

REFERENCE

201A, B, C, D; 211A, B, C, D; 212A, B, C; 213A, B, C, E

HAND TELEPHONE SETS

1. GENERAL

1.01 This section contains identification and maintenance information on 200 series hang-up type hand telephone sets. All these sets are now MD. This information was formerly found in Sections 502-300-100 and 502-300-300 which are hereby canceled.

1.02 Information on the 200 series desk-type hand telephone sets can now be found in Reference Section 502-301-102.

2. IDENTIFICATION

2.01 The 200 series hang-up type hand telephone sets, manual and dial models (Fig. 1, 2, 3, and 4) consists of the coded components listed in Table A.

2.02 They are used with either induction coil or network-type subscriber sets in manual or dial areas, and also with magneto-type subscriber sets. Refer to appropriate connection section in Division 502 for all classes of service.

Assemble of Parts

2.03 The hang-up hand telephone sets utilize the C- and G-type handset mountings.

2.04 The C-type handset mounting (Fig. 5 and 6) provides rotating adjustment to position the dial with respect to the user, while the G-type, (Fig. 7, 8, and 9) provides both rotating and tilting adjustments for positioning the dial.

2.05 The handset mounting bracket for both mountings allows them to be attached at various lengths from the desk top overhang and allows the G-type mounting handset to be hung from either the front or side of the mounting.

2.06 The C-type mounting is used with 201-type hand telephone set and the G-type with 211, 212, and 213-type.

61M Filter

2.07 When required, a 61M filter (ordered separately) may be installed to suppress R.F. interference in these sets. See Fig. 10 and 11 for mounting filter in C-type mounting and Fig. 12 for G-type.

Note: Before installing 61M filter in G-type mounting, remove the helical spring (Fig. 13) before extracting the switchhook pin.

3. MAINTENANCE

3.01 Maintenance should be limited to the replacement of items listed in Table A and to cleaning, adjusting, and aligning of contacts.

3.02 To clean contacts, burnish with the 265C tool using a clean blade (Fig. 14).

3.03 All contact springs shall have a perceptible follow. In case of mounting having twin contacts, both contacts on the same spring shall make at approximately the same time.

3.04 On G-type mountings the operating stud shall not touch the operating springs when the line switch is in its extreme upward position (Fig. 15).

3.05 To align point and disc contacts (Fig. 16) the point shall fall wholly within the circumference of the opposing contact disc and crossbar contacts within the width of the contact surface.

3.06 The switchhook shall move freely without binding or squeaking. Binding of switchhook

TABLE A
COMPONENT PARTS

CODED COMPONENTS		TELEPHONE SETS						
		201 A	201 B, C, D	211 A	211 B, C, D	212 A, B, C	213 A, B, C	213 E
Handset Mounting	C1-3	•	•					
	G1-3			•	•			
	G2-3					•		
	G3-3						•	•
Dial Mounting	39-A-3		•					
	41-A				•	•	•	
	43-A				*	*	*	
Dial	5H Type		•		•	•	•	
	6A		*		*	*	*	
Handset	F1G-3	•	•	•	•	•	•	•

* Alternate replacement.

may be caused by either a bent switchhook or bent pin. If trouble occurs, replace set.

3.07 Squeaks may be caused by a dirty pin. Remove pin and clean it and bearing holes with KS-2423 or equivalent cloth moistened with KS-7860 petroleum spirits (Fig. 17).

3.08 Replace helical spring if improper tension is causing faulty operation of set.



Fig. 1—Manual Hang-up C-Type Set



Fig. 2—Dial Hang-up C-Type Set



Fig. 3—Manual Hang-up G-Type Set

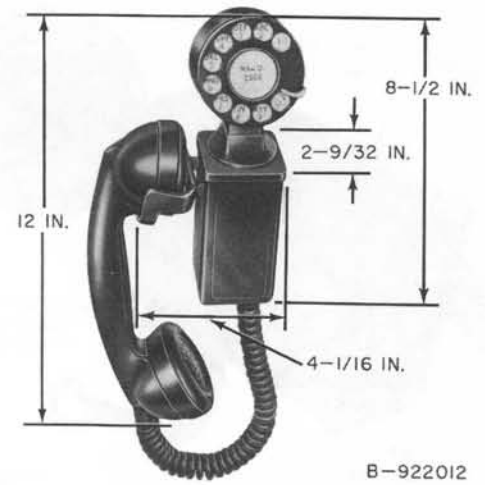


Fig. 4—Dial Hang-up G-Type Set



Fig. 5—Assembly of 39A Dial Mounting on C-Type Handset Mounting

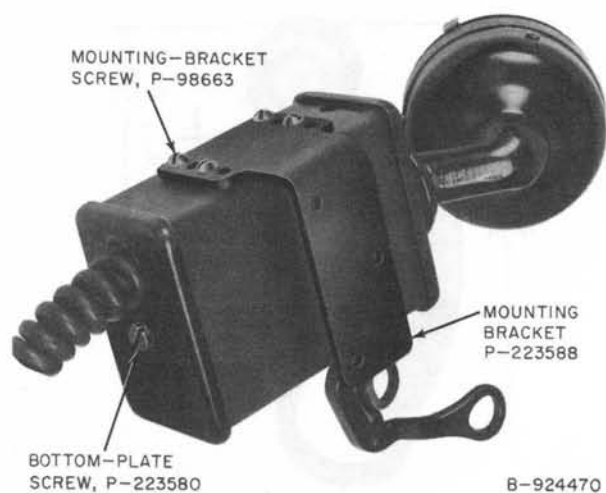


Fig. 6—Assembly of C-Type Handset Mounting and Bracket

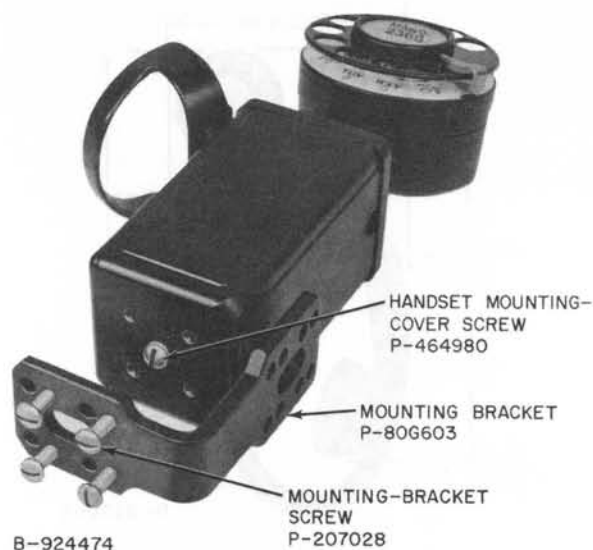


Fig. 8—Assembly of G-Type Handset Mounting and Bracket



Fig. 7—Assembly of 43A Dial Mounting on G-Type Handset Mounting

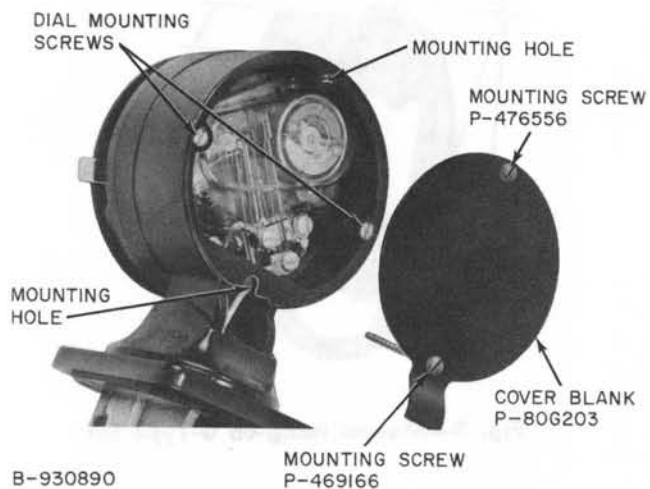


Fig. 9—G-Type Handset Mounting, Rear View

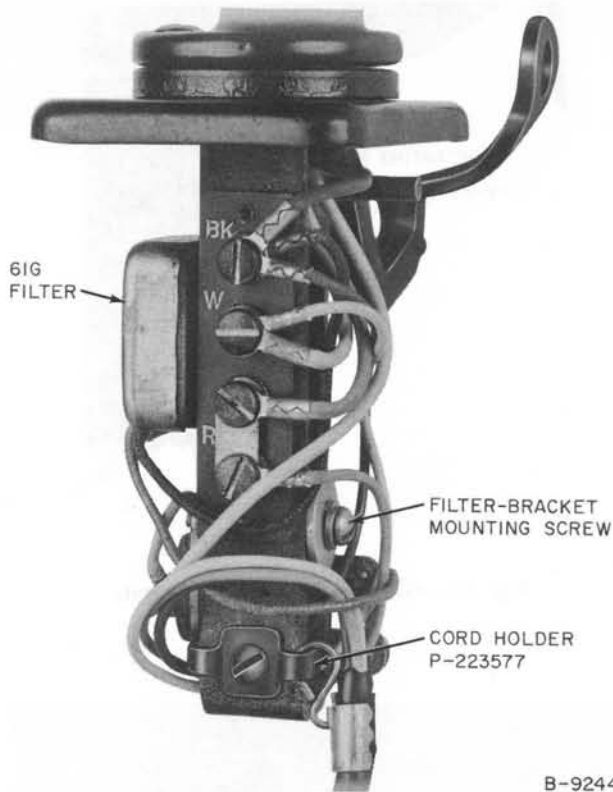


Fig. 10—Assembly of Filter on C-Type Handset Mounting



Fig. 11—Assembly of Switchhook on C-Type Handset Mounting

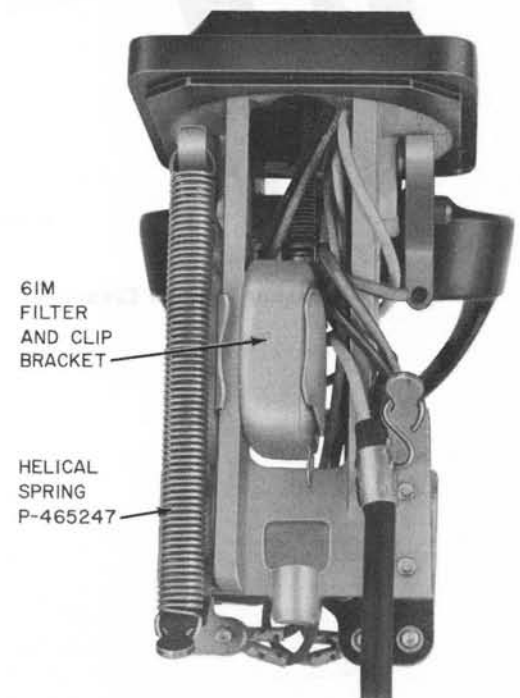


Fig. 12—Assembly of Filter on G-Type Handset Mounting

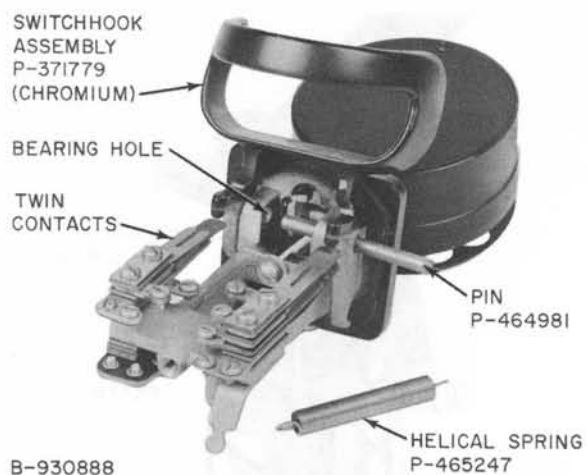


Fig. 13—G-Type Handset Mounting, Switchhook Assembly



Fig. 15—G-Type Mounting Margin

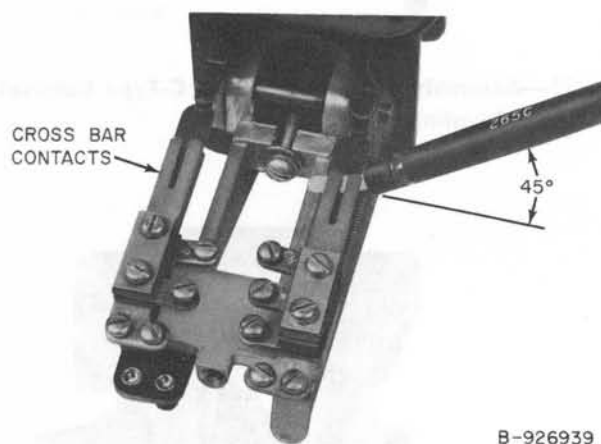


Fig. 14—Crossbar Contact Cleaning

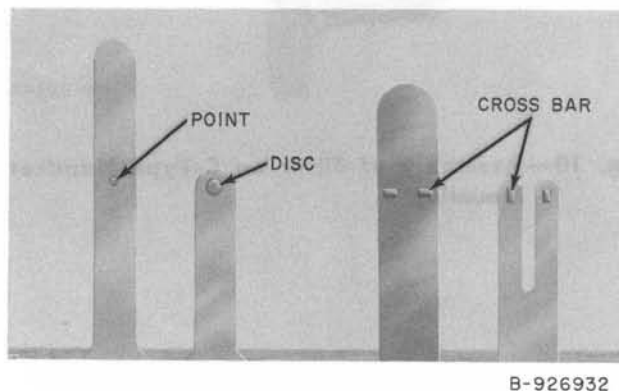


Fig. 16—Point and Disc and Crossbar Contacts

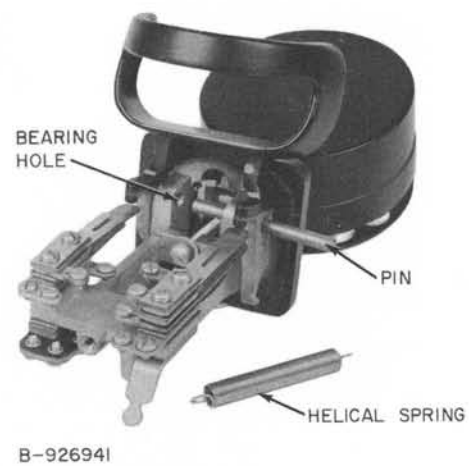


Fig. 17—Switchhook Assembly