

**L MULTIPLEX TERMINALS**

**LMX-1**

**CARRIER AND PILOT SUPPLIES**

**PILOT DISTRIBUTING CIRCUITS**

**MEASUREMENT OF RECTIFIED DC CURRENT AND ADJUSTMENT OF WKG GEN  
 SENSITROL® RELAY**

This section supersedes and updates information previously contained in Section 356-078-501 which has been cancelled. *Equipment Test Lists are affected.*

The purpose of this test is to check the DC rectifier circuit feeding the WKG GEN Sensitrol relay and zero adjustment of the relay.

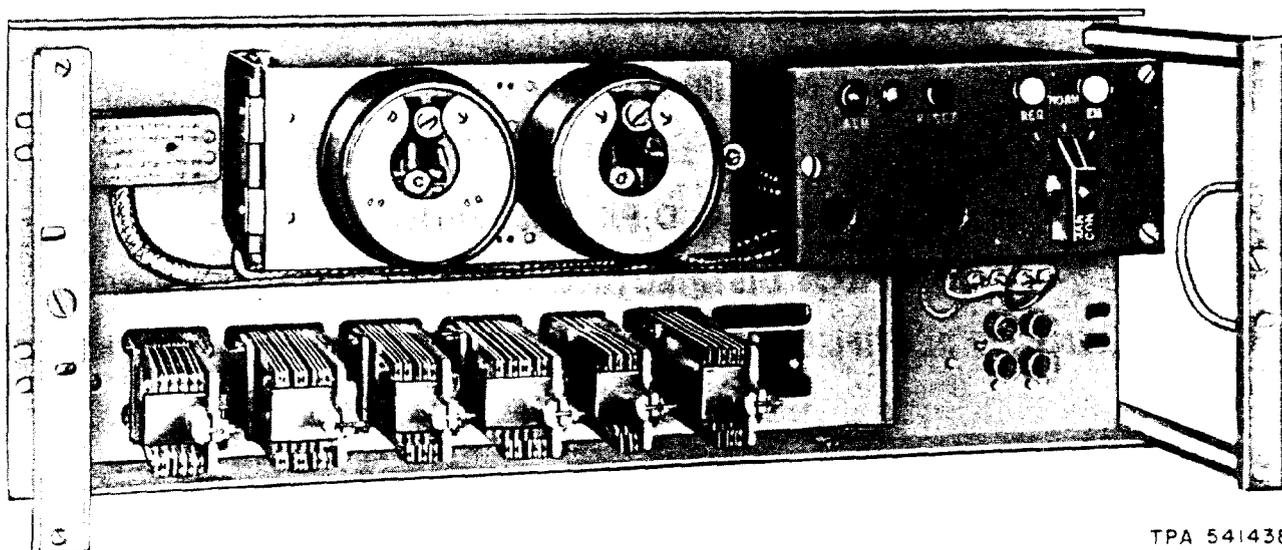
**APPARATUS**

*KS-14510 Volt-ohm-milliammeter (VOM) built out to 6000 ohms*

*1000-ohm 106- or 107-Type Resistor*

*5000-ohm 106- or 107-Type Resistor*

STEP	PROCEDURE
	<p><i>Note 1:</i> Test requirements of Section 356-177-501 are prerequisite to tests in this section.</p> <p><i>Note 2:</i> DC power must be applied to the temperature control circuit of the pilot distributing panel for at least 24 hours before these tests are made.</p> <p><i>Caution: Transfer of pilot and carrier supplies will cause hits on data and telegraph services; therefore, limit the number of transfers to minimize service interruptions.</i></p> <p>1 On the pilot J68828G transfer and control panel (Fig. 1), set the MAN CON switch to EM to select the emergency pilot generator.</p> <p>2 At the pilot distributing circuit to be tested (SD-59534-01), remove the front panel cover.</p> <p>3 On the alarm unit assembly (ED-59379-30) of the circuit under test, disconnect the lead from terminal AA.</p> <p>4 Build out the KS-14510 VOM to a resistance of 6000 ohms.</p>



TPA 541438

Fig. 1—Carrier and Pilot Transfer Control Panel J68828G

STEP	PROCEDURE
5	With the KS-14510 VOM in the .06 mA position, connect the positive (+) lead to the AA terminal of the alarm assembly.
6	Connect the negative (-) lead of the VOM to the GA terminal of the alarm assembly.
7	Read the VOM meter indication.  <b>Requirement:</b> $30 \pm 7.0$ microamperes
8	If the requirement of Step 6 cannot be met when the requirements of Section 356-177-501 are met, replace the 405D varistor, CR1, on the alarm unit assembly.
9	Remove the VOM connections.
10	Reconnect the wire to the AA terminal of the alarm assembly.
11	At the associated pilot transfer and control panel, adjust the screw on the WKG GEN Sensitrol relay so that the pointer indicates zero.
12	Restore the MAN CON switch to normal service.