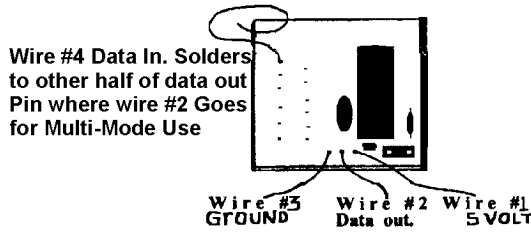


R2, V5 CFT Multi & Non-Multi Mode Test Module



This Test Module is designed to provide full service TEST MODE activation for most Jerrold CFT20xx, DP7, DPV7, and DPBB7 series converters. Some versions also provide activation for CFT22xx models.

NOTE: BE SURE TO UNPLUG THE A.C. POWER BEFORE PROCEEDING !!

1. Remove the 4 screws on the bottom of the box. A LINEHEAD #3 driver bit may be used for this, or a pair of wire cutters placed across opposite notches while slowly turning will also work.

2. Locate the drawing that most resembles your box

3. Connect wires 1, 2, and 3 of the test module according to the drawing selected to right. Wire #1 to pin #28 of the 28 pin chip or socket in the box Wire #3 to pin #14 of the same 28 pin chip or socket The jumper that wire #2 connects to MUST be cut in half and wire #2 connected to the half pointed to in Fig. 30. NOTE: A jumper is a short silver wire that looks like a staple. NOTE: If your box is not listed or if the jumpers shown are not correct for your box, then you will need to find the correct jumper. First, you will need to find a 24 pin chip normally labeled LA7770. It will be located on the bottom of the circuit board in the box If it is not marked, it will be the only 24 pin chip on the bottom Place one lead of a volt/ohm meter on pin #21 of this chip. With the other lead, touch each jumper on top one at a time until you get a near zero ohm reading. Connect wire #2 to the side of this jumper that points to the large square chip on the bottom of the circuit board in the box. Then cut the jumper in the center. If the designation "CFT, R2, or V5" does not appear in the model #, then there is NO jumper to cut. (See drawing).

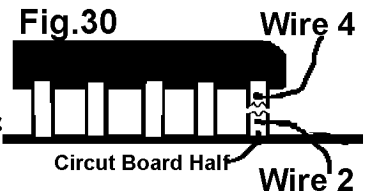
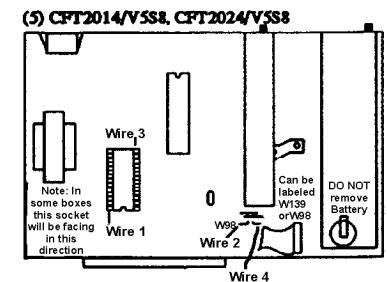
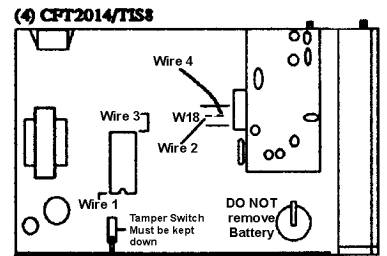
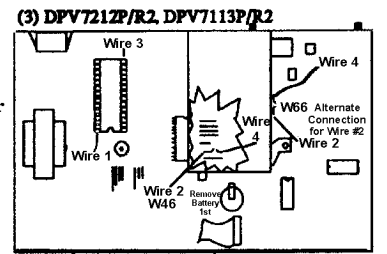
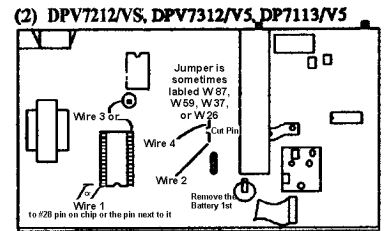
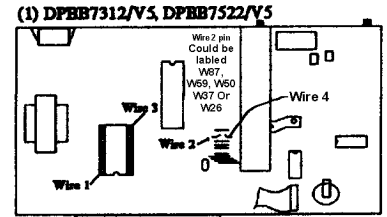
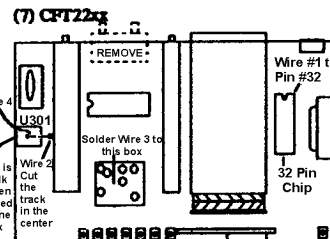
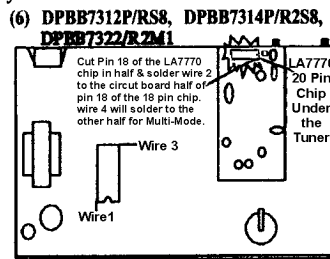
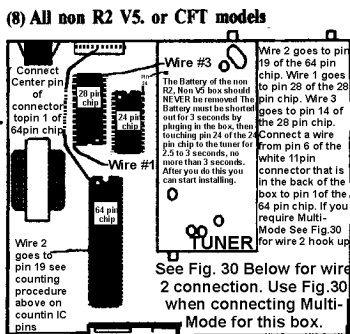
4. Insulate the bottom of the test module with some non-conductive material so that it cannot touch anything inside the box

5. Plug in the AC power to the box & press the "ON" button on top of the box. If the L.E.D. display does not light, immediately unplug the AC power & check your connections Wait 10 seconds for box to power up If the L.E.D. display lights, then unplug the cable input to the box & press "F then 4" (F, 1 on non R2, V5, CFT boxes). The L.E.D. display should look like one of the two diagrams below.



6. If data is OK, leave box plugged into the AC power for 30 min. Then unplug the AC power for 15 seconds, then plug back in. If box activates with-in 6 seconds, then you are done. If box does not activate, then leave the AC power plugged in for 2 hours, then unplug for 15 seconds and plug back in Once the box activates, then from that point on the box will always activate with-in 6 seconds.

7. HRC/ Multi-Mode operation
The box will tune standard with jumper in the default (on) position. For HRC operation unplug AC power. Remove jumper block Plug AC back in.



WARNING: This device is intended for repair or testing purposes only. It is not intended to be used to defraud any cable TV company. It is NOT intended to be installed into a cable company owned box. Furthermore, it is NOT legal to tamper with cable company owned equipment. All equipment must belong to you. Ownership of this device does NOT entitle you to free cable TV services.

Fig. 30 is for Pin 19 of Non R2, V5 Boxes and the LA 7770 DPBB P/RS8, P/R2S8 & R2M1Boxes