

**RESISTANCE LAMPS**  
**TESTS AND INSPECTIONS**

1. GENERAL

1.01 This section describes the method of inspecting resistance lamps and sockets used in various circuits in central offices. It also describes the inspection of the designations on the resistance lamp mounting plates or panels.

1.02 Before making the inspection, reference shall be made to the information given in Part 4 of this section and to the equipment or circuit drawings covering the circuit in which the resistance lamp is used. Except in cases necessary to obtain satisfactory circuit operation, a lamp of a superseded type need not be replaced by the later type unless the lamp is defective and the stock of superseded lamps is exhausted.

1.03 Since use of the wrong type of resistance lamp may impose an improper condition on the equipment, it is important that the proper type lamp be used.

1.04 Exercise care when inspecting lamps to avoid interruption of service. Consideration should be given to possible service reactions when replacing lamps or sockets. Take associated equipment out of service, if practicable.

1.05 Resistance lamps which are glowing indicate possible circuit trouble and may be hot to the touch.

1.06 If in the course of inspection a lamp loose in the socket or a loose socket is found, the continuity of the circuit through the lamp should be checked by means of the test receiver after correcting the condition and also after making any replacements.

2. APPARATUS

2.01 No. 716C receiver (or equivalent), with a W2AB cord equipped with two No. 360A tools (No. 2W21A cord), ~~KS-6278~~ connecting clip, and No. 411A test pick (for checking continuity of circuit through resistance lamps).

3. METHOD

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
1	Inspect lamp for proper type	Agrees with circuit or equipment drawing and information in Part 4
2	Inspect resistance lamp mounting plates or panels to determine that designations are correct and legible	Agrees with circuit or equipment drawing
3	Inspect equipment for freedom from dust	Check by wiping with clean <del>KS-2423</del> cloth
4	Inspect socket for damage, looseness, or loose wiring	Check by eye and feel
5	Inspect lamp for firm mounting in socket	Check by feel

4. LIST OF RESISTANCE LAMPS

4.01 The following list shows the proper type of resistance lamp to be used for replacement purposes if superseded types specified on equipment or circuit drawings are not available.

<u>Initial Type Lamp+</u>	<u>Later Type Lamp+</u>	<u>Present Type Lamp</u>	<u>Initial Type Lamp+</u>	<u>Later Type Lamp+</u>	<u>Present Type Lamp</u>
-	-	11A	1B,6B,7B	8C	12C
-	-	11B	1C,6C*,7C	8D	12D
-	-	11C	1D,6D*	8E*	12E*
-	8A	12A	1E,5A,6E	8F	12F
1A,6A	8B	12B	2,6F	8G	12G
			3,6G	8H	12H
			60 Volt, 50 Watt	8J	12J
			-	12M	12L*
			-	13M	13L

+Manufacture discontinued.

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\*The replacement for the 6C, 6D, 8E, and 12E lamps in coin control circuits is the 12L lamp.