

INSTALLATION

10. Channel Expansion Kit (KCH-5)

This optional kit increases the number of channels and AN (alphanumeric) channels of the radio.

10-1. System configuration

- *32B : Basic control head (32 ch)
- 99B : Basic control head (99 ch)
- 32A : Basic + Alphanumeric (32 ch)
- 99A : Basic + Alphanumeric (99 ch)
- *32F : Full featured control head (32 ch)
- 160F : Full featured control head (160 ch)
- * : Factory setting

10-2. System modification

• KCH-3 (basic control head) is used

1. 99B (basic control head : 99 channels)

Modify the radio with the basic control head (32 channels) so that it supports a 99-channel display.

- 1) Remove the upper half of the radio case.
- 2) Remove IC109 from the control unit (X57-5050 A/4) and install the KCH-5 EEPROM (X24C16PI) by soldering. (Fig. 14)

Note : Install it in the correct direction. Check the mark on the IC (KCH-5), and insert it.

- 3) Remove R156 (R92-0670-05) of the control unit. (Fig. 14)

2. 32A (basic + alphanumeric display : 32 channels)
- Modify the radio with the basic control head (32 channels) so that it supports a 32-channel alphanumeric display.

- 1) Install the KCH-5 EEPROM in IC3 of the KCH-3 display unit (X54-3100-20 A/2) by soldering.

Note : Install it in the correct direction. Check the mark on the IC (KCH-5), and insert it. (Fig. 15-a)

- 2) Remove R18 (R92-0670-05) of the display unit. (Fig. 15-a)

3. 99A (basic + alphanumeric display : 99 channels)
- Modify the radio with the basic control head (32 channels) so that it supports a 99-channel and alphanumeric display.

- 1) Install the KCH-5 EEPROM in the control unit by soldering, and remove R156. Remove R18 of the display unit.

• KCH-4 (full-feature control head) is used

1. 160F (Full-featured control head : 160 channels)
- Modify the radio with the basic control head (32 channels) so that it supports a 160-channel and alphanumeric display.

- 1) Remove the upper half of the radio case.
- 2) Remove IC109 (X24C04PI) of the control unit (X57-5050 A/4) from the socket, and install the KCH-5 (X24C16PI). (Fig. 14)

Note : Install the IC in the correct direction. Check the mark on the IC (KCH-5), and insert it.

- 3) Remove R156 (R92-0670-05) of the control unit. (Fig. 14)

- 4) Remove IC3 (X24C04PI) of the KCH-4 display unit (X54-3110-20 A/2) from the socket, and install the KCH-5 (X24C16PI). (Fig. 15-b)

Note : Install the IC in the correct direction. Check the mark on the IC (KCH-5), and insert it.

- 5) Remove R33 (R92-0670-05) of the display unit. (Fig. 15-b)

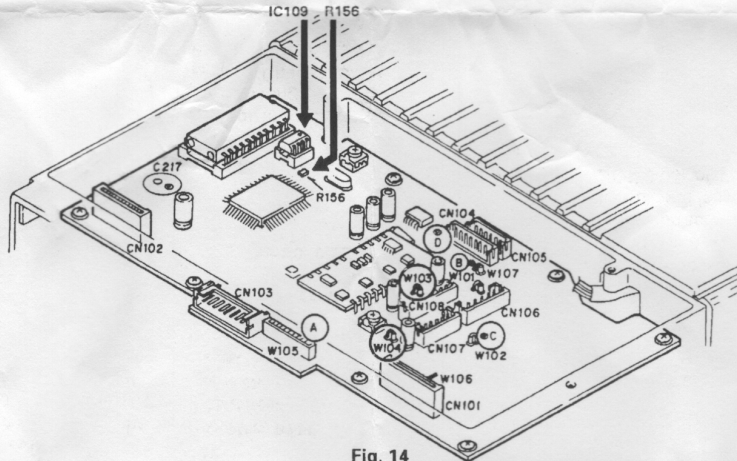


Fig. 14

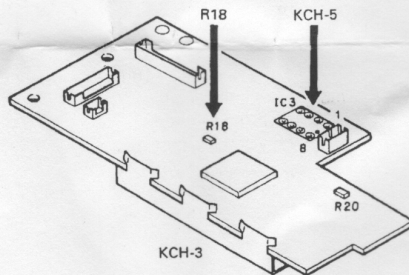


Fig. 15-a

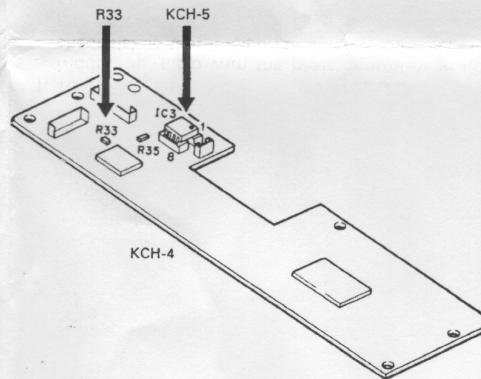


Fig. 15-b