

## Midland 70-9020 Interface

The following items are included in the Midland 70-9020 interface kit:

1. Midland 70-9020 interface cable assembly.
2. Cable tie.
3. Instruction sheet.

The following steps outline the procedure for interfacing Midland 70-9020 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:	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	IN
JP4	BC

3. Solder the following wires to the points described below:

Solder the ORANGE wire to J408 pin 12.  
Solder the BLUE wire to J410 pin 6.  
Solder the GREEN wire to the tab of Q704.  
Solder the WHITE wire to IC 901 pin 21.  
Solder the RED wire to IC401 pin 1.  
Solder the BLACK wire to J415 pin 7.  
Solder the WHITE/BLACK wire to J407 pin 7.  
Solder the RED/BLACK wire to J408 pin 7.

4. Connect the DB-15 end of the Midland 70-9020 interface cable to the DB-15 connector on the back of the TrakIt-20.
5. Check the TrakIt-20's audio levels by performing the alignment procedure described in this manual.

## Midland 70-9020 Interface (cont'd)

TRAKIT DB-15

MIDLAND 70-9020

1	RX Audio	ORANGE	J408 pin 12
2	TX Audio	BLUE	J410 pin 6
3	TX Indicator	GREEN	Q704 Tab
4	RX Indicator	WHITE	Pin 21 IC901
8	Power	RED	IC401 pin 1
9	Ground	BLK/SHLD	J415 pin 7
10	PTT	WHT/BLK	J407 pin 7
13	SPKR Mute	RED/BLK	J408 pin 7

**Midland 70-9020 Interface Cable Kit  
106-xxxxxxx**

<b>Item</b>	<b>Description</b>	<b>Part No.</b>	<b>Qty.</b>
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	CBL, 8 CONN 22 AWG STR	800-1114	2'