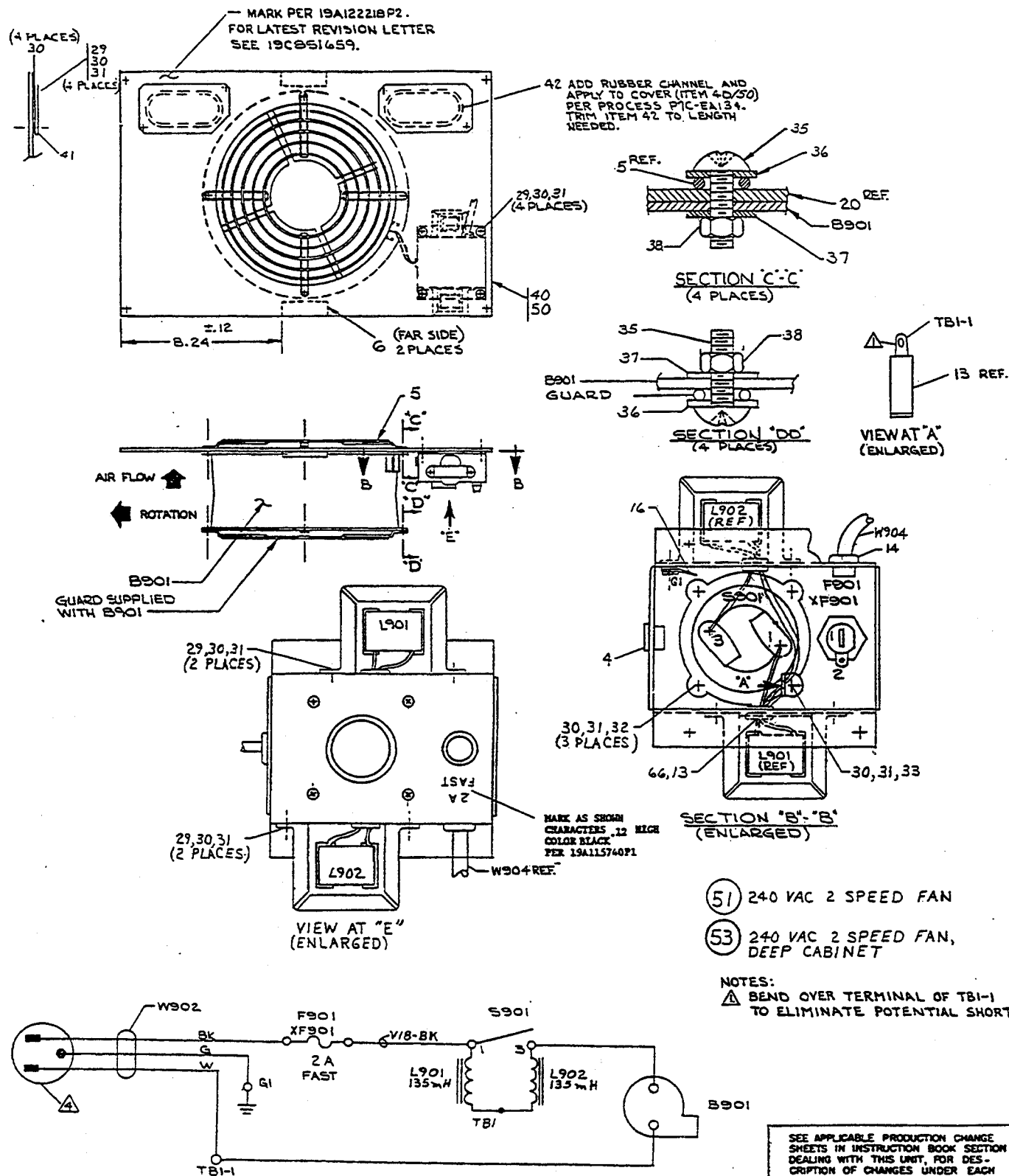
1. CUT CONNECTOR OFF PART 48 CABLE.
2. SPLICE ITEM 60 AND 61 TO REMAINING ITEM 48.
MATCH WIRE COLORS TO FAN POWER INPUT DECAL.
3. CRIMP CONTACTS ITEM 59 TO FAR END OF
WIRES AND INSERT IN ITEM 58.
RED IN PIN 1 - BLACK IN PIN 3
4. POWER CABLE CAN BE PACKAGED WITH FAN AND
CUT TO LENGTH AT ASSEMBLY.

(57)

- 220 VAC FAN
EUROPEAN APPLICATIONS
1. NO THERMAL SENSOR SUPPLIED.
 2. POWER CABLE MODIFICATION
NOT REQUIRED.
USE W906 AS SUPPLIED.

FAN ASSEMBLY
19C320895G13

(19C320895, Sh. 5, Rev. 3)



FAN ASSEMBLY 19C320895G15&G16

(19C320895, Sh. 4, Rev. 1)
(19B802323, Rev. 0)

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DEALING WITH THIS UNIT, FOR DES-
SCRIPTION OF CHANGES UNDER EACH
REVISION LETTER.

THIS ELEM DIAG APPLIES TO

MODEL NO	REV LETTER
PL19C320895C15	
PL19C320895 G16	

PARTS LIST

LBI-4842L

FAN ASSEMBLY

19C320895G12 120VAC, 2 SPEED, GRAY
19C320895G13 12Vdc, VARIABLE SPEED
19C320895G14 120VAC, 2 SPEED, GRAY, DEEP CABINET
19C320895G15 240VAC, 2 SPEED, GRAY CABINET (WAS G5)
19C320895G16 240VAC, 2 SPEED, GRAY, DEEP CABINET

SYMBOL	PART NUMBER	DESCRIPTION
----- MODULE -----		
B901	19B209317P1	Fan, Axial (Used in G12 and G14).
B902	19B209317P2	Fan, Axial (Used in G15 and G16).
B903	344A3701P1	Fan, Axial (Used in G13) (Refer to Figure 1).
----- FUSES -----		
F901	1R16P5	Quick blowing: 2 amp at 250 v; sim to Littelfuse 312002 or Busmann AGC-2. (Used in G12, G12, G14, G15 and G16).
----- INDUCTORS -----		
L901	19B235087P1	Reactor, (Used in G12, G13, G14, G15 and G16).
L902	19B235087P1	Reactor, (Used in G15 and G16).
----- SWITCHES -----		
S901	5496655P1	Thermostat, snap-action: SPST, close on temp rise, auto reset, close at 110°F ±5°F, open at 95°F ±5°F, 25 amp at 120/240 VAC; sim to Metals and Controls 20400-F17-84-F110-1.5. (Used in G12, G12, G14, G15 and G16).
----- CABLES -----		
W904	19B226719G3	Cable, (Used in G15 and G16).
----- MISCELLANEOUS -----		
3	7491823P3	Terminal, solderless (Used in G3).
5	18A134567P2	Power: 2 pole, 3 wire grounding, 15 ft, 13 amps at 125 VAC. (Used in G3).
8	19B209260P107	Terminal, solderless: wire No. 22-18 AWG; sim to AMP 34107. (Used in G3).
W905	18A134567P4	Cable, Power (Used in G12 and G14).
W906	344A4211P2	Fan, Axial (Used in G17).
----- FUSE SOCKETS -----		
XF901	19B209005P1	Fuseholder: 15 amps at 250 v; sim to Littelfuse 342012. (Used in G12, G14, G15 and G16).
----- MISCELLANEOUS -----		
4	19A702484P2	Strain relief. (Used in G12, G14, G15 and G16).
5	19B209317P10	Fan, Axial. (Used in G12, G14, G15 and G16).
6	4032591P25	Tape, Pressure Sensitive.
7	19B209268P106	Terminal, solderless: sim to AMP 41184. (Used in G12, G14, G15 and G16).
13	7775500P46	Phenolic: 1 insulated, 1 ground terminal. (Used in G12, G14, G15 and G16).
14	19A702484P4	Bushing, strain relief. (Used in G12, G14, G15 and G16).

SYMBOL	PART NUMBER	DESCRIPTION
16	7491823P3	Terminal, solderless (Used in G12, G14, G15 and G16).
23	19B801576G1	Support, (Used in G12, G14, G15 and G16).
26	19J708152P5	Retainer strap: sim to Panduit Corp. SST-1. (Used in G12, G14, G15 and G16).
29	N80P13006B6	Machine screw, phillips head: No. 6-32 x 3/8. (Used in G12, G14, G15 and G16).
30	N404P13B6	Lockwasher, internal tooth: No. 6. (Used in G12, G14, G15 and G16).
31	N210P13B6	Nut, steel: No. 6-32. (Used in G12, G14, G15 and G16).
32	N80P13004B6	Screw, machine: Pan head; No. 6-32 x 1/4". (Used in G12 and G14).
33	N80P13005B6	Machine screw, panhead: No. 6-32 x 5/16. (Used in G12, G14, G15 and G16).
34	N404P13B6	Lockwasher, internal tooth: No. 6. (Used in G12 and G14).
35	N80P15006B6	Machine screw, panhead: No. 8-32 x 1/2. (Used in G12, G14, G15, G16).
36	N402P6B6	Flatwasher, steel: No. 8. (Used in G12, G14, G15 and G16).
37	N404P16B6	Washer, Lock.
38	N210P15B6	Nut, hex: No. 8-32.
40	19C337640P1	Cover, (Used in G12 and G15).
41	19C337631P1	Cover, Oval
42	4037158P24	Chan, Rub.
44	19C337640P2	Cover, (Used in G13).
45	N402P11B6	Washer, Flat (Used in G17).
46	344A3701P2	Fan, Axial (Finger Guard for P1) (Used in G13).
47	18A701863P17	Cable clamp. (Used in G13).
48	344A3701P3	Fan, Axial (Power Cable for P1) (Used in G13).
50	19B801477P4	Cover, (Used in G14 and G16).
54	344A3656P1	Connector, AC Power (Used in G15 and G16).
55	18A123224P1	Button, Plug (Used in G12, G12 and G14).
56	19B802523P20	Connector, MATE-N-L (Used in G13).
59	19B802523P61	Connector, MATE-N-L (Used in G13).
60	19A116850P2	Wire, (Used in G13).
61	19A116850P10	Wire, Standard (Used in G13).
62	19A700136P5	Insulated sleeving, electrical. (Used in G13).
63	19B209260P107	Terminal, solderless: wire No. 22-18 AWG; sim to AMP 34107. (Used in G15, G16).
64	N402P38B6	Washer, Flat (Used in G13).
65	N80P15010B6	Screw, Machine (Used in G13).

★ COMPONENTS, ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

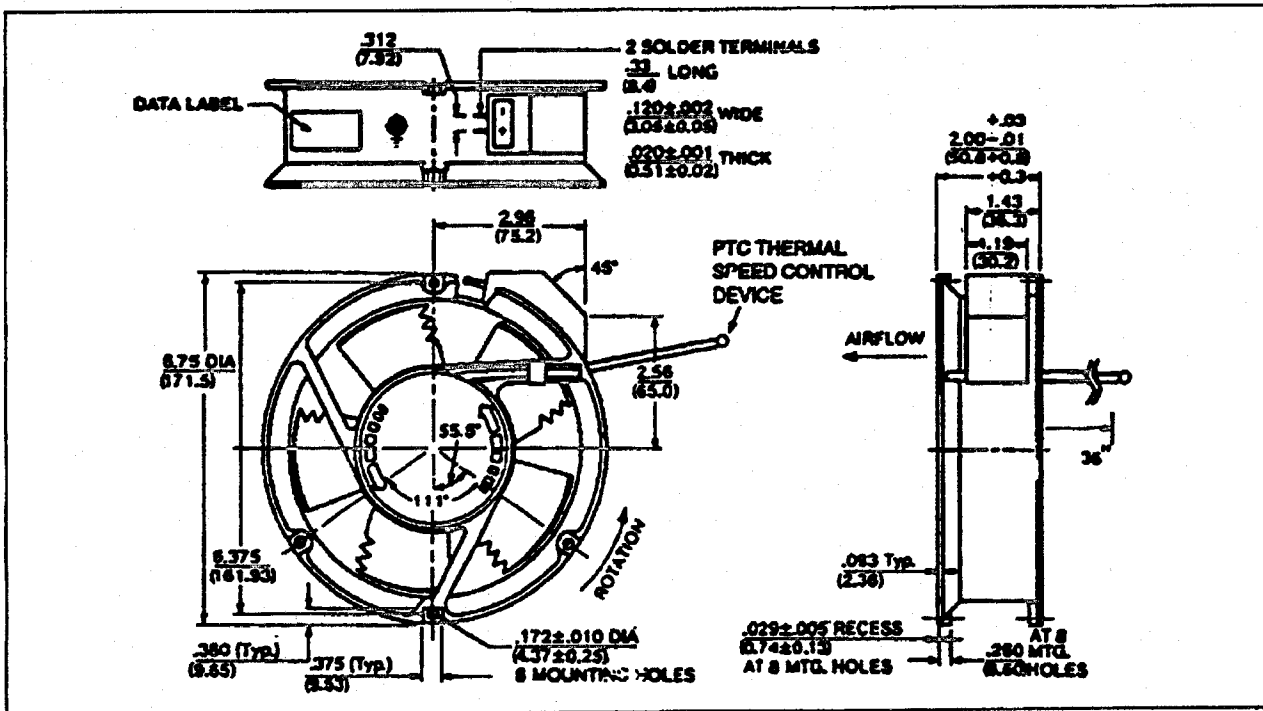


Figure 1 - 12 Vdc Axial Fan 344A3701P1

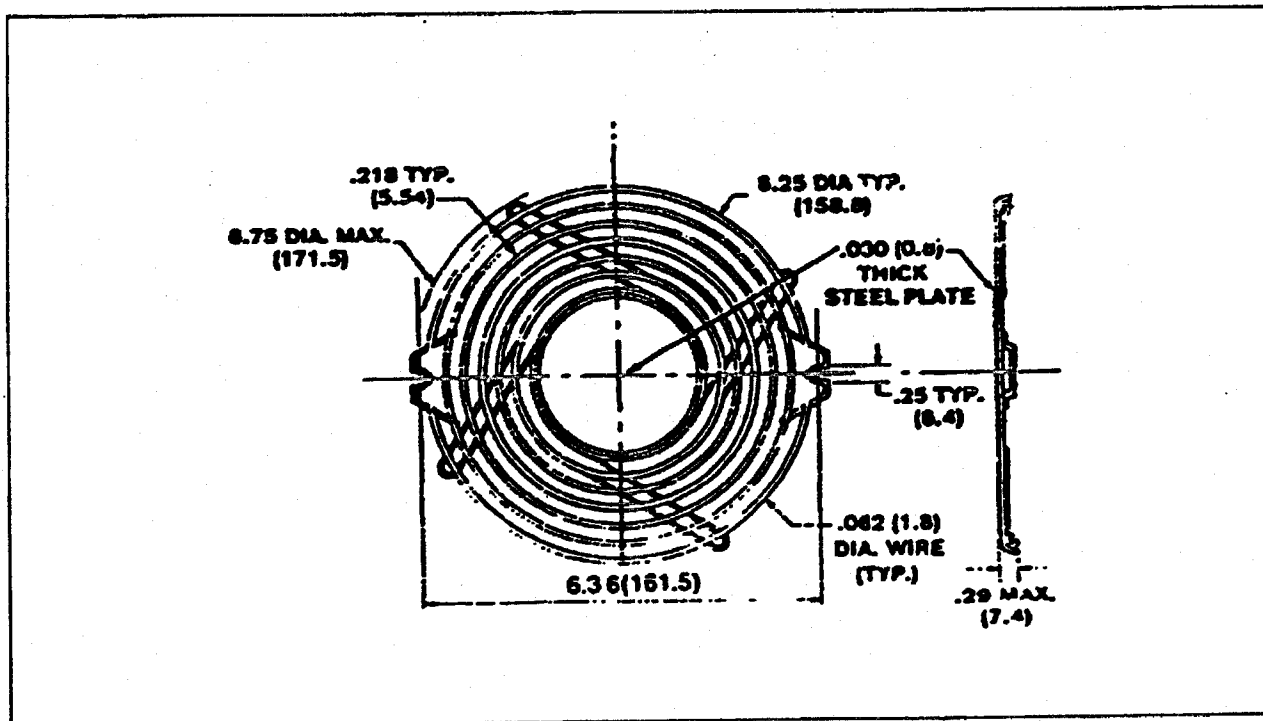
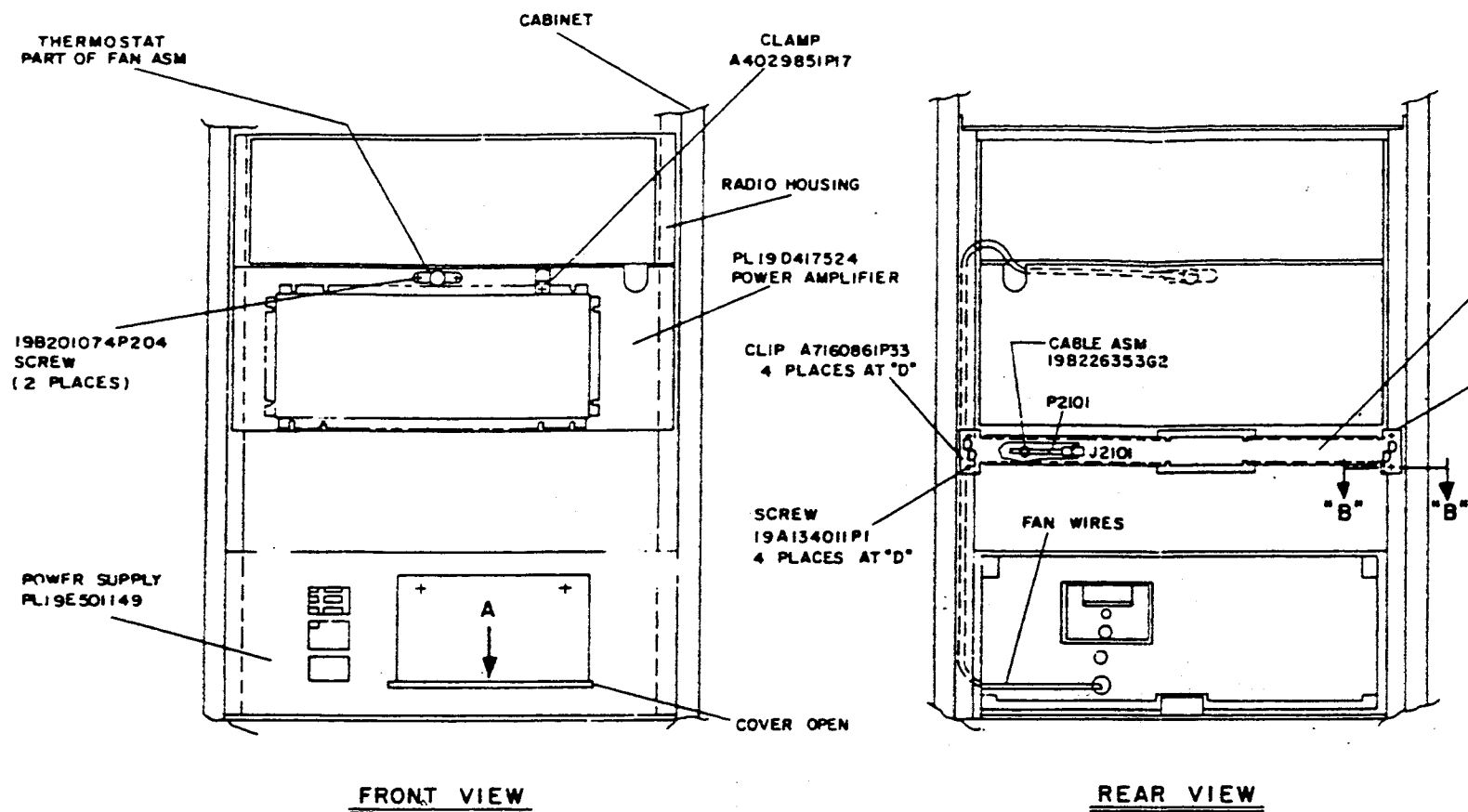
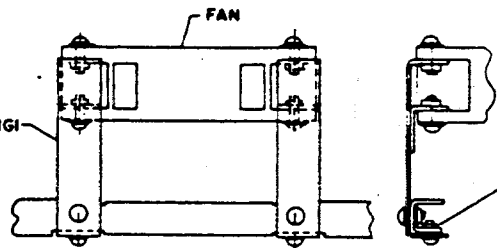


Figure 2 - Finger Guard 344A701P2 (Used with P1)



INSTRUCTIONS:

1. ASSEMBLE THERMOSTAT TO HEAT DISSIPATOR PLATE RUNNING CABLE AS SHOWN. ASSEMBLE CABLE CLAMP AROUND CABLE AND LOCATE AS SHOWN. DRESS BLUE AND ORANGE WIRES DOWN REAR PANEL FLANGE AS SHOWN AND SPOT TIE WIRES TO CABINET PANEL HOLES. FEED BLUE AND ORANGE WIRES WITH TERMINALS THROUGH HOLE IN REAR COVER OF POWER SUPPLY AND THROUGH TO FRONT PANEL AS SHOWN. CONNECT TERMINALS TO BARRIER STRIP AS SHOWN IN VIEWS FOR APPLICABLE OPERATION.
2. INSTALL FAN ASM WITH HARDWARE AND LOCATE AS SHOWN. PLUG P2101 INTO J2101.
3. IF POWER SUPPLY IS NOT PRESENT, SPOT TIE ORANGE & BLUE WIRES NEAR TERMINALS TO CABINET PANEL HOLES LET TERMINALS HANG.
4. WHEN DUPLEXER AND CONTROL SHELF ARE PRESENT IN STATION, USE SUPPORTS PL19B233421G1 SUPPLIED WITH FAN. ASSEMBLE PER DETAIL "E" AND MOUNT FAN ASSEMBLY 2 RACK SPACES LOWER. IF SUPPORTS ARE NOT NEEDED, RETURN TO STOCK.

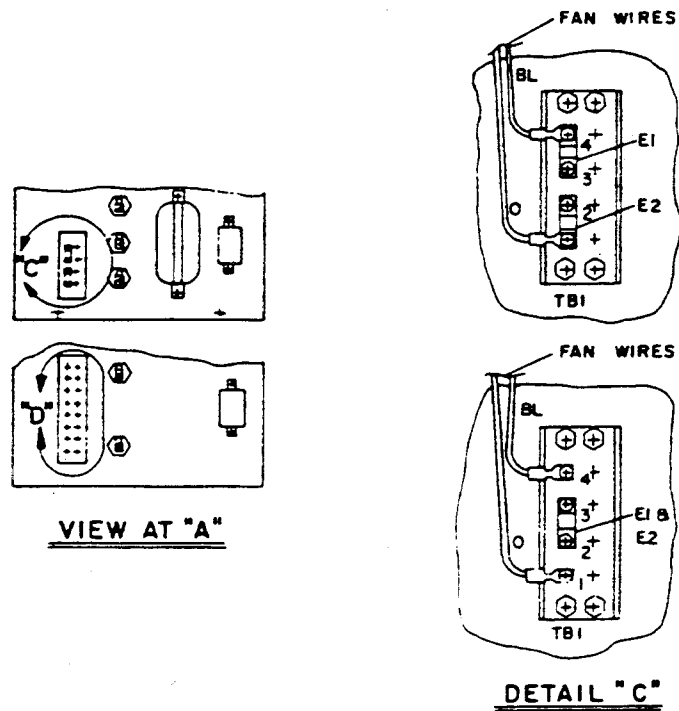


DETAIL "E"

NOTE:

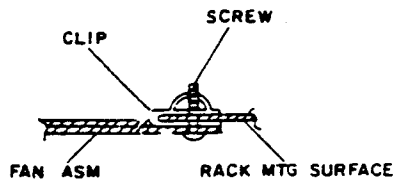
1. THE FAN OPTION SHOULD BE INSTALLED ONLY WITH VOLTAGE RANGES AS SHOWN BELOW.

FAN ASSEMBLY	POWER SUPPLY INPUT VOLTAGE	
	PL19D417521G1	PL19E501149G1 OR G2
1	104 TO 126 VAC, 50/60 Hz	
2	207 TO 253 VAC, 50/60 Hz	

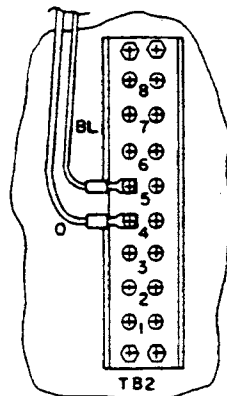


INSTALLATION SHOWN IS PL19D417521G1 FAN CONNECTED TO 121V POWER SUPPLY, PL19E501149G1 OR G2 (NOTE JUMPERS E1 & E2) OTHER CONNECTIONS TO TERMINAL BLOCK ARE NOT SHOWN.

INSTALLATION SHOWN IS PL19D417521G2 FAN CONNECTED TO 242V POWER SUPPLY, PL19E501149G1 OR G2 (NOTE JUMPERS E1 & E2) OTHER CONNECTIONS TO TERMINAL BLOCK ARE NOT SHOWN.



SECTION "B-B"

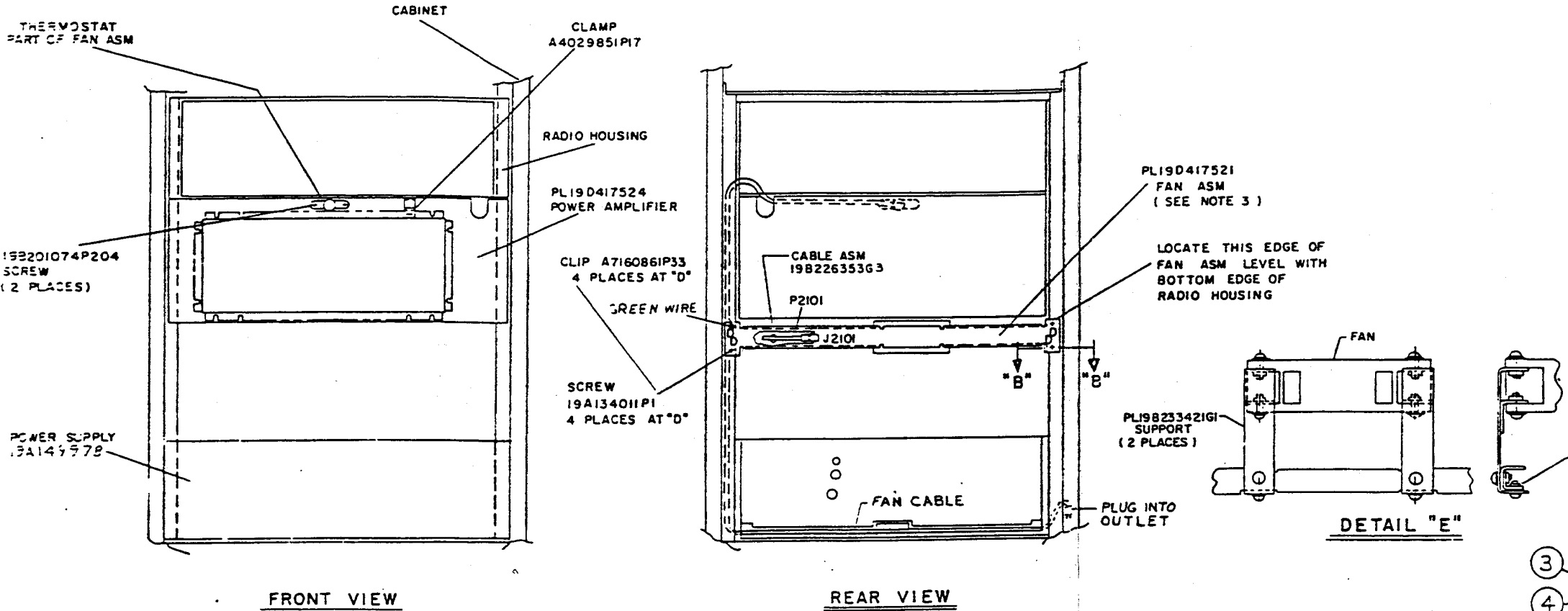


DETAIL "D"

INSTALLATION SHOWN IS PL19D417521G1 OR G2 FAN CONNECTED TO PL19E501149G1 POWER SUPPLY. SEE NOTE 1 TO DETERMINE WHICH GROUP OF FAN IS USED.

FAN ASSEMBLY
19D4175212G1&G2

(19D417529, Sh. 1, Rev. 7)



- INSTRUCTIONS:
1. FAN WITH 19A149978 POWER SUPPLY. ASSEMBLE THERMOSTAT TO HEAT DISSIPATOR PLATE BY WINDING CABLE AS SHOWN. ASSEMBLE CABLE CLAMP AROUND CABLE AND LOCATE AS SHOWN. DRESS BLUE AND WHITE WIRES DOWN REAR PANEL FLANGE AS SHOWN AND SPOT TIE WIRES TO CABINET PANEL HOLES.
 2. INSTALL FAN ASSEMBLY WITH HARDWARE AND LOCATE AS SHOWN. PLUG P2101 INTO J2101.
 3. WHEN DUPLEXER AND CONTROL SHELF ARE PRESENT IN STATION. USE SUPPORTS PL19B133421G1 SUPPLIED WITH FAN. ASSEMBLE FOR DETAIL "E" AND MOUNT FAN ASSEMBLY 2 RACK SPACES LOWER. IF SUPPORTS ARE NOT NEEDED. RETURN TO STOCK.
 4. FOR 800 MHz STATIONS. RETURN FAN ASSEMBLY TO STOCK.
 5. FOR 240V, 50 Hz OPTION. CUT CONNECTOR FROM END OF AC CABLE - LEAVE UNTERMINATED.

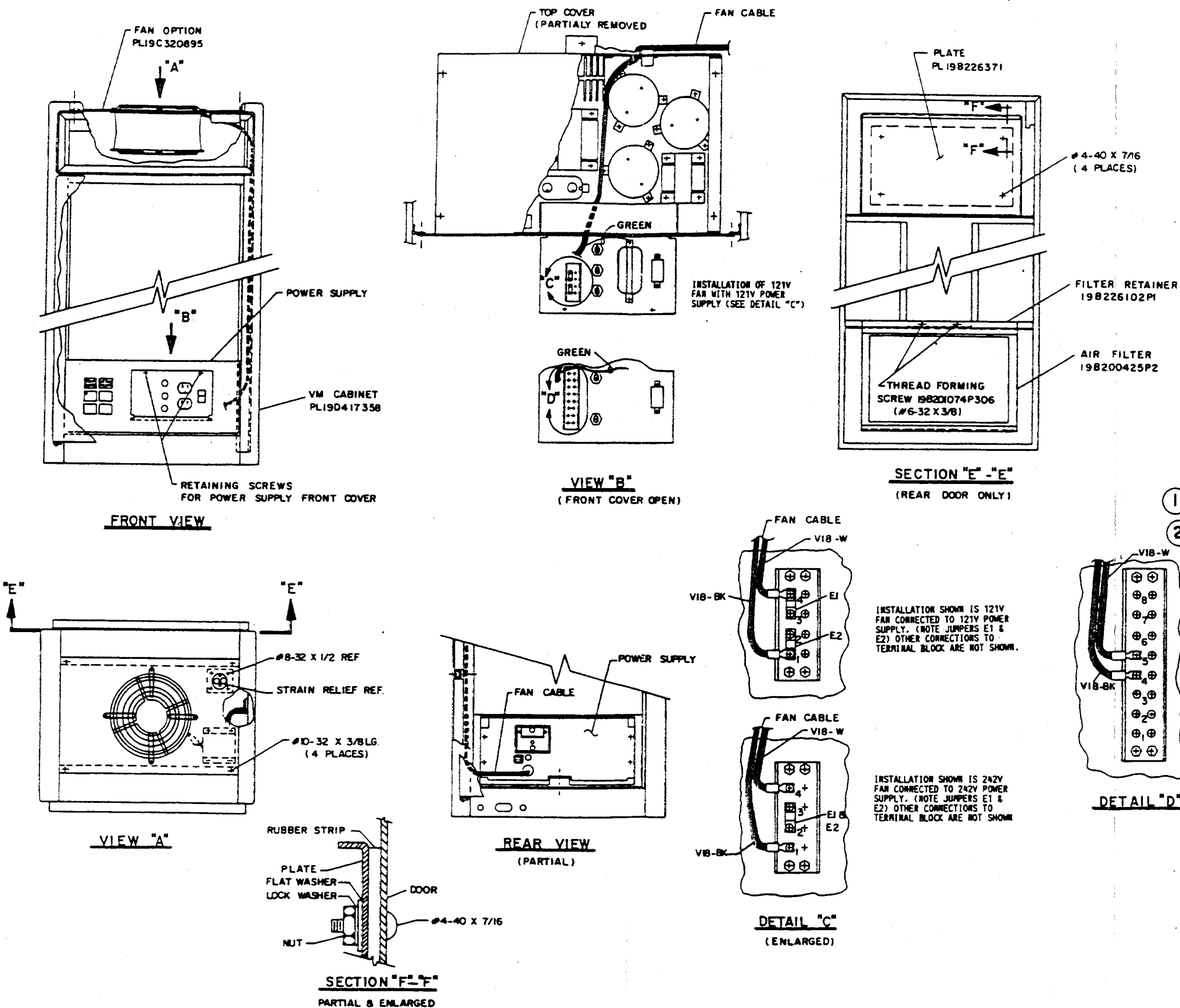
6-32X3/8 LG PAN HD SCR & LK WASH (4 PLACES)

NOTE:
1. THE FAN OPTION SHOULD BE INSTALLED ONLY WITH VOLTAGE RANGES AS SHOWN BELOW.

3	FAN ASSEMBLY	POWER SUPPLY
	PL19D417521G1	INPUT VOL. RANGE
4	PL19D417521G2	104 TO 125 VAC, 50-60 Hz
		207 TO 253 VAC, 50-60 Hz

FAN ASSEMBLY
19D417521G1&G2

(19D417529, Sh. 2, Rev. 0)



THESE INSTRUCTIONS COVER THE INSTALLATION OF THE
19C320895 FAN, 19B200425P2 AIR FILTER, 19B226371 PLATE
& 19A130166 HARDWARE KIT IN THE 19D417358 VM CABINET.

INSTALLATION INSTRUCTIONS:

1. REMOVE TOP COVER OF CABINET, & STRAIN RELIEF FROM TOP COVER. DISCARD COVER, SAVE STRAIN RELIEF & ALL HARDWARE.
2. INSTALL STRAIN RELIEF (REMOVED FROM TOP COVER) ON FAN ASSEMBLY. MOUNT FAN ASSEMBLY IN CABINET TOP. USE HARDWARE SAVED FROM STEP 1 (SEE VIEW A).
3. ROUTE CABLE DOWN SIDE RAIL SPOT TYING TO RAIL AT TOP AND BOTTOM. FEED THROUGH HOLE IN BACK COVER OF POWER SUPPLY TO BARRIER STRIP ON FRONT COVER AND CONNECT TO APPROPRIATE TERMINALS. CONNECT GREEN WIRE TO GROUND STUD AS FOLLOWS:
 - A. FOR GROUP 1 OR GROUP 2 POWER SUPPLY APPLICATIONS MOUNT UNDER EXISTING NUT USING A #6 LOCKWASHER ON EACH SIDE OF TERMINAL. (EXTRA LOCKWASHER SUPPLIED IN KIT)
 - B. FOR GROUP 3 POWER SUPPLY APPLICATIONS MOUNT TO STUD WITH A #6 LOCKWASHER ON EACH SIDE OF TERMINAL & A #6-32 NUT. (EXTRA HARDWARE SUPPLIED IN KIT).
4. INSTALL AIR FILTER AND FILTER RETAINER IN BOTTOM OPENING OF REAR DOOR WITH 2 #6-32 X 3/8 LG THREAD FORMING SCREWS (19B201074P306) SUPPLIED IN KIT. OBSERVE AIR FLOW ARROW ON FILTER IF PRESENT. AIR FLOWS FROM OUTSIDE OF CABINET THRU DOOR & FILTER INTO CABINET.
5. INSTALL COVER PLATE IN TOP OPENING INSIDE OF REAR DOOR. WITH FOAM RUBBER STRIPS TOWARD DOOR. MOUNT USING A #4-40 X 7/16 SCREW, FLATWASHER, LOCKWASHER & NUT IN EACH CORNER. (SEE SECT F-F). HARDWARE SUPPLIED IN KIT.

NOTES: 1. FAN OPTION SHOULD BE INSTALLED ONLY WITH INPUT VOLTAGE RANGES AS SHOWN BELOW

FAN ASSEMBLY	POWER SUPPLY INPUT VOLTAGE
PL19C320895G1, 6A	104 TO 126 VAC 50/60 Hz
PL19C320895G2, 4S	207 TO 253 VAC 50/60 Hz

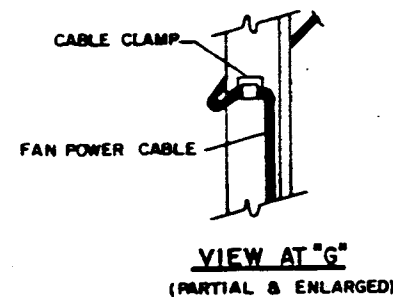
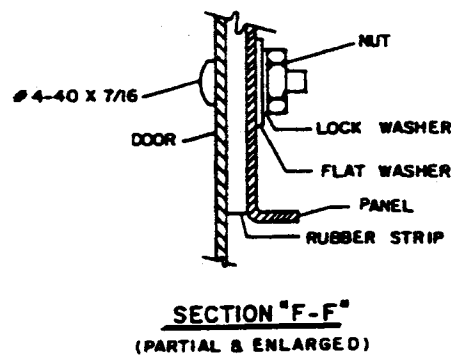
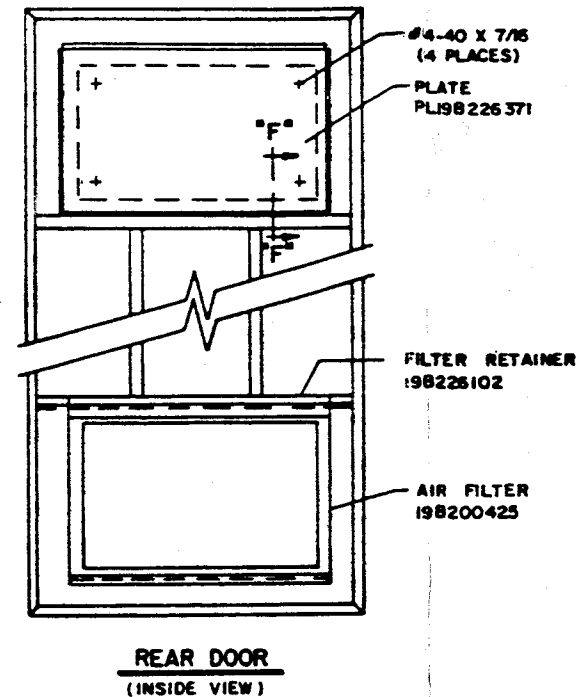
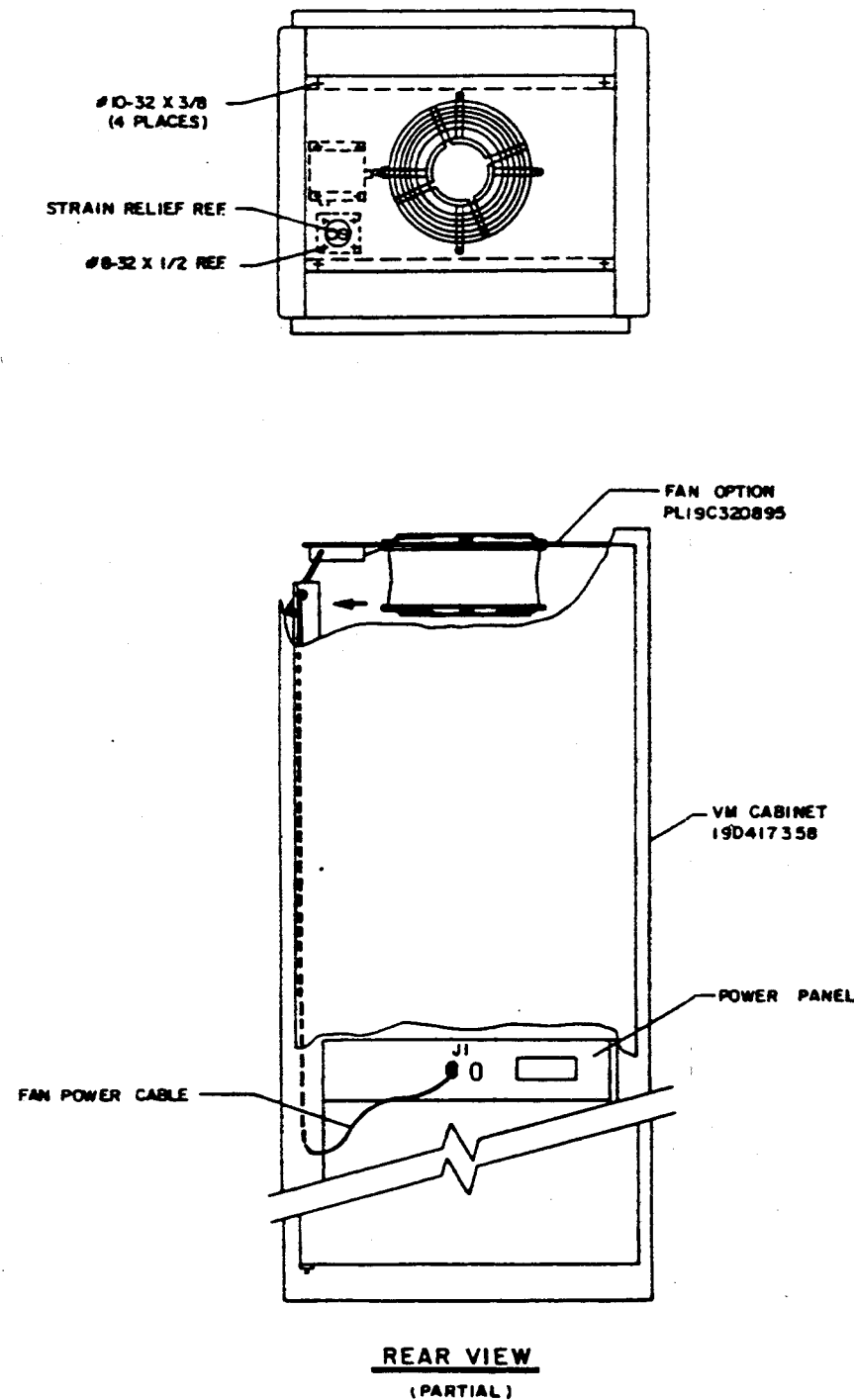
INSTALLATION SHOWN IS 242V
FAN CONNECTED TO 50 Hz POWER
SUPPLY.

INSTALLATION SHOWN IS 121V
FAN CONNECTED TO 121V POWER
SUPPLY. (NOTE JUMPERS E1 &
E2) OTHER CONNECTIONS TO
TERMINAL BLOCK ARE NOT SHOWN.

INSTALLATION SHOWN IS 242V
FAN CONNECTED TO 242V POWER
SUPPLY. (NOTE JUMPERS E1 &
E2) OTHER CONNECTIONS TO
TERMINAL BLOCK ARE NOT SHOWN.

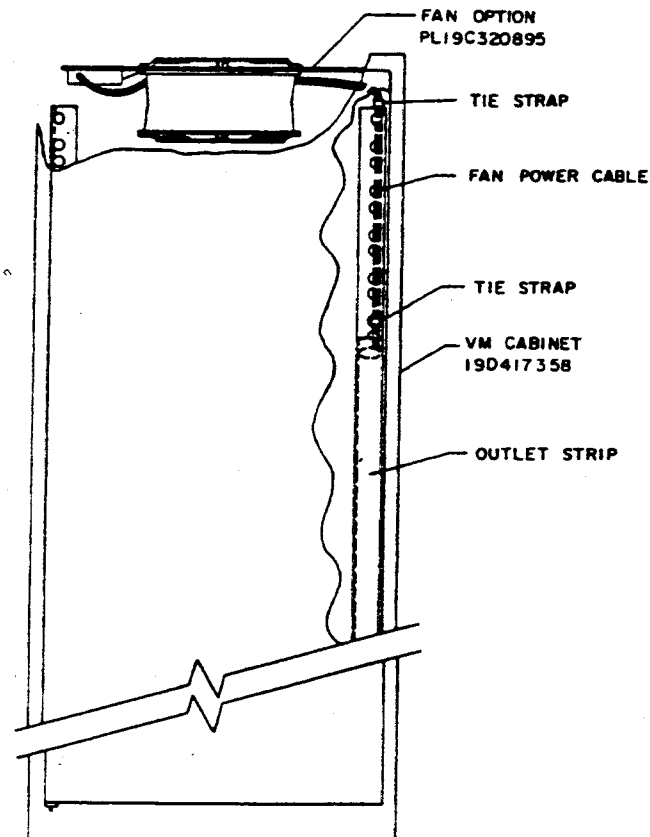
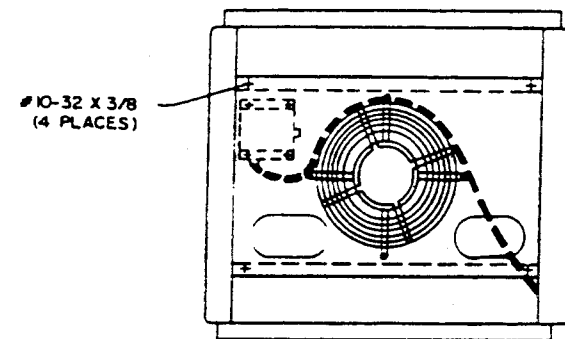
FAN ASSEMBLY
19C320895G1-G6

(19D417350, Sh. 1, Rev. 5)

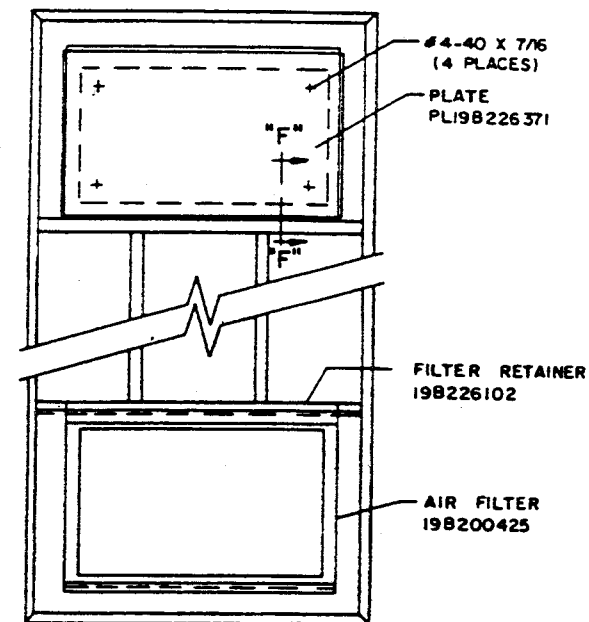


3. THESE INSTRUCTIONS COVER THE INSTALLATION OF THE 19C320895 FAN, 19B200425 AIR FILTER, 19B226371 PLATE & 19A130166 HARDWARE KIT IN THE 19D417358 VM CABINET.
- INSTALLATION INSTRUCTIONS:
1. REMOVE TOP COVER OF CABINET. & STRAIN RELIEF FROM TOP COVER. DISCARD COVER, SAVE STRAIN RELIEF & ALL HARDWARE.
 2. INSTALL STRAIN RELIEF (REMOVED FROM TOP COVER) ON FAN ASSEMBLY. MOUNT FAN ASSEMBLY IN CABINET TOP. USE HARDWARE SAVED FROM STEP 1 (SEE TOP VIEW).
 3. ROUTE POWER CABLE AS SHOWN & SECURE IN EXISTING CABLE CLAMPS. PLUG IN J1 OF POWER PANEL.
 4. INSTALL AIR FILTER AND FILTER RETAINER IN BOTTOM OPENING OF REAR DOOR WITH 2 # 6-32 X 3/8 LG THREAD FORMING SCREWS (19B201074P306) SUPPLIED IN KIT. OBSERVE AIR FLOW ARROW ON FILTER IF PRESENT. AIR FLOWS FROM OUTSIDE OF CABINET THRU DOOR & FILTER INTO CABINET.
 5. INSTALL COVER PLATE IN TOP OPENING INSIDE OF REAR DOOR, WITH FOAM RUBBER STRIPS TOWARD DOOR. MOUNT USING A # 4-40 X 7/16 SCREW, FLATWASHER, LOCKWASHER & NUT IN EACH CORNER. (SEE SECT F-FF). HARDWARE SUPPLIED IN KIT.

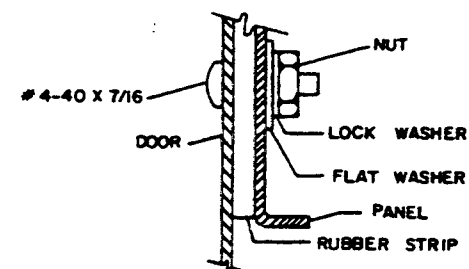
FAN ASSEMBLY
19C320895G1-G6
(19D417358, Sh. 2, Rev. 4)



REAR VIEW
(PARTIAL)



REAR DOOR
(INSIDE VIEW)



SECTION "F-F"
(PARTIAL & ENLARGED)

- ④ THESE INSTRUCTIONS COVER THE INSTALLATION OF THE 19C320895 FAN, 19B200425 AIR FILTER, 19B226371 PLATE & 19A130166 HARDWARE KIT IN THE 19D417358 VM CABINET.

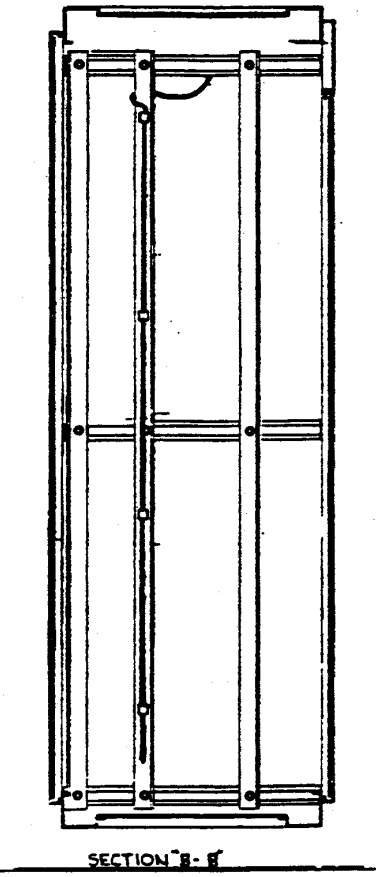
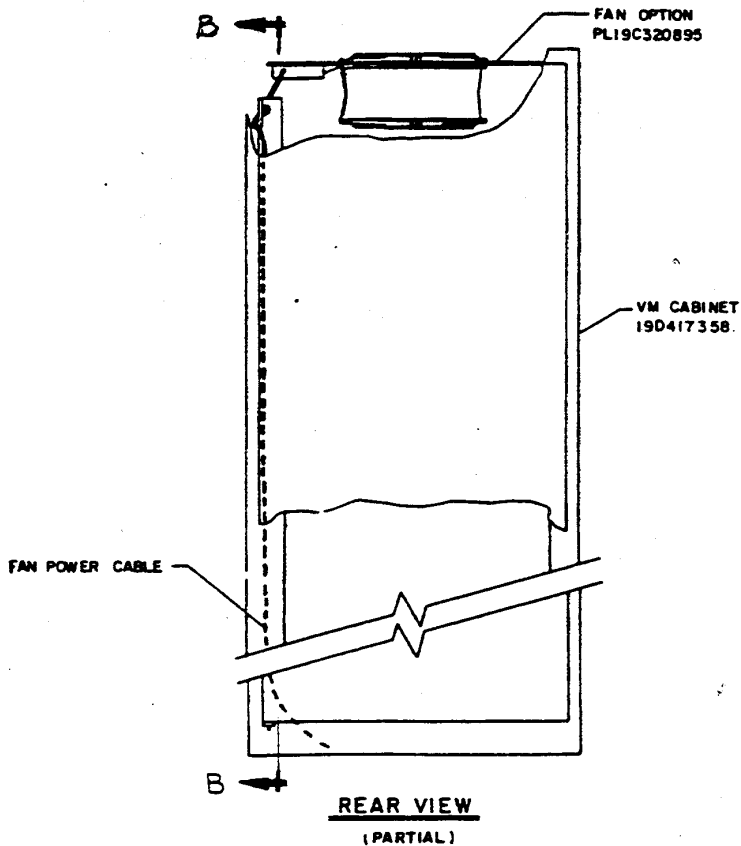
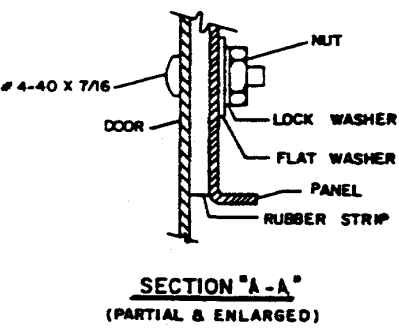
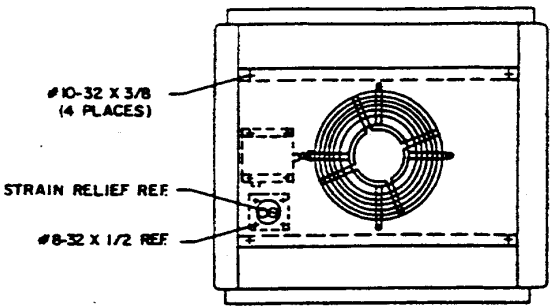
INSTALLATION INSTRUCTIONS:

- ROUTE POWER CABLE AS SHOWN & SECURE TO RAIL WITH TIE STRAPS AS SHOWN. PLUG INTO OUTLET STRIP.
- INSTALL AIR FILTER AND FILTER RETAINER IN BOTTOM OPENING OF REAR DOOR WITH 2 # 6-32 X 3/8 LG THREAD FORMING SCREWS (19B201074P306) SUPPLIED IN KIT. OBSERVE AIR FLOW ARROW ON FILTER IF PRESENT. AIR FLOWS FROM OUTSIDE OF CABINET THRU DOOR & FILTER INTO CABINET.
- INSTALL COVER PLATE IN TOP OPENING INSIDE OF REAR DOOR, WITH FOAM RUBBER STRIPS TOWARD DOOR. MOUNT USING A # 4-40 X 7/16 SCREW, FLATWASHER, LOCKWASHER & NUT IN EACH CORNER. (SEE SECT F-FF). HARDWARE SUPPLIED IN KIT.

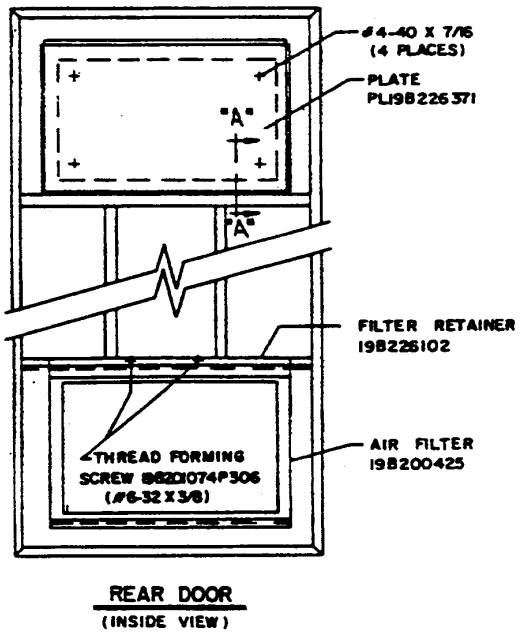
- ⑥ SAME AS PART ④ EXCEPT AS NOTED:
- CONNECT FAN TO FUSE PANEL AT J1 WITH SUPPLIED POWER HARNESS.
- ⑦ 230V FAN
SAME AS PART 4 EXCEPT AS NOTED:
- PLUG POWER CABLE INTO 50 Hz OUTLET STRIP.
- ⑧ DC FAN
SAME AS PART 4 EXCEPT AS NOTED:
- PLUG POWER CABLE INTO FUSE PANEL AT J806.

FAN ASSEMBLY
19C320895G12-G16

(19D417590, Sh. 5, Rev. 5)



5. THESE INSTRUCTIONS COVER THE INSTALLATION OF THE 19C320895 FAN, 19B200425 AIR FILTER, 19B226371 PLATE AND PL19A130166 MDW. KIT IN THE 19D417483 V.M. CABINET FOR CONSOLE EQUIPMENT.
- INSTALLATION INSTRUCTIONS:
1. REMOVE TOP COVER OF CABINET AND STRAIN RELIEF FROM TOP COVER. DISCARD COVER, SAVE STRAIN RELIEF & ALL HARDWARE.
 2. INSTALL STRAIN RELIEF (REMOVED FROM TOP COVER) ON FAN ASSEMBLY. MOUNT FAN ASSEMBLY IN CABINET TOP. USE HARDWARE SAVED FROM STEP 1. (SEE TOP VIEW).
 3. ROUTE POWER CABLE DOWN RAIL AS SHOWN IN SECT. B-B AND LET HANG IN BOTTOM OF CABINET. SECURE TO RAIL WITH CABLE CLAMPS SUPPLIED IN HARDWARE KIT. CLAMPS TO BE APPROX. EQUALLY SPACED.
 4. INSTALL AIR FILTER AND FILTER RETAINER IN BOTTOM OPENING OF REAR DOOR WITH TWO #6-32 X 3/8 LONG THREAD FORMING SCREWS (19B201074P306) SUPPLIED IN MDW. KIT. OBSERVE AIR FLOW ARROW ON FILTER IF PRESENT. AIR FLOWS FROM OUTSIDE OF CABINET, THRU DOOR & FILTER INTO CABINET.
 5. INSTALL COVER PLATE IN TOP OPENING INSIDE OF REAR DOOR WITH FOUR RUBBER STRIPS TOWARD DOOR. MOUNT USING A #4-40 X 7/16 SCREW, FLATWASHER, LOCKWASHER, AND NUT IN EACH CORNER. (SEE SECT. A-A). HARDWARE SUPPLIED IN MDW. KIT.



FAN ASSEMBLY
19C320895G12-G16
(19D417550, Sh. 4, Rev. 0)

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