

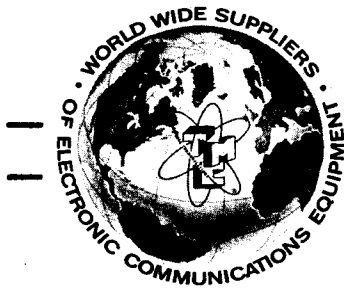
AUXILIARY FRAME ASSEMBLY

AX-563

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AX-563





# THE TECHNICAL MATERIEL CORPORATION

C O M M U N I C A T I O N S   E N G I N E E R S

700 FENIMORE ROAD

MAMARONECK, N. Y.

## Warranty

The Technical Materiel Corporation, hereinafter referred to as TMC, warrants the equipment (except electron tubes,\*fuses, lamps, batteries and articles made of glass or other fragile or other expendable materials) purchased hereunder to be free from defect in materials and workmanship under normal use and service, when used for the purposes for which the same is designed, for a period of one year from the date of delivery F.O.B. factory. TMC further warrants that the equipment will perform in a manner equal to or better than published technical specifications as amended by any additions or corrections thereto accompanying the formal equipment offer.

TMC will replace or repair any such defective items, F.O.B. factory, which may fail within the stated warranty period, PROVIDED:

1. That any claim of defect under this warranty is made within sixty (60) days after discovery thereof and that inspection by TMC, if required, indicates the validity of such claim to TMC's satisfaction.
2. That the defect is not the result of damage incurred in shipment from or to the factory.
3. That the equipment has not been altered in any way either as to design or use whether by replacement parts not supplied or approved by TMC, or otherwise.
4. That any equipment or accessories furnished but not manufactured by TMC, or not of TMC design shall be subject only to such adjustments as TMC may obtain from the supplier thereof.

Electron tubes\*furnished by TMC, but manufactured by others, bear only the warranty given by such other manufacturers. Electron tube warranty claims should be made directly to the manufacturer of such tubes.

TMC's obligation under this warranty is limited to the repair or replacement of defective parts with the exceptions noted above.

At TMC's option any defective part or equipment which fails within the warranty period shall be returned to TMC's factory for inspection, properly packed with shipping charges prepaid. No parts or equipment shall be returned to TMC, unless a return authorization is issued by TMC.

No warranties, express or implied, other than those specifically set forth herein shall be applicable to any equipment manufactured or furnished by TMC and the foregoing warranty shall constitute the Buyers sole right and remedy. In no event does TMC assume any liability for consequential damages, or for loss, damage or expense directly or indirectly arising from the use of TMC Products, or any inability to use them either separately or in combination with other equipment or materials or from any other cause.

\*Electron tubes also include semi-conductor devices.

### *PROCEDURE FOR RETURN OF MATERIAL OR EQUIPMENT*

Should it be necessary to return equipment or material for repair or replacement, whether within warranty or otherwise, a return authorization must be obtained from TMC prior to shipment. The request for return authorization should include the following information:

1. Model Number of Equipment.
2. Serial Number of Equipment.
3. TMC Part Number.
4. Nature of defect or cause of failure.
5. The contract or purchase order under which equipment was delivered.

### *PROCEDURE FOR ORDERING REPLACEMENT PARTS*

When ordering replacement parts, the following information must be included in the order as applicable:

1. Quantity Required.
2. TMC Part Number.
3. Equipment in which used by TMC or Military Model Number.
4. Brief Description of the Item.
5. The *Crystal Frequency* if the order includes crystals.

### *PROCEDURE IN THE EVENT OF DAMAGE INCURRED IN SHIPMENT*

TMC's Warranty specifically excludes damage incurred in shipment to or from the factory. In the event equipment is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved and not with TMC.

All correspondence pertaining to Warranty Claims, return, repair, or replacement and all material or equipment returned for repair or replacement, within Warranty or otherwise, should be addressed as follows:

THE TECHNICAL MATERIEL CORPORATION  
Engineering Services Department  
700 Fenimore Road  
Mamaroneck, New York





PARTS LIST (CONT)  
AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
CP3000 thru CP3004	Refer to Adaptor Panel Assembly, AX570.	
CP3005	ADAPTOR, CONNECTOR, ELECTRICAL: T type, BNC to BNC series.	UG274*/U
CP3006	Same as CP3005.	
DS3000	BUZZER: 230 VAC; 5-1/2" mounting centers.	BZ100
E3000 thru E3003	NOT USED	
E3004 thru E3006	CONTACT SET, ELECTRICAL: relay; for K3000, TMC part number RL130, consisting of 3 each moveable contacts, 3 each line contacts, 3 each load contacts.	AX176
E3007 thru E3009	Same as E3004, E3005, E3006.	
E3010	TERMINAL, FEED-THRU: insulated.	TE114-2
E3011 thru E3019	Same as E3010.	
F3000	FUSE, CARTRIDGE: 1 amp; time lag; 1-1/4" long x 1/4" dia.; slow blow.	FU102-1
J3000	NOT USED	
J3001	CONNECTOR, RECEPTACLE, ELECTRICAL: 1 round female contact, straight type; series BNC to BNC.	JJ172
J3002	NOT USED	
J3003	NOT USED	
J3004	Same as J3001.	
J3005	CONNECTOR, RECEPTACLE, ELECTRICAL: 2 flat female contacts, parallel polarized; 1 round contact for grounding; 10 amps, 250 V or 15 amps, 125 V; contact position polarization; black bakelite shell.	JJ294
J3006	Same as J3005.	



## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
J3007 thru J3009	Refer to Relay Panel Assembly, AX566.	
J3010 thru J3016	NOT USED	
J3017	Same as J3001.	
K3000	CONTACTOR, RELAY, MAGNETIC: switch actuating.	RL130-3
K3001	CONTACTOR, RELAY, MAGNETIC: switch actuating.	RL130-4
K3002 thru K3009	Refer to Relay Panel Assembly, AX566.	
K3010	RELAY, GENERAL PURPOSE: DPDT; contacts rated for 10 amps resistive, 5 amps inductive at 115 VAC or 26 VDC; 24 VDC at 400 ohms; nominal coil power 1 to 2 watts; clear plastic case.	RL168-2C10-24DC
M3000 thru M3002	Refer to Meter Panel Assembly, AX107.	
M3003	TIME DELAY: 20 seconds; quick make, quick break, 250 volts, 5 amps, switches.	TI100
MP3000	FILTER, AIR CONDITIONING: single pad.	AD103-4
MP3001	FILTER, AIR CONDITIONING: single pad.	AD103-2
MP3002	Same as MP3001.	
MP3003	RETRACTOR, CABLE: stainless steel spring.	SP137-1
MP3004	Same as MP3003.	
P102	CONNECTOR, PLUG, ELECTRICAL: 2 female contacts, straight type, 10 amps at 250 V; polarized; twist lock, midget size; brown bakelite.	PL176
P3000	CONNECTOR, PLUG, ELECTRICAL: male, pin type.	MS3106B20-29P
P3001	CONNECTOR, PLUG, ELECTRICAL: 1 male pin type contact, 500 V peak; silver plated brass enclosing shell, 50 ohms, bayonet polarization; BNC twist lock, crimp type.	PL244-1

## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
P3002	NOT USED	
P3003 thru P3005	Same as P3001.	
P3006	CONNECTOR, PLUG, ELECTRICAL: AC power; 3 prong polarized plug with removeable ground connection.	PL218
P3007	Same as P3006.	
P3008	Same as P102.	
P3009	CONNECTOR, PLUG, ELECTRICAL: 2 half round male contacts, 10 amps, 250 V or 15 amps, 125 V; cable clamp, polarized; twist lock.	PL177
P3010	CONNECTOR, PLUG, ELECTRICAL: 24 number 20 pin type contacts, rated for 7.5 amperes, 500 V RMS.	PL212-3
P3011	CONNECTOR, PLUG, ELECTRICAL: 14 number 16 pin type contacts, rated for 17.0 amperes, 500 V RMS.	PL212-1
P3012	Same as P3011.	
P3013	CONNECTOR, PLUG, ELECTRICAL: female.	MS3106A16S5S
P3014	CONNECTOR, PLUG, ELECTRICAL: 14 number 16 socket type contacts, rated for 17.0 amperes, 500 V RMS.	PL212-2
P3015	Same as P3014.	
P3016 thru P3021	Same as P3001.	
P3022 thru P3025	NOT USED	
P3026 thru P3030	Same as P3001.	
P3031	CONNECTOR, PLUG, ELECTRICAL: 24 number 20 socket type contacts, rated for 7.5 amperes, 500 V RMS.	PL212-4
P3032	Same as P3014.	
P3033	Same as P3001.	

## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
P3034	Same as P3001.	
P3035	CONNECTOR, PLUG, ELECTRICAL: 9 female socket type contacts, rated for 7.5 amperes, 2,000 V RMS, 60 cps (sea level), 700 V RMS, 60 cps (50,000 ft.); miniature hexagon.	PL189-9S
P3036	CONNECTOR, PLUG, ELECTRICAL: 37 male removeable crimp pin type contacts, rated for 5 amps, 500 V RMS; connector shape polarization; cadmium plated steel; w/hood.	JJ313-3H
P3037	CONNECTOR, PLUG, ELECTRICAL: 25 male removeable crimp pin type contacts, rated for 5 amps, 500 V RMS; connector shape polarization; cadmium plated steel; w/hood.	JJ313-2H
P3038	Same as P3001.	
P3039	Same as P3001.	
P3040	CONNECTOR, PLUG, ELECTRICAL: female.	PL247-2S
P3041	Same as P3001.	
P3042	Same as P3001.	
P3043 thru P3047	Same as P3040.	
P3048	Same as P3001.	
P3049	Same as P3001.	
P3050	CONNECTOR, RECEPTACLE, ELECTRICAL: 37 female removeable crimp pin type contacts, rated for 5 amps, 500 V RMS; connector shape polarization; cadmium plated steel; w/hood.	JJ310-3H
P3051	Same as P3001.	
P3052	Same as P3001.	
P3053	CONNECTOR, PLUG, ELECTRICAL: 14 number 16 female contacts, straight type.	MS3106B20-27S
P3054	CONNECTOR, PLUG, ELECTRICAL: 24 number 16 male contacts, straight type.	MS3106B24-28P

## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
P3055	CONNECTOR, RECEPTACLE, ELECTRICAL: 25 female removable crimp pin type contacts, rated for 5 amps, 500 V RMS; connector shape polarization; cadmium plated steel; w/hood.	JJ310-2H
P3056	Same as P3055.	
P4001	Same as P102.	
R3000	HEATING ELEMENT, ELECTRICAL: finstrip; 46 ohms, 1,250 watts; 15-1/4" lg. x 2" wide x 1-3/8" high o/a.	RR127-1
R3001	Same as R3000.	
R3002	Same as R3000.	
TB1001	TERMINAL BOARD, FANNING: 18 terminals, angle type, left end feed.	TM105-18AL
TB1002	Same as TB1001.	
TB1301	TERMINAL BOARD, FANNING: 4 terminals, angle type, right end feed.	TM105-4AR
TB3000	TERMINAL BOARD, BARRIER: 12 terminals; 6-32 thd. x 1/4" long binder head screws; phenolic body.	TM100-12
TB3001	Same as TB3000.	
TB3002	Same as TB3000.	
TB3002-1	TERMINAL BOARD, FANNING: 12 terminals, angle type, right end feed.	TM105-12AR
TB3003	NOT USED	
TB3004	TERMINAL BOARD, BARRIER: 4 terminals; 6-32 thd. x 1/4" long binder head screws; phenolic body.	TM102-4
TB3005	Same as TB3004.	
TB3005-1	TERMINAL BOARD, FANNING: 6 terminals, angle type, left end feed.	TM105-6AL
TB4000 thru TB4003	NOT USED	
TB4004A	TERMINAL BOARD: red Zytel, 101 nylon block, 20 single insert type, non-shorting brass contacts.	TM126-2
TB4004B	TERMINAL BOARD: orange Zytel, 101 nylon block, 20 single insert type, non-shorting brass contacts.	TM126-3
TB4004C	TERMINAL BOARD: green Zytel, 101 nylon block, 20 single insert type, non-shorting brass contacts.	TM126-5

## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
TB4004D	TERMINAL BOARD: grey Zytel, 101 nylon block, 20 single insert type, non-shorting brass contacts.	TM126-8
TB4004E	TERMINAL BOARD: black Zytel, 101 nylon block, 20 single insert type, non-shorting brass contacts.	TM126-9
TB4005	TERMINAL BOARD: blue Zytel, 101 nylon block, 20 single insert type, non-shorting brass contacts.	TM126-6
W3000	WIRING HARNESS, BRANCHED, ELECTRICAL	CA1052
W3001	WIRING HARNESS, BRANCHED, ELECTRICAL	CA1063
W3002	WIRING HARNESS, BRANCHED, ELECTRICAL	CA1062
W3003	NOT USED	
W3004	NOT USED	
W3005	CABLE ASSEMBLY, POWER, ELECTRICAL	CA741-7
W3006	Same as W3005.	
W3007	CABLE ASSEMBLY, POWER, ELECTRICAL	CA741-8
W3008	CABLE ASSEMBLY, POWER, ELECTRICAL	CA741-9
W3009	CABLE ASSEMBLY, POWER, ELECTRICAL	CA741-10
W3010	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1078-1
W3011	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1078-2
W3012	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1078-3
W3013	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1107
W3014	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1114
W3015	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1077
W3016	CABLE ASSEMBLY, POWER, ELECTRICAL	CA555-4
W3017	Same as W3016.	
W3018	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1105
W3019	CABLE ASSEMBLY, POWER, ELECTRICAL	CA497

## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
W3020	CABLE ASSEMBLY, POWER, ELECTRICAL	CA683
W3021	WIRING HARNESS, BRANCHED, ELECTRICAL	CA1075
W3022	CABLE ASSEMBLY, POWER, ELECTRICAL	CA1088
W3023	WIRING HARNESS, BRANCHED, ELECTRICAL	CA550
W3024	LEAD, ELECTRICAL	CA409-32-2.00
W3025	Same as W3023.	
W3026	Same as W3024.	
W3027	Same as W3024.	
W3028	CABLE ASSEMBLY, POWER, ELECTRICAL	CA696-4
W3029	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1151-1
W3030	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1037-10
W3031	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1036-10
W3032	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	CA1051-1
W3033	LEAD, ELECTRICAL	CA412-22-53.00
W3034	LEAD, ELECTRICAL	CA412-22-59.00
W3035	LEAD, ELECTRICAL	CA409-30-9.00
W3036	Same as W3035.	
W3037	Same as W3035.	
W3038	LEAD, ELECTRICAL	CA409-31-7.00
W3039	Same as W3038.	
W3040	Same as W3038.	
W3041	Same as W3024.	
W3042	Same as W3024.	
XF3000	FUSEHOLDER: lamp indicating; accommodates cartridge fuse 1-1/4" lg. x 1/4 dia.; 90-300 V, 20 amps; neon	FH104-3

## PARTS LIST (CONT)

## AUXILIARY FRAME ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
XF3000 (cont)	lamp type with 220K ohm lamp resistor; clear transparent flat sided knob; black body.	
XK3000	NOT USED	
XK3001	NOT USED	
XK3002 thru XK3009	Refer to Relay Panel Assembly, AX566.	
XK3010	SOCKET, ELECTRON TUBE: 11 contacts, rated for 3 amps, 500 V RMS; phenolic body.	TS100-5