

**J99343BG 4-4 WIRE PASSIVE TRANSMISSION UNIT
WITH SEALING CURRENT
INSTALLATION AND TESTING
METALLIC FACILITY TERMINAL**

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1. GENERAL

1.01 This section presents the installation and maintenance procedures for the Metallic Facility Terminal (MFT) 4-4 Wire Passive Transmission Unit, J99343BG.

1.02 Whenever this section is reissued, the reason(s) for reissue will be given in this paragraph.

1.03 The J99343BG unit shown in Fig. 1 provides transmission level control, impedance matching, signaling lead access, and sealing current for application between terminal equipment or nonloaded facility on the A-Side and loaded or nonloaded facility on the B-Side. More detailed descriptive information on this unit is provided in Section 332-912-105.

2. INSTALLATION

A. Mounting Arrangements

2.01 This unit can be used in either a single- or double-module mounting arrangement. It can be mounted in any slot of a single-module shelf or in the transmission slot of a double-module shelf. In double-module applications, the transmission unit may be used with or without a companion signaling unit. Section 332-910-101 contains additional information on MFT mounting arrangements.

2.02 Figure 1 shows the location of the individual unit controls. These controls must be set properly prior to the installation of this unit. The settings are determined by circuit application and are to be supplied by the local circuit layout organization.

B. Unit Controls—J99343BG

2.03 The switches for a particular function are operated when actuated either toward the respective designation or as indicated on the switch. Figure 2 and Tables A, B, and C provide procedural information to aid in setting the transmission controls of the J99343BG unit. Figures 3 and 4 provide information in setting the signaling switches with and without the companion signaling unit, respectively, of the J99343BG unit. For more descriptive information on the unit controls see Section 332-912-105.

3. TESTS AND ADJUSTMENTS

Alignment Sequence

3.01 This unit requires no additional installation adjustments other than the initial unit control settings covered in Part 2 of this section.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

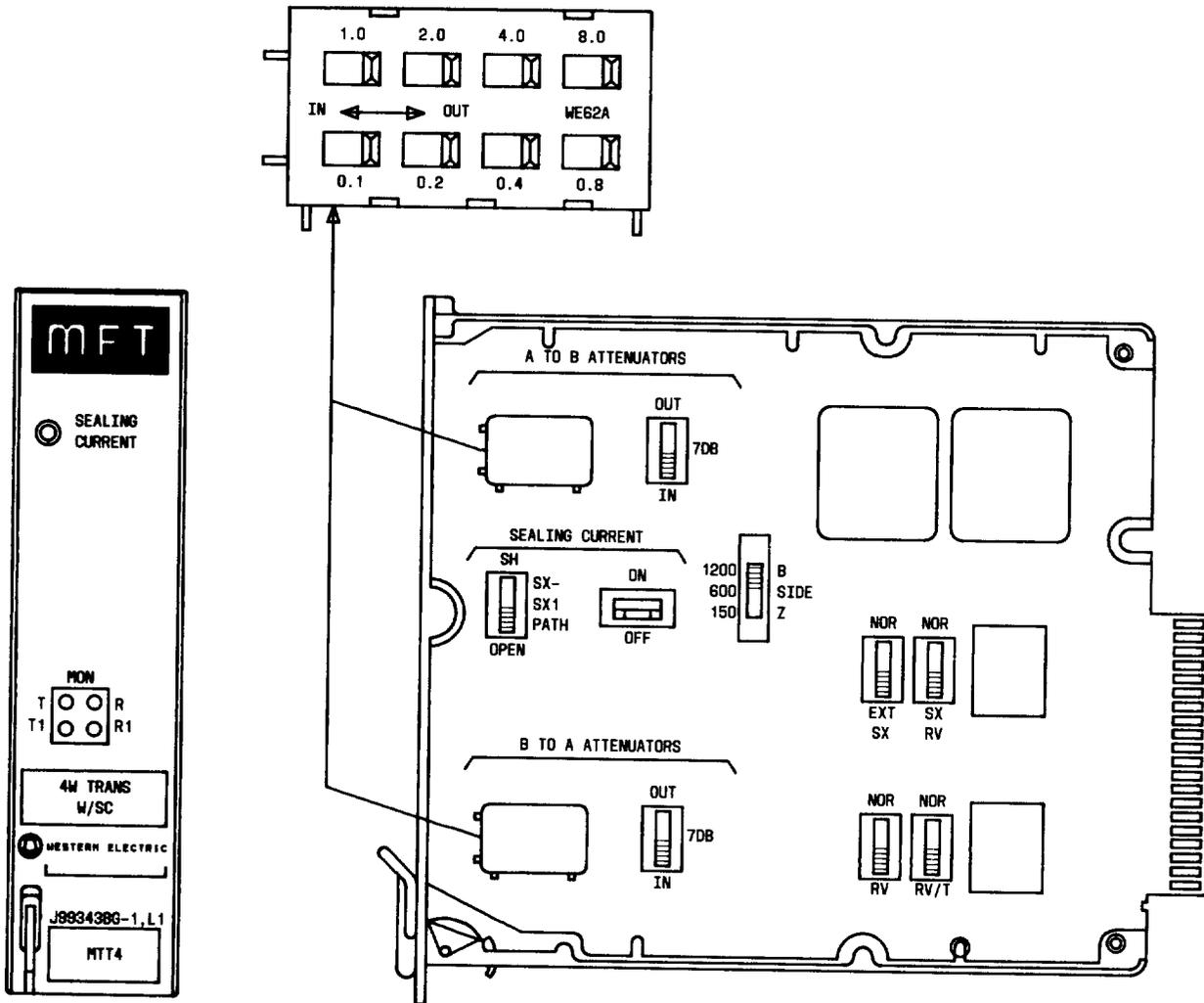


Fig. 1—4-4 Wire Transmission Unit J99343BG Component Layout

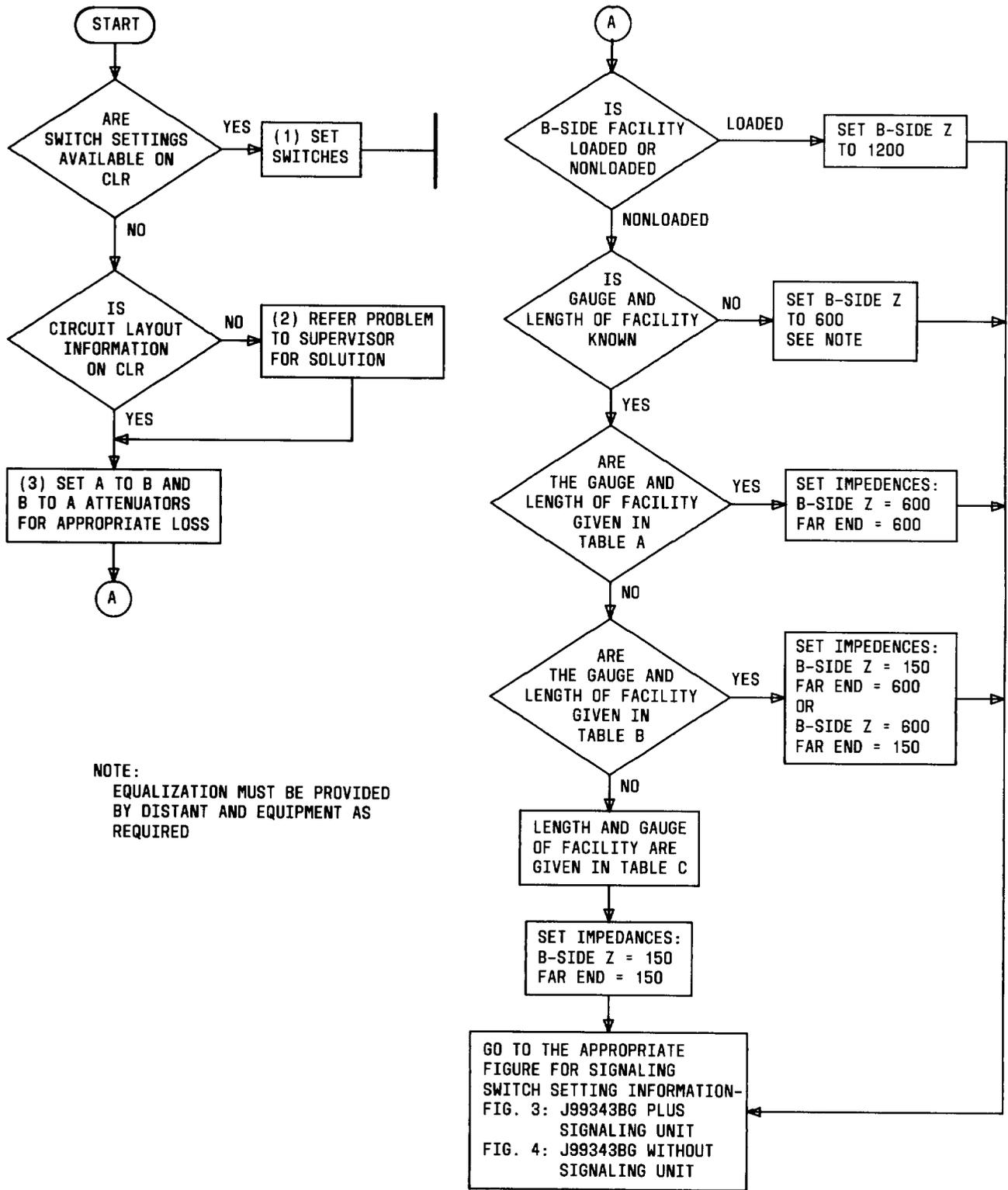


Fig. 2—Procedure for Setting Transmission Controls of J99343BG Unit

TABLE A

GAUGE	LENGTH (KFT)
19	0.0 — 9.0
22	0.0 — 8.0
24	0.0 — 7.5
25	0.0 — 9.0
26	0.0 — 7.0

TABLE B

GAUGE	LENGTH (KFT)
19	9.1 — 16.0
22	8.1 — 14.0
24	7.6 — 12.0
25	9.1 — 13.0
26	7.1 — 10.0

TABLE C

GAUGE	LENGTH (KFT)
19	>16.0
22	>14.0
24	>12.0
25	>13.0
26	>10.0

4. MAINTENANCE

4.01 The transmission unit requires no routine maintenance. If the unit is determined to be faulty, it should be removed from service and replaced with a spare. The defective unit should be sent to the nearest Western Electric Service Center for repair.

Test Extender

4.02 The following test extenders are associated with MFT equipment:

J99343TB for use in all MFT applications

J99380TA for use with J99380 network termination equipment

J99400TA for use with packaged MFT assemblies (PMFTA).

These extenders are normally used to provide testing access to various designated points in a circuit. The extenders are designed to be used in any slot in a single-module arrangement and the transmission slot of a double-module arrangement.

5. REFERENCES

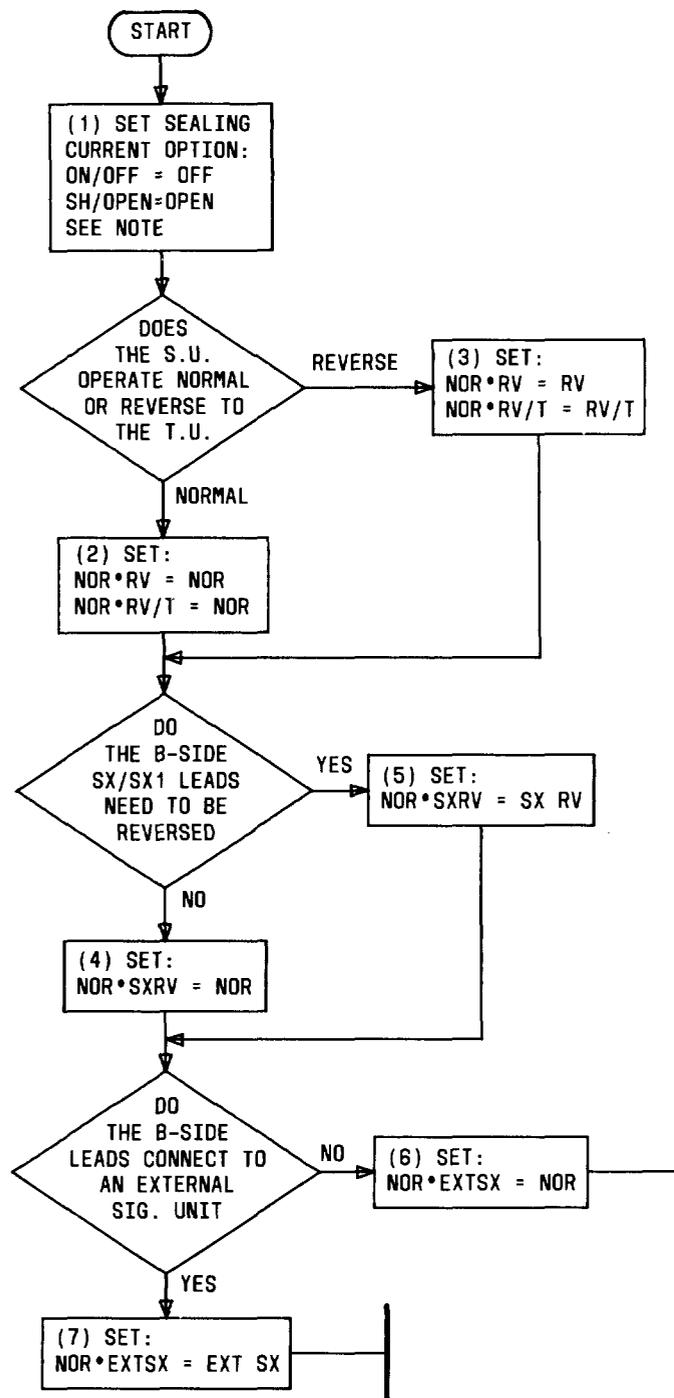
5.01 The following is a list of references that provide additional information concerning the 4-4 wire passive transmission units with sealing current.

SECTION	TITLE
332-910-100	MFT—General Description
332-910-101	Shelf, Frame, Power Panel, and Distributing Frame Arrangements, Description
332-910-180	General Application Information
332-912-105	4-4 Transmission Unit With Sealing Current (J99343BG), Description

CIRCUIT DESCRIPTION	TITLE
CD-1C359-01	Common Systems, MFT, Circuit Description

SCHEMATIC DRAWING	TITLE
SD-1C359-01	Common Systems, MFT, Schematic Drawing

The appropriate numerical index section should be consulted to find the current issue of the sections listed and any addendum that may have been issued. The pertinent numerical index for the sections listed here is Section 332-000-000.



NOTE:
WHEN THE J99343BG UNIT IS USED WITH A
COMPANION SIGNALING UNIT, DO NOT USE
THE SEALING CURRENT OPTION AND SX
PATH SHORTING OPTION.

Fig. 3— Signaling Switch Settings for J99343BG Unit Used With Companion Signaling Unit

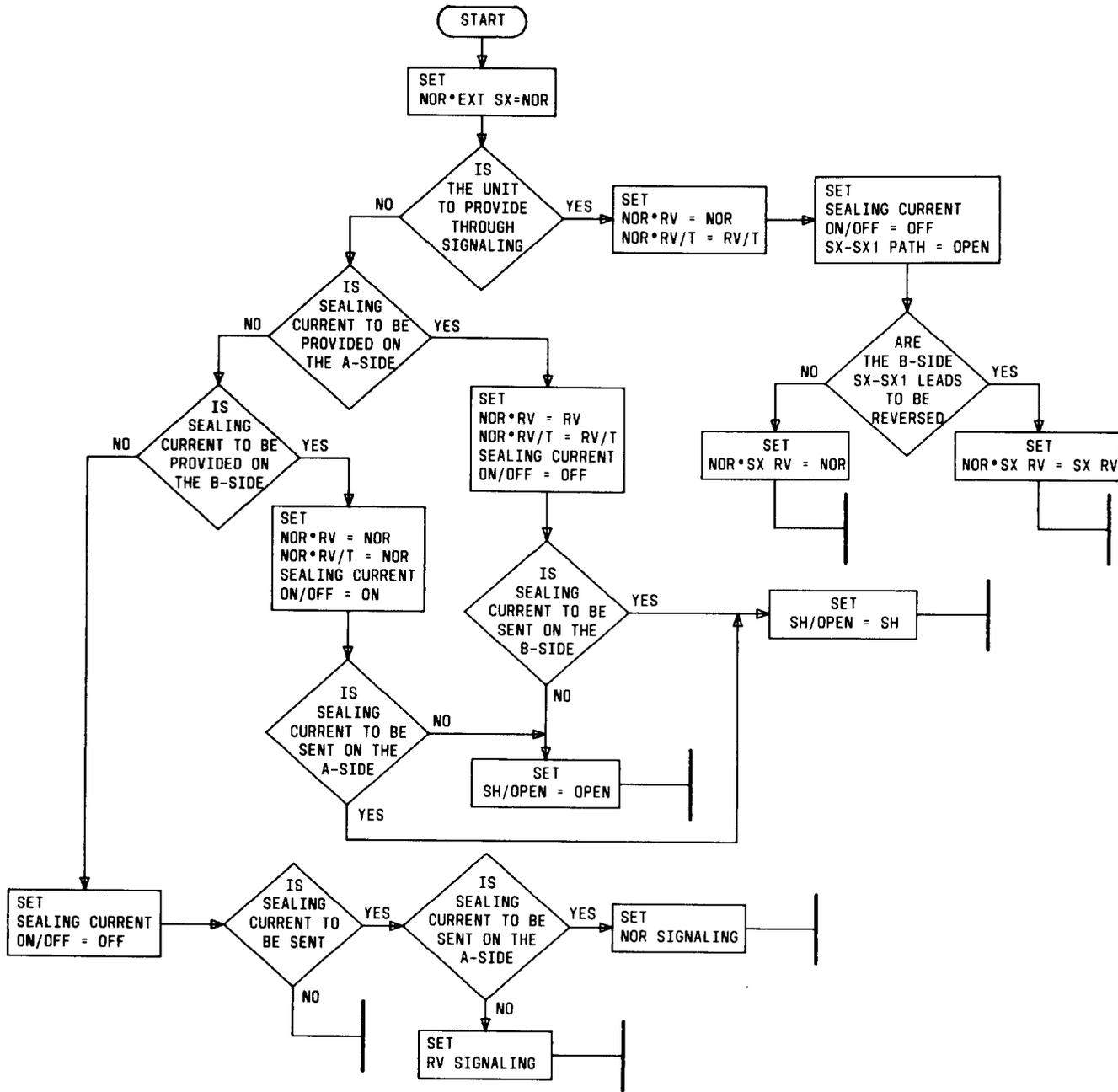


Fig. 4—Signaling Switch Settings for J99343BG Unit Used Without Companion Signaling Unit