

## J53051A EQUIPMENT BAY 1P2 KEY TELEPHONE SYSTEM IDENTIFICATION AND INSTALLATION

### 1. GENERAL

**1.001** This addendum supplements Section 518-800-120, Issue 1.

**1.002** This addendum is issued to provide for the use of fuses on video pairs to protect the PICTUREPHONE<sup>®</sup> cable equalizers from damages due to the accidental application of foreign voltages.

### 3. INSTALLATION

The following change applies to Part 3 of the section.

(a) Caution and 3.08 added

**Caution:** *PICTUREPHONE<sup>®</sup> cable equalizers may be damaged if a foreign voltage is accidentally applied to the video pairs. Protection measures require that fuses be installed on video pairs on the outside plant side of the PICTUREPHONE cable equalizers located in PBX, KTS, and non-KTS station set service units. Dedicated cable and/or special service protection [refer to 460 Division section entitled: Special Safeguarding Measures (SSM) and Special Service Protection (SSP)] should be provided to prevent the accidental application of hazardous potentials. Intermediate equalizers on customer premises should have 60-type fuses in series with tip and ring of the video pairs which terminate at the input and output of equalizers when exposure to foreign potential is present.*

**3.08** Fuses are required for PICTUREPHONE equalizers located on customer premises for both exposed and unexposed underground plant. To obtain required protection in the building cable, these fuses should be located as close as is practical to the equalizers. The interim methods for providing the necessary protection with 60-type fuses are as follows:

- (a) For unexposed plant, mount 60D fuses with 14A fuse holders on a 57A2A-6, 57A2B-10, or 57A2B-16 connecting block equipped with 2AID (dummy) protector units. ***The fuses should be located as close to the equalizers as is practical.***
- (b) For exposed plant with the station protection located at the building entrance terminal, add the fuses separately, close to the equalizers, as in (a).
- (c) For exposed plant with existing station protected terminals equipped with binding posts, mount the 60D fuses with 14A fuse holders on the existing protected terminal blocks.
- (d) For new construction with exposed plant, the 134A1A protectors or 1A4A-type terminal blocks are recommended to provide station protection. Add the required fuses as in (b) or (c), as appropriate.
- (e) As an alternate method for (a), 60A fuses mounted on 57A2-10 or 57A2-16 connecting blocks or on a P46L859 terminal block assembly (a piece part of the 104-type wire terminal) may be used. It is recommended that only every other binding post be used to provide adequate separation between the 60A fuse spade tips.