

Classification: A1

Billable to Telco: Yes X No       

**APPARATUS AFFECTED:** All ASR 33 Teletypewriter-Sets (Power Pack Assembly and Tape Reader).

TP182266 Modification Kit to Convert 33A1 KSR Set to 33C1 ASR Set.

TP183128 Modification Kit to Convert 33C Printer for Automatic Reader Control.

TP182134, TP182149 and TP186480 Power Pack Assemblies.

**PART AFFECTED:** TP143630 Fuse (3/4 Amp)  
TP171593 Fuse (1/2 Amp)  
TP183079 Circuit Card  
TP183087 Circuit Card  
TP186479 Circuit Card

**REASON FOR REISSUE:** To change classification from B1 to A1 (to assure all sets in repair centers conform to FINAL CHANGE).

**REASON:** Interim Change - To prevent possible damage to the rectifier diode bridge of the power pack assembly when the tape reader feed magnet terminals are accidentally shorted to ground.

Final Change - To rescind the interim change (the 3/4 amp fuse is necessary to absorb the momentary current surge during initial charging of the capacitor) and to prevent possible shorting to ground of the tape reader feed magnet terminals.

**INTERIM CHANGE:** The TP143630 fuse (3/4 ampere, fast-acting), which is F1 on the TP183079 or TP183087 circuit card in the power pack assembly, is replaced by the TP171593 fuse (1/2 ampere, fast-acting).

The fuse rating is changed from 3/4 A. F. B. to 1/2 A. F. B. on the circuit cards and on schematic wiring diagram 7882WD, Sheet B9, Issue 4, Area D-7, F1.

**FINAL CHANGE:** (1A) The TP171593 fuse (1/2 ampere, fast-acting), which is F1 on the TP183079, TP183087 or TP186479 circuit card in the power pack assembly, is replaced by the TP143630 fuse (3/4 ampere, fast-acting).

The fuse rating is changed from 1/2 A. F. B. to 3/4 A. F. B. on the circuit cards and on schematic wiring diagram 7882WD, Sheet B9, Issue 6, Area D-7, F1.

(1B) On the tape reader cable, the two terminals on the two leads that connect to the 277M magnet coil (part of the tape reader feed magnet assembly) are covered with 3/4-inch long heat shrink tubing. See SUPPLEMENTAL INFORMATION (1).

**PUBLICATION AFFECTED:** See SUPPLEMENTAL INFORMATION (2), (3) and (4).

**IDENTIFICATION:** The fuse rating is stamped on each fuse.

New-style tape readers have heat shrink tubing on the terminals that connect to the 277M magnet coil, whereas old-style tape readers do not.

Appendix 1, Section 574-100-401, Issue 4  
Teletypewriter Change Notice  
TCN 1140 Issue 3  
February, 1971

**INTERCHANGEABILITY:** The TP143630 and TP171593 fuses are physically interchangeable; however, the TP143630 fuse (3/4 amp, fast-acting) should be used. See SUPPLEMENTAL INFORMATION (1).

**PARTS AVAILABILITY:** The TP143630 fuse is available.

**SUPPLEMENTAL INFORMATION:** (1) For field application, FINAL CHANGE (1B) can be effected by insulating the two terminals on the tape reader cable using two TP183114 insulating sleeves (3/4-inch long, flexible vinyl plastic tubing). To prevent the TP183114 insulating sleeve slipping back off the terminal, the sleeve should be tied to the terminal. See illustration on Attachment Sheet 1.

(2) The tape reader feed magnet assembly is illustrated in Section 574-124-800, Issue 3, Page 3, Figure 2; however, the tape reader cable is not illustrated.

(3) The TP186480 power pack assembly, which contains the TP186479 circuit card and is used on 33TDA and 33TDB Teletypewriter-Sets (DATREX SERVICE), is not illustrated in Section 574-126-800, Issue 4; however, the TP182134 and TP182149 power pack assemblies are shown on Page 10, Figure 9.

(4) This change is reflected in Section 574-100-401, Issue 4, 7882WD and Circuit Card Drawings 183079, 183087 and 186479.

**REFERENCES:** None

**TCN INDEX CLASSIFICATION:** 33 AH 07

Attached Sheet 1

