Fig. 5

3. Installing the Dual-Band Remote Kit (KRK-4DB)

The KRK-4DB remote kit controls two TK-630/730/830 series radios with one display (KCH-3 or KCH-4). The KRK-3DH is connected to one KCH-3 or KCH-4 and two radios (radios 1 and 2) with two optional control cables. There are three versions of the control cable:KCT-12A (8 feet), KCT-12B (17 feet), and KCT-12C (25 feet).

Note: For a combination of radio 1 and radio 2, see the system set-up "Table showing combinations of dual band" in the service manual for each radio.

3-1. Connection of radio 1 and KRK-4DB A/2 (unit with a relay) (Fig. 1-3)

1. Remove the upper and lower halves of the case of radio 1.
2. Connect W105 on the control unit (X57-A/4) of radio 1 to CN52 of the KRK-4DB A/2
3. Connect W55 on the KRK-4DB A/2 to control unit CN103.
4. Install the KRK-4DB A/2 on radio 1 using the four flat-headed screws (N32-3006-46) (❶).
5. Short W106 on the control unit by soldering. (Fig. 1-5)
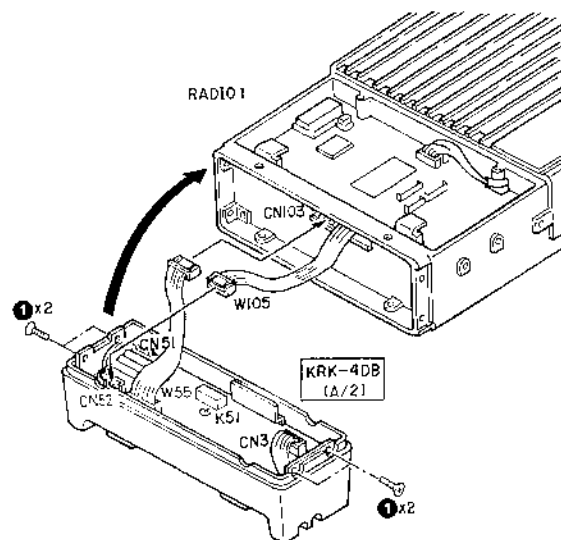6. Reassemble the upper and lower halves of the case of radio 1.
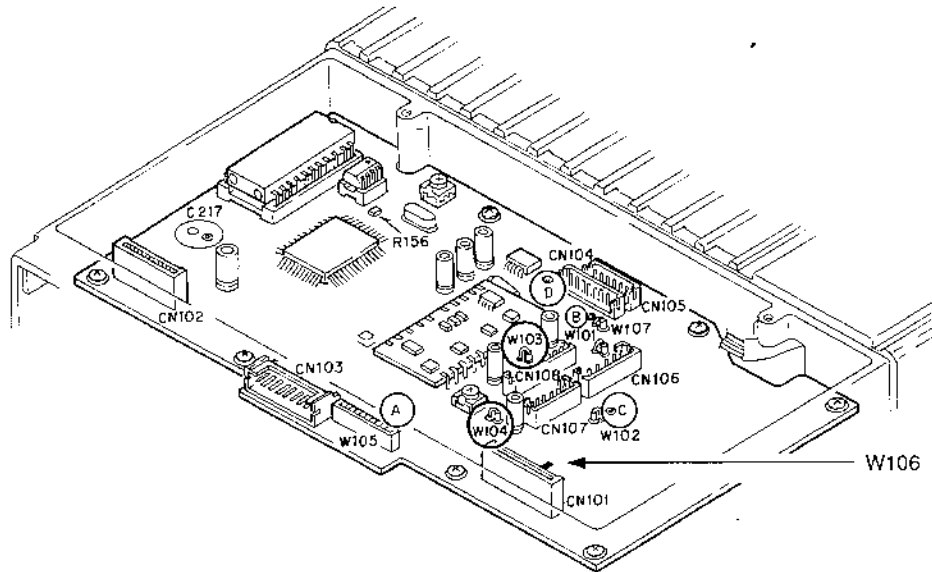

Fig. 1-3

INSTALLATION

Fig. 1-5 Control unit (X57- A/4)

3-2. Connection of radio 2 and KRK-4DB B/2 (Fig. 1-4)

1. Remove the upper and lower halves of the case of radio 2.
2. Connect W105 on the control unit of radio 2 to CN2 of the KRK-4DB B/2.
3. Connect W5 on the KRK-4DB B/2 to control unit CN103.
4. Install the KRK-4DB B/2 on radio 2 using the four flat-headed screws (N32-3006-46) (❶). (Fig. 1-3)
5. Cut W102 on the control unit, then connect A and C on the control unit. (Fig. 8)
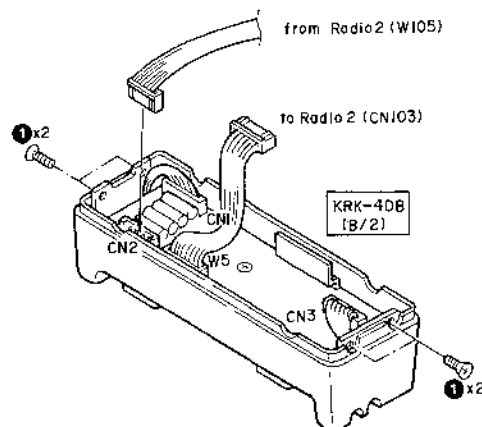6. Reassemble the upper and lower halves of the case of radio 2.

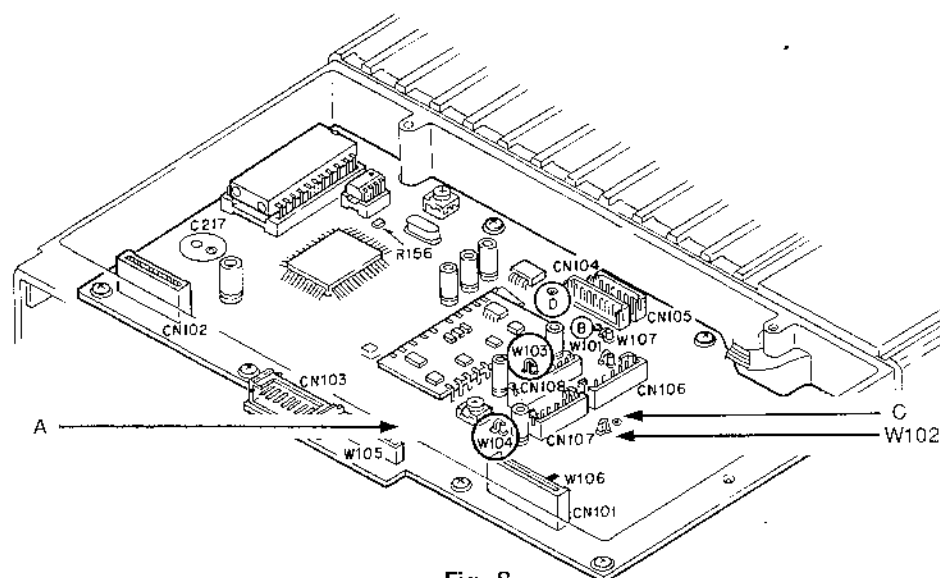**Fig. 1-4**

INSTALLATION

Fig. 8

3-3. Connection of radio 1 and radio 2 (Fig. 7)

1. Connect one end of one of the control cables to the TO RADIO connector (right) of radio 1, and the other end to the TO RADIO connector of radio 2. Connect each cable GND terminal with one of the binding screws (N35-3006-46) supplied with each control cable (❶).

2. Secure the control cable connectors to radio 1 and the radio 2 with two sems (❷) according to the installation condition of the radios. Pass the control cables through the grooves at both ends of the KRK-4DB and secure the cables to the KRK-4DB A/2 and B/2 with the cable fitting (J21-4354-04) and screws (N09-0335-05) (❷) supplied with the KRK-4DB.
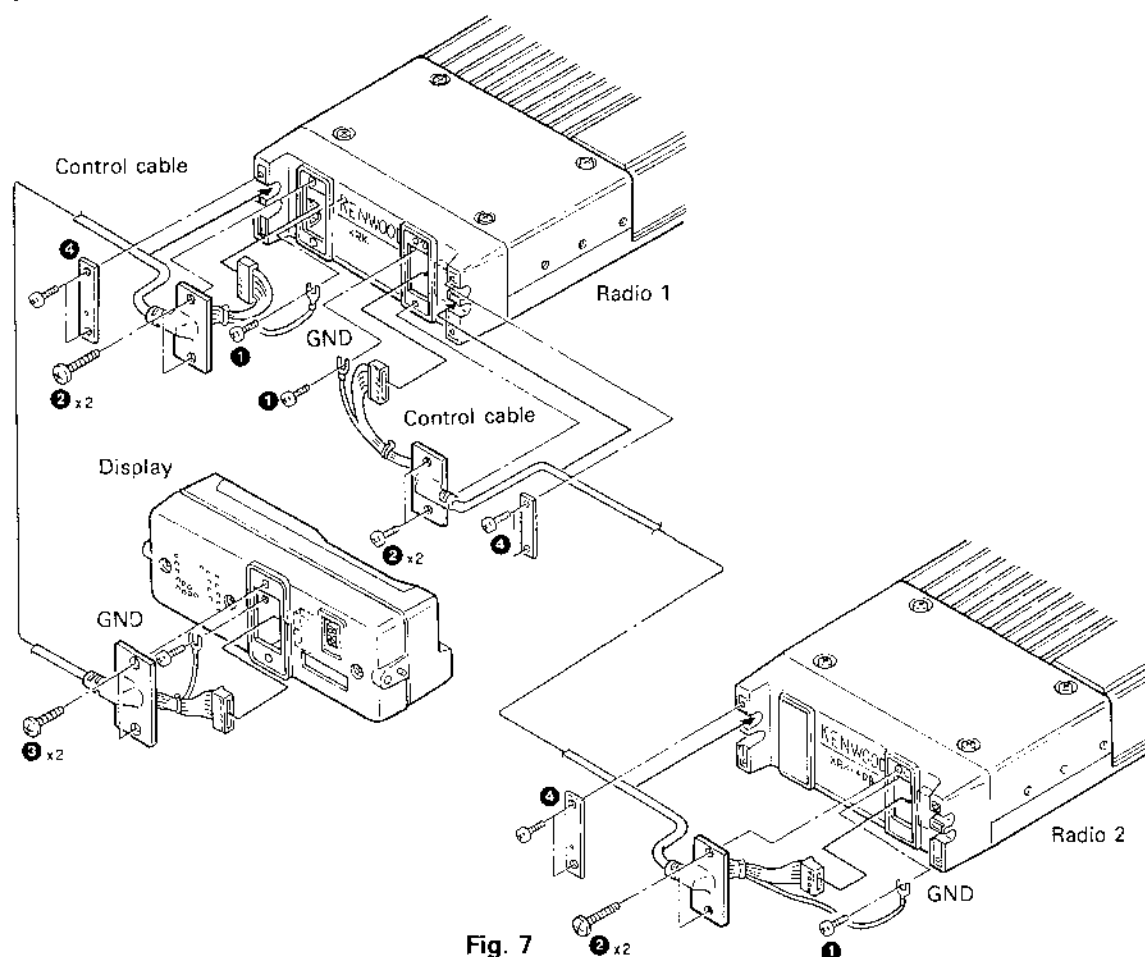

Fig. 7

INSTALLATION

3-4. Assembly of Display (Fig. 2)

1. Same as the KRK-2 display assembly procedure in Section 1-2. See page 2.

3-5. Connection of radio 1 and display (Fig. 7)

1. Connect one end of one of the control cables to the TO CONTROL connector of radio 1, and the other end to the TO RADIO connector of the display. Connect each of the GND terminals at both ends of the cable to radio 1 (with KRK-4DB A/2) and the display with one of the binding screws (N35-3006-46) (❶) supplied with the control cable.

2. Secure the control cable connectors to radio 1 (with KRK-4DB A/2) and the display with two sems (❸) according to the installation condition of the radio.

Pass the control cable through the groove on the back of the KRK-4DB A/2 and secure the cable to the KRK-4DB A/2 with the cable fitting and screws (❷) supplied with the KRK-4DB A/2.

3-6. Installation of display (Fig. 4)

1. Same as the KRK-2 display installation procedure in Section 1-4. See page 4.

3-7. Other modification (Fig. 5)

1. You can obtain the 12-W audio output from W703 of the display by shorting W10 on the KRK-4DB.

Note: If you use the KCH-3, you cannot use the internal speaker because its maximum input is 5 W. Use the optional external speaker (KES-4).
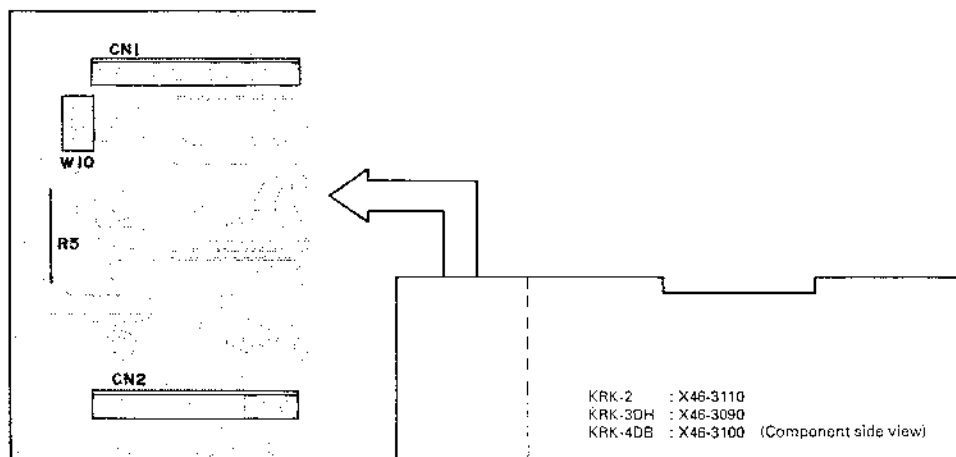

KRK-2   : X46-3110
KRK-3DH : X46-3090
KRK-4DB : X46-3100 (Component side view)

Fig. 5