

KEY SERVICE UNITS 501- AND 502-TYPE IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 This section is reissued to:

- Add 24-volt dc interrupter, KS-19385, List 1 (MD) and KS-19385, List 2.
- Add 400D KTU as replacement for 400A, 400B, and 400C which are MD.

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

2. IDENTIFICATION

PURPOSE

2.01 These units are factory wired 6-line capacity 1A2 Key Telephone System packages (Fig. 1) arranged to receive plug-in type 400 series key telephone units (KTUs). Information concerning individual 400 series KTUs can be found in section covering each unit.



The 400 series KTUs are not furnished as part of the KSUs and must be ordered separately as required.

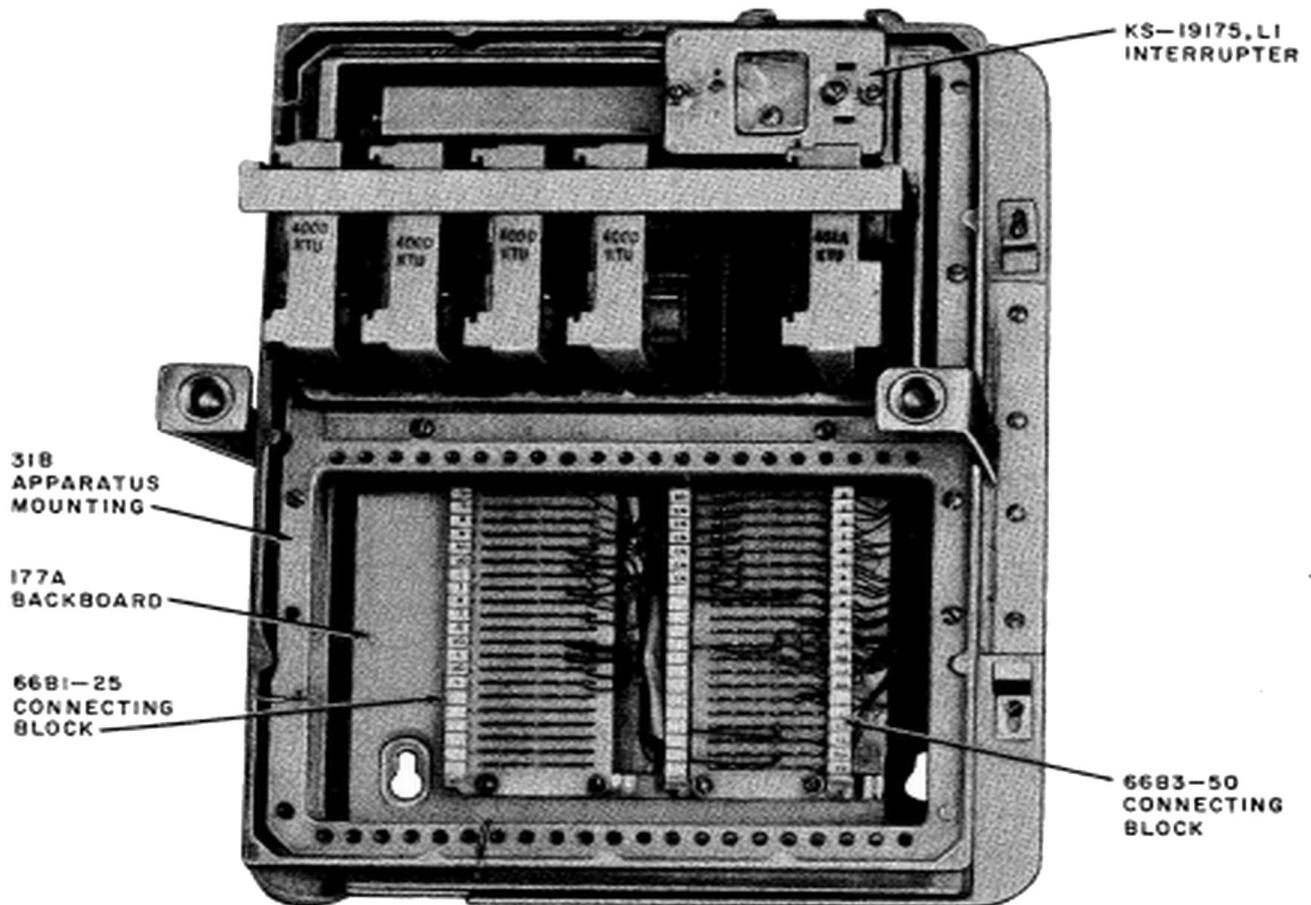


Fig. 1—501-Type KSU, Front View With Cover Removed

2.02 Table A provides a key reference for individual KSU packages.

TABLE A
501- AND 502-TYPE KSUS

| PACKAGE DESIGNATION | 9-STA DIAL INTERCOM 207C KTU | POWER PLANT J86731D3 LIST 1 | 116A COVER | ED-69462-50 FLOOR STAND (WITH COVER) | 1-66B1-25 1-66B3-50 CONN BLOCKS | A75A CONN CABLE | 31B APP MTG | 177A BACK-BOARD | KS-19175, L1 INTERRUPTER |
|---------------------|------------------------------|-----------------------------|------------|--------------------------------------|---------------------------------|-----------------|-------------|-----------------|--------------------------|
| 501A1 | | | | | • | | • | • | • |
| 501A1D | • | | | | • | | • | • | • |
| 501A2 | | | • | | • | | • | • | • |
| 501A2D | • | | • | | • | | • | • | • |
| 501A3 | | | | • | • | | • | • | • |
| 501A3D | • | | | • | • | | • | • | • |
| 501A4 | | • | | • | • | | • | • | • |
| 501A4D | • | • | | • | • | | • | • | • |
| 502A3D | • | | | • | • | • | • | • | • |
| 502A4D | • | • | | • | • | • | • | • | • |

ORDERING GUIDE

Unit, Service, Key—Table B

TABLE B

| UNIT, SERVICE, KEY | REPLACEABLE COMPONENTS | | | | |
|--------------------|---------------------------|-------------------------------|------------------------------|------------------------------------|-------------------------------|
| | UNIT, TELEPHONE KEY, 207C | PLANT, POWER J86731D3, LIST 1 | INTERRUPTER KS-19175, LIST 1 | INTERRUPTER* KS-19385, LIST 1 (MD) | INTERRUPTER* KS-19385, LIST 2 |
| 501A1 | | | • | • | • |
| 501A1D | • | | • | • | • |
| 501A2 | | | • | • | • |
| 501A2D | • | | • | • | • |
| 501A3 | | | • | • | • |
| 501A3D | • | | • | • | • |
| 501A4 | | • | • | • | • |
| 501A4D | • | • | • | • | • |
| 502A3D | • | | • | • | • |
| 502A4D | • | • | • | • | • |

*Optional for 24-volt dc operation.

(a) *Associated Apparatus (order separately)*

- Unit, Telephone, Key, 400A (MD), 400B (MD), 400C (MD), 400D
- Unit, Telephone, Key, 401A

DESIGN FEATURES

- (a) The prewired package capacity, at the connecting blocks, is 1 to 6 Central Office or PBX lines, plus dial intercom (optional).
- (b) When manual intercom service is to be furnished, the total line capacity is reduced by one for each 401A KTU installed.
- (c) Spare mounting space on the lower half of the 31B apparatus mounting can be used for installing additional miscellaneous angle-bracket or panel-type KTUs. Refer to Section 518-110-100.
- (d) Preprinted aluminum foil pressure-sensitive tapes are provided on each 66-type connecting block to designate service feature leads and wiring connections.
- (e) The two 502 series KSUs include a length of A75A connector cable, factory terminated on the 66-type connecting blocks. Telephone sets may be plugged in these packages directly

or extended by use of connector cables and/or adapters.

- (f) A 24-volt dc operated KS-19385, List 1 (MD) or List 2 interrupter can be substituted for the one furnished with the KSU at locations where only 24-volt dc power is used.

3. INSTALLATION

- 3.01** Refer to Sections 463-140-200 and 518-110-200 for mounting information.
- 3.02** Cables and wire may enter the KSU from the top or bottom.
- (1) Use a 714-type tool for terminating wire in connecting block clips. See Section 461-616-101.
- (2) Dress wires along the side of the connecting blocks.
- 3.03** Connect to an external power source if power plant is not supplied as part of the package.
- Note:* The 101G-type power plant can furnish dc power to only one 501- or 502-type KSU.
- 3.04** Ground the power plant in accordance with Section 638-210-100.
- 3.05** Refer to Section 518-250-401 for connections.