

## R-TYPE HANDSETS

### IDENTIFICATION, MAINTENANCE, AND CONNECTIONS

#### 1. GENERAL

1.01 This section contains information on the R1C3, R2C3, R6C3, and R8C3 handsets (Fig. 1, 2, and 3).

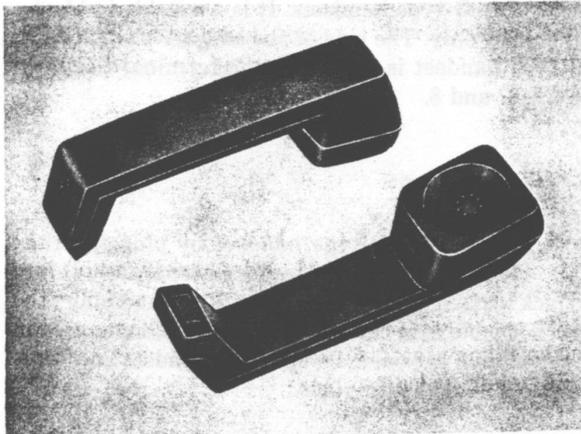


Fig. 1—R1C3 or R2C3 Handset

1.02 Whenever this section is reissued, the reasons will be listed in this paragraph.

#### 2. IDENTIFICATION

##### A. Application

2.01 The R-type handsets are small compact modular handsets which accept the H4DU handset cord (ordered separately). The R-type handsets are intended for use with 7000 series telephone sets.

##### B. Ordering Guide

2.02 Order as follows:

- Set, Hand, R1C3 (see Tables A and B)
- Set, Hand, R2C3 (see Tables A and B)

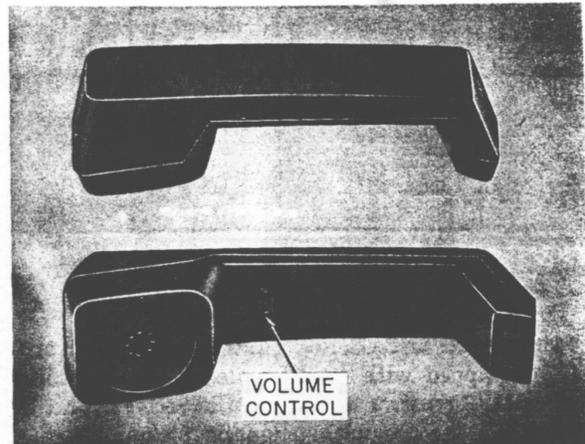


Fig. 2—R6C3 Handset

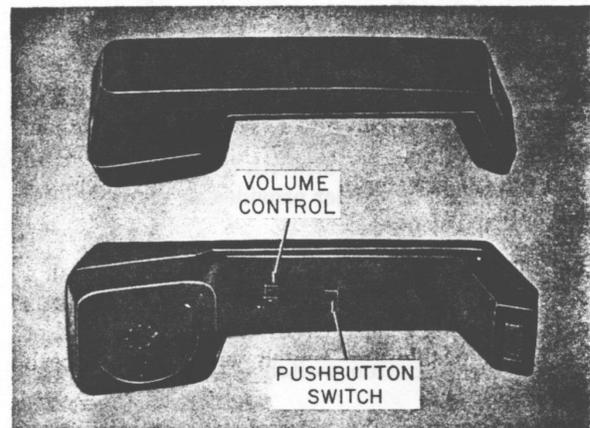


Fig. 3—R8C3 Handset

- Set, Hand, R6C3 (see Tables A and B)
- Set, Hand, R8C3 (see Tables A and B).

**TABLE A**

**COLOR ORDERING GUIDE**

COLOR	SUFFIX
Black	003
White	058
Chocolate Brown	104
Char Gray	139
Midnight Blue	142
Burgundy	143
Cinnabar	144

**C. Design Features (see Table B)**

**2.03** The R1C3, R2C3, R6C3, and R8C3 handsets are equipped with an EL3 electret microphone and an MR3 receiver unit. The MR3 receiver unit is compatible for use with magnetic pickup hearing aids. See Fig. 4.

**2.04** The R2C3 (Fig. 4) handset is the same as the R1C3 handset except that the transmitter is connected to an expander circuit. The expander circuit is used to reduce the ambient noise picked up by the transmitter.

**2.05** The R6C3 (Fig. 5) handset is equipped with an expander circuit and a receiver amplifier controlled by a volume control. With the volume control set at full (9), the amplifier provides an approximate 10db gain.

**2.06** The R8C3 (Fig. 6) handset is equipped with a receive amplifier and volume control and is intended for high noise environments. The handset also has a pushbutton switch which affects both

transmit and receive levels. When the button is not pressed the receive amplifier has a gain of 10db at full setting (9) and the transmitter output is reduced by 10db. When the button is pressed the receive amplifier has a gain of 20db at full setting (9) and the transmitter level is reduced by 25 db.

**2.07** All of the R-type handsets have a weight included as part of the chassis in the receiver end of the handset.

**2.08** The 349A adapter (acoustic coupler) is an interface device designed to couple R-type handsets to G-type handsets. It is available in black (-003) color only. The side of the adapter shaped like a G-type handset is placed on the terminal coupler. See Fig. 7 and 8.

**3. CONNECTIONS**

**3.01** Connect the R-type handset by plugging the H4DU handset cord (ordered separately) into the jack located beneath the transmitter and plug the other cord end into the handset cord jack mounted in the telephone set base. Be sure the handset cord retaining clip locks into place.

**3.02** To replace the R-type handset, depress cord retaining clip and remove the handset cord.

**3.03** Refer to Fig. 9, 10, 11, and 12 for internal connections of the handset.

**4. MAINTENANCE**

**4.01** Maintenance of these handsets is limited to cleaning with a water or isopropyl alcohol dampened cloth.

TABLE B  
HANDSET FEATURES

HANDSET	FEATURE				
	ELECTRET MICROPHONE	MRC RECEIVER UNIT	AUTOMATIC NOISE-REDUCING (EXPANDER) CIRCUIT	RECEIVER AMPLIFIER CONTROL	RECEIVER AMPLIFIER AND NOISE REDUCTION ON DEMAND
R1C3	•	•			
R2C3	•	•	•		
R6C3	•	•	•	•	
R8C3	•	•			•

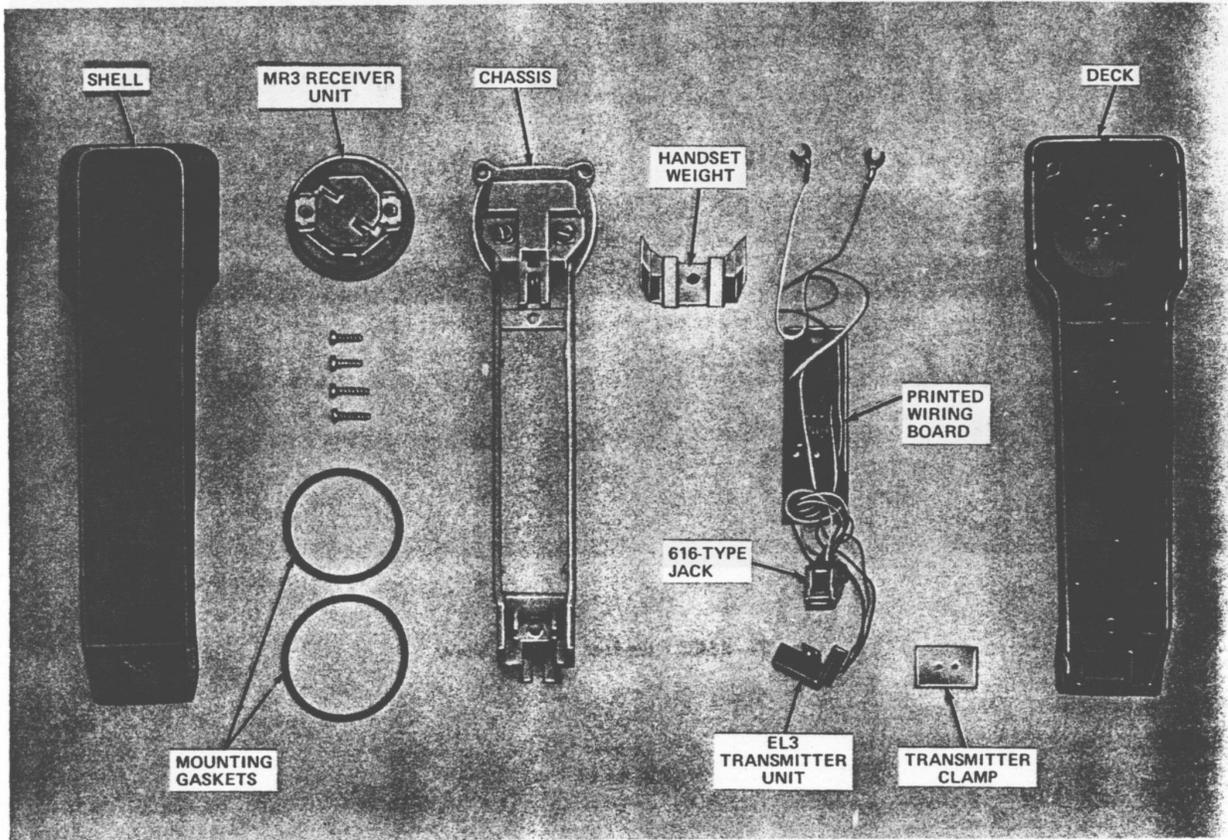


Fig. 4—R1C3 or R2C3 Handset, Interior View (see Note)

TABLE 8  
HANDSET FEATURES

FEATURE	RECEIVER	TRANSMITTER	OTHER	COMMON	OPTIONAL
MR 3 RECEIVER UNIT	✓				
EL 3 TRANSMITTER UNIT		✓			
PRINTED WIRING BOARD		✓			
HANDSET WEIGHT		✓			
CHASSIS		✓			
RECEIVER GASKETS	✓				
TRANSMITTER CLAMP		✓			
SHELL	✓	✓			
DECK				✓	

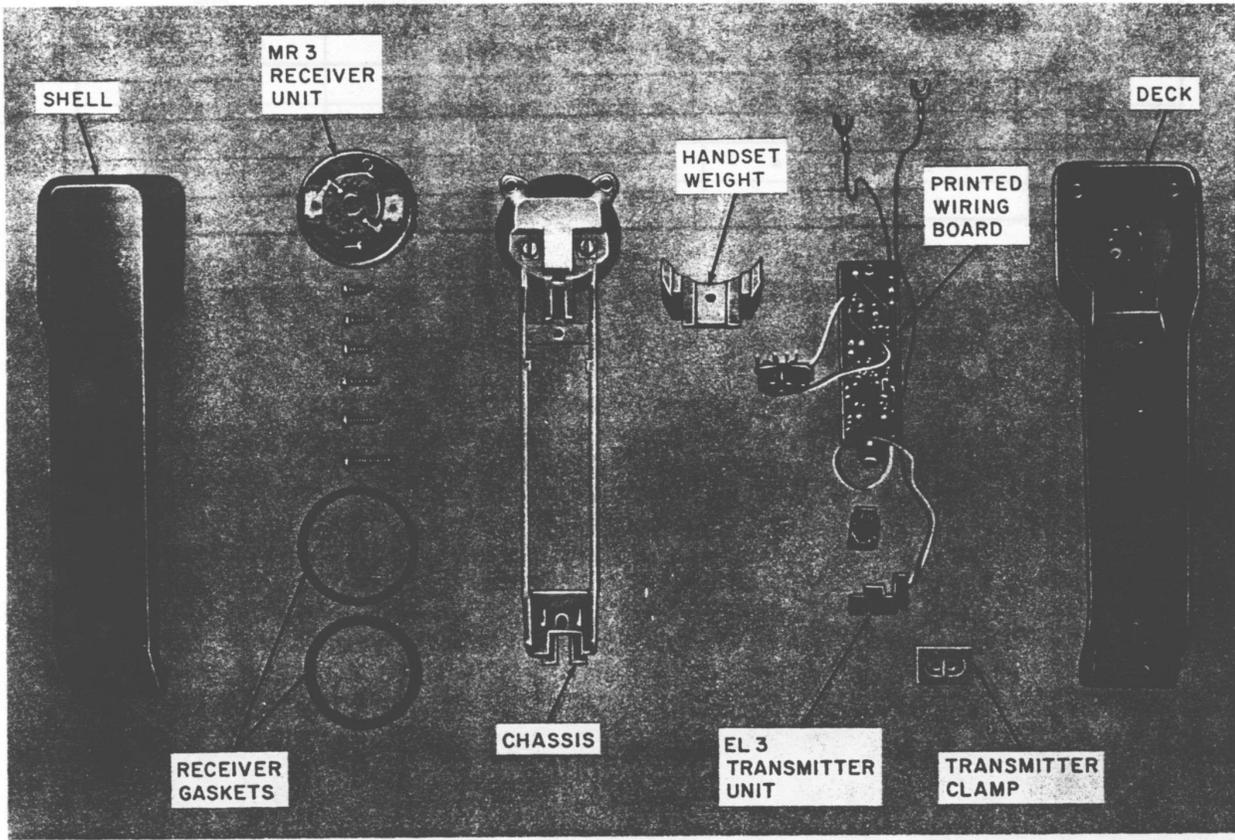


Fig. 5—R6C3 Handset, Interior View

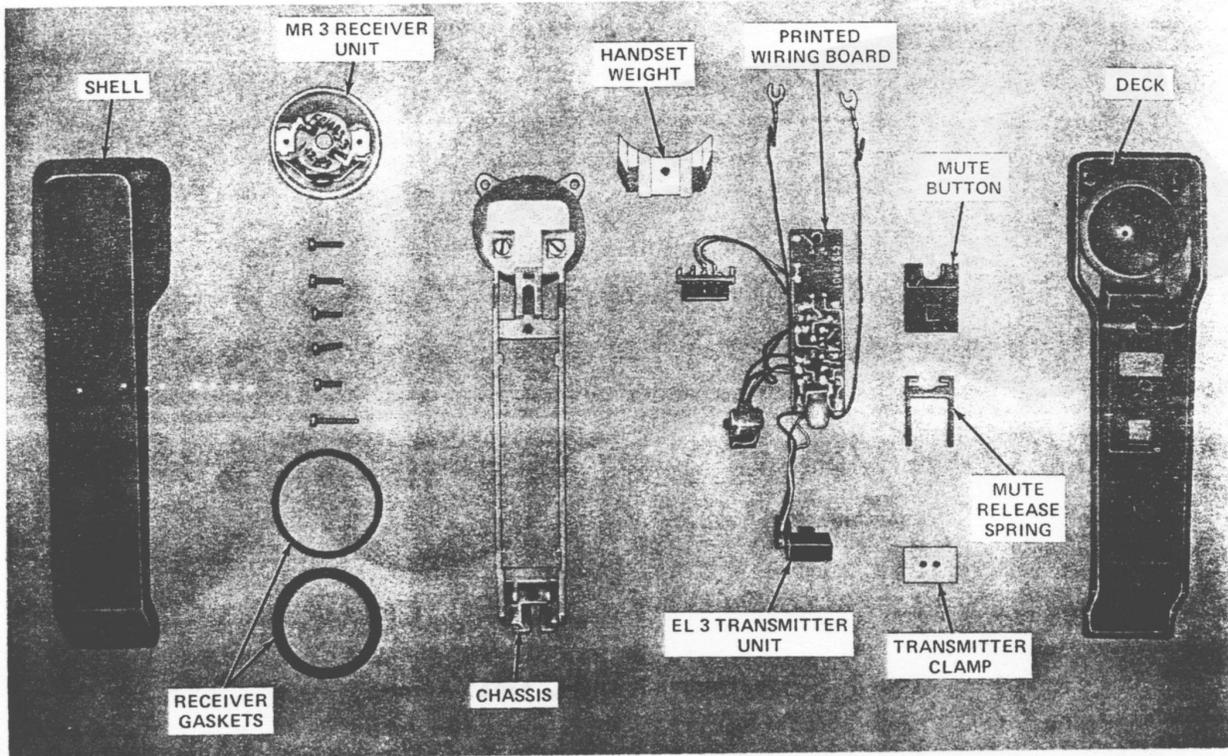


Fig. 6—R8C3 Handset, Interior View

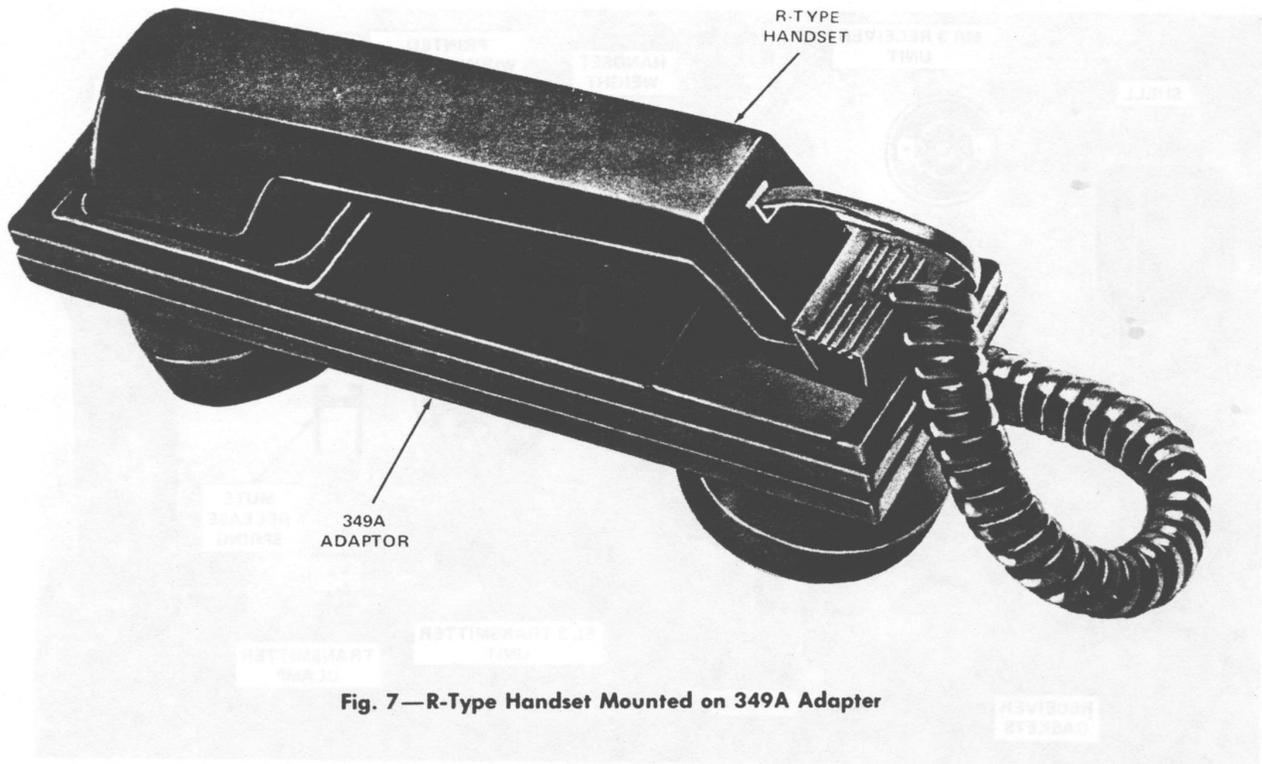


Fig. 7—R-Type Handset Mounted on 349A Adapter

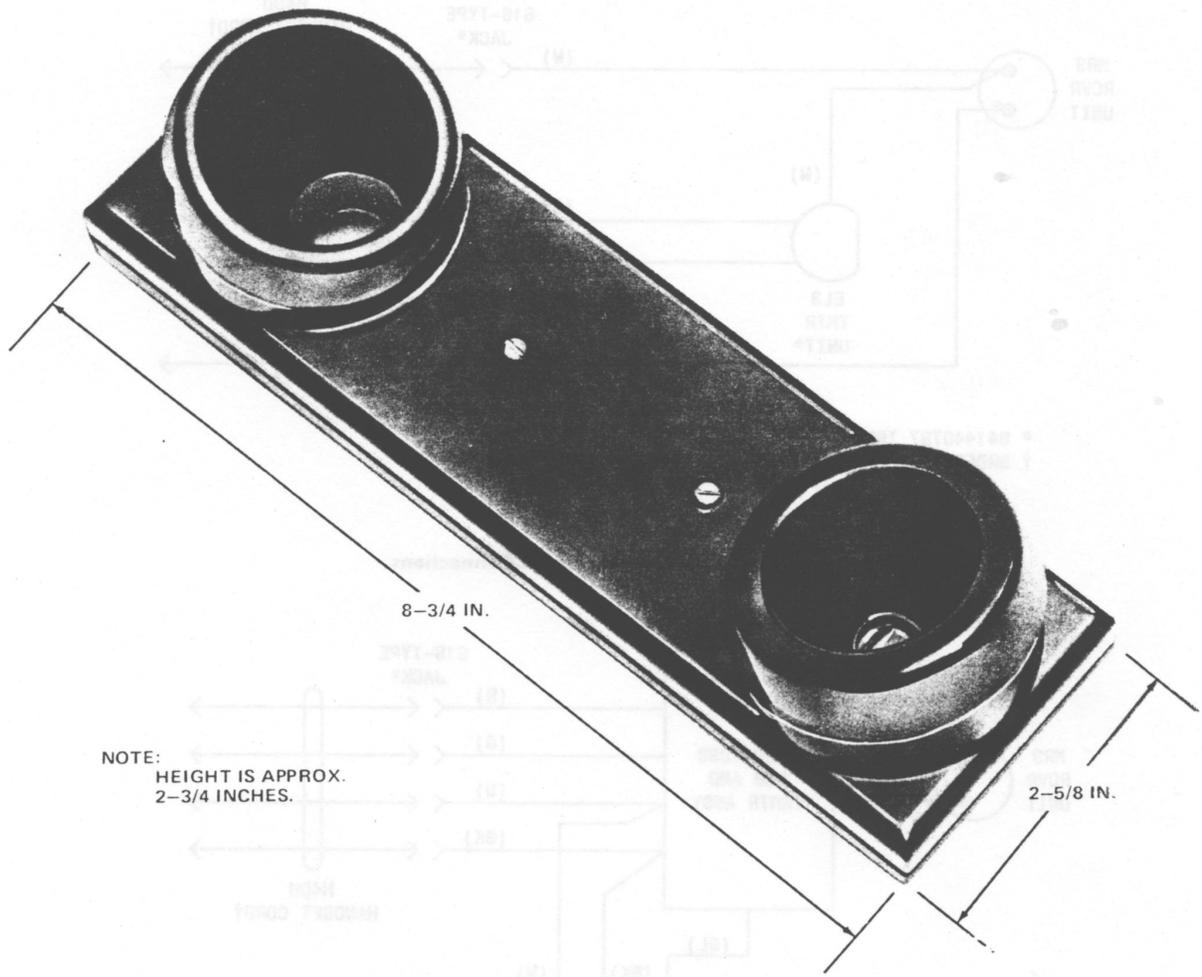
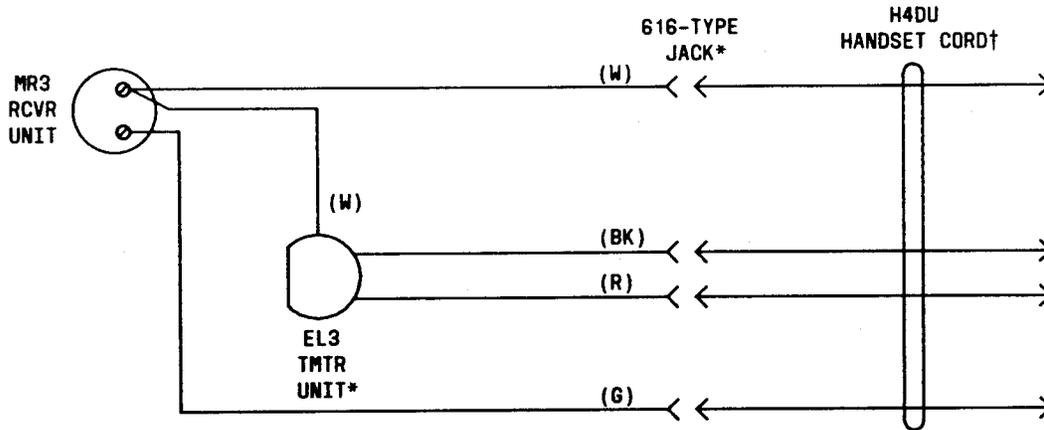
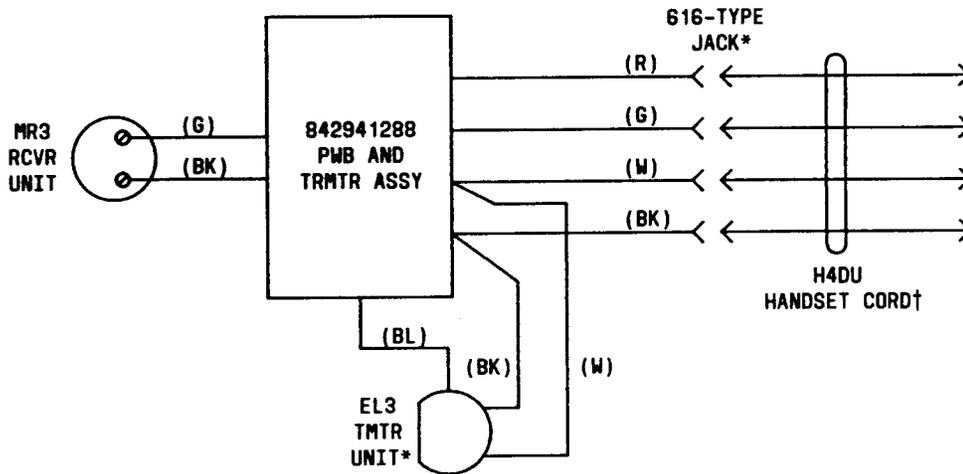


Fig. 8—349A Adapter (See Note)



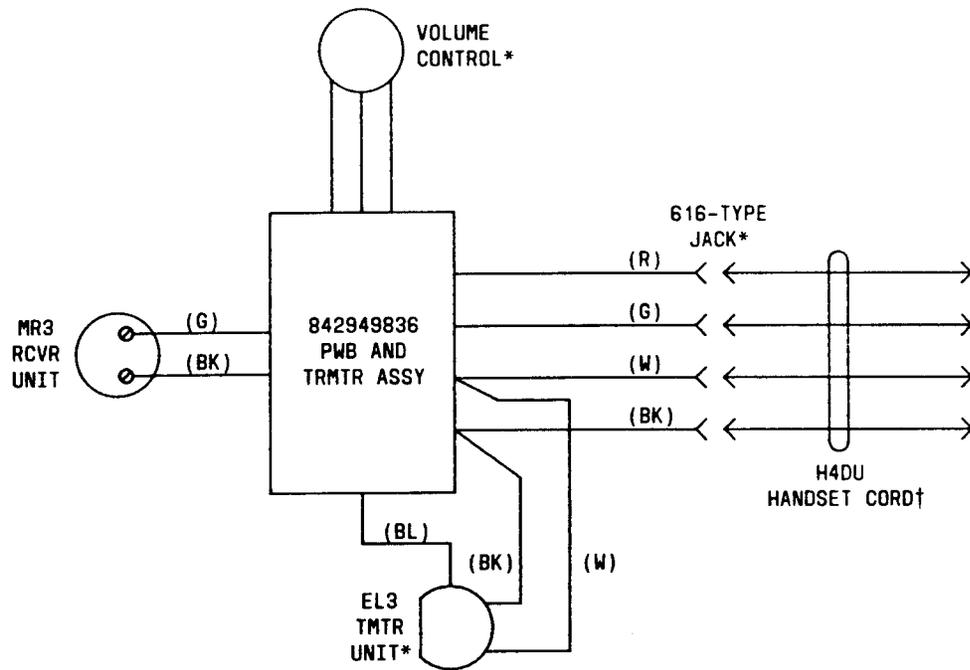
\* 841440787 TRMTR AND JACK ASSY  
 † ORDERED SEPARATELY

Fig. 9—R1C3 Handset, Internal Connections



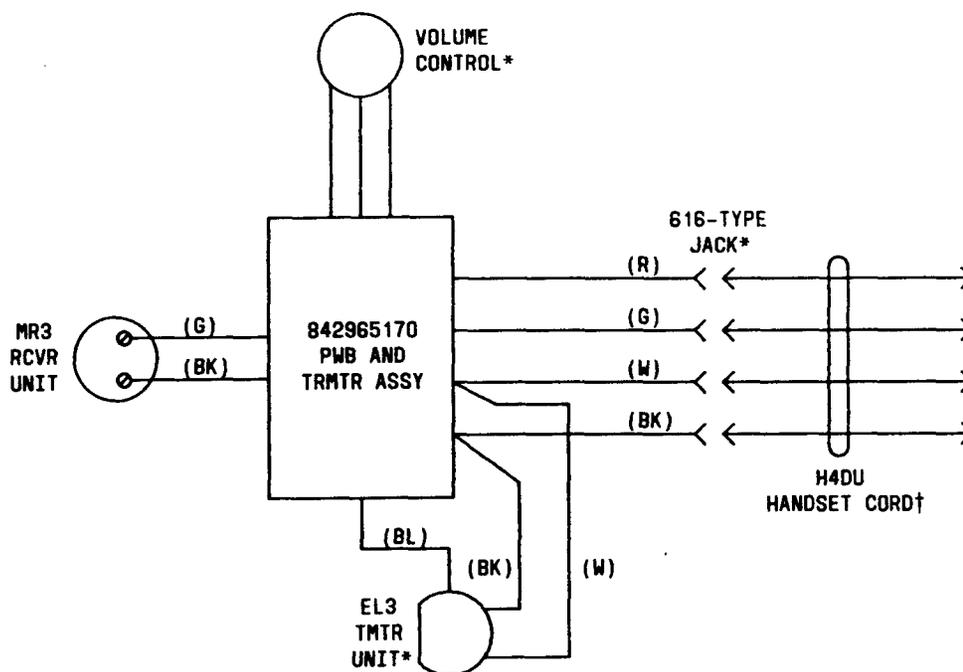
\* PART OF PWB AND TRMTR ASSY  
 † ORDERED SEPARATELY

Fig. 10—R2C3 Handset, Internal Connections



\* PART OF PWB AND TRMTR ASSY  
 † ORDERED SEPARATELY

Fig. 11—R6C3 Handset, Internal Connections



\* PART OF PWB AND TRMTR ASSY  
 † ORDERED SEPARATELY

Fig. 12—R8C3 Handset, Internal Connections