

RELM SMV40 Interface

The following items are included in the RELM SMV40 cable interface kit:

1. RELM SMV40 interface cable assembly.
2. Cable tie.
3. Instruction sheet.

The following steps outline the procedure for interfacing the RELM SMV40 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:	No
Enable Tx indicator as event 2:	No
External output active:	Low
External output mode:	Speaker mute

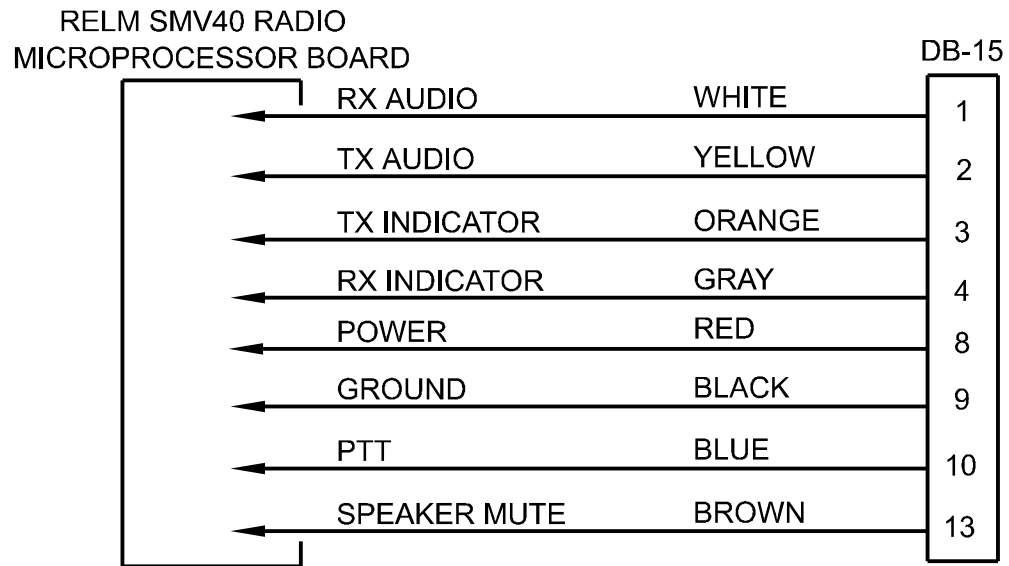
2. Configure the following jumpers as indicated:

JP1	Add 2M ohm resistor
JP4	A-B

3. On the TrakIt-20 Board remove R49 and cut D4.
4. Install 22uF 16V capacitor across Q1. Positive lead of the capacitor goes to the base (center lead) of Q1. Negative lead of capacitor goes to the emitter (ground). This capacitor is needed to prevent radio from going into program upon power up.
5. Remove covers from radio.
6. Remove hole plug in back of radio and feed RELM SMV40 cable through hole and tie strap on inside for strain relief.
7. Connect the wires of the RELM SMV40 interface cable to the following points on the Microprocessor Board in the radio as shown below:

White	P202 pin 12
Yellow	P201 pin 4
Orange	P201 pin 10
Gray	R267
Blue	P201 pin 10
Red	Positive side of C347
Black	P201 pin 3
Brown	U201 pin 13

RELM SMV40 Interface (cont.)



8. Replace radio covers.
9. Connect the DB-15 end of the RELM SLV40 interface cable to the DB-15 connector on the back of the TrakIt-20.
10. Check the TrakIt-20's audio levels by performing the alignment procedure described in the TrakIt-20 manual.

RELM SLM40 INTERFACE CABLE KIT 106-RELMSMV

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	10 COND CABLE	800-1115	1'