



Operating Routines

TRANSMISSION TEST

Non-Pulse Correcting Repeaters

1. GENERAL

1.01 This Practice presents a method for performing transmission tests on non-pulse correcting repeaters.

EE-SC-9057	H-61863
EE-SD-31779	H-61909
H-38393	H-61969
H-61560	H-61974
H-61714	

1.02 The tests are called:

- A. Transmission Test, Repeaters in Shelf
- B. Transmission Test, Repeaters on Bench

Table I

Note: Test B applies only to those repeaters having switch mounted talking condensers.

1.08 The allowable db loss for any given repeater is specified on the equipment apparatus index card.

1.09 Division equipment engineering is furnished with a complete set of equipment apparatus index cards by general office equipment engineering.

1.03 The tests are performed on repeater circuits EE-SC-9057, H-61714, H-61863, H-61909, H-61974 or similar.

2. TEST APPARATUS

Orientation

Test	Description
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1.04 This Practice is revised to make reference to circuit H-61974. Fig's. 1 and 2 are added to illustrate the preparation and method for tests A and B.

2.01	A	(1)	W. E. Co., 3W4B Cord Assembly
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2.02	A-B	(2)	W. E. Co., 5T Test Clips
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2.03	A	(1)	American Beauty #3138 Soldering Iron
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1.05 In test A of this Practice, 1000 cycles at zero dbm is connected to the outgoing side of the repeater. This is done at the main distributing frame after the outgoing trunk is opened. The transmission loss is read directly with a calibrated 12 type transmission measuring set at repeater test jacks 1 and 2.

2.04	A-B	(1)	W. E. Co., 12A or 12B Transmission Measuring Set
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2.05	A-B	(1)	Stanley 55-4 Screwdriver
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2.06	B	(2)	W. E. Co., 3P2A Cord Assemblies
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2.07	B	(1)	W. E. Co., 1W13A Cord Assembly
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1.06 In test B of this Practice the repeater under test is placed in a switch test stand. The 1000 cycle signal at the workbench is connected to the repeater. The transmission loss is read directly with a calibrated 12 type transmission measuring set at repeater test jacks 1 and 2.

2.08	B	(1)	W. E. Co., 2W17A Cord Assembly
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3. PROCEDURE

3.01 For the preparation and method for test A, see Fig. 1. See Fig. 2 for the preparation and method for test B. Perform the steps in numerical sequence.

1.07 A minimum of 0.2 db to a maximum of 0.6 db loss is permitted on repeaters listed in Table I.

4. REPORTS

4.01 Complete the necessary records in accordance with Practice A641.000.

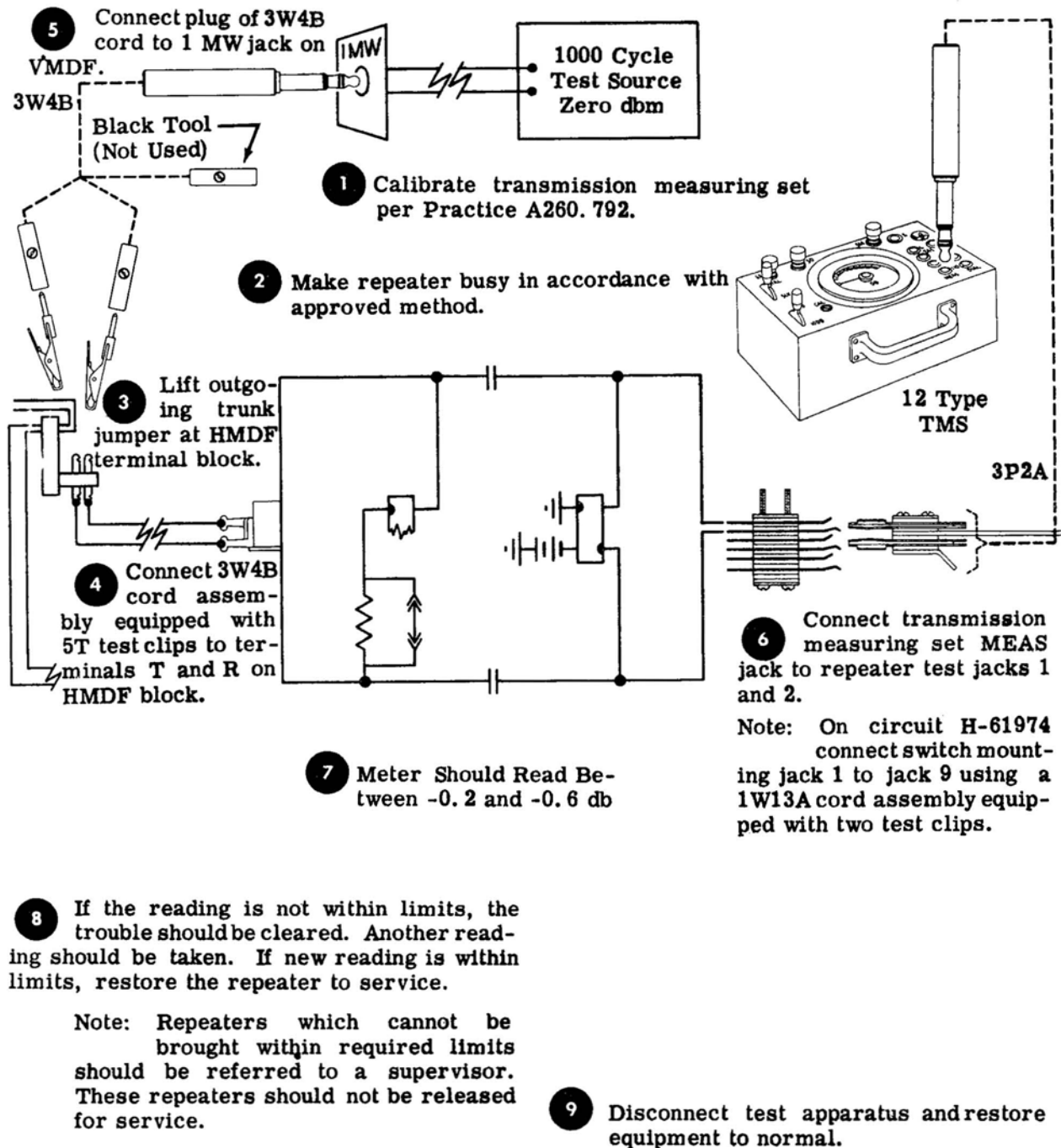
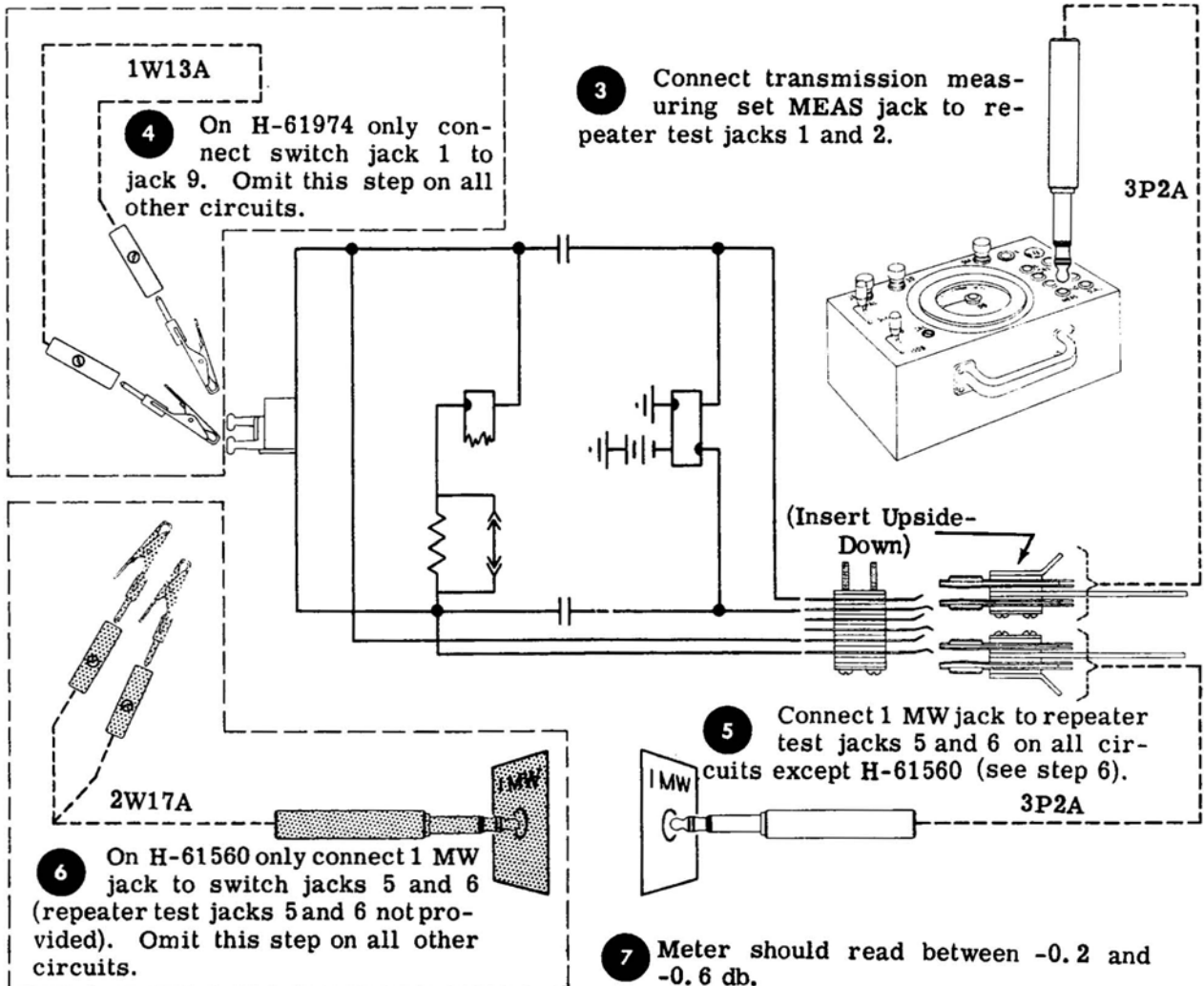


Fig. 1. Preparation and Method for Test A. Perform Steps in Numerical Order.

1 Calibrate 12A or 12B transmission measuring set in accordance with Practice A260. 792.

2 Place the repeater into switch test stand on the work bench.

Caution: Make certain correct rotary switch position is selected before placing repeater into switch test stand. Do not turn rotary switch with repeater in switch test stand. See Practice A720. 908.



8 If the reading is not within limits, the trouble should be cleared. Another reading should be taken. If new reading is within limits, restore the repeater to service.

9 Disconnect test apparatus and restore equipment to normal.

Note: Repeaters which cannot be brought within required limits should be referred to a supervisor. These repeaters should not be released for service.

Fig. 2. Preparation and Method for Test B. Perform Steps in Numerical Order.