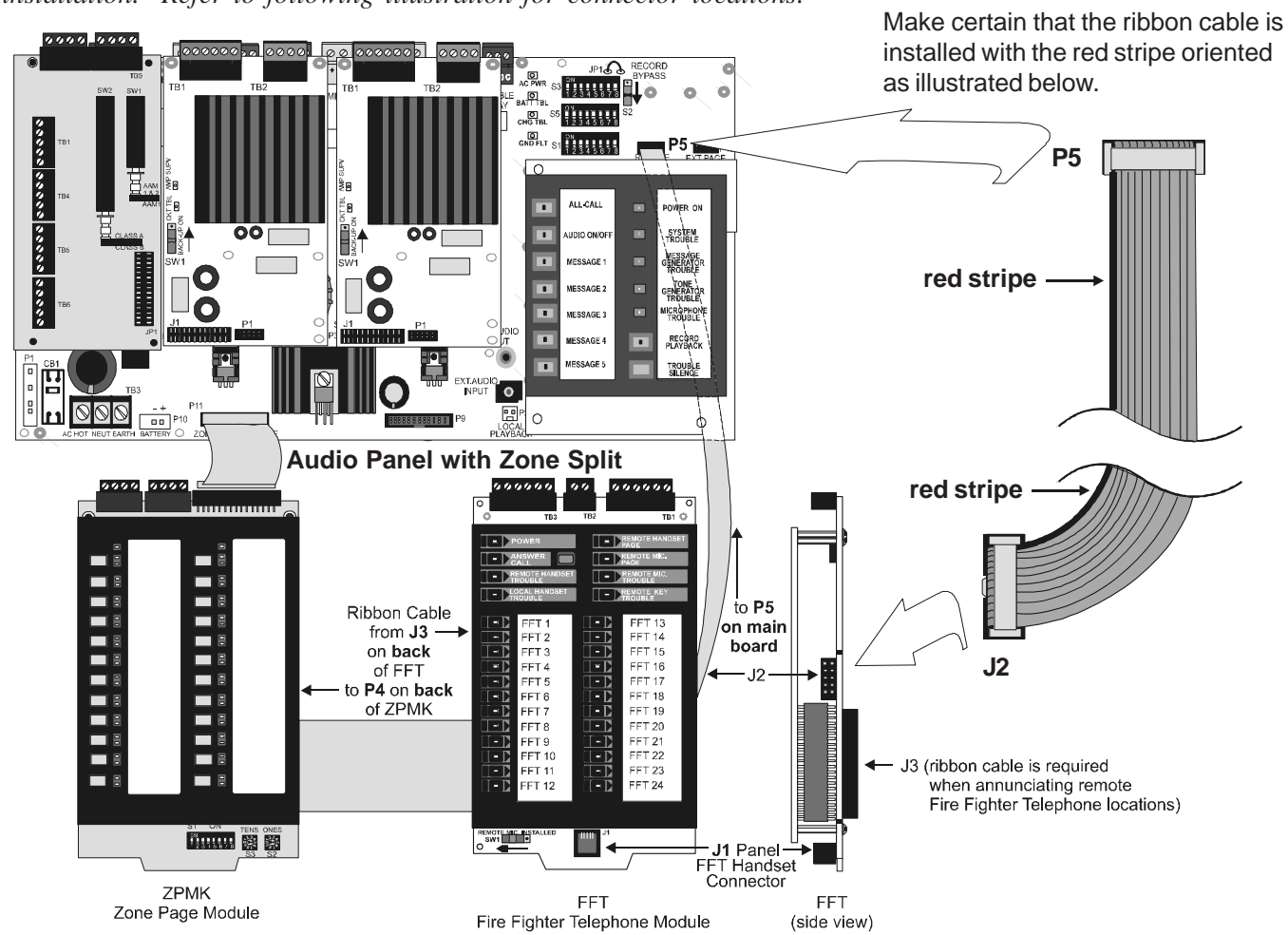The FFT Fire Fighter Telephone Module provides supervision, annunciation and control for local and remote telephone handsets as well as an optional remote microphone.

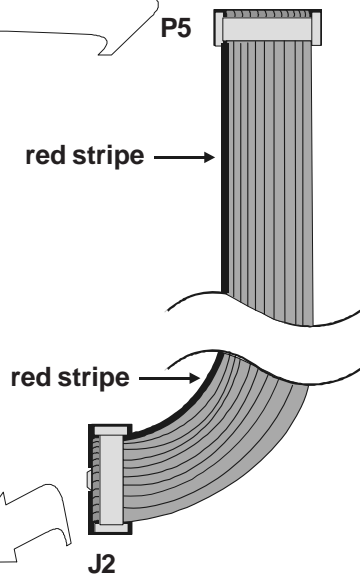*CAUTION! Make sure to observe all of the following precautions:*
- *Remove all power (AC and DC) before installing or removing any modules since damage to components may occur if power remains applied.*
- *Circuit boards contain static-sensitive components. Always ground yourself with a proper wrist strap before handling any boards so that static charges are removed from the body. Use static suppressive packaging to protect electronic assemblies.*

FFT Replacement

1. Make certain that AC and DC power have been removed from the panel.
2. Unplug the terminal block connectors from TB1, TB2 and TB3 located on the top edge of the defective FFT board (label to ensure reinstallation in correct positions).
3. Unplug the panel telephone handset from Phone Jack J1 located on bottom center of the defective FFT board.
4. Remove two mounting screws which hold the defective FFT board to the mounting bracket standoffs and set aside.
5. Carefully lift the defective FFT board from the slot in the bottom of the mounting bracket.
6. Remove the ribbon cable connectors from J2 on the right side of the board and J3 on the back of the defective FFT board.
7. Connect cable between J2 on the new FFT board and P5 on Zone Split Audio Panel main circuit board as illustrated below.
8. If telephone call-ins are to be annunciated on the ZPM, connect cable between J3 on the FFT and P4 on the back of the ZPM(K) module. *Note that the J3 and P4 ribbon cable connectors are keyed to prevent incorrect installation. Refer to following illustration for connector locations.*

Make certain that the ribbon cable is installed with the red stripe oriented as illustrated below.

9. Insert the bottom of the new FFT board in the slot located in the bottom right of the mounting bracket as indicated in illustration below.
10. Secure the module to the mounting bracket standoffs with the two mounting screws.
11. Wire the terminal blocks TB1, TB2 and TB3 as described in the illustration below. Plug the terminal block connectors which were disconnected in step 2 into TB1, TB2 and TB3 located on the top edge of the FFT.
12. Plug the panel telephone handset into Phone Jack J1 on bottom center of FFT.
13. Set switch SW1 to correct position. SW1 positioned to the left (as illustrated below) indicates that the remote microphone is installed. SW1 positioned to the right indicates that a remote microphone is not installed.
14. Set switch SW2 to correct position. SW2 positioned up (as illustrated below) indicates that the audio wiring to the Remote Page Jack is configured for 2-wire Class B.
15. Reapply AC and DC power
16. Program the host FACP for proper operation with the Audio Panel
17. Test the panel for proper operation.

Terminal Block Connectors

TB3 TB2 TB1

SW2

Ribbon Cable Connectors
J2 (on side)
J3 (on back)

SW1 J1 FFT

Standoff Standoff

Slot

Mounting Bracket

Remote Microphone Wiring to FC-RMM

Power Ground +Audio -Audio Earth

1 2 3 4 5 6 TB3

SW2
2 WIRE
4 WIRE

Remote Page Jack Keyswitch used for All-Call Phone Paging (4.7KΩ ELR required after last RPJ Keyswitch or at TB2 if Keyswitch is not used)

1 2 TB2

SW2 switch position shown for 2-wire Class B telephone connection

Audio Wiring to Remote Page Jack

(4.7KΩ ELR required after last RPJ for **Class B wiring only**)

Class A Return Class B Out

+ shld - + shld -

1 2 3 4 5 6 TB1

REMOTE MIC. INSTALLED
SW1
switch position shown for remote microphone installed

FFT
Fire Fighter Telephone Module

(side view)