

RON FRANCIS

Wiring

TC-70

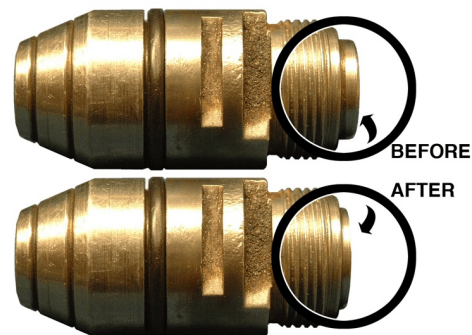
Torque Converter Lock Up Square Four Pin Connector

This kit is designed to be used with the enclosed signal generator that is installed into the speedometer cable. This unit controls torque converter lock & un-lock by vehicle speed. When the vehicle is traveling 42-47 MPH the TC-70 will send a signal to lock the torque converter. When the brake pedal is depressed or vehicle speed drops below 42-47 MPH the converter will un-lock.

Mount the blue box and the relay inside the car near the Panel (if used). Plug together the six gang connector. Uncoil the wires and run the square four gang plug with the White and Black wires and the gray plug with the Green and Brown wires to the transmission. The square plug will plug into the transmission connector that is on the left side above the pan.

NOTE: IF THIS KIT IS BEING USED ON A 200 R4 TRANSMISSION, THE CORRECT CONNECTOR FOR THAT TRANSMISSION IS NO LONGER AVAILABLE. YOU MUST RE-USE THE ORIGINAL CONNECTOR AND INSTALL THE WIRES IN THE SAME SLOTS OF THE CONNECTOR AS THEY WERE IN THE FOUR GANG CONNECTOR SUPPLIED WITH THIS KIT.

The Black wire running from the plug must be grounded to the pan. Install the signal generator in the speedometer cable at the transmission. **Note: If your speedometer cable connection has the short extension as shown in the drawing to the right it must be shortened to allow the generator to screw on.**



Plug the white plug with the Brown and Green wires into the signal generator.

Connect the purple wire to the purple wire running from the brake light switch if you have the Express or Bare Bonz Panel or to #53 on the Advantage Panel or to the cold side of the brake switch (hot only when the brake pedal is depressed). The orange wire is connected to #B on the Express or Bare Bonz II Panels, #27 on the Advantage Panel, or a 12 volt keyed ignition source. The black wire must be grounded.

Double check that no wires are touching the exhaust pipes or they will get burned or damaged.

Testing or adjusting TCC Lock-up using the supplied indicator light! The white wire printed TCC IND LIGHT is connected to the supplied dash mounted indicator light. After mounting the light, connect this white wire to the RED wire running from the light. The yellow wire from the light connects to a good ground. The light will turn on indicating the converter is being signaled to lock-up when the vehicle is being “driven above” the set speed (40-50 MPH) of this unit. **NOTE: This light DOES NOT need to be permanently installed for the system to function properly.**

The TC-70 unit is set to lock the converter at 42-47 MPH. It is best that this happen after the transmission shifts to 4th gear. If lock-up is above or below 42-47 MPH, connect an L.E.D. or test light as described above to the white TCC IND LIGHT wire supplied. Remove the black rubber plug located in the blue box cover. Use a SMALL screw driver to adjust the pot just inside the cover. NOTE: It will not be necessary to move the adjustment screw very much to complete the adjustment procedure due to the sensitivity of the pot.

Leaking Transmission fluid from our pulse generator. If automatic transmission fluid is leaking from our pulse generator- **a missing or broken seal “INSIDE THE TRANSMISSION”** cable/gear plug is likely the cause.