# TM 11-5805-285-15

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

# OPERATOR'S ORGANIZATIONAL, FIELD, AND DEPOT MAINTENANCE MANUAL

# TERMINAL, TELEGRAPH-TELEPHONE AN/MCC-6

B-8

*HEADQUARTERS, DEPARTMENT OF THE ARMY*

*13 FEBRUARY 1961*

## WARNING

### HIGH VOLTAGE

is used in
this equipment.

### DEATH ON CONTACT

may result if safety precautions
are not observed.

### EXTREMELY
### DANGEROUS POTENTIALS

exist in the following units:

| | |
|---|---|
| Converter, Telegraph-Telephone Signal TA–182/U | 570 volts ac |
| Power distribution panel | 115 volts ac |
| Power Supply PP–826(*)/U | 600 volts dc |
| TA–182/U subdistribution panel | 115 volts ac |
| Terminal, Telegraph AN/TCC–4 | 215 volts ac |
| Terminal, Telegraph TH–5/TG | 560 volts ac |
| Telephone Terminal AN/TCC–7 | 1,000 volts ac |
| Generator Set, Gasoline Engine, Trailer-Mounted PU–294/G | 130 volts ac |
| Teletypewriter TT–4(*)/TG | 115 volts ac |
| Intercommunication Station LS–147C/FI | 270 volts dc |
| Telegraph Distortion Analyzer TDA–2 | 650 volts ac |

## WARNING

### VENTILATION IS ESSENTIAL

Terminal Telegraph-Telephone, AN/MCC–6 must be ventilated at all times when occupied to prevent asphixiation of personnel.

### DON'T TAKE CHANCES

TECHNICAL MANUAL
No. 11-5805-285-15

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON 25, D. C., *13 February 1961*

# TERMINAL, TELEGRAPH-TELEPHONE AN/MCC-6


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# CHAPTER 1

# INTRODUCTION

## Section I. GENERAL

### 1. Scope

*a.* This manual describes Terminal, Telegraph-Telephone AN/MCC–6 (fig. 6 and 7) and covers its installation, operation, theory, and maintenance. It also includes instructions for installing components not provided as part of Shelter, Electrical Equipment S–185/MCC–6 (fig. 15 and 16). Except for the shelter and its components, major components (para 5) are covered in detail in their respective technical manuals (appx I).

*b.* Official nomenclature followed by (*) is used to indicate all models of the equipment item covered in this manual. Thus, Teletypewriter TT–4(*)/TG represents Teletypewriter TT–4A/TG and TT–4B/TG.

### 2. Forms and Records

*a. Unsatisfactory Equipment Report.* Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) or DD Form 787–1 (Electronic Failure Report—Signal Equipment) to the Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS–ML, Fort Monmouth, N. J., as prescribed in AR 700–38 (for DA Form 468) or in AR 700–39 (for DD Form 787–1).

*b. Report of Damaged or Improper Shipment.* Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700–58.

*c. Preventive Maintenance Forms.* Prepare preventive maintenance forms for the major components as specified in their respective technical manuals (appx I).

*d. Parts List Form.* Forward DA Form 2028 (Recommended Changes to DA Technical Manual Part Lists or Supply Manual 7, 8, or 9) direct to the Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS–M, Fort Monmouth, N. J. with comments on appendixes II and III.

*e. Comments on Manual.* Forward all other comments on this manual direct to U. S. Army Signal Materiel Support Agency, ATTN: SIGMS–PA2d, Fort Monmouth, N. J.

## SECTION II. DESCRIPTION AND DATA

### 3. Purpose and Use
(fig. 1)

Terminal, Telegraph-Telephone AN/MCC–6 is an air- or vehicular-transportable assemblage used to provide carrier telegraph and carrier telephone facilities in an area-type communication system. The AN/MCC–6 can be arranged to provide a maximum of 24 telephone circuits (using 2 AN/MCC–7's) (A, fig. 1) and 16 voice-frequency (vf) telegraph circuits (using 2 AN/TCC–4's) (B through D, fig. 1). The spiral-four circuits of the AN/TCC–7's may be connected to a radio relay terminal (such as Radio Repeater Set AN/MRC–54). Facilities are provided for communication within the local area. Alternating-current (ac) power is provided by Trailer-Mounted Gasoline Engine Generator Set PU–294/G (two Gasoline Engine Generator Sets PU–286/G), or it may be obtained from commercial power facilities, or a central power source (such as Truck-Mounted Diesel Engine Generator Set PU–407/M or PU–408/M).

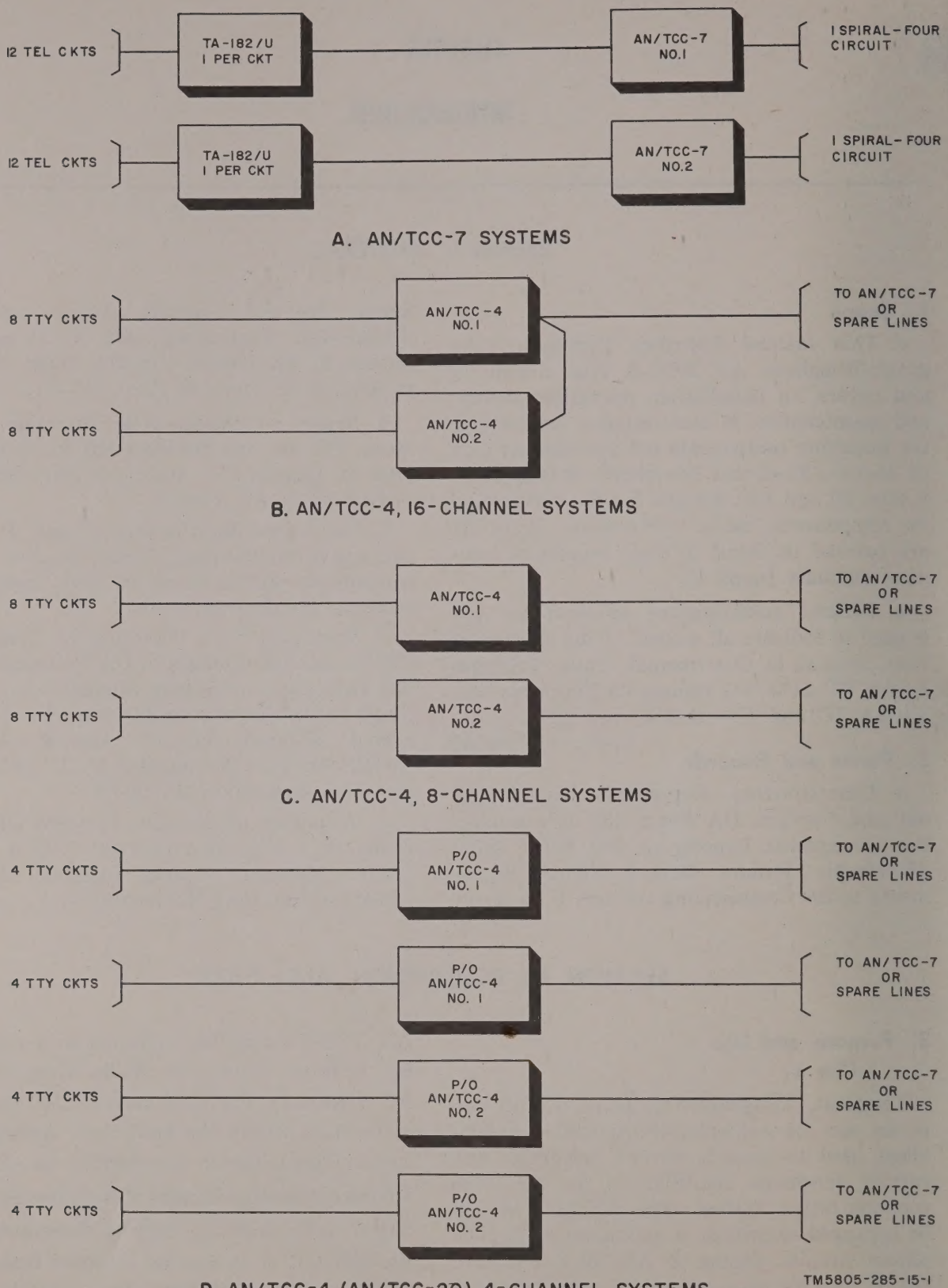



*Figure 1. Terminal, Telegraph-Telephone AN/MCC-6, typical equipment arrangement block diagram.*

## 4. Technical Characteristics

| | |
|---|---|
| Power requirements | 115 v, 60 cps, single-phase, three-wire. |
| Power consumption (maximum): | |
| Lights | 210 watts. |
| Exhaust blowers | 300 watts. |
| Electric heater | 1,500 watts. |
| Equipment: | |
| Telephone Terminals AN/TCC-7 | 1,420 watts. |
| Terminals, Telegraph AN/TCC-4 | 960 watts. |
| Terminal, Telegraph TH-5/TG | 60 watts. |
| Converters, Telegraph-Telephone Signal TA-182/U | 960 watts. |
| ~~Telegraph Distortion Analyzer TDA-2~~ | 45 watts. |
| Teletypewriter TT-4(*)/TG | 160 watts. |
| Intercommunication Station LS-147C/FI | 32 watts. |
| Total | 5,807 watts. |
| Telephone carrrier facilities (2 each AN/TCC-7's) | 24 circuits. |
| Telegraph carrier facilities (2 each AN/TCC-4's) | 16 circuits. |
| Local-communication facilities: | |
| Telephone circuit (TA-312/PT) | 1 circuit. |
| Intercommunication circuit (LS-147C/FI) | 1 circuit. |
| Weight: | |
| AN/MCC-6 (less ~~PU-294/G~~) | 5,000 lb. |
| ~~PU-294/G~~ | 5,000 lb. |
| ~~S-185/MCC-6~~ | 1,200 lb |

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(S-185(*)/MCC6)

C#7 7/DEC/65

Posted 27/Feb/66

Outside dimensions of shelter:

| | |
|---|---|
| Length | 138 in. |
| Width | 80 in. |
| Height | 77½ in. |

## 5. Major Components of Terminal, Telegraph-Telephone AN/MCC-6

| Quantity (ea) | Item | Figure |
|---|---|---|
| 1 | Distribution Box J-1077A/U (Stored under tabletop). | 8 |
| 1 | Generator Set, Gasoline Engine, Trailer-Mounted PU-294/G including: | |
| | 2 Gasoline Engine Generator Sets PU-286/G | |
| | 10 gasoline cans | |
| | 3 filler tubes | |
| | 1 Trailer, cargo, 1½-ton, 2-wheel M-105A1. | |
| 8 | Electrical Filter Assembly F-98/U | 8, 9 |
| 1 | Shelter, Electrical Equipment S-185/MCC-6 (para 6). | |
| 1 | Terminal, Telegraph TH-5/TG | 9 |
| 28 | Converter, Telegraph-Telephone Signal TA-182/U. | 8, 9 |
| 2 | Terminal, Telegraph AN/TCC-4 | 8, 9 |
| 1 | Telephone Set TA-312/PT | 8 |
| 2 | Telephone Terminal AN/TCC-7 (less 1 PP-826/U). | 8, 9 |
| 1 | Telephone Test Set TS-712/TCC-11 including Telephone Set TA-312/PT (TA-312/PT stored in cabinet No. 2). | 8 |
| 1 | Teletypewriter TT-4*/TG | 9 |
| 1 | Terminal Box TA-125/GT | 10 |

## 6. Components of Shelter, Electrical Equipment S-185/MCC-6

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| Quantity (ea) | Item | Figure | Location |
|---|---|---|---|
| 1 | Ax | 11 | |
| 1 | Blackout curtain assembly | 11 | |
| 13 | Cable grip, signal | 2 | Cabinet No. 1. |
| 12 | Cable grip, power | 2 | Cabinet No. 1. |
| 1 | Cable assembly, power (100-ft) with reel | 4, 12 | |
| 1 | Cable Assembly, Telephone CX-4566/G (250-ft) with Reel RC-435/U. | 4, 12 | |
| 1 | Cable stub, power (15-ft) | 2 | Cabinet No. 1. |
| 1 | Cable Assembly, Telephone CX-4760/U (15-ft) | 2 | Cabinet No. 1. |
| 1 | Clock, 3-in. | 10 | |
| 1 | Distribution Box J-1077A/U | 8 | |
| 1 | Drain plug wrench | 11 | |
| 1 | Droplight (25-ft) | 2 | Cabinet No. 1. |
| 1 | Electric heater | 20 | |
| 2 | Exhaust fan | 13 | |
| 1 | Fire extinguisher (2½-lb) | 10 | |
| 1 | Fire extinguisher (5-lb) | 11 | |
| 1 | First aid kit | 11 | |
| 8 | Fluorescent lamp, 20-w (24-in.) | 13 | |
| 8 | Fluorescent lamp starter FS-2 | 13 | |
| 2 | Folding chair | 10 | |
| 2 | Grease pencil (red) | 9 | |
| 2 | Grease pencil (yellow) | 9 | |
| 2 | Ground rod | 11 | |
| 2 | Ground strap | 2 | Cabinet No. 1 |
| 1 | Hand brush | 11 | |
| 5 | Hardware component bag | 2 | |
| 1 | Intercommunication Station LS-147C/FI | 21 | |
| 1 | Ladder assembly | 12 | |
| 1 | Hand lantern | 11 | |
| 1 | Line cord, with duplex receptacle (15-ft) | 2 | Cabinet No. 1. |
| 3 | Patch cord, black 2-ft | 3 | Cabinet No. 1. |
| 3 | Patch cord, red, 2-ft | 3 | Cabinet No. 1. |
| 5 | Patch cord, black, 2½ ft | 3 | Cabinet No. 1. |
| 5 | Patch cord, red, 2½-ft | 3 | Cabinet No. 1. |
| 1 | Patch cord, black, 6½-ft | 3 | Cabinet No. 1. |
| 1 | Patch cord, red 6½-ft | 3 | Cabinet No. 1. |
| 4 | Patch cord, 5-db, black, 2½-ft | 3 | |
| 4 | Patch cord, 5-db, red, 2½-ft | 3 | |
| 4 | Patch cord, 5-db, black, 4½-ft | 3 | |
| 4 | Patch cord, 5-db, red, 4½-ft | 3 | |
| 1 | Pencil sharpener | 11 | |
| 1 | Shelter, Electrical Equipment S-141/G (modified) | 14 | |
| 1 | Sledge hammer | 11 | |
| 1 | Sledge hammer handle (spare) | 11 | |
| 1 | Sling assembly | 12, 31 | |
| 1 | Spring-release hook | 27 | Cabinet No. 1. |
| 1 | Switch, 2W-4W | 25 | |
| 1 | Switchbox, TT-4A/TG-TH-5/TG | 24 | |
| 1 | Tack board | 10 | |
| 2 | Telephone cord (4-ft) | 2 | |
| 1 | Telegraph Distortion Analyzer TDA-2 | 9 | Stored in rack No. 1. |
| 1 | Tiedown bar | 4, 10 | |
| 2 | Tiedown strap, floor | 2 | |
| 1 | Tube pin straightener | 11 | |

| Quantity (ea) | Item | Figure | Location |
|---|---|---|---|
| 1 | Tube puller, 7-pin | 11 | |
| 1 | Tube puller, 9-pin | 11 | |
| 1 | Tool roll kit including: | 2 | Cabinet No. 2. |
| | 1 bag with 10 pockets | | |
| | 1 adjustable wrench, 8 in. | | |
| | 1 Allen wrench set | | |
| | 1 Knife TL-29 | | |
| | 1 lineman's pliers | | |
| | 1 long-nosed pliers | | |
| | 1 screwdriver, 2-in. | | |
| | 1 screwdriver, 4-in. | | |
| | 1 screwdriver, 6-in. | | |
| | 1 socket wrench set | | |
| | 1 vise-grip pliers | | |
| 1 | Wastebasket | 8 | |
| 1 set | Technical manuals for major components (para 5) | 8 | |
| 1 set | Running spares, consisting of: | | |
| | 2 fluorescent lamps, 20-w (24-in.) | 5, 13 | Ceiling. |
| | 6 fluorescent lamp starters FS-2 | 5, 13 | Ceiling. |
| | 1 glowlamp NE-45 | 5 | Cabinet No. 2. |
| | 1 incandescent lamp 50-w | 5 | Cabinet No. 2. |
| | 3 power indicator neon lamps NE-34 | 5 | Cabinet No. 2. |

## 7. Common Names

Components of Terminal Telegraph-Telephone, AN/MCC–6 to which common names have been assigned are listed below.

| Component | Common name |
|---|---|
| Shelter, Electrical Equipment S–185/MCC–6. | Shelter. |
| Cable Assembly, Telephone CX–4566/G (250-ft). | 26-pair cable. |
| Connector, Plug, Electrical U–185B/G. | 26-pair connector. |
| Connector, Receptacle, Electrical U–187A/G. | 26-pair receptacle. |

## 8. Description of Terminal, Telegraph-Telephone AN/MCC–6

Components of the AN/MCC–6 (para 5 and 6), except the PU–294/G, are housed in Shelter, Electrical Equipment S–185/MCC–6. Major components are described in paragraph 9; shelter components are described in paragraph 10. The signal and power entrance boxes have receptacles and binding posts for making external cable and field-wire connections (fig. 17 and 18). Figures 6 and 7 are interior views of the AN/MCC–6; the locations of interior components are shown in figures 8 through 13.

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## 9. Description of Major Components of AN/MCC–6

*a. Shelter, Electrical Equipment S–185/MCC–6.* The Shelter (fig. 14) is the component of the AN/MCC–6 in which all components (except the PU–294/G) (para 5 and 6) are installed. The shelter can be transported by helicopter or truck and is fully insulated, watertight, and airtight. Two lighttight blower exhaust vents (not shown) with hinged covers and rain shields are located in the outside front wall. A two-section door, at the rear of the shelter, permits entrance to the shelter. The top section of the door is used while the shelter is truck-mounted and the truck tailgate is up.

(1) *Lighting.* Eight 20-watt fluorescent lights, arranged in two rows on the

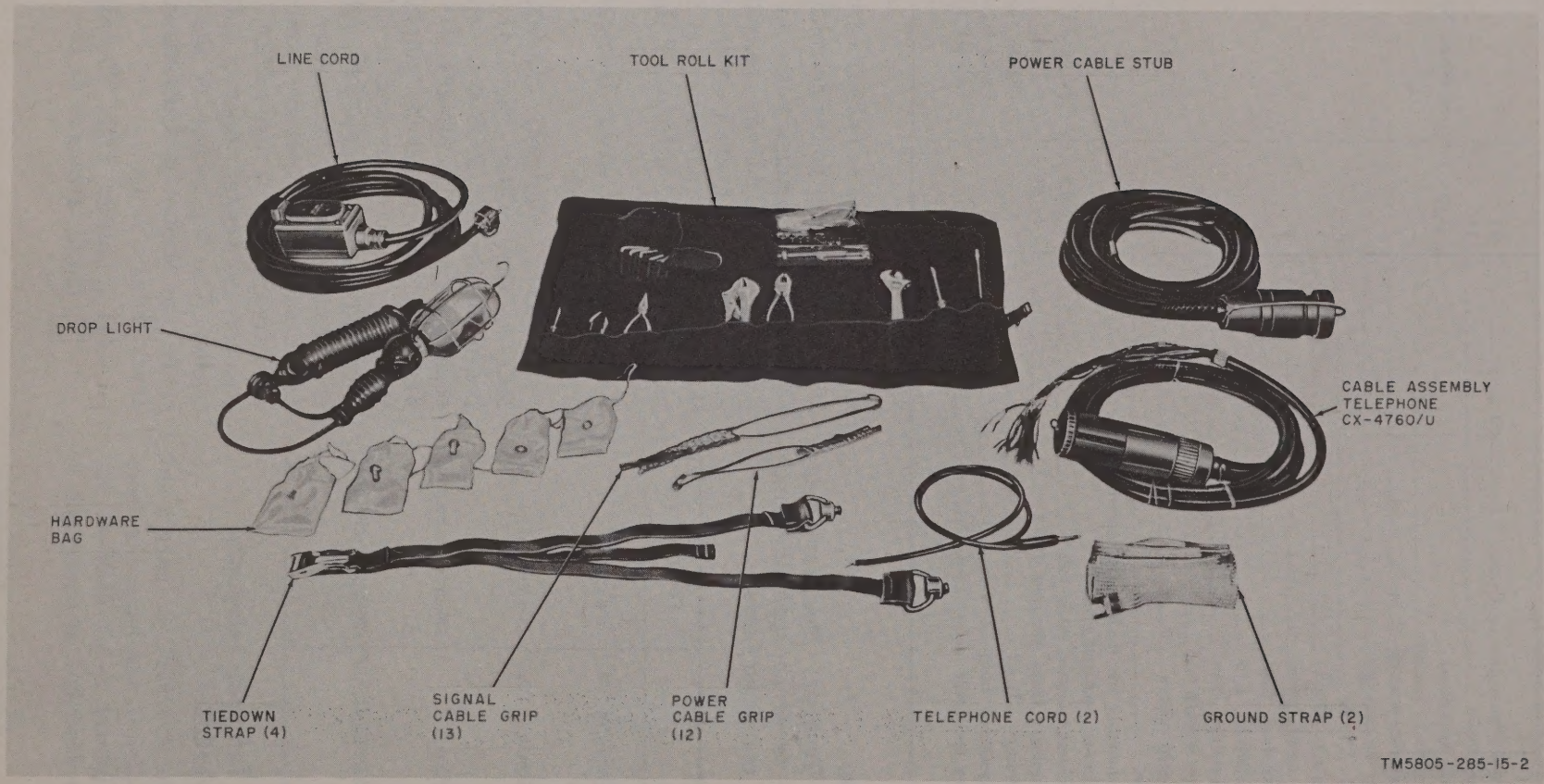



*Figure 2. Shelter, Electrical Equipment S 185/MCC–6, tools and accessories.*

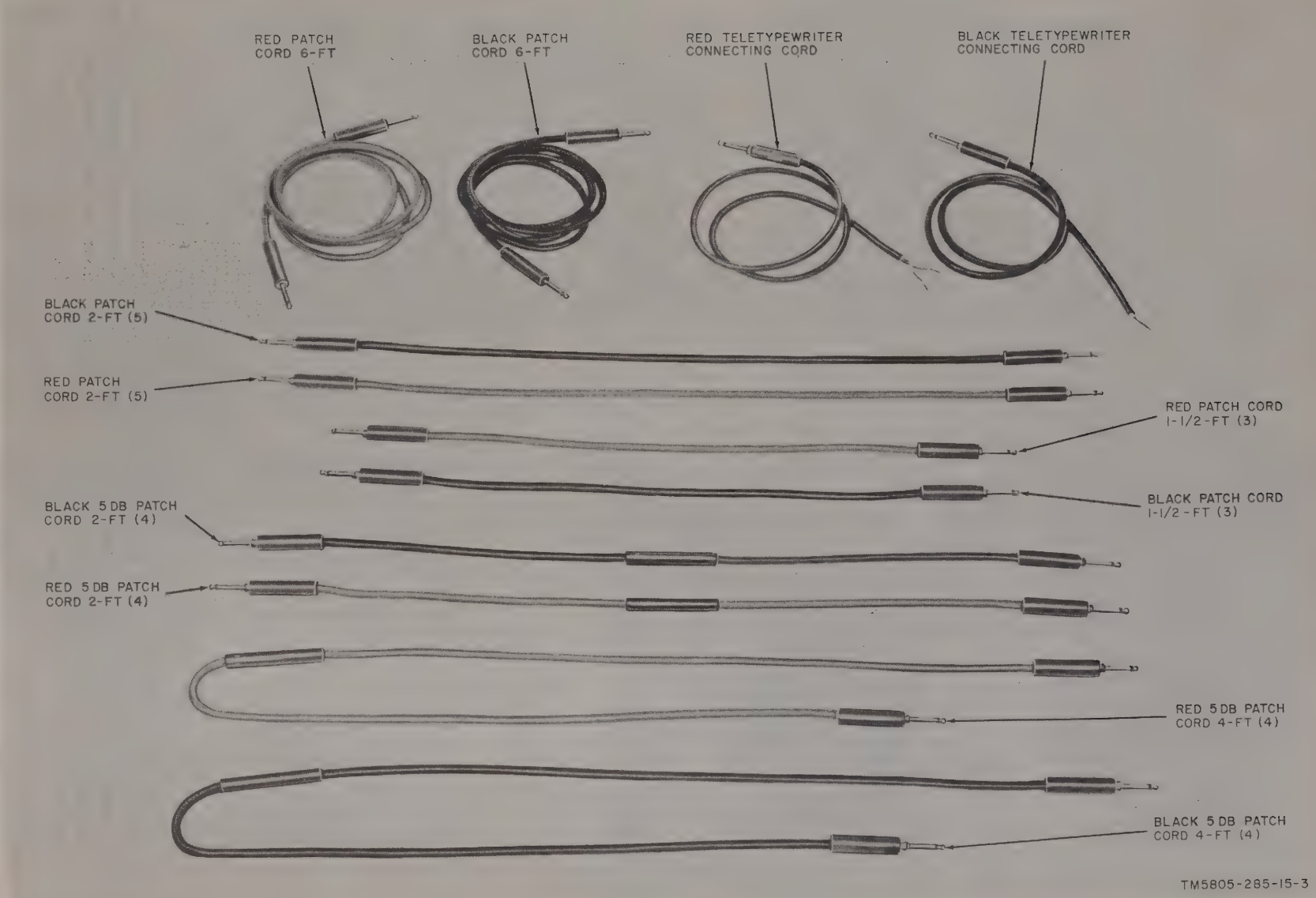



*Figure 3. Shelter, Electrical Equipment S–185/MCC–6, connecting and patch cords.*

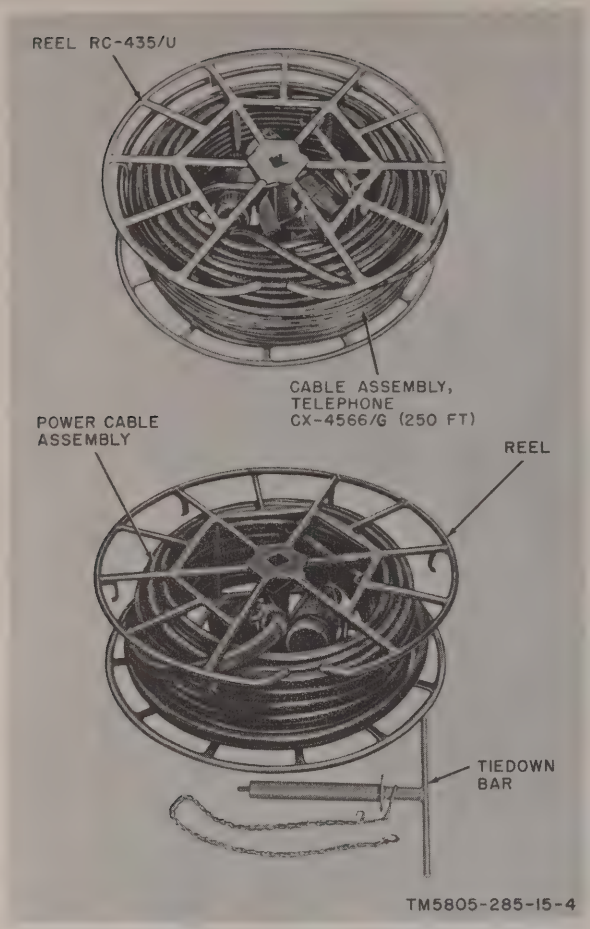



*Figure 4. Shelter, Electrical Equipment S–185/MCC 6, cable assemblies and reels.*

ceiling, provide lighting for the shelter. Two spare fluorescent lamps and six spare starters are clip-mounted on the ceiling (fig. 13). A POWER INDICATOR NEON LAMP (fig. 11) lights to show that ac power is connected to the shelter. An incandescent NIGHTLIGHT is located in the power duct above the tabletop (fig. 8).

(2) *Power and signal wiring.* Power wiring (fig. 39) and signal wiring (fig. 40) within the shelter are distributed separately in metal ducts which are equipped with removable covers. Within the shelter, ac power is distributed through circuit breaker switches in the power distribution panel to the individual circuits. Convenience and equipment ac power receptacles are provided in the power duct.

(3) *Power and signal entrance box* (fig. 17). The power and signal entrance box is located in the exterior of the rear wall (fig. 14). It contains receptacles to connect power cables, spiral-four cable connectors, and 26-pair cable connectors. It also contains binding posts for terminating circuits to Telephone Set TA–312/PT, and to Intercommunication Station LS–147C/FI. The 26-pair receptacles are connected in parallel with the binding posts in the binding post signal entrance box ( (4) below). The power and signal entrance box cover is equipped with folding side panels for weather protection and is secured with captive-screw fasteners.

(4) *Binding post signal entrance box* (fig. 18). The binding post signal entrance box, which is located in the exterior rear wall (fig. 14), contains 104 pairs of binding posts arranged in 8 rows. Pairs 1 through 24 of SIGNAL 1 through SIGNAL 4 are connected in parallel with the pins of the 26-pair receptacles (fig. 17) in the power and signal entrance box, and may be used in place of the 26-pair receptacles for field-wire line connections to the AN/MCC–6. Pairs 25 and 26 of SIGNAL 1 through 4 in the binding post signal entrance box are wired to the PHONE and INTERCOM jacks through the signal duct. The binding post signal entrance box cover is equipped with folding side panels for weather protection and is secured with captive-screw fasteners.

(5) *Power distribution panel* (fig. 19). The power distribution panel is mounted on the roadside wall (fig. 9). It contains a voltmeter, a current transformer (not shown), an ammeter, a MAIN circuit breaker, and

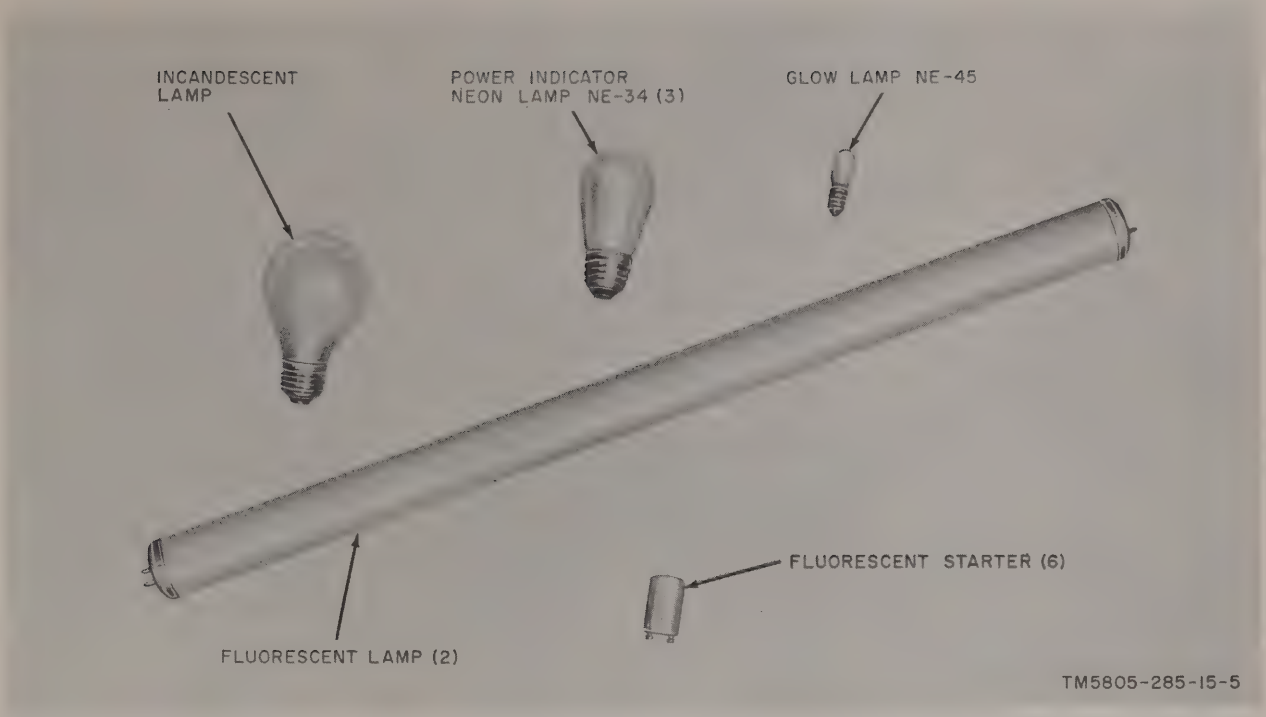



*Figure 5. Shelter, Electrical Equipment S–185/MCC–6, running spares.*

15 individual circuit breaker switches. A glowlamp is associated with each power distribution circuit breaker switch, and lights when the associated switch is at ON.

(6) *Signal entrance panel.* The signal entrance panel is mounted on the rear wall (fig. 11) and provides access to the rear of the binding posts in the binding post signal entrance box. It is equipped with a removable cover secured with captive-screw fasteners.

*b. Terminal, Telegraph AN/TCC–4.* The AN/TCC–4 (TM 11–5805–250–10) for SYSTEM 1 is mounted in RACK 1 and RACK 2 on the roadside of the shelter (fig. 9). The AN/TCC–4 for SYSTEM 2 is mounted in RACK 5 and RACK 6 on the curbside (fig. 8). The AN/TCC–4's are multichannel carrier telegraph terminals that may be arranged to provide 4 four-channel terminals, 2 eight-channel terminals, one eight- and 2 four-channel terminals, or one sixteen-channel terminal.

*c. Telephone Terminal AN/TCC–7.* The AN/TCC–7 (TM 11–2139–10) for SYSTEM 2 is mounted in RACK 3 and RACK 4 (fig. 9). The AN/TCC–7's are multichannel carrier telephone terminals which may be arranged to provide up to 24 two-wire or four-wire vf channels.

*d. Converter, Telegraph-Telephone Signal* TA–182/U. Twelve TA–182/U's (TM 11–5805–247–10) for SYSTEM 1, and 12 for SYSTEM 2 are mounted in the equipment racks on each side of the shelter (fig. 8 and 9). Four spare TA–182/U's are stored in racks at the front of the shelter. Each TA/182U is used with a channel of the AN/TCC–7 to provide vf signaling.

*e. Filter Assembly, Electrical F–98/U.* Eight F–98/U's (TM 11–5805–254–15) are stored in racks in the front corners of the shelter (fig. 8 and 9). The F–98/U is used to provide simultaneous teletypewriter and telephone transmission on a two-wire line.

*f. Terminal, Telegraph TH–5/TG.* One TH–5/TG (TM 11–5805–246–10), mounted in RACK 1 on the roadside of the shelter (fig. 9), permits the TT–4(*)/TG to be used for monitoring vf teletypewriter circuits. The TH–5/TG is connected to the patch panel through the 2W-4W switch.




*Figure 6. Terminal, Telegraph-Telephone AN/MCC-6, interior rear view.*




*Figure 7. Terminal, Telegraph-Telephone AN/MCC-6, interior front view.*

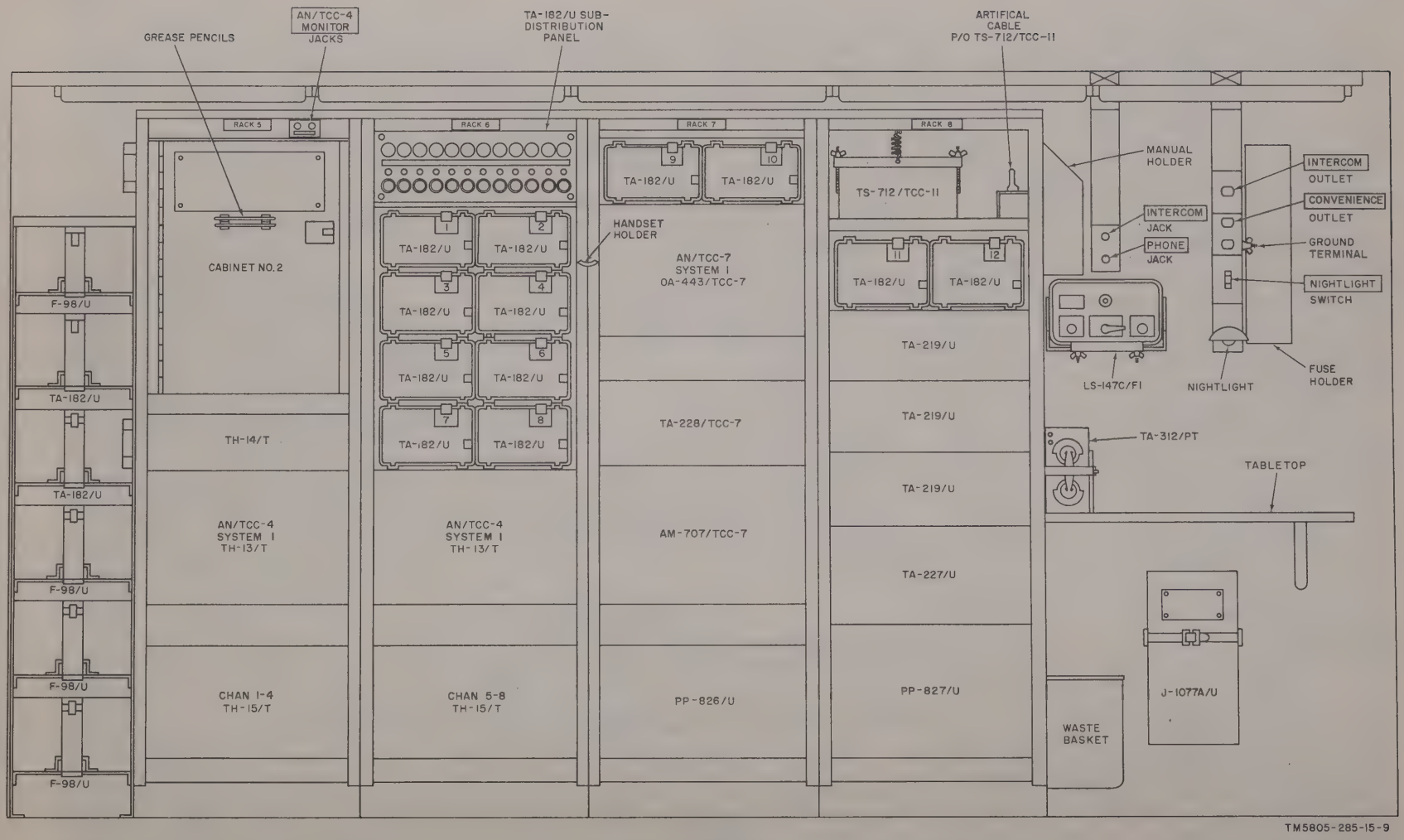



*Figure 8. Terminal, Telegraph-Telephone AN/MCC-6, curbside wall, elevation diagram.*

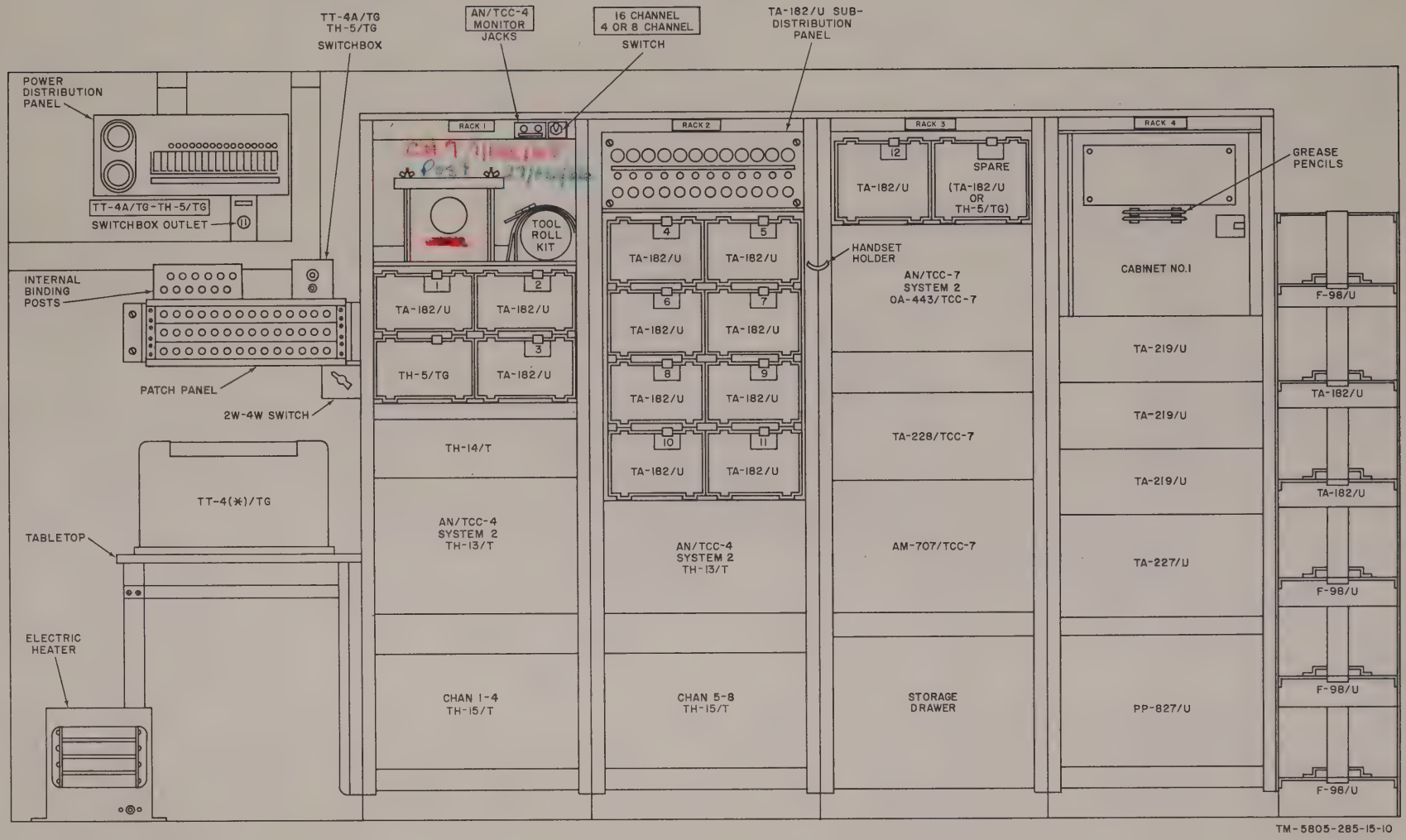



*Figure 9. Terminal, Telegraph-Telephone AN/MCC-6, roadside wall, elevation diagram.*

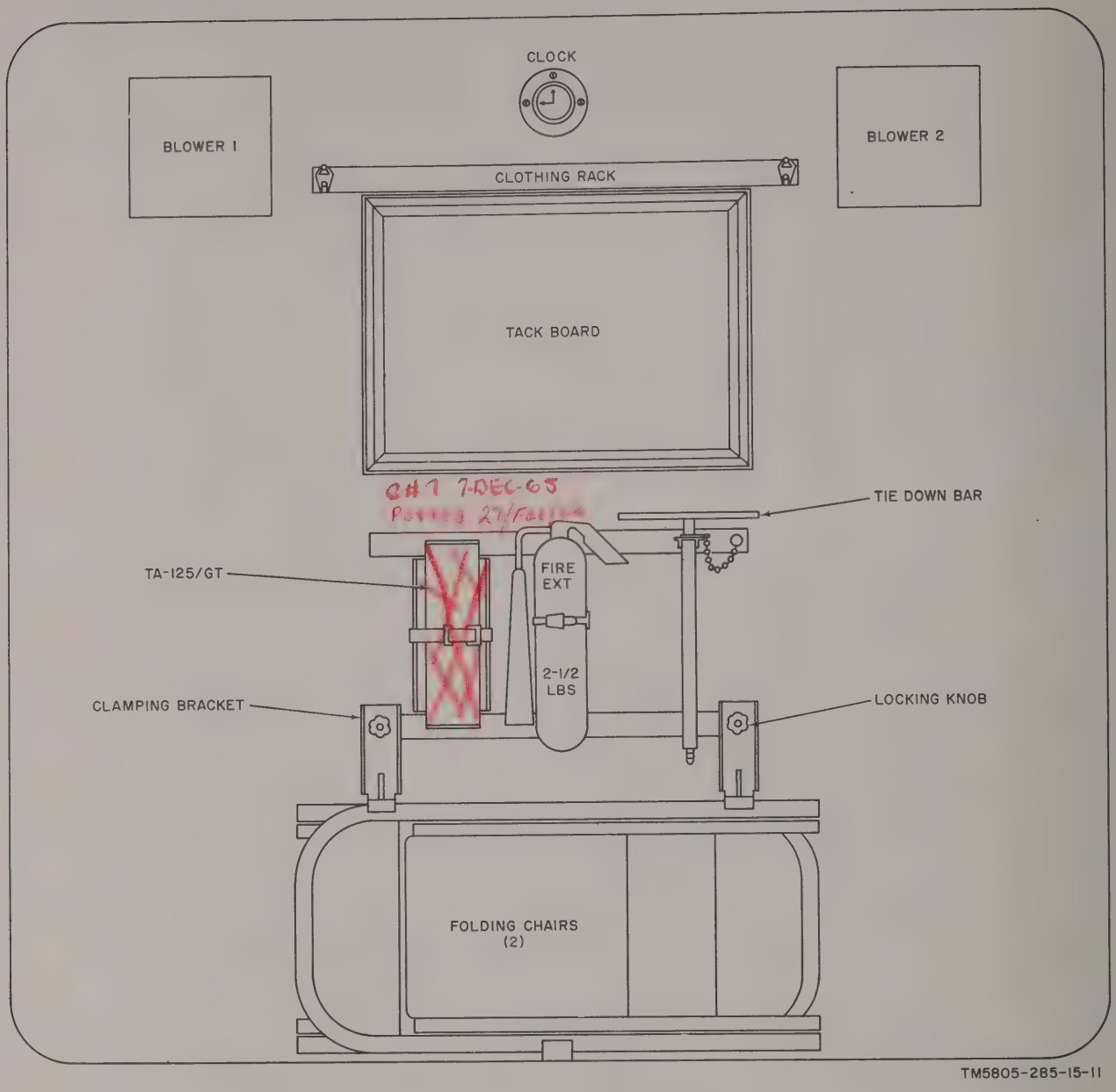



*Figure 10. Terminal, Telegraph-Telephone AN/MCC-6, front wall, elevation diagram.*

*g. Teletypewriter TT-4(*)/TG.* A TT-4(*)/TG (TM 11-5815-206-12) is mounted on the roadside wall tabletop (fig. 9). It is used for monitoring teletypewriter circuits.

*h. Telephone Set TA-312/PT.* One TA-312/PT (TM 11-2155) (less carrying case) is mounted on the curbside tabletop (fig. 8); the other is stowed in a storage cabinet. The mounted TA-312/PT is arranged for manual local-battery operation, and is used for local telephone communication. The stored TA-312/PT is used with the TS-712/TCC-11 (para 14*j*).

*i. Telegraph Distortion Analyzer TDA-2.* The TDA-2 is stored on the top shelf in RACK 1 (fig. 9). It is used to display and measure bias and distortion of direct-current (dc) telegraph signals. Change #1 7/Feb/W Posted 27/Feb/W

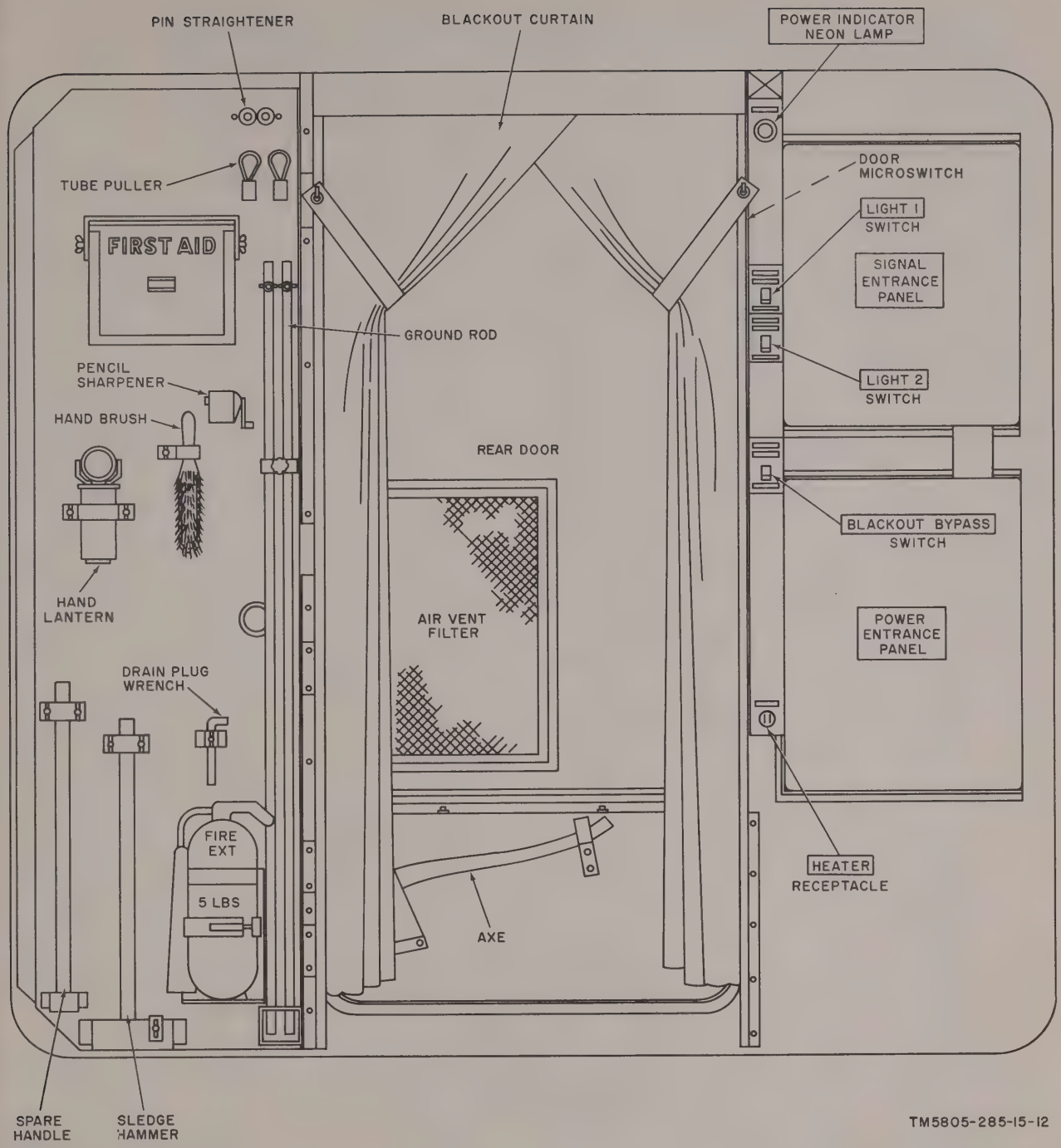



*Figure 11. Terminal, Telegraph-Telephone AN/MCC-6, rear wall, elevation diagram.*

*j. Terminal Box TA–125/GT.* The TA–125/GT (TM 11–2138) (fig. 10) is a 24-pair terminal box used to interconnect field-wire circuits during testing, patching, and monitoring procedures.

*k. Trailer-Mounted Gasoline Engine Generator Set PU–294/G.* The PU–294/G consists of two Gasoline Engine Generator Sets PU–286/G (TM 11–940A) mounted on a standard M–105A1 cargo trailer. It is equipped with ten 5-gallon gasoline cans, three filler tubes, grounding facilities, and accessories. It sup-

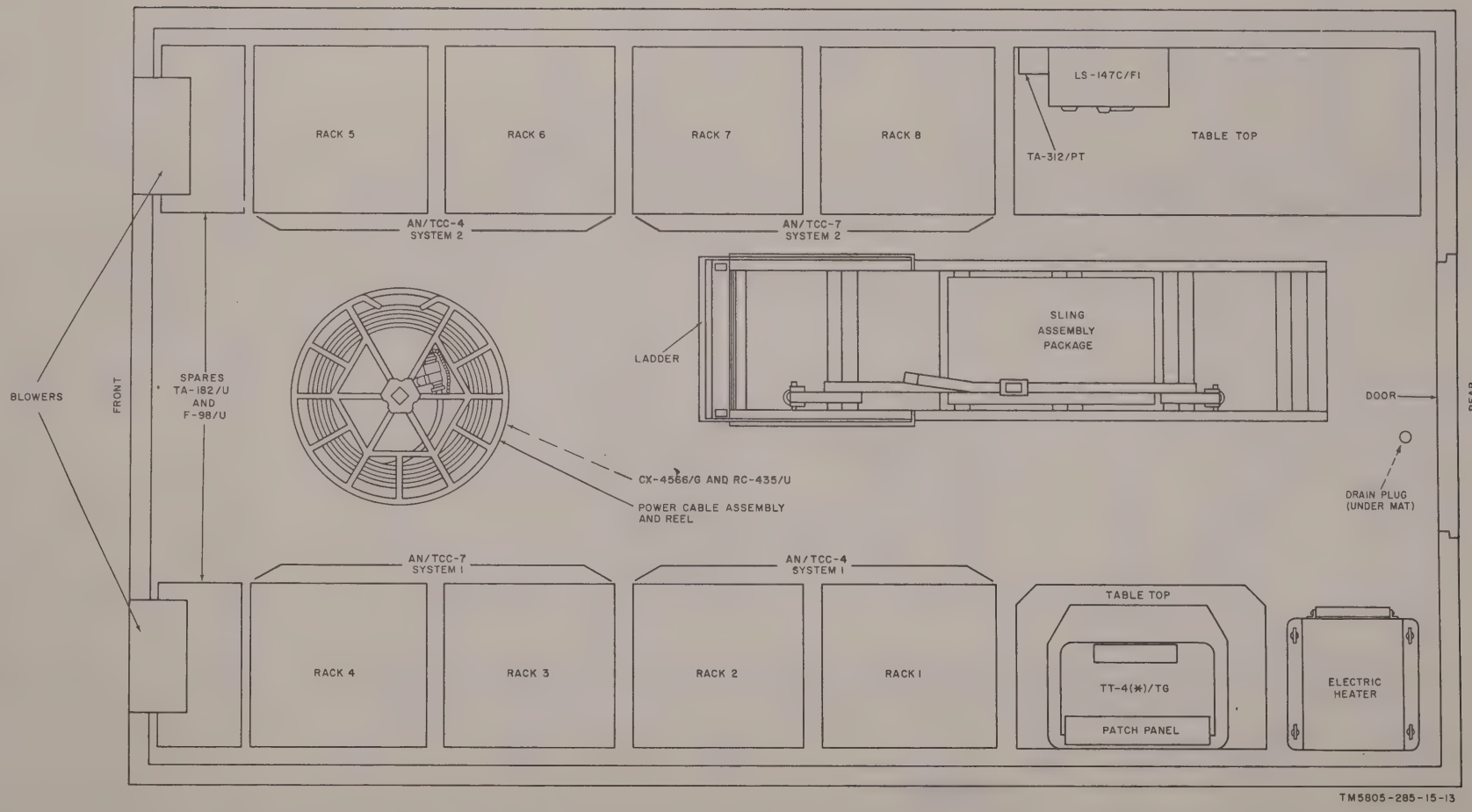



*Figure 12. Terminal, Telegraph-Telephone AN/MCC-6, floor plan.*

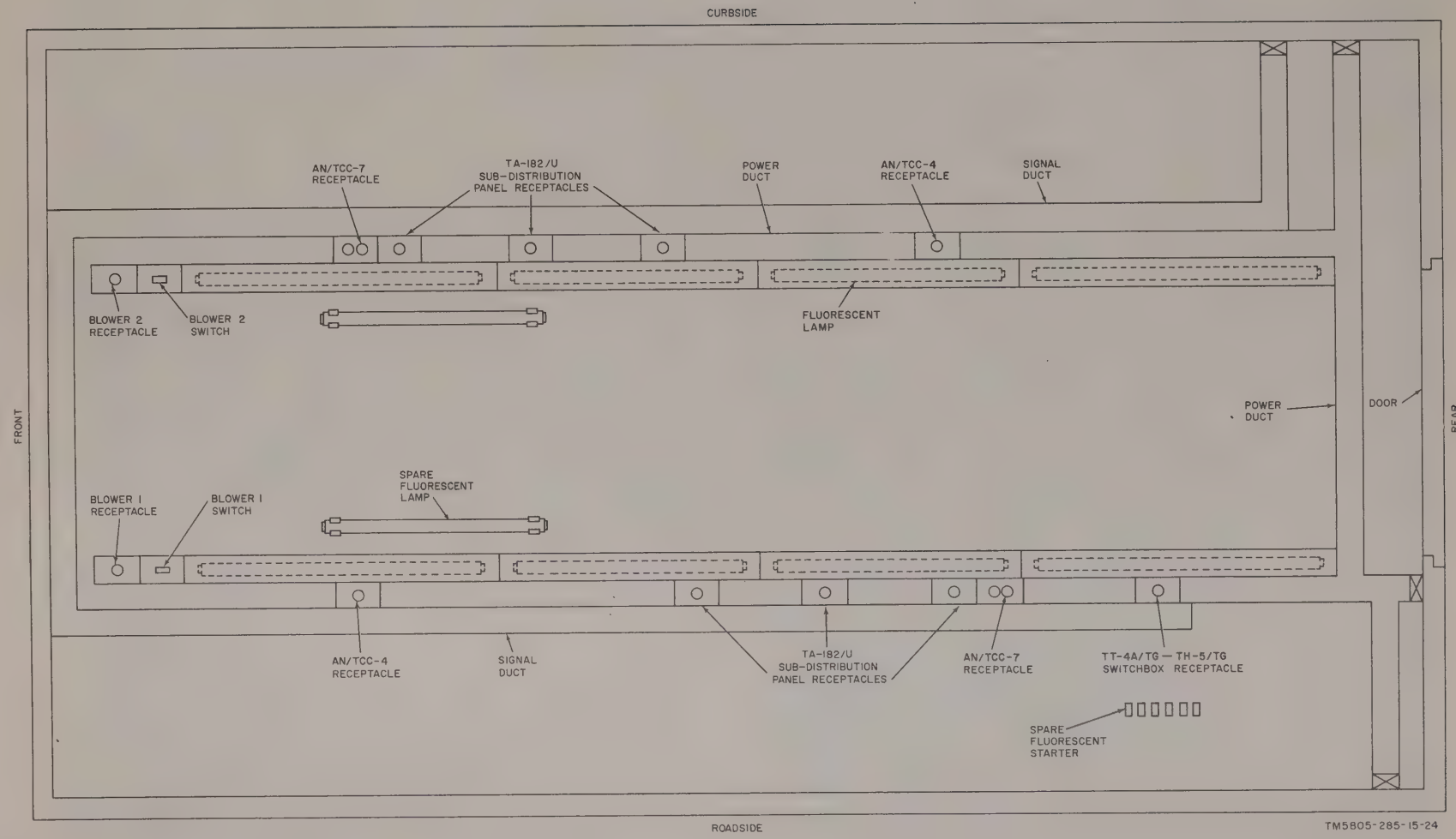



*Figure 13. Terminal, Telegraph-Telephone AN/MCC-6, ceiling plan.*

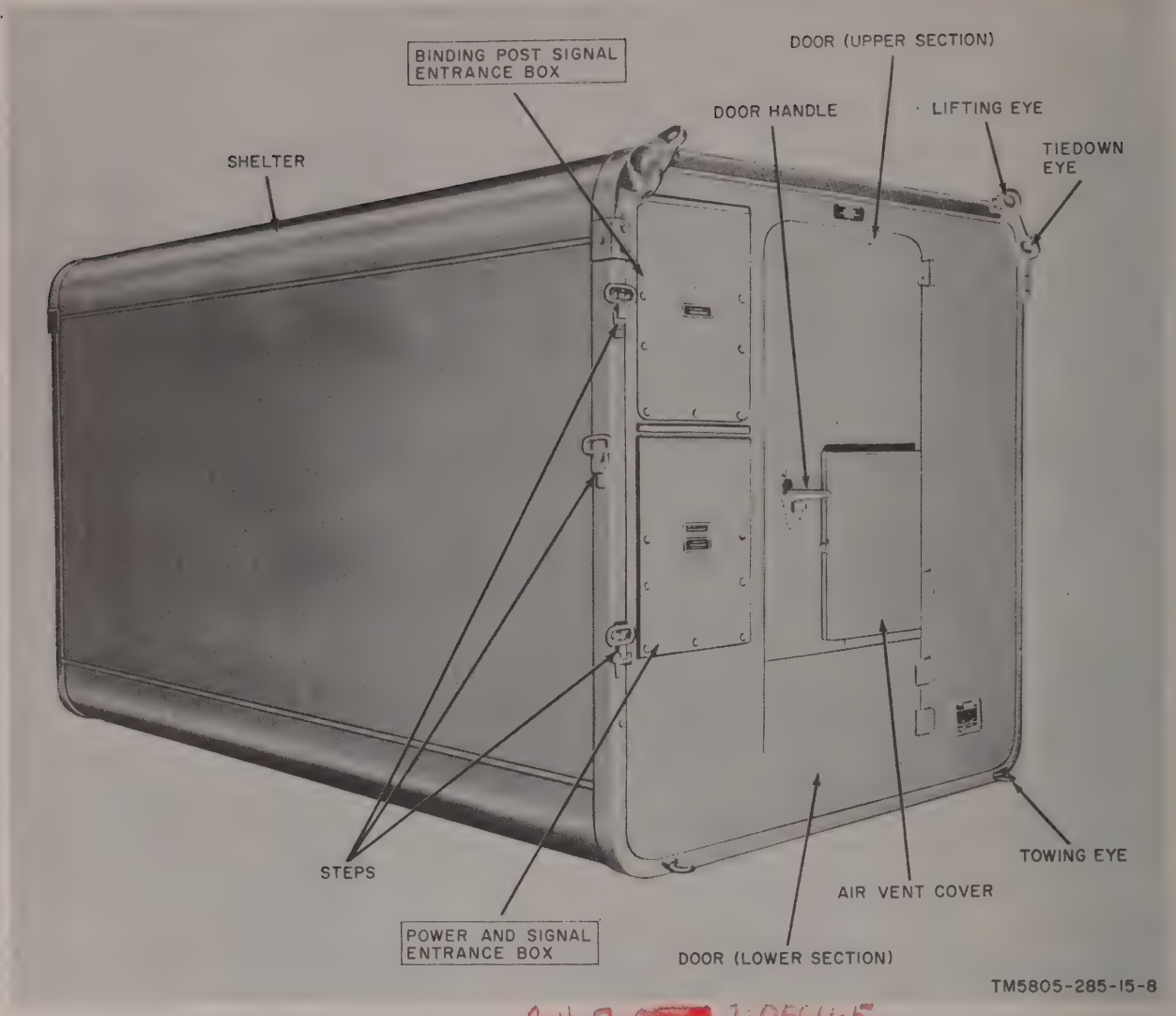



*Figure 14. Shelter, Electrical Equipment ~~S-185/MCC-6~~, exterior view.*

~~plies ac power to the AN/MCC-6.~~

## 10. Description of Shelter Components

*a. Intercommunication Station LS–147C/FI* (fig. 20). The LS–147C/FI is shelf-mounted on the curbside wall (fig. 8). It provides two-way nonprivate communication in a system consisting of other equivalent equipments. The signal circuit is extended to the INTERCOM jack on the signal duct through a cord and plug connected to binding posts at the rear of the LS–147C/FI.

*b. Electric Heater.* (fig. 21). The heater is secured in its mounting base on the floor of the shelter (fig. 9). The heater contains a 1.5-kilowatt heating element and a fan for air circulation. The fan operates when the heating element is turned on, but may also be operated independently. Horizontal louvers on the front of the unit are adjustable to deflect the air-stream. The controls are located on top of the unit; the power cord extends through a hole in the right side of the heater cover.

*c. Exhaust Blowers.* Two exhaust blowers, mounted on the front wall (fig. 19), are equipped with removable covers that muffle the sound when the blowers are operating. Ex-




*Figure 15. Shelter, Electrical Equipment ~~S-105/MCC-6~~, interior rear view.*

CH #7

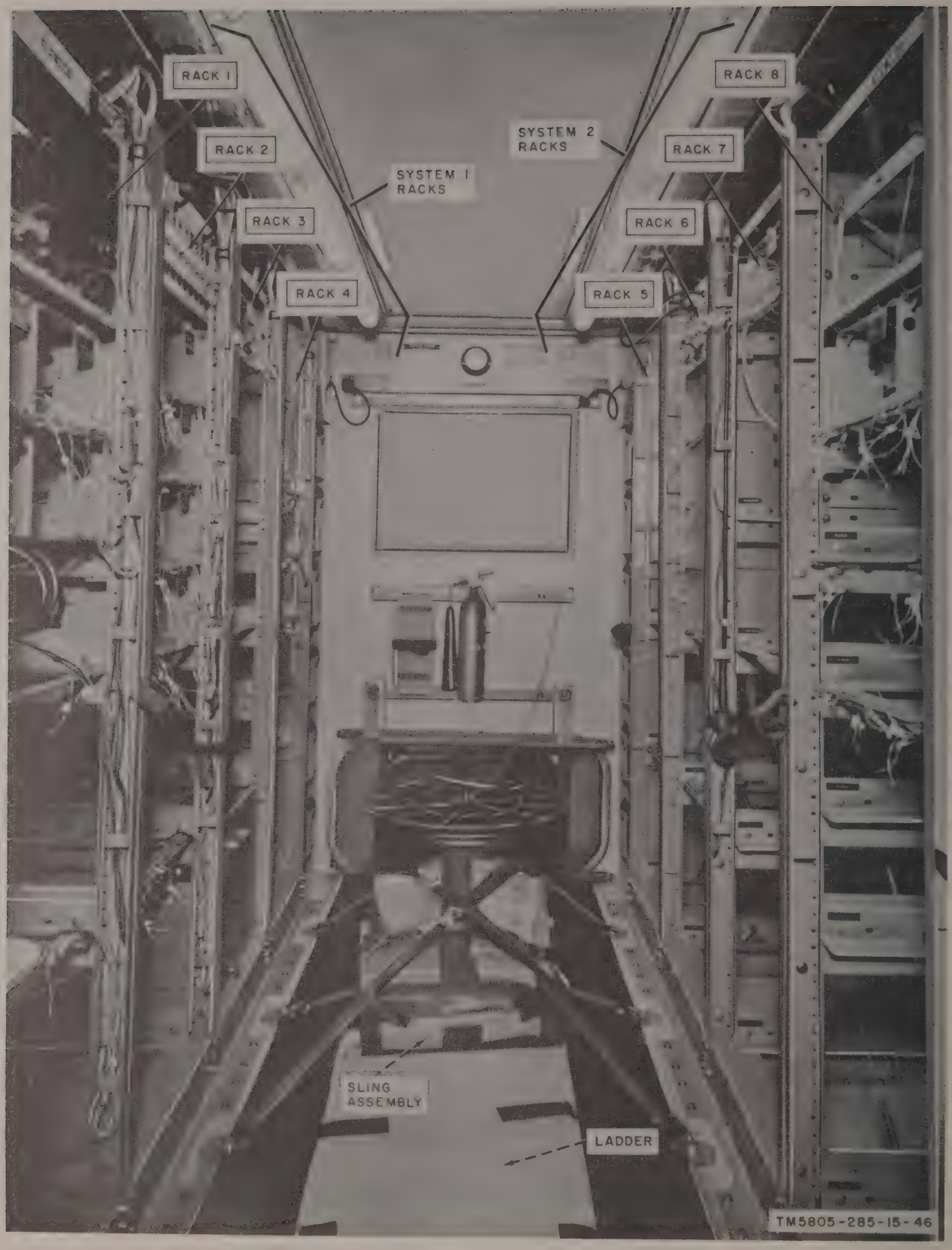



*Figure 16. Shelter Electrical Equipment ~~S-185/MCC-6~~, interior front view.*

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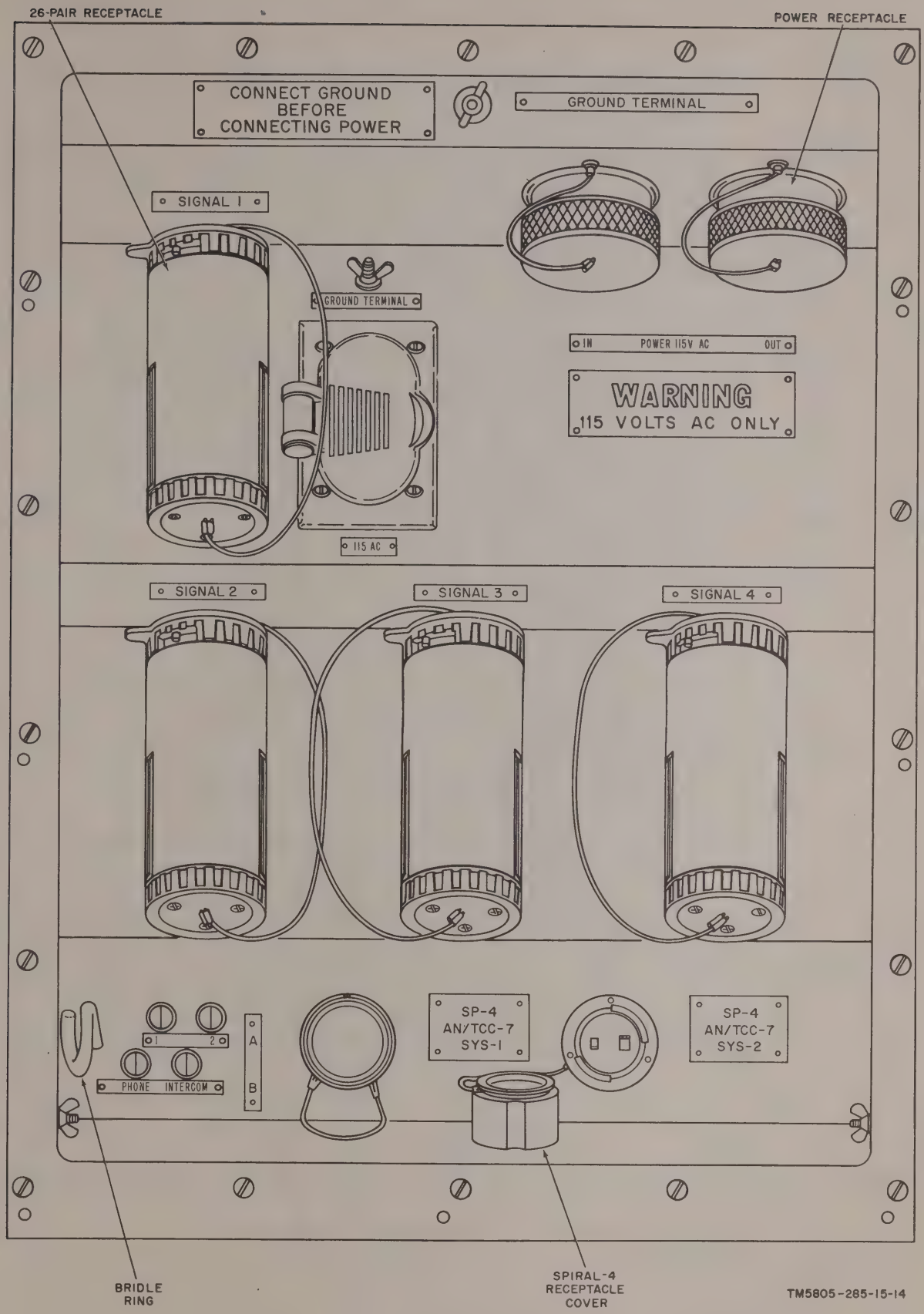



*Figure 17. Power and signal entrance box, cover removed.*

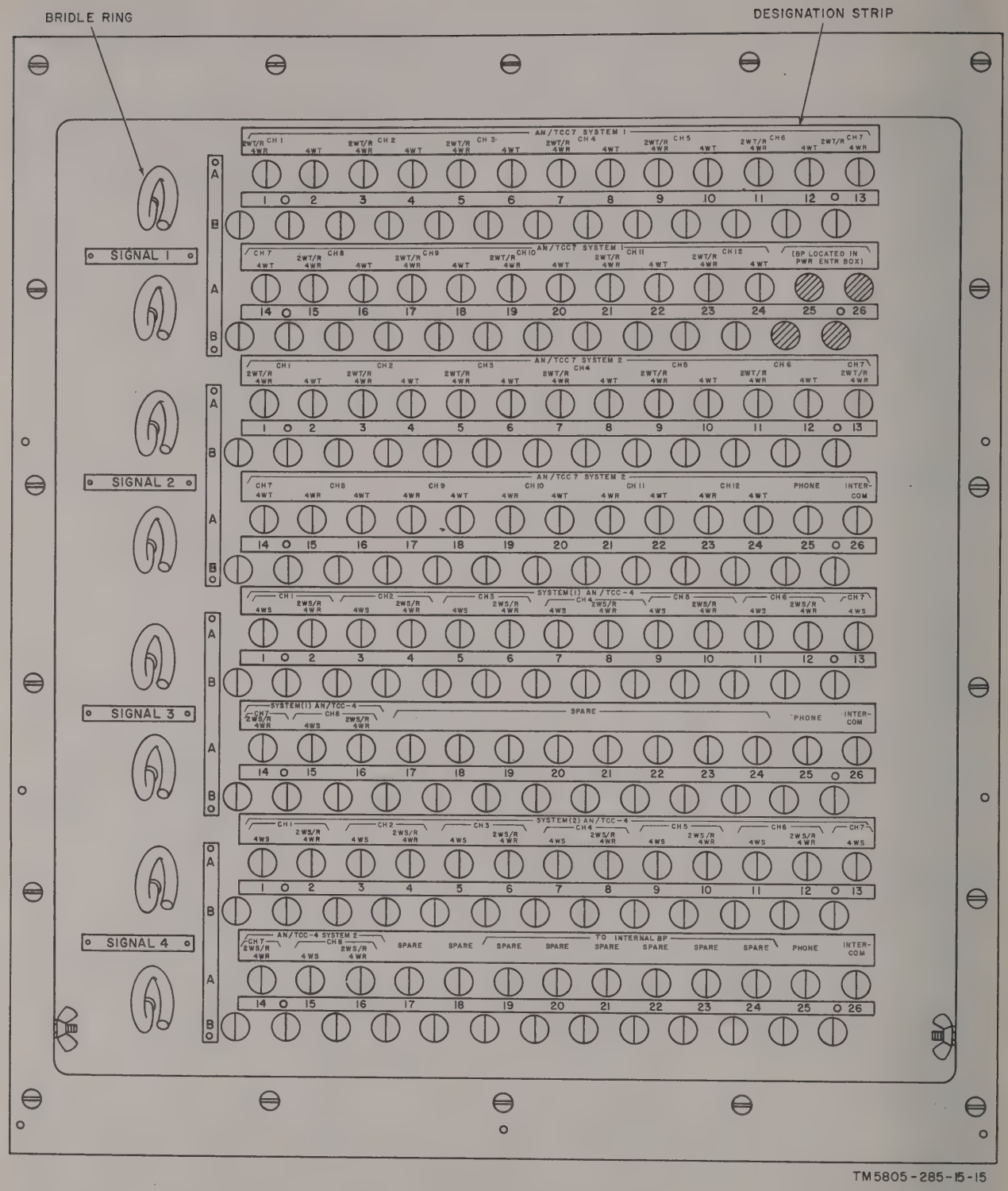



*Figure 18. Binding post signal entrance box, cover removed.*

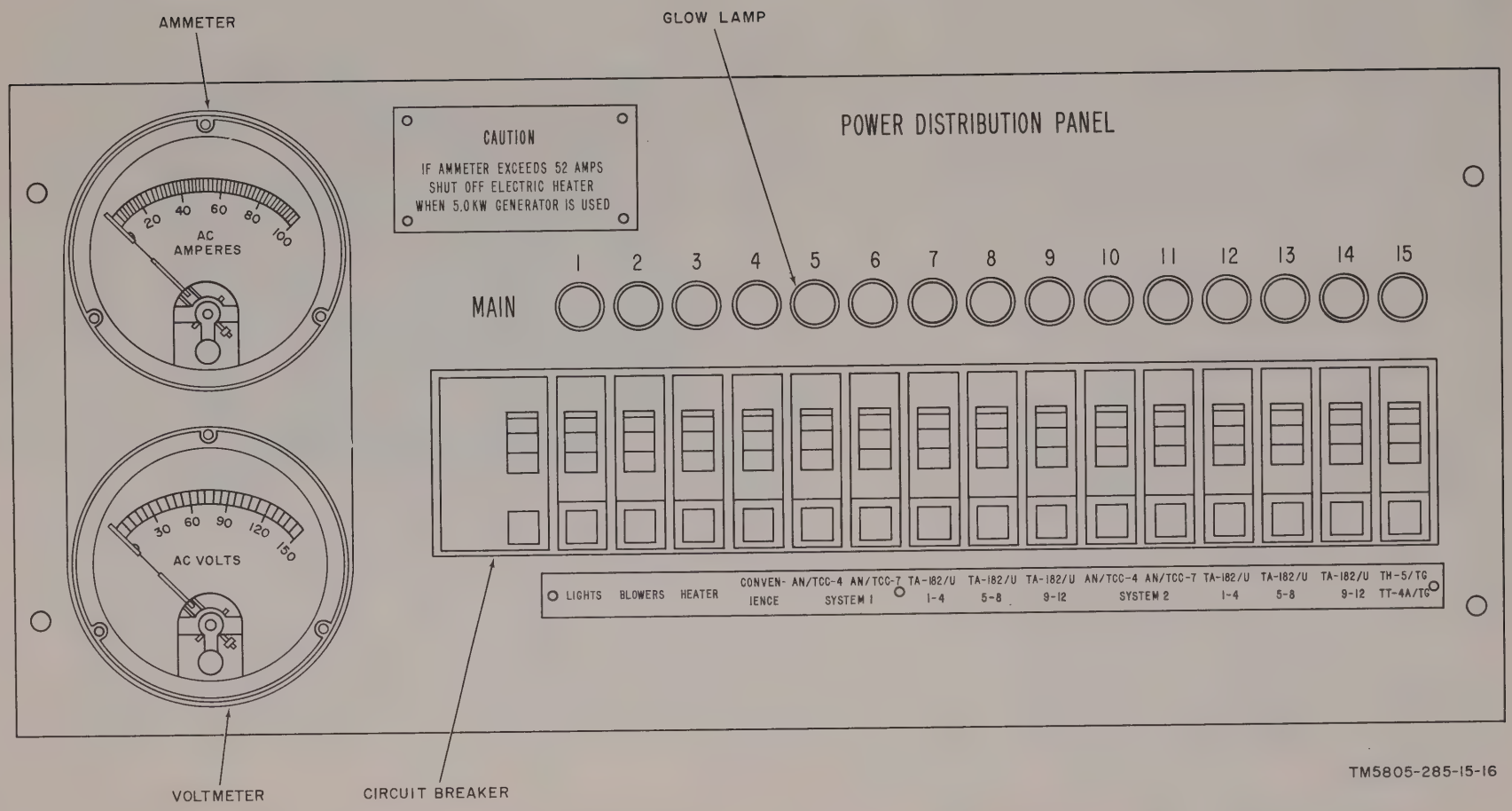



*Figure 19. Power distribution panel, controls, meters, and indicators.*

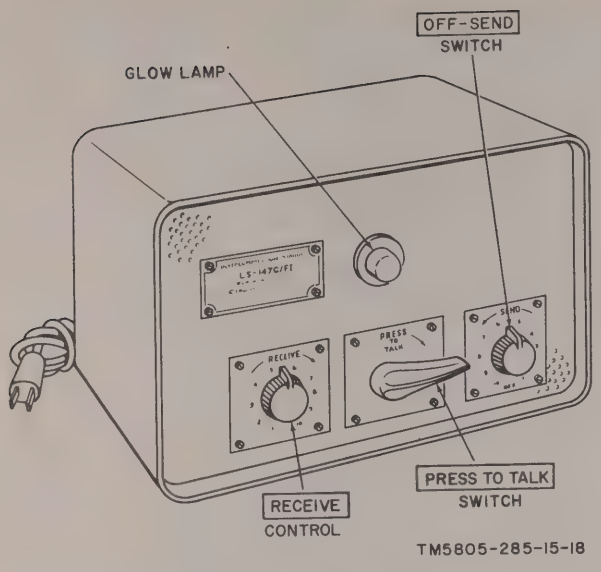



*Figure 20. Intercommunication Station LS–147C/FI.*

haust vents provide exhaust access to the outside of the shelter.

*d. Patch Panel* (fig. 22). The patch panel is mounted on the rear roadside wall (fig. 9) and provides for optional system operation of the AN/MCC–6. The patch cords are located on equipment rack hooks.

*e. TA–182/U subdistribution panel* (fig. 23). Two TA–182/U subdistribution panels are provided; one in RACK 2 (fig. 9) for SYSTEM NO. 2, the other in RACK 6 (fig. 8) for SYSTEM NO. 1. The panels consist of 12 ON-OFF switches with associated glowlamps and power receptacles. Each panel controls and distributes power to six TA–182/U's.

*f. TT–4A/TG–TH–5/TG Switchbox* (fig. 24). The TT–4A/TG–TH–5/TG switchbox, mounted on the roadside wall below the patch

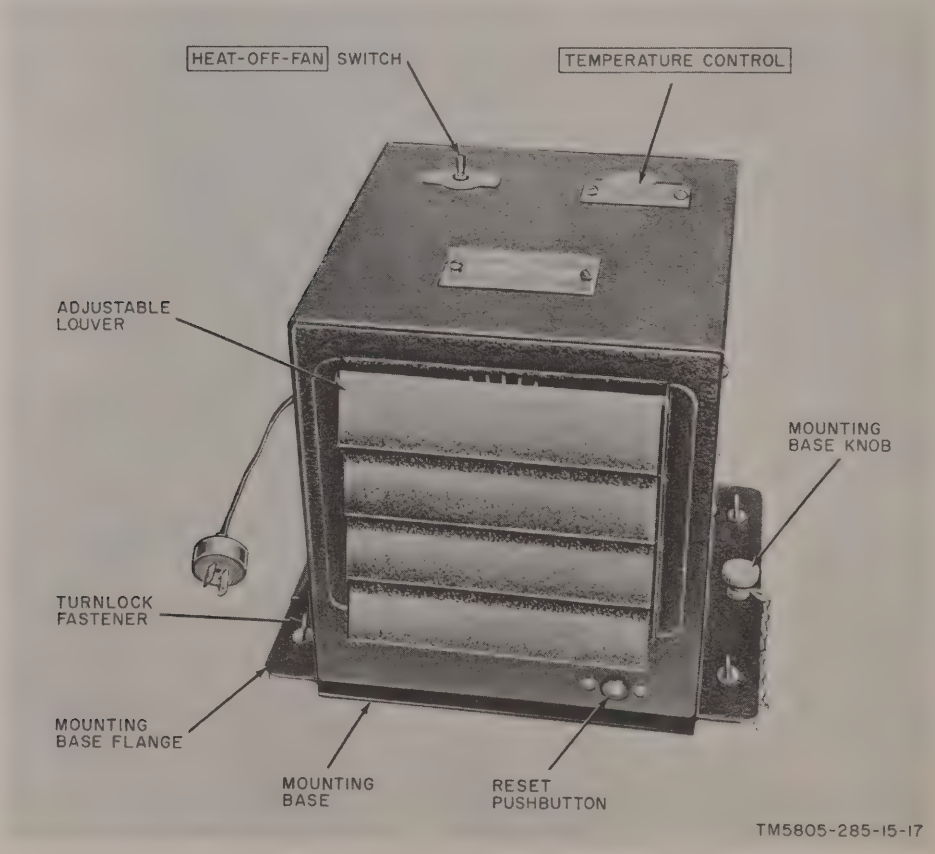



*Figure 21. Electric heater.*

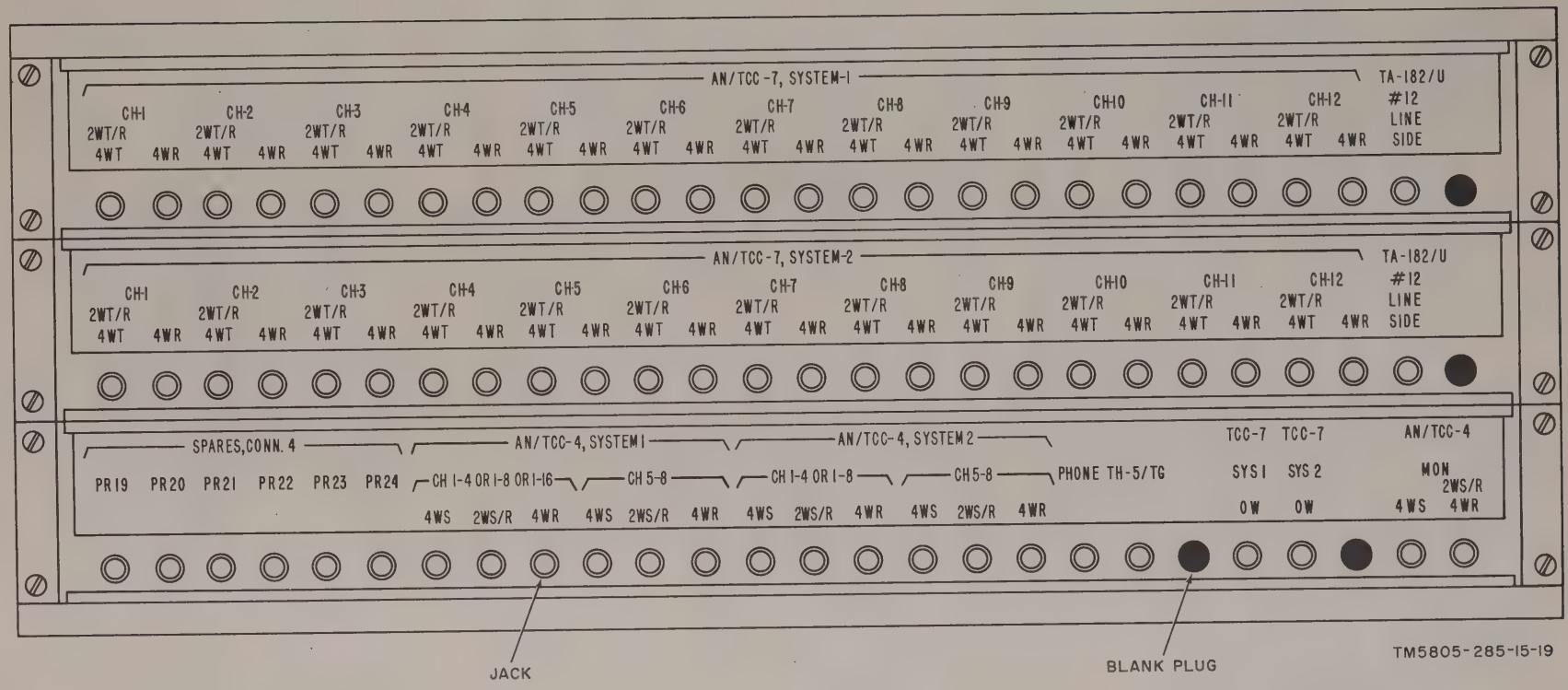



*Figure 22. Patch panel.*

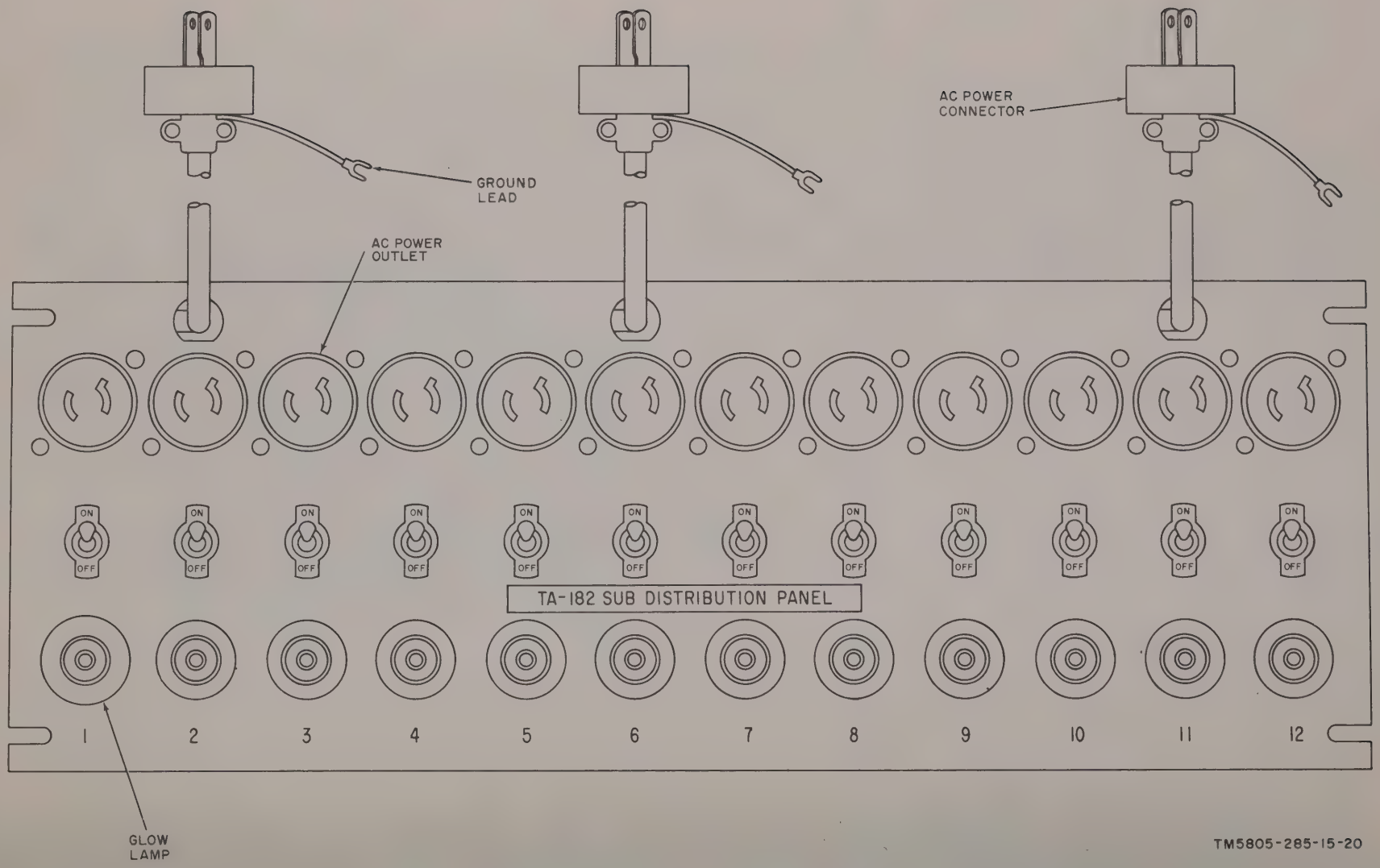



*Figure 23. TA-182/U subdistribution panel.*

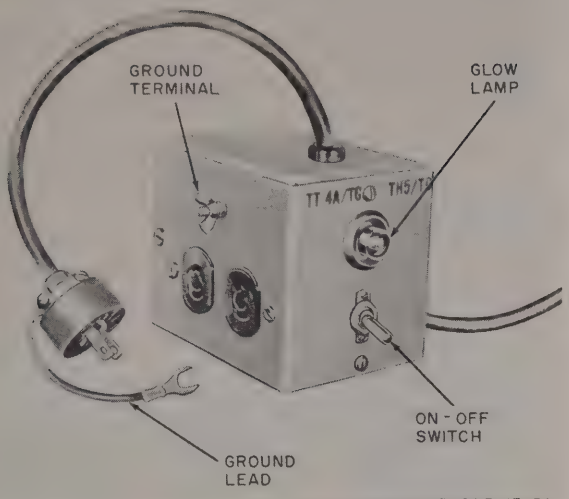



*Figure 24. TT–4A/TG–TH–5/TG switchbox.*

panel (fig. 9), controls ac power to the TT–4(*)/TG and TH–5/TG. It consists of an ON-OFF switch, a glowlamp, and a duplex receptacle.

*g. 2W-4W Switch* (fig. 25). The 2W-4W switch is mounted on RACK 1 below the patch panel (fig. 9). It arranges the TH–5/TG for two-wire, half duplex four-wire half-duplex, or four-wire full-duplex operation. It is equipped with connecting cords to facilitate connections at the patch panel.

*h. 16 CHANNEL-4 OR 8 CHANNEL Switch.* The 16 CHANNEL-4 OR 8 CHANNEL switch is located in the top of RACK 1 (fig. 9). It is used in conjunction with the CHANNELS switches on the AN/TCC–4's (TM 11–5805–250–10) to arrange the AN/TCC–4's for operation as a 16-channel terminal, or two 8-channel terminals, or four 4-channel terminals.

*i. Spare Binding Post Panel.* Six pairs of internal binding posts are mounted above the patch panel on the roadside wall (fig. 9) and provide access inside the shelter to the spare line circuits. Each pair is parallel-connected with pairs 19 through 24 in the 26-pair receptacle SIGNAL 4 in the power and signal entrance box (fig. 17) and extended to patch panel jacks, SPARES, CONN 4, PR 19 through PR 24 (fig. 22).

*j. AN/TCC–4 MONITOR Jacks.* The AN/TCC–4 MONITOR jacks are mounted on top of RACK 1 and RACK 5. These jacks are connected in parallel with the AN/TCC–4 MONITOR jacks in the patch panel. They are used as a trunk circuit for monitoring teletypewriter loop channels of the AN/TCC–4.

*k. Distribution Box J–1077A/U.* The J–1077A/U is mounted beneath the tabletop on the curbside wall (fig. 8). It is a terminal box that can be used to interconnect field wires with a 26-pair cable connector at a remote location.

*l. Clock.* An 8-day, luminous-dial, 24-hour clock is mounted on the front wall (fig. 10). A knob on the left-hand side of the clock is used for winding and setting the clock.

*m. Cables and Cords.*

(1) *Power cable assembly and reel* (fig.

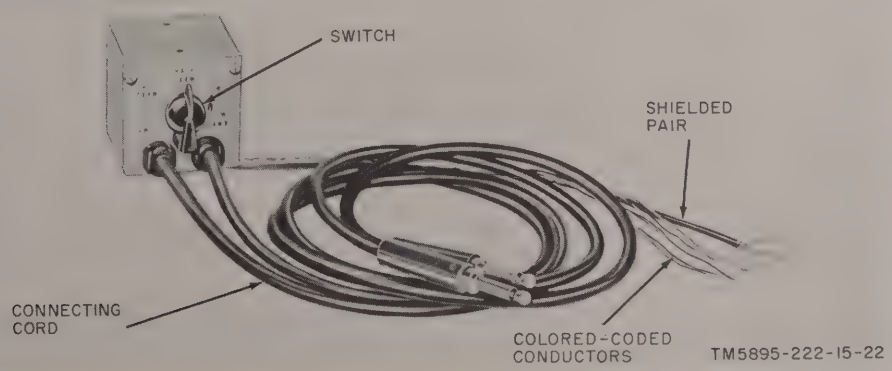



*Figure 25. 2W-4W switch.*

4). The power cable assembly is wound on a reel and secured by a tiedown bar to the floor at the front of the shelter (fig. 12). It is a 100-foot, three-conductor cable with a watertight power connector on each end. It is used to connect ac power to the shelter.

(2) *Power cable stub* (fig. 2). The power cable stub is stored in cabinet No. 1 (fig. 9). It is a 15-foot, three-conductor cable with a watertight power connector on one end and red, white, and black prepared leads on the other end. It is used for connecting the shelter to a power source.

(3) *Cable assembly, Telephone CX–4566/G (250 ft)* (fig. 4). The CX–4566/G consists of a 250-foot cable with a 26-pair cable connector on each end and wound on Reel RC–435/U. The CX–4566/G and RC–435/U are secured to the front floor of the shelter under the power cable assembly and reel (fig. 12).

(4) *Patch cords* (fig. 3). The patch cords are stored in cabinet No. 2 (fig. 8). They are two-conductor cords equipped with telephone plugs at each end. Those with built-in 5-decibel (db) pads are clearly indicated.

(5) *Telephone cords* (fig. 3). The telephone cords are two-conductor cords with a telephone plug on one end and prepared leads on the other. The cards are installed for use with the TA–312/PT and the LS–147C/FI.

(6) *Teletypewriter connecting cords* (fig. 3). The teletypewriter connecting cords stored in cabinet No. 2, are two-conductor cords with prepared leads on one end and telephone plugs on the other. When they are attached to the TT–4(*)/TG, they provide connection of the TT–4(*)/TG to patch panel jacks.

# CHAPTER 2

# INSTALLATION

## Section I. INSTALLATION OF EQUIPMENT

### 11. General

When an AN/MCC–6 is received, perform the procedures in *a* and *l* through *o* below. When an S–185/MCC–6 is received, perform the procedures in *a* through *o* below.

*a.* Uncrate and check the equipment (para 12).

*b.* Install the AN/TCC–7's (para 14 *a*).

*c.* Install the AN/TCC–4's (para 14*b*).

*d.* Install the TA–182/U's (para 14*c*).

*e.* Install the TT–4(*)/TG (para 14*d*).

*f.* Install the TH–5/TG (para 14*e*).

*g.* Store Electrical Filter Assemblies F–98/U (para 14*f*).

*h.* Install and store the TA–312/PT's (para 14*g*).

*i.* Store the TA–125/GT (para 14*h*).

*j.* Store the multimeter (para 14*i*).

*k.* Store the TS–712/TCC–11 (para 14*j*).

*l.* Make the equipment connections (para 15–22).

*m.* Test the equipment (para 23, 24).

*n.* Perform the preoperational procedures (para 25–30).

*o.* Make the signal connections (para 31–34).

### 12. Uncrating and Checking

*a. Uncrating Shelter* (fig. 26).

(1) Remove the front and rear panels by removing the bolts. Remove the top and side panels by removing the bolts.

(2) Remove the four lag screws that secure the base of the crate to the shelter.

(3) Remove the sling assembly from its package on the floor of the shelter (fig. 12).

(4) Use a device capable of lifting 5,000 pounds to remove the shelter from the base of the crate. Attach the sling assemblies to the lifting eyes on the top corners of the shelter (fig. 29 and para 26) and raise the shelter off the base of the crate.

(5) Remove the base of the crate and lower the shelter.

*b. Removing and Checking Shelter Contents.* Check the contents of the S–185/MCC–6 against the packing list. If the packing list is not available, use the table of components (para 6) to check the equipment which *probably* was packed.

*c. Unpacking and Checking Major Components.* When the major components (para 5) for the AN/MCC–6 are received in packing cases other than their own transit cases, follow the unpacking instructions given in the appropriate technical manual. After unpacking, check the equipment against the packing list in the containers, if available. The table of components in the appropriate technical manual can be used when a packing list is not available to check the equipment which *probably* was packed.

### 13. Test Equipment and Tools Required

The following items are required to install and connect equipment in the AN/MCC–6:

Spring-release hook (stored in cabinet No. 1 (fig. 9) )

Tool roll kit (fig. 2 and para 6)

*Note.* Grounding of the shelter (para 27) and power connections (para 28) must be completed before the lighting and convenience receptacles can be used.

### 14. Installation of Major Components

*a. Telephone Terminals AN/TCC–7.* All components of the AN/TCC–7's are provided except one PP–826/U (600-volt power supply)

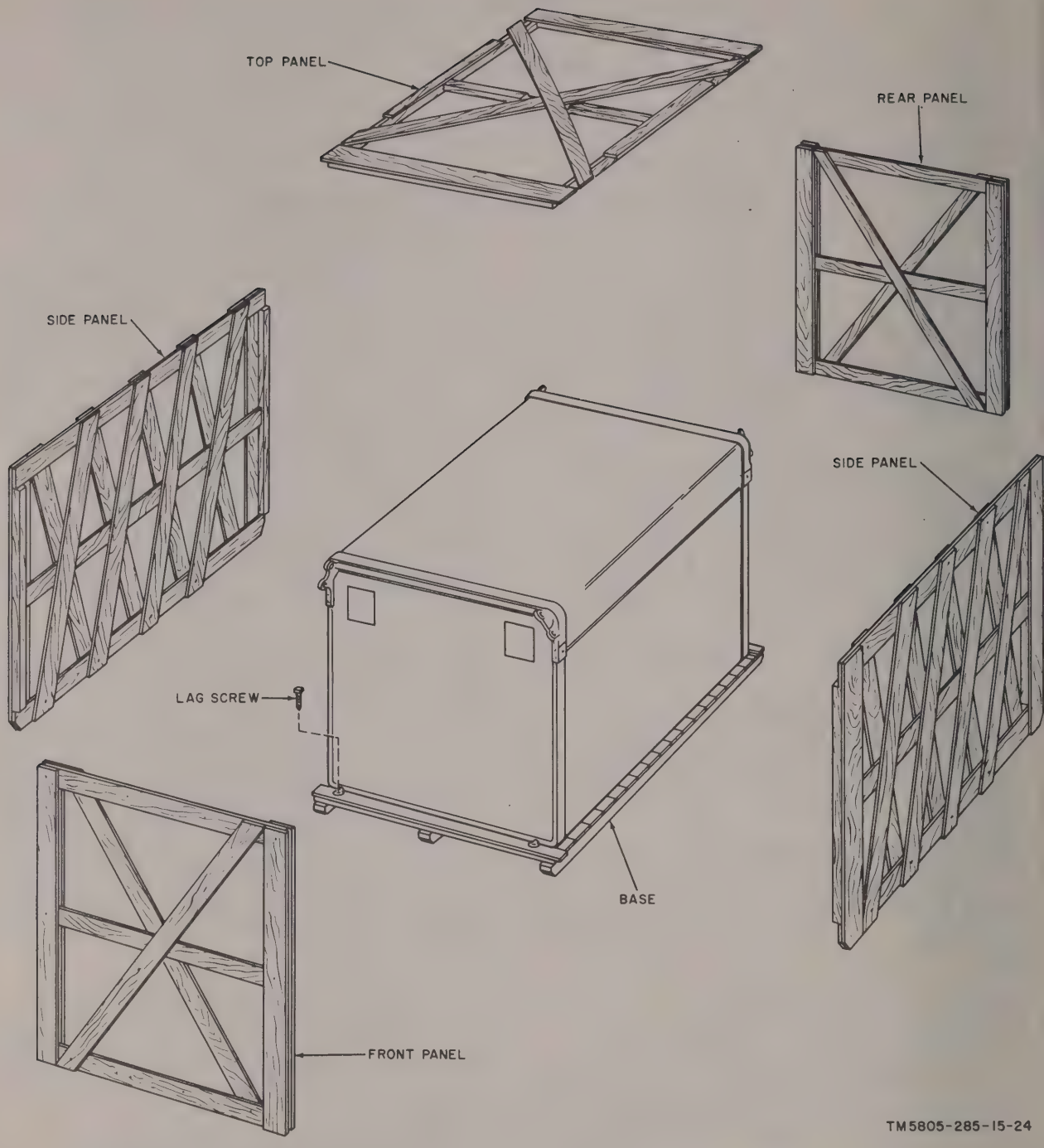



*Figure 26. Typical crating diagram.*

for SYSTEM 2. The AN/TCC–7 components for SYSTEM 1 are installed in RACK 3 and RACK 4 on the roadside wall (fig. 9). The components for SYSTEM 2 are installed in RACK 7 and RACK 8 on the curbside wall (fig. 8). Install each component as follows:

(1) Remove the cover on the component carrying case by releasing the snap catches.

(2) Insert the spring-release hook (fig.

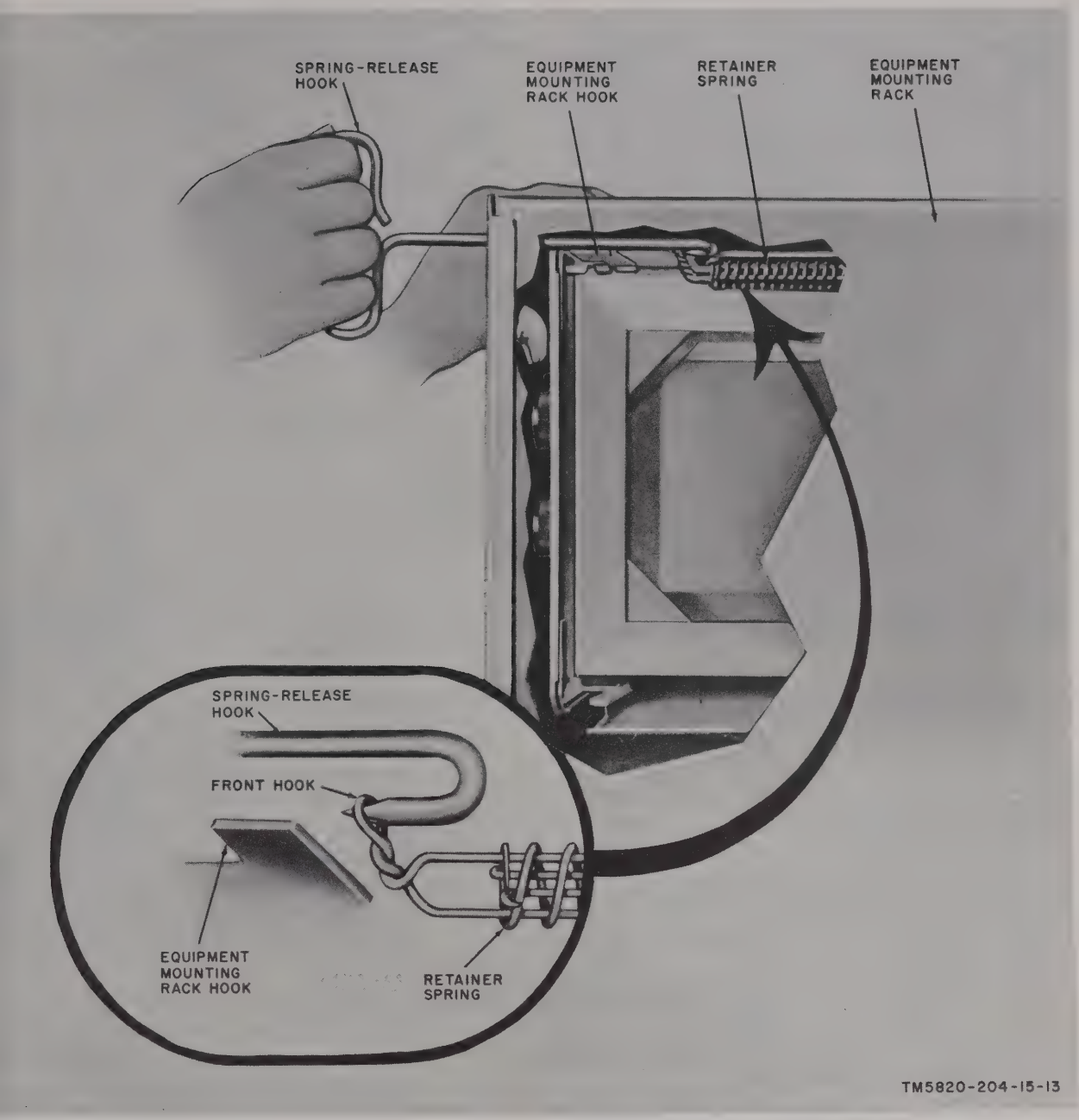



*Figure 27. Installation of rack frame.*

27) behind the front hook of one of the four springs securing the rack frame to the carrying case.

(3) Pull and turn the retainer spring toward the outside of the carrying case.

(4) Release the retainer spring gently into the carrying case.

(5) Repeat the procedures given in (2), (3), and (4) above for the three remaining retainer springs.

(6) Remove the rack frame from the carrying case.

(7) Position the rack frame in the shelter equipment mounting rack.

(8) Insert the prong of the spring-re-

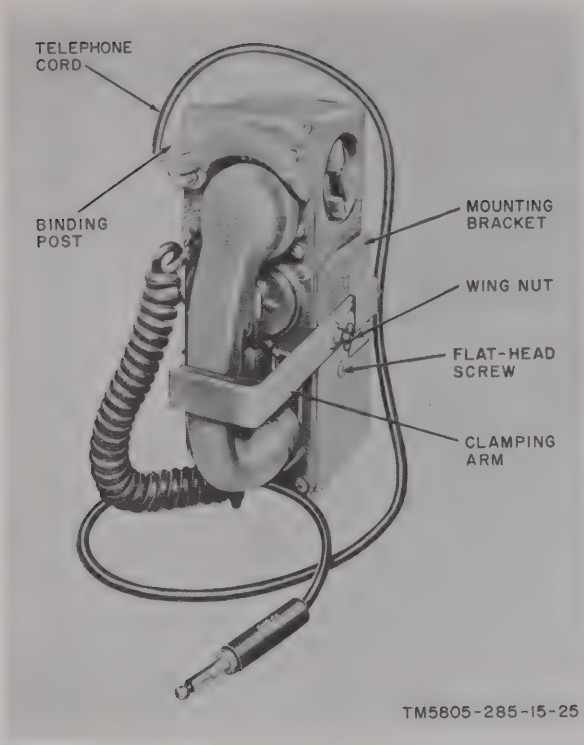



*Figure 28. Telephone Set TA–312/PT installed in mounting bracket.*

lease hook behind the front hook of the retainer spring. Pull, guide, and attach the front hook of the retainer spring to the hook on the shelter equipment mounting rack. Repeat this operation until all retaining springs are firmly secured.

(9) Release any cables that are secured to the panel or chassis.

(10) Place the panel in the rack frame, push it in, and fasten it.

(11) Make the interpanel cable connections (TM 11–2139–10). Gather the interpanel cables and tie them with the web strap (fig. 6 and 7).

(12) Place the handset on the handset holder (fig. 8 and 9).

*b. Terminals, Telegraph AN/TCC–4.* The AN/TCC–4 components for SYSTEM 1 are installed in RACK 1 and RACK 2 on the roadside wall (fig. 9). The components for SYSTEM 2 are installed in RACK 5 and RACK 6 on the curbside wall (fig. 8). Use the procedures given in *a* (1) through (10) above for installation. Make the interpanel cable connections (TM 11–5805–250–10).

*c. Converter, Telegraph-Telephone Signal TA–182/U.* Install the TA–182/U's for SYSTEM 1 (fig. 9) and SYSTEM 2 (fig. 8) in the shelter mounting racks with their covers and cases removed. Store spare TA–182/U's, together with the F–98/U's (*f* below), in the front corners of the shelter with their covers and cases in place. Remove the covers and cases as follows:

(1) Release the snap catches on the case and open the cover assembly.

(2) Remove the spare fuses from the cover and place them in cabinet No. 1 (or No. 2).

(3) Use a screwdriver to release the three captive screws on the front panel of the unit and remove it from its case. Store the cases.

(4) Lift up the designation plate. Place the TA–182/U chassis in its shelter mounting rack and fasten the three quick-release screws on each TA–182/U.

*d. Teletypewriter TT–4(*)/TG.*

(1) Remove the immersionproof cover by releasing the eight spring-loaded latches. Press the center of the pressure-equalizing valve and lift the cover from the base. Store the cover.

(2) Remove the four wingnuts under the tabletop and remove the two retaining bars.

(3) Position the TT–4(*)/TG on the tabletop. Place the retaining bars over the lashing hooks on the sides of the TT–4(*)/TG base and through the holes in the tabletop.

(4) Replace and tighten the four wingnuts.

(5) Install paper roll and ribbon (TM 11–5815–206–12).

(6) Fasten the web strap over the top of the dust cover.

*e. Terminal, Telegraph TH–5/TG.* Install the TH–5/TG, without its cover assembly and case, in RACK 1 on the roadside wall of the shelter (fig. 9). To install the TH–5/TG, follow the procedures given in *c* above.

*f. Filter Assemblies, Electrical F–98/U.*

(1) Store the F–98/U's with their covers in place, in the front corners of the shelter (fig. 8 and 9) together with the spare TA–182/U's (*c* above).

(2) Release the snap-catch fastener and pull the retaining bar down.

(3) Slide the units in place.

(4) Pull up the retaining bar and secure the snap-catch fastener.

*g. Telephone Set TA–312/PT.* Store one TA–312/PT in a storage cabinet. Install the other TA–312/PT (less case) on the curbside tabletop (fig. 8) as follows:

(1) Loosen the wingnut on the side of the mounting bracket (fig. 28).

(2) Rotate the clamping arm upward and secure it in place with the wingnut.

(3) Use a screwdriver and remove the flathead screw and holding plate (inside the mounting bracket).

(4) Insert the holding plate into the buzzer recess on the side of the TA–312/PT.

(5) Place the TA–312/PT into the mounting bracket and replace the flathead screw.

(6) Install two Batteries BA–30 in the battery compartment (TM 11–2155).

*h. Terminal Box TA–125/GT.* Store the TA–125/GT in its mounting bracket on the front wall (fig. 10). Secure it in place with the web straps provided.

*i. Multimeter.* AN/URM–105 is not provided as a component of the AN/MCC–6; however, it is available for use by maintenance personnel. Place the multimeter inside cabinet No. 2. Secure it with the web strap provided.

*j. Telephone Test Set TS–712/TCC–11.* The TS–712/TCC–11 consisting of a test set, an artificial cable, and a telephone is not provided as a component of the AN/MCC–6; however, it is available for use by maintenance personnel. The TA–312/PT is stored in a storage cabinet (*g* above); the test set and artificial cable are stored as follows.

(1) *Storing test set* (fig. 8).

(*a*) Loosen the two captive wingnuts to release the clamping bar.

(*b*) Place the test set in position and pull the clamping bar down.

(*c*) Tighten the wingnuts.

(2) *Storing artificial cable.*

(*a*) Loosen the front wingnut and pull the front clamping bracket forward.

(*b*) Loosen the rear wingnut and slide the rear clamping bracket up and forward.

(*c*) Place the artificial cable in position. Replace the rear clamping bracket and tighten the wingnut.

(*d*) Place the spiral-four connector in position (cover down), replace the front clamping bracket, and tighten the wingnut.

## Section II. EQUIPMENT CONNECTIONS

### 15. General

The signal duct contains wiring required to interconnect the components of the AN/MCC–6. All wiring is appropriately tagged and prepared for connection. The signal schematic and wiring diagram (fig. 40) supplements the information given in paragraphs 16 through 22 for connecting each component. The power duct contains power receptacles appropriately marked for each piece of equipment that requires ac power. The test equipment and tools required for making equipment connections are listed in paragraph 13.

### 16. Connection of Telephone Terminal AN/TCC–7

The connections of the external lines for the AN/TCC–7 used in SYSTEM 1 and SYSTEM 2 are identical.

*a.* Connect the green ground wire from the signal duct to the GND binding post on the JUNCTION PANEL.

*b.* Connect the spiral-four cable from the signal duct to the TO CABLE receptacle on the JUNCTION PANEL.

*c.* Identify the 12 channels by neatly marking their designation with a grease pencil in the space provided.

*d.* Connect the wiring from the signal duct to the TA–219/U's as indicated in the following chart. Start with the top TA–219/U.

| Wire designation (pairs) | Wire color | CHAN MODEM | CHAN NO. | Binding post |
|---|---|---|---|---|
| 101, 102 | WHT-BLU, WHT-ORN-BLU | 1 | 1 | 2W–4WT |
| 103, 104 | WHT-BRN-BLU, WHT-GY-BLU | 1 | 1 | 4WR |
| 201, 202 | WHT-GRN, WHT-ORN-GRN | 1 | 2 | 2W–4WT |
| 203, 204 | WHT-GRN-BLK, WHT-YEL-GRN | 1 | 2 | 4WR |
| 301, 302 | WHT-BRN-GRN, WHT-GY-GRN | 1 | 3 | 2W–4WT |
| 303, 304 | WHT-BLU-BLK, WHT-YEL-BLU | 1 | 3 | 4WR |
| 401, 402 | WHT-BRN, WHT-GRN | 1 | 4 | 2W–4WT |
| 403, 404 | WHT-BLK, WHT-ORN | 1 | 4 | 4WR |
| 101, 102 | WHT-BRN-GY, WHT-BRN-VIO | 2 | 1(5) | 2W–4WT |
| 103, 104 | WHT-YEL, WHT-BLU-GRN | 2 | 1(5) | 4WR |
| 201, 202 | WHT-RED, WHT-GY | 2 | 2(6) | 2W–4WT |
| 203, 204 | WHT-BLK-RED, WHT-ORN-RED | 2 | 2(6) | 4WR |
| 301. 302 | WHT-BRN-RED, WHT-GRN-RED | 2 | 3(7) | 2W–4WT |
| 303, 304 | WHT-BLU-RED, WHT-YEL-RED | 2 | 3(7) | 4WR |
| 401, 402 | WHT-RED-RED, WHT-GY-RED | 2 | 4(8) | 2W–4WT |
| 403, 404 | WHT-BLK-ORN, WHT-ORN-ORN | 2 | 4(8) | 4WR |
| 101, 102 | WHT-BRN-ORN, WHT-GRN-ORN | 3 | 1(9) | 2W–4WT |
| 103, 104 | WHT-BLU-ORN, WHT-YEL-ORN | 3 | 1(9) | 4WR |
| 201, 202 | WHT-RED-ORN, WHT-GY-ORN | 3 | 2(10) | 2W–4WT |
| 203, 204 | WHT-BLK-BRN, WHT-ORN-BRN | 3 | 2(10) | 4WR |
| 301, 302 | WHT-BRN-BRN, WHT-GRN-BRN | 3 | 3(11) | 2W–4WT |
| 303, 304 | WHT-BLU-BRN, WHT-YEL-BRN | 3 | 3(11) | 4WR |
| 401, 402 | WHT-RED-BRN, WHT-GY-BRN | 3 | 4(12) | 2W–4WT |
| 403, 404 | WHT-BLK-BLU, WHT-ORN-BLU | 3 | 4(12) | 4WR |

*e.* Make the following connections on the ORDER WIRE PANEL:

(1) Loosen the captive screws that secure the panel to the rack frame.

(2) Pull the panel out enough to expose the 2W EXT binding posts located on the front-left corner of the chassis.

(3) For SYSTEM 1, connect the WHT-YEL and WHT-BLU-GRN wires (designated O. W.) to the 2W EXT binding posts. For SYSTEM 2, connect the WHT-RED and WHT-GY wires (designated O. W.) to the 2W EXT binding posts.

(4) Push the panel in and secure it by tightening the captive screws.

*f.* Connect the PP–827/U power cord (designated TO AC POWER) to the AN/TCC–7 receptacle in the ceiling power duct.

## 17. Connection of Terminal, Telegraph AN/TCC–4

The connections for AN/TCC–4 used in SYSTEM 1 and SYSTEM 2 are identical.

*a.* Connect the wiring from the signal duct to the AN/TCC–4 components as indicated in the following chart.

| Wire designation | Wire color | Panel | Binding post |
|---|---|---|---|
| A | WHT-BLU-RED | TH–13/T RACKS 1 & 5 | 16 CH-A |
| B | WHT-YEL-RED | | 16 CH-B |
| C | WHT-RED-RED | | 16 CH-C |
| D | WHT-GY-RED | | 16 CH-D |
| 4WS | WHT-BLU | TH–13/T RACK 1 | 4W SEND |
| 4WS 2W | WHT-ORN-BLU | | 4W SEND 2W |
| 4WR 2W | WHT-BRN-BLU | | 4W REC 2W |
| 4WR | WHT-GY-BLU | | 4W REC |
| 4WS | WHT-BRN-GRN | TH–13/T RACK 5 | 4W SEND |
| 4WS 2W | WHT-BY-GRN | | 4W SEND 2W |
| 4WR 2W | WHT-BLU-BLK | | 4W REC 2W |
| 4WR | WHT-YEL-BLU | | 4W REC |
| 4WS | WHT-GRN | TH–13/T RACK 6 | 4W SEND |
| 4WS 2W | WHT-ORN-GRN | | 4W SEND 2W |
| 4WR 2W | WHT-GRN-BLK | | 4W REC 2W |
| 4WR | WHT-YEL-GRN | | 4W REC |
| 4WS | WHT-BRN | TH–13/T RACK 2 | 4W SEND |
| 4WS 2W | WHT-GRN | | 4W SEND 2W |
| 4WR 2W | WHT-BLK | | 4W REC 2W |
| 4WR | WHT-ORN | | 4W REC |
| 4WS+ | WHT-ORN-BLU | TH–15/T RACKS 1 & 5 | CH 1 4WS+ |
| 4WS | WHT-BLU | | CH 1 4WS— |
| 4WR 2W+ | WHT-GY-BLU | | CH 1 4WR 2W+ |
| 4WR 2W— | WHT-BRN-BLU | | CH 1 4WR 2W— |
| 4WS+ | WHT-ORN-GRN | TH–15/T RACKS 1 & 5 | CH 2 4WS+ |
| 4WS— | WHT-GRN | | CH 2 4WS— |
| 4WR 2W+ | WHT-YEL-GRN | | CH 2 4WR 2W+ |
| 4WR 2W— | WHT-GRN-BLK | | CH 2 4WR 2W— |
| 4WS+ | WHT-GY-GRN | TH–15/T RACKS 1 & 5 | CH 3 4WS+ |
| 4WS | WHT-BRN-GRN | | CH 3 4WS— |
| 4WR 2W+ | WHT-YEL-BLU | | CH 3 4WR 2W+ |
| 4WR 2W | WHT-BLU-BLK | | CH 3 4WR 2W— |
| 4WS+ | WHT-GRN | TH–15/T RACKS 1 & 5 | CH 4 4WS+ |
| 4WS— | WHT-BRN | | CH 4 4WS— |
| 4WR 2W+ | WHT-ORN | | CH 4 4WR 2W+ |
| 4WR 2W | WHT-BLK | | CH 4 4WR 2W— |
| 4WS+ | WHT-BRN-VIO | TH–15/T RACKS 2 & 6 | CH 1 4WS+ |
| 4WS— | WHT-BRN-GY | | CH 1 4WS— |
| 4WR 2W+ | WHT-BLU-GRN | | CH 1 4WR 2W+ |
| 4WR 2W— | WHT-YEL | | CH 1 4WR 2W— |
| 4WS+ | WHT-GY | TH–15/T RACKS 2 & 6 | CH 2 4WS+ |
| 4WS— | WHT-RED | | CH 2 4WS— |
| 4WR 2W+ | WHT-ORN-RED | | CH 2 4WR 2W+ |
| 4WR 2W— | WHT-BLK-RED | | CH 2 4WR 2W— |

| Wire designation | Wire color | Panel | Binding post |
|---|---|---|---|
| 4WS+ | WHT-GRN-RED | TH–15/T RACKS 2 & 6 | CH 3 4WS+ |
| 4WS— | WHT-BRN-RED | | CH 3 4WS— |
| 4WR 2W+ | WHT-YEL-RED | | CH 3 4WR 2W+ |
| 4WR 2W— | WHT-BLU-RED | | CH 3 4WR 2W— |
| 4WS+ | WHT-GY-RED | TH–15/T RACKS 2 & 6 | CH 4 4WS+ |
| 4WS— | WHT-RED-RED | | CH 4 4WS— |
| 4WR 2W+ | WHT-ORN-ORN | | CH 4 4WR 2W+ |
| 4WR 2W— | WHT-BLK-ORN | | CH 4 4WR 2W— |

*b.* Connect the green ground wires from the signal duct to the ground binding posts on the AM–683/T, TH–17/T, and TH–16/T.

*c.* Connect the PP–812/T power cords (at the end of RACK 1 and RACK 5) to the AN/TCC–4 receptacles.

## 18. Connection of Converter, Telegraph-Telephone Signal TA/182–U

The connections of the lines for the TA–182/U's used in SYSTEM 1 and SYSTEM 2 are identical.

*a.* The wires from the signal duct are marked to indicate the TA–182/U binding posts to which they connect. Connect the wires as indicated in the following chart. Refer also to figure 40.

| Wire Color | TA-182/U | |
|---|---|---|
| | Designation | Binding post No. |
| WHT-BLK-BLU | No. 1 | 1 |
| WHT-ORN-BLU | | 2 |
| WHT-RED-BRN | | 3 |
| WHT-GY-BRN | | 4 |
| WHT-BLU | | 5 |
| WHT-ORN-BLU | | 6 |
| WHT-BRN-BLU | | 7 |
| WHT-GY-BLU | | 8 |
| WHT-BLU-BRN | No. 2 | 1 |
| WHT-YEL-BRN | | 2 |
| WHT-BRN-BRN | | 3 |
| WHT-GRN-BRN | | 4 |
| WHT-GRN | | 5 |
| WHT-ORN-GRN | | 6 |
| WHT-GRN-BLK | | 7 |
| WHT-YEL-GRN | | 8 |

| Wire Color | TA-182/U | |
|---|---|---|
| | Designation | Binding post No. |
| WHT-BLK-BRN | No. 3 | 1 |
| WHT-ORN-BRN | | 2 |
| WHT-RED-ORN | | 3 |
| WHT-GY-ORN | | 4 |
| WHT-BRN-GRN | | 5 |
| WHT-GY-GRN | | 6 |
| WHT-BLU-BLK | | 7 |
| WHT-YEL-BLU | | 8 |
| WHT-BLU-GRN | No. 4 | 1 |
| WHT-YEL-ORN | | 2 |
| WHT-BRN-ORN | | 3 |
| WHT-GRN-ORN | | 4 |
| WHT-BRN | | 5 |
| WHT-GRN | | 6 |
| WHT-BLK | | 7 |
| WHT-ORN | | 8 |
| WHT-BLK-ORN | No. 5 | 1 |
| WHT-ORN-ORN | | 2 |
| WHT-RED-RED | | 3 |
| WHT-GY-RED | | 4 |
| WHT-BRN-GY | | 5 |
| WHT-BRN-VIO | | 6 |
| WHT-YEL | | 7 |
| WHT-BLU-GRN | | 8 |
| WHT-BLU-RED | No. 6 | 1 |
| WHT-YEL-RED | | 2 |
| WHT-BRN-RED | | 3 |
| WHT-GRN-RED | | 4 |
| WHT-RED | | 5 |
| WHT-GY | | 6 |
| WHT-BLK-RED | | 7 |
| WHT-ORN-RED | | 8 |
| WHT-BLK-RED | No. 7 | 1 |
| WHT-ORN-RED | | 2 |
| WHT-RED | | 3 |
| WHT-GY | | 4 |

| Wire Color | TA-182/U | |
|---|---|---|
| | Designation | Binding post No. |
| WHT-BRN-RED | | 5 |
| WHT-GRN-RED | | 6 |
| WHT-BLU-RED | | 7 |
| WHT-YEL-RED | | 8 |
| WHT-YEL | No. 8 | 1 |
| WHT-BLU-GRN | | 2 |
| WHT-BRN-GY | | 3 |
| WHT-BRN-VIO | | 4 |
| WHT-RED-RED | | 5 |
| WHT-GY-RED | | 6 |
| WHT-BLK-ORN | | 7 |
| WHT-ORN-ORN | | 8 |
| WHT-BLK | No. 9 | 1 |
| WHT-ORN | | 2 |
| WHT-BRN | | 3 |
| WHT-GRN | | 4 |
| WHT-BRN-ORN | | 5 |
| WHT-GRN-ORN | | 6 |
| WHT-BLU-ORN | | 7 |
| WHT-YEL-ORN | | 8 |
| WHT-BLU-BLK | No. 10 | 1 |
| WHT-YEL-BLU | | 2 |
| WHT-BRN-GRN | | 3 |
| WHT-GY-GRN | | 4 |
| WHT-RED-ORN | | 5 |
| WHT-GY-ORN | | 6 |
| WHT-BLK-BRN | | 7 |
| WHT-ORN-BRN | | 8 |
| WHT-GRN-BLK | No. 11 | 1 |
| WHT-YEL-GRN | | 2 |
| WHT-GRN | | 3 |
| WHT-ORN-GRN | | 4 |
| WHT-BRN-BRN | | 5 |
| WHT-GRN-BRN | | 6 |
| WHT-BLU-BRN | | 7 |
| WHT-YEL-BRN | | 8 |
| WHT-BRN-BLU | No. 12 | 1 |
| WHT-GY-BLU | | 2 |
| WHT-BLU | | 3 |
| WHT-ORN-BLU | | 4 |
| WHT-RED-BRN | | 5 |
| WHT-GY-BRN | | 6 |
| WHT-BLK-BLU | | 7 |
| WHT-ORN-BLU | | 8 |

*b.* Operate all ON-OFF switches on TA–182/U subdistribution panels (fig. 8 and 9) to OFF. Insert each TA–182/U power cord plug into its assigned receptacle on the TA–182/U subdistribution panels.

*c.* Insert the three power cord plugs from each TA–182/U subdistribution panel into their receptacles in the ceiling power duct (fig. 12) and connect all ground leads.

## 19. Connection of Teletypewriter TT-4A*/TG

*a.* Loosen the knurled nuts and disconnect the dust cover ground leads from the front corners of the dust cover.

*b.* Push the platen knob inward until it is inside the dust cover.

*c.* Grasp the rear corners of the dust cover to free it from the rear mounting posts and lift it straight up.

*d.* Connect the prepared leads of the black (send) teletypewriter connecting cord (fig. 3) to binding posts 1 and 2; connect the prepared leads of the receive (red) teletypewriter connecting cord to binding posts 3 and 4; connect the shorting bar across binding posts 5 and 6. Remove the shorting bar between terminals 2 and 3.

*e.* Set the LINE switch to VOICE FREQ LINE.

*f.* Insert the power cord plug into a receptacle on the TT-4A/TG–TH–5/TG switchbox (fig. 24) and connect the ground lead.

## 20. Connection of Terminal, Telegraph TH–5/TG and 2W–4W Switch

*a.* Use a screwdriver to release the three captive screws on the front panel and remove the TH–5/TG from the mounting rack.

*b.* Connect the 2W-4W switch (fig. 25) to the TH–5/TG as follows:

(1) Turn the chassis of TH–5/TG over and remove the bare strap wire between terminals D2 and F2. Solder the shielded pair from the 2W-4W switch to the D2 and F2 terminals.

(2) Replace the TH–5/TG in its mounting rack and make the following connections on the front panel (fig. 47).

| 2W-4W | | TH-15/TG | |
|---|---|---|---|
| Wire marking | Wire color | Designation | Binding post No. |
| 3 | WHT-ORN-GRN | 4W-S | 3 |
| 4 | WHT-BRN-BLU | 4W-S | 4 |
| 5 | WHT-GRN | 4W-R | 5 |
| 6 | WHT-GY-BLU | 4W-R | 6 |

*c.* Connect the WHT-BRN-GY and WHT-BRN-VIO wires from signal duct to binding posts 3 and 5, respectively.

*d.* Insert the TH–5/TG power cord plug into the TT–4A/TG–TH–5/TG switchbox receptacle (fig. 24).

### 21. Connection of Telephone Set TA-312/PT

*a.* Connect the prepared leads of the telephone cord (fig. 2) to the LINE binding posts on the mounted TA–312/PT (fig. 28).

*b.* Connect the telephone cord plug into the PHONE jack on the signal duct (fig. 8).

*c.* Install two Batteries BA–30 in the telephone (TM 11–2155).

### 22. Interconnection of Intercommunication Station LS-147C/FI

*a.* Connect the prepared leads of the telephone cord to the binding posts at the rear of the LS–147C/FI (fig. 48).

*b.* Check to see that the telephone cord plug is connected into the INTERCOM jack in the signal duct (fig. 8).

## Section III. INSTALLATION TESTING OF EQUIPMENT

### 23. General

*a.* Make the grounding and power connections (para 27 and 28) before starting the installation tests.

*b.* Energize the ac circuits (para 30).

*c.* Refer to paragraphs 29 and 36 for information covering the controls and operation of the shelter components and to the appropriate technical manual for major components operation (appx I).

### 24. Installation Testing of Major Components

*a. Installation Test of AN/TCC–7 and TA–182/U.*

(1) In the power entrance box (fig. 14), connect one end of spiral-four cable to connector SP–4(1) and the other end to connector SP–4(2) (para 33).

(2) Operate circuit-breaker switches No. 6 through 9 and 11 through 14 on the power distribution panel (fig. 19) to ON.

(3) Operate the AC POWER switch on the PP–827/U in both systems to ON.

(4) Make the preliminary settings and adjustments on the AN/TCC–7's and perform a system lineup between the two AN/TCC–7's as described in TM 11–2139–10.

(5) Set up each channel in the AN/TCC–7's for two-wire operation.

(6) Remove the mounted TA–312/PT (para 52*a* through *d*) and the TA–312/PT stowed in the storage cabinet.

(7) In the binding post signal entrance box (fig. 18), connect one TA–312/PT (to be designated No. 1 for this test) to the SIGNAL 1 pair No. 1 binding posts, and the other TA–312/PT (designated No. 2) to SIGNAL 2 pair No. 1 binding posts.

(8) On the TA–182/U's in both systems, operate all TP–TG switches to TP, all 2W-4W switches to 2W, and all HI-LO switches to LO.

(9) On both TA–182/U subdistribution panels (fig. 8 and 9), operate all ON-OFF switches to ON. Each associated glowlamp will light.

(10) Perform a channel ringing test by ringing from TA–312/PT No. 1 and listening for a response from TA–312/PT No. 2.

(11) To test ringing in the opposite direction, ring from TA–312/PT No. 2

and listen for a response from TA-312/PT No. 1.

(12) Repeat steps (7) through (11) above for the other 11 channels. Connect the TA-312/PT's to the *odd*-numbered 13 pairs in the binding post signal entrance box to test each channel.

(13) Operate all equipment switches and circuit breakers to OFF.

(14) Remove the TA-312/PT connections in the binding post signal entrance box and the spiral-four cable connections in the power and signal entrance box.

*b. Installation Test of AN/TCC-4, TH-5/TG, and TT-4(*)/TG.*

(1) At the patch panel (fig. 22), use a 1½-foot black patch cord and patch from the AN/TCC-4 SYSTEM 1 CH 1-4 OR 1-8 OR 1-16 4WS jack to the AN/TCC-4 SYSTEM 2 CH 1-4 OR 1-8 OR 1-16 4WR jack. Use a 1½-foot red patch cord and patch from the AN/TCC-4 SYSTEM 1 CH 1-4 OR 1-8 OR 1-16 4WR jack to the AN/TCC-4 SYSTEM 2 CH 1-4 OR 1-8 OR 1-16 4WS jack.

(2) Operate the following circuit breaker switches on the power distribution panel to ON:

Circuit breaker switch No. 5 (AN/TCC-4 SYSTEM 1)

Circuit breaker switch No. 10 (AN/TCC-4 SYSTEM 2)

Circuit breaker switch No. 15 (TH-5/TG TT-4A/TG)

(3) Operate the power switches on each PP-812/T of the AN/TCC-4's and TT-4A/TG-TH-5/TG switchbox (fig. 24) to ON.

(4) Connect the TH-5/TG and TT-4(*)/TG for four-wire vf operation (para 38*b*(2) ) to Channel 1 in SYSTEM 1.

(5) Operate the 16 CHANNEL-4 OR 8 CHANNEL switch on RACK 1 to 4 OR 8 CHANNEL.

(6) Perform the preliminary settings, adjustments, and overall lineup of the AN/TCC-4 (TM 11-5805-250-10) systems for eight-channel four-wire line operation and for vf four-wire, full-duplex loop operation.

(7) Test all channels by transmitting from SYSTEM 1 and receiving at SYSTEM 2; then reverse the procedure until all channels have been tested in both directions.

(8) Turn all equipment switches and circuit breaker switches to OFF.

(9) Remove all patch cords used for testing.

## Section IV. PREOPERATIONAL PROCEDURES

### 25. Siting

a. The location of Terminal, Telegraph-Telephone AN/MCC-6 will depend on the tactical situation or on other local considerations. When installed on the ground, it should be located on firm, dry ground with good drainage; the site should be prepared and leveled. Place the AN/MCC-6 on concrete blocks or wooden beams, if possible, and position it to facilitate connections to the power and signal entrance boxes. When the shelter is installed on a truck, remove the ladder from the floor of the shelter (fig. 12) and secure it to the truck tailgate.

*b.* If the PU-294/G is used to supply ac power, it should be located approximately 75 feet from the shelter to minimize generator noise interference with shelter operations.

### 26. Installation of Shelter

*Note.* To install the shelter on the ground or on a truck, four men and a device, capable of lifting 5,000 pounds, are required.

*a. Lifting and Loading AN/MCC-6* (fig. 29). If the AN/MCC-6 is to be transported by helicopter, follow only the procedures given in (1) through (4) below, and observe the airlift warning notice on the outside of the shelter. If the shelter is to be installed on a truck,

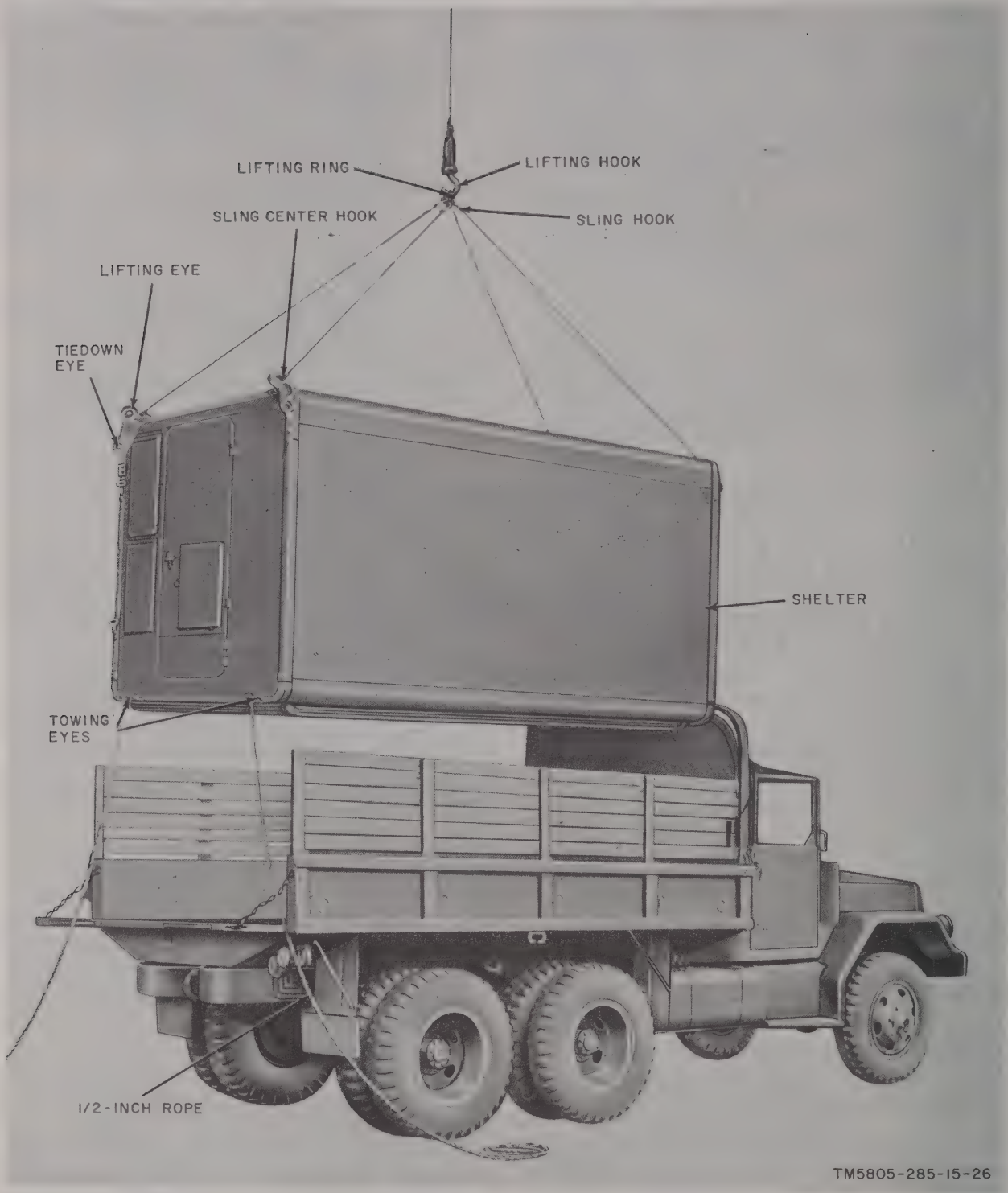



*Figure 29. Loading shelter in truck.*

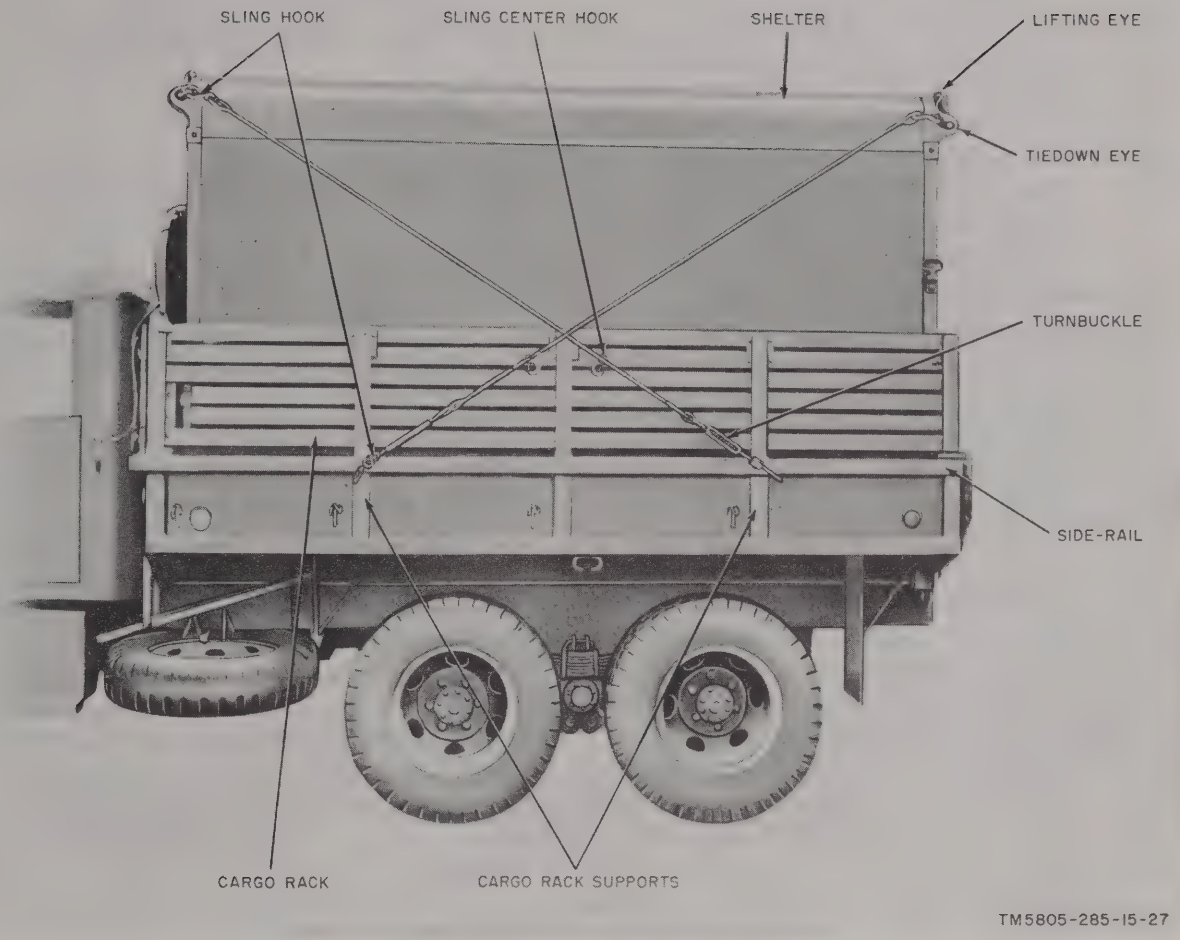



*Figure 30. Securing shelter in truck.*

follow the procedures given in (1) through (10) below.

(1) Use the sling center hooks (nearest the turnbuckles) (fig. 30) to connect the sling assembly to the shelter lifting eyes.

(2) Place the sling assembly on top of the shelter.

(3) Connect the four sling hooks to the lifting ring.

(4) Place the lifting ring over the hook on the lifting device.

**WARNING: To avoid injury to personnel and damage to the equipment, only personnel engaged in the actual loading operation should be permitted near the truck, lifting device, and the shelter. To eliminate confusion, all instructions must come from the loading crew supervisor.**

(5) Tie a rope, ½ inch in diameter and at least 15 feet long, to each rear towing eye.

(6) See that all tools and equipment have been removed from the truck body. Lower the truck tailgate.

(7) Slowly lift the shelter from the ground to a position high enough to clear the body of the truck.

(8) Back the truck into position under the shelter.

**WARNING: All personnel must remain clear of the truck while the shelter is being lowered into position.**

(9) Position a man at each of the ropes ( (5) above) to guide the shelter into

position, and slowly lower it into the truck body.

*Note.* The entrance door of the shelter must be at the rear of the truck, and the front of the shelter must butt against the front of the truck body.

(10) Remove the lifting ring from the lifting hook and disassemble the lifting ring and sling hooks. Remove the sling center hooks from the shelter lifting eyes and the ½-inch ropes from the shelter towing eyes.

*b. Securing Shelter in Truck* (fig. 30). Secure the shelter on a truck as follows:

(1) Use the sling hooks farthest from the turnbuckles and hook each of the four sling hooks to a tiedown eye on the shelter.

(2) Use the sling assembly cable attached to the tiedown eye at the left-front of the shelter and place the sling hook nearest the turnbuckle under the side rail and behind the second cargo rack support from the rear of truck.

(3) Use the sling assembly cable attached to the tiedown eye at the left-rear of the shelter and place the sling hook nearest the turnbuckle under the side rail and in front of the second cargo rack support from the front of the truck.

(4) Follow the procedures given in (2) and (3) above to secure the right side of the shelter.

(5) After the sling assembly has been attached to the side rails of the truck, tighten the turnbuckles.

**CAUTION: Do not overtighten the turnbuckles. To prevent the Shelter from twisting in the truck body, tighten all turnbuckles equally at the same time.**

(6) Raise and secure the truck tailgate.

*c. Unloading AN/MCC–6.* To unload the shelter from the truck, reverse the procedures given in *a* and *b* above.

## 27. Grounding

The AN/MCC–6 must be properly grounded before input power is connected. Select a grounding site that will not interfere with the entrance door, field wires, or power cable. Ground the AN/MCC–6 as follows:

*a.* Loosen the captive screws and lift the cover of the power and signal entrance box (fig. 14).

*b.* Use the cover support to secure the cover in the open position.

*c.* Remove the ground rods and sledge hammer (fig. 11) from their mountings.

*d.* Select the lowest, dampest sites within 10 feet of the power and signal entrance box and within 10 feet of the ~~PU–294/G~~; scoop out a small hole about 6 inches deep at each site.

*e.* Remove any paint or grease from the ground rods.

*f.* Drive the ground rods into the holes until the top of each ground rod is approximately 3 inches above ground level.

*g.* Saturate the ground around the rods with water.

*h.* Remove the 10-foot ground straps from storage cabinet No. 1.

*i.* Connect one end of each ground strap to a ground rod. Connect the other end of the shelter ground strap to the top GROUND TERMINAL in the power and signal entrance box (fig. 17). Connect the end of the other ground strap to the ~~GND terminal of one PU–286/G~~.

## 28. Power Connections

Grounding procedures (para 27) must be completed before power is connected to the AN/MCC–6. ~~Ac power for the AN/MCC–6 may be obtained from Trailer-Mounted Gasoline Engine Generator Set PU–294/G, a control power source, a commercial power source, or an adjacent shelter.~~

*a. Preliminary Procedures.* Before making the power connections, proceed as follows:

(1) Operate all shelter and component switches to the *off* position.

(2) Remove the tiedown bar (fig. 4) and store it in its clamp. Remove the power cable assembly and reel from the shelter.

(3) Unwind the power cable assembly from the reel and remove the connector covers.

*b. Using Trailer-Mounted Gasoline Engine Generator Set PU–294/G.*

(1) Remove the cover from the IN POWER 115V AC receptacle in the power and signal entrance box (fig. 17) and connect one end of the power cable assembly.
(2) Remove the power cable stub (fig. 2) from cabinet No. 1. Connect the red and white leads of the power cable stub to one of the PU–286/G POWER LINE TERMINALS and connect the black lead to the other POWER LINE TERMINALS (TM 11–940A).
(3) Remove the cover from the power cable stub connector. Connect the power cable stub to the power cable connector.

*c. Using Commercial Power.*

(1) Turn off or disconnect the commercial power before making any connections.
(2) Remove the power cable stub (fig. 2) from cabinet No. 1. If the power source is a 50- to 60-cycle-per-second (cps), 120- to 240-volt, two-phase, three-wire distribution system, connect the red and white leads of the power cable stub to the neutral bus bar, and the black lead to the positive bus bar of the commercial source.
(3) If the power source is a 50- to 60-cps, 120- to 208-volt, three-phase, four-wire distribution system, connect the red and white leads of the power cable stub to the neutral bus bar, and the black lead to the phase 1, phase 2, or phase 3 bus bar.
(4) Remove the cover from the power cable stub connector. Connect the power cable stub to one end of the AN/MCC–6 power cable.
(5) Remove the cover from the IN POWER 115V AC receptacle in the power and signal entrance box (fig. 13) and connect the power cable to the receptacle.

## 29. Controls and Instruments

This paragraph provides a description and the function of the controls and instruments of the shelter components. For information concerning the controls and instruments of the major components, refer to the applicable technical manuals (appx I).

*a. Power Distribution Panel* (fig. 19).

| Control, indicator, or instrument | Description and function | |
|---|---|---|
| MAIN circuit breaker switches | Two internally ganged 70-ampere circuit-breaker switches. Provide overload protection for 115-volt ac input source and on-off control of ac power to individual circuit-breaker switches. | |
| Individual circuit breaker switches | Provide on-off control and overload protection for individual circuits as follows: | |
| | *Rating (amp)* | *Circuit* |
| 1 LIGHTS | 15 | Flourescent lights. |
| 2 BLOWERS | 15 | Exhaust blowers No. 1 and No. 2 |
| 3 HEATER | 20 | Electric heater receptacle. |
| 4 CONVENIENCE | 15 | Convenience receptacles. |
| 5 SYSTEM 1-AN/TCC–4 | 15 | AN/TCC–4 receptacle (RACK 1-2). |
| 6 SYSTEM 1-AN/TCC–7 | 15 | AN/TCC–7 receptacle (RACK 3-4). |
| 7 SYSTEM 1-TA–182/U 1-4 | 15 | TA–182/U subdistribution panel circuits 1-4 receptacle (RACK 2). |
| 8 SYSTEM 1-TA–182/U 5-8 | 15 | TA–182/U subdistribution panel circuits 5-8 receptacle (RACK 2). |

| Control, indicator, or instrument | | Description and function |
|---|---|---|
| 9 SYSTEM 1-TA-182/U 9-12 | 15 | TA-182/U subdistribution panel circuits 9-12 receptacle (RACK 2). |
| 10 SYSTEM 2-AN/TCC-4 | 15 | AN/TCC-4 receptacle (RACK 5-6). |
| 11 SYSTEM 2-AN/TCC-7 | 15 | AN/TCC-7 and INTERCOM receptacles (RACK 7-8). |
| 12 SYSTEM 2-TA-182/U 1-4 | 15 | TA-182/U subdistribution panel circuits 1-4 receptacle (RACK 6). |
| 13 SYSTEM 2-TA-182/U 5-8 | 15 | TA-182/U subdistribution panel circuits 5-8 receptacle (RACK 6). |
| 14 SYSTEM 2-TA-182/U 9-12 | 15 | TA-182/U subdistribution panel circuits 9-12 receptacle (RACK 6). |
| 15 TH-5/TG-TT-4A/TG | 15 | TT-4A/TG-TH-5/TG switchbox receptacle. |
| Voltmeter | | Ac voltmeter with 0- to 150-volt scale. Indicates ac input voltage from external power source. |
| Ammeter | | Ac ammeter with 0- to 50-ampere scale. Indicates total current drain from external power supply by AN/MCC-6 components in use. |
| Glowlamp (15) | | Neon lamp. Glows when associated individual circuit breaker switch is at ON. |

*b. Lighting* (fig. 8 and 11).

| Control or indicator | Description and function | |
|---|---|---|
| BLACKOUT BYPASS switch (fig. 11) | Two-position ON-OFF switch. Controls lighting in AN/MCC-6 for blackout operation as follows: | |
| | *Sw pos* | *Function* |
| | ON | Permits fluorescent lights to be controlled by the individual light switches. |
| | OFF | Permits fluorescent lights to be controlled by door microswitch. |
| POWER INDICATOR NEON LAMP (fig. 11) | Neon lamp. Lights when ac power is connected to the AN/MCC-6. | |
| Door microswitch (fig. 11) | Microswitch. Extinguishes fluorescent lights when door is opened. (BLACKOUT BYPASS switch at OFF). | |
| LIGHT 1 switch (fig. 11) | Two-position ON-OFF switch. Controls two fluorescent lights in each row. | |
| LIGHT 2 switch (fig. 11) | Two-position ON-OFF switch. Controls two fluorescent lights in each row. | |
| NIGHTLIGHT switch (fig. 8) | Two-position ON-OFF switch. Controls nightlight above curbside table. | |

*c. Blowers* (fig. 13).

| Control | Description and function |
|---|---|
| BLOWER 1 switch | Two-position ON-OFF switch. Controls operation of BLOWER 1 (roadside). |
| BLOWER 2 switch | Two-position ON-OFF switch. Controls operation of BLOWER 2 (curbside). |

*d. Intercommunication Station LS–147C/FI* (fig. 20).

| Control or indicator | Description and function |
|---|---|
| OFF-SEND control | Ganged ON-OFF switch and potentiometer. Turns ac power on and off and controls volume of output signal. Switch must be ON to originate a call. |
| PRESS TO TALK switch | Two-position nonlocking switch. Switch must be pressed to originate a call. |
| RECEIVE control | Potentiometer. Controls speech volume to loudspeaker. |
| Glowlamp | Neon lamp. One-half of lamp glows when internal dc power supply is operating. |

*e. Patch Panel* (fig. 22).

| Jack | Description and function |
|---|---|
| AN/TCC–7 SYSTEM 1 and SYSTEM 2: | Cutoff jacks. Connect TA–219/U loop binding posts to TA–182/U LINE binding posts. Provide a means of patching the line binding posts of the AN/TCC–4 to any channel of the AN/TCC–7 or for arranging the AN/TCC–7 loop for tandem operation. |
| CH ( )[a] | |
| 2WT/R–4WT jack (24) | |
| 4WR jack (24) | |
| TA–182 #12: | Cutoff jack. Connects TA–182/U No. 12 LINE binding posts to TA–219/U channel No. 12. Provides a means of patching TA–182/U No. 12 in each system to another channel as required. |
| LINE SIDE jack (2) | |
| TCC–7 SYS 1 and SYS 2 OW jack (2) | Terminating jack. Extends each AN/TCC–7 order-wire circuit for use at patch panel. |
| AN/TCC–4 SYSTEM 1 and SYSTEM 2: | Terminating jack. Terminates the AN/TCC–4 line binding posts for patching to any channel of the AN/TCC–7 on a two-wire or four-wire basis. |
| CH 1–4 OR 1–8 OR 1–16 and CH 5–8: | |
| 4WS jack (4) | |

| Jack | Description and function |
|---|---|
| 2WS/R jack (4) | |
| 4WR jack (4) | |
| AN/TCC–4 MON: | Terminating jack. A two-wire or four wire trunking circuit to a similar set of jacks on racks 1 and 5. Used to connect monitoring equipment to desired AN/TCC–4 channels. |
| 2WS/R 4WR jack | |
| 4WS jack | |
| PHONE jack | Terminating jack. Provides a parallel connection to TA–312/PT PHONE circuit for use at patch panel. |
| TH–5/TG jack | Terminating jack. Terminates TEL binding posts of TH–5/TG in patch panel. |
| SPARES, CONN 4: | Terminating jack. Provides a parallel connection to spare line pairs 19 through 24 in SIGNAL 4 in the power and signal entrance box and the binding post signal entrance box. |
| PR ( )[b] jack (6) | |

[a]Designated by channels (CH 1 through CH 12).
[b]Designated by pairs (PR 19 through PR 24).

*f. AN/TCC–4 MONITOR Jacks* (fig. 8 and 9).

| Jack | Description and function |
|---|---|
| RACK 1 and RACK 5: | |
| AN/TCC–4 MONITOR: | Terminating jack. Provides a two-wire or four-wire trunking circuit to a similar set of jacks on the patch panel. Used to connect AN/TCC–4 channels to monitoring equipment when required. |
| 2W 4WR jack (2) | |
| 4WS jack (2) | |

*g. Miscellaneous Equipment.*

| Equipment with control or indicator | Description and function |
|---|---|
| Electric heater (fig. 21): | |
| HEAT-OFF-FAN switch | Three-position toggle switch. |

| *Sw pos* | *Function* |
|---|---|
| HEAT | Applies ac power to heater element and fan motor. |
| OFF | Disconnects ac power from electric heater and fan motor. |

| Equipment with control or indicator | Description and function |
|---|---|
| | FAN — Applies ac power to fan motor only. |
| TEMPERATURE CONTROL | Thermostat control. Regulates the temperature provided by the heating element. |
| RESET pushbutton | Pushbutton that resets the protective circuit-breaker switch within the unit. |
| TA–182/U subdistribution panel (2) (fig. 23): | |
| ON-OFF switch (12) | Two-position toggle switch. Controls ac power to associated outlet for TA–182/U. |
| Glowlamp (12) | Neon lamp. Glows when associated toggle switch is at ON. |
| TT–4A/TG–TH–5/TG switchbox (fig. 24): | |
| ON-OFF switch | Two-position toggle switch. Controls ac power to outlet for TT–4(*)/TG and TH–5/TG. |
| Glowlamp | Neon lamp. Glows when toggle switch is at ON. |
| 2W-4W switch (fig. 25): two-wire, four-wire switch | Three-position switch. Switches the operation of the TH–5/TG in conjunction with the 4W-2W-TEL switch in the TH–5/TG.<br>*Sw pos* — *Function*<br>2W — Arranges the TH–5/TG for half-duplex, two-wire operation.<br>HALF DX 4W — Arranges the TH–5/TG for half-duplex, four-wire operation.<br>FULL DX 4W — Arranges the TH–5/TG for full-duplex, four-wire operation. |
| 16 CHANNEL-4 OR 8 CHANNEL switch (fig. 9) | Two-position toggle switch. Controls wiring between AN/TCC–4's in SYSTEM 1 and SYSTEM 2.<br>*Sw pos* — *Function*<br>16 CHANNEL — In conjunction with the CHANNELS switches on the AN/TCC–4's (TM 11–5805–250–10), arranges the AN/TCC–4's as a 16-channel telegraph terminal by interconnecting 16 CH A, B, C, and D binding posts of the AM–683/T's in racks 1 and 6.<br>4 OR 8 CHANNEL — Removes the interconnections between the AM–683/T's. |

## 30. Energizing Ac Circuits

Perform the following preliminary starting procedures to prepare Terminal, Telegraph-Telephone AN/MCC–6 for operation.

*a.* When the generator set is used to supply ac power, start the PU–286/G (TM 11–940A).

*b.* When a commercial power source is used, apply power to source terminals.

*c.* Operate the MAIN circuit breaker switch on the power distribution panel (fig. 19) to ON.

*d.* Operate the BLACKOUT BYPASS switch (fig. 11) to ON. When blackout conditions are required, operate the switch to OFF.

*e.* Operate circuit breaker switch No. 1-LIGHTS to ON (fig. 19).

*f.* Operate LIGHT 1 and LIGHT 2 switches (fig. 11) to ON.

*g.* Check the voltmeter (fig. 19). It should indicate 115 ±10 volts ac.

*h.* Check the ammeter. It should indicate 0 ampere.

*i.* Operate circuit breaker switches No. 2 through 15 to ON.

*j.* Remove all equipment tiedown bars and clamps used to secure the equipment during transit.

# Section V. SIGNAL CONNECTIONS

## 31. Circuit Planning

(fig. 40)

Signal circuits may be terminated at the AN/MCC–6 with spiral-four cable, 26-pair cable, and/or field-wire connections.

*a. Telephone Circuits.* Spiral-four line terminations from the distant telephone terminal (AN/TCC–7), repeater (AN/TCC–8, AN/TCC–11), or vidio (AN/TRC–24) are connected at the power and signal entrance box. The AN/TCC–7 channel loop terminations are provided through 26-pair cables in the power and signal entrance box or by field-wire connections in the binding post signal entrance box.

*b. Teletypewriter Circuits.* Line terminals for two-wire or four-wire lines for 4-, 8-, or 16 channel telegraph terminal systems of the AN/TCC–4's terminate in patch panel jacks. The AN/TCC–4 is preferably connected to channel 12 of the AN/TCC–7 but may be connected to any channel. Alternately, the line connections may be made to spare line jacks on the patch panel. Vf loop terminations to the channels of the AN/TCC–4 may be made through the 26 pair cables in the power and signal entrance box or by field-wire connections in the binding post signal entrance box.

*c. Special Circuits.* Connect the local line terminations for the TA–312/PT and the LS–147C/FI circuits on pairs 25 and 26, respectively, of the 26-pair cable or by field-wire connections to the PHONE and INTERCOM binding posts in the binding post signal entrance box. The order-wire circuit of each AN/TCC–7 is extended for use at the patch panel to the TCC–7 SYS ( ) OW jacks.

## 32. Connection Procedures for 26-Pair Cables

To couple connectors on 26-pair cables (CX–4566/G (250 ft) and CX–4760/U (15 ft) ), use the procedures in *a* below. To couple the connectors to the receptacles SIGNAL 1 through SIGNAL 4 in the power and signal entrance box (fig. 17), use the procedures given in *b* below.

*a. Coupling 26-Pair Connectors* (fig. 31).

**CAUTION: Handle the 26-pair connectors with care during the coupling and uncoupling procedures. Do not force or twist the connectors during installation. Never drop or place an uncovered 26-pair connector on the ground.**

(1) *Cover removal.*

(*a*) With each hand, grasp the knurled collar on each end of the connector and turn the collars until the open position is reached.

(*b*) Disengage the cam on top of the cover from the slot on the connector collar. Lift and remove the cover (B).

(2) *Coupling.*

(*a*) Position the two 26-pair connectors

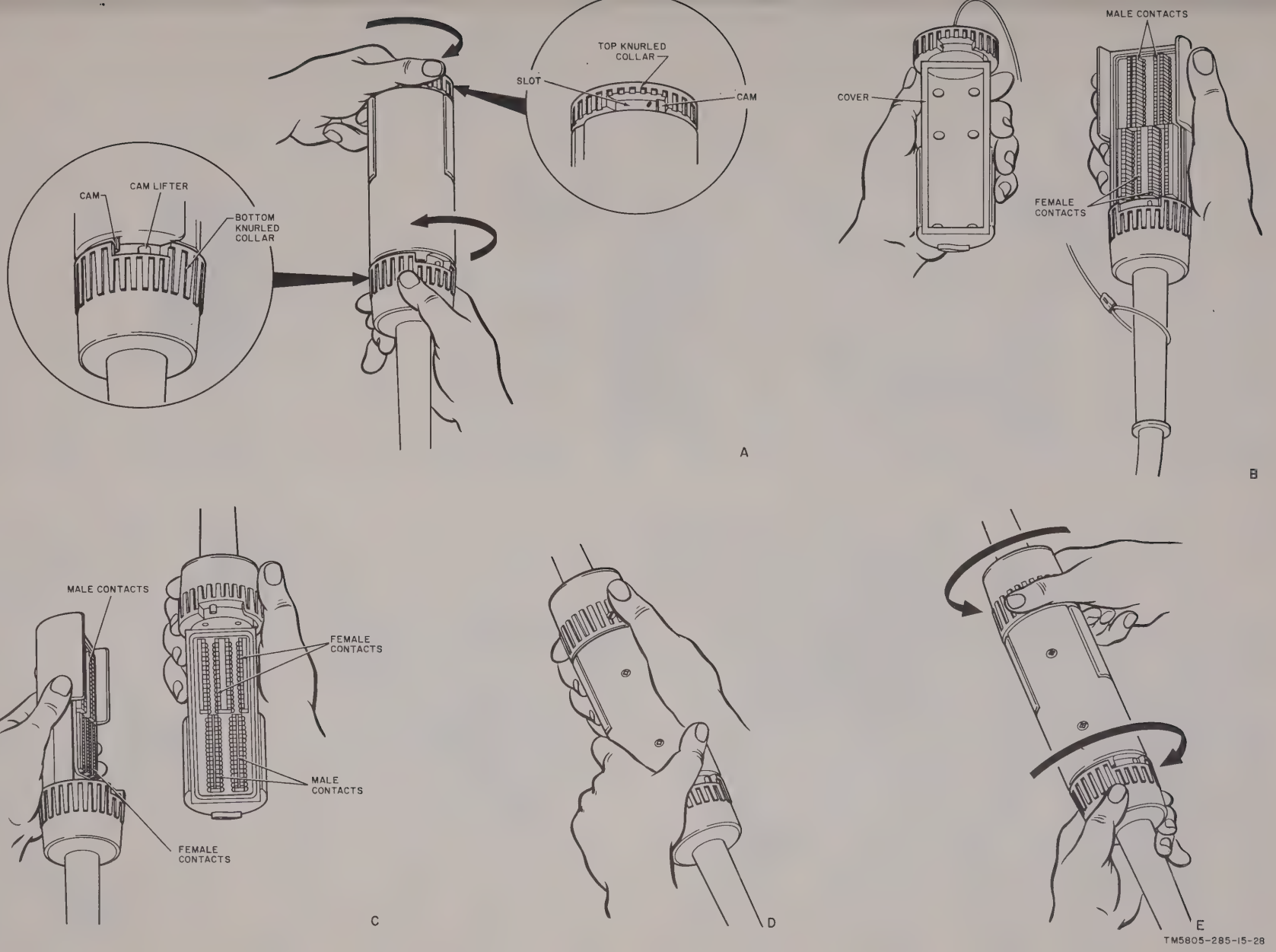



*Figure 31. Coupling 26-pair connectors.*

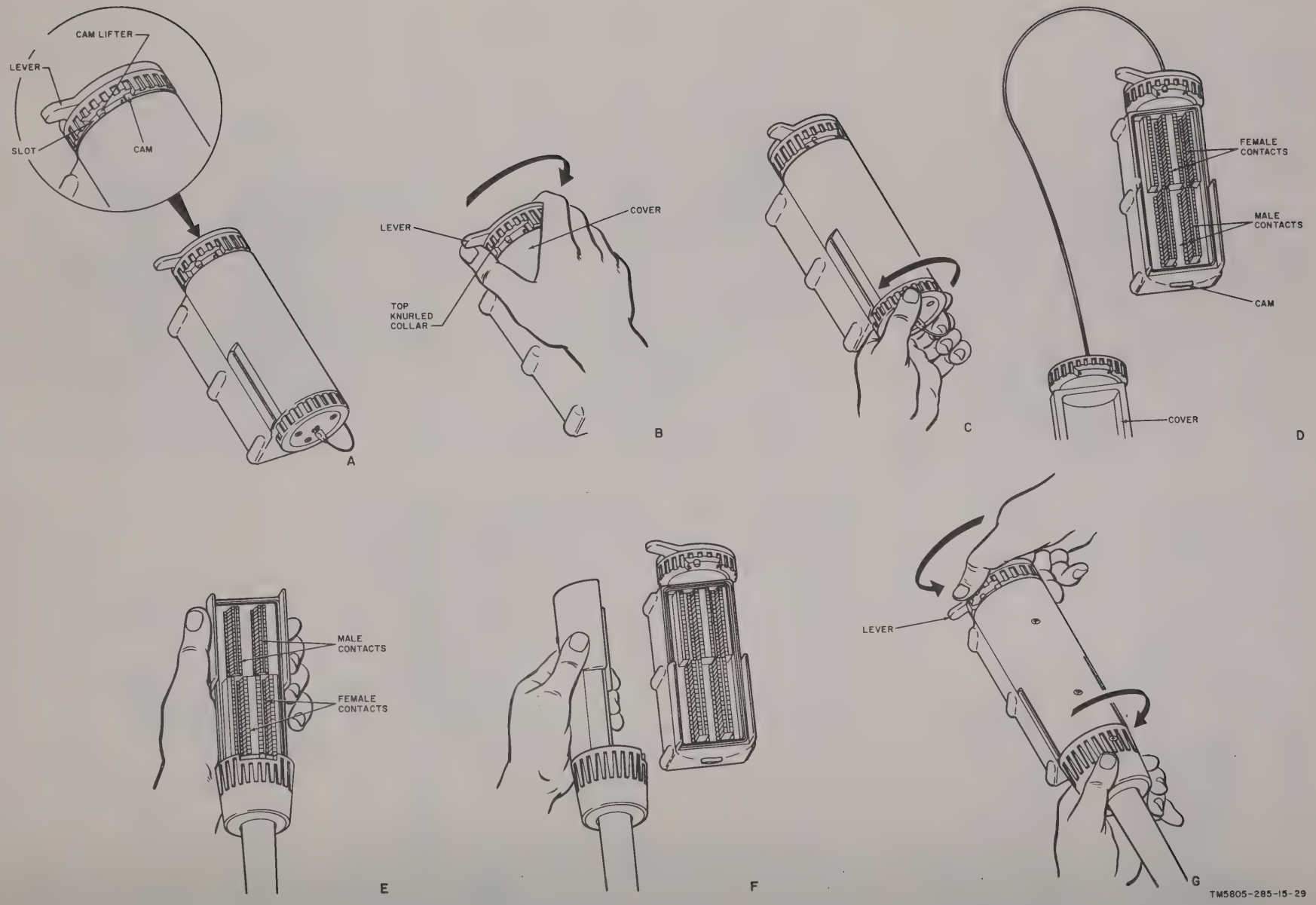



*Figure 32. Connecting 26-pair connector to 26-pair receptacle.*

so that the connector cams drop into the slots of the knurled collars, and the male contacts of each connector are aligned with the female contacts of the other connector (C).

(*b*) Carefuly press the two connectors together (D).

(*c*) Lock the two connectors by turning the knurled collars until the closed position is reached (E).

(*d*) Lock the two connector covers together.

(3) *Uncoupling procedures.*

(*a*) Unlock the 26-pair connectors by turning the knurled collars until the open position is reached (A).

(*b*) Carefully pull the connectors apart.

(4) *Cover replacement.*

(*a*) Unlock the two connector covers.

(*b*) Position the cover on top of the the 26-pair connector.

(*c*) Engage the cam on the top of the cover in the slot on the connector collar (A).

(*d*) Lock the cover to the connector by turning the collars until the closed position is reached.

*b. Coupling 26-Pair Connector to 26-Pair Receptacle* (fig. 32). The cover removal and replacement procedure for a 26-pair receptacle (A through D, fig. 32) are the same as described in *a*(1) above. Connect and disconnect the 26-pair connector to the 26-pair receptacle as follows:

*Note.* The cable end of the connector is used as a reference for clockwise or counterclockwise rotations.

(1) *Connecting procedures.*

(*a*) Remove the covers and lock them together.

(*b*) Position the 26-pair connector on the receptacle so that the cams drop into the slots of the knurled collars, and the male contacts are aligned with the female contacts (E and F).

(*c*) Carefully press the connector into the receptacle.

(*d*) Turn the lever on the receptacle knurled collar counterclockwise until the sleeve *just* engages the cam.

(*e*) Turn the knurled collar on the connector clockwise until the sleeve *just* engages the cam.

(*f*) Simultaneously turn the receptacle collar lever and the connector collar until the closed position is reached (G).

(2) *Disconnecting procedures.*

(*a*) Simultaneously turn the receptacle collar lever and the connector until the open position is reached.

(*b*) Carefuly pull the connectors apart.

(*c*) Replace the covers (*a*(4) above).

## 33. Spiral-Four Cable Connections

Connect the spiral-four cables to spiral-four receptacles, SP–4(1) and SP–4(2), in the power entrance box (fig. 17). The connecting and disconnecting procedures are described in *a* and *b* below.

*Note.* During connection procedures, examine the connectors to make sure that all contacting parts, rubber faces, and sealing rings are clean and in good condition. When spiral-four connectors are disconnected, replace each connector cover as soon as possible. The cable end of the connectors is used as a reference for clockwise and counterclockwise rotations.

*a. Connecting Procedure.*

(1) Unscrew the cover from each connector.

(2) Position the mating ends of the connectors and firmly press the connectors together until the pins of the bayonet locks enter the slots in the matching ears.

(3) Twist the collar on the end of the spiral-four cable connector clockwise until the collar is tight.

*b. Disconnecting Procedure.*

(1) Grasp the collar on the end of the spiral-four cable connector and twist counterclockwise until the collar comes loose.

(2) Pull the connectors apart.

(3) Replace the cover tightly on each spiral-four cable connector.

## 34. Field-Wire Connections

*a.* Connect field-wire pairs to the SIGNAL 1 through SIGNAL 4 binding posts in the binding post signal entrance box (fig. 18) and to the PHONE and INTERCOM binding posts in the power and signal entrance box (fig. 17).

Connecting procedures are described in (1) through (4) below.

(1) Loosen the captive screws and lift the covers of the power and signal entrance boxes (fig. 17 and 18).

(2) Use the cover support to secure each cover in the open position.

(3) Press down on the top of the binding post to open the wire slot. Place the field wire in the slot and release the binding post.

(4) In the signal entrance box, distribute and retain the wires in the bridle rings associated with each row of binding post pairs.

*b.* Use Distribution Box J–1077A/U to connect a CX–4760/U (fig. 2) or field-wire pairs to a 26-pair cable as follows:

(1) Remove the J–1077A/U from its mounting (fig. 8) and place it adjacent to the coupled connectors of the 26-pair cables.

(2) Uncouple the 26-pair connectors (para 32*a*(3) ) and connect them to the 26-pair receptacles on the J–1077A/U (para 32*b*(1) ).

(3) Release the fasteners and open the cover on the J–1077A/U.

(4) Connect the prepared leads of the CX–4760/U or field-wire pairs to the appropriate binding posts and secure the cover on the J–1077A/U.

*Note.* The wire colors and associated pair numbers of the CX–4760/U are the same as those of the 26-pair cable (fig. 44).

# CHAPTER 3

# OPERATING INSTRUCTIONS

## 35. Types of Operation

The AN/MCC–6 provides up to 24 channels of carrier telephone and 16 channels of carrier telegraph. The An/TCC–7 and AN/TCC–4 may be arranged for two-wire or four-wire loop operation through the flexibility provided by the patch panel. Patch cords with built-in 5-db pads permit tandem operation of the AN/TCC–7 telephone channels. A 16 CHANNEL-4 or 8 CHANNEL switch (fig. 9) permits the AN/TCC–4's to operate as a sinbel 16-channel system, two 8-channel systems, or four 4-channel systems over carrier telephone channels or spare lines terminating in the patch panel.

## 36. Operating Procedures

Use the operating and monitoring procedures for the major components (para 5) as given in the applicable technical manuals (appx I). Follow the procedures outlined in *a* through *e* below to operate the shelter components. Refer to paragraph 29 for an explanation of shelter controls and instruments.

*a. Electric Heater* (fig. 21).

(1) Connect the power cord connector plug into the associated HEATER receptacle (fig. 11).

(2) Operate the HEAT-OFF-FAN switch to the desired position.

(3) If the HEAT-OFF-FAN switch is operated to HEAT, set the TEMPERATURE CONTROL to the desired setting.

*b. Intercommunication Station LS–147C/FI* (fig. 20).

(1) Connect the power cord connector plug into the INTERCOM receptacle (fig. 8).

(2) Operate the OFF-SEND switch to approximately midposition. The glowlamp will light.

(3) Operate the PRESS TO TALK switch and speak into the speaker-microphone on the front panel. Release the PRESS TO TALK switch to receive.

*Note.* The OFF-SEND switch does not have to be on to receive a call.

(4) Set the RECEIVE control to regulate the volume of incoming calls.

*c. Exhaust Blowers.* Open the air vent cover in the shelter door (fig. 14) and the blower vent covers on the front of the shelter before operating the blowers. Operate BLOWER 1 and BLOWER 2 OFF-ON switches (fig. 13) located in the ceiling power duct to ON.

*d. TA–182/U Subdistribution Panel* (fig. 23). Operate OFF-ON switches No. 1 through 12 successively to ON. Each associated glowlamp will light.

*e. TT–4A/TG-TH–5/TG Switchbox* (fig. 24). Operate the ON-OFF switch to ON. The glowlamp will light.

## 37. Patching

(fig. 22)

Use the procedures in *a* through *c* below to connect the line side of each AN/TCC–4 operating on 4-, 8-, or 16-channel systems on a two-wire or four-wire basis to channels of the AN/TCC–7 or to spare line jacks. Use the procedures in *d* below to connect the AN/TCC–7 channels of the two systems in tandem. Use the highest numbered channels of the AN/TCC–7's (starting with channel 12, 11, 10, etc) for line connections from the AN/TCC–4's.

*Note.* When the jack designations are followed by ( ), interpolate as follows:

SYSTEM ( )—indicates SYSTEM 1 or SYSTEM 2.

CH ( )—indicates any channel of the equipment.

SPARE PR. ( )—indicates any spare line pair.

*a. AN/TCC–4's, Four-Wire, 16-Channel Operation.*

(1) Operate the 16 CHANNEL-4 OR 8 CHANNEL switch on RACK 1 (fig. 9) to 16 CHANNEL.

(2) At the AN/TCC–4's, make the preliminary settings and adjustments on each AN/TCC–4 for four-wire, 16-channel operation (TM 11–5805–250–10). Use SYSTEM 1 for channels 1-8 and SYSTEM 2 for channels 9-16.

(3) At the patch panel, use a 1½-foot black patch cord and patch the AN/TCC–4 SYSTEM 1 CH 1-4 or 1-8 or 1-16 4WS jack to the AN/TCC–7 SYSTEM ( ) CH ( ) 2WT/R-4WT jack or to a SPARES, CONN. 4 PR ( ) jack.

(4) At the patch panel, use a 1½-foot red patch cord and patch the AN/TCC–4 SYSTEM 1 CH 1–4 or 1–8 or 1–16 4WR jack to the AN/TCC–7 SYSTEM ( ) CH ( ) 4 WR jack or to a SPARES, CONN. 4 PR ( ) jack.

*b. AN/TCC–4's, Two-Wire, Four- or Eight-Channel Operation.*

(1) Operate the 16 CHANNEL-4 OR 8 CHANNEL switch on RACK 1 to 4 OR 8 CHANNEL.

(2) AT the AN/TCC–4 SYSTEM ( ), make the preliminary settings and adjustments for two-wire, four- or eight-channel operation (TM 11–5805–250–10), as required.

(3) For four-channel operation, use a 1½-foot red or black patch cord and patch the AN/TCC–7 SYSTEM ( ) CH ( ) 2WT/R 4WT jack or a SPARES, CONN. 4 PR ( ) jack to the AN/TCC–4 SYSTEM ( ) CH 1–4 OR 1–8 OR 1–16 2WS/R jack or to the AN/TCC–4 SYSTEM ( ) CH 5–8 2WS/R jack.

(4) For eight-channel operation, use a 1½-foot red or black patch cord and patch the AN/TCC–7 SYSTEM ( ) CH ( ) 2WT/R 4WT jack or a SPARES, CONN. 4 PR ( ) jack to the AN/TCC–4 SYSTEM ( ) CH 1–4 OR 1–8 OR 1–16 2WS/R jack.

*c. AN/TCC–4's, Four- or Eight Channel Operation.*

(1) On RACK 1, operate the 16 CHANNEL–4 OR 8 CHANNEL switch to 4 OR 8 CHANNEL.

(2) At the AN/TCC–4 SYSTEM ( ), make the settings and adjustments for four-wire, four- or eight-channel operation (TM 11–5805–250–10), as required.

(3) For four-channel operation, use a black 1½-foot patch cord and patch the AN/TCC–7 SYSTEM ( ) CH ( ) 2WT/R 4WT jack or a SPARES, CONN. 4 PR ( ) jack to the AN/TCC–4 SYSTEM ( ) CH 1–4 OR 1–8 OR 1–16 4WS jack, or to the AN/TCC–4 SYSTEM ( ) CH 5–8 4WS jack; use a red 1½-foot patch cord and patch the AN/TCC–7 SYSTEM ( ) CH ( ) 4WR jack or a SPARES, CONN. 4 PR ( ) jack to the AN/TCC–4 SYSTEM ( ) CH 1–4 OR 1–8 OR 1–16 4WR jack, or to the AN/TCC–4 SYSTEM ( ) CH 5–8 4WR jack.

(4) For eight-channel operation, use a black 1½-foot patch cord and patch the AN/TCC–7 SYSTEM ( ) CH ( ) 2WT/R 4WT jack or a SPARES, CONN. 4 PR ( ) jack to the AN/TCC–4 SYSTEM ( ) CH 1–4 OR 1–8 OR 1–16 4WS jack; use a red 1½-foot patch cord and patch the AN/TCC–7 SYSTEM ( ) CH ( ) 4WR jack or a SPARES, CONN. 4 PR ( ) jack to the AN/TCC–4 SYSTEM ( ) CH 1–4 OR 1–8 OR 1–16 4WR jack.

*d. Tandem Operation, AN/TCC–7.*

(1) At the patch panel, use a 1½-foot red 5 db patch cord and patch the AN/TCC–7 SYSTEM 1 CH ( ) 4WR jack to the AN/TCC–7 SYSTEM 2 CH ( ) 2WT/R 4WT jack.

(2) At the patch panel, use a 1½-foot black 5-db patch cord and patch the AN/TCC–7 SYSTEM 1 CH ( )

2WT/R 4WT jack to the AN/TCC–7 SYSTEM 2 CH ( ) 4WR jack.

## 38. Monitoring

(fig. 22)

*a. Telephone Monitoring.* Refer to TM 11–2139–10 for AN/TCC–7 monitoring procedures.

*b. Telegraph Monitoring.*

(1) *Two-wire vf circuits.*

(*a*) At the AN/TCC–4 SYSTEM ( ), the TH–15/T channel to be monitored will have been set up for two-wire vf operation (TM 11–5805–250–10).

(*b*) Use a 6-foot red or black patch cord and patch the TH–15/T, CHANNEL ( ) MON VF 4WR-2W jack to the AN/TCC–4 MONITOR 2W 4WR jack at the top of RACK 1 or RACK 5 (fig. 8 and 9).

(*c*) Insert the red and black teletypewriter connecting cord plugs of the TT–4(*)/TG to the TH–5/TG REC and SEND jacks, respectively.

(*d*) Operate the TH–5/TG 4W-2W-TEL switch to 2W and the 2W-4W switch (fig. 25) to 2W.

(e) At the patch panel, insert the red connecting cord plug (2W-4WR) of the 2W-4W switch into the AN/TCC–4 MON 2WS/R 4WR jack.

(2) *Four-wire vf circuits.*

(*a*) At the AN/TCC–4 SYSTEM ( ), the TH–15/T channel to be monitored will have been set up for four-wire vf operation (TM 11–5805–250–10).

(*b*) Use a 6-foot red patch cord and patch the TH–15/T, CHANNEL ( ) MON VF 4WR-2W jack to the AN/TCC–4 MONITOR 2W 4WR jack on top of RACK 1 or RACK 5 (fig. 8 or 9). Use a 6-foot black patch cord and patch the TH–15/T, CHANNEL ( ) MON VF 4WS jack to the AN/TCC–4 MONITOR 4WS jack on RACK 1 or RACK 5.

(*c*) Insert the red and black teletypewriter connecting cord plugs of the TT–4(*)/TG to the TH–5/TG REC and SEND jacks, respectively.

(*d*) Operate the TH–5/TG 4W-2W-TEL switch to 4W and the 2W-4W switch (fig. 25) to FULL DX 4W.

(*e*) At the patch panel, insert the red and black connecting cord plugs of the 2W-4W switch into the AN/TCC–4 MON 2WS/R 4WR and 4WS jacks, respectively.

(3) *Dc circuits.*

(*a*) At the AN/TCC–4 SYSTEM ( ), the TH–15/T channel to be monitored will have been set up for four-wire dc operation (TM 11–5805–250–10).

(*b*) Use a 6-foot red patch cord and patch TH–15/T, CHANNEL ( ) MON DC 4WR-2W jack to the AN/TCC–4 MONITOR 2W 4WR jack on top of RACK 1 or RACK 5. Use a 6-foot black patch cord and patch the TH–15/T, CHANNEL ( ) MON DC 4WS jack to the AN/TCC–4 MONITOR 4WS jack on top of RACK 1 or RACK 5.

(*c*) At the patch panel, insert the TT–4(*)/TG red teletypewriter connecting cord plug into the AN/TCC–4 MON 2WS/R 4WR jack and the black teletypewriter connecting cord plug into the AN/TCC–4 MON 4WS jack.

## 39. Stopping Procedures

*Note.* To turn the power off in an emergency, operate the MAIN circuit breaker switches to OFF on the power distribution panel.

*a. Major Components.* Refer to the applicable technical manuals for stopping procedures (appx I). Except in an emergency, turn off the major components before switching off the associated circuit breaker switches in the power distribution panel.

*b. S–185/MCC–6 Components.*

(1) *Intercommunication Station LS–147C/FI.* Operate the OFF-SEND switch to OFF.

(2) *Electric heaters.* Operate the TEMPERATURE CONTROL to its lowest setting and the HEAT-OFF-FAN switch to OFF.

*Note.* After the major components (*a* above) and the electric heaters have been turned off, allow the exhaust blowers ( (3) below) to remain in operation for at least 10 minutes to evacuate all smoke and fumes before completing the stopping procedures and closing the shelter door.

(3) *Exhaust blowers.* Operate the BLOWER 1 and BLOWER 2 switch to OFF. Close the air filter in the shelter door and the exhaust blower vent covers on the front of the shelter.

(4) *TA–182/U subdistribution panels.* Operate switches 1 through 12 on each panel to OFF.

(5) *TT–4A/TG–TH–5/TG switchbox.* Operate the ON-OFF switch to OFF.

(6) *Circuit breaker switches and light switches.* Operate all circuit breaker switches and light switches to OFF.

## 40. Operation Under Adverse Climatic Conditions

Terminal, Telegraph-Telephone AN/MCC–6 can be operated in extremely cold or hot climates. The shelter offers complete protection from the elements for personnel and equipment; however, when the signal and power entrance boxes are exposed to adverse conditions, the following precautions are necessary.

*a. Cold Climates.* Extreme cold causes cable and wires to become hard, brittle, and difficult to handle. Be careful when handling the cables and when connecting them to the shelter so that kinks and unnecessary loops will not result in permanent damage. Make sure that the binding posts, connectors, and receptacles on the outside of the shelter are free of frost, snow, and ice by replacing the covers on the connectors and receptacles and closing the covers of the entrance boxes when they are not in use. Lower the folding side panels when the entrance box covers are open. Replace the connector and receptacle covers as soon as they are disconnected; never drag or place an open connector in the snow.

*b. Hot Climates.* In hot, dry climates, the connectors, receptacles, and binding posts are subject to damage from dirt and dust. Lower the folding side panels when the entrance box covers are open. Close the covers on the entrance boxes when they are not in use and replace the covers on the connectors and receptacles. Never drag or place an open connector on the ground.

*c. Warm, Damp Climates.* In warm, damp climates, the equipment is subject to damage from moisture and fungi. Wipe all moisture and fungi from the exterior of the equipment with a lint-free cloth.

# CHAPTER 4

# MAINTENANCE INSTRUCTIONS

## Section I. OPERATOR'S MAINTENANCE

C# 7 1/DEC/65
Posted 27/Feb/6

### 41. General Maintenance

Clean and inspect all components of Terminal, Telegraph-Telephone AN/MCC–6 regularly. Detailed maintenance procedure pertaining to the major components is described in the appropriate technical manuals (appx I).

*a.* Use a clean, dry, lint-free cloth or brush for dusting.

*b.* For cleaning, if necessary, moisten cloth or brush with Cleaning Compound (FSN 7930–395–9542); after cleaning, wipe dry with a cloth. Do not use cleaning compound on electrical contacts.

**WARNING: Prolonged breathing of cleaning compound is dangerous. Make certain that adequate ventilation is provided. Cleaning compound is flammable; do not use near a flame.**

*c.* Dry, compressed air, not exceeding 60 pounds per square inch, may be used to remove dust from inaccessible places.

**WARNING: Compressed air is dangerous and can cause serious damage to eyes, ears, nose, and other parts of the body. It can also cause mechanical damage to the equipment. Do not use compressed air to dry parts where cleaning compound or solvent has been applied.**

### 42. Tools, Test Equipment, and Materials Required

*a. Tools and Test Equipment.* The tools and test equipment required for operator's maintenance of the major components are listed in the applicable technical manuals (appx I). The tool roll kit (para 6 and fig. 2) is required for maintenance of the ~~S–185/MCC–6~~ components.

*b. Materials.*

| No. Item | Item | Federal stock No. |
|---|---|---|
| 1 | Abrasive, sheet; sandpaper #0000; 9-by 12-inch sheets. | 627500–0000[a] |
| 2 | Cloth, textile: cheesecloth; lint-free; 36-inch | 408–2701[b] |
| 3 | Stick, orange | 5120–408–4036 |
| 4 | Tape TL–83 | 5970–184–2003 |
| 5 | Cleaning compound | 7930–395–9542 |
| 6 | Abrasive, sheet; crocus cloth, 9-by 11-inch. | (Ord)[d] |
| 7 | Polish, metal; paste | 6G1516[a] |
| 8 | Lubricating oil, general purpose, preservative (PL special). | 14–0–2834–10[c] |
| 9 | Grease, graphite, aircraft (GGA). | 9150–223–4001[c] |
| 10 | Lubricating oil, internal combustion engine, OE-10. | 9150–265–9425[c] |

[a]Signal Corps stock number.
[b]Interim Federal stock number.
[c]Quartermaster Corps stock number.
[d]Ordnance Corps items.

### 43. Daily Preventive Maintenance

*a.* Check for completeness and general condition of the equipment and spare parts.

*b.* Remove dirt, dust, grease, and moisture from the exposed parts.

*c.* Remove rust, corrosion, fungi, dirt, and moisture from the binding posts, cable connectors, and receptacles.

*d.* Inspect the field-wire connections at the binding posts for good contact.

*e.* Inspect the lettering on designation strips for legibility.

*f.* Inspect the ground rods and the ground strap connections for good contact.

*g.* Inspect all exposed cables for kinks, strains, moisture, fungi, and loose terminals, and frayed, cut, or damaged insulation.

*h.* Tighten loose mounting hardware.

## 44. Weekly Preventive Maintenance

*a.* Clean and tighten components, racks, mountings, installations, cables, and connectors.

*b.* Inspect components, racks, mountings, installations, and exposed metal surfaces for rust, corrosion, and moisture.

*c.* Inspect the cables and wires for cuts, breaks, fraying, deterioration, kinks, and strain.

*d.* Inspect for looseness of accessible items such as: switches, circuit breakers, signal and ac cable assemblies, and glowlamps.

*e.* Clean the air filter, nameplates, meters, and clock.

*f.* Inspect the meters and clock for damaged glass and cases.

*g.* Wind the clock (fig. 10).

*h.* Inspect the shelter for support, installation, rust, corrosion, and moisture.

*i.* Check the entrance boxes, exhaust blower vents, and air filter intake for cracks, leaks, damaged gaskets, dirt, and grease.

*j.* Check for normal operation (para 46).

## 45. Monthly Preventive Maintenance and Lubrication

*a.* Lubricate the door locks and latches. Use Grease, graphite, aircraft (GGA).

*b.* Lubricate the hinges on the shelter door, the entrance covers, the exhaust blowers vents, and the air vent in the shelter door.

*c.* Lubricate all metal-to-metal moving parts.

*d.* Lubricate the major components as prescribed in the applicable technical manuals (appx I).

**CAUTION: More frequent lubrication may be required for items listed above, in excessively hot, humid, or dusty areas. Do not overlubricate.**

*e.* Remove shelter air filter and soak it in cleaning compound, benzine, or naphtha. Shake loose dirt from the air filter, air dry it, and replace it in its mounting.

*f.* Check the fire extinguishers (fig. 10 and 11) for broken wire seals on the trigger mechanisms. If the extinguisher has been used, or if there are signs of leakage, request that it be recharged by appropriate personnel.

## 46. Equipment Performance Checklist

This checklist is used to systematically check the AN/MCC–6 components. Only first echelon maintenance corrective measures are given in the *Corrective measures* column. If the corrective measures given do not correct the fault, request higher echelon maintenance. When using the checklist, start at the beginning and follow each step consecutively. If the trouble is suspected in a particular area, start checking at that point and continue the steps sequentially. Refer to the schematic and wiring diagrams (fig. 39 and 40) when checking circuits. When a fault or trouble is suspected in a major component, refer to the applicable technical manual (appx I). First echelon repair procedures are given in paragraphs 47 through 55.

| Item No. | Item | Action | Normal indications | Corrective measures |
|---|---|---|---|---|
| 1 | All switches, controls circuit breakers. | Operate to OFF ------- | POWER INDICATOR NEON LAMP remains on. | Replace POWER INDICATOR NEON LAMP (para 48*c*). |
| 2 | MAIN circuit breaker switch (fig. 19). | Operate to ON -------- | | |
| 3 | Voltmeter (fig. 19). | Use hand lantern and | Voltmeter indicates 115 | *a.* Reset MAIN circuit |

| | Item No. | Item | Action | Normal indications | Corrective measures |
|---|---|---|---|---|---|
| | | | read. | ±10 volts | breaker switch to OFF and then to ON.<br><br>*b.* Check connections at ac power source (para 28). Replace power cable assembly. |
| PREPARATORY | 4 | Ammeter (fig. 19). | Use hand lantern and read. | Ammeter indicates zero. | See that all other circuit breaker switches on power distribution panel are at OFF. |
| | 5 | Circuit breaker switches (fig. 19) No.: | | | |
| | | 1 LIGHTS ----- | *a.* Operate to ON ----- | *a.* Glowlamp above circuit breaker switches lights. | *a.* Replace glowlamp (para 48*c*). |
| | | | *b.* Operate LIGHT 1 and LIGHT 2 switches to ON. | *b.* Fluorescent lights go on. | *b.* Reset circuit breaker switch No. 1 to OFF, and then to ON.<br><br>If some, but not all, lights fail to go on, replace faulty lamp or starter (para 48*a* and *b*). |
| PREPARATORY | | | *c.* Release door microswitch by opening door. | *c.* Fluorescent lights go out, POWER INDICATOR NEON LAMP remains on. | *c.* Replace POWER INDICATOR NEON LAMP (para 48*c*). |
| | | | *d.* Operate BLACKOUT BYPASS switch to ON. | *d.* Fluorescent lights go on. | |
| | | 2 BLOWERS ------ | *a.* Operate to ON ----- | *a.* Glowlamp above circuit breaker switch lights. | *a.* Replace glowlamp (para 48*c*). |
| | | | *b.* Operate BLOWER 1 switch to ON (fig. 13). | *b.* Ammeter indicates approximately 3 amperes. BLOWER 1 operates. | *b.* Check inside cover for dirt, moisture, or obstructions (para 50). |
| | | | *c.* Repeat procedures listed in *a* and *b* above for BLOWER 2. | | |
| | | 3 HEATER -------- | *a.* Operate to ON ----- | *a.* Glowlamp lights ---- | *a.* Replace glowlamp (para 48*c*). |
| | | | *b.* Operate heater HEAT - OFF - FAN | *b.* Ammeter indicates above 16 amperes. | *b.* Press heater RESET pushbutton. |

| | Item No. | Item | Action | Normal indications | Corrective measures |
|---|---|---|---|---|---|
| | | | switch to HEAT. Operate TEMPERATURE CONTROL to desired position. | Warm air is blown from front of heater. When temperature rises to TEMPERATURE CONTROL setting, heat will be cut off. | |
| PREPARATORY | | | *c.* Operate heater HEAT-OFF-FAN switch to FAN. | *c.* Air (at room temperature) is blown from front of heater. | |
| | | 4 CONVENIENCE | Operate to ON | Glowlamp above circuit breaker switch lights. | Replace glowlamp (para 48*c*). Refer to item No. 6. |
| | | 5 AN/TCC–4 SYSTEM 1. | Operate to ON | Glowlamp above circuit breaker switch lights. | Replace glowlamp (para 48*c*). Refer to item No. 7. |
| | | 6 AN/TCC–7 SYSTEM 1. | Operate to ON | Glowlamp above circuit breaker switch lights. | Replace glowlamp (para 48*c*). Refer to item No. 7. |
| | | 7, 8, and 9 TA–182/U. | *a.* Operate to ON | *a.* Glowlamp above circuit breaker switches lights. | *a.* Replace glowlamp (para 48*c*). Refer to item No. 7. |
| | | | *b.* Operate TA–182/U subdistribution panel ON-OFF switches to ON. | *b.* Glowlamps above switches light. | *b.* Replace glowlamps (para 48*c*). |
| PREPARATORY | | 10 AN/TCC–4 SYSTEM 2. | Operate to ON | Glowlamp above circuit breaker switch lights. | Replace glowlamp (para 48*c*). Refer to item No 7. |
| | | 11 AN/TCC–7 SYSTEM 2. | Operate to ON | Glowlamp above circuit breaker switch lights. | Replace glowlamp (para 48*c*). Refer to item No. 7. |
| | | 12, 13, and 14 TA–182/U. | Operate to ON | Glowlamp above circuit breaker switch lights. | Replace glowlamp (para 48*c*). Refer to item No. 7. |
| | | 15 TH–5/TG-TT–4A/TG. | a. Operate to ON | *a.* Glowlamp above circuit breaker switch lights. | *a.* Replace glowlamp (para 48*c*). Refer to item No. 7. |
| | | | *b.* Operate TT–4A/TG-TH–5/TG ON-OFF switch to ON. | *b.* Glowlamp above switch lights. | *b.* Replace glowlamp (para 48*c*). |
| | 6 | S–185/MGC–6 equipment. | Operate as described in paragraph 36. | | If equipment (items No. 6 or No. 7) fails to operate, *reset* the ap- |

| | Item No. | Item | Action | Normal indications | Corrective measures |
|---|---|---|---|---|---|
| EQUIP. PERFORMANCE | 7 | Major components (para 5). | Operate equipment as described in applicable manuals (appx I). | | propriate circuit breaker switch. If equipment still does not operate, replace it, when possible, with equipment known to be in good condition (para 52 through 54) and request higher echelon maintenance. |
| STOP | 8 | Major components -- | Perform stopping procedures described in applicable technical manuals (appx I). | | |
| | 9 | S–185/MCC–6 equipment. | Perform stopping procedures described in paragraph 39. | | |

## 47. Replacement of Hand Lantern Batteries and Bulbs

(fig. 33)

The hand lantern requires four Batteries BA–30 which are not supplied with the hand lantern. A spare bulb is stored inside the reflector case.

*a. Replacing Batteries.*

(1) Pull the battery case latch forward and raise the battery case cover.
(2) Insert four batteries in the case with the center brass caps up.
(3) Snap the battery case cover shut.

*b. Replacing Bulb.*

(1) Press in on the button on the bottom of the reflector case and lift out the reflector.
(2) Unscrew the brass cap at the rear of the bulb and remove the bulb and spring.
(3) Remove the spare bulb from inside the reflector case. Insert the bulb and spring in the reflector and tighten the brass cap.
(4) Place the reflector in the reflector case and snap it securely in position.

## 48. Removal and Replacement of Lamps and Starters

*a. Fluorescent Lamp.*

(1) Pull gently to remove the light shield from the fluorescent fixture.
(2) Rotate the lamp in its sockets one-quarter turn and remove it from the lampholders.
(3) Remove a spare lamp from the ceiling storage brackets (fig. 13).
(4) Align the lamp pins with the keyways in each lampholder.
(5) Press in and rotate the lamp one-quarter turn to lock it in the lampholder.
(6) Place the clips in the light shield over the lampholders; gently press the light shield in place.

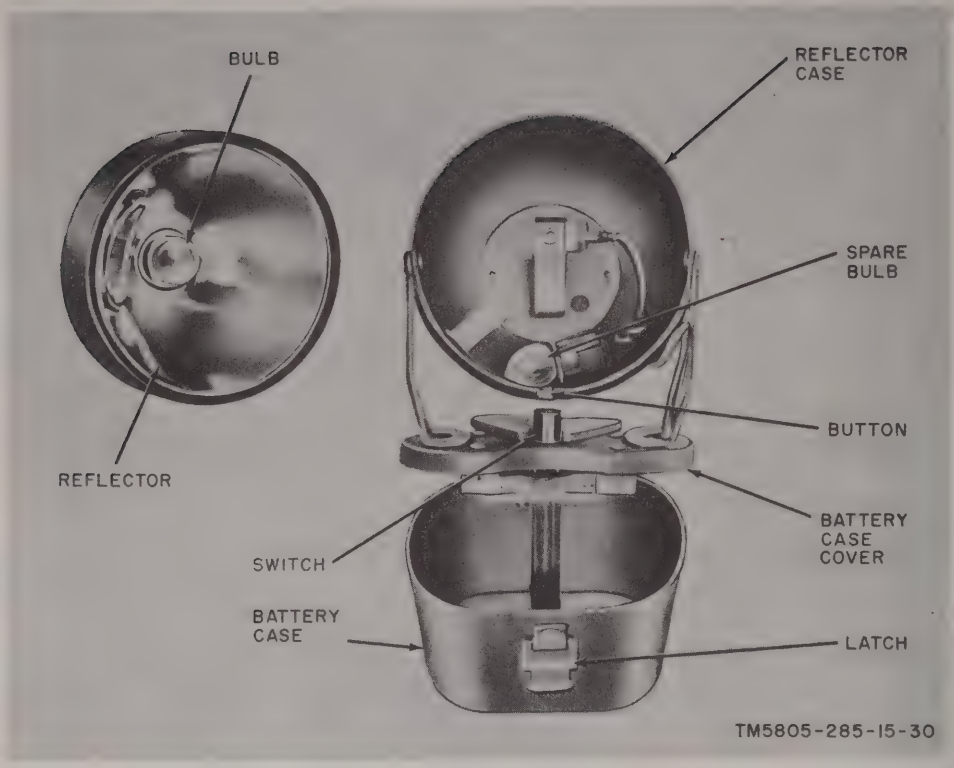



*Figure 33. Hand Lantern, identification of parts.*

*b. Fluorescent Lamp Starter.*

(1) Remove the lamp shield and lamp (*a* (1) and (2) above).

(2) Press in and twist the starter one-quarter turn counter-clockwise; remove the starter.

(3) Remove a spare starter from the ceiling storage bracket above the table (fig. 13). Insert a new starter; press in, and turn it clockwise until it seats.

(4) Replace the lamp and lamp shield (*a*(4), (5), and (6) above).

*c. Neon and Incandescent Lamps.* To remove a defective neon or incandescent lamp, unscrew it from its socket.

## 49. Removal and Replacement of Electric Heater

(fig. 21)

*a. Removal.*

(1) Operate the HEAT-OFF-FAN switch to OFF.

(2) Remove the power cord connector from the HEATER receptacle.

(3) Turn the four turnlock fasteners that secure the heater to the mounting base.

(4) Unscrew the mounting base knob.

(5) Slide the heater toward the right until it clears the flange on the mounting base and lift out the heater.

*b. Replacement.*

(1) Slide the heater onto the mounting base so that it engages the flange.

(2) Tighten the four turnlock fasteners.

(3) Replace and tighten the mounting base knob.

(4) Connect the power cord connector to the HEATER receptacle.

## 50. Removal and Replacement of Exhaust Blower Cover

*a.* Operate the associated BLOWER switch (fig. 13) to OFF.

*b.* Remove the power cord connector plug from the power receptacle.

*c.* Remove the 10 screws that secure the cover to the front wall and lift off the cover.

*d.* Replace the cover by reversing the procedure given in *a*, *b*, and *c* above.

## 51. Removal and Replacement of LS-147C/FI

*a.* Operate the OFF-SEND switch to OFF.

*b.* Remove the power cord connector from the convenience outlet (fig. 9).

*c.* Disconnect the telephone cord plug from the INTERCOM jack.

*d.* Loosen the captive wingnuts under the shelf and pull the LS–147C/FI forward.

*e.* Lift and remove the unit from the shelf mounting bracket. Disconnect the telephone cord from the binding posts at the rear of the LS–147C/FI.

*f.* Replace the LS–147C–FI by reversing the procedures given in *a* through *e* above.

## 52. Removal and Replacement of TA-312/PT

*a.* Remove the telephone cord plug from the PHONE jack in the signal duct and the prepared leads from the TA–312/PT binding posts.

*b.* Loosen the wingnut on the side of the mounting bracket. Pull the clamping arm forward and upward.

*c.* Remove the flathead screw on the side of the mounting bracket.

*d.* Slide the TA–312/PT out of the mounting bracket and remove the holding plate from the buzzer recess on the side of the TA–312/PT. Remove the batteries from the battery compartment.

*e.* Remove the replacement TA–312/PT from its carrying case (if applicable) and insert the holding plate into the buzzer recess.

*f.* Place the TA–312/PT in the mounting bracket. Replace and tighten the flathead screw. Insert two Batteries BA–30 in the battery compartment.

*g.* Position the clamping arm and tighten the wingnut.

*h.* Connect the prepared leads of the telephone cord to the TA–312/PT binding posts and connect the cord plug into the PHONE jack.

## 53. Removal and Replacement of Components of AN/TCC-4 and AN/TCC-7

*a.* Operate circuit breaker switches No. 5 and 10 (AN/TCC–4) or 6 and 11 (AN/TCC–7), as required, to OFF.

*b.* Disconnect all appropriate cables and wires for the unit to be removed.

*c.* Loosen the captive screws on the panel.

*d.* Pull the unit forward as far as it will go. Release the safety catches on both rack sides and lift the unit from the rack.

*e.* Replace the unit by reversing the procedures given in *a* through *d* above.

## 54. Removal and Replacement of TA-182/U and TH-5/TG

*a. TA–182/U.*

(1) Operate the associated switch on the TA–182/U subdistribution panel to OFF.

(2) Remove the power cord connector from the ac receptacle; tag and remove the wires from the binding posts.

(3) Loosen the captive screws on the front panel.

(4) Lift up the rack designation plate. Pull the chassis forward and lift it from its rack.

(5) Replace the unit by reversing the procedures given in *(1) through (4)* above. To restore the line wires ((2) above), refer to paragraph 18 and use the wiring applicable to the position of the replaced TA–182/U.

*b. TH–5/TG.*

(1) Perform the operations given in *a*(2), (3), and (4) above.

**CAUTION: Be careful not to bend or strain the wiring connections to the terminals on the TH–5/TG chassis.**

(2) Remove the wires connected to terminals D2 and F2 on the TH–5/TG chassis.

(3) Remove the TH–5/TG.

(4) Replace the unit by reversing the procedure given in (1) and (2) above. Refer to paragraph 20*b* and *c* to install the wiring on the TH–5/TG.

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## 55. Removal and Replacement of Teletypewriter TT–4A*/TG

*a.* Operate the TT–4(*)/TG LIGHT and MOTOR switches to OFF.

*b.* Remove the power cord connector from the ac receptacle.

*c.* Loosen the web strap across the top of the dust cover. Remove the dust cover.

*d.* Remove the teletypewriter connecting cords from the binding posts on the side of the TT–4(*)/TG. Replace the dust cover.

*e.* Loosen the four wingnuts beneath the tabletop. Remove the holddown bars and lift the TT–4(*)/TG from the table.

*f.* Remove and store immersionproof cover (if applicable) of the replacement TT–4(*)/TG. Install the TT–4(*)/TG by reversing the procedures given in *a* through *e* above.

# Section II. ORGANIZATIONAL, FIELD, AND DEPOT MAINTENANCE

*Note.* The maintenance allocation chart (appx I) indicates the maintenance functions authorized for each maintenance echelon.

## 56. Troubleshooting Information

*a.* Procedures for localizing troubles to components or wiring within the AN/MCC–6 are given in the equipment performance checklist (para 46).

*b.* Procedures for troubleshooting components, parts, and wiring of the S–185/MCC–6 are given in paragraph 57.

*c.* Procedures for troubleshooting major components of the AN/MCC–6 are given in appropriate technical manuals (appx I). Refer to paragraphs 52 through 55 for removal and replacement of major components.

## 57. Troubleshooting and Repair Procedures

**WARNING: Be extremely careful when performing troubleshooting procedures; dangerous voltages are present in the equipment.**

Isolate defective components, parts, or wiring of the S–185/MCC–6 by making appropriate voltage, resistance, or continuity tests with Multimeter TS–297/U, or, when practical, isolate trouble in signal circuits by monitoring. Use figure 39 when isolating trouble in the power circuits; use figure 40 for signal circuits. Repair or replace components, parts, or wiring. Use the chart below for references to repair procedures.

| Part or component | References | |
|---|---|---|
| | Paragraph | Figure |
| Circuit breaker switches No. 1 through 15. | 60*b* | 36, 39 |
| Current transformer | 60*a*, *c* | 36, 39 |
| Door microswitch | 62*b* | 39 |
| Electric heater | 58 | 34, 42 |
| Exhaust blower | 59 | 35, 43 |
| Fluorescent light fixture | 63 | 41 |
| Intercommunication Station LS–147C/FI. | | 48 |
| MAIN circuit breakers switch | 60*a*, *b* | 36, 39 |
| Meters | 60*a*, *d* | 36, 39 |
| Power duct switches | 62*a* | 39 |
| Shelter patching | 64 | |
| Toggle switches: | | |
| TA–182/U switchbox | 62*c*(1) | 39, 45 |
| TT–4A/TG–TH–5/TG switchbox. | 62*c*(2) | 39, 46 |
| 26-pair receptacle | 61 | 37, 38, 44 |

## 58. Electric Heater Repairs (fig. 34)

*a. Preliminary Procedures.* Before performing the repair procedures in *b* through *h* below, remove the heater from its mounting base

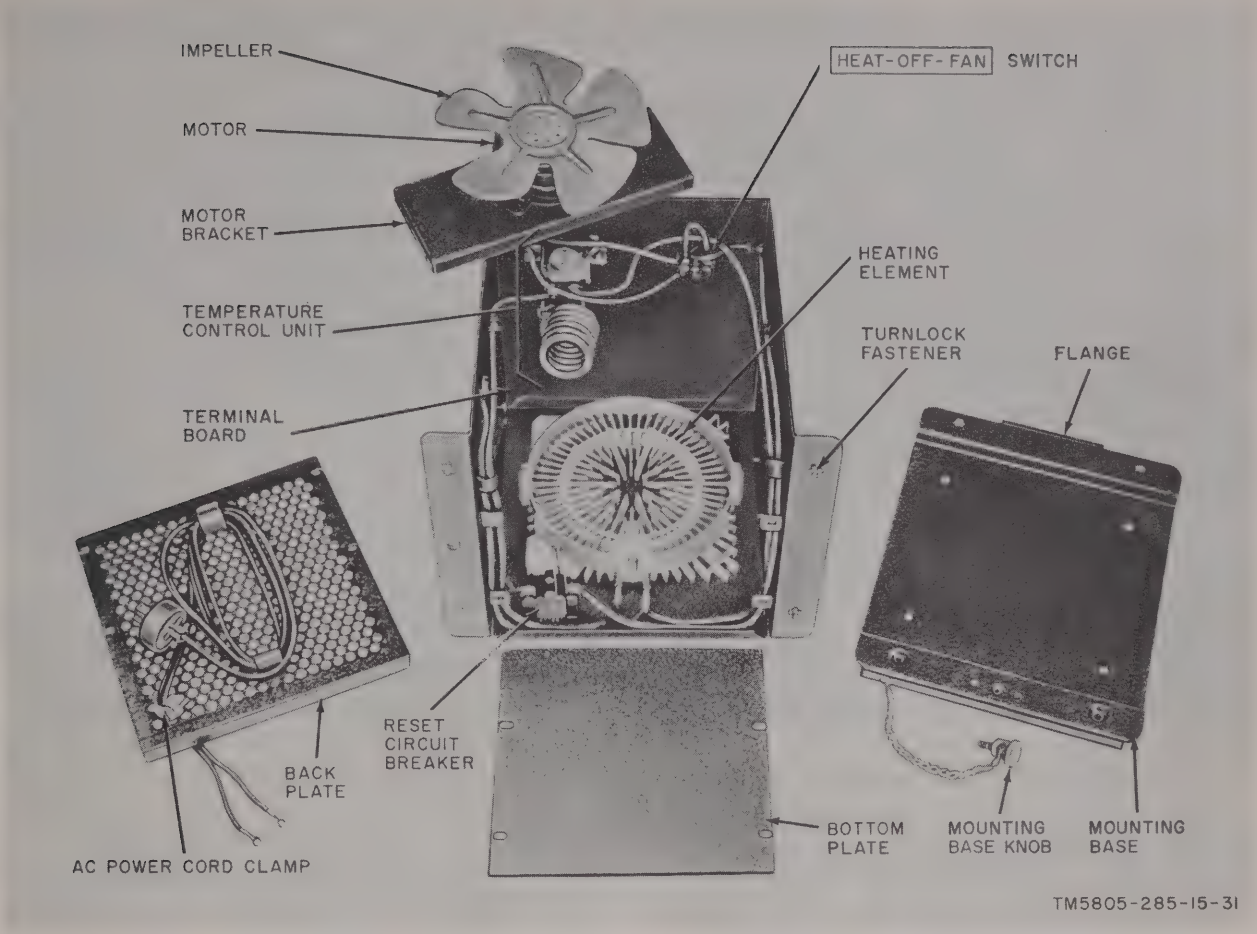



*Figure 34. Electric heater, rear view, identification of parts.*

(para 49) and remove the back and bottom plates as described in (1) through (4) below.

(1) Remove the four screws that secure the bottom plate to the heater.

(2) Remove the two screws that secure the backplate to the bottom plate, and remove the bottom plate.

(3) Loosen the ac power cord clamp on the backplate.

(4) Remove the four screws that secure the backplate to the heater and remove the backplate.

*b. Removal and Replacement of Ac Power Cord.*

(1) Loosen the screws that secure the power cord leads to the terminal board.

(2) Pull the power cord out of the clamp in the backplate.

(3) Insert a new power cord through the clamp in the backplate.

(4) Connect the leads to terminal board.

*c. Removal and Replacement of Temperature Control Unit.*

(1) Loosen the screws that connect the two wires to the temperature control unit.

(2) Remove the two screws that secure the unit to the cabinet and remove the unit.

(3) Insert the TEMPERATURE CONTROL switch of the replacement unit through the slot in the cabinet. Replace and tighten the screws.

(4) Connect the two wires to the temperature control unit.

*d. Removal and Replacement of HEAT-OFF-FAN Switch.*

(1) Unsolder the three wires and strap connected to the switch.
(2) Remove the nut that secures the switch to the top of the cabinet and remove switch.
(3) Solder the strap and three wires to the replacement switch.
(4) Position the switch, and tighten the nut.

*e. Removal and Replacement of RESET Circuit Breaker.*

(1) Loosen the screws that connect the two insulated wires to the circuit breaker. Loosen the bolt that secures the bare copper wire to the heating element.
(2) Remove the two screws that fasten the circuit breaker to the cabinet and remove the switch.
(3) Connect the two insulated wires to the replacement circuit breaker. Connect the bare copper wire to the heating element.

**CAUTION: Do not alter the shape or length of the bare copper wire.**

(4) Position the circuit breaker and replace and tighten the screws.

*f. Removal and Replacement of Impeller.*

(1) Remove the four screws that secure the motor bracket to the cabinet and lift out the bracket and motor.
(2) Unscrew the metal fastener that secures the impeller to the motor shaft and remove the impeller.
(3) Slide the replacement impeller onto the motor shaft and replace the fastener.
(4) Position the motor bracket in the cabinet. Replace and tighten the screws.

*g. Removal and Replacement of Heating Element.*

(1) Remove the four screws that secure the motor bracket to the cabinet. Remove the motor bracket.
(2) Loosen the bolt that secures the bare copper wire from the pushbutton switch to the heating element and remove the wire.

**CAUTION: Be extremely careful when removing this lead. Do not alter the length or shape of the bare copper wire.**

(3) Tag and remove the wire connectors from the plug-in terminals on the heating element.
(4) Remove the screws that secure the heating element to the cabinet. Be careful not to bend the louvers on the front of the cabinet during the removal procedures.
(5) Position the replacement element and replace and tighten the screws.
(6) Connect the wires to the plug-in terminals of the heating element.
(7) Replace the bare wire connected to the circuit breaker ((2) above).
(8) Position the motor bracket in the cabinet and replace and tighten the screws.

*h. Removal and Replacement of Motor.*

(1) Remove the motor bracket and impeller as described in *f*(1) and (2) above.
(2) Tag and disconnect the motor leads at the HEAT-OFF-FAN switch and at the taped splice in the heating element cable.
(3) Remove the three screws that secure the motor to the bracket.
(4) Insert a replacement motor into the bracket. Replace the impeller and motor bracket as described in *f*(3) and (4) above.
(5) Connect the motor leads.

## 59. Exhaust Blower Repairs

(fig. 35)

*a. Preliminary Procedures.* Before performing any of the repair procedures in *b* through *d* below, remove the exhaust blower cover (para 50) and remove the power cord connector from its receptacle (fig. 13).

**CAUTION: Do not bend the impeller blades when removing or replacing the exhaust blower.**

*b. Removal and Replacement of Capacitor.*

(1) Loosen the capacitor clamp screw.
(2) Remove the ac power cord clamp from the motor bracket.

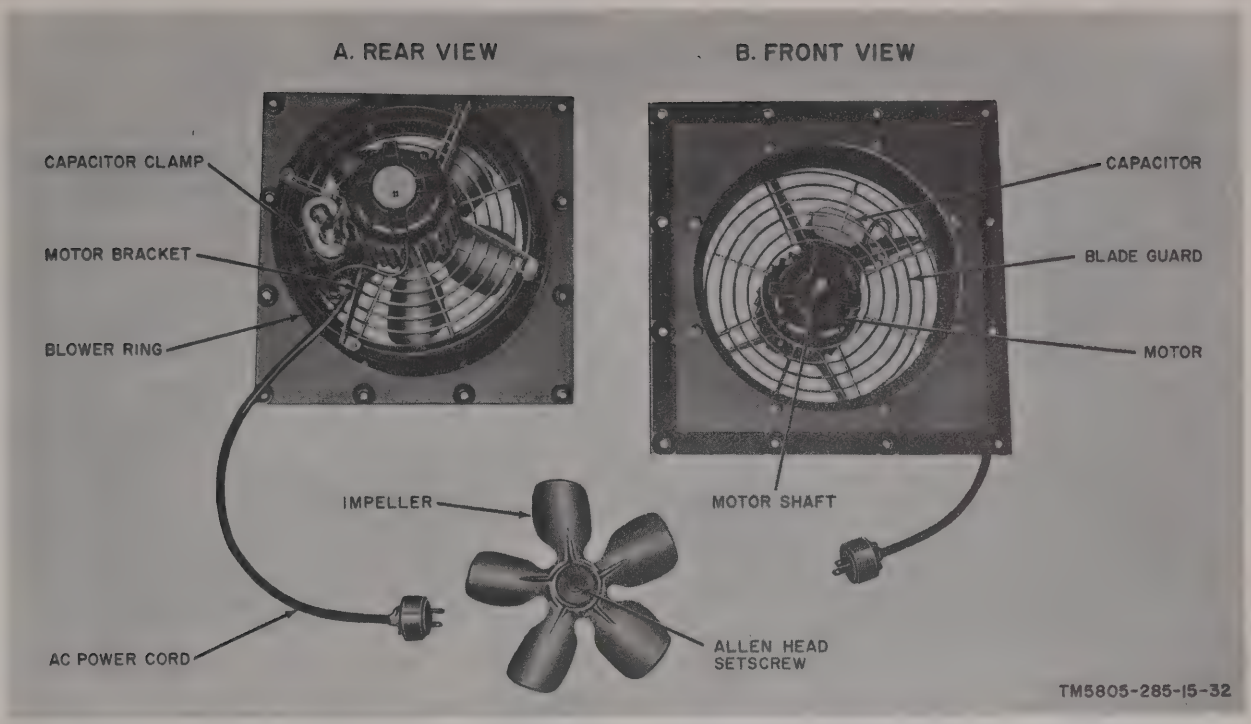



*Figure 35. Exhaust blower, identification of parts.*

(3) Slide the capacitor out of the clamp.
(4) Tag and disconnect the motor leads and ac power cord from the capacitor terminals.
(5) Connect the motor leads and ac power cord to the replacement capacitor (fig. 43).
(6) Slide the capacitor into the clamp and tighten the screw.
(7) Replace the ac power cord clamp.

*c. Removal and Replacement of Ac Power Cord.*

(1) Remove the capacitor from the clamp as described in *b*(2), (3), and (4) above.
(2) Tag and disconnect the ac power cord leads from the capacitor and motor leads.
(3) Connect the new ac power cord leads to the capacitor and motor leads (fig. 43).
(4) Slide the capacitor into the clamp and tighten the screw.
(5) Replace the ac power cord clamp.

*d. Removal and Replacement of Motor and Impeller.*

(1) Remove the two screws from the bottom edge of the plate that holds the exhaust blower to the front wall.
(2) Lift the exhaust blower away from the wall.
(3) Remove the four bolts that secure the blade guard and motor brackets to the blower ring.
(4) Tag and disconnect the motor leads from the capacitor and ac power cord.
(5) Remove the ac power cord clamp.
(6) Remove the four screws that secure the motor brackets to the motor.
(7) Loosen the two Allen-head setscrews that secure the impeller.
(8) Slide the impeller (setscrews toward the motor) onto the shaft of the new motor and tighten the setscrews.
(9) Secure the motor brackets to the new motor.

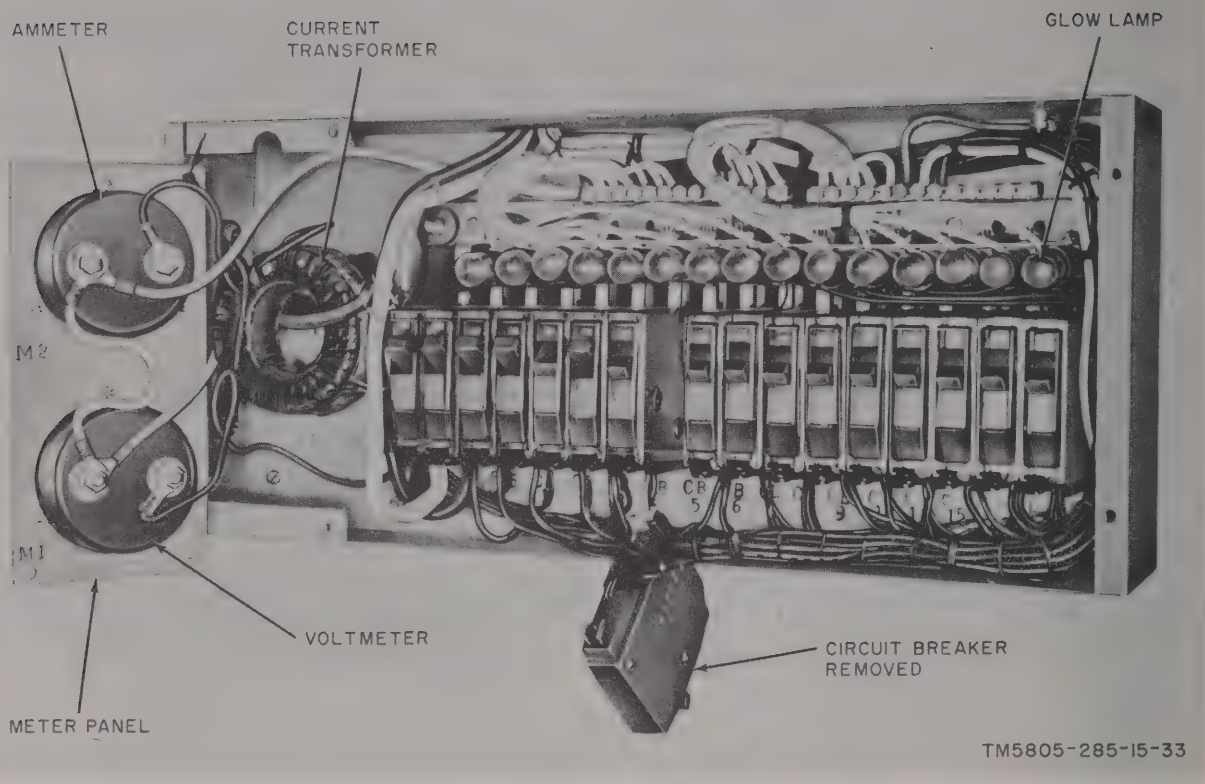



*Figure 36. Power distribution panel, cover removed, identification of parts.*

(10) Connect the motor leads to the capacitor and ac power cord (fig. 43).
(11) Replace the ac power cord clamp.
(12) Position the motor brackets and blade guard on the blower ring.
(13) Insert and tighten the bolts that secure the motor bracket and blade guard to the blower.
(14) Replace the exhaust blower by reversing the procedures given in (1) and (2) above.
(15) Replace the exhaust blower cover (para 50).

## 60. Power Distribution Panel Repairs (fig. 36)

*a. Preliminary Procedures.* Operate the MAIN circuit breaker switch to OFF. Disconnect the ac power cable at the power and signal entrance box (fig. 17). Remove the four screws that secure the cover to the power distribution panel and remove the cover before performing the procedures given in *b*, *c*, and *d* below.

*b. Removal and Replacement of Circuit Breaker.*

(1) Grasp the defective circuit breaker and pull it straight out from the panel.
(2) Firmly press the replacement circuit breaker back into the panel.

*c. Removal and Replacement of Current Transformer.*

(1) Remove the four screws that hold the meter panel to the power distribution panel.
(2) Tag and disconnect the current transformer leads from the meters.
(3) Remove the two bolts that secure the current transformer inside the panel and remove the current transformer.

*Note.* Count the number of turns of heavy black wire around the current transformer before proceeding with the next step.

(4) Disconnect the black wire wound around the current transformer from the MAIN circuit breaker switches and carefully unwind the wire from the current transformer.

(5) Wind the black wire around the replacement transformer. Be sure that the number of turns is the same as on the original transformer. Reconnect the black wire to the MAIN circuit breaker switches (fig. 39).

(6) Position the replacement transformer inside the panel and replace and tighten the bolts.

(7) Connect the transformer leads to the meters (fig. 39).

(8) Replace the meter panel and tighen the screws.

*d. Removal and Replacement of Meter.*

(1) Remove the four screws that hold the meter panel to the power distribution panel.

(2) Remove the bolts that hold the meter to the meter panel and lift out the meter.

(3) Tag and disconnect the leads from the meter terminals.

(4) Connect the leads to replacement meter (fig. 39).

(5) Position the meter in the panel and tighten the screws.

(6) Replace the meter panel.

## 61. Removal and Replacement of 26-Pair Receptacle Insert

*a. Removal.*

(1) Remove the screws that fasten the cover to the power entrance panel (fig. 11); remove the cover.

(2) Remove the screws that secure the insert clips (fig. 37).

(3) Unfasten the cable clip nearest the 26-pair receptacle mounting.

(4) At the power and signal entrance box (fig. 17), remove the 26-pair receptacle cover (para 32*a*(1)).

(5) Lift the receptacle insert (fig. 38) out from the front of the 26-pair receptacle housing.

(6) Tag and unsolder the wires from the receptable insert.

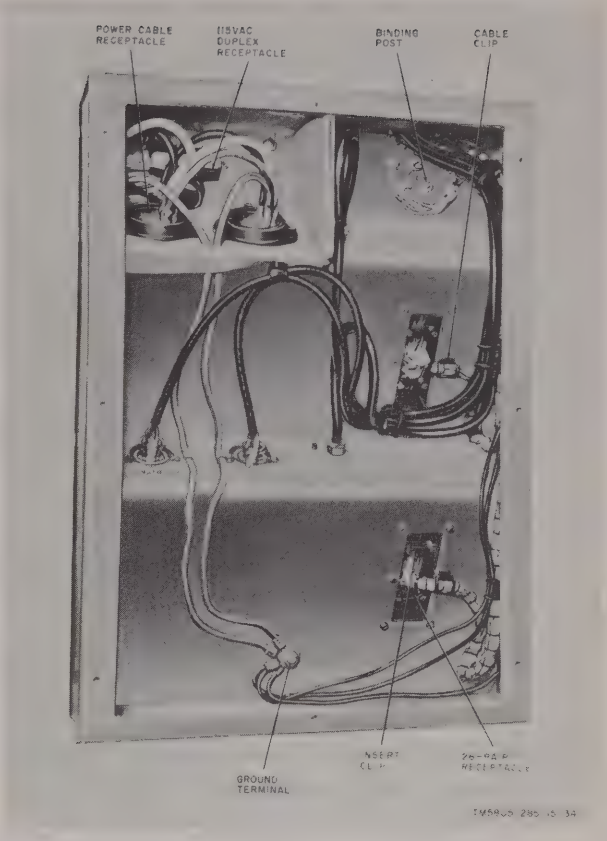



*Figure 37. Power and signal entrance box, identification of parts.*

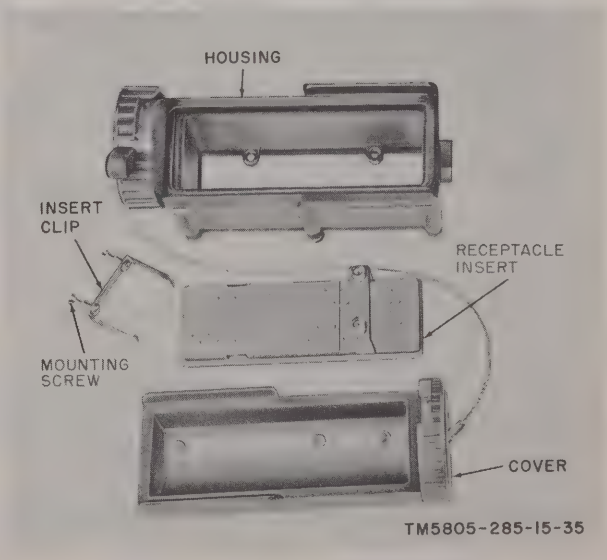



*Figure 38. 26-pair receptacle, identification of parts.*

*b. Replacement.*

(1) Connect the cable wire to the replacement insert (fig. 44).

**CAUTION: Be extremely careful when connecting and soldering wires. Excessive heat or pressure will damage the insert.**

(2) Carefully replace the insert in the housing (fig. 38).

**CAUTION: Be extremely careful not to damage the wires when replacing screws or when taking up slack in the 26-pair cable.**

(3) Replace the four screws that secure the insert clip (fig. 37) to the 26-pair receptacle housing.

(4) Secure the cable form under the cable clip.

(5) Replace the power entrance panel cover, and replace and tighten the screws.

(6) Replace the connector cover (para 32*a*(2) ).

## 62. Removal and Replacement of Switches

*a. Power Duct Switches.*

(1) Operate the associated circuit breaker switch to OFF (fig. 39).

(2) Remove the screws from the brackets at each end of the switch. Remove the two brackets and the switchplate.

(3) Remove the switch mounting screws and the switch.

(4) Tag and remove the wires from switch and connect the wires to the replacement switch.

(5) Replace the switch by reversing the procedures given in (1), (2), and (3) above.

*b. Door Microswitch.*

(1) Disconnect the ac power supply to the shelter.

(2) Carefully pry off the duct cover from the power duct between the POWER INDICATOR NEON LAMP and the LIGHT 1 switch.

(3) Tag and remove the wires from the NO and C terminals of the switch (fig. 39).

(4) Unscrew the nut from the door side of the switch and remove the switch.

(5) Replace the switch by reversing the procedures given in (1) through (4) above.

*c. Toggle Switches.*

(1) *TA–182/U subdistribution panel.*

(*a*) Operate the associated circuit breaker switch to OFF (fig. 39).

(*b*) Remove the four screws from the front panel. Remove the panel.

(*c*) Remove the hexagonal nut. Remove the switch.

(*d*) Tag and remove the wires from the switch.

(*e*) Connect the wires to the replacement switch (fig. 45).

(*f*) Replace the switch by reversing the procedures given in (*b*) and (*c*) above.

(2) *TT–4A/TG-TH–5/TG switchbox.*

(*a*) Operate circuit breaker switch No. 15 to OFF (fig. 39).

(*b*) Remove the screws from the housing of the switchbox. Remove the housing.

(*c*) Remove the hexagonal nut. Remove the switch.

(*d*) Tag and remove the wires from the switch.

(e) Connect the wires to the replacement switch (fig. 46).

(*f*) Replace the switch by reversing the procedures given in (*b*) and (*c*) above.

## 63. Removal and Replacement of Fluorescent Light Fixture Components

*Note.* The fluorescent light fixtures are fabricated as part of the ceiling power duct. The radiofrequency (rf) filters are sealed units and cannot be repaired. They are to be replaced as a complete unit and grounded (fig. 41) through the mounting bolt in the shelter ceiling.

*a.* Operate the associated LIGHT switch to OFF. Remove the light shield and the fluorescent lamp (para 48). Carefully pry off the cover from the power duct.

*b.* Tag and disconnect the wires from the defective component (fig. 39) and remove the component from the power duct.

*c.* Secure the replacement component in the power duct.

*d.* Connect the wires to the replacement component (fig. 41).

*e.* Replace the cover on the power duct.

*f.* Replace the fluorescent light fixture by reversing the procedures given in *a* above.

## 64. Shelter and Repairs (Third and Fourth Echelon)

*a.* The maintenance or repair of the ~~S–185/MGC–6~~ racks, frames, brackets, and assorted hardware is accomplished by removing and replacing screws or bolts. When any exterior component of the shelter is replaced, be sure that the gasket is adequately sealed to the shelter to prevent leakage. The responsibilities for shelter maintenance are listed in the maintenance allocation chart (appx II).

*b.* The exterior skin of the shelter is susceptible to puncturing or gouging during the loading and transportation procedures. Use Patch Kit, Shelter, Electrical Equipment (Federal stock No. 5410–783–6250) to repair the roof or sides of the shelter as described in the instructions provided with the patch kit and given below.

(1) Use emery cloth, sandpaper, a knife, or scraper and remove all paint or foreign matter within a three-inch radius around the hole to be patched. Do not touch the cleaned area with your hands or dirty rags.

(2) If the insulation has been gouged out, fill the hole with clean noncombustible material, if possible. *Do not use the glass cloth for this purpose.*

(3) Cut out a piece of glass cloth that will extend two inches beyond the edges of the hole to be repaired.

**WARNING: Resin No. 797 and curing agent No. 237 are harmful to the skin. Wash thoroughly with water any area of the body that may have come in contact with the liquid resin or curing agent.**

(4) Pour three ounces of resin No. 797 for each square foot of surface area to be covered into the mixing cup provided. Shake the can thoroughly before pouring out the resin. Temperature and climate will determine the quantity of curing agent and cold weather promoter to be added to the resin. Use the eye dropper provided and prepare the mixture as follows:

(a) For temperatures above 55°F: Fill the eye dropper to the redline with curing agent No. 237. Add the curing agent to the resin and mix thoroughly.

(b) For temperatures between 20° and 55°F: Fill the eye dropper to the redline with curing agent No. 237. Fill the eye dropper to the half-way mark with cold weather promoter No. 347. Add the cold weather promoter to the combined curing agent and resin and mix thoroughly.

(c) For temperatures below 20°F: Fill the eye dropper to the redline with curing agent No. 237; add the curing agent to the resin and mix thoroughly. Fill the eye dropper to the redline with cold weather promoter No. 347. Add the cold weather promoter to the combined curing agent and resin and mix thoroughly.

(5) Use the spatula (or the brush in hard-to-reach areas or when the temperature is above 55°F) and spread a liberal coating of the prepared mixture over the surface to be patched. Place the glass cloth ((3) above) over the coating and press it lightly with the applicator Spread a second liberal coating of the mixture over the glass cloth; work from the center of the patch towards the edges.

(6) Examine the patch to see that the edges are flat and firmly embedded in the mixture. Be sure that the patch is *completely* covered by the mixture. Prepare and apply an additional mixture, if necesary.

*Note.* To accelerate curing in cold weather, heat the patch with warm, dry air or radiant heat. *Do not use an open flame.*

(7) Depending on the temperature and drying conditions, the patched surface may be sanded and painted within 4 to 24 hours application.

When the mixture on the spatula has hardened, flex the spatula to crack the mixture. Clean the cup and spatula and store them for future use. Discard the used brushes; recap and store the containers.

**CAUTION: Shelf life is severely limited by heat. Recap the containers tightly and store them in a cool dry place.**

# CHAPTER 5

# THEORY

## 65. General

*a.* The circuit capabilities of the AN/MCC–6 (fig. 1) depend on the arrangement of the AN/TCC–4 terminals, and on whether they operate over the AN/TCC–7 terminals or over the spare lines. When the AN/TCC–4 terminals are arranged as 4-, 8-, or 16-channel systems and operate over the AN/TCC–7 terminals, 20, 22, or 23 telephone channels respectively and 16 telegraph channels are available. When the AN/TCC–4 terminals operate over spare lines, 24 telephone channels and 16 telegraph channels are available. A patch panel provides facilities for arranging the equipment as required.

*b.* All power and signal connections are made on the outside of the shelter. The binding posts in the binding post signal entrance box are connected in parallel with the 26-pair receptacles in the power and signal entrance box.

*c.* Connections between the AN/TCC–7 and the distant terminal are made at the spiral-four cable connectors in the power and signal entrance box.

*d.* Ac power within the shelter is controlled and distributed at the power distribution panel.

## 66. Signal Circuits
(fig. 40)

*a. Carrier Telephone Circuits, AN/TCC–7's.*

(1) *Channel 1-SYSTEM 1, two-wire circuit.* The telephone line for channel 1 is connected to SIGNAL 1 receptacle J1 (pair 1) or SIGNAL 1 binding posts (pair 1).

*(a) Transmission.* The transmit signal is applied from CHAN 1 2W–4WT binding posts through the CH–1 2WT/R 4WT cutoff jack at the patch panel to the LINE side of TA–182/U No. 1. The output from TA–182/U No. 1 is extended from the LOOP side to the binding posts in the signal entrance box and the terminals of 26-pair receptacle J1.

*(b) Reception.* The receive signal path is the same as described in (*a*) above.

(2) *Channel 1–SYSTEM 1, four-wire circuit.* The telephone lines for channel 1 are connected to the SIGNAL 1 connectors (pairs 1 and 2) or SIGNAL 1 binding posts (pairs 1 and 2).

*(a) Transmission.* The transmit signal path (pair 1) is the same as described in (1) (*a*) above.

(*b*) The receive signal is applied from the SIGNAL 1 receptacle (pair 2) and the associated binding posts through the CH–1 4WR cutoff jack at the patch panel to the LOOP side of TA–182/U No. 1. The output from the LINE side of TA–182/U No. 1 is applied to CHAN 1 4WR binding posts.

(3) *Remaining Channels, SYSTEMS 1 and 2.* The signal paths for channels 2 through 12 of SYSTEM 1 and channels 1 through 12 of SYSTEM 2 is the same as those described in (1) and (2) above except for the addition of the TA–182 #12 LINE SIDE jack and the designations on the TA–182/U's, the patch panel jacks, the channels of the AN/TCC–7, and the SIGNAL receptacles pairs and binding post pairs.

(4) *Spiral-four circuit.* The spiral-four cables that connect the AN/TCC–7's to the distant terminal are connected

to the SP–4 (1) (for SYSTEM 1 AN/TCC–7) and SP–4 (2) (for SYSTEM 2 AN/TCC–7) receptacles in the power and signal entrance box. The carrier signals of each AN/TCC–7 are extended from the AM–707/TCC–7 TO CABLE connector through a spiral-four cable to associated receptacle.

*b. Carrier Telegraph Circuits, AN/TCC–4's.*

(1) *Channel 1–SYSTEM 1, two-wire circuit.* Two-wire loop telegraph circuits are operated as vf circuits only. The telegraph loop circuit for channel 1 is connected to SIGNAL 3 receptacle in the power and signal entrance box (pair 2) or the associated binding posts (pair 2) in the binding post signal entrance box.

*(a) Sending.* The send signal is applied from the AN/TCC–4 4WR–2W binding posts to pair 2 in SIGNAL 3 receptacle or the associated binding posts.

(*b*) *Receiving.* The receive signal path is the same as the sending path ( (*a*) above).

(2) *Channel 1-SYSTEM 1, four-wire circuit.* The four-wire loop telegraph circuits may be operated as vf or dc circuits. The signal path is the same for both types of operation. The send signal path is applied from the AN/TCC–4 channel 4WS binding posts to SIGNAL 3 receptacle (pair 1) or the associated binding posts. The receive signal path is the same as described in (1) (*a*) above.

(3) *Remaining channels, SYSTEM 1 and SYSTEM 2.* The signal paths for channels 2 through 8 of SYSTEM 1 and channels 1 through 8 of SYSTEM 2, are the same as those described in (1) and (2) above except for the designation of the AN/TCC–4 channels and the associated SIGNAL receptacle pairs and binding post pairs.

(4) *Carrier line circuits.* The carrier output signal path of each AM–683/T of each AN/TCC–4 is extended from 4W SEND, 2W, and 4W REC binding posts to patch panel jacks 4WS, 2WS/R, and 4WR, respectively.

(5) *16 CHANNEL-4 OR 8 CHANNEL switch.* This switch provides a means of operating the two AN/TCC–4 terminals as a 16-channel terminal or each AN/TCC–4 as 4- or 8-channel terminals.

*(a) 16 CHANNEL position.* When the switch is in 16 CHANNEL position, the AM–683/T in rack 5 of SYSTEM 1 is connected to the AM–683/T in rack 1 of SYSTEM 2. The carrier output for the 16 channels is extended from the AM–683/T in rack 5 of SYSTEM 1 AN/TCC–4 to the AN/TCC–4 SYSTEM 1, CH 1-4 OR 1-8 OR 1-16, 4WS and 4WR jacks at the patch panel.

*(b) 4 OR 8 CHANNEL position.* When the switch is in 4 OR 8 CHANNEL position, the AM–683/T in rack 5 of SYSTEM 1 is disconnected from the AM–683/T in rack 1 of SYSTEM 2. The carrier output is extended from each AM–683/T of each AN/TCC–4 to the associated 4WS, 2WS/R, and 4WR jacks at the patch panel.

(6) *Four-channel operation.* The 16 CHANNEL-4 OR 8 CHANNEL switch is set in 4 OR 8 CHANNEL position.

*(a) Four-wire operation.* The carrier output of channels 1-4 is applied from the 4W SEND and 4W REC binding posts of the AM–683/T associated with channels 1-4 to the AN/TCC–4 SYSTEM ( ), CH 1-4 OR 1-8 OR 1-16, 4WS and 4WR jacks, respectively, on the patch panel. The carrier output of channels 5-8 is applied from the 4W SEND and 4W REC binding posts of the AM–683/T associated with channels 5-8 to the AN/TCC–4 SYSTEM ( ), CH

5-8, 4WS and 4WR jacks, respectively, on the patch panel.

*(b) Two-wire operation.* The carrier output of channels 1-8 is applied from the 2W binding posts of the AN/683/T associated with channels 1-4 to the AN/TCC–4 SYSTEM ( ), CH 1-4 OR 1-8 OR 1-16, 2WS/R jack, on the patch panel.

*c. Patching.*

(1) *AN/TCC–4 to AN/TCC–7 channel.*

*(a) Two-wire.* The AN/TCC–4 carrier output is extended at the patch panel through a patch cord from the AN/TCC–4 SYSTEM ( ), CH 1-4 OR 1-8 OR 1-16 (for 1-4 or 1-8 channels) or CH 5-8 (for 5-8 channels), 2WS/R jack to the AN/TCC–7 SYSTEM ( ), CH ( ) 2WT/R–4WT jack at the patch panel. The circuit is then extended to the channel 2W–4WT binding posts in the AN/TCC–7.

(*b*) *Four-wire.* The AN/TCC–4 carrier output is extended at the patch panel through two patch cords: one for the sending circuit (*1* below) and one for the receiving circuit (*2* below).

*1. Sending.* The AN/TCC–4 carrier output is extended at the patch panel through a patch cord from the AN/TCC–4 SYSTEM ( ), CH 1-4 OR 1-8 OR 1-16 (for 1-4 or 1-16 channels) or CH 5-8 (for 5–8 channels), 4WS jack to the AN/TCC–7 SYSTEM ( ), CH ( ) 2WT/R-4WT jack. The circuit is then extended to the channel 2W-4WT binding posts in the AN/TCC–7.

*2. Receiving.* The AN/TCC–4 input is extended at the patch panel through a patch cord from the AN/TCC–4 SYSTEM ( ), CH 1-4 OR 1-8 OR 1-16 (for 1-4 or 1-16 channels), or CH 5-8 (for 5-8 channels), 4WR jack to the AN/TCC–7 SYSTEM ( ), CH ( ) 4WR jack. The circuit is then extended to the channel 4WR binding posts in the AN/TCC–7.

(2) *AN/TCC–4 to spare lines.* The circuit from the AN/TCC–4 is extended at the patch panel through a patch cord (two-wire) or patch cords (four-wire) from the SPARES, CONN 4 jack or jacks to the AN/TCC–4 SYSTEM ( ) jacks given in (1) above for two-wire and four-wire carrier telegraph line operation.

*d. Intershelter Communication Circuits.*

(1) A telephone line is connected to the PHONE binding posts in the power and signal entrance box, pair 25 of any 26-pair cable receptacle in the power and signal entrance box, or pair 25 binding posts of SIGNAL 2 through 4 in the binding post signal entrance box. The telephone signals are applied through the signal duct wiring to the PHONE jack and through the telephone cord to the TA–312/PT (TM 11–2155). The circuit is also extended to the PHONE jack on the patch panel.

(2) An intercom line is connected to the INTERCOM binding posts in the power and signal entrance box, pair 26 of any 26-pair cable receptacle in the power and signal entrance box, or pair 26 binding posts of SIGNAL 2 through 4 in the binding post signal entrance box. The signals are applied through the signal duct wiring to the INTERCOM jack and through the telephone cord to the LS–147C/FI (fig. 48).

*e. Internal Binding Post Circuits.* Spare line circuits are available from the binding posts SIGNAL 4 pairs 19 through 24 in the signal entrance box, or the 26-pair receptacle SIGNAL 4 pairs 19 through 24 in the power and signal entrance box. The circuit pairs are wired to binding posts 1 through 6 on the internal binding posts panel and the terminating patch panel jacks SPARES CONN 4, LINE 19 through LINE 24.

## 67. Ac Power Circuits (fig. 39)

*a. Ac Power.*

(1) Input power to the shelter is connected to IN POWER 115V AC receptacle J1 in the power and signal entrance box (para 28). A parallel-connected receptacle, J2, OUT POWER 115V AC, is provided so that another area shelter may be connected to the same power source, provided the power rating of the power source is not exceeded.

(2) Power from receptacle J1 is applied through the power duct to the MAIN circuit-breaker switch in the power distribution panel. Power is applied to the shelter outlets and fluorescent fixtures through individual circuit breaker switches CB1 through CB15. Glowlamp DS16 is connected in parallel with input receptacle J1 and glows when current from the ac power source is applied to the shelter. A glowlamp indicator is connected in series with each circuit breaker switch, CB1 through CB15.

*b. Voltmeter, Ammeter, and Frequency Meters.* Voltmeter M1, connected across the ac input circuit, indicates the voltage applied to the AN/MCC–6 from the ac power source. The voltmeter has a 0- to 150-volt scale. Ammeter M2, connected to the ac input circuit through current transformer T1, indicates the total current consumed by the components of the AN/MCC–6. The ammeter has a 0- to 100-ampere scale.

*c. TA–182 SUB DISTRIBUTION PANEL* (fig. 45). Ac power to the TA–182/U's is controlled by this panel. Each outlet is controlled by a toggle switch. A glowlamp lights when the associated switch is on. A separate ac power cord connected to a power duct outlet (fig. 39) is provided for each group of four outlets.

*d. TT–4A/TG-TH–5/TG Switchbox* (fig. 46). AC power to the TT–4(*)/TG and the TH–5/TG is controlled by this switchbox. A single toggle switch, with glowlamp, controls the application of power to the duplex outlet. An ac power cord connects the switchbox to the power duct outlet (fig. 39).

# SHIPMENT AND LIMITED STORAGE AND DEMOLITION

## CHAPTER 6

## Section I. SHIPMENT AND LIMITED STORAGE

### 68. Disassembly of Equipment

Perform the following operations when Terminal, Telegraph-Telephone AN/MCC–6 is being moved to a different location or placed in storage.

*a.* Turn off all equipment power switches and circuit breaker switches except the LIGHT 1 and LIGHT 2 switches, circuit breaker switch No. 1 (LIGHTS), and the MAIN circuit breaker switch.

*b.* Remove the batteries from the TA–312/PT, TS–297/U, TS–712/TCC–11, and the hand lantern for prolonged storage or long-distance shipment.

*c.* Secure all component items in their shelter cases, rack mountings, or holders.

*d.* Remove and store all patch cords. Place all miscellaneous items in the storage cabinets and secure the cabinets for transit.

*e.* Check to see that all equipment items are secured in position for transit.

*f.* Disconnect the field wires from the PHONE and INTERCOM binding posts in the power and signal entrance box (fig. 17).

*g.* Disconnect the 26-pair cables and spiral-four cables in the power and signal entrance box and replace the covers on the connectors and receptacles.

*Note.* The 26-pair cable is stored in the shelter from which it was originally connected.

*h.* Disconnect the field wires from the binding post in the binding post signal entrance box (fig. 18). Close and secure the cover.

*i.* Operate the LIGHT 1 and LIGHT 2 switches, circuit breaker switch No. 1 (LIGHTS), and the MAIN circuit breaker switch to OFF.

*j.* If power was obtained from the PU–294/G, proceed as follows:

(1) Stop the PU–286/G (TM 11–940A).

(2) Disconnect the power cable connector from the power cable stub connector. Replace the connection covers.

(3) Disconnect the power cable stub from the terminals of the PU–286/G and store it in cabinet No. 1.

*k.* If power was obtained from a commercial source, proceed as follows:

(1) Turn off or disconnect the power.

(2) Disconnect the power cable connector from the power cable stub connector. Replace both connector covers.

(3) Disconnect the power cable stub from the commercial source and store it in cabinet No. 1.

*l.* Disconnect the power cable from the IN POWER 115V AC receptacle in the power entrance box and replace the covers on the receptacle.

*m.* Disconnect the ground straps from the GROUND TERMINAL in the power and signal entrance box, the GND terminal on the PU–286/G, and from the ground rod.

*n.* Store the ground straps in cabinet No. 1.

*o.* Close and secure the covers on the vents on the exhaust blowers and the air filter.

*p.* Remove the ground rods and secure them in the shelter (fig. 11).

*q.* Wind the power cable and the signal cable on the cable reels and secure the reels to the shelter floor with the tiedown bar (fig. 12).

*r.* Recheck the area for loose items. Be sure that all items are properly stored in shelter and the PU–294/G.

*s.* Clean the shelter thoroughly. Check to see that the floor drain plub (fig. 12) is tightly closed.

*t.* Close and lock the shelter door.

TM 11–5805–285–15
*C 4

TECHNICAL MANUAL

# Operator's, Organizational, Field and Depot Maintenance Manual

# TERMINAL, TELEGRAPH-TELEPHONE AN/MCC–6

TM 11–5805–285–15
CHANGES No. 4

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *5 August 1963*

TM 11–5805–285–15, 13 February 1961, is changed as follows:

*Note.* The parenthetical reference to previous changes (example: "page 7 of C 2") indicates that pertinent material was published in that changes.

Change "PU–294/G" to PU–474/M in the following places:

*Page 3*, paragraph 3, Lines 16 and 17.

*Page 5*, paragraph 4, second line from bottom of of first column. Paragraph 5, chart, "Item" column, lines 4 and 5.

*Page 7*, paragraph 8, line 2; paragraph 9, line 4.

*Page 17*, paragraph 9*k*, heading and line 1.

*Page 44*, paragraph 27*d*, line 3; paragraph 28, introduction, line 5. Subparagraph *b*, heading.

*Page 79*, paragraph 68*j*, lines 1 and 2; subparagraph *r*, line 3.

*Page 99*, appendix III, section II (page 7 of C 2), column 4.

*Page 3* Add paragraph 1.1 after paragraph 1.

## 1.1 Index of Publications

Refer to the latest issue of DA Pam 310–4 to determine whether there are new editions, changes, or additional publications pertaining to the AN/MCC–6. DA Pam 310–4, is a current index of technical manuals, technical bulletins, supply bulletins, lubrication orders, and modification work orders that are available through publications supply channels. The index lists the individual parts (–10, –20, –35P, etc.) and the latest changes and revisions of each equipment publication.

Delete paragraph 2 (as changed by C 3, 19 Jan 63) and substitute:

## 2. Forms and Records

*a. Reports of Maintenance and Unsatisfactory Equipment.* Use equipment forms and records in accordance with instructions in TM 38–750.

*b. Report of Damaged or Improper Shipment.* Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700–58 (Army), NAVSANDA Publication 378 (Navy), and AFR 71–4 (Air Force).

*c. Comments on Manual.* Forward all comments on this publication direct to: Commanding Officer, U.S. Army Electronics Materiel Support Agency, ATTN: SELMS–MP, Fort Monmouth, N.J. (DA Form 1598 (Record of Comments on Publications), DA Form 2496 (Disposition Form), or letter may be used.)

Paragraph 3. Make the following changes:

Line 7. Change "AN/MCC–7'S" to: AN/TCC–7'S

Lines 17 and 18. Delete "Gasoline Engine Generator Sets PU–286/G" and substitute: generator set.

*Page 17*, paragraph 9*k*, lines 2 and 3. Delete "Gasoline Engine Generator Sets PU–286/G (TM 11–940A)" and substitute: generator sets.

*Page 43.* Delete figure 30 and substitute new figure 30.

*Page 44*, paragraph 26. Delete subparagraph *b* and substitute:

*b. Securing Shelter in Truck* (fig. 30).

(1) Install the tiedown ring assembly (A, fig. 30) (part of the sling assembly) above the center support on the cargo bed side rail of the truck.

(2) Use the hook at the end farthest from the turnbuckle and hook each of the sling assemblies to a tiedown eye of the shelter.

(3) Secure the sling hooks to the tiedown ring (B, fig. 30).

(4) Follow the procedures given in (1) through (3) above to secure the other side of the shelter.

*These changes supersede C 3, 29 January 1963.

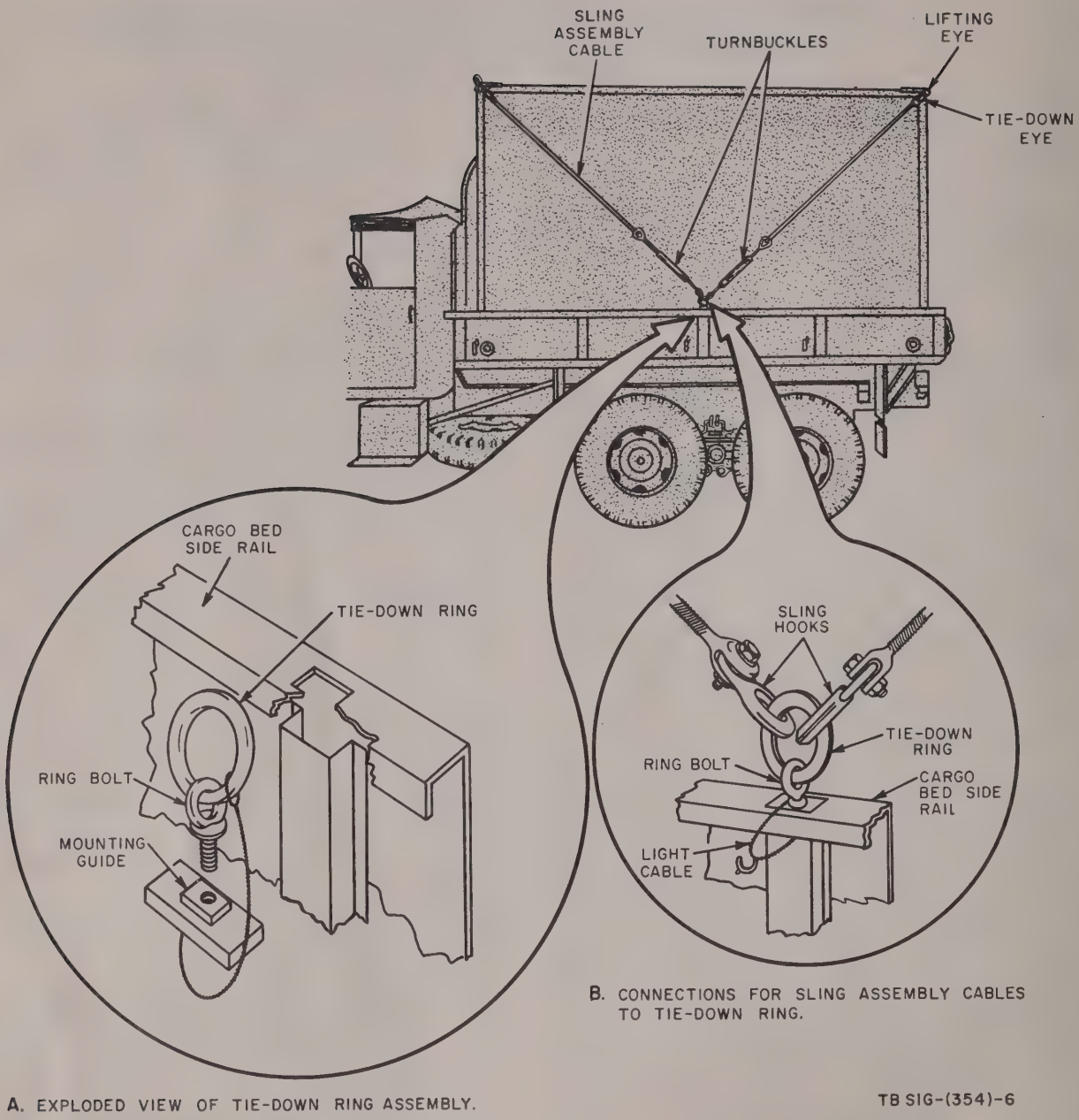



*Figure 30. Tiedown ring assembly and sling assembly connection diagram, exploded view.*

(5) Tighten all turnbuckles evenly by hand: then turn each turnbuckle an additional one-half turn with a bar or rod inserted in the turnbuckle slot.

*Caution:* Do not overtighten the turnbuckles.

(6) Raise and secure the truck tailgate.

Paragraph 27*i*, last line. Delete "PU–286/G" and substitute: generator set.

*Page 45*, paragraph 28*b*(2). Delete subparagraph (2) and substitute:

(2) Connect the red lead of the power cable stub to the PHASE A, PHASE B, or PHASE C terminal on the load transfer switch of the PU–474/M. Connect the white and black leads of the power cable stub to the NEUTRAL GND terminal (TM 11–6115–203–15).

*Page 59.* Change the title of "Section II" to: OPERATOR'S AND ORGANIZATIONAL PREVENTIVE MAINTENANCE

Delete paragraph 41 and substitute:

## 41. Scope of Maintenance and Procedures

Preventive maintenance is the systematic care, servicing, and inspection of equipment to prevent the occurrence of trouble, to reduce downtime, and to maintain equipment in combat serviceable condition.

*a. General.*

(1) The operator's preventive maintenance consists of first echelon preventive maintenance and replacement of parts (pars. 47 through 55). The operator's preventive maintenance is performed daily: specific procedures are provided in paragraph 43.

(2) Organizational maintenance consists of second echelon preventive maintenance, troubleshooting (par. 46, and 56 through 64), and replacement of authorized repair parts (TM 11–5805–285–25P). Second echelon preventive maintenance is performed on a monthly and quarterly basis: specific procedures are provided in paragraphs 44 and 45.

(3) The preventive maintenance checks and services provided in paragraphs 43, 44 and 45, outline inspections to be made at the indicated intervals. They are designed to help maintain Army equipment in combat serviceable condition. They indicate what items are to be checked and how they should be checked. Also included are procedures for authorized repairs and references to text, illustrations, and other manuals that contain supplementary information.

(4) Defects that cannot be corrected must be reported to higher echelon maintenance personnel. Records and reports of repair and preventive maintenance must be made in accordance with procedures given in TM 38–750.

*b. Cleaning.*

***Warning:* Cleaning compound is flammable and its fumes are toxic. *Do not* use near a flame: provide adequate ventilation.**

(1) Use a dry, clean, lint-free cloth or brush to remove dust and dirt. If necessary, moisten the cloth or brush with Cleaning Compound (Federal stock No. 7930–395–9542) to remove grease, oil, and dirt and dust. After cleaning, wipe dry with a cloth.

***Warning:* Compressed air is dangerous and can cause serious bodily harm. It can also cause mechanical damage to the equipment. *Do not* use compressed air to dry parts where cleaning compound has been used.**

(2) Dry, compressed air, not to exceed 60 pounds per square inch, may be used to remove dirt, and dust from inaccessible places.

*c. Touchup Painting.* Clean rust and corrosion from metal surfaces by lightly sanding them with fine sandpaper. Brush two thin coats of the proper paint on bare metal to protect it from further corrosion. Refer to the applicable cleaning and refinishing practices specified in TM 9–213.

Delete paragraph 43 and substitute:

## 43. Daily Preventive Maintenance Checks and Services Chart

| Sequence No. | Item | Procedure | References |
|---|---|---|---|
| | | EXTERIOR | |
| 1 | Shelter skin | Check to see that there are no skin punctures, tears, or open seams that would permit moisture to enter shelter wall. | None. |
| 2 | Grounding system | *a.* Check to see that grounding system is properly installed | *a.* Par. 27. |
| | | *b.* Tighten loose ground lead connections | *b.* None. |
| 3 | Sling assembly | Check sling assembly for slack and tighten if necessary | Par. 26*b*. |
| 4 | Power and signal entrance boxes. | *a.* Remove dirt, grease, and moisture from around binding posts and receptacles. | *a.* Fig. 17 and 18. |
| | | *b.* Put dust covers and receptacle covers on all unused cable receptacles. | *b.* Par. 32*b*(2). |
| 5 | Power and signal cable assemblies. | *a.* Remove grease, oil, and dirt from cable insulation and connectors. | *a.* Par. 41*b*. |
| | | *b.* Tighten all locking rings so that cable is securely attached to its receptacle. | *b.* Par. 32. |
| | | *c.* Adjust cable grips to relieve strain of cable weight | *c.* Fig. 2. |
| | | *d.* Put connector covers and dust caps on unused cables | *d.* Par. 32. |
| 6 | Trailer (part of PU–474/M). | *a.* Remove dirt, refuse, grease, oil, and gasoline from trailer floor and around generator sets. | *a.* Par. 41*b*. |
| | | *b.* Check to see that required lubrication and preventive maintenance are performed. | *b.* TM 11–6115–230–15. |
| 7 | Generator Sets (part of PU–474/M). | *a.* Remove dirt, grease, oil, and gasoline | *a.* Par. 41*b*. |
| | | *b.* Tighten loose connections on power cables, grounding cables, and, if used, auxiliary fuel lines. | *b.* None. |
| | | *c.* Check to see that required daily preventive maintenance is performed. | *c.* TM 11–6115–230–15. |
| | | INTERIOR | |
| 8 | Signal and power cables, wires, and patching cords. | *a.* Tighten loose connections of all plugs and connectors to their receptacles and jacks. | *a.* None. |
| | | *b.* Check to see that insulation is not cut. Remove all kinks and strain. | *b.* None. |
| 9 | Lighting system | Replace defective lamps and starters (use spares) | Par. 48 and fig. 5. |
| 10 | Walls, ceilings, and floor | Check for holes, open seams, or signs of leaks or water seepage | None. |
| 11 | Wastebaskets | Empty and clean wastebaskets | Par. 41*b*. |
| 12 | Cabinet drawers | Remove refuse and articles not assigned to cabinet drawers | Par. 9. |
| 13 | Batteries and hand lantern. | Replace batteries or lamp if flashlight or hand lantern fails to light. | Par. 47. |
| 14 | J–1077A/U | *a.* Remove dirt, grease, and moisture from around binding posts and receptacles. | *a.* Par. 41*b*. |
| | | *b.* Put dust covers and receptacle covers on all unused cable receptacles. | *b.* Par. 32*b*(2). |
| 15 | Clock | Wind and set to correct time, if necessary | Fig. 10. |
| 16 | Power distribution panel. | Check to see that voltmeter indicates approximately 115 volts ac, and ammeter indication is normal. Replace neon lamps that fail to light. | Fig. 19. |
| 17 | Equipment operation | *a.* Check to see that all equipment performs satisfactorily | *a.* Pars. 35 through 40 and note below. |
| | | *b.* Report operational failure of any equipment or circuit | *b.* TM 38–750. |
| | | *c.* Replace defective items for which authorized spare parts are provided. | *c.* Pars. 47 through 55 and appx III and II (for other equipment manuals). |

*Note.* In addition to the preventive maintenance checks and services for the items listed in the chart above, perform the preventive maintenance required for those components of the AN/MCC–6 which are covered in separate technical manuals (app. I).

*Page 60.* Delete paragraphs 44 and 45 and substitute:

## 44. Monthly Preventive Maintenance Checks and Services Chart

| Sequence No. | Item | Procedure | References |
|---|---|---|---|
| | | EXTERIOR | |
| 1 | Shelter skin and hardware. | Use touchup painting where paint is blistered, pitted, or flaking, and on bare metal spots (such as steps, power and signal entrance box covers, skids, etc.). | TB SIG–354. |
| 2 | Groundings system | Clean ground lug connections | Par. 41*b*. |
| 3 | Sling assembly | Clean and paint bare metal parts | Pars. 41*b* and *c*. |
| 4 | Movable parts and door | *a*. Clean and paint bare metal parts | *a*. Pars. 41*b* and *c*. |
| | | *b*. Tighten loose screws and bolts | *b*. None. |
| | | *c*. Lubricate | *c*. TB SIG–354. |
| | | *d*. Clean air vent filter | *d*. Fig. 11. |
| | | *e*. Apply gasket cement on loose gaskets | *e*. None. |
| 5 | Power and signal entrance boxes. | *a*. Remove corrosion from binding posts | *a*. Fig. 17 and 18. |
| | | *b*. Repair insulation cuts and abrasions with electrical insulation tape. | *b*. None. |
| | | *c*. Inspect layout of cables and relocate if necessary to prevent damage by or hazard to vehicles and pedestrians. | *c*. None. |
| 6 | Trailer (part of PU–474/M). | *a*. Tighten mounting bolts holding generator sets, bracket assemblies for gasoline cans and ground rods. | *a*. None. |
| | | *b*. Check to see that required lubrication is performed | *b*. TM 9–8226. |
| 7 | Generator sets (part of PU–474/M). | Check to see that required lubrication and preventive maintenance are performed. | TM 11–6115–230–15. |
| | | INTERIOR | |
| 8 | Signal and power cables, cords, wires, and patching cords. | *a*. Tighten screws and clamps securing wires to terminals | *a*. None. |
| | | *b*. Repair insulation cuts and abrasions with electrical insulation tape. | *b*. None. |
| | | *c*. Cover unconnected bare wire with electrical insulation tape | *c*. None. |
| | | *d*. Polish metal plugs on patching cords, telephone cords, etc | *d*. None. |
| 9 | Signal, power, and lighting system ducts. | Tighten loose screws, bolts, and clips. Repair or replace defective switches, switchplates, outlets, receptacles, and jacks. | Par. 62. |
| 10 | Lighting system | *a*. Tighten screws and nuts securing lighting fixtures, lights, and parts on power distribution panels. | *a*. None. |
| | | *b*. Replace defective or missing parts in lighting system and power distribution panels. | *b*. Par. 63. |
| 11 | Walls, ceiling, and floor | *a*. Clean and paint bare metal spots | *a*. Pars. 41*b* and *c*. |
| | | *b*. Check for skin punctures and cracked seams | *b*. TB SIG–354. |
| 12 | Cabinets | Repair or replace broken doors and latches | None. |
| 13 | Equipment mountings | *a*. Tighten all loose bolts, nuts, screws, and clamps securing equipment, racks, frames, shelves, braces, clamps, and mounting hardware. Replace missing bolts, nuts, etc. | *a*. None. |
| | | *b*. Check to see that equipment mounting racks, frames, shelves, braces, and clamps are not bent, broken, or out of shape to endanger equipment or personnel. | *b*. None. |
| 14 | Meter, control, and patch panels. | Repair or replace defective parts | Par. 60. |
| 15 | Batteries and hand lantern. | Remove dirt and corrosion from battery compartment and replace batteries that show signs of swelling, leaking, or corrosion. | Par. 47 and fig. 33. |
| 16 | Exhaust blowers | *a*. Lubricate motor with oil (PL Special or OE–10) | *a*. None. |
| | | *b*. Clean motor and fan housing | *b*. Par. 41*b*. |
| | | *c*. Repair or replace defective part | *c*. Par. 59. |
| 17 | Blackout curtain | *a*. Tighten screws securing track fixture to ceiling | *a*. None. |
| | | *b*. Repair or replace if torn ripped or frayed | *b*. None. |

See footnotes at end of table.

## 44. Monthly Preventive Maintenance Checks and Services Chart—Continued

| Sequence No. | Item | Procedure | References |
|---|---|---|---|
| 18 | Electric heater | *a.* Clean inside and outside of case | *a.* Par. 41*b*. |
| | | *b.* Repair or replace defective parts | *b.* Par. 49. |
| 19 | J–1077A/U | *a.* Remove corrosion from binding posts | *a.* None. |
| | | *b.* Repair insulation cuts and abrasions of connecting wires with electrical insulation tape. | |
| 20 | Clock | Replace if correct time cannot be maintained | None. |
| 21 | Equipment performance | *a.* Check out the operation of all equipment | *a.* Par. 46 and note below. |
| | | *b.* Replace and/or repair any defective or inoperative part | *b.* None. |

*Note.* In addition to the preventive maintenance checks and services for the items listed in the chart above, perform the preventive maintenance required for the components of the AN/MCC–6 which are covered in separate technical manuals (app. I).

## 45. Quarterly Preventive Maintenance Checks and Services Chart

| Sequence No. | Item | Procedure | References |
|---|---|---|---|
| | | GENERAL | |
| 1 | End item equipment | *a.* Check equipment for completeness and requisition missing components, running spares, and defective parts. | *a.* App. III. |
| | | *b.* Check to see that all components except those in use are mounted and stowed in assigned places. | *b.* Fig. 6 through 16. |
| | | *c.* Requisition all technical manuals not on hand or in usable condition, including current Changes. | *c.* DA Pam 310–4 and par. 1.1. |
| 2 | Modification work orders (MWO's). | Check to see that all applicable MWO's have been applied and MWO number is stamped as required. Modify or request modification as applicable. | DA Pam 310–4. |
| | | EXTERIOR | |
| 3 | Shelter skin and hardware. | Check for skin punctures, tears, or open seams that would permit moisture to enter shelter wall. Repair or replace defective hardware. | TB SIG–354. |
| 4 | Grounding system | Replace ground rod if ground lead lug cannot be securely tightened. Replace ground lead if it is cut, corroded, or broken. | Par. 27. |
| 5 | Shelter door | Check to see that rubber gaskets are not missing or loose and that they provide watertight seal. See that hinges and door handles are not broken. | None. |
| 6 | Power and signal extrance boxes. | *a.* Use a brush and carefully remove sand, moisture, and dirt from contacts of 26-pair cable receptacles. | *a.* None. |
| | | *b.* Tighten locknuts, screws, and bolts securing receptacles and binding posts, and replace defective parts. | *b.* None. |
| 7 | Power and signal cable assemblies. | Replace assemblies with defective wiring, insulation, or connectors. | None. |
| 8 | Trailer (part of PU–474/M). | Check to see that required quarterly preventive maintenance is performed. | TM 9–8226. |
| 9 | Generator sets (part of PU–474/M). | Check to see that required quarterly preventive maintenance is performed. | TM 11–6115–230–15. |
| | | INTERIOR | |
| 10 | Signal and power cables, cords, wires and patching cords. | *a.* Dress all cabling, wires, and cords neatly: use cable and cord clamps provided in shelter or electrical insulation tape and twine. | *a.* None. |
| | | *b.* Repair or replace defective cables, cords, wires, and patching cords. | *b.* None. |

See footnotes at end of table.

## 45. Quarterly Preventive Maintenance Checks and Services Chart—Continued

| Sequence No. | Item | Procedure | References |
|---|---|---|---|
| 11 | Walls, ceiling, and floor | Paint blistered, pitted, or flaking areas and bare metal spots | Par. 41*c*. |
| 12 | Fire extinguisher | *a*. Refill if weight of contents is less than required or if seal is broken. | *a*. Fig. 10. |
| | | *b*. Replace if valve assembly is damaged | *b*. None. |
| 13 | First aid kit | Replace if case is broken or damaged. Replace parts that have been used (see parts list inside cover). | Fig. 11. |
| 14 | J–1077A/U | *a*. Use a brush and carefully remove sand, moisture, and dirt from contacts of cable receptacles. | *a*. None. |
| | | *b*. Tighten locknuts, screws, and bolts securing receptacles and binding posts, and replace defective parts. | *b*. None. |
| 15 | Chair and chair cushion | *a*. Repair or replace chair if parts are bent or broken, or if it is unsafe for use. | *a*. Fig. 10. |
| | | *b*. Repair or replace cushion that is torn, cut, or has split seams or exposed padding. | *b*. None. |
| 16 | Ax and sledgehammer | Replace if handle is broken, split, or does not fit head tightly | Fig. 11. |
| 17 | Ladder | *a*. Paint blistered, pitted or flaking areas, and bare metal spots | *a*. Par. 41*c* and fig. 12. |
| | | *b*. Repair or replace if steps, frame, or parts are bent, or broken, or if it is unsafe for use. | *b*. None. |

*Note.* In addition to the preventive maintenance checks and services for the items listed in the chart above, perform the preventive maintenance required for those components of the AN/MCC–6 which are covered in separate technical manuals (app. I).

*Page 73*, paragraph 64*b*, line 4. Delete "Patch Kit, Shelter, Electrical Equipment" and substitute: Repair Kit, Electrical Equipment Shelter MK–680/G.

*Page 79*, paragraph 68*j*. Make the following changes:

Subparagraph (1). Delete "PU–286/G (TM 11–940A)" and substitute: generator set.

Subparagraph (3), line 2. Delete "PU–286/G" and substitute: generator set.

Subparagraph *m*, lines 3 and 4. Delete "GND terminal on the PU–286/G" and substitute: NEUTRAL GND terminal on the generator set.

*Page 88*, appendix I (pages 1 and 2 of C 2, as changed by C 3, 29 January 1963). Delete and substitute:

# APPENDIX I
# REFERENCES

Following is a list of applicable references available to the operator and repairman of Terminal, Telegraph-Telephone AN/MCC–6.

| | |
|---|---|
| AR 70–10 | Research and Development (General): Army Materiel Testing. |
| AR 320–5 | Military Terms, Abbreviations, and Symbols: Dictionary of United States Army Terms. |
| AR 320–50 | Military Terms, Abbreviations, and Symbols: Authorized Abbreviations and Brevity Codes. |
| AR 700–58 | Logistics (General): Report of Damaged or Improper Shipment. |
| AR 750–5 | Maintenance of Supplies and Equipment: Organization, Policies, and Responsibilities for Maintenance Operations. |
| DA Pam 108–1 | Index of Army Motion Pictures, Films Strips, Slides and Phono-Recordings. |
| DA Pam 310–4 | Military Publications: Index of Technical Manuals, Technical Bulletins, Supply Bulletins, Lubrication Orders, and Modification Work Orders. |
| FM 21–5 | Individual Soldier: Military Training. |
| FM 21–6 | Individual Soldier: Techniques of Military Instruction. |

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|---|---|
| FM 21–30 | Military Symbols. |
| MWO SIG 197 | Modification of Teletypewriters TT–4/TG, TT–4A/TG, TT–98/FG, TT–99/FG, TT–100/FG, TT–172/GG, and TT–173/TG, Teletypewriter Sets AN/FGC–20, AN/FGC–20X, AN/FGC–21 and AN/PGC–1; and all other applicable Kleinschmidt Model Teletypewriter Page Printers to provide an Automatic Teletypewriter Ribbon Re-inking Device. |
| SB 11–100–99 | Serviceability Standards for Teletypewriter TT–4/TG and TT–4A/TG. |
| SB 11–100–119 | Serviceability Standards for Converter, Telegraph-Telephone Signal TA–182/U |
| SB 11–100–153 | Serviceability Standards for Cable Assembly CX–1065/G. |
| SB 11–100–156 | Serviceability Standards for Telephone Set TA–312/PT. |
| SB 11–100–157 | Serviceability Standards for Repeater, Telephone AN/TCC–11. |
| SB 11–203 | Supply of Telephone Sets TA–312/PT, TA–43/PT and EE–8. |
| SIG 7 & 8 TA–125/GT | Terminal Box TA–125/GT. |
| SIG 7 & 8 TS–917/GG | Test Set, Teletypewriter TS–917/GG. |
| TB SIG 271 | Lubrication of Tactical Teletypewriter Equipment, Teletypewriters TT–4( )/TG, TG–37–( ), and Reperforator Transmitters TT–76( )/GGC (component of Teletypewriter Set AN/GGC–3), TG–26–( ), and TG–27–( ). |
| TB SIG 354 | Maintenance and Repair Procedures for Lightweight Field and Mobile Shelters of Aluminum Stressed Skin Foam-Core Construction (Covering S–141/G and S–144/G type Shelters). |
| TM 9–213 | Painting Instructions for Field Use. |
| TM 9–8226 | Operation, Organizational Maintenance, and Ordnance Field and Depot Maintenance: 1½-Ton, 2-Wheel Cargo Trailer M104, M104A1, and M105A1; 1½-Ton 2-Wheel Chassis Trailer M103A1; and 1½-ton, 2-wheel Water Tank Trailer M106, M106A1, and M107A1. |
| TM 11–381 | Cable Assembly CX–1065/G, Telephone Cable Assemblies CX–1606/G and CX–1512/U, Telephone Loading Coil Assembly CU–260/G and Electrical Connector Plug U–176/G. |
| TM 11–2138 | Terminal Box TA–125/GT; Telephone Repeating Coil Assembly TA–145/GT; Maintenance Kit MX–842/GT; and Switchboard Signal TA–123/GT. |
| TM 11–2139–10 | Operator's Manual: Terminals, Telephone AN/TCC–7 and AN/TCC–50. |
| TM 11–2139–20 | Organizational Maintenance Manual: Terminals, Telephone AN/TCC–7 and AN/TCC–50. |
| TM 11–2139–35 | Field and Depot Maintenance Manual: Terminals, Telephone AN/TCC–7 and AN/TCC–50. |
| TM 11–2140–10 | Operator's Manual: Telephone Repeater AN/TCC–8 and Telephone Repeater AN/TCC–21. |
| TM 11–2140–20 | Telephone Repeater AN/TCC–8 and Telephone Repeater AN/TCC–21 Organizational Maintenance, Second Echelon. |
| TM 11–2140–35 | Field and Depot Maintenance: Telephone Repeater AN/TCC–8 and Telephone Repeater AN/TCC–21. |
| TM 11–2142 | Telephone Terminal AN/TCC–3 and Telephone Terminal AN/TCC–23. |
| TM 11–2143 | Telephone Test Set TS–712/TCC–11. |
| TM 11–2150 | Telephone Carrier Systems using Terminals, Telephone AN/TCC–7 and AN/TCC–50, Repeater, Telephone AN/TCC–8 (AN/TCC–21), Repeater, Telephone AN/TCC–11, and Telephone Test Set TS–712/TCC–11. |
| TM 11–2155 | Telephone Set TA–312/PT. |
| TM 11–5805–201–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Telephone Set TA–312/PT. |
| TM 11–5805–201–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Telephone Set TA–312/PT. |
| TM 11–5805–224–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Modem, Telephone TA–219/U. |

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| TM 11–5805–224–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Modem, Telephone TA–219/U. |
| TM 11–5805–240–12 | Operator's and Organizational Maintenance Manual: Repeater, Telephone AN/TCC–11. |
| TM 11–5805–240–20P | Organizational Maintenance Repair Parts and Special Tools List: Repeater, Telephone AN/TCC–11. |
| TM 11–5805–240–35 | Field and Depot Maintenance Manual: Repeater, Telephone AN/TCC–11. |
| TM 11–5805–240–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Repeater, Telephone AN/TCC–11. |
| TM 11–5805–245–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Power Supply PP–827/U. |
| TM 11–5805–245–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Power Supply PP–827/U. |
| TM 11–5805–246–10 | Operator's Manual: Terminal, Telegraph TH–5/TG. |
| TM 11–5805–246–20 | Organizational Maintenance Manual: Terminal, Telegraph TH–5/TG. |
| TM 11–5805–246–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Terminal Telegraph TH–5/TG. |
| TM 11–5805–246–35 | Field and Depot Maintenance Manual: Terminal, Telegraph TH–5/TG. |
| TM 11–5805–246–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Terminal Telegraph TH –5/TG. |
| TM 11–5805–247–10 | Operator's Manual: Converter, Telegraph-Telephone Signal TA–182/U. |
| TM 11–5805–247–20 | Organizational Maintenance Manual: Converter, Telegraph-Telephone TA–182/U. |
| TM 11–5805–247–20P | Organizational Maintenance Repair Parts and Special Tools Lists: Converter, Telegraph-Telephone Signal TA–182/U. |
| TM 11–5805–247–35 | Field and Depot Maintenance Manual: Converter, Telegraph-Telephone Signal TA–182/U. |
| TM 11–5805–247–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Converter, Telegraph-Telephone Signal TA–182/U. |
| TM 11–5805–248–20P | Organizational Maintenance Repair Parts and Special Tools List: Power Supplies PP–826/U and PP–826A/U. |
| TM 11–5805–248–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Power Supplies PP–826/U and PP–826A/U. |
| TM 11–5805–250–10 | Operator's Manual: Terminals, Telegraph AN/TCC–4 and AN/TCC–20. |
| TM 11–5805–250–20 | Organizational Maintenance Manual: Terminals, Telegraph AN/TCC–4 and AN/TCC–20. |
| TM 11–5802–250–20P | Organizational Maintenance Repair Parts and Special Tools List: Terminals, Telegraph AN/TCC–4 and AN/TCC–20. |
| TM 11–5802–250–35 | Field and Depot Maintenance: Terminals, Telegraph AN/TCC–4 and AN/TCC–20. |
| TM 11–5805–250–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Terminals, Telegraph AN/TCC–4 and AN/TCC–20. |
| TM 11–5805–254–15 | Operator's, Organizational, Field and Depot Maintenance Manual: Terminal Telegraph-Telephone AN/TCC–14. |
| TM 11–5805–254–15P | Operator's, Organizational, Field and Depot Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Terminal, Telegraph-Telephone AN/TCC–14. |
| TM 11–5805–257–12P | Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Generators, Ringing, Hand G–42/PT and G–42A/PT. |
| TM 11–5805–257–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Generators, Ringing, Hand G–42/PT and G–42A/PT. |

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|---|---|
| TM 11–5805–282–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Repeaters, Telephone AN/TCC–8 and AN–TCC/21. |
| TM 11–5805–282–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Repeaters, Telephone AN/TCC–8 and AN/TCC–21. |
| TM 11–5805–285–25P | Organizational, Field and Depot Maintenance Repair Parts and Special Tool Lists: Terminal Telegraph-Telephone AN/MCC–6. |
| TM 11–5805–317–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Telephone Terminals AN/TCC–7 and AN/TCC–50. |
| TM 11–5805–317–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Terminals, Telephone AN/TCC–7 and AN/TCC–50. |
| TM 11–5815–206–12 | Operator and Organizational Maintenance Manual: Teletypewriter Set AN/PGC–1 and Teletypewriters TT–4A/TG, TT–4B/TG, TT–4C/TG, and TT–335/TG. |
| TM 11–5815–206–20P | Organizational Maintenance Repair Parts and Special Tool Lists: Teletypewriter Set AN/PGC–1 and Teletypewriters TT–4A/TG, TT–4B/TG, and TT–4C/TG. |
| TM 11–5815–206–35 | Field and Depot Maintenance: Teletypewriter Set AN/PGC–1 and Teletypewriters TT–4A/TG and TT–4B/TG. |
| TM 11–5815–206–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Teletypewriter Set AN/PGC–1 (including Teletypewriters TT–4A/TG and TT–4B/TG). |
| TM 11–5830–221–12 | Operator's and Organizational Maintenance Manual: Intercommunication Stations LS–147A/FI, LS–147B/FI, LS–147C/FI, and LS–147D/FI. |
| TM 11–5830–221–20P | Organizational Maintenance Repair Parts and Special Tools List: Intercommunication Station LS–147A/FI, LS–147B/FI, LS–147C/FI, and LS–147D/FI. |
| TM 11–5830–221–35 | Field and Depot Maintenance Manual: Intercommunication Stations LS–147A/FI, LS–147B/FI, LS–147C/FI, and LS–147D/FI. |
| TM 11–5830–221–35P | Field and Depot Maintenance Repair Parts and Special Tool Lists: Intercommunication Stations LS–147A/FI, LS–147B/FI, LS–147C/FI, and LS–147D/FI. |
| TM 11–5935–205–15P | Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tool Lists: Connectors, Receptacle, Electrical U–187/G and U–187A/G. |
| TM 11–5965–216–15P | Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tool Lists and Maintenance Allocation Chart: Handset TS–9–F. |
| TM 11–5965–224–15P | Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tool Lists and Maintenance Allocation Chart: Handsets H–60/PT and H–165/U. |
| TM 11–5965–271–50 | Depot Maintenance Manual: Handsets TS–9–(*), TS–10–(*), TS–11–(*), TS–12–F, TS–13–(*), TS–14–(*), TS–15–(*), H–22–B/U, H–23–(*)/U and H–60/PT. |
| TM 11–6110–201–15P | Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Distribution Box J–1077/U and J–1077A/U. |
| TM 11–6115–230–15 | Operator, Organizational, Field and Depot Maintenance Manual, Generator Set, Gasoline Engine, Trailer Mounted PU–474/M. |
| TM 11–6115–230–15P | Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tool Lists: Generator Set, Gasoline Engine, Trailer Mounted PU–474/M. |
| TM 11–6625–207–10 | Teletypewriter Test Set TS–1060/GG; Operator's Manual. |
| TM 11–6625–207–20 | Teletypewriter Test Sets TS–1060/GG and TS–1060A/GG; Organizational Maintenance Second Echelon. |
| TM 11–6625–207–20P | Organizational Maintenance Repair Parts and Special Tools List for Teletypewriter Test Sets TS–1060/GG and TS–1060A/GG. |
| TM 11–6625–207–35 | Field and Depot Maintenance Repair Parts and Special Tools List: Teletypewriter Test Sets TS–1060/GG and TS–1060A/GG. |

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|---|---|
| TM 11–6625–321–12P | Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Multimeter TS–297/U. |
| TM 11–6625–321–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Multimeter TS–297/U. |
| TM 11–6625–390–20P | Organizational Maintenance Repair Parts and Special Tools List: Telephone Test Set TS–712/TCC–11. |
| TM 11–6625–390–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Telephone Test Set TS–712/TCC–11. |
| TM 38–750 | Logistics Management: The Army Equipment Record System and Procedures. |

*Page 99*, appendix III, section II (page 7 of C 2), column 2. (As changed by C 3, 29 January 1963.) Make the following changes: "6110–649–8146." Delete item in its entirety.

Delete "6115–635–5614" and substitute: 6115–823–2425.

*Page 100.* (Page 8 of C 2, as added by C 3, 29 Jan 63) add the following in the columns indicated below.

| 2 | 3 | | | 4 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | | | | |
| 6110–649–8146 | † | † | † | DISTRIBUTION BOX J–1077A/U | NX | 1 | 8 |

*Page 101* (page 9 of C 2), column 2, "5410–783–6250." Delete item in its entirety.

By Order of the Secretary of the Army:

EARLE G. WHEELER,
*General, United States Army,*
*Chief of Staff.*

Official:

J. C. LAMBERT,
*Major General, United States Army,*
*The Adjutant General.*

Distribution:

*Active Army:*

DASA (6)
USASA (2)
CNGB (1)
CofEngrs (1)
TSG (1)
CSigO (7)
CofT (1)
CSptS (1)
USA CD Agcy (1)
USCONARC (5)
USAMC (5)
ARADCOM (2)
ARADCOM Rgn (2)
OS Maj Comd (3)
OS Base Comd (2)
LOGCOMD (2)
USAECOM (5)
USAMICOM (4)
USASCC (4)
MDW (1)
Armies (2)
Corps (2)
USA Corps (3)
USATC AD (2)
USATC Engr (2)
USATC Inf (2)
USATC Armor (2)
USASTC (5)
Instl (2) except
Ft Monmouth (65)
Svc Colleges (2)
Br Svc Sch (2)
GENDEP (OS) (2)
Sig Dep (OS) (12)
Sig Sec, GENDEP (5)
Army Dep (2) except
Ft Worth (8)
Lexington (12)
Sacramento (28)
Tobyhanna (12)
USA Elct RD Actv, White Sands (13)
USA Elct RD Actv, Ft Huachuca (2)
USA Trans Tml Comd (1)
Army Tml (1)
POE (1)
USAOSA (1)
AMS (1)
WRAMC (1)
AFIP (1)
Army Pic Cen (2)
USA Mbl Spt Cen (1)
USA Elct Mat Agcy (12)
Chicago Proc Dist (1)
USARCARIB Sig Agcy (1)
Sig Fld Maint Shop (3)
Units org under fol TOE's:
(2 cy ea UNOINDC)
11–7
11–15
11–16
11–18
11–57
11–85
11–86
11–87
11–95
11–97
11–98
11–99
11–117
11–155
11–157
11–500 (AA–AC) (4)
11–557
11–587
11–592
11–597

*NG:* State AG (3); units—same as active Army except allowance is one copy each unit.
*USAR:* None.
For explanation of abbreviations used, see AR 320–50.

☆ U.S. Government Printing Office: 1963—700502

TM 11–5805–285–15
C 6

# Operator's, Organizational, Field, and Depot Maintenance Manual
# TERMINAL, TELEGRAPH-TELEPHONE AN/MCC–6

CHANGE
No. 6

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *15 October 1964*

TM 11–5805–285–15, 13 February 1961, is changed as follows:

*Note.* The parenthetical reference to a previous change (example: "page 1 of C 5") indicates that pertinent material was published in that change.

Change "S–185/MCC–6" to "S–185(*)/MCC–6" in the following places:

*Page 3*, paragraph 1*a*, line 6.
*Page 5*, paragraph 4, chart, left-hand column, last line.
*Page 7*, paragraph 7, chart, "Component" column, item 1.
Paragraph 8, line 3.
Paragraph 9*a*, heading.
*Page 20*, figure 14, caption.
*Page 21*, figure 15, caption.
*Page 22*, figure 16, caption.
*Page 31*, paragraph 11, line 3. Paragraph 12*b*, line 1.
*Page 59*, paragraph 42*a*, line 6.
*Page 73*, paragraph 64*a*, line 2.

*Page 3*, paragraph 1*b*. Add the following to subparagraph *b*:

Shelter, Electrical Equipment S–185(*)/MCC–6 represents Shelter, Electrical Equipment S–185/MCC–6; Shelter, Electrical Equipment S–185A/MCC–6; Shelter, Electrical Equipment S–185B/MCC–6; Shelter, Electrical Equipment S–185C/MCC–6; and Shelter, Electrical Equipment S–185D/MCC–6.

Paragraph 2*c* (page 1 of C 5) fourth sentence. Delete the fourth sentence and substitute: An original and one copy will be forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL–MR–MOC, Fort Monmouth, N.J., 07703.

Paragraph 3 (page 1 of C 4), line 14. Delete the fifth sentence and substitute: Alternating-current (ac) power may be provided by an individual power source (such as Trailer Mounted Gasoline Engine Generator Set PU–474/M), commercial power facilities, or a central power source (such as Trailer Mounted Diesel Engine Generator Set PU–407/M or Truck Mounted Diesel Engine Generator Set PU–408/M).

*Page 5*, paragraph 4 (page 1 of C 4). Under "Equipment", delete "Telegraph Distortion Analyzer TDA–2" and substitute: Test Set, Teletypewriter TS–917/GG or Test Set, Teletypewriter TS–1060/GG.

Under "Weight", delete all reference to "PU–474/M".

Paragraph 5. Delete paragraph 5 and Substitute:

## 5. Major Components of Terminal, Telegraph-Telephone AN/MCC–6 and Shelter, Electrical Equipment S–185/MCC–6

The basic issue items list (app. III) lists the components of the AN/MCC–6 and the S–185/MCC–6.

*Page 6*, paragraph 6. Delete paragraph 6.

*Page 7*, paragraph 8, line 2 (page 1 of C 4). Delete "except the PU–474/M".

Paragraph 9, line 4 (page 1 of C 4). Delete "(except the PU–474/M)".

*Page 13*, figure 7. Delete the terminal box that is located on the front wall adjacent to the fire extinguisher.

*Page 15*, figure 9. Change the equipment designation "TDA–2" to: TTY TEST SET

*Page 16*, figure 10. Delete the terminal box (and the callout "TA–125/GT") located on the front wall adjacent to the fire extinguisher.

Paragraph 9*i*. Delete subparagraph *i* and Substitute:

*i. Test Sets, Teletypewriter TS–917/GG or*

*TS–1060/GG.* The TS–917/GG is provided with the S–185/MCC–6 and the S–185D/MCC–6; the TS–1060/GG is provided with the S–185A/MCC–6, S–185B/MCC–6, and the S–185C/MCC–6. The teletypewriter test set is stored on the top shelf in RACK 1 (fig. 9). It is used to display and measure bias and distortion of direct current (dc) telegraph signals (para. 38*b*(3)).

*Page 17*, paragraph 9 (page 1 of C 4). Make the following changes:

Subparagraph *j*. Delete subparagraph *j*.

Subparagraph *k*. Delete subparagraph *k*.

*Page 31, paragraph* 11i. Delete subparagraph *i*.

*Page 35*, paragraph 14*h*. Delete subparagraph *h*.

*Page 41*, paragraph 25*b*, line 1. Change "If the PU–294/G" to: If a generator set.

*Page 44*, paragraph 27. Make the following changes:

Subparagraph *d*, line 3 (page 1 of C 4). Change "PU–474/M" to: power source.

Subparagraph *i*, line 6 and 7 (page 3 of C 4). Delete "GND terminal of one generator set" and substitute: ground terminal of the power source.

Paragraph 28, introduction, line 3 (page 1 of C 4). Delete the second sentence and substitute: Ac power for the AN/MCC–6 may be obtained from a power unit (such as the PU–474/M), a central power source (such as the PU–407/M or PU–408/M), commercial power, or an adjacent shelter.

*Page 50*, paragraph 30*a*, line 2. Delete subparagraph *a* and substitute:

*a.* When the generator set is used to supply ac power, start the generator set as described in the applicable technical manual.

*Page 57*, paragraph 38*b*(3). Add the following after subparagraph (*c*):

(*d*) Use Teletypewriter Test Set TS–917/GG or Teletypewriter Test Set TS–1060/GG, as appropriate, to display and measure bias and distortion of the dc signals.

*Page 88*, appendix I. Delete the following references:

(Page 8 of C 4), "SIG 7 & 8 TA–125/GT" and "TM 11–2138."

(Page 10 of C 4), "TM 11–6115–230–15", and "TM 11–6115–230–15P".

*Page 92* (page 4 of C 5), appendix II, section II, part or component column, "GENERATOR SET, GASOLINE ENGINE, TRAILER MOUNTED PU–474/M". Delete item in its entirety.

*Page 98* (page 8 of C 5), appendix III, section II. Make the following changes:

Description column. On line following "TERMINAL MANUAL TM 11–5805–285–15", add: (*Note.* For maintainable equipments listed below, only two each technical manuals are authorized.)

Federal stock number column, "6115–823–2425" and "5940–049–7850". Delete items in their entirety.

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
*General, United States Army,*
*Chief of Staff.*

Official:
J. C. LAMBERT,
*Major General, United States Army,*
*The Adjutant General.*

Distribution:
*Active Army:*

USASA (2)
CNGB (1)
CC–E (7)
CofT (1)
CofEngrs (1)
TSG (1)
CofSptS (1)
USAARMBD (2)
ASAARTYBD (2)
USAMC (5)
USCONARC (5)
ARADCOM (2)
ARADCOM Rgn (2)
OS Maj Comd (3)
OS Base Comd (2)
LOGCOMD (2)
USAECOM (27)
USAMICOM (4)
USASCC (4)
USASMC (2)
USACDC Agencies (1)
USASA 1st Fld Sta (5)
USARSOUTHCOM Sig Agcy (1)
USASTC (3)
USATC AD (2)
USATC Armor (2)
USATC Engr (2)
USATC Inf (2)
WRAMC (1)
Army Pic Cen (2)
USASPTCP (9)
USA Tml Comd (1)
MDW (1)
Armies (2)
Corps (2)
USAC (3)
Svc Colleges (2)
Br Svc Sch (2) except
USASESCS (100)
Army Tml (1) except
Oakland (5)
USAERDAW (13)
Chicago Proc Dist (1)
GENDEP (OS) (2)
Sig Sec GENDEP (OS) (5)
Sig Dep (OS) (12)
A Dep (2) except
Lexington (12)
Sacramento (28)
Tobyhanna (12)
Ft Worth (8)
Letterkenny (5)
Sharpe (3)
Navajo (5)
Savanna (5)
Charleston (3)
11th Air Assault Div (3)
CRREL (2)
Sig Fld Maint Shops (3)
Instl (2) except
Ft Monmouth (63)
Ft Hancock (4)
Ft Gordon (5)
Ft Huachuca (10)
Yuma PG (2)
WSMR (5)
POE (1)
Units organized under following TOE's (2 copies each unless otherwise indicated):

11–15
11–16
11–18
11–57
11–85
11–86
11–87
11–95
11–97
11–98
11–99
11–117
11–155
11–157
11–337
11–500 (AA–AE) (4)
11–557
11–587
11–592
11–597

*NG:* State AG (3); units—same as Active Army except allowance is one copy.
*USAR:* None.
For explanation of abbreviations used, see AR 320–50.



U.S. GOVERNMENT PRINTING OFFICE: 1964

TM 11–5805–285–15
*C 7

CHANGE
No. 7

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *7 December 1965*

## Organizational, DS, GS, and Depot Maintenance Manual Including Repair Parts and Special Tool Lists

## TERMINAL, TELEGRAPH-TELEPHONE AN/MCC–6

Posted 21-Feb-1966

TM 11–5805–285–15, 13 February 1961, is changed as follows:

The title of the manual is changed as shown above.

Change "S–185/MCC–6" (as changed by C 6, 15 October 1964) to "S–185(*)/MCC–6" in the following places:

*Page 3*, paragraph 1*a*, line 6.

*Page 5*, paragraph 4, chart, left-hand column, last line.

*Page 7*, paragraph 7, chart, "Component" column, item 1, paragraph 8, line 3, paragraph 9*a*, heading.

*Page 20*, figure 14, caption.

*Page 21*, figure 15, caption.

*Page 22*, figure 16, caption.

*Page 31*, paragraph 11, line 3, paragraph 12*b*, line 1.

*Page 59*, paragraph 42*a*, line 6.

*Page 73*, paragraph 64*a*, line 1.

*Page 3*, paragraph 1*b*. Add the following to subparagraph *b:* (As added by C 6, 15 October 1964) Shelter, Electrical Equipment S–185(*)/MCC–6 represents Shelter, Electrical Equipment S–185/MCC–6; Shelter, Electrical Equipment S–185A/MCC–6; Shelter, Electrical Equipment S–185B/MCC–6; Shelter, Electrical Equipment S–185C/MCC–6; and Shelter, Electrical Equipment S–185D/MCC–6.

Paragraph 2. Delete subparagraph *c* as changed by C 6, 15 October 1964 and substitute:

*c. Reporting of Equipment Manual Improvements.* The direct reporting by the individual user of errors, omissions, and recommendations for improving this manual is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form will be completed using pencil, pen, or typewriter and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL–MR–(NMP)–MA, Fort Monmouth, N.J., 07703.

Paragraph 3 (as deleted by C 6, 15 October 1964), line 14. Delete the fifth sentence and substitute: Alternating current (ac) power may be provided by an individual power source (such as Trailer Mounted Gasoline Engine Generator Set PU–474/M), commercial power facilities, or a central power source (such as Trailer Mounted Diesel Engine Generator Set PU–407/M or Truck Mounted Diesel Engine Generator Set PU–408/M).

*Page 5*, paragraph 4 (as changed by C 6, 15 Oct 64). Under "Equipment", delete "Telegraph Distortion Analyzer TDA–2" and substitute: Test Set, Teletypewriter TS–917/GG or Test Set, Teletypewriter TS–1060/GG.

Under "Weight", delete all reference to "PU–474/M" (as changed by C 6, 15 Oct 64).

Delete paragraph 5 and substitute:

### 5. Major Components of Terminal, Telegraph-Telephone AN/MCC–6 and Shelter

Electrical Equipment S–185/MCC–6. The basic issue items list (app. III) lists the components of the AN/MCC–6 and the S–185/MCC–6.

*Page 6*, paragraph 6 (as deleted by C 6, 15 Oct 64). Delete paragraph 6.

*Page 7*, paragraph 8, line 2 (as deleted by C 6, 15 Oct 64), Delete "except the PU–474/M".

Paragraph 9, line 4 ((as deleted by C 6, 15 Oct 64). Delete "(except the PU–474/M)".

*Page 13*, figure 7 (as deleted by C 6, 15 Oct 64).

*This change supersedes C 5, 1 June 1964 and C 6, 15 October 1964, and TM 11–5805–285–25P, 17 November 1964.

Posted 27/Feb/64

Delete the terminal box that is located on the front wall adjacent to the fire extinguisher (as changed by C 6, 15 Oct 64).

*Page 15*, figure 9. Change the equipment designation "TDA–2" to TTY TEST SET.

*Page 16*, figure 10 (as deleted by C 6, 15 Oct 64). Delete the terminal box (and the callout "TA–125/GT") located on the front wall adjacent to the fire extinguisher.

Paragraph 9i (as changed by C 6, 15 Oct 64). Delete subparagraph *i* and substitute:

*i. Test Sets, Teletypewriter TS–917/GG or TS–1060/GG.* The TS–917/GG is provided with the S–185/MCC–6 and the S–185D/MCC–6; the TS–1060/GG is provided with the S–185A/MCC–6, S–185B/MCC–6, and the S–185C/MCC–6. The teletypewriter test set is stored on the top shelf in RACK 1 (fig. 9). It is used to display and measure bias and distortion of direct current (dc) telegraph signals (para. 38b(3)).

*Page 17*, paragraph 9 (as changed by C 6, 15 Oct 64).

Subparagraph *j*. Delete subparagraph *j*.

Subparagraph *k*. Delete subparagraph *k*.

*Page 31*, paragraph 11*i*, (as deleted by C 6, 15 Oct 64). Delete subparagraph *i*.

*Page 35*, paragraph 14*h* (as deleted by C 6, 15 Oct 64). Delete subparagraph *h*.

*Page 41*, paragraph 25*b*, line 1 (as changed by C 6, 15 Oct 64). Change "If the PU–294/G" to If a generator set.

*Page 44*, paragraph 27 (as changed by C 6, 15 Oct 64).

Subparagraph *d*, line 3, Change "PU–474/M" to power source.

Subparagraph *i*, line 6 and 7. Delete "GND terminal of one generator set" and substitute: ground terminal of the power source.

Paragraph 28, introduction, line 3. Delete the second sentence and substitute: Ac power for the AN/MCC–6 may be obtained from a power unit (such as the PU–474/M), a central power source (such as the PU–407/M or PU–408/M, commercial power, or an adjacent shelter.

*Page 50*, paragraph 30a, line 2 (as changed by C 6, 15 Oct 64). Delete subparagraph *a* and substitute:

*a.* When the generator set is used to supply ac power, start the generator set as described in the applicable technical manual.

*Page 57*, paragraph 38*b*(3) (as added by C 6, 15 Oct 64). Add after subparagraph (*c*) subparagraph (*d*).

(*d*) Use Teletypewriter Test Set TS–917 GG or Teletypewriter Test Set TS–1060/GG, as appropriate, to display and measure bias and distortion of the dc signals.

*Page 88*, appendix I (as changed by C 6, 15 Oct 64). Delete (page 8 of C 4) SIG 7&8 TA–125/GT and TM 11–2138. Also delete SB 11–100–157 and TM 11–5805–285–25P.

| | |
|---|---|
| SB 11–573 | Painting and Preservation Supplies Available for Field Use for Electronics Command Equipment. |
| TB SIG 364 | Field Instructions for Painting and Preserving Electronics Command Equipment. |
| TM 11–940A | Gasoline Engine Generator Sets PU–286/G and PU–286A/G. |
| TM 11–2225 | Teletypewriter Sets AN/GGC–3 and AN/GGC–3A and Teletypewriter Reperforator-Transmitters TT–76/GGC, TT–76A/GGC, TT–76B/GGC, and TT–76C/GGC. |
| TM 11–5935–203–15P | Organizational DS, GS, and Depot Maintenance Repairs Parts and Special Tool Lists, Connectors, Receptacle, Electrical U–186A/G and U–186B/G. |
| TM 11–5935–212–15P | Organizational, DS, GS, and Depot Maintenance Repair Parts and Special Tool Lists: Connectors, Plug, Electrical U–185A/G and U–185B/G. |
| TM 11–6115–230–15 | Operator, Organizational, Field and Depot Maintenance Manual: Generator Set, Gasoline Engine, Trailer Mounted PU–474/M. |
| TM 11–6115–230–25P | Organizational, Field and Depot Maintenance Repair Parts and Special Tool Lists: Generator Set, Gasoline Engine, Trailer Mounted PU–474/M. |
| TM 11–6625–207–45P | Field (Fourth Echelon) and Depot Maintenance Repair Parts and Special Tool Lists: Test Sets, Teletypewriter TS–1060/GG, TS–1060A/GG and TS–1060B/GG. |

*Page 92*, appendix II (as changed by C 5, 1 June 1964). Delete appendix II and substitute:

# APPENDIX II

# MAINTENANCE ALLOCATION

## Section I. INTRODUCTION

Posted 27 Feb 68

### 1. General

*a.* This appendix assigns maintenance functions to be performed on components, assemblies, and subassemblies by the lowest appropriate maintenance category.

*b.* Columns in the maintenance allocation chart are as follows:

(1) *Part or component.* This column shows only the nomenclature or standard item name. Additional descriptive data are included only where clarification is necessary to identify the component. Components, assemblies, and subassemblies are listed in top-down order. That is, the assemblies which are part of a component are listed immediately below that component, and subassemblies which are part of an assembly are listed immediately below that assembly. Each generation breakdown (components, assemblies, or subassemblies) is listed in disassembly order or alphabetical order.

(2) *Maintenance function.* This column indicates the various maintenance functions allocated to the categories.

(*a*) *Service.* To clean, to preserve, and to replenish lubricants.

(*b*) *Adjust.* To regulate periodically to prevent malfunction.

(*c*) *Inspect.* To verify serviceability and detect incipient electrical or mechanical failure by scrutiny.

(*d*) *Test.* To verify serviceability and to detect incipient electrical or mechanical failure by use of special equipment such as gages, meters, etc.

(*e*) *Replace.* To substitute serviceable components, assemblies, or subassemblies, for unserviceable components, assemblies, or subassemblies.

(*f*) *Repair.* To restore an item to serviceable condition through correction of a specific failure or unserviceable condition. This function includes but is not limited to welding, grinding, riveting, straightening, and replacement of parts other than the trial and error replacement of running spare type items such as fuses, lamps, or electron tubes.

(*g*) *Align.* To adjust two or more components of an electrical system so that their functions are properly synchronized.

(*h*) *Calibrate.* To determine, check, or rectify the graduation of an instrument, weapon, or weapons system, or components of a weapons system.

(*i*) *Overhaul.* To restore an item to *completely serviceable* condition as prescribed by serviceability standards. This is accomplished through employment of the technique of "Inspect and Rapair Only as Necessary" (IROAN). Maximum utilization of diagnostic and test equipment is combined with minimum disassembly of the item during the overhaul process.

(*j*) *Rebuild.* To restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through the maintenance technique of complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

(3) *Operator, organization, direct support, general support, and depot.* The symbol X indicates the categories responsible for performing that particular maintenance operation, but does not necessarily indicate that repair parts will be stocked at that level. Categories higher than those marked by X are authorized to perform the indicated operation.

| PART OR COMPONENT | MAINTENANCE FUNCTION | ECHELON O/C | O | DS | GS | D | TOOLS REQUIRED | REMARKS |
|---|---|---|---|---|---|---|---|---|
| TERMINAL, TELEGRAPH-TELEPHONE AN/MCC-6 | service | X | | | | | | Shelter facility and exterior of components |
| | inspect | | X | | | | 3 | P/O preventive maintenance |
| | test | X | | | | | | System operation |
| | | | X | | | | 1 | Continuity checks of signal, light, and power |
| | | | | X | | | 6 | Test in accordance with component maintenance allocation |
| | | | | | X | | 6 | Test in accordance with component maintenance allocation |
| | repair | X | | | | | | Repair as determined by component maintenance allocation |
| | | | X | | | | 3,4 | Repair as determined by component maintenance allocation |
| | | | | X | | | 3,4 | Repair as determined by component maintenance allocation |
| | | | | | X | | 3,4,5 | Repair as determined by component maintenance allocation |
| | rebuild | | | | | X | 3,4,5 | Shelter facility only |
| | overhaul | | | | X | | 1 thru 6 | |
| DISTRIBUTION BOX J-1077A/U | replace | | X | | | | | For maintenance allocation see TM11-6110-201-15P |
| SHELTER, ELECTRICAL EQUIPMENT S-185A,B/MCC-6 | service | X | | | | | | |
| | test | | X | | | | 1 | Continuity of signal, light, and power |
| | test | | | | X | | 1,2 | All tests |
| | repair | | X | | | | 3,4 | Except door panel, molding strip, skids, 26 pair cable and connectors and gaskets |
| | | | | X | | | 3,4 | Except door panel, molding strip, and 26 pair cable and connector |
| | | | | | X | | 3,4,5 | All repairs |
| | rebuild | | | | | X | 3,4,5 | |
| CABLE ASSEMBLIES (INCLUDING 26 PAIR CABLE) | service | X | | | | | | |
| | test | | X | | | | 1 | Continuity |
| | replace | | X | | | | | |
| | repair | | X | | | | 3 | Except 26 pair cable and connectors |
| | repair | | | | X | | 3 | All cables and connectors |
| CLOCK | replace | | | | | | | Quartermaster responsibility |
| CONNECTOR, RECEPTACLE, ELECTRICAL U-187/G | replace | | | | X | | | For maintenance allocation see TM11-5935-205-15P |
| EXTINGUISHER, FIRE | replace | | | | | | | Corps of Engineers Responsibility |
| INTERCOMMUNICATION STATION LS-147A,B,C,D/FI | replace | | | X | | | | For maintenance allocation see TM11-5830-221-12 |
| TELEGRAPH-TELEPHONE SIGNAL CONVERTER TA-182/U | replace | | X | | | | | For maintenance allocation see TM11-5805-247-20 |
| TELEGRAPH TERMINAL AN/TCC-4 | replace | | X | | | | | For maintenance allocation see TM11-5805-250-20 |



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| PART OR COMPONENT | MAINTENANCE FUNCTION | ECHELON | | | | | TOOLS REQUIRED | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | | O/C | O | DS | GS | D | | |
| AN/MCC-6 (continued) | | | | | | | | |
| TELEGRAPH TERMINAL TH-5/TG | replace | | X | | | | | For maintenance allocation see TM11-5805-246-20 |
| TELEPHONE SET TA-312/PT | replace | | X | | | | | For maintenance allocation see TM11-2155 |
| TELEPHONE TERMINAL AN/TCC-7 | replace | | X | | | | | For maintenance allocation see TM11-2139-20 |
| TELETYPEWRITER SET AN/PGC-1; TELETYPEWRITER TT-4A,B,C/TG | replace | | X | | | | | For maintenance allocation see TM11-5815-206-12 |

| TOOLS REQUIRED FOR MAINTENANCE FUNCTIONS | MAINTENANCE CATEGORY O/C | O | DS | GS | D | TOOL CODE | REMARKS |
|---|---|---|---|---|---|---|---|
| AN/MCC-6 (continued) | | | | | | | |
| MULTIMETER TS-352/U | | / | / | / | / | 1 | |
| OHMMETER ZM-21A/U | | | | / | / | 2 | |
| TOOL KIT, TELEPHONE TERMINAL TE-123 | | / | / | / | / | 3 | |
| TOOL KIT, GENERAL MECHANIC: (FSN 5180-754-0641) | | / | / | / | / | 4 | |
| TOOL KIT, ELECTRONIC EQUIPMENT SHELTER TK-144/G | | | | / | / | 5 | |
| TOOLS AND TEST EQUIPMENTS ASSOCIATED WITH COMPONENTS OF THE END EQUIPMENT | | | / | / | / | 6 | Allocation based on their separate MACS |
| NOTE: Depot may use any other types of test equipment required to overhaul or rebuild this equipment. | | | | | | | |



Army-Ft Monmouth, NJ-MON 6266-64

(4) *Tools required.* This column indicates codes assigned to each individual tool equipment, test equipment, and maintenance equipment referenced. The grouping of codes in this column of the maintenance allocation chart indicates the tool, test, and maintenance equipment required to perform the maintenance function.

(5) *Remarks.* Entries in this column will be utilized when necessary to clarify any of the data cited in the preceding columns.

*c.* Columns in the allocation of tools for maintenance functions are as follows:

(1) *Tools required for maintenance functions.* This column lists tools, test, and maintenance equipment required to perform the maintenance functions.

(2) *Operator, organization, direct support, general support, and depot.* The dagger (†) symbol indicates the categories normally allocated the facility.

(3) *Tool code.* This column lists the tool code asigned.

### 2. Maintenance by Using Organizations

When this equipment is used by signal services organizations organic to theater headquarters or communication zones to provide theater communications, those maintenance functions allocated up to and including general support are authorized to the organization operating this equipment.

*Page 98*, appendix III (as changed by C 5, 1 Jun 64). Delete appendix III and substitute.

## APPENDIX III

## BASIC ISSUE ITEMS LIST

Paste 27/Feb/66

## Section I. INTRODUCTION

### 1. General

*a.* This appendix lists items supplied for initial operation and for running spares. The list includes tools, parts, and material issued as part of the major end item. The list includes all items authorized for basic operator maintenance of the equipment. End items of equipment are issued on the basis of allowances prescribed in equipment authorization tables and other documents that are a basis for requisitioning.

*b.* Columns are as follows:

(1) *Federal stock number.* This column lists the 11-digit Federal stock number.

(2) *Designation by model.* The dagger (†) indicates model of S–185/MCC–6 in which the part is used.

(3) *Description.* Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description.

(4) *Unit of issue.* The unit of issue is each unless otherwise indicated and is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.

(5) *Expendability.* Nonexpendable items are indicated by NX. Expendable items are not annotated.

(6) *Quantity authorized.* Under "Items Comprising an Operable Equipment", the column lists the quantity of items supplied for the initial operation of the equipment. Under "Running Spare Items" the quantities listed are those issued initially with the equipment as spare parts. The quantities are authorized to be kept on hand by the operator for maintenance of the equipment.

(7) *Illustration.* The "Figure No." column lists the figure and reference numbers used for identification of the items in the illustration.

### 2. Batteries

Dry batteries shown are used with the equipment but are not considered part of the equipment. They will not be preshipped automatically but are to be requisitioned in quantities necessary for the particular organization, in accordance with SB 11–6.

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION FIGURE NO. | ILLUSTRATION ITEM NO. |
|---|---|---|---|---|---|---|---|
| 5805-021-2085 | | TERMINAL TELEGRAPH TELEPHONE AN/MCC-6: 16 channels freq div type f/g transmission 60 or 100 words per min oper speed; 425 to 1615 cps freq range lower band, 1785 to 2975 cps freq range, upper band; 170 cyc between channels; 21 channels 2 way type, 300 cps to 99kc | | NX | | | |
| | | frequency range for transmitting; 300 cps 99 kc freq range for receiving; 800 cyc freq between channels, 300 to 3500 cps of range; 70-1/2 in 134 in o/a; not incl trailer mtd gen set. | | | | | |
| | | ITEMS COMPRISING AN OPERABLE EQUIPMENT | | | | | |
| ORD THRU AGC | | TECHNICAL MANUAL TM 11-5805-285-15 | | | 2 | | |
| ORD THRU AGC | | TECHNICAL BULLETIN TB-SIG 354 (NOTE: For maintainable equipments listed below, only two each technical manuals are authorized.) | | | 2 | | |
| 5805-263-3326 | | CONVERTER, TELEGRAPH TELEPHONE SIGNAL TA-182/U | | NX | 28 | | |
| 5915-356-2134 | | ELECTRICAL FILTER ASSEMBLY F-98/U | | | 8 | | |
| 6115-823-2425 | | GENERATOR SET, GASOLINE ENGINE; TRAILER MOUNTED PU-474/M (NOTE: Used with but not part of AN/MCC-6, line item #6765500) | | NX | 1 | | |
| 5410-752-9661 | | SHELTER, ELECTRICAL EQUIPMENT S-185/MCC-6, S-185A,B,C/MCC-6 (Modified S-141/G shelter) | | NX | 1 | | |
| 5805-543-0012 | | TELEPHONE SET TA-312/PT | | NX | 2 | | |
| 5815-198-4438 | | TELETYPEWRITER SET TT-4A/TG | | NX | 1 | | |
| 5805-537-7387 | | TERMINAL, TELEGRAPH AN/TCC-4 | | NX | 2 | | |
| 5805-246-8734 | | TERMINAL, TELEGRAPH TH-5/TG | | NX | 1 | | |
| 5805-503-1228 | | TERMINAL, TELEPHONE AN/TCC-7: (less case) | | NX | 1 | | |
| 5805-752-5588 | | TERMINAL, TELEPHONE AN/TCC-50: (less case) | | NX | 1 | | |
| | | SHELTER, ELECTRICAL EQUIPMENT S-185/MCC-6, S-185A, B, C, D/MCC-6 | | | | | |
| | | NOTE: Model Column 1 refers to plain model: Column 2 refers to A model: Column 3 refers to B model; Column 4 refers to C model; Column 5 refers to D model | | | | | |
| 4210-727-8111 | + + + + + | AXE, PICK HEAD: 2-3/4 lbs, GGG-A-926, type II, class 1, design B | | | 1 | 11 | |
| 7520-753-4807 | + + + + + | BASKET, WASTEPAPER: Erie Art Metal p/n 36 | | | 1 | 8 | |
| 6135-120-1020 | + + + + + | BATTERY, DRY BA30 | | | 4 | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | |
| 7920-178-8315 | † | † | † | † | † | | BRUSH, DUSTING, BENCH: Fed Spec H-B-201, class B | | | 1 | 11 | |
| 5410-752-2435 | † | † | † | † | † | | CABLE ASSEMBLY AND REEL: Incl 1 ea reel, cable RC-435/U and 1 ea 100 ft pwr cable; Sig dwg SM-D-352732 | | | | | |
| 5995-752-2548 | † | † | † | † | † | | CABLE ASSEMBLY, POWER, ELECTRICAL CX-7705/U: (15 ft power stub) | | | 1 | 2 | |
| 4940-752-2474 | † | † | † | † | † | | CABLE ASSEMBLY, POWER ELECTRICAL: 15 ft lg; 1 Hubbel type 9756 plug one end, 1 Hubbell type 9200 conn other end; Sig dwg SM-D-350987 | | | 1 | 2 | |
| 5995-256-4072 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE CX-1606/G: (100 ft lg) | | NX | 2 | | |
| 5995-889-0608 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 6 ft lg o/a; f/TTY; 1 ea PJ-055R one end, term lugs other end; Sig dwg SM-D-384145 GrII | | | 1 | 3 | |
| 5995-823-3016 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 6 ft lg o/a; f/TTY; 1 PJ-055B one end term lugs other end Sig dwg SM-D-384145 GrI | | | 1 | 3 | |
| 5995-732-2566 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 4 ft lg o/a; black; 1 PJ-047B plug one end, other end stripped and tinned; Sig dwg SM-D-383873 GrIII | | | 2 | 3 | |
| 5995-889-0803 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: CX-4760A/U (15 ft sig stub) | | | 1 | 2 | |
| 5995-823-2715 | † | † | † | † | † | | CABLE ASSEMBLY AND REEL: (Consists of CX-4566/G (250 ft and reel RC-435/U)) | | | 1 | 4 | |
| 7105-269-8463 | † | † | † | † | † | | CHAIR, FOLDING: Fed Spec AA-C-291a, type 1, class 1 | | | 2 | | |
| 6645-800-7094 | † | | | | | | CLOCK, AIRCRAFT, MECHANICAL: 3 in face; Wakman p/n 118-12/24W | | | 1 | 10 | |
| 6645-303-4950 | | † | † | | | | CLOCK, AIRCRAFT, MECHANICAL: | | NX | 1 | 10 | |
| 6645-526-4395 | | | | † | † | | CLOCK, MECHANICAL: AT-11 | | | 1 | 10 | |
| 5995-752-2542 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond black cord; terminated each end with PJ-407B; 2 ft lg o/a; Sig dwg SM-D-352593 GrIII | | | 3 | 3 | |
| 5995-752-2517 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-107B; 2 ft lg o/a; Sig dwg SM-D-352594 GrII | | | 3 | 3 | |
| 5995-752-2516 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; Sig dwg SM-D-352593 Gr III | | | 5 | 3 | |
| 5995-752-2515 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 2 ft lg 6 in lg o/a; Sig dwg SM-D-352594 Gr III | | | 5 | 3 | |
| 5995-752-2498 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL; 2 cond, black cord; terminated each end with PJ-047B; incl 5DB pad; 2 ft 6 in lg o/a; Sig dwg SM-D-352598 Gr III | | | 4 | 3 | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | |
| 5995-752-2499 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; incl 5DB pad; 2 ft 6 in lg; o/a; Sig dwg SM-D-352599 Gr III | | | 4 | 3 | |
| 5995-752-2496 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; incl 5DB pad; 4 ft 6 in lg o/a; Sig dwg SM-D-352598 Gr IV | | | 4 | 3 | |
| 5995-752-2495 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; incl 5DB pad; 4 ft 6 in lg o/a; Sig dwg SM-D-352599 Gr IV | | | 4 | 3 | |
| 5995-752-2514 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond; black cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; Sig dwg SM-D-352593 Gr V | | | 2 | 3 | |
| 5995-752-2513 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond red cord; terminated with PJ-047B; 6 ft 5 in lg o/a; Sig dwg SM-D-352594 Gr V | | | 2 | 3 | |
| 7210-753-3043 | † | † | † | † | † | | CUSHION, CHAIR: Sig dwg SM-C-350214 | | | 2 | | |
| 6110-649-8146 | † | † | † | † | † | | DISTRIBUTION BOX J-1077A/U | | | 1 | | |
| 4210-383-7128 | † | † | † | † | † | | EXTINGUISHER, FIRE: Carbon dioxide; Walter Kiddie model no. 2-1-2-T-2 | | NX | 1 | 10 | |
| 4210-270-4512 | † | † | † | † | † | | EXTINGUISHER, FIRE: Carbon dioxide; Walter Kiddie model no. ST-2 | | NX | 1 | 11 | |
| 5120-408-1481 | † | † | † | † | † | | EXTRACTOR, ELECTRON TUBE: Basket type; for 7 pin miniature; Kellems model no. TP-11-16 | | | 1 | 11 | |
| 5120-293-2692 | † | † | † | † | † | | EXTRACTOR, ELECTRON TUBE: basket type; for 9 pin miniature; Kellems model no. TP-13-16 | | | 1 | 11 | |
| 4140-729-6001 | † | | | † | † | | FAN, VENTILATING, PROPELLER: for exhause; Rotron Mfg. Co. type no. KS8021-HE-329AS | | NX | 2 | 13 | |
| 4130-542-3327 | † | † | | | | | FILTER, AIR CONDITIONING: 19-3/4 in w x 15-3/4 in h x 1-7/8 in thk; Air Maze part P/5 | | | 1 | | |
| 4130-856-4620 | | | † | | | | FILTER, AIR CONDITIONING: Twin Coach p/n DL-049/15-EE | | | 1 | | |
| 4130-752-9120 | | | | † | † | | FILTER, AIR CONDITIONING: Filt-R-ite p/n DK30 | | | 1 | | |
| 6545-897-7688 | † | | | | | | FIRST AID KIT: Sig dwg SM-C-349935; | | | 1 | 11 | |
| 6545-922-1200 | | † | † | † | † | | FIRST AID KIT, GENERAL PURPOSE: | | | 1 | 11 | |
| 5120-776-9917 | † | † | † | † | † | | GRIP, CABLE, JAW: Bronze; approx 16 in lg; Economy model no. EQA-(6-8P) | | | 13 | 2 | |
| 5120-776-9918 | † | † | † | † | † | | GRIP, CABLE, JAW: Bronze; approx 12 in lg; Economy model no. EQA (26S) | | | 12 | 2 | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | |
| 5120-251-4489 | † | † | † | † | † | | HAMMER, HAND: Blacksmith double-face type; 8 lb; GGG-H-86, type SA, class II | | | 1 | 11 | |
| 4520-224-7909 | † | † | † | † | † | | HEATER, SPACE, ELECTRIC: 115 vac; Electromode p/n AAT-15A | | NX | 1 | 21 | |
| 5820-706-3036 | † | † | † | † | † | | HOOK, SPRING RELEASE: f/springs in equip racks; Sig dwg SM-B-364049 | | | 1 | 27 | |
| 5830-752-5357 | † | † | † | † | † | | INTERCOMMUNICATION STATION LS-147C/FI | | NX | 1 | 21 | |
| 5120-224-2510 | † | † | | | | | KEY, SOCKET HEADSCREW: For drain plug; 6-3/4 in lg o/a; Standard Pressed Steel Model Unbrack 5/8 | | | 1 | 11 | |
| 2540-892-6243 | † | † | † | † | † | | LADDER, VEHICLE, BOARDING MX-3391/G | | | 1 | 12 | |
| 6230-729-9614 | † | † | † | † | † | | LANTERN, ELECTRIC: mtd on wall; Justrite p/n 2106-7 | | | 1 | 11 | |
| 5410-752-2525 | † | † | † | † | † | | LEAD, ELECTRICAL: F/gnd; Sig dwg SM-B-352166 | | | 2 | 2 | |
| 6230-615-5384 | † | † | † | † | † | | LIGHT EXTENSION: 25 ft lg; Woodhead p/n 506KS25-18-28J | | | 1 | 2 | |
| 5340-802-7406 | † | † | † | † | † | | PADLOCK: Yale and Towne #774-1/2 B | | | 1 | | |
| 7510-264-4612 | † | † | † | † | † | | PENCIL, GREASE: Yellow | | | 2 | | |
| 7510-174-3205 | † | † | † | † | † | | PENCIL, GREASE: Red | | | 2 | | |
| 5120-293-0255 | † | † | † | † | † | | PIN STRAIGHTENER, ELECTRON TUBE: Tenite body; 2 steel inserts; General Cement Mfg Model 8655 | | | 1 | 11 | |
| 5975-224-5260 | † | † | † | † | † | | ROD, GROUND MX-148/G: | | | 2 | 11 | |
| 5120-752-9675 | † | † | † | † | † | | SCREWDRIVER, FLAT TIP: Plastic handle, rubber insulated; 10-1/4 in lg; 5/16 in w tip; Bridgeport Hwd Mfr Corp p/n 2143-6 | | | 1 | | |
| 7520-162-6178 | † | † | † | † | † | | SHARPENER, PENCIL: Boston type L | | | 1 | 11 | |
| 6210-754-8134 | † | † | † | † | † | | SHIELD, LIGHT: f/fluorescent; Sig dwg SM-C-349983 | | | 8 | | |
| 5410-805-5533 | † | † | † | † | † | | SLING, MULTIPLE LEG: for shelter lifting and tie down; Sig dwg SC-D-36123 | | | 1 | 12 | |
| 5410-792-6336 | † | † | † | † | † | | STRAP ASSEMBLY, TIE DOWN: Nylon webbing and steel; 72-5/8 in lg x 2-7/8 in w; Craig p/n PN-705 | | | 6 | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | |
| 5930-086-6924 | † | † | † | † | † | | SWITCH BOX: Marked 2W-4W; Sig dwg SM-D-353294 | | | 1 | 25 | |
| 5930-892-8911 | † | † | † | † | † | | SWITCH BOX: Marked TT4A/TG-TH-5/TG; Sig dwg SM-D-384651 | | | 1 | 24 | |
| 6625-648-8746 | † | | | | † | | TEST SET, TELETYPEWRITER TS-917/GG | | NX | 1 | | |
| 6625-542-6106 | | † | † | † | | | TEST SET, TELETYPEWRITER TS-1060/GG | | | 1 | | |
| | | | | | | | NOTE: Personnel operating the AN/MCC-6 as made by Ortronix, Inc. model Column 4, will be required to requisition this item. | | | | | |
| | | | | | | | RUNNING SPARE ITEMS | | | | | |
| | | | | | | | TERMINAL TELEGRAPH TELEPHONE AN/MCC-6 | | | | | |
| | | | | | | | (NOTE: Running Spares for the AN/TCC-4, AN/TCC-7, and AN/TCC-50 are mounted in the equipment) | | | | | |
| 5920-356-2103 | | | | | | | ARRESTOR, LIGHTNING: Sig dwg SC-B-63039 | | | 5 | | |
| 5960-503-4880 | | | | | | | ELECTRON TUBE: MIL type OA2WA | | | 1 | | |
| 5960-166-7648 | | | | | | | ELECTRON TUBE: MIL type OB2 | | | 1 | | |
| 5960-188-0862 | | | | | | | ELECTRON TUBE: MIL type 3RP1 | | | 1 | | |
| 5960-262-0286 | | | | | | | ELECTRON TUBE: MIL type 5651WA | | | 1 | | |
| 5960-262-0185 | | | | | | | ELECTRON TUBE: MIL type 5726/6ALSW | | | 1 | | |
| 5960-669-6838 | | | | | | | ELECTRON TUBE: MIL type 5963 | | | 1 | | |
| 5960-262-0152 | | | | | | | ELECTRON TUBE; MIL type 6AU6WA | | | 1 | | |
| 5960-188-0880 | | | | | | | ELECTRON TUBE: MIL type 6X4W | | | 1 | | |
| 5960-669-6861 | | | | | | | ELECTRON TUBE: MIL type 600S/5AQ5W | | | 1 | | |
| 5960-262-0167 | | | | | | | ELECTRON TUBE: MIL type 12AT7WA | | | 1 | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | | AN/MCC-6 (continued) | | | | | |
| 5960-166-7663 | | | | | | | | ELECTRON TUBE: MIL type 12AU7 | | | 6 | | |
| 5960-166-7664 | | | | | | | | ELECTRON TUBE: MIL type 12AX7 | | | 6 | | |
| 5920-356-2188 | | | | | | | | FUSE, CARTRIDGE: 1/8 amp; MIL type FO2GR125A | | | 5 | | |
| 5920-280-4465 | | | | | | | | FUSE, CARTRIDGE: 1 amp, 250 v; MIL type FO2G1R00A | | | 38 | | |
| 5920-636-3047 | | | | | | | | FUSE, CARTRIDGE: 1 amp, 250 v; Littelfuse 313001 | | | 5 | | |
| 5920-280-9328 | | | | | | | | FUSE, CARTRIDGE: 1.5 amp, 125 v; MIL type FO2D1R50B | | | 5 | | |
| 5920-224-5269 | | | | | | | | FUSE, CARTRIDGE: 1.6 amp; Littelfuse p/n 31301.6 | | | 5 | | |
| 5920-474-6125 | | | | | | | | FUSE, CARTRIDGE: 2 amp, 250 v; Littelfuse p/n 312002 | | | 5 | | |
| 6240-223-9100 | | | | | | | | LAMP, GLOW: MIL type NE-51 | | | 1 | | |
| 6240-155-8706 | | | | | | | | LAMP, INCANDESCENT: GE p/n 47 | | | 1 | | |
| 6240-143-3060 | | | | | | | | LAMP, INCANDESCENT: GE type 6S6DC-120 | | | 5 | | |
| 6240-892-6102 | | | | | | | | LAMP, INCANDESCENT: 10 w, 120 v; GE p/n 10C7/5DC | | | 1 | | |
| 7530-223-7966 | | | | | | | | PAPER, RECORDING, TELETYPEWRITER: Fed Spec UU-P-547C, type 1, class 1 | | | 1 | | |
| 7510-511-6690 | | | | | | | | RIBBON, PRINTING TELETYPEWRITER: Kleinschmidt p/n 10901 | | | 1 | | |
| 6130-076-3545 | | | | | | | | SEMI-CONDUCTOR DEVICE, DIODE: Sig dwg SC-C-141342 | | | 6 | | |
| 6130-076-3546 | | | | | | | | SEMI-CONDUCTOR DEVICE, DIODE: Sig dwg SC-C-141343 | | | 6 | | |
| | | | | | | | | SHELTER, ELECTRICAL EQUIPMENT S-185/MMC-6, S-185A/MCC-6, 185B/MCC-6, S-185C/MCC-6, S-185D/MCC-6 | | | | | |
| 5120-793-2027 | † | † | † | † | † | | | HANDLE, HAMMER: Hickory; 30 in lg; Woodings Verona Tool Works p/n AW/30 | | | 1 | 11 | |
| 6240-538-8447 | † | † | † | † | † | | | LAMP, FLUORESCENT: 20 w; 24 in lg; Sylvania p/n F20T12-SW | | | 2 | 5 | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY AUTH | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | |
| 6240-299-5876 | † | † | † | † | † | | LAMP, GLOW: MIL type NE-34 | | | 2 | 5 | |
| 6250-179-1814 | † | † | † | † | † | | LAMP, GLOW: MIL type NE-45 | | | 3 | 5 | |
| 6240-155-7786 | † | † | † | † | † | | LAMP, INCANDESCENT: For lantern; 2.4 V; GE p/n PR-2; (mtd behind reflector) | | | 1 | 33 | |
| 6240-143-3070 | † | † | † | † | † | | LAMP, INCANDESCENT: 50w; GE p/n 50A/RS | | | 3 | 5 | |
| 6250-299-2884 | † | † | † | † | † | | STARTER, FLUORESCENT LAMP: Bryant Elec p/n FS-2 | | | 6 | 5 | |

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# APPENDIX IV

Posted 27/Feb/66

# ORGANIZATIONAL, DS, GS, AND DEPOT MAINTENANCE REPAIR PARTS LIST

## Section I. INTRODUCTION

### 1. General

*a.* This appendix includes an organizational, direct and general support and depot maintenance special tools list.

(1) The organizational maintenance repair parts and special tools list lists the quantities of repair parts authorized for organizational maintenance and is a basis for requisitioning by organizations which are authorized the major item of equipment. End items of equipments are issued on the basis of allowances prescribed in equipment authorization tables and other documents that are a basis for requisitioning.

(2) Direct and general support and depot maintenance repair parts and special tools list lists the quantities of repair parts authorized for direct and general support maintenance and is a basis for requisitioning authorized parts. It is also a guide for depot maintenance in establishing initial levels of spare parts.

*b.* Columns are as follows:

(1) *Source, maintenance, and recoverability code.* Source, maintenance, and recoverability codes indicate the technical service responsible for supply, the maintenance category at which an item is stocked, categories at which an item is installed or repaired, and whether an item is repairable or salvageable. The source code column is divided into four parts.

(*a*) *Column A.* This column indicates the materiel code and designates the area of responsibility for supply. AR 310–1 defines the basic numbers used to identify the materiel code. If the part is Signal materiel responsibility, the column is left blank.

(*b*) *Column B.* This column indicates the point within the maintenance system where the part is available. "P" indicates that the repair part is a high mortality part; procured by technical services, stocked in and supplied from the technical service depot system, and authorized for use at indicated maintenance categories. "P1" indicates that the repair part is a low mortality part; procured by technical services, stocked only in and supplied from technical service *key* depots, and authorized for installation at indicated maintenance categories.

(*c*) *Column C.* This column indicates the lowest maintenance category authorized to install the part.

"O"—Organizational maintenance (operator and organizational).

"F"—Direct support maintenance.

"H"—General support maintenance.

(*d*) *Column* D. Not used.

(2) *Federal stock number.* This column lists the 11-digit Federal stock number.

(3) *Designation by model.* The dagger (†) indicates model of S–185/MCC–6 in which the part is used.

(4) *Description.* Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description.

(5) *Unit of issue.* The unit of issue is each unless otherwise indicated and is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.

(6) *Expendability.* Nonexpendable items are indicated by NX. Expendable items are not annotated.

(7) *Quantity incorporated in unit.* This column lists the quantity of each part found in a given assembly, component, or equipment. "A/R" indicates that the item may be requisitioned "as required"; however, estimated minimum quantities may be stocked to cover immediate needs.

This symbol applies to common hardware and bulk materials only.

(8) *Organizational.* The quantities indicated in this column are maximum levels of repair parts authorized to be kept on hand by units performing organizational maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.

(9) *Direct support.* This column indicates quantities of repair parts authorized for initial stockage for use in the direct support maintenance and in supply support to organization. The quantities are based on 100 equipments to be maintained for a 15-day period.

(10) *General support.* The numbers in this column indicate quantities of repair parts authorized for initial stockage for use in general support maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.

(11) *Depot.* The numbers in this column indicate quantities of repair parts authorized for depot maintenance and for initial stockage for maintenance, and for supply support to lower categories. The entries are based on the quantity required for rebuild of 100 equipments.

(12) *Illustration.* The "Item No." column lists the reference symbols used for identification of the items in the illustration or text of the manual.

## 2. Parts for Maintenance

When this equipment is used by signal service organizations organic to theater headquarters or communication zones to provide theater communications, those repair parts authorized up to and including general support are authorized for stockage by the organization operating this equipment.

## 3. Additional Repair Parts Authorization

An asterisk (*) indicates that an item is not authorized for stockage but if required, may be requisitioned for immediate use only.

## 4. Batteries

Dry batteries shown are used with the equipment but are not considered part of the equipment. They will not be preshipped automatically but are to be requisitioned in quantities necessary for the particular organization, in accordance with SB 11–6.

## 5. Requisitioning Information (Organizational)

*a.* The allowance factors are based on 100 equipments. In order to determine the number of parts authorized for the specific number of equipments supported, the following formula will be used and carried out to two decimal places.

$$\text{Specific number of equipments supported} \times \frac{\text{allowance factor}}{100} = \text{Number of parts authorized.}$$

*b.* Fractional values obtained from above computation will be rounded to whole numbers as follows:

(1) When the total number of parts authorized is less than one, the quantity authorized will be one.

(2) For all values above one, fractional values below 0.5 will revert to the next lower number, fractional values of 0.5 or larger will advance to the next higher whole number.

*c.* The number of parts authorized, determined after application of *a* and *b* above, represent one prescribed load for a 15-day period. The items and computed quantities therof must be on hand or on order at all times.

*d.* Major commanders will determine the number of prescribed loads organizational units will carry. Units and organizations authorized additional prescribed loads will utilize the formula explained in *a* above but will multiply the number of equipments supported by the number of authorized prescribed loads before completing the formula. Fractional values will be rounded to whole numbers as described above.

## 6. Requisitioning Information (Direct and General Support Maintenance)

*a.* The allowance factors are based on 100 equipments. In order to determine the number of parts authorized for initial stockage for the specific number of equipments supported, the following formula will be used and carried out to two decimal places.

Specific number of equipments supported $\times \frac{\text{allowance factor}}{100} =$

Number of parts authorized for initial stockage.

*b.* Fractional values obtained from above computation will be rounded to whole numbers as follows:

(1) When the total number of parts authorized is less than 0.5, the quantity authorized will be zero.

(2) When the total number of parts authorized is between 0.5 and 1.0, the quantity authorized will be one.

(3) For all values above one, fractional values below 0.5 will revert to the next lower whole number and fractional value 0.5 and above will advance to the next higher whole number.

*c.* The quantities determined in accordance with the above computation represent the initial stockage for a 15-day period.

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | TERMINAL TELEGRAPH TELEPHONE AN/MCC-6 | | | | | | |
| 5805-021-2085 | | | | | | TERMINAL TELEGRAPH TELEPHONE AN/MCC-6: 16 channels freq div type tlg transmission: 60 or 100 words per min oper speed: 125 to 1615 cps freq range, lower band, 1785 to 2975 cps freq range, upper band; 170 cyc between channels; 25 channels 2 way type, 300 cps to 99 kc freq range for transmitting, 300 cps to 99 kc freq range for receiving; 800 cyc freq between channels; 300 to 3500 cps of range; 70-1/2 in x 134 in o/a, not incl trailer mtd gen set<br><br>SHELTER, ELECTRICAL EQUIPMENT S-185/MCC-6, S-185A/MCC-6, S185B/MCC-6, S-185C/MCC-6 (S-141( )/G MODIFIED)<br><br>NOTE: Model Column 1 refers to S-185/MCC-6, Column 2 refers to S-185A/MCC-6, Column 3 refers to S-185B/MCC-6, Column 4 refers to S-185C/MCC-6, Column 5 refers to S-185D/MCC-6. | | NX | | | | |
| 6625-752-8464 | † | † | † | † | † | AMMETER: MIL type MR36W100ACAAR | | | 1 | * | | M2 |
| 4210-727-8111 | † | † | † | † | † | AXE, PICK HEAD: 2-3/4 lbs; GGG-A-926, Type II, Class 1, Design B | | | 1 | * | | |
| 6250-500-4845 | † | † | † | † | † | BALLAST, LAMP: for fluorescent; 20 w, 125 vac max; 3-1/8 in lg x 1-13/16 in w x 1-13/32 in h; GE pt No. 89G457D | | | 8 | * | | |
| 4210-383-7127 | † | † | † | † | † | BRACKET: f/2-1/2 lb fire extinguisher; Walter Kiddie part PRB-2-1/2 | | | 1 | * | | |
| 4210-269-9729 | † | † | † | † | † | BRACKET: f/5 lb fire extinguisher; Walter Kiddie part RB-1 | | | 1 | * | | |
| 7920-178-8315 | † | † | † | † | † | BRUSH, DUSTING, BENCH: Fed Spec H-B-201, Class B | | | 1 | * | | |
| 6145-985-7704 | † | † | † | † | † | CABLE, POWER, ELECTRICAL: for fan; MIL type No. 02MGF(2/16)0338 (Authorized quantity will be minimum or a multiple of 4 ft) | | | 4 | * | | |



Army-Ft Monmouth, NJ-MON 5726-64

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | | |
| 6145-504-1015 | † | † | † | † | † | | CABLE, POWER, ELECTRICAL: MIL type No. CO 03MGF(3/16)0360 (Authorized quantity will be minimum or a multiple of 14 ft) | ft | | 14 | * | | |
| 6145-548-1268 | † | † | † | † | † | | CABLE, POWER, ELECTRICAL: for 15 ft pwr cable assy; MIL type No. CO-03MGF(3/14)0560 (Authorized quantity will be minimum or a multiple of 15 ft) | ft | | 15 | * | | |
| 6145-752-2562 | † | † | † | † | † | | CABLE, POWER, ELECTRICAL: f/heaters; 2 cond; 6 ft lg; GE part S1 5325 type 65/.0063 (Authorized allowances will be a minimum of or a multiple of 6 ft) | ft | | 6 | * | | |
| 6145-752-2473 | † | † | † | † | † | | CABLE, POWER, ELECTRICAL: 3 cond; 2 in 6 AWG, 1 No. 8 AWG; Sig dwg SC-A-46608 (Authorized quantity will be minimum or a multiple of 115 ft) | ft | | 115 | * | | |
| 4940-752-2474 | † | † | † | † | † | | CABLE ASSEMBLY, POWER, ELECTRICAL: 15 ft lg; 1 Hubbell type 9756 conn one end, 1 Hubbell 9200 conn other end; Sig dwg SM-D-350987 | | | 1 | * | | |
| 5995-889-1500 | † | † | † | † | † | | CABLE ASSEMBLY, POWER, ELECTRICAL CX-7453/U: 100 ft lg pwr cable | | | 1 | * | | |
| 5995-985-7568 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE CX-4566A/G: (250 ft) | | | 1 | * | | |
| 5995-889-0867 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 4 ft lg; black; p/o 2w-4w sw box; 1 ea PJ-047R one end, other end stripped and tinned; Sig dwg SM-D-383873-GR VIII | | | 1 | * | | |
| 5995-752-2566 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 4 ft lg o/a; black; 1 ea PJ-047B plug one end, other end stripped and tinned; Sig dwg SM-D-383873 Gr III | | | 3 | * | | |
| 5995-823-3016 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 6 ft lg o/a; f/tty; 1 ea PJ-055B one end, term lugs other end; Sig dwg SM-D-384145 Gr I | | | 1 | * | | |
| 5995-889-0608 | † | † | † | † | † | | CABLE ASSEMBLY, TELEPHONE: 6 ft lg o/a; f/tty; 1 ea PJ-055R one end, term lugs other end; Sig dwg SM-D-384145 Gr II | | | 1 | * | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | | |
| 5940-254-2244 | † | † | † | † | † | | CAP, ELECTRICAL: f/U-106/U: black; Sig dwg SC-C-76202-1 | | | 224 | * | | |
| 5910-713-8313 | † | | | † | † | | CAPACITOR, FIXED, PAPER DIELECTRIC: for fan; 4 uf, 10%; 2-7/8 in h x 2-5/32 in w x 1-5/16 in d; Aerovox pt No. P150F83 | | | 2 | * | | |
| 5910-553-6096 | † | † | † | † | † | | CAPACITOR, FIXED, PAPER DIELECTRIC: for fluorescent; 3 sect, 2 sect 100,000 uuf ±10%, 1 sect 10,000 uuf ±10%; 1-1/2 in lg x 43/64 in dia; Sig dwg SC-C-33033-4 | | | 8 | * | | |
| 5925-682-1061 | † | † | † | † | † | | CIRCUIT BREAKER: 120 v, 60 cyc, 15 amp, Sg D Cat No. QO 115 (Item Nos. CB1, CB2, CB5 thru CB15) | | | 13 | * | | See desc column |
| 5925-523-5764 | † | † | † | † | † | | CIRCUIT BREAKER: 120 v, 60 cyc, 20 amp; Sg D Cat No. QO 120 | | | 2 | * | | CB3,CB4 |
| 5925-752-6642 | † | † | † | † | † | | CIRCUIT BREAKER: 120 240 v, 60 cyc, 70 amp, Square D Cat QO 270 | | | 1 | * | | CB16 |
| 5930-734-5202 | † | † | † | † | † | | CIRCUIT BREAKER: for heater; 1/2 in lg x 3/16 in w approx; C-H pt No. 10172H334A | | | 1 | * | | |
| 5940-857-1424 | † | † | † | † | † | | CLIP, RETAINING: rubber; 1-1/16 in lg x 15/16 in w x 3/32 in d, Electrovert part No. N1 | | | 19 | * | | |
| 5975-705-5841 | † | † | † | † | † | | CLIP, RETAINING: holds cable in cradle clamps; neoprene; 1-5/8 in lg x 1 in w x 1/8 in thk; Electrovert part N3 | | | 30 | * | | |
| 2590-831-6944 | † | † | † | † | † | | CLIP, RETAINING: rubber; 2-3/8 in lg x 1 in w x 1/8 in d; Electrovert part No. N5 | | | 5 | * | | |
| 6645-973-0178 | † | | | | | | CLOCK, AIRCRAFT, MECHANICAL: | | NX | 1 | * | | |
| 6645-303-4950 | | † | † | | | | CLOCK, AIRCRAFT, MECHANICAL: | | NX | 1 | * | | |
| 6645-526-4395 | | | | † | † | | CLOCK, MECHANICAL: AT 11 | | NX | 1 | * | | |



Army-Ft Monmouth, NJ-MON 5726-64

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | | |
| 5935-644-7161 | † | † | † | † | † | | CONNECTOR, PLUG, ELECTRICAL: 1-7/32 in h x 1-1/2 in dia; Hubbell pt No. 9756 | | | 9 | * | | |
| 5935-831-6153 | † | † | † | † | † | | CONNECTOR, PLUG, ELECTRICAL: f/S-4 cable, 90° angle; Sig dwg SM-B-350064 | | | 2 | * | | |
| 5935-646-5908 | † | † | † | † | † | | CONNECTOR, PLUG, ELECTRICAL: for fan, switch box, 1-7/32 in h x 1-1/2 in dia; Hubbell pt No. 9754 | | | 3 | * | | |
| 5935-429-5511 | † | † | † | † | † | | CONNECTOR, PLUG, ELECTRICAL: for heater; 2 male curved blade; Hubbell pt No. 7102 | | | 1 | * | | |
| 5935-064-5731 | † | † | † | † | † | | CONNECTOR, PLUG, ELECTRICAL U-237/G: f/power cables | | | 3 | * | | |
| 5935-045-9832 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL U-187A/G: (for 26 pr cable) | | | 4 | * | | |
| 5935-064-5732 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL U-238/G: in pwr ent box | | | 2 | * | | J1,J2 |
| 5935-257-6374 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL U-121A/G: f/S-4; panel mtd | | | 2 | * | | |
| 5935-259-3313 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; 2-5/8 in lg x 1-25/64 in w x 1-5/32 in h o/a; Hubbell pt No. 7210 | | | 1 | * | | J4 |
| 5935-359-6025 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; 4-1/16 in lg x 1-25/64 in w x 1-1/8 in h; Hubbell pt No. 9210 (Item Nos. J5, J6, J8 thru J17, J19, J20) | | | 14 | * | | See desc column |
| 5935-549-3562 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; duplex; 2-3/4 in lg x 1-3/4 in w x 1-1/8 in h; Hubbell pt No. 9200 | | | 5 | * | | |
| 5935-199-0275 | † | † | † | † | † | | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; simplex; 1-1/8 in h x 1-25/64 in dia; Hubbell pt No. 9213 | | | 24 | * | | J1 thru J12 |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | | |
| 5995-752-2512 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 2 ft lg o/a; Sig dwg SM-D-352593 Gr II | | | 3 | * | | |
| 5995-752-2517 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 2 ft lg o/a; Sig dwg SM-D-352594 Gr II | | | 3 | * | | |
| 5995-752-2516 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; Sig dwg SM-D-352593 Gr III | | | 5 | * | | |
| 5995-752-2498 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; incl 5 DB pad; 2 ft 6 in lg o/a Sig dwg SM-D-352598 Gr III | | | 4 | * | | |
| 5995-752-2515 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; Sig dwg SM-D-352594 Gr III | | | 5 | * | | |
| 5995-752-2499 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; incl 5 DB pad; 2 ft 6 in lg Sig dwg SM-D-352599 Gr III | | | 4 | * | | |
| 5995-752-2496 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; incl 5 db pad; 4 ft 6 in lg o/a Sig dwg SM-D-352598 Gr IV | | | 4 | * | | |
| 5995-752-2495 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; incl 5 DB pad; 4 ft 6 in lg o/a Sig dwg SM-D-352599 Gr IV | | | 4 | * | | |
| 5995-752-2514 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; Sig dwg SM-D-352593 Gr V | | | 2 | * | | |
| 5995-752-2513 | † | † | † | † | † | | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; Sig dwg SM-D-352594 Gr V | | | 2 | * | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | | |
| 5410-792-6341 | † | † | † | † | † | | CURTAIN, BLACKOUT: left hand; 75 in lg x 24 in w; Sig dwg SM-C-352521 | | | 1 | * | | |
| 5410-792-6339 | † | † | † | † | † | | CURTAIN, BLACKOUT: right hand; 75 in lg x 24 in w; Sig dwg SM-C-35251 | | | 1 | * | | |
| 5120-408-1481 | † | † | † | † | † | | EXTRACTOR, ELECTRON TUBE: basket type; for 7 pin miniature; Kellems model No. TP-11-16 | | | 1 | * | | |
| 5120-293-2692 | † | † | † | † | † | | EXTRACTOR, ELECTRON TUBE: basket type; for 9 pin miniature; Kellems model No. TP-13-16 | | | 1 | * | | |
| 5120-776-9918 | † | † | † | † | † | | GRIP, CABLE, JAW: bronze; approx 12 in lg; Economy model No. EQA(26s) | | | 12 | * | | |
| 5120-776-9917 | † | † | † | † | † | | GRIP, CABLE, JAW: bronze; approx 16 in lg; Economy model No. EQA(6-8P) | | | 13 | * | | |
| 5120-251-4489 | † | † | † | † | † | | HAMMER, HAND: blacksmith double face type; 8 lb; GGG-H-86, Type SA, Class II | | | 1 | * | | |
| 4540-404-9232 | † | † | † | † | † | | HEATING ELEMENT, ELECTRICAL: 110 v, 1.5 kw; 7-1/2 in dia x 2-5/16 in thk o/a; Electromode pt No. 3954-E | | | 1 | * | | |
| 5965-351-7460 | † | † | † | † | † | | HOLDER, HANDSET: 3 in h x 2-5/8 in w x 2-3/4 in d; Roanwell part 10711 | | | 2 | * | | |
| 5820-706-3036 | † | † | † | † | † | | HOOK, SPRING RELEASE: f/springs in equip racks Sig dwg SM-B-364049 | | | 1 | * | | |
| 4140-792-8395 | † | † | | † | † | | IMPELLER, FAN: 5 blades; 8 in dia, approx Rotron #23396 02 | | | 2 | * | | |
| 4140-765-7748 | | † | † | | | | IMPELLER: centrifugal type; w/blower Torrington part OU720-2 (Used on shelters made under QR-9 and QR-18 project) | | | 2 | * | | |
| 4520-792-8393 | † | † | † | † | † | | IMPELLER FAN; AXIAL: f/heater; Torrington Mfg #20 | | | 1 | * | | |
| 5935-283-1269 | † | † | † | † | † | | JACK, TELEPHONE: 1-1/4 in lg x 1 in w x 3/4 in h; Sig dwg SC-D-19393 | | | 2 | * | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | FIGURE NO. | ITEM NO. |
| | | AN/MCC-6 (continued) | | | | | | |
| 5935-228-4038 | † † † † † | JACK, TELEPHONE: 3-15/32 in lg x 9/16 in w x 13/16 in h; MIL type JJ-085 | | | 25 | * | | |
| 5935-192-4826 | † † † † † | JACK, TELEPHONE: 2-23/64 in lg x 9/16 in w x 13/16 in h; MIL type No. JJ-086 | | | 28 | * | | |
| 5355-570-5562 | † † † † † | KNOB: Setscrew type; f/2w-4w; Sig dwg SM-B-184158 | | | 1 | * | | |
| 2540-892-6243 | † † † † † | LADDER, VEHICLE, BOARDING MX-3391-G: Sig dwg SC-DL-108736 | | | 1 | * | | |
| 6240-538-8447 | † † † † † | LAMP, FLUORESCENT: 20 w; 24 in lg Sylvania pt No. F20T12SW | | | 8 | * | | |
| 6240-299-5876 | † † † † † | LAMP, GLOW: MIL type NE-34 | | | 1 | * | | |
| 6240-179-1814 | † † † † † | LAMP, GLOW: MIL type NE-45 | | | 40 | 41.6 | | |
| 6240-155-7786 | † † † † † | LAMP, INCANDESCENT: f/lantern; 2.4 v; GE pt No. PR2 | | | 1 | * | | |
| 6240-143-3070 | † † † † † | LAMP, INCANDESCENT: 50w, GE part No. 50A RS | | | 2 | * | | DS25 |
| 6250-752-1233 | † † † † † | LAMPHOLDER: f/neon glow lamp; Dialco part No. 4-74-6 | | | 40 | * | | |
| 6250-109-1091 | † † † † † | LAMPHOLDER: F/blackout lamp; Pass and Seymour #P823J | | | 1 | * | | |
| 6250-299-6093 | † † † † † | LAMPHOLDER: F/fluorescent: 2-5/16 in lg x 1-7/16 in w x 3/16 in h; o/a; GE #78X491 | | | 8 | * | | |
| 6250-174-4684 | † † † † † | LAMPHOLDER: for fluorescent; incl starter socket; 2-1/8 in lg x 1-29/61 x 2-15/16 in h GE #78X736 | | | 8 | * | | |
| 6250-752-2475 | † † † † † | LAMPHOLDER: for 50 w bulb; 1-45/64 in lg 2-1/2 in w x 9/16 in h; Hubbell #456 | | | 1 | * | | XDS25 |
| 6230-729-9614 | † † † † † | LANTERN ELECTRIC: mtd on wall; Justrite #2106-7 | | | 1 | * | | |
| 5410-752-2525 | † † † † † | LEAD, ELECTRICAL: f/gnd; 15 ft lg; Sig dwg SM-B-352166 | | | 2 | * | | |
| 6330-615-5384 | † † † † † | LIGHT, EXTENSION: 25 ft lg; 506KS25-18-25J | | | 1 | * | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | | | | | AN/MCC-6 (continued) | | | | | | |
| 6105-792-8384 | † | † | | † | † | | MOTOR, ALTERNATING CURRENT: for fan; 115v, 50-60 cycles, single ph; Rotron part No. 23396-01 | | | 2 | * | | |
| 6105-561-6321 | | † | † | | | | MOTOR, ALTERNATING CURRENT: Delco #AA265M1 (used on shelters made under QR-9 and QR-18 project) | | | 2 | * | | |
| 6105-560-5739 | † | † | † | † | † | | MOTOR, ALTERNATING CURRENT: F/heater; 115v, 60 cycles GE #5KSP51AL74 | | | 1 | * | | |
| 5940-223-5293 | † | † | † | † | † | | POST BINDING U-106 U: Sig dwg SC-C-16495 | | | 224 | * | | |
| 8130-656-1090 | † | † | † | † | † | | REEL, CABLE RC-435 U: Sig dwg SC-DL-69296 | | | 2 | * | | |
| 5410-793-2021 | † | † | † | † | † | | REPAIR KIT, ELECTRONIC EQUIPMENT, SHELTER MK-680/G: to repair punctures to shelter skin;<br>NOTE: to be requisitioned for immediate use only, order direct from depot stock. | | | A/R | * | | |
| 5975-224-5260 | † | † | † | † | † | | ROD, GROUND MX-148/G | | | 2 | * | | |
| 6230-474-4497 | † | † | † | † | † | | SHADE LAMP: f/night light; Benjamin Elec #365P | | | 1 | * | | |
| 6210-754-8134 | † | † | † | † | † | | SHIELD, LIGHT: f/fluorescent; Sig dwg SM-C-349983 | | | 8 | * | | |
| 6250-299-2884 | † | † | † | † | † | | STARTER, FLUORESCENT LAMP: Bryant Elec pt No. FS-2 | | | 8 | * | | |
| 5410-792-6336 | † | † | † | † | † | | STRAP ASSEMBLY, TIEDOWN: nylon webbing and steel; 72-5/8 in. lg x 2-7/8 in. w; Craig pt No. 705 | | | 6 | * | | |
| 5930-075-2480 | † | † | † | † | † | | SWITCH ROTARY: f/2w-4w sw box; Oak part 226910-28 | | | 1 | * | | |
| 5930-752-3082 | † | † | † | † | † | | SWITCH, SENSITIVE: for blackout light; mtd in door jam; Micro-Switch pt No. BZ-2RQ-181-P4 | | | 1 | * | | |
| 6680-793-9575 | † | † | † | † | † | | SWITCH THERMOSTATIC: for heater; bimetalic type; 1-1/4 in OD, x 4-3/4 in. h o/a; White Rogers pt No. H-2727-A | | | 1 | * | | |
| 5930-615-7896 | † | † | † | † | † | | SWITCH, TOGGLE: MIL type MS25098-22 (F/J1 thru J12 receptacles) | | | 25 | * | | |

| FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | ORGAN-IZATIONAL | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | FIGURE NO. | ITEM NO. |
| | | AN/MCC-6 (continued) | | | | | | |
| 5930-504-9923 | † † † † † | SWITCH, TOGGLE: for heater; DPDT; 1-5/16 in lg x 3/4 in w x 1-1/16 in h; C-H pt No. 7563K4 | | | 1 | * | | |
| 5930-548-5150 | † † † † † | SWITCH, TOGGLE: for fans; SPST; 125v, 10 amp; Circle #3036 | | | 2 | * | | |
| 5930-636-4014 | † † † † † | SWITCH, TOGGLE: spst; 250 vac, 5 amp; 4 in. lg x 1-7/8 in. h, 7/8 in w; GE pt No. 5521-1 | | | 4 | * | | S2,S3, S4,S7 |
| 5930-276-9282 | † † † † † | SWITCH, TOGGLE: 4 pole D.T; 1-7/16 in lg x 1-5/16 in w x 1-5/32 in d; C-H pt No. 7661K6 | | | 1 | * | | |
| 5410-792-6335 | † † † † † | TIEDOWN PLATE ASSEMBLY: in shelter floor; 1/4 in thk x 4 in dia; Davis Aircraft No. FDC-1225-M5 | | | 10 | * | | |
| 5950-280-4651 | † † † † † | TRANSFORMER, CURRENT: in pwr distr box; Midwest Elec #3CT 11B | | | 1 | * | | |
| 6625-883-4272 | † † † † † | VOLTMETER: MIL type MR36W150ACVVR | | | 1 | * | | M1 |



Army-Ft Monmouth, NJ-MON 5720-64

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A B C D | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | TERMINAL TELEGRAPH-TELEPHONE AN/MCC-6 | | | | | | | | |
| | 5805-021-2085 | | TERMINAL TELEGRAPH-TELEPHONE AN/MCC-6: 16 channels freq div type tlg transmission; 60 or 100 words per min oper speed; 425 to 1615 cps freq range, lower band 1785 to 2975 cps freq range, upper band; 170 cyc between channels; 24 channels 2-way type, 300 cps to 99 kc freq range for transmitting, 300 cps to 99 kc freq range for receiving; 800 cyc freq between channels 300 to 3500 cps of range; 70-1/2 in x 134 in o/a, not incl trailer mtd gen set. | | NX | | | | | | |
| | | | SHELTER, ELECTRICAL EQUIPMENT S-185/MCC-6, S-185A/MCC-6, S-185B/MCC-6, S-185C/MCC-6 (S-141( )/G MODIFIED) | | | | | | | | |
| | | | NOTE: Model Column 1 refers to S-185/MCC-6; Column 2 refers to S-185A/MCC-6; Column 3 refers to S-185B/MCC-6; Column 4 refers to S-185C/MCC-6; Column 5 refers to S-185D/MCC-6. | | | | | | | | |
| P10 | 6625-752-8464 | † † † † † | AMMETER: MIL type MR36W100ACAAR | | | 1 | 1.2 | 0.3 | 5.0 | | |
| 5 P10 | 4210-727-8111 | † † † † † | AXE, PICK HEAD: 2-3/4 lbs; GGG-A-926, Type II, Class 1, Design B | | | 1 | 0.7 | 0.3 | 5.0 | | |
| 5 P10 | 6250-804-3449 | † † † † † | BALLAST, LAMP: for fluorescent; 20w, 125 vac max; 3-1/8 in lg x 1-13/16 in w x 1-13/32 in h; GE pt No. 89G457D | | | 8 | 1.6 | 0.5 | 16.0 | | |
| P10 | 4210-269-9729 | † † † † † | BRACKET: f/5 lb. fire extinguisher; Walter Kiddie part RB-1 | | | 1 | 0.3 | 0.1 | 5.0 | | |
| P10 | 4210-383-7127 | † † † † † | BRACKET: f/2-1/2 lb. fire extinguisher; Walter Kiddie part PRB-2-1/2 | | | 1 | 0.3 | 0.1 | 5.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FIGURE NO. | ITEM NO. |
| A B C D | | | AN/MCC-6 (continued) | | | | | | | | |
| 10 P10 | 7920-178-8315 | † † † † † | BRUSH, DUSTING BENCH: Fed Spec H-B-201, Class B | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 6145-985-7704 | † † † † † | CABLE, POWER, ELECTRICAL: for fan; MIL type #CO-02MGF(2/16)0338 (Authorized quantity will be a minimum of or a multiple of 4 ft) | ft. | | 4 | * | * | 40.0 | | |
| P10 | 6145-504-1015 | † † † † † | CABLE, POWER, ELECTRICAL: MIL type #CO-03MGF(3/16)0360 (Authorized quantity will be a minimum of or a multiple of 14 ft) | ft. | | 14 | * | * | 140.0 | | |
| P10 | 6145-548-1268 | † † † † † | CABLE, POWER, ELECTRICAL: for 15 ft pwr cable assy; MIL type #CO-03MGF(3/14)0560 (Authorized quantity will be minimum or a multiple of 15 ft) | ft. | | 15 | * | * | 150.0 | | |
| P10 | 6145-752-2562 | † † † † † | CABLE, POWER, ELECTRICAL: f/heater; 2 cond; 6 ft lg; GE part S1-5324-type65/.0063 (Authorized allowances will be a minimum of or a multiple of 6 ft) | ft. | | 6 | * | * | 60.0 | | |
| P10 | 6145-[illegible]-[illegible]3 | † † † † † | CABLE, POWER, ELECTRICAL: 3 cond; 2 in 6 AWG, 1 No. 8 AWG; Sig dwg SC-A-46608 (Authorized quantity will be a minimum or a multiple of 115 ft) | ft. | | 115 | * | * | 1150.0 | | |
| 1F | 6145-[illegible]-522 | † † † † † | CABLE, TELEPHONE WF-8/G: (S-4) (Authorized allowances will be a minimum of or a multiple of 100 ft) | ft. | | 200 | * | * | 2000.0 | | |
| 1F | 6145-577-8480 | † † † † † | CABLE, TELEPHONE WM-130/G, WM-130A/G: (For cable assy CX-4566/G and CX-4760/U) (Authorized quantity will be a minimum or a multiple of 265 ft) | ft. | | 265 | * | * | 2650.0 | | |
| 9P10 | 4940-752-2474 | † † † † † | CABLE ASSEMBLY, POWER, ELECTRICAL: 15 ft lg; 1 Hubbell type 9756 conn one end, 1 St Carl conduit outlet other end: Sig dwg SM-D-350987 | | | 1 | 0.4 | 0.1 | 10.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | | | | | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | FIGURE NO. | ITEM NO. |
| A B C D | | | | | | | | | | | | | | | |
| | | | | | | | AN/MCC-6 (continued) | | | | | | | | |
| P10 | 5995-889-1500 | † | † | † | † | † | CABLE ASSEMBLY, POWER ELECTRICAL: CX-7453/U: 100 ft lg pwr cable | | | 1 | 0.4 | 0.1 | 10.0 | | |
| P10 | 5995-985-7568 | † | † | † | † | † | CABLE ASSEMBLY, TELEPHONE CX-4566A/G: (250 ft) | | | 1 | 0.5 | 0.2 | 5.0 | | |
| P10 | 5995-889-0867 | † | † | † | † | † | CABLE ASSEMBLY, TELEPHONE: 4 ft lg o/a black; p/o 2w-4w sw box; 1 ea PJ-047R one end, other end stripped and tinned; Sig dwg SM-D-383873 Gr VIII | | | 1 | 0.8 | 0.2 | 5.0 | | |
| P10 | 5995-752-2566 | † | † | † | † | † | CABLE ASSEMBLY, TELEPHONE: 4 ft lg o/a black; 1 ea PJ-047B one end, other end stripped and tinned; Sig dwg SM-D-383873 Gr III | | | 3 | 1.6 | 0.5 | 15.0 | | |
| P10 | 5995-823-3016 | † | † | † | † | † | CABLE ASSEMBLY, TELEPHONE: 6 ft lg o/a f/TTY; 1 ea PJ-055/B one end, term lugs other end; Sig dwg SM-D-384145 Gr I | | | 1 | 0.8 | 0.2 | 5.0 | | |
| P10 | 5995-889-0608 | † | † | † | † | † | CABLE ASSEMBLY, TELEPHONE: 6 ft lg o/a f/TTY; 1 ea PJ-055R one end, term lugs other end; Sig dwg SM-D-384145 Gr II | | | 1 | 0.8 | 0.2 | 5.0 | | |
| P10 | 5940-254-2244 | † | † | † | † | † | CAP, ELECTRICAL: f/U/106/U; black; Sig dwg SC-C-76202-1 | | | 224 | 22.8 | 11.2 | 448.0 | | |
| P10 | 5910-713-8313 | † | | | † | † | CAPACITOR, FIXED, PAPER DIELECTRIC: for fan; 4 uf, 10% 2-7/8 in h x 2-5/32 in w x 1-5/16 in d; Aerovox part #P150F83 | | | 2 | 1.2 | 0.3 | 10.0 | | |
| P10 | 5910-553-6096 | † | † | † | † | † | CAPACITOR, FIXED, PAPER DIELECTRIC: for fluorescent; 3 sect, 2 sect 100,000 uuf 10%, 1 sect 10,000 uuf 10%; 1-1/2 in lg x 13-64 in dia; Sig dwg SC-C-33033-4 | | | 8 | 3.4 | 1.2 | 40.0 | | |
| P10 | 5925-682-1061 | † | † | † | † | † | CIRCUIT BREAKER: 120v, 60 cyc, 15 amp, Sq D Cat #QO-115 (Item Nos. CB1, CB2, CB5 thru CB15) | | | 13 | 5.2 | 2.1 | 70.0 | | See desc column |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A B C D | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | AN/MCC-6 (continued) | | | | | | | | |
| P10 | 5925-523-5764 | † † † † † | CIRCUIT BREAKER: 120 v, 60 cyc, 20 amp; Sq D Cat QP-120 | | | 2 | 1.2 | 0.3 | 10.0 | | CB3,CB4 |
| P10 | 5925-752-6642 | † † † † † | CIRCUIT BREAKER: 120-240v, 60 cyc, 70 cyc, 70 amp; Square D Cat QO-270 | | | 1 | 0.7 | 0.3 | 5.0 | | CB16 |
| P10 | 5930-734-5202 | † † † † † | CIRCUIT BREAKER: f/heater; 1/2 in lg x 3/16 in w approx C H part No. 10172H334A | | | 1 | 0.4 | 0.1 | 5.0 | | |
| P10 | 5940-857-1424 | † † † † † | CLIP, RETAINING: rubber; 1-1/16 in lg x 15/16 in w x 3/32 in d; Electrovert part #N1 | | | 19 | 3.1 | 1.2 | 40.0 | | |
| P10 | 5975-705-5841 | † † † † † | CLIP, RETAINING: holds cable in cradle clamps; neoprene; 1-5/8 in lg x 1 in w x 1/8 in thk; Electrovert part N3 | | | 30 | 3.6 | 0.9 | 60.0 | | |
| 9 P10 | 2590-831-6944 | † † † † † | CLIP, RETAINING: rubber; 2-3/8 in lg x 1 in w x 1/8 in d; Electrovert part #N5 | | | 5 | 1.2 | 0.3 | 10.0 | | |
| 9 P10 | 6645-973-0178 | † | CLOCK, AIRCRAFT, MECHANICAL: | | NX | 1 | 0.7 | 0.3 | 5.0 | | |
| 9 P10 | 6645-303-4950 | † † | CLOCK, AIRCRAFT, MECHANICAL: | | NX | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 6645-526-4395 | † † | CLOCK, MECHANICAL: AT-11 | | | 1 | 1.1 | 0.3 | 5.0 | | |
| P1H | 5935-577-8846 | † † † † † | CONNECTOR, PLUG, ELECTRICAL U-185B/G: (for 26 pr cable) | | | 3 | | 0.5 | 15.0 | | |
| P1F | 5935-577-0302 | † † † † † | CONNECTOR, PLUG, ELECTRICAL U-176/G: (f/S-4) | | | 4 | 1.2 | 0.3 | 12.0 | | |
| P10 | 5935-831-6153 | † † † † † | CONNECTOR, PLUG, ELECTRICAL: f/S-4 cable, 90° angle; Sig dwg SM-B-350064 | | | 2 | 1.3 | 0.3 | 10.0 | | |
| P10 | 5935-644-7161 | † † † † † | CONNECTOR, PLUG, ELECTRICAL: 1-7/32 in h x 1-1/2 in dia; Hubbell pt No. 9756 | | | 9 | 4.0 | 1.5 | 45.0 | | |
| P10 | 5935-646-5908 | † † † † † | CONNECTOR, PLUG, ELECTRICAL: f/fan switch box; 1-7/32 in h x 1-1/2 in dia; Hubbell pt No. 9754 | | | 3 | 0.8 | 0.3 | 10.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FIGURE NO. | ITEM NO. |
| A B C D | | | AN/MCC-6 (continued) | | | | | | | | |
| P10 | 5935-429-5511 | † † † † † | CONNECTOR, PLUG, ELECTRICAL: for heater; 2 male curved blades; Hubbell pt No. 7102 | | | 1 | 0.5 | 0.2 | 5.0 | | |
| P10 | 5935-064-5731 | † † † † † | CONNECTOR, PLUG, ELECTRICAL U-237/G: f/power cables | | | 3 | 0.8 | 0.3 | 10.0 | | |
| P10 | 5935-045-9832 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL U-187A/G: (for 26 pr cable) | | | 4 | 1.2 | 0.3 | 20.0 | | |
| P10 | 5935-064-5732 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL U-238/G: in pwr ent box | | | 2 | 0.8 | 0.3 | 10.0 | | |
| P10 | 5935-257-6374 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL U-121A/G: f/S-4; panel mtd | | | 2 | 0.8 | 0.3 | 10.0 | | |
| P10 | 5935-259-3313 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; 2-5/8 in lg x 1-25/64 in w x 1-5/32 in h o/a; Hubbell part No. 7210B | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 5935-359-6025 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; 4-1/16 in lg x 2-5/64 in w x 1-1/8 in h; Hubbell pt #9210 (Item Nos. J5, J6, J8 thru J17, J19, J20) | | | 14 | 5.2 | 2.1 | 70.0 | | See desc column |
| P10 | 5935-549-3562 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; duplex; 2-3/4 in lg x 1-3/4 in w x 1-1/8 in h; Hubbell pt No. 9200 | | | 5 | 2.7 | 0.9 | 30.0 | | |
| P10 | 5935-199-0275 | † † † † † | CONNECTOR, RECEPTACLE, ELECTRICAL: installed in wiremold; simplex; 1-1/8 in h x 1-24/64 in dia | | | 24 | 8.2 | 3.6 | 120.0 | | J1 thru J12 |
| P10 | 5995-752-2512 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 2 in lg o/a; Sig dwg SM-D-352593GrII | | | 3 | 1.6 | 0.5 | 15.0 | | |
| P10 | 5995-752-2517 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 2 ft lg o/a; Sig dwg SM-D-352594GrII | | | 3 | 1.6 | 0.5 | 15.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A B C D | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | AN/MCC-6 (continued) | | | | | | | | |
| P10 | 5995-752-2516 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; Sig dwg SM-D-352593GrIII | | | 5 | 2.3 | 0.8 | 25.0 | | |
| P10 | 5995-752-2498 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond; black cord; terminated each end with PJ-047B; incl 5 DB pad; 2 ft 6 in lg o/a; Sig dwg SM-D-352598GrIII | | | 4 | 2.0 | 0.6 | 20.0 | | |
| P10 | 5995-752-2515 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; Sig dwg SM-D-352594GrIII | | | 5 | 2.3 | 0.8 | 25.0 | | |
| P10 | 5995-752-2499 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; incl 5 DB pad; 2 ft 6 in lg; Sig dwg SM-D-352599GrIII | | | 4 | 2.0 | 0.6 | 20.0 | | |
| P10 | 5995-752-2496 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; incl 5 DB pad; 4 ft 6 in lg o/a; Sig dwg SM-D-352598GrIV | | | 4 | 2.0 | 0.6 | 20.0 | | |
| P10 | 5995-752-2495 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; incl 5 DB pad; 4 ft 6 in lg o/a; Sig dwg SM-D-352599GrIV | | | 4 | 2.0 | 0.6 | 20.0 | | |
| P10 | 5994-752-2514 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, black cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; Sig dwg SM-D-352593GrV | | | 2 | 1.2 | 0.3 | 10.0 | | |
| P10 | 5995-752-2513 | † † † † † | CORD ASSEMBLY, ELECTRICAL: 2 cond, red cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; Sig dwg SM-D-352594GrV | | | 2 | 0.7 | 0.3 | 5.0 | | |
| 5 P10 | 5410-792-6341 | † † † † † | CURTAIN, BLACKOUT: left hand; 75 in lg x 24 in w; Sig dwg SM-C-352521 | | | 1 | 0.7 | 0.3 | 3.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A B C D | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | AN/MCC-6 (continued) | | | | | | | | |
| 5 P10 | 5410-792-6339 | † † † † † | CURTAIN, BLACKOUT: right hand; 75 in lg x 24 in w; Sig dwg SM-C-356521 | | | 1 | 0.7 | 0.3 | 3.0 | | |
| P10 | 5120-408-1481 | † † † † † | EXTRACTOR, ELECTRON TUBE: basket type; for 7 pin miniature; Kellems model #TP-11-16 | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 5120-293-2692 | † † † † † | EXTRACTOR, ELECTRON TUBE: basket type; for 9 pin miniature; Kellems model #TP-13-16 | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 5120-776-9918 | † † † † † | GRIP, CABLE, JAW: bronze; approx 12 in lg; Economy model #EQA(26S) | | | 12 | 8.2 | 3.6 | 120.0 | | |
| P10 | 5120-776-9917 | † † † † † | GRIP, CABLE, JAW: bronze; approx 16 in lg Economy model #EQA(6-8P) | | | 13 | 8.9 | 3.9 | 130.0 | | |
| P10 | 5120-251-4489 | † † † † † | HAMMER, HAND: Blacksmith double face type; 8 lb; GGG-H-86, Type SA, Class II | | | 1 | 1.2 | 0.3 | 10.0 | | |
| 5 P10 | 4540-404-9232 | † † † † † | HEATING ELEMENT, ELECTRICAL: 110v, 1.5kw; 7-1/2 in dia x 2-5/16 in thk o/a; Electromode pt #3954-E | | | 1 | 0.7 | 0.2 | 3.0 | | |
| P10 | 5965-351-7460 | † † † † † | HOLDER, HANDSET: 3 in h x 2-5/8 in w x 2-3/4 in d; Roanwell part 10711 | | | 2 | 0.6 | 0.2 | 4.0 | | |
| P10 | 5820-706-3036 | † † † † † | HOOK, SPRING RELEASE: f/springs in equip racks; Sig dwg SM-B-364049 | | | 1 | 0.5 | 0.2 | 5.0 | | |
| P10 | 4140-792-8395 | † †  † † | IMPELLER, FAN: 5 blades; f/fan; 8 in dia approx; Rotron pt No. 23396-02 | | | 2 | 0.8 | 0.3 | 8.0 | | |
| P10 | 4140-765-7748 | † † | IMPELLER: centrifugal type; f/blower; Torrington part 0U720-5 (used on shelters made under QR-9 and QR-18 project) | | | 2 | 0.8 | 0.3 | 8.0 | | |
| 5 P10 | 4520-792-8393 | † † † † † | IMPELLER, FAN, AXIAL: for heater; Torrington Mfg part #20 | | | 1 | 0.5 | 0.2 | 3.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A B C D | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | AN/MCC-6 (continued) | | | | | | | | |
| P 1 0 | 5935-283-1269 | † † † † † | JACK, TELEPHONE: 1-1/4 in lg x 1 in w x 3/4 in h; Sig dwg SC-D-19393 | | | 2 | 1.2 | 0.3 | 10.0 | | |
| P 1 0 | 5935-228-4038 | † † † † † | JACK, TELEPHONE: 3-15/32 in lg x 9/16 in w x 13/16 in h; MIL type JJ-085 | | | 25 | 15.8 | 7.5 | 250.0 | | |
| P 1 0 | 5935-192-4826 | † † † † † | JACK, TELEPHONE: 2-23/64 in lg x 9/16 in w x 13/16 in h; MIL type #JJ-086 | | | 28 | 9.5 | 4.2 | 140.0 | | |
| P 1 0 | 5355-570-5562 | † † † † † | KNOB: setscrew type; f/2w-4w sw; Sig dwg SM-B-184158 | | | 1 | 0.6 | 0.1 | 5.0 | | |
| 9 P 1 0 | 2540-892-6243 | † † † † † | LADDER, VEHICLE, BOARDING MX-3391/G: Sig dwg SC-DL-108736 | | | 1 | 0.7 | 0.3 | 5.0 | | |
| 5 P 0 | 6240-538-8447 | † † † † † | LAMP, FLUORESCENT: 20 w; 24 in lg; Sylvania part #F20T12/SW | | | 8 | 6.0 | 2.4 | 200.0 | | |
| 5 P 0 | 6240-299-5876 | † † † † † | LAMP, GLOW: MIL type NE-31 | | | 1 | 0.7 | 0.3 | 100.0 | | |
| 5 P 0 | 6240-179-1814 | † † † † † | LAMP, GLOW: MIL type NE-45 | | | 40 | 21.1 | 18.0 | 400.0 | | |
| 5 P 0 | 6240-155-7786 | † † † † † | LAMP, INCANDESCENT: for lantern; 2.4 v; GE pt PR-2 | | | 1 | 1.2 | 0.3 | 10.0 | | |
| 5 P 0 | 6240-143-3070 | † † † † † | LAMP, INCANDESCENT: 50w; GE part #50A/RS | | | 2 | 7.0 | 3.0 | 100.0 | | |
| 5 P 1 0 | 6250-752-1233 | † † † † † | LAMPHOLDER: f/neon glow lamp; Dialco part 4-74-6 | | | 40 | 8.2 | 3.6 | 205.0 | | |
| 5 P 1 0 | 6250-109-1091 | † † † † † | LAMPHOLDER: f/blackout lamp; Pass and Seymour part #P823J | | | 1 | 0.5 | 0.2 | 5.0 | | |
| 5 P 1 0 | 6250-299-6093 | † † † † † | LAMPHOLDER: for flourescent; 2-5/16 in lg x 1-7/16 in w x 3/16 in h o/a GE pt No. 78X491 | | | 8 | 1.6 | 0.5 | 40.0 | | |
| 5 P 1 0 | 6250-174-4684 | † † † † † | LAMPHOLDER: for fluorescent; incl starter socket; 2-1/8 in lg x 1-29/64 x 2-15/16 in h; GE pt No. 78X736 | | | 8 | 1.6 | 0.5 | 40.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FIGURE NO. | ITEM NO. |
| A B C D | | | AN/MCC-6 (continued) | | | | | | | | |
| 5 P 1 0 | 6250-752-2475 | † † † † † | LAMPHOLDER: for 50 w bulb; 1-45/64 in lg x 2-1/2 in w x 9/16 in h; Hubbell pt No. 456 | | | 1 | 0.5 | 0.2 | 5.0 | | |
| 5 P 1 0 | 6230-729-9614 | † † † † † | LANTERN, ELECTRIC: mtd on wall; Justrite pt No. 2106-7 | | | 1 | 1.2 | 0.3 | 10.0 | | |
| 5 P 1 0 | 5410-752-2525 | † † † † † | LEAD, ELECTRICAL: f/gnd; 15 ft lg; Sig dwg SM-B-352166 | | | 2 | 1.2 | 0.3 | 50.0 | | |
| 5 P 1 0 | 6230-615-5384 | † † † † † | LIGHT, EXTENSION: 25 ft lg; 506KS25-18-2SJ | | | 1 | 1.2 | 0.3 | 5.0 | | |
| 5 P 1 0 | 6105-792-8384 | † † † † | MOTOR, ALTERNATING CURRENT: for fan; 115v, 50/60 cycles, single ph; Rotron pt #23396-01 | | | 2 | 1.2 | 0.3 | 4.0 | | |
| P 1 0 | 6105-561-6321 | † † | MOTOR, ALTERNATING CURRENT: Delco part AA265M1 (used on shelters made under QR-9 and QR-18 project) | | | 2 | 1.2 | 0.3 | 4.0 | | |
| 5 P 1 0 | 6105-560-5739 | † † † † † | MOTOR, ALTERNATING CURRENT: for heater; 115v, 60 cycles; GE pt No. 5KSP51AL74 | | | 1 | 0.7 | 0.3 | 2.0 | | |
| P 1 0 | 5940-223-5293 | † † † † † | POST BINDING U-106/U: Sig dwg SC-C-16195 | | | 224 | 22.8 | 11.2 | 448.0 | | |
| P 1 0 | 8130-656-1090 | † † † † † | REEL, CABLE RC-435/U: Sig dwg SC-DL-69296 | | | 2 | 0.6 | 0.2 | 5.0 | | |
| F | 5410-771-3354 | † † † † † | REPAIR KIT, ELECTRONIC EQUIPMENT SHELTER MK-681/G: to repair punctures to shelter skin<br><br>NOTE: to be requisitioned for immediate use only, order direct from depot stock | | | A/R | * | | | | |
| H | 5410-973-2936 | † † † † † | MAINTENANCE KIT, ELECTRONIC EQUIPMENT, SHELTER MK-679/G: to repair punctures to shelter skin<br><br>NOTE: to be requisitioned for immediate use only, order direct from depot stock | | | A/R | | * | | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A B C D | | | | | | | | | | FIGURE NO. | ITEM NO. |
| | | | AN/MCC-6 (continued) | | | | | | | | |
| P10 | 5975-224-5260 | † † † † † | ROD, GROUND MX-148/G | | | 2 | 2.7 | 0.9 | 15.0 | | |
| P10 | 6230-474-4497 | † † † † † | SHADE, LAMP: f/night light; Benjamin Elec Mfr part 365P | | | 1 | 0.8 | 0.2 | 5.0 | | |
| P10 | 6210-754-8134 | † † † † † | SHIELD, LIGHT: f/fluorescent; Sig dwg SM-C-349983 | | | 8 | 1.6 | 0.5 | 24.0 | | |
| 5 P10 | 6250-299-2884 | † † † † † | STARTER, FLUORESCENT LAMP: Bryant Elec pt No. FS-2 | | | 8 | 6.0 | 2.4 | 16.0 | | |
| 0 | 5410-792-6336 | † † † † † | STRAP ASSEMBLY, TIEDOWN: nylon webbing and steel; 75-5/8 in lg x 2-7/8 in w; Craig pt No. 705 | | | 6 | 1.2 | 0.3 | 12.0 | | |
| P10 | 5930-075-2480 | † † † † † | SWITCH, ROTARY: f/2w-4w sw box; Oak part 226910-28 | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 5930-752-3082 | † † † † † | SWITCH, SENSITIVE: for blackout light; mtd in door jam; Microswitch pt No. BZ-2RQ-181-P4 | | | 1 | 0.7 | 0.3 | 5.0 | | |
| 5 P10 | 6680-793-9575 | † † † † † | SWITCH, THERMOSTATIC: for heater; bimetallic type; 1-1/4 in od x 4-3/4 in h o/a; White Rogers pt #H-2727-A | | | 1 | 0.4 | 0.1 | 2.0 | | |
| P10 | 5930-615-7896 | † † † † † | SWITCH, TOGGLE: MIL type MS2509B-22 (f/J1 thru J12 receptacles) | | | 25 | 8.2 | 3.6 | 125.0 | | |
| P10 | 5930-504-9923 | † † † † † | SWITCH, TOGGLE: f/heater; DPDT; 1-5/16 in lg x 3/4 in w x 1-1/16 in h; C-H pt No. 7563K4 | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 5930-548-5150 | † † † † † | SWITCH, TOGGLE: f/fans; SPST; 125 v; 10 amp; Circle Mfg pt No. 3036 | | | 2 | 1.2 | 0.3 | 10.0 | | |
| P10 | 5930-636-4014 | † † † † † | SWITCH, TOGGLE: SPST; 250 vac, 5 amp; 4 in lg x 1-7/8 in h x 7/8 in w; GE pt No. 5521-1 | | | 1 | 2.0 | 0.6 | 20.0 | | |
| P10 | 5930-276-9282 | † † † † † | SWITCH, TOGGLE: 4 pole DT; 1-7/16 in lg x 1-5/16 in w x 1-5/32 in d; C-H pt No. 7661K6 | | | 1 | 0.7 | 0.3 | 5.0 | | |

| SOURCE CODE | FEDERAL STOCK NUMBER | DESIGNATION BY MODEL | DESCRIPTION | UNIT OF ISSUE | EXP | QTY IN UNIT | DIRECT SUPPORT | GENERAL SUPPORT | DEPOT | ILLUSTRATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FIGURE NO. | ITEM NO. |
| A B C D | | | AN/MCC-6 (continued) | | | | | | | | |
| 5P10 | 5410-792-6335 | † † † † † | TIEDOWN PLATE ASSEMBLY: in shelter floor; 1/4 in thk x 4 in dia; Davis Aircraft pt No. FDC-1225-M5 | | | 10 | 2.3 | 0.8 | 25.0 | | |
| 5P10 | 5950-280-4651 | † † † † † | TRANSFORMER, CURRENT: in pwr distribution box; Midwest Elec Prod part No. 3CT-11B | | | 1 | 0.7 | 0.3 | 5.0 | | |
| P10 | 6625-883-4272 | † † † † † | VOLTMETER: MIL type MR36W150ACVVR | | | 1 | 0.7 | 0.3 | 5.0 | | |

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
*General, United States Army,*
*Chief of Staff.*

Official:
J. C. LAMBERT,
*Major General, United States Army,*
*The Adjutant General.*

Distribution:

*Active Army:*

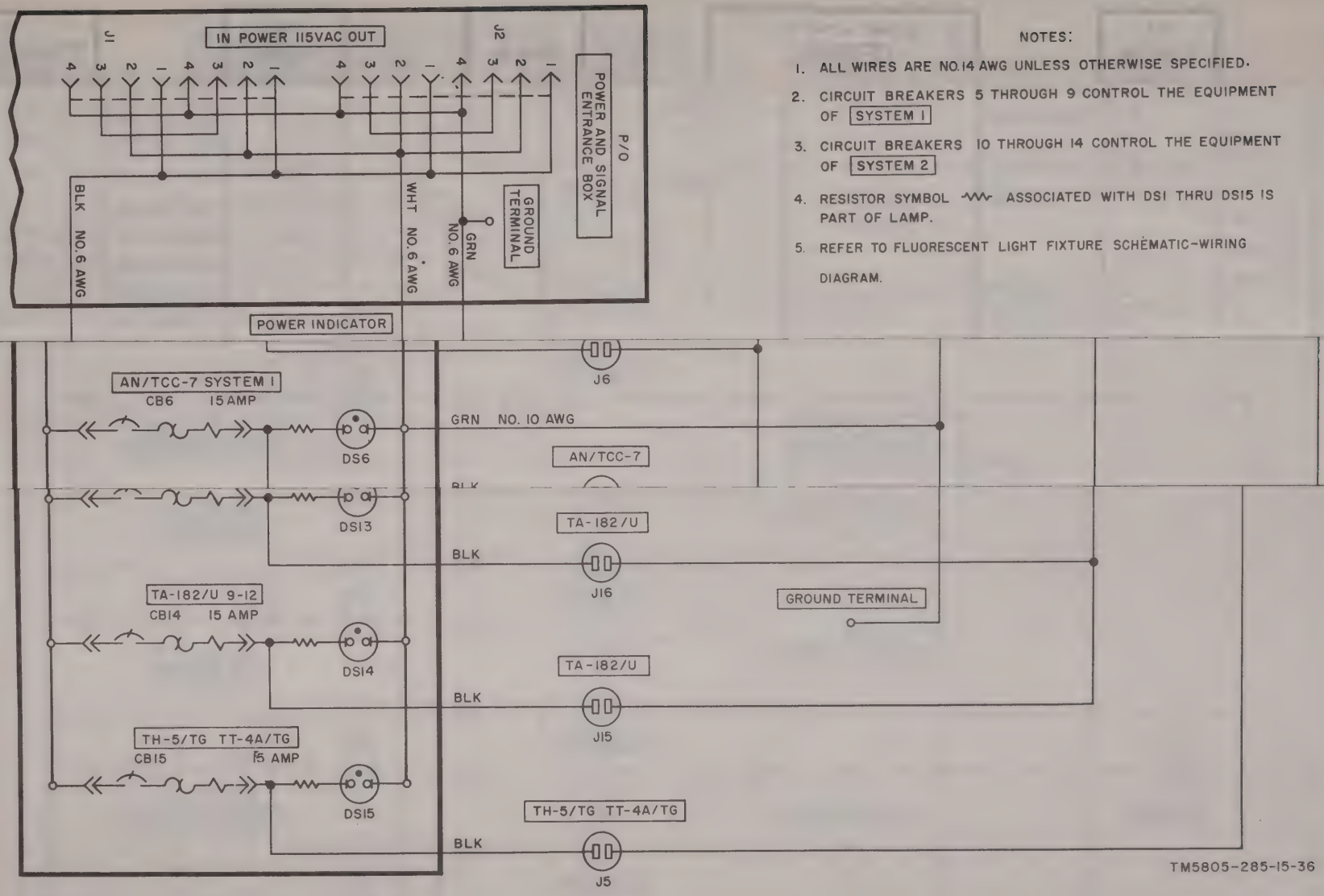
USASA (2)
CNGB (1)
CC–E (7)
Dir of Trans (1)
CofEngrs (1)
TSG (1)
CofSptS (1)
USACDCEA (1)
USACDCCBRA (1)
USACDCCEA (1)
USACDCCEA (Ft Huachuca) (1)
USACDCOA (1)
USACDCQMA (1)
USACDCTA (1)
USACDCADA (1)
USACDCARMA (1)
USACDCAVNA (1)
USACDCARTYA (1)
USACDCSWA (1)
USACDCEC (10)
USAMC (5)
USCONARC (5)
ARADCOM (5)
ARADCOM Rgn (2)
OS Maj Comd (4) except
USAREUR (5)
LOGCOMD (2)
USAMICOM (4)
USASMC (2)
USASCC (4)
MDW (1)
Armies (2) except
EUSA (5)
Corps (2)
USAC (3)
11th Air Aslt Div (3)
Instl (2) except
Ft Monmouth (70)
Ft Hancock (4)
Ft Gordon (10)
Ft Huachuca (10)
WSMR (5)
Ft Carson (25)
Ft Knox (12)
Svc Colleges (2)
Br Svc Sch (2) except
USASESCS (70)
USATC Armor (2)
USAECFB (2)
USATC Inf (2)
USASTC (5)
Army Dep (2) except
SAAD (30)
TOAD (14)
FTWOAD (10)
LEAD (7)
SHAD (3)
NAAD (5)
SVAD (5)
CHAD (3)
ATAD (10)
LBAD (14)
Gen Dep (2)
Sig Sec, Gen Dep (5)
Sig Dep (12)
WRAMC (1)
Army Pic Cen (2)
Sig FLDMS (2)
AMS (1)
USAERDAA (2)
USAERDAW (13)
Units organized under following TOE's (2 each):

11–57
11–85
11–86
11–87
11–95
11–97
11–98
11–99
11–117
11–127
11–155
11–157
11–357
11–377
11–500 (AA–AC)
11–587
11–592
11–597

*NG:* State AG (3); units—same as Active Army except allowance is one (1) copy each.
*USAR:* None.
For explanation of abbreviations used, see AR 320–50.



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NOTES:

1. ALL WIRES ARE NO.14 AWG UNLESS OTHERWISE SPECIFIED.
2. CIRCUIT BREAKERS 5 THROUGH 9 CONTROL THE EQUIPMENT OF SYSTEM 1
3. CIRCUIT BREAKERS 10 THROUGH 14 CONTROL THE EQUIPMENT OF SYSTEM 2
4. RESISTOR SYMBOL ~~~ ASSOCIATED WITH DS1 THRU DS15 IS PART OF LAMP.
5. REFER TO FLUORESCENT LIGHT FIXTURE SCHEMATIC-WIRING DIAGRAM.

C-6, power sche

TM5805-285-15-36

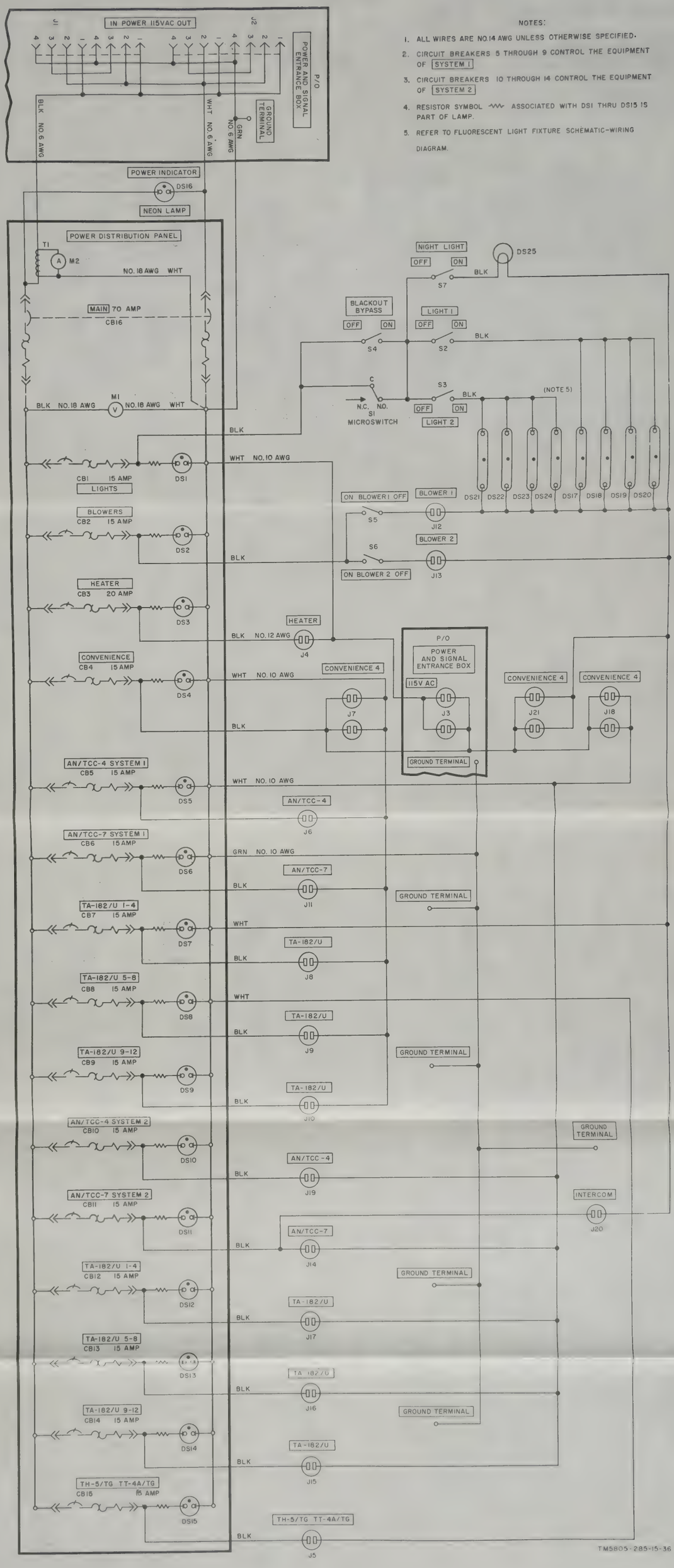
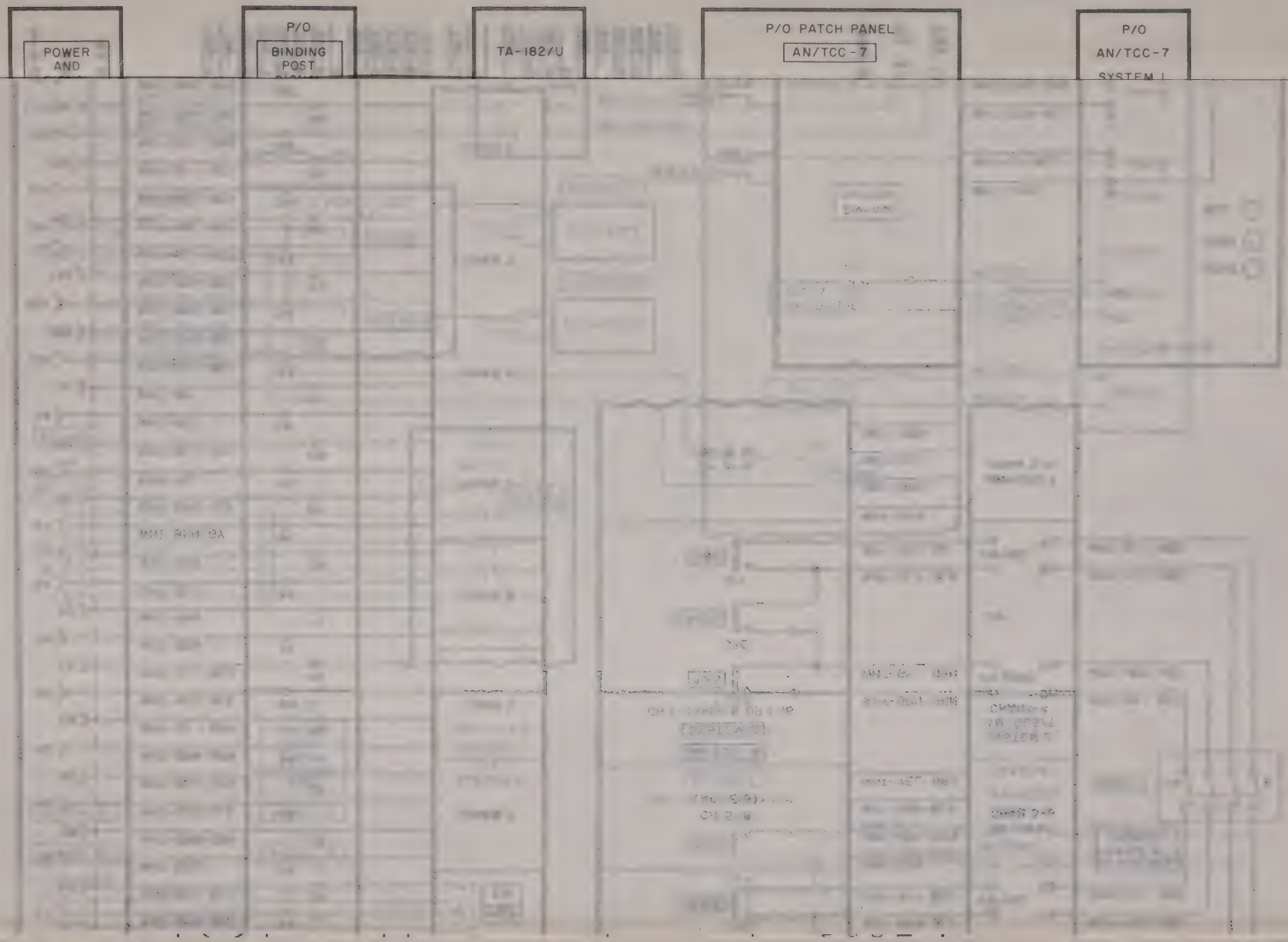



*Figure 39. Telegraph-Telephone Terminal AN/MCC-6, power schematic-wiring diagram.*


POWER AND
P/O BINDING POST
TA-182/U
P/O PATCH PANEL AN/TCC-7
P/O AN/TCC-7

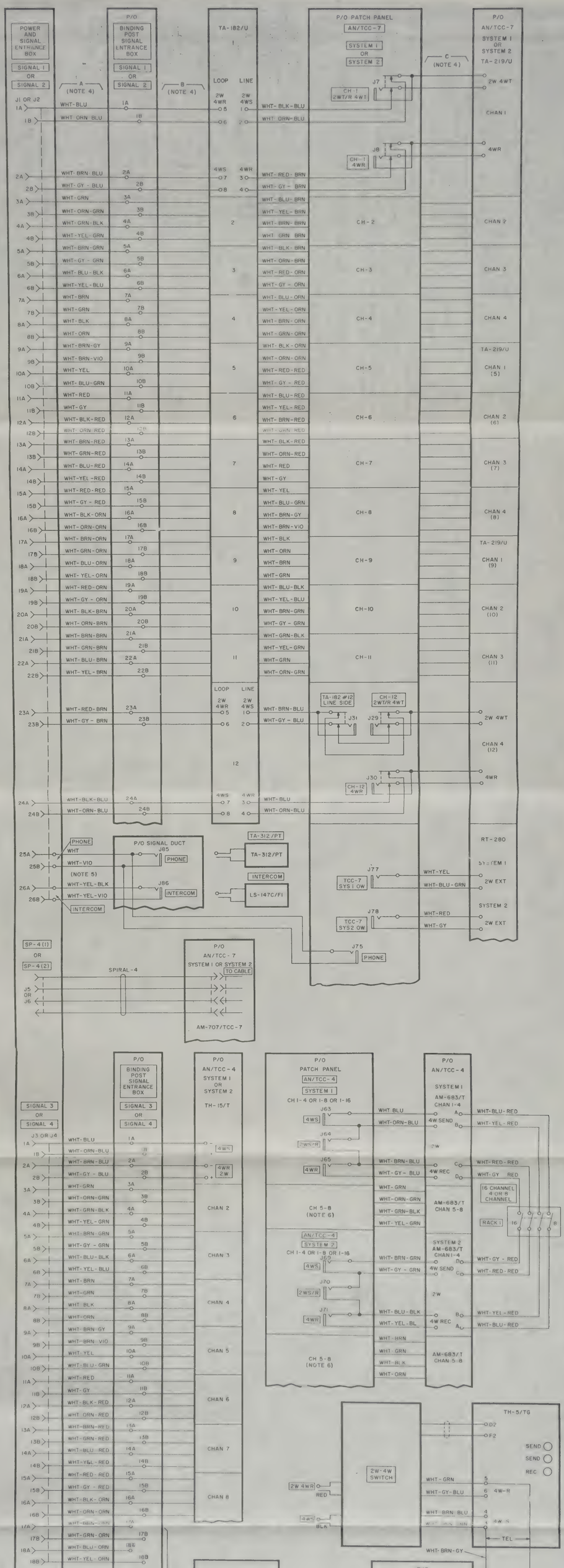



*Figure 9. Telegraph-Telephone Terminal (TT-Mx/G), signal schematic wiring diagram.*

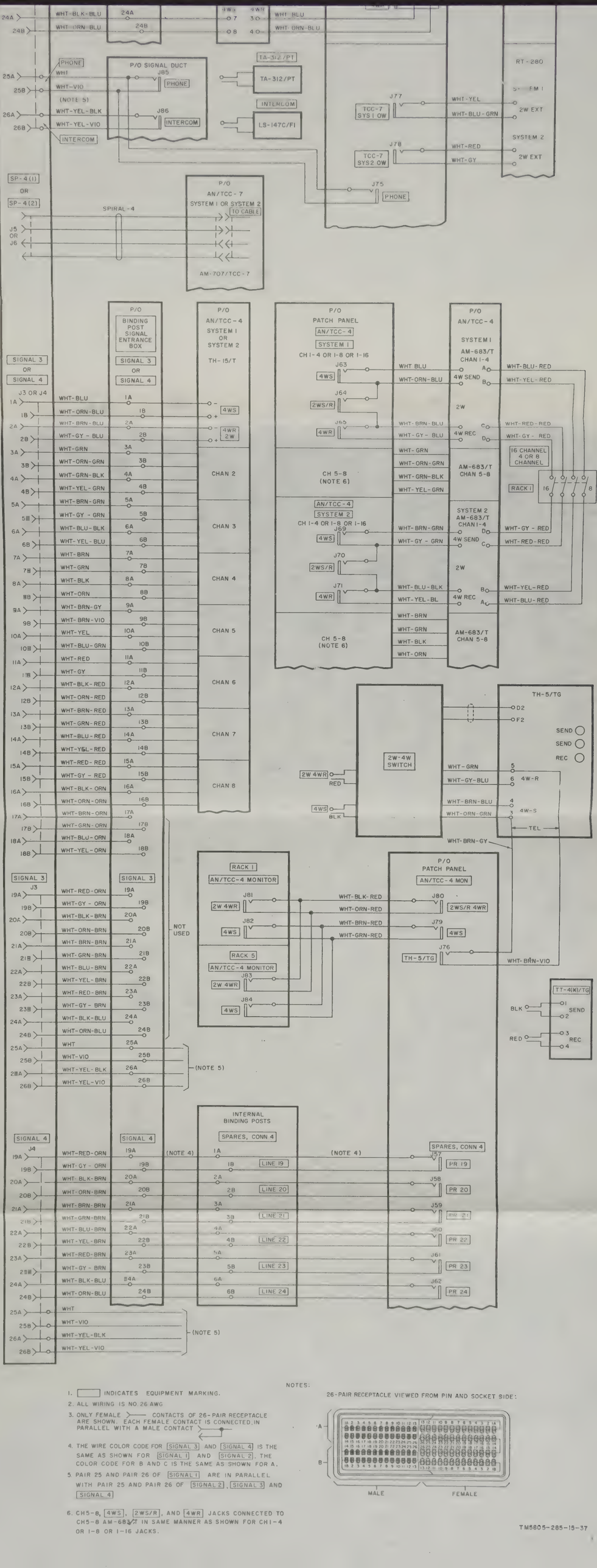



*Figure 40. Telegraph-Telephone Terminal AN/TCC-7, signal schematic-wiring diagram.*

NOTES:

1. [ ] INDICATES EQUIPMENT MARKING.
2. ALL WIRING IS NO 26 AWG
3. ONLY FEMALE ⟩— CONTACTS OF 26-PAIR RECEPTACLE ARE SHOWN. EACH FEMALE CONTACT IS CONNECTED IN PARALLEL WITH A MALE CONTACT —⟨
4. THE WIRE COLOR CODE FOR [SIGNAL 3] AND [SIGNAL 4] IS THE SAME AS SHOWN FOR [SIGNAL 1] AND [SIGNAL 2]. THE COLOR CODE FOR B AND C IS THE SAME AS SHOWN FOR A.
5. PAIR 25 AND PAIR 26 OF [SIGNAL 1] ARE IN PARALLEL WITH PAIR 25 AND PAIR 26 OF [SIGNAL 2], [SIGNAL 3] AND [SIGNAL 4]
6. CH5-8, [4WS], [2WS/R], AND [4WR] JACKS CONNECTED TO CH5-8 AM-683/T IN SAME MANNER AS SHOWN FOR CH1-4 OR 1-8 OR 1-16 JACKS.

26-PAIR RECEPTACLE VIEWED FROM PIN AND SOCKET SIDE:

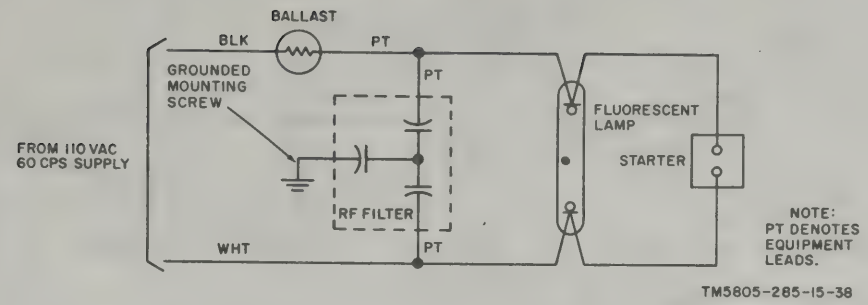



*Figure 41. Fluorescent light fixture, schematic-wiring diagram.*

## 69. Transportation

Telegraph-Telephone Terminal AN/MCC–6 can be transported by truck or helicopter. Refer to paragraph 26 for lifting loading, and unloading instructions.

**CAUTION: When transporting by air, the outside vent covers of the shelter must be opened to equalize the pressure inside and outside the shelter.**

## Section II. DEMOLITION OF MATERIEL TO PREVENT ENEMY USE

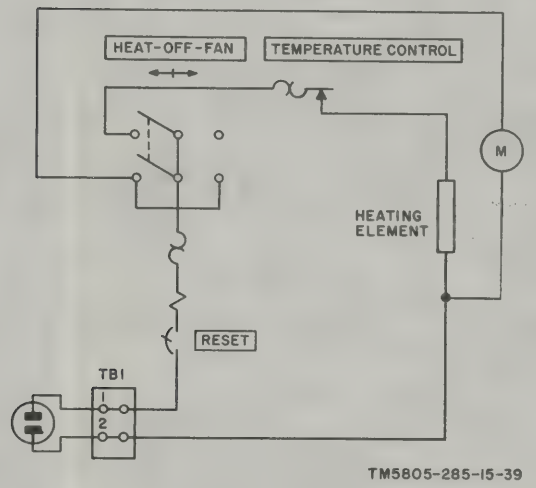



*Figure 42. Electric heater, wiring diagram.*

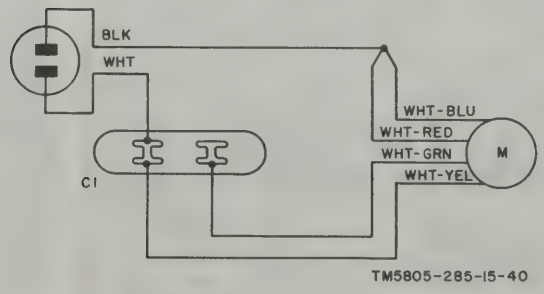



*Figure 43. Exhaust blower, wiring diagram.*

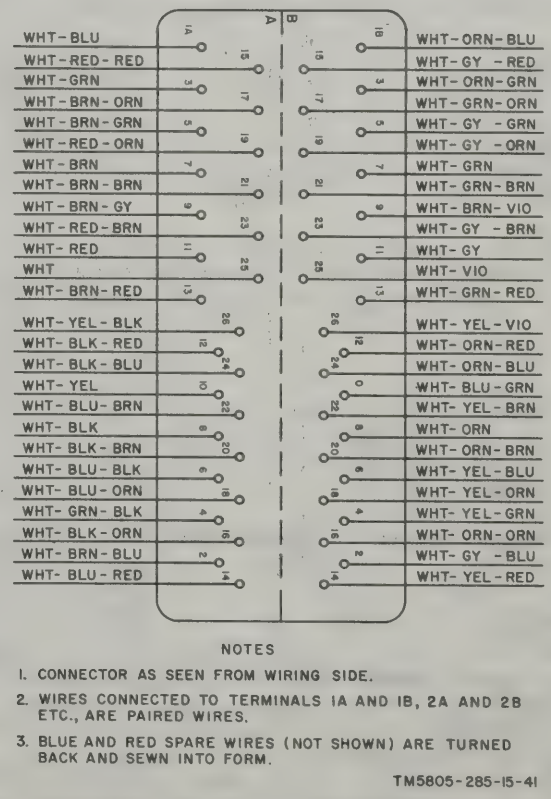



*Figure 44. 26-pair receptacle, wiring diagram.*

742-328 O - 64 - 6

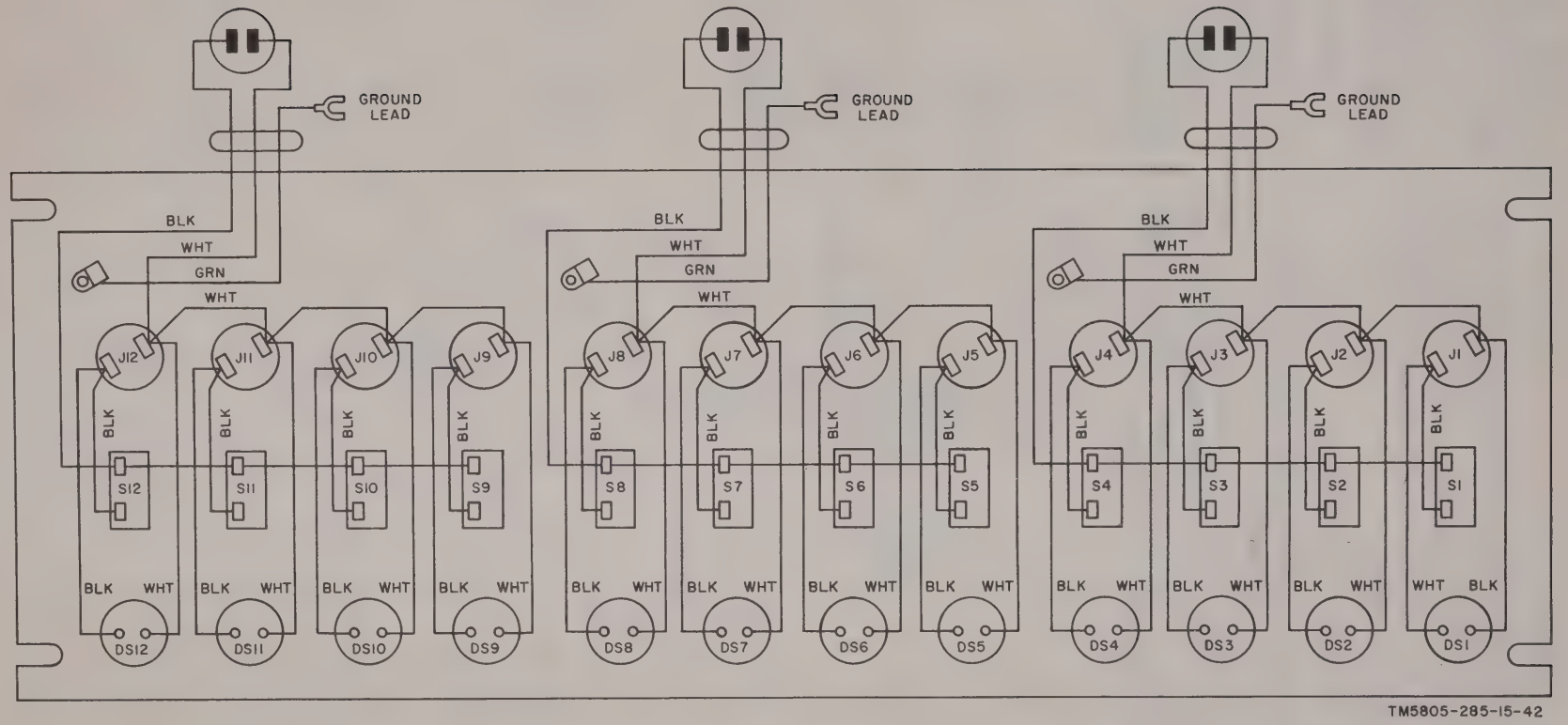



*Figure 45. TA-182/U SUB DISTRIBUTION PANEL, wiring diagram.*

## 70. Authority

Demolition of the equipment will be accomplished only upon the order of the commander. The destruction procedure outlined in paragraph 71 will be used to prevent further use of the equipment.

## 71. Methods of Destruction

Use any or all of the following methods to destroy the equipment.

*a. Smash.* Smash the controls, tubes, coils, relays, switches, capacitors, transformers, and meters; use the sledges, axes, handaxes, pickaxes, hammers, or crowbars.

*b. Cut.* Cut all cables and cords and slash the wiring on the components; use axes, handaxes, or machetes.

*c. Burn.* Burn cords and technical manuals; use gasoline, kerosene, oil, flamethrowers, or incendiary grenades.

*d. Bend.* Bend panels and cabinets.

*e. Explode.* If explosives are necessary, use firearms, grenades, or TNT.

*f. Dispose.* Bury or scatter the destroyed parts in slit trenches, foxholes, or throw them into streams.

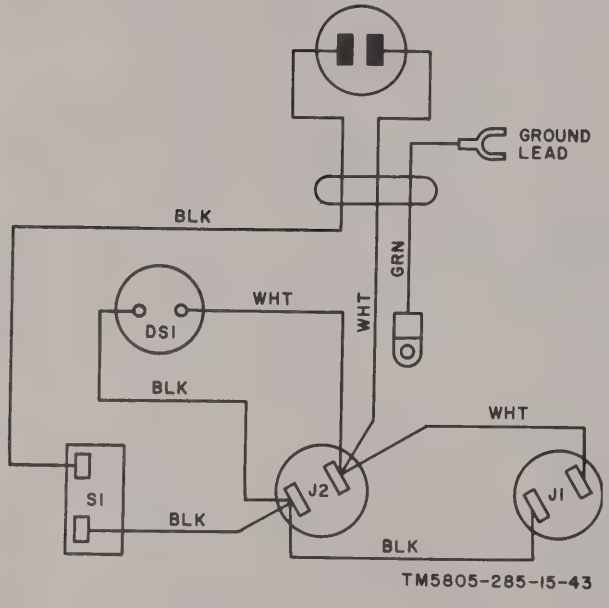



*Figure 46. TT-4A/TG-TH 5/TG switchbox, wiring diagram.*

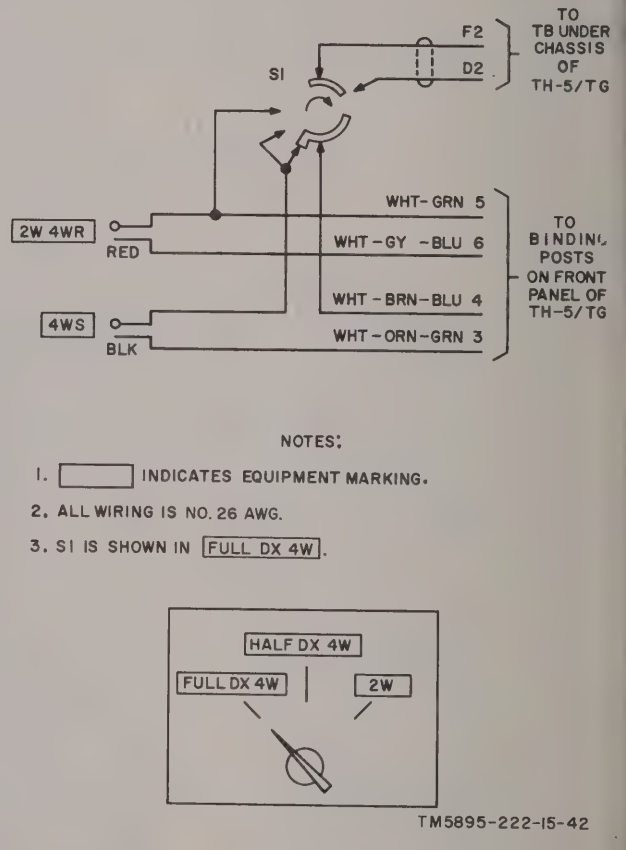
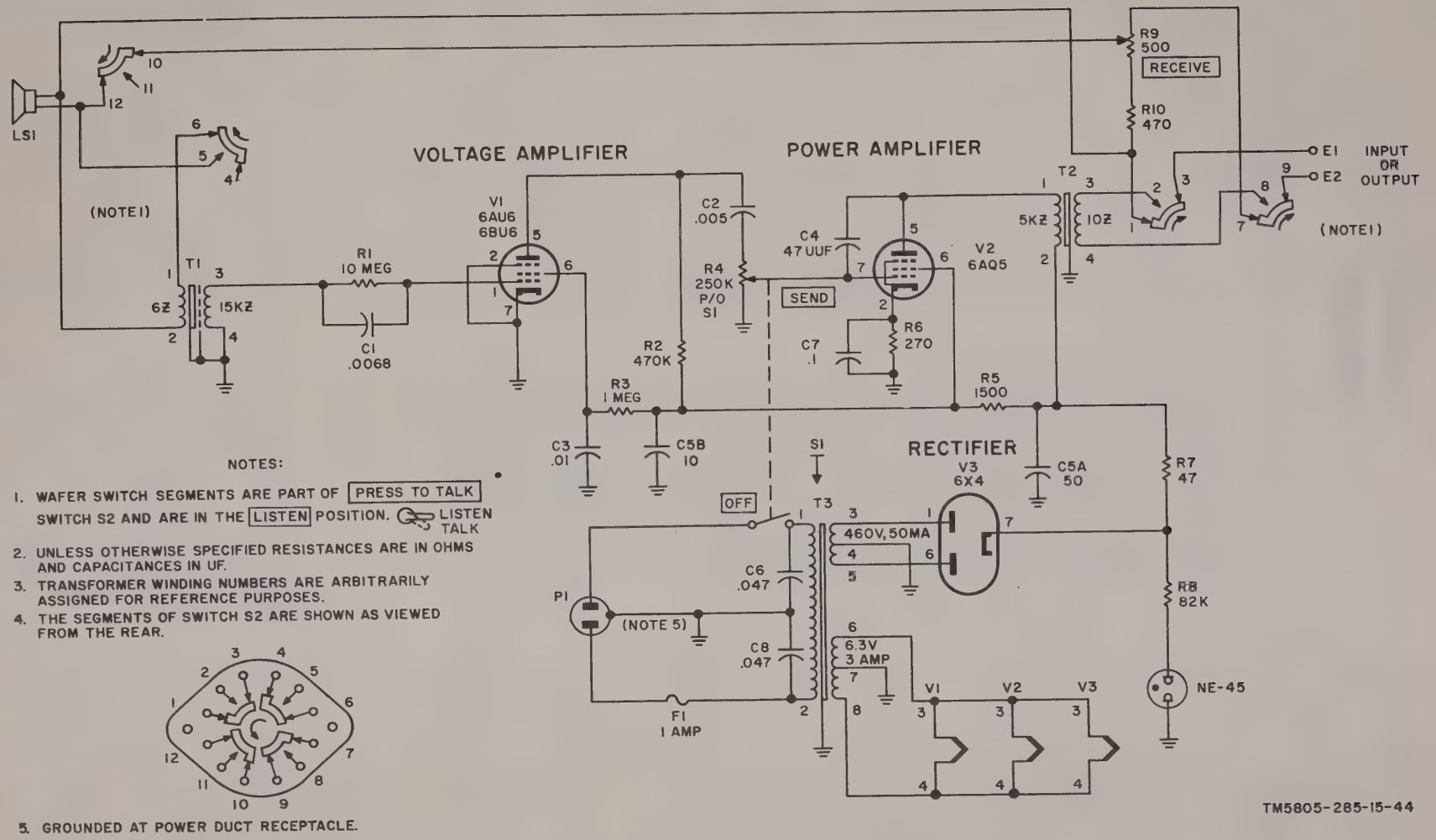



*Figure 47. 2W-4W switch, schematic-wiring diagram.*




NOTES:

1. WAFER SWITCH SEGMENTS ARE PART OF PRESS TO TALK SWITCH S2 AND ARE IN THE LISTEN POSITION. LISTEN / TALK
2. UNLESS OTHERWISE SPECIFIED RESISTANCES ARE IN OHMS AND CAPACITANCES IN UF.
3. TRANSFORMER WINDING NUMBERS ARE ARBITRARILY ASSIGNED FOR REFERENCE PURPOSES.
4. THE SEGMENTS OF SWITCH S2 ARE SHOWN AS VIEWED FROM THE REAR.



5. GROUNDED AT POWER DUCT RECEPTACLE.

*Figure 48. Intercommunication Station LS-147C/FI, schematic diagram.*

# APPENDIX I

## REFERENCES

| | |
|---|---|
| AR 320–5–1 | Dictionary of United States Army Terms |
| AR 320–50–1 | Authorized Abbreviations and Brevity Codes |
| AR 700–38 | Unsatisfactory Equipment Report (Reports Control Symbol CSGLD247(R2)) |
| AR 700–39 | Electronic Failure Report (Reports Control Symbol CSGLD–803) |
| AR 700–58 | Report of Damaged or Improper Shipment (Reports Control Symbol (CSGLD-66 (Army), BuSand A 4600–6 (Navy), Reports Control Symbol 4600–3 (Marine Corps), Air Force Exempt under para 7c(3), AFR 174–1)) |
| DA Pam 108–1 | Index of Army Motion Pictures, Film Strips, Slides and Phone Recordings |
| DA Pam 310-series | Military Publications Indexes (as applicable) |
| FM 21–5 | Military Training |
| FM 21–6 | Techniques of Military Instruction |
| FM 21–30 | Military Symbols |
| TM 11–381 | Cable Assembly CX–1065/G, Telephone Cable Assemblies CX–1606/G and CX–1512/U, Telephone Loading Coil Assembly CU–260/G, and Electrical Connector Plug U–176/G |
| TM 11–940A | Gasoline Engine Generator Set PU–286/G and PU–286A/G |
| TM 11–2138 | Terminal Box TA–125/GT; Telephone Repeating Coil Assembly TA–145/GT; Maintenance Kit MX–842/GT; and Switchboard Signal TA–123/GT |
| TM 11–2139–10 | Telephone Terminal AN/TCC–7; Operator's Manual |
| TM 11–2139–20 | Organizational Maintenance: Telephone Terminal AN/TCC–7 |
| TM 11–2139–20P | Organizational Maintenance Repair Parts and Special Tools List for Terminal, Telephone AN/TCC–7 |
| TM 11–2139–35 | Field and Depot Maintenance: Telephone Terminal AN/TCC–7 |
| TM 11–2139–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Telephone Terminal AN/TCC–7 |
| TM 11–2143 | Telephone Test Set TS–712/TCC–11 |
| TM 11–2150 | Telephone Carrier Systems Using Telephone Terminal AN/TCC–7, Telephone Repeater AN/TCC–8 (AN/TCC–21), Telephone Repeater AN/TCC–11 and |

| | |
|---|---|
| | Telephone Test Set TS–712/TCC–11 |
| TM 11–2155 | Telephone Set TA–312/PT |
| TM 11–2225 | Teletypewriter Sets AN/GGC–3 and AN/GGC–3A, and Teletypewriter Reperforator - Transmitters TT–76/GGC, TT–76A/GGC, and TT–76B/GGC |
| TM 11–5500 | Multimeter TS–297/U |
| TM 11–5805–201–12P | Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Telephone Set TA–312/PT |
| TM 11–5805–201–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Telephone Set TA–312/PT |
| TM 11–5805–224–10P | Operator Maintenance Repair Parts and Special Tools List for Telephone Modem TA–219/U |
| TM 11–5805–224–20P | Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for Telephone Modem TA–219/U |
| TM 11–5805–224–35P | Field and Depot Maintenance Repair Parts and Special Tools List for Telephone Modem TA–219/U |
| TM 11–5805–240–12 | Operator's and Organizational Maintenance Manual, Repeater, Telephone AN/TCC–11 |
| TM 11–5805–240–12P | Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart, Repeater, Telephone AN/TCC–11 |
| TM 11–5805–240–35 | Field and Depot Maintenance Manual, Repeater, Telephone AN/TCC–11 |
| TM 11–5805–240–35P | Field and Depot Maintenance Repair Parts and Special Tools List for Repeater, Telephone AN/TCC–11 |
| TM 11–5805–245–12P | Operator and Organizational Repair Parts and Special Tools List and Maintenance Allocation Chart for Power Supply PP–827/U |
| TM 11–5805–245–35P | Field and Depot Maintenance Repair Parts and Special Tools List for Power Supply PP–827/U |
| TM 11–5805–246–10 | Operator's Manual: Terminal, Telegraph TH–5/TG |
| TM 11–5805–246–12P | Operator's and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for Terminal, Telegraph TH–5/TG |
| TM 11–5805–246–20 | Organizational Maintenance Manual: Terminal, Telegraph TH–5/TG |
| TM 11–5805–246–35P | Field and Depot Maintenance Repair Parts and Special Tools List: Terminal, Telegraph TH–5/TG |
| TM 11–5805–247–10 | Operator Manual, Con- |

verter, Telegraph-Telephone Signal TA–182/U

TM 11–5805–247–12P Operator's and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for Converter, Telegraph - Telephone Signal TA–182/U

TM 11–5805–247–20 Organizational Maintenance Manual, Converter, Telegraph-Telephone Signal TA–182/U

TM 11–5805–247–35P Field and Depot Maintenance Repair Parts and Special Tools List: Converter, Telegraph - Telephone Signal TA–182/U

TM 11–5805–248–12P Operator's and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for power Supplies PP–826/U and PP–826A/U

TM 11–5805–248–35P Field and Depot Maintenance Repair Parts and Special Tools List for Power Supplies PP–826/U and PP826A/U

TM 11–5805–250–10 Operator's Manual: Telegraph Terminals AN/TCC–4 and AN/TCC–20

TM 11–5805–250–20 Organizational Maintenance: Terminals, Telegraph AN/TCC–4 and AN/TCC–20

TM 11–5805–250–20P Organizational Maintenance Repair Parts and Special Tools List for Telegraph Terminals AN/TCC–4 and AN/TCC–20

TM 11–5805–250–35 Field and Depot Maintenance: Terminals, Telegraph AN/TCC–4 and AN/TCC–20

TM 11–5805–250–35P Field and Depot Maintenance Repair Parts and Special Tools List for Telegraph Terminals AN/TCC–4 and AN/TCC–20

TM 11–5805–254–15 Operator's, Organizational, Field, and Depot Maintenance Manual, Terminal Telegraph - Telephone AN/TCC–14

TM 11–5805–254–15P Operator's, Organizational, Field and Depot Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for Terminal, Telegraph - Telephone AN/TCC–14

TM 11–5805–257–12P Operator's and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for Generators, Ringing Hand G–42/PT and G–42A/PT

TM 11–5805–257–35P Field and Depot Maintenance Repair Parts and Special Tools List for Generator, Ringing, Hand G–42/PT and G–42A/PT

TM 11–5815–206–12 Operation and Organizational Maintenance: Teletypewriter Set AN/PGC–1 and Teletypewriters TT–4A/TG and TT–4B/TG

TM 11–5815–206–12P Operator's and Organizational Maintenance Repair Parts and Special Tools List: Teletypewriter Set AN/PGC–1 including Teletypewriters TT–4A/TG and TT–4B/TG

TM 11–5815–206–35 Field and Depot Maintenance: Teletypewriter Set AN/PGC–1 and Teletypewriters TT–4A/TG and TT–4B/TG

TM 11–5815–206–35P Field and Depot Maintenance Repair Parts and Special Tools List: Teletypewriter Set AN/PGC–1 including Teletypewriters TT–4A/TG and TT–4B/TG

TM 11–5830–221–12 Operator's and Organizational Maintenance Manual: Intercommunication Station LS–147B/FI

TM 11–5830–221–12P Operator's and Organizational Maintenance Repair Parts and Special Tools Lists: Intercommunication Stations LS–147A/FI and LS–147B/FI

TM 11–5830–221–35 Field and Depot Maintenance Manual: Intercommunication Station LS–147B/FI

TM 11–5830–221–35P Field and Depot Maintenance Repair Parts and Special Tools List: Intercommunication Stations LS–147A/FI and LS–147B/FI

TM 11–5935–204–15P Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Connector, Plug, Electrical U–185A/G

TM 11–5935–205–15P Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Connector, Receptacle, Electrical U–187/G

TM 11–5965–216–15P Operator, Organizational, Field and Depot Maintenance Repair Parts and Special Tools and Maintenance Allocation Chart: Handset TS–9–F

TM 11–5965–224–12P Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Handsets H–60/PT and H–165/U

TM 11–5965–224–35P Field and Depot Maintenance Repair Parts and Special Tools List: Handsets H–60/PT and H–165/U

TM 11–6115–202–10P Basic Issue Items: Generator Set, Gasoline Engine PU–286/G Power Unit PG–197

TM 11–6625–321–12P Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Multimeter TS–297/U

TM 11–6625–321–35P Field and Depot Maintenance Repair Parts and Special Tools List: Multimeter TS–297/U

# APPENDIX II

# MAINTENANCE ALLOCATION

## Section I. INTRODUCTION

CH 7 7/DEC/65
Poste 27/Feb/66

### 1. General

*a.* This appendix assigns maintenance functions and repair operations to be performed by the lowest appropriate maintenance echelon.

*b.* Columns in Section II, maintenance allocation chart, are as follows:

(1) *Part or component.* This column shows only the nomenclature or standard item name. Additional descriptive data are included only where clarification is necessary to identify the part. Components and parts comprising a major end item are listed alphabetically. Assemblies and subassemblies are in alphabetical sequence with their components listed alphabetically immediately below the assembly listing.

(2) *Maintenance function.* This column indicates the various maintenance functions allocated to the echelon capable of performing the operations. These are as follows:

(*a*) *Service.* To clean, to preserve, and to replenish fuel and lubricants.

(*b*) *Inspect.* To verify serviceability and to detect incipient electrical or mechanical failure by scrutiny.

(*c*) *Test.* To verify serviceability and to detect incipient electrical or machanical failure by use of special equipment such as gages, meters etc.

(*d*) *Replace.* To substitute serviceable assemblies, subassemblies and parts for unserviceable components.

(*e*) *Rebuild.* To restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through the maintenance technique of complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

(3) *1st, 2d, 3d, 4th, 5th echelon.* The symbol X indicates the echelon responsible for performing that particular maintenance operation, but does not necessarily indicate that repair parts will be stocked at that level. Echelons higher than the echelon marked by X are authorized to perform the indicated operation.

(4) *Tools required.* This column indicates codes assigned to each individual tool equipment, test equipment, and maintenance equipment referenced. The grouping of codes in this column of the maintenance allocation chart indicates the tool, test, and maintenance equipment required to perform the maintenance function.

(5) *Remarks.* Entries in this column will be utilized when necessary to clarify any of the data cited in the preceding columns.

*c.* Columns in section III, allocation of tools for maintenance functions, are as follows:

(1) *Tools required for maintenance functions.* This column lists tools, test, and maintenance equipment required to perform the maintenance functions.

(2) *1st, 2d, 3d, 4th, 5th echelon.* A dag-

ger (†) indicates the echelons allocated the facility.

(3) *Tool code.* This column lists the tool code assigned.

(4) *Remarks.* Entries in this column are used to clarify data in the other columns.

## 2. Maintenance by Using Organizations

When this equipment is used by signal service organizations organic to theater headquarters or communication zones to provide theater communications, those maintenance functions allocated up to and including fourth echelon are authorized to the organization operating this equipment.

## 3. Mounting Hardware

The basic entries of the maintenance allocation chart do not include mounting hardware such as screws, nuts, bolts, washers, brackets, clamps, etc.

# Section II. MAINTENANCE ALLOCATION CHART

| (1) PART OR COMPONENT | (2) MAINTENANCE FUNCTION | (3) 1ST ECH. | (4) 2ND ECH. | (5) 3RD ECH. | (6) 4TH ECH. | (7) 5TH ECH. | (8) TOOLS REQUIRED | (9) REMARKS |
|---|---|---|---|---|---|---|---|---|
| TELEGRAPH-TELEPHONE TERMINAL AN/MCC-6 | | | | | | | | |
| | service | X | | | | | | Interior |
| | | | X | | | | | Exterior |
| | inspect | | X | | | | 2,3 | Interior and Exterior |
| | test | | X | | | | 1 | Continuity Shelter Signal and Power Circuits |
| | rebuild | | | | | X | 2,3 | |
| SHELTER, ELECTRICAL EQUIPMENT S-185/MCC-6 | rebuild | | | | | X | 2,3 | |
| BRACKETS AND BRACKET ASSEMBLIES | replace | | | | X | | | Fabricate |
| CABLE ASSEMBLIES | replace | | X | | | | | |
| CABLE | replace | | X | | | | 2,3 | |
| CONNECTORS | replace | | X | | | | 2,3 | See Separate MAC for U-185/G Connector |
| RESISTORS | replace | | X | | | | 2 | |
| CLOCK | replace | | X | | | | 2 | |
| CONDUIT ASSEMBLIES | | | | | | | | |
| BALLAST, LAMP | replace | | X | | | | 2 | |
| CONNECTORS, RECEPTACLE, ELECTRICAL | replace | | X | | | | 2 | |
| FILTERS, RADIO INTERFERENCE | replace | | X | | | | 2 | |
| JACKS, TELEPHONE | replace | | X | | | | 2 | |
| LAMPHOLDERS | replace | | X | | | | 2 | |
| LAMPS | replace | X | | | | | | |
| SHIELDS, ELECTRIC LIGHT | replace | | X | | | | | |
| STARTERS, LAMP, FLUORESCENT | replace | X | | | | | | |
| SWITCHES | replace | | X | | | | 2 | |
| CURTAINS, BLACKOUT | replace | | X | | | | 2 | |
| FANS, VENTILATING | | | | | | | | |
| CAPACITORS | replace | | X | | | | 2 | |
| CABLE, ELECTRICAL | replace | | X | | | | 2 | |
| CLAMPS, CAPACITOR | replace | | | | X | | | Fabricate |
| CONNECTORS, PLUG, ELECTRICAL | replace | | X | | | | 2 | |
| GASKETS | replace | | | X | | | | Fabricate |
| IMPELLER, FAN | replace | | X | | | | 2 | |
| MOTOR, A.C. | replace | | X | | | | 2 | |
| FUSEHOARD ASSEMBLY | replace | | | | X | | | Fabricate |
| HEATERS, SPACE, ELECTRICAL | | | | | | | | |
| CABLE, ELECTRICAL | replace | | X | | | | 2 | |
| CONNECTORS | replace | | X | | | | 2 | |
| GRIDS, HEATING ELEMENT | replace | | X | | | | 2 | |

| (1) PART OR COMPONENT | (2) MAINTENANCE FUNCTION | (3) 1ST ECH. | (4) 2ND ECH. | (5) 3RD ECH. | (6) 4TH ECH. | (7) 5TH ECH. | (8) TOOLS REQUIRED | (9) REMARKS |
|---|---|---|---|---|---|---|---|---|
| AN/MCC-6 (continued) | | | | | | | | |
| IMPELLER, FAN | replace | | X | | | | 2 | |
| MOTOR, A.C. | replace | | X | | | | 2 | |
| SWITCHES | replace | | X | | | | 2 | |
| LANTERN, ELECTRIC | | | | | | | | |
| BATTERIES, BA-30 | replace | X | | | | | | |
| LAMP, INCANDESCENT | replace | X | | | | | | |
| LIGHT, EXTENSION | | | | | | | | |
| LAMP, INCANDESCENT | replace | X | | | | | | |
| PANEL, POWER DISTRIBUTION | | | | | | | | |
| CIRCUIT BREAKERS | replace | | X | | | | 2 | |
| LAMPHOLDERS | replace | | X | | | | 2 | |
| LAMPS, GLOW | replace | X | | | | | | |
| METERS | replace | | X | | | | 2 | |
| TRANSFORMERS | replace | | X | | | | 2 | |
| PANEL, SIGNAL AND POWER ENTRANCE | | | | | | | | |
| CONNECTORS | replace | | X | | | | 2,3 | See Separate MAC for U-187/G Connector |
| GASKETS | replace | | | | X | | | Fabricate |
| POSTS, BINDING | replace | | X | | | | 2 | |
| PANEL, DISTRIBUTION, SUB | | | | | | | | |
| CABLE | replace | | X | | | | 2 | |
| CONNECTORS | replace | | X | | | | 2 | |
| LAMPS, GLOW | replace | X | | | | | | |
| LAMPHOLDERS | replace | | X | | | | 2 | |
| SWITCHES | replace | | X | | | | 2 | |

| (1) PART OR COMPONENT | (2) MAINTENANCE FUNCTION | (3) 1ST ECH. | (4) 2ND ECH. | (5) 3RD ECH. | (6) 4TH ECH. | (7) 5TH ECH. | (8) TOOLS REQUIRED | (9) REMARKS |
|---|---|---|---|---|---|---|---|---|
| AN/MCC-6 (continued) | | | | | | | | |
| RACKS, ELECTRICAL EQUIPMENT | | | | | | | | |
| JACKS, TELEPHONE | replace | | X | | | | 2 | |
| SWITCHES | replace | | X | | | | 2 | |
| SHELF ASSEMBLIES | replace | | | | X | | | Fabricate |
| SHELTER | rebuild | | | | | X | 2 | |
| DOOR ASSEMBLIES | | | | | | | | |
| FILTERS, AIR CONDITIONING | replace | | X | | | | 2 | |
| FRAME, AIR FILTER | replace | | | | X | | | Fabricate |
| GASKETS | replace | | | X | | | 2 | |
| GUARD, AIR FILTER | replace | | | | X | | | Fabricate |
| HANDLES, DOOR | replace | | X | | | | 2 | |
| HINGE ASSEMBLIES | replace | | X | | | | 2 | |
| LATCHES, DOOR | replace | | X | | | | 2 | |
| LOUVER ASSEMBLIES | replace | | | X | | | 2 | |
| PANELS, DUTCH DOOR | replace | | | | X | | 2 | |
| EYEBOLTS | replace | | X | | | | 2 | |
| LIFTS, TIE-EYE | replace | | | | X | | 2 | |
| MOLDINGS | replace | | | | X | | 2 | |
| PLUG, DRAIN | replace | | X | | | | 2 | |
| STEPS, FOLDING | replace | | X | | | | 2 | |
| TABLE TOP ASSEMBLIES | replace | | | | X | | | Fabricate |
| TACK BOARD ASSEMBLIES | replace | | | | X | | | Fabricate |
| TIE-DOWN ASSEMBLIES | replace | | | | X | | | Fabricate |

## Section III. ALLOCATION OF TOOLS FOR MAINTENANCE FUNCTIONS

| (1) TOOLS REQUIRED FOR MAINTENANCE FUNCTIONS | (2) 1ST ECH | (3) 2ND ECH. | (4) 3RD ECH. | (5) 4TH ECH | (6) 5TH ECH | (7) TOOL CODE | (8) REMARKS |
|---|---|---|---|---|---|---|---|
| AN/MCC-6 (continued) | | | | | | | |
| MULTIMETER AN/URM-105* | | † | † | † | † | 1 | * If not available use TS-297/U or TS-352/U |
| TOOL KIT, GENERAL MECHANIC | | † | † | † | † | 2 | |
| SOLDERING IRON TL-117 | | † | † | † | † | 3 | |

# APPENDIX III

## BASIC ISSUE ITEMS LIST FOR TELEGRAPH-TELEPHONE TERMINAL AN/MCC-6

CP7 7/Cecil/1
Posted 27/Feb/66

### Section I. INTRODUCTION

#### 1. Scope

This appendix lists items supplied for initial operation and for running spares. The list includes tools, accessories, parts, and material issued as *part of* the major end item. The list includes all items authorized for basic operator maintenance of the equipment. End items of equipment are issued on the basis of allowances prescribed in equipment authorization tables and other documents that are a basis for requisitioning.

#### 2. Columns

Columns in section II are as follows:

(1) *Source, maintenance, and recoverability code.* Not used.

(2) *Federal stock number.* This column lists the 11-digit Federal stock number. In the absence of a Federal stock number, an interim number, for example L9Wa94–90, in the "Description" column indicates that a Federal stock number is being processed for assignment. The L number may be used in emergencies to identify items.

(3) *Designation by model.* Not used.

(4) *Description.* Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description on the requisition.

(5) *Unit of issue.* The unit of issue is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.

(6) *Expendability.* Expendable items are indicated by the letter X; nonexpendable items are indicated by NX.

(7) *Quantity authorized.* Under "Items Comprising an Operable Equipment", the column lists the quantity of items supplied for the initial operation of the equipment. Under "Running Spares and Accessory Items", the quantities listed are those issued initially with the equipment as spare parts. The quantities are authorized to be kept on hand by the operator for maintenance of the equipment.

(8) *Illustrations.* Not used.

# Section II. BASIC ISSUE ITEMS LIST

| (1) SOURCE MAINTENANCE AND RECOVERABILITY CODE | (2) FEDERAL STOCK NUMBER | (3) DESIGNATION BY MODEL | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) EXPENDABILITY | (7) QUANTITY AUTHORIZED | (8) ILLUSTRATIONS FIGURE NO | (9) ILLUSTRATIONS ITEM NO |
|---|---|---|---|---|---|---|---|---|
| | | | ITEMS COMPRISING AN OPERABLE EQUIPMENT | | | | | |
| | | | TELEGRAPH-TELEPHONE TERMINAL AN/MCC-6 | | | | | |
| | | | TELEGRAPH-TELEPHONE TERMINAL AN/MCC-6: | ea | NX | | | |
| | Ord thru AGC | | TERMINAL MANUAL TM 11-5805-285-15 | ea | X | 2 | | |
| | 5805-263-3326 | | CONVERTER, TELEGRAPH-TELEPHONE SIGNAL TA-182/U | ea | NX | 28 | | |
| | 6110-649-8146 | | DISTRIBUTION BOX J-1077A/U | ea | NX | 1 | | |
| | 5915-356-2134 | | ELECTRICAL FILTER ASSEMBLY F-98/U | ea | X | 8 | | |
| | 6115-635-5614 | | GENERATOR SET, GASOLINE ENGINE, TRAILER MOUNTED PU-294/G | ea | NX | 1 | | |
| | 5830-752-5357 | | INTERCOMMUNICATION STATION LS-147C/F1 | ea | NX | 1 | | |
| | 5410-752-9661 | | SHELTER, ELECTRICAL EQUIPMENT S-185/MCC-6 | ea | NX | 1 | | |
| | 5805-543-0012 | | TELEPHONE SET TA-312/PT | ea | NX | 2 | | |
| | 5815-198-4438 | | TELETYPEWRITER SET TT-4A/TG | ea | NX | 1 | | |
| | 5805-537-7387 | | TERMINAL, TELEGRAPH AN/TCC-4 | ea | NX | 2 | | |
| | 5805-246-8734 | | TERMINAL, TELEGRAPH TH-5/TG | ea | NX | 1 | | |
| | 5805-503-1228 | | TERMINAL, TELEPHONE AN/TCC-7: (less case) | ea | NX | 1 | | |
| | 5805-503-1228 | | TERMINAL, TELEPHONE AN/TCC-7: (less 600-volt Power Supply PP-826/U) (less case) | ea | NX | 1 | | |
| | | | SHELTER, ELECTRICAL, EQUIPMENT S-185/MCC-6 | | | | | |
| | 4210-727-8111 | | AXE, PICK HEAD: 2 3/4 lbs, American Logging Tool Co pt No. 276 | ea | X | 1 | | |
| | 7520-753-4807 | | BASKET, WASTEPAPER: Erie Art Metal pt No. 36 | ea | X | 1 | | |
| | 7920-811-1614 | | BRUSH, DUSTING, BENCH: Osborn Mfg pt No. 378 | ea | X | 1 | | |
| | 5410-752-2435 | | CABLE ASSEMBLY AND REEL: 22 1/2 in dia x 7 1/2 in w, incl 1 ea Reel, Cable RC-435/U and 1 ea 100 ft per cable; St-Carl pt No. 666148-414 | ea | X | 1 | | |
| | 4940-752-2474 | | CABLE ASSEMBLY, POWER ELECTRICAL: 15 ft lg; 1 Hubbell type 9756 conn one end, 1 St Carl conduct outlet other end; St-Carl pt No. 666146-126 | ea | X | 1 | | |
| | 5995-752-2512 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, black cord; terminated each end with PJ-047B; 2 ft lg o/a; St Carl pt No. 666148-206 | ea | X | 3 | | |
| | 5995-752-2517 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, red cord; terminated each end with PJ-047B; 2 ft lg o/a; St Carl pt No. 666148-211 | ea | X | 3 | | |

| (1) SOURCE MAINTENANCE AND RECOVERABILITY CODE | (2) FEDERAL STOCK NUMBER | (3) DESIGNATION BY MODEL | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) EXPENDABILITY | (7) QUANTITY AUTHORIZED | (8) ILLUSTRATIONS FIGURE NO. | (9) ILLUSTRATIONS ITEM NO |
|---|---|---|---|---|---|---|---|---|
| | | | AN/MCC-6 (continued) | | | | | |
| | 5995-752-2516 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, black cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; St Carl pt No. 666148-207 | ea | X | 5 | | |
| | 5995-752-2515 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, red cord; terminated each end with PJ-047B; 2 ft 6 in lg o/a; St Carl pt No. 666148-212 | ea | X | 5 | | |
| | 5995-752-2498 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, black cord; terminated each end with PJ-047B; incl 5 DB pad; 2 ft 6 in lg o/a; St Carl pt No. 666148-232 | ea | X | 4 | | |
| | 5995-752-2499 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, red cord; terminated each end with PJ-047B; incl 5 DB pad; 2 ft 6 in lg o/a; St Carl pt No. 666148-237 | ea | X | 4 | | |
| | 5995-752-2496 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, black cord; terminated each end with PJ-047B; incl 5 DB pad; 4 ft 6 in lg o/a; St Carl pt No. 666148-233 | ea | X | 4 | | |
| | 5995-752-2495 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, red cord; terminated each end with PJ-047B; incl 5 DB pad; 4 ft 6 in lg o/a; St Carl pt No. 666148-238 | ea | X | 4 | | |
| | 5994-752-2514 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, black cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; St Carl pt No. 666148-209 | ea | X | 2 | | |
| | 5995-752-2513 | | CABLE ASSEMBLY, TELEPHONE: 2 cond, red cord; terminated each end with PJ-047B; 6 ft 6 in lg o/a; St Carl pt No. 666148-214 | ea | X | 1 | | |
| | 5995-682-3322 | | CABLE ASSEMBLY, TELEPHONE CX-4760/U: (15 ft stub) | ea | X | 1 | | |
| | 5995-681-8440 | | CABLE ASSEMBLY, TELEPHONE CX-4566/G: (250 ft) | ea | X | 1 | | |
| | 7105-792-6330 | | CHAIR, FOLDING: Emeco Corp pt No. 3501 | ea | X | 2 | | |
| | 6645-800-7094 | | CLOCK, AIRCRAFT, MECHANICAL: 3 in face; Wakman pt No. 118-12-24-W | ea | X | 1 | | |
| | 7210-753-3043 | | CUSHION, CHAIR: 16 1/2 in lg x 13 1/2 in w x 1 in thk; St Carl pt No. 666144-901 | ea | X | 2 | | |
| | 4210-270-4512 | | EXTINGUISHER, FIRE: Carbon Dioxide; Walter Kiddie model No. ST-2 | ea | X | 1 | | |
| | 4210-383-7128 | | EXTINGUISHER, FIRE: Carbon Dioxide; Walter Kiddie model No. 2 1/2 T-2 | ea | X | 1 | | |
| | 5120-408-1481 | | EXTRACTOR, ELECTRON TUBE: basket type; for 7 pin miniature; Kellems model No. TP-11-16 | ea | X | 1 | | |
| | 5120-293-2692 | | EXTRACTOR, ELECTRON TUBE: basket type; for 9 pin miniature; Kellems model No. TP-13-16 | ea | X | 1 | | |
| | 6645-752-7902 | | FAN, VENTILATING, PROPELLER: for exhaust; Rotron Mfg Co type No. KS802L | ea | NX | 2 | | |
| | 4130-765-2361 | | FILTER: p/o shelter; 19 3/4 in w x 15 3/4 in h x 1 7/8 in thk; Craig pt No. 15119P1 | ea | X | 1 | | |
| | | | FIRST AID KIT: Sig dwg SM-C-349935; ††L9Wa94-90 | ea | X | 1 | | |
| | | | GRIP, CABLE, JAW: bronze; approx 16 in lg; Economy model No. EQA (6-8P); ††L9Wa94-93 | ea | X | 13 | | |
| | | | GRIP, CABLE, JAW: bronze; approx 12 in lg; Economy model No. EQA (26S) ††L9Wa94-94 | ea | X | 12 | | |
| | 5120-251-4489 | | HAMMER, HAND: blacksmith double-face type; 8 lb; Woodings-Verona Tool Works pt No. 15 | ea | X | 1 | | |

| (1) SOURCE MAINTENANCE AND RECOVERABILITY CODE | (2) FEDERAL STOCK NUMBER | (3) DESIGNATION BY MODEL | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) EXPENDABILITY | (7) QUANTITY AUTHORIZED | (8) ILLUSTRATIONS FIGURE NO | (9) ILLUSTRATIONS ITEM NO |
|---|---|---|---|---|---|---|---|---|
| | | | AN/MCC-6 (continued) | | | | | |
| | 4520-224-7909 | | HEATER, SPACE, ELECTRIC: 115 vac; Electromode pt No. AAT-15A | ea | NX | 1 | | |
| | 5830-752-5357 | | INTERCOMMUNICATION STATION LS-147C/F1 | ea | NX | 1 | | |
| | 5120-224-2510 | | KEY, SOCKET HEADSCREW: for drain plug; 6 3/4 in lg o/a; Standard Pressed Steel Model Unbrako 5/8 | ea | X | 1 | | |
| | 5410-783-6680 | | LADDER, VEHICLE, BOARDING: aluminum; St Carl pt No. 666149-684 | ea | X | 1 | | |
| | 6230-729-9614 | | LANTERN, ELECTRIC: mtd on wall; Justrite pt No. 2106-7 | ea | X | 1 | | |
| | 4940-752-2525 | | LEAD, ELECTRICAL: used for grounding; 1 1/2 in w x 122 in lg o/a; St Carl pt No. 666147-682 | ea | X | 2 | | |
| | 6230-752-2479 | | LIGHT, EXTENSION: molder rubber handle w/25 ft cord; GE type 107-S | ea | X | 1 | | |
| | 5975-660-3662 | | ROD, GROUND: steel; 5 ft lg x 5/8 in dia; Hubbard pt No. 2665 | ea | X | 2 | | |
| | 6210-754-8134 | | SHIELD, LIGHT: for fluorescent; styrene; St Carl pt No. 666147-309 | ea | X | 8 | | |
| | 5410-805-5533 | | SLING, MULTIPLE LEG: for shelter lifting and tie down; Craig pt No. 14804G1 | ea | X | 1 | | |
| | | | STRAP ASSEMBLY, TIE DOWN: nylon webbing and steel; 72 5/8 in lg x 2 7/8 in w; Craig pt No. P/N-705 ††L9Wa94-245 | ea | X | 6 | | |
| | 5180-752-9778 | | TOOL ROLL, MAINTENANCE: 27 in w x 19 1/2 in lg; St Carl pt No. 666156-372 | ea | X | 1 | | |
| | | | RUNNING SPARES AND ACCESSORY ITEMS | | | | | |
| | | | TELEGRAPH-TELEPHONE TERMINAL AN/MCC-6 | | | | | |
| | 5120-793-2027 | | HANDLE, HAMMER: hickory; 30 in lg; Woodings-Verona Tool Works pt No. AW-30 | ea | X | 1 | | |
| | 6240-538-8447 | | LAMP, FLUORESCENT: 20 w; 24 in lg; Sylvania pt No. F20T12/SW | ea | X | 2 | | |
| | 6240-299-5876 | | LAMP, GLOW: MIL type NE-34 | ea | X | 1 | | |
| | 6250-179-1814 | | LAMP, GLOW: MIL type NE-45 | ea | X | 6 | | |
| | 6240-155-7786 | | LAMP, INCANDESCENT: for lantern; 2.4 v; GE pt No. PR-2; (mtd behind reflector) | ea | X | 1 | | |
| | 6240-143-3070 | | LAMP, INCANDESCENT: 50 w; GE pt No. 50A/RS | ea | X | 1 | | |
| | 5410-783-6250 | | REPAIR KIT, ELECTRICAL EQUIPMENT, SHELTER: to repair punctures to shelter skin DeLorme 1 nd pt No. 711 | ea | X | 1 | | |
| | 6250-299-2884 | | STARTER, FLUORESCENT LAMP: Bryant Elec pt No. FS-2 | ea | X | 6 | | |

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SEE change #1 7 Dec 65
dated 21 Feb 66

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*NG:* None.

*USAR:* None.

For explanation of abbreviations used, see AR 320–50.



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