

TELEPHONE SETS

ANTIQUÉ

MODIFICATION AND RECOVERY REQUIREMENTS

This index lists the information that forms a part of, or supplements this specification, and indicates the authorized issues thereof.

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c-Information in accordance with that currently authorized.

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SUPL DWGS																						
B-659501	c																					Conversion, Danish Compact Tel Set
B-659506	c																					Modified 317 Type Wall Subscriber Set
B-659507	c																					Handset, Danish Compact Desk Tel Set
B-659508	c																					Conversion, Danish Compact Desk Tel Set with 584A Key
B-659509	c																					Conversion, Danish Compact Wall Cradle Tel Set
B-659511	c																					Modified 317-Type Monarch Magneto Wall Subscriber Set
B-659515	c																					Handset, Rikstelefonen Compact Tel Set
B-659516	c																					Rikstelefonen Compact Tel Set
B-659519	c																					Japanese DO-8 Desk Tel Set (cast metal base)
B-659520	c																					Swedish Magneto Desk Tel Set
B-659521	c																					Swedish Compact Desk Tel Set
B-659522	c																					Handset, Swedish Compact Desk Tel Set
B-659525	c																					Japanese DO-8 Desk Tel Set (sheet metal base)
B-659527	c																					Japanese DO-8 Desk Tel Set (L1 sheet metal and L2 cast bases)

c-Information in accordance with that currently authorized.

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1. GENERAL

1.01 This specification covers the recovery requirements for previously modified antique telephone sets. . . . ←

1.02 The applicable requirements of the specifications listed on the index as SUPL SPECS shall be followed in the recovery of these antique telephone set, in addition to the requirements specified herein.

Requirements Needing Special Consideration by Telephone Company

1.03 This specification includes certain requirements which need special consideration and, in some cases, action on the part of the telephone company. The paragraph numbers and a brief description of these requirements are shown in the following table:

<u>Paragraph No.</u>	<u>Requirements</u>
3.02	External mounting of components

2. APPEARANCE, CLEANING, AND FINISH

2.01 Care shall be taken to preserve the original finish on external surfaces. Refinishing shall be limited to touchup necessitated by the modification process. Required touchup should match or be in keeping with the antique appearance of the set.

3. MECHANICAL

General

3.01 All components associated with the talking or signaling circuits shall be telephone company owned 500-Type Telephone Sets or equivalent Bell System Products. Components covered by this requirement are as follows:

Cords, handset, and mounting	Network	Associated wiring
Dial	Ringer	Transmitter Unit
Switch Assembly	Terminals	Receiver Unit

3.02 Unless otherwise specified by the Telephone Company, components unable to be mounted within the telephone set (such as a ringer, network, etc.) may be mounted externally, as in a subset.

3.03 No parts of the circuit shall be exposed to the customer.

3.04 Customer owned circuits shall be disconnected. All customer owned parts removed shall be returned to the customer.

3.05 Parts, other than those replaced by components of Paragraph 3.01, if cracked, broken, missing, or defective shall not be replaced. Such replacement parts shall be furnished by the customer.

3.06 A set containing a magneto shall have the electrical connections disconnected from the telephone circuit and the magneto left in the set where space permits.

3.07 & 3.08 Omitted on issue 4 of this page. . . . ←

3.09 All handset shall be reissued with spring type cords.

3.10 The 581A Telephone Set Bases, dials, kits or any Bell System parts used as replacements in recovery shall not be riveted or permanently attached in any manner to the customer owned antique set. . . . ←

Handset

3.11 The transmitter and receiver units shall be positively clamped within the handset cavities to avoid acoustic leakage past the clamping surfaces.

3.12 The U1 Receiver Units shall be replaced with new or repaired U3 Receiver Units.

3.13 Distances and acoustical cavity sizes for transmitter and receiver of the handset shall be maintained as specified in applicable drawings listed on the index as SUPL. DWGS., except for the D-180069 or D-180070 Transmitter Horn.

3.14 Rotation of the D-180070 Transmitter Horn from its normal position shall be limited to ± 5 degrees.

4. WIRING

4.01 Omitted on Issue 3 of this page. . . . ←

4.02 Wiring connections shall be as specified in applicable SUPL. SPECS. and SUPL. DWGS.

5. ELECTRICAL

Insulation Breakdown

5.01 The insulation between all metal parts intended to be insulated from each other shall be capable of withstanding an "Insulation Breakdown" test of 500 volts ac.

Amplifier

5.02 The amplifier when under test connected as shown on B-564998 or equivalent of BSRS-452.057 shall show a voltage indication of 0.21 to 0.39 volt ac at M2 instead of 0.15 to 0.27 volt ac.

6. TEST AND ADJUSTMENTS

6.01 Switch assembly contacts shall make or break and sequence shall be according to the applicable wiring diagrams of Bell System components used.

Plunger or Switch Hook Operation

6.02 With the set in its normal position of use and the switch plunger assembly slowly actuated by the handset, the plunger shall move freely without binding or squeaking throughout its entire travel in both directions.

6.03 The line circuit shall be opened by action of the handset depressing the switch plunger assembly, before the former reaches within 0.040 inch of its limit of travel.

6.04 If squeaking occurs, all bearing surfaces shall be lubricated with KS-14774, List 2G Lubricant. A perceptible film of lubricant shall be present on the bearing surfaces. The lubricant shall not come in contact with wires, ringer coil contact springs, or any other electrical components.

6.05 Binding or squeaking plungers or switch hook assemblies unable to be cleared up by lubrication shall be cleaned and relubricated. Plungers requiring replacement shall be furnished by the customer.

Ringer Volume Control Operation

6.06 When present, ringer volume control shall operate throughout its range of movement.

Transmission

6.07 Transmission characteristics shall meet the requirements specified for the 500-Type Telephone Sets which shall be accomplished by meeting the following requirements in addition to that of 3.01.

6.08 Handsets shall meet the sidetone talking requirements when tested with the "Recovery Test Set" as specified for 500-Type Sets in BSRS-362.023 for handsets assembled on telephone sets connected to the test set and with test set keys operated as specified therein.

7. MARKING

7.01 Omitted on Issue 2 of this page.

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8. PACKING

8.01 Customer owned parts that have been removed for replacement by Bell System components shall be packaged and returned in the packing carton for the telephone set.