

PANELS

583 AND 584 TYPES

IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 The 583A and 584A panels are designed for use at large centralized installations of 1A2 key telephone system equipment.

1.02 Each panel is 4 by 23 inches in size and is arranged with small wire-wrap terminal strips, fuses, and line circuit multicontact receptacles. Station and feeder cables are connected to the wire-wrap (302A) terminal blocks by means of an approved wire-wrapping tool.



Plant Sections 069-132-811, 069-120-811, 075-120-701, and 074-820-101 provide reference guides to tool identification, parts, operational requirements, and ordering information.

1.03 Each panel is wired by the factory so that all common circuit leads like LF, LW, etc, are interconnected among the line card receptacles and terminated on individual terminal blocks serving two connector jacks each. These common circuit leads are wired into two groups and can be associated with separate common equipment, or included as part of other grouped lines served by another panel of plug-in circuits.

1.04 The panels may be interconnected to each other by provision of common lead appearances on the terminal block designated G of each panel. The 583A panel may be connected to a 584A panel so that the use of the KS-15900 L1 interrupter, supplied as part of the 584A panel, may be used as common equipment for both panels.

1.05 The 583A panel (Fig. 1) handles 15 plug-in 400-type KTUs and does not contain an interrupter. Common leads (LF, LW, etc) may be interconnected to

comparable terminal leads in the 584A panel or may be connected to separately located 232-type KTUs.

1.06 The 584A panel (Fig. 2) accommodates 13 plug-in 400-type KTUs and is equipped with a plug-in KS-15900 L1 interrupter.

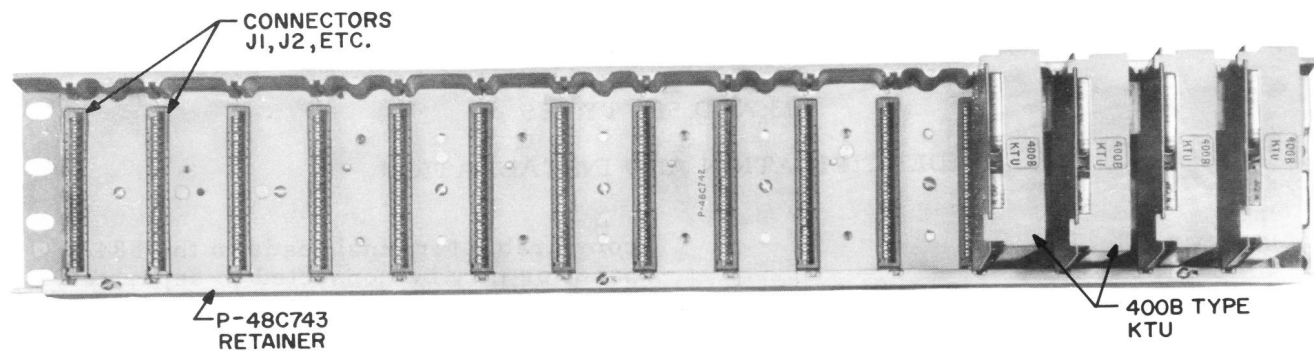
1.07 Station lamp leads, relay operating and intercom talking battery fuses also are supplied on the rear of each panel.

1.08 Fusing supplied on the rear of each panel consists of 10 cartridge-type fuses arranged as follows:

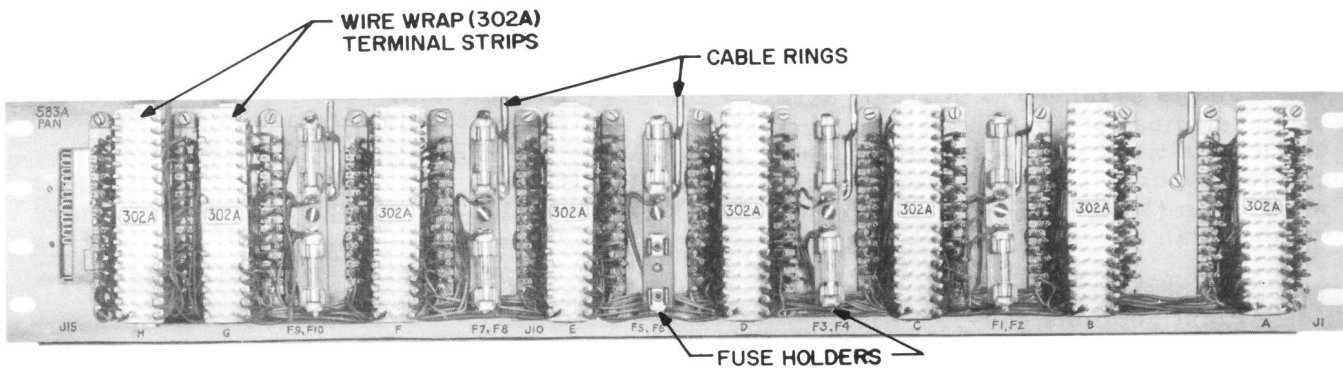
- 2 - 2-amp fuses for LF leads
- 2 - 2-amp fuses for LW leads
- 2 - 2-amp fuses for steady 10-volt lamp supply
- 2 - 1-amp fuses for 24-volt dc relay battery
- 1 - 1-amp fuse for 24-volt dc talk battery
- 1 - Fuse unoccupied (spare).

The fuses serve two line groups per panel, that is, lines 1 through 8 and 9 through 13 on the 584A panel and lines 1 through 8 and 9 through 15 on the 583A panel.

1.09 Leads from the receptacle of each line, as well as common leads, are terminated on wire-wrap terminals (302A) designated A through H on the 583A panel and A through G on the 584A panel. Common leads of the interrupter (584A panel) or externally mounted KS interrupters (583A panel) occupy a portion of terminal block G on both panels as well as jack No. 13.



Front View



Rear View

Fig. 1 - 583A Panel, Equipped with 400-Type KTUs

1.10 400-type central office or PBX line circuit KTUs may be inserted in any line jack receptacle of either panel. The manual intercom card (401A KTU) can be plugged into any receptacle position except jack No. 13. Lock all KTUs in position with the slide bar retainer furnished with the 583A and 584A panels.

1.11 The provision of an intermediate quick connect terminal, distribution frame, or equivalent between the 583A and/or 584A panel installation and the building equipment cabling system is recommended. By establishing such a cross-connect distributing field, additions, changes, or removal of lines or stations are greatly enhanced - particularly when coupled with the ability to provide plug-in line circuit KTUs only when and as required.

2. INSTALLATION

2.01 The 583A and 584A panel will mount on any frame structure having a 23-inch wide space. Typical apparatus mount-

ing, relay rack, etc, are covered in section entitled Equipment Cabinets and Apparatus Mountings - Identification.

2.02 Cabling to these units shall be along the top of each panel and fanned through factory supplied distributing rings to avoid congestion with factory wiring.

2.03 Key telephone or THE CALL DIRECTOR sets wired for A lead control must be used with 400-type KTUs mounted in these panels. The 400 series KTUs are not furnished as part of the 583A and 584A panels and must be ordered separately and plugged in as required.

2.04 Wire all station equipment in accordance with existing practices. Not more than 20 lamps shall be connected to any line circuit unit, nor more than 50 lamps per KS-15900 L1 interrupter contact.

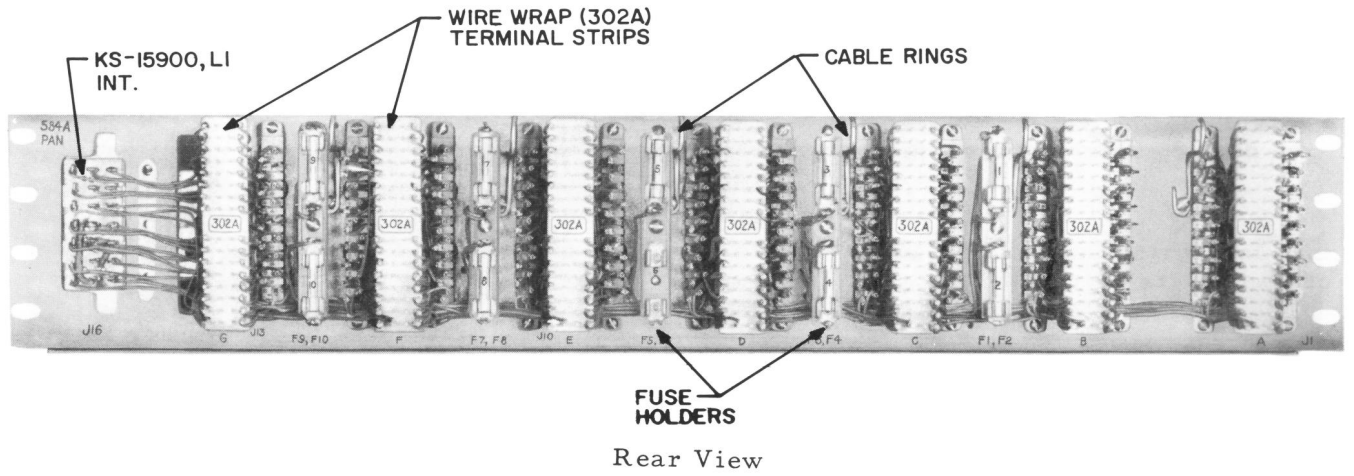
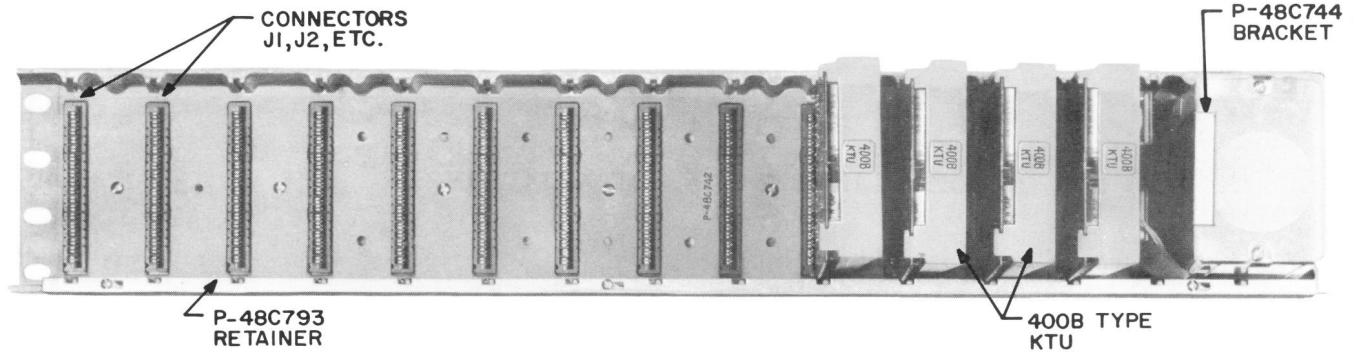


Fig. 2 - 584A Panel, Equipped with 400-Type KTUs