Kenwood TK-860 Interface

The following items are included in the Kenwood TK-860 cable interface kit:

1. Kenwood TK-860 interface cable assembly.
2. Instruction sheet.

The following steps outline the procedure for interfacing the Kenwood TK-860 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:
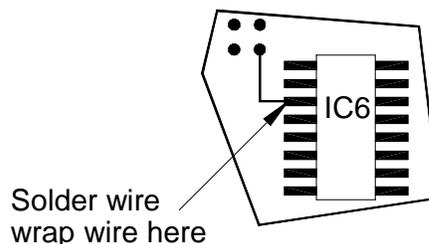
Transmit indicator active:	Low
Receive indicator active:	High
PTT output active:	Low
Enable mic mute gate on transmit:	Yes
Enable Tx indicator as event 2:	No
External output active:	High
External output mode:	Speaker mute

2. Configure the following jumpers as indicated:

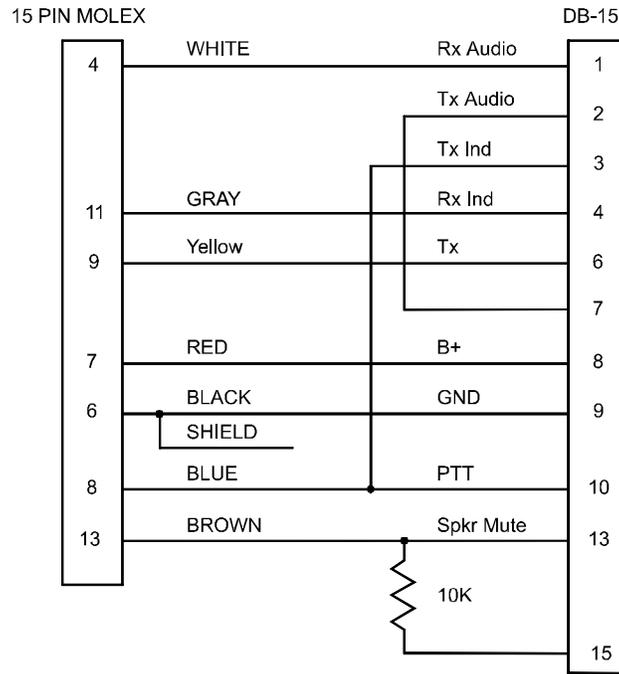 | | |
   |---|---|
   | JP1 | In |
   | JP4 | B-C |

3. On the TrakIt-20 Board remove C58.

4. Install the KCT-19 accessory cable into the radio as specified in the radio manual.

5. Connect the interface cable between the radio's accessory connector and the TrakIt-20.

6. Align TrakIt-20 levels as described in TrakIt-20 manual.

NOTE: If PL or DPL is used, cut yellow wire on accessory connector CN1. Solder and heat shrink a 6-inch piece of wire wrap wire to it. Solder the other end of the wire wrap wire to IC6 pin 3 under cover in radio as shown below.

Solder wire wrap wire here

Kenwood TK-860 Interface (cont.)

15 PIN MOLEX			DB-15
4	WHITE	Rx Audio	1
		Tx Audio	2
		Tx Ind	3
11	GRAY	Rx Ind	4
9	Yellow	Tx	6
			7
7	RED	B+	8
6	BLACK	GND	9
	SHIELD		
8	BLUE	PTT	10
13	BROWN	Spkr Mute	13
		10K	
			15

KENWOOD TK-860 INTERFACE CABLE KIT

Item	Description	Part No.	Qty.
1	HEAT SHRINK TUBE 3/8	199-6099	1
2	SCREW/CLIP KIT	231-0014	1
3	MOLEX PIN MALE	231-0034	7
4	CONN DB15 MALE	231-0035	1
5	COVER DB15	231-0036	1
6	CONN 15 POS MOLEX	231-0054	1
7	10K RESISTOR	312-0011	1
8	10 COND CABLE	800-1115	6"