

J68333A TEST BENCH

1. GENERAL

1.1 This section covers the general features of the J68333A Test Bench. The Test Bench, in conjunction with a J68340A, List 1 Test Bay, provides the equipment required to repair and align the components of the TD-2 Radio System. The functions are:

- (a) To measure output impedance,
- (b) To measure input impedance,
- (c) To measure balance,
- (d) To measure conversion loss,
- (e) To provide means for making filament activity tests of tubes in IF Pre-amplifiers and IF Main Amplifiers, and,
- (f) To provide an air connection for cooling the 416A electron tubes.

1.2 The bench is 60 inches long, by 30 inches wide, by 34 inches high. The cabinet rack mounted on the top includes one each of the following:

J68330A IF Main Amplifier  
J68330B Receiver Control Unit  
J68330G Microwave Generator  
J68330H 40 MC Shifter (less 40 MC Generator)  
J68330M Transmitter Control Unit  
J68333E Control Panel

Many miscellaneous loose assemblies are supplied with the Test Bench.

1.3 The maintenance, description and operating principles of the J68333A Test Bench are covered in the following sections:

OPERATING METHODS	SECTION R70.212
MAINTENANCE METHODS	SECTION R70.214
DESCRIPTION AND OPERATING PRINCIPLES	SECTION R70.215

1.4 The test bench requires 15 amperes at -12 volts DC, 0.7 amperes at +130 volts DC, and 0.15 amperes at +250 volts DC. These sources must be quiet so as not to introduce noise in the component under test. The unit also requires an air connection to cool the microwave tubes.

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