

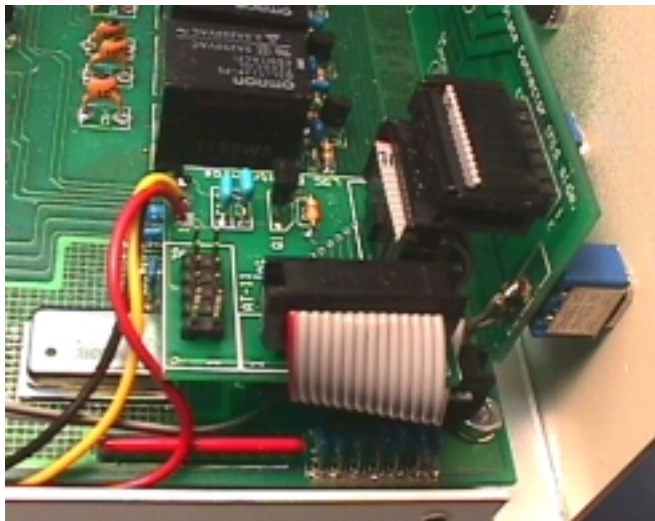
The AT-11 Accessory Interface ACC-11



The AT-11 Accessory Interface (ACC-11) adapter can be installed to allow the owner's of ICOM IC-706 radios to activate the tuning sequence from the front panel of their radio via the tune button. The adapter comes with a 6 foot cable to connect to the IC-706.

Also, the ACC-11 can be installed to allow use of the Remote Control Head designed for the AT-11MP. This small control box allows the operator to mount the AT-11 in a remote location... in the trunk, outside on the tower, etc. The remote head provides control of the tuning process, including tune activation, mode control, capacitor and inductor switches for manual control. 2 LEDs indicate tune in progress and tuned SWR at less then 1.5:1.

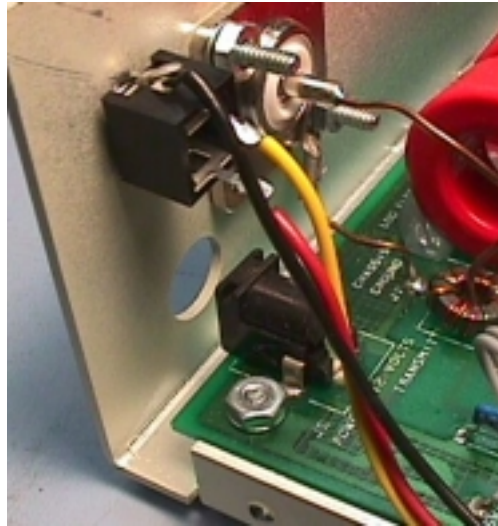
The remote head is available separately in kit and assembled form. The Remote Head includes a 10 foot cable. The cable is a Female to Female shielded DB-9 and all 9 wires are used. The cable can be extended to over 100 feet.



The AT-11 Accessory Interface installed in a Version 2.4 tuner.

The ACC-11 includes one assembled PC board and three cable assemblies. The 14 pin IDC to 14 pin IDC ribbon cable is used to interface from the AT-11 PC board to the ACC-11 PC board. The 10 pin IDC to Male DB-9 ribbon cable is used to interface from the ACC-11 to the Remote Head. The separate 6 foot cable, a stereo 1/8 plug to a 4 pin Molex, is to interface between the AT-11 and the IC-706.

The interface requires a .250 inch hole be drilled on the back panel of the AT-11. This hole will be used for the 706 interface attachment cable. The stereo jack is mounted as shown in the photo below.

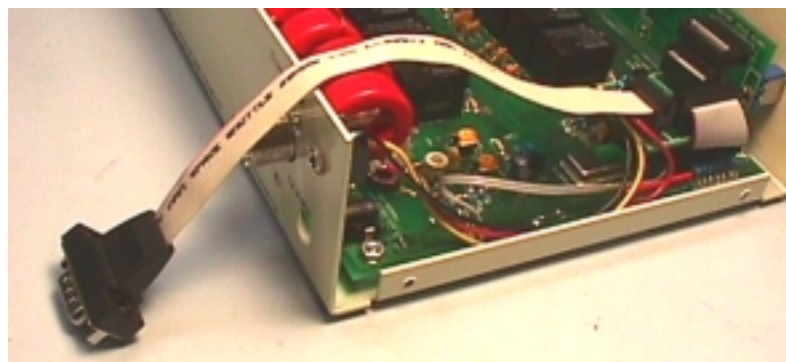


Mounting position of 706 connection.

Installing the AT-11 Interface Accessory in an AT-11 2.0, 2.1, 2.4 or 2.5. Disconnect the ribbon cable going to the front panel buttons and LEDs. Connect that cable to J3 of the ACC-11. Be sure to notice the polarity of the connections. Pin 1 is marked on the ACC-11.

Using the supplied 14 pin IDC ribbon cable, connect one end to J1 of the ACC-11 and the other to end to J3 of the AT-11. Be sure to notice the polarity of the connections. Pin 1 is marked on the ACC-11.

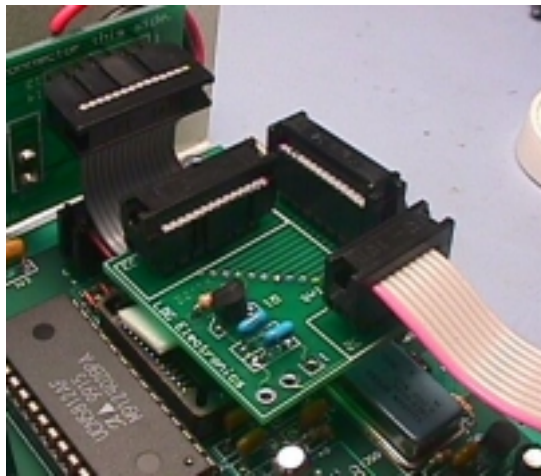
If the remote head will be used, connect the 10 pin IDC ribbon cable to J2 of the ACC-11. The other end will exit the tuner at the top of the chassis near the back of the tuner. Be care not to overtighten tighten the lid when re-installing to prevent damaging the ribbon cable.



Installing the AT-11 Interface Accessory in an AT-11 2.4 or 2.5. Disconnect the ribbon cable going to the AT-11 front panel PC board. Connect that cable to J3 of the ACC-11. Be sure to notice the polarity of the connections. Pin 1 is marked on the ACC-11.

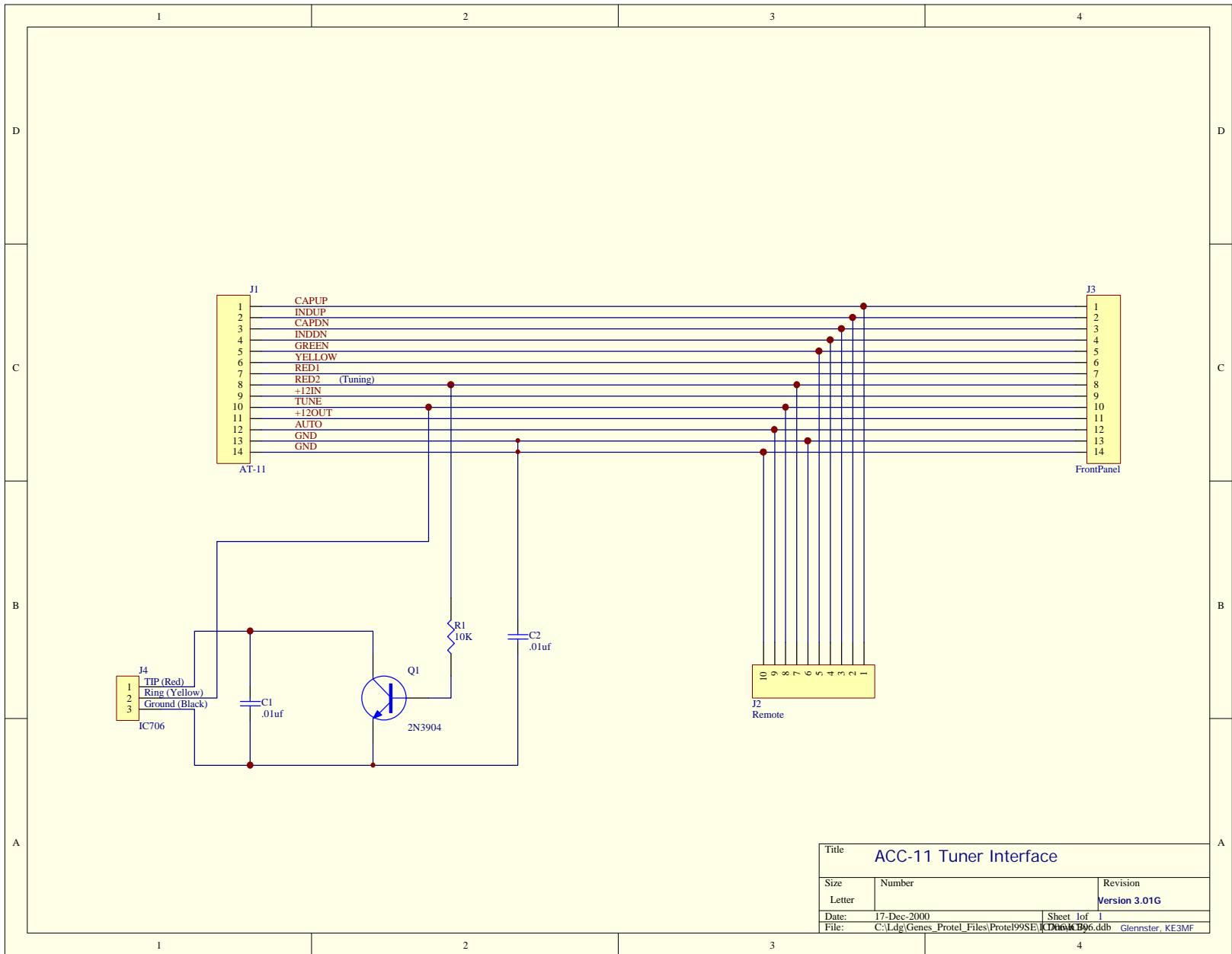
Using the supplied 14 pin IDC ribbon cable, connect one end to J1 of the ACC-11 and the other to end to J3 of the AT-11. Be sure to notice the polarity of the connections. Pin 1 is marked on the ACC-11. The AT-11 V2.5 will require a twist in the ribbon cable for this connection.

If the remote head will be used, connect the 10 pin IDC ribbon cable to J2 of the ACC-11. The other end will exit the tuner at the top of the chassis near the back of the tuner. Be care not to overtighten tighten the lid when re-installing to prevent damaging the ribbon cable.



Once installed, the AT-11 will work with the tune button on the front panel of the IC-706. The 706 may need to be powered off, then back on to recognize the tuner's presence. Pressing and holding the 706 tune button will cause the 706 to switch to CW mode, transmit 10 watts and send a tune signal to the AT-11. The tuner will find the best match and send a signal back to the 706 when it is finished. The 706 will stop transmitting and return to previous mode. It is best to leave the AT-11 in the Semi mode when being used with an IC-706.

The interface to the remote head will work as described in the remote head manual. Basically, all functions (except power) from the front panel of the AT-11 are duplicated on the remote head.



Title			ACC-11 Tuner Interface		
Size	Number			Revision	
Letter				Version 3.01G	
Date:	17-Dec-2000	Sheet	1 of		
File:	C:\Ldg\Genes_Protel_Files\Prote1995E\K1006\IC706.ddb	Glennster.	KE3MF		