Motorola M1225 Interface

The following items are included in the Motorola M1225 interface kit:

1. M1225 interface cable assembly.
2. Cable tie.
3. One short piece of heat shrink.
4. One short piece of wire wrap wire.
5. Instruction sheet.

The following steps outline the procedure for interfacing the Motorola M1225 radio to the TrakIt-20.

1. Set the TrakIt-20 up for a bench test and use the AVL Installer program to set the following operating constants in the installer table to the indicated value:

Transmit indicator active: 4ch	Low
Transmit indicator active: 20ch	High
Receive indicator active:	High
PTT output active:	Low
Enable Tx indicator as event 2:	No
External output active:	Low
External output mode:	Speaker mute

2. Configure the following jumpers as indicated:

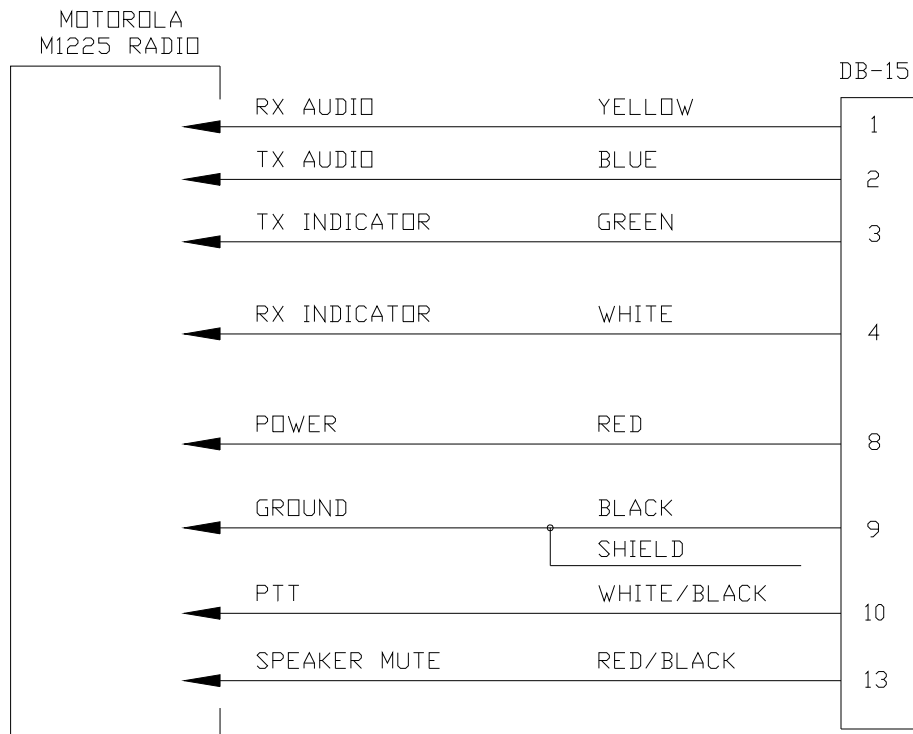 | | |
   |---|---|
   | JP1 | Removed |
   | JP4 | A-B 1225 |
   | JP4 | B-C 1225 LS |

3. Program pin 8 of the accessory connector of the M1225 radio for CSQ output active high.

4. Remove the top cover of the M1225 radio.

5. Pass the green wire and red/black wire through the slot next to the accessory connector in the back of the M1225 radio.

6. The green wire of the M1225 interface cable for a 20-channel radio should be connected to the right side of L284 on the Main Board. Use a piece of wire wrap wire to make this connection and heat shrink.

7. The green wire of the M1225 interface cable for a 4-channel radio should be connected to the junction of DS1005 and Q1005 on the Display Board. Use a piece of wire wrap wire to make this connection and heat shrink.

8. The red/black wire of the M1225 interface cable should be connected to U501 pin 8.

Motorola M1225 Interface (cont'd)

9. Insert the remaining wires of the M1225 interface cable into the radio's accessory connector as follows:

Pin #	Wire
2	Blue
3	White/Black
7	Black/Shield
8	White
11	Orange
13	Red

10. Secure the M1225 interface cable to the accessory connector with the cable tie strap. Connect the accessory connector to the radio.

11. Replace radio cover.

12. Connect the DB-15 end of the M1225 interface cable to the DB-15 connector on the back of the TrakIt-20.

13. Check the TrakIt-20's audio levels by performing the alignment procedure described in this manual.

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MOTOROLA
M1225 RADIO
                                                            DB-15

        RX AUDIO                    YELLOW
                                                          1
        TX AUDIO                    BLUE
                                                          2
        TX INDICATOR                GREEN
                                                          3

        RX INDICATOR                WHITE
                                                          4

        POWER                       RED
                                                          8

        GROUND                      BLACK
                                                          9
                                    SHIELD
        PTT                         WHITE/BLACK
                                                          10
        SPEAKER MUTE                RED/BLACK
                                                          13
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**Motorola M1225 Interface Cable Kit
106-MOTOSM50**

Item	Description	Part No.	Qty.
1	CABLE TIE (SHORT)	200-0081	1
2	SCREW/CLIP KIT	231-0014	1
3	CONN DB15 MALE	231-0035	1
4	COVER DB15	231-0036	1
5	AMP, PINS	234-0096	6
6	CBL, 8 CONN 22 AWG STR	800-1114	1'