Standard GX1710U Interface

The following items are included in the GX1710u interface kit:

1. GX1710u interface cable assembly.
2. Instruction sheet.

The following steps outline the procedure for interfacing GX1710u 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:	Low
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	Cut
JP4	AB

3. Install a 10K resistor across R20 in the Trakit.

4. Modiy the radio for switched B+ at Pin 4 on the accessory connector. Switched B+ is available at Pin 2 of J7.

5. Connect the DB-15 end of the GX1710u interface cable to the DB-15 connector on the back of the TrakIt-20. Connect the DB-9 connector to the back of the radio.

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

These notes assume that the radio is being used strictly for Trakit data.

The microphone should not be installed due to the fact that the mic element is hot all of the time.

The radio could possibly be modified for Mic Mute by connecting Pin 9 of the DB-9 accessory connector to Pin 9 of J7. It could also be modified for Speaker Mute by connecting Pin 6 of the DB-9 accessory connector to Q1003 pin 1 (audio amp).

Although they should work, neither Mic Mute or Speaker Mute have been factory tested at this point.

Standard GX1710U Interface (cont'd)

TRAKIT 20 DB-15			STANDARD GX 1710U DB-9
1	RX Audio	Orange	2
2	TX Audio	Blue (*1 Meg in series*)	3 *
3	TX IND	*Connect to PTT*	7 **
4	RX IND	White	1
8	Power	Red	4
9	Ground	Black	5
10	PTT	Gray	7

* Install a 1 MEG OHM resistor in series with the TX audio line.

** There was not a suitable point found for the TX indicator. It was connected derectly to PTT.

Standard GX1710U Interface Cable Kit
106-xxxxxxx

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	CBL, 8 CONN 22 AWG STR	800-1114	1'