



FORD/MERCURY CD4E ERRATIC AND/OR NO VEHICLE SPEED

COMPLAINT: Some 1999 and later Mercury Cougar's may exhibit an erratic and/or no vehicle speed being displayed in the instrument cluster. The data stream viewed through a scanner, is consistent with that which is observed in the instrument cluster.

CAUSE: One cause may be a defective radio. Most 1999 and later Mercury Cougars are equipped with a Luxury/Comfort Package. Part of this package provides a vehicle speed signal to the radio. Its purpose is to raise the volume proportional to vehicle speed, to compensate for the increased road noise experienced during higher driving speeds. The vehicle speed signal is simultaneously sent to both the PCM and speedometer. From the speedometer, it is sent to the radio, thru the C141 junction connector as seen in the wiring schematic provided for you in Figure 1. When the radio malfunctions, it effects the vehicle speed signal to both the speedometer and the PCM. This will also effect shift strategy.

CORRECTION: Remove the radio retaining brackets, so that you can pull it forward out of the dash, as shown in Figure 2. There is enough wiring to gain access to the rear of the radio as shown in Figure 3. There you will find three connectors plugged into the back of the radio. The center connector will contain a White wire with a Green tracer. Unplug this connector and drive the vehicle. If the vehicle speed signal problem no longer exists, the radio is defective and will need to be replaced.

COMPONENT LOCATIONS:

Speed Control Module Refer to Figure 4
Junction Connector Number C141 Near Instrument Cluster and Fuse Block

*Compliments of:
Sonny at Pinpoint Diagnostics
and
Glenn Myers at Bayport Trans*

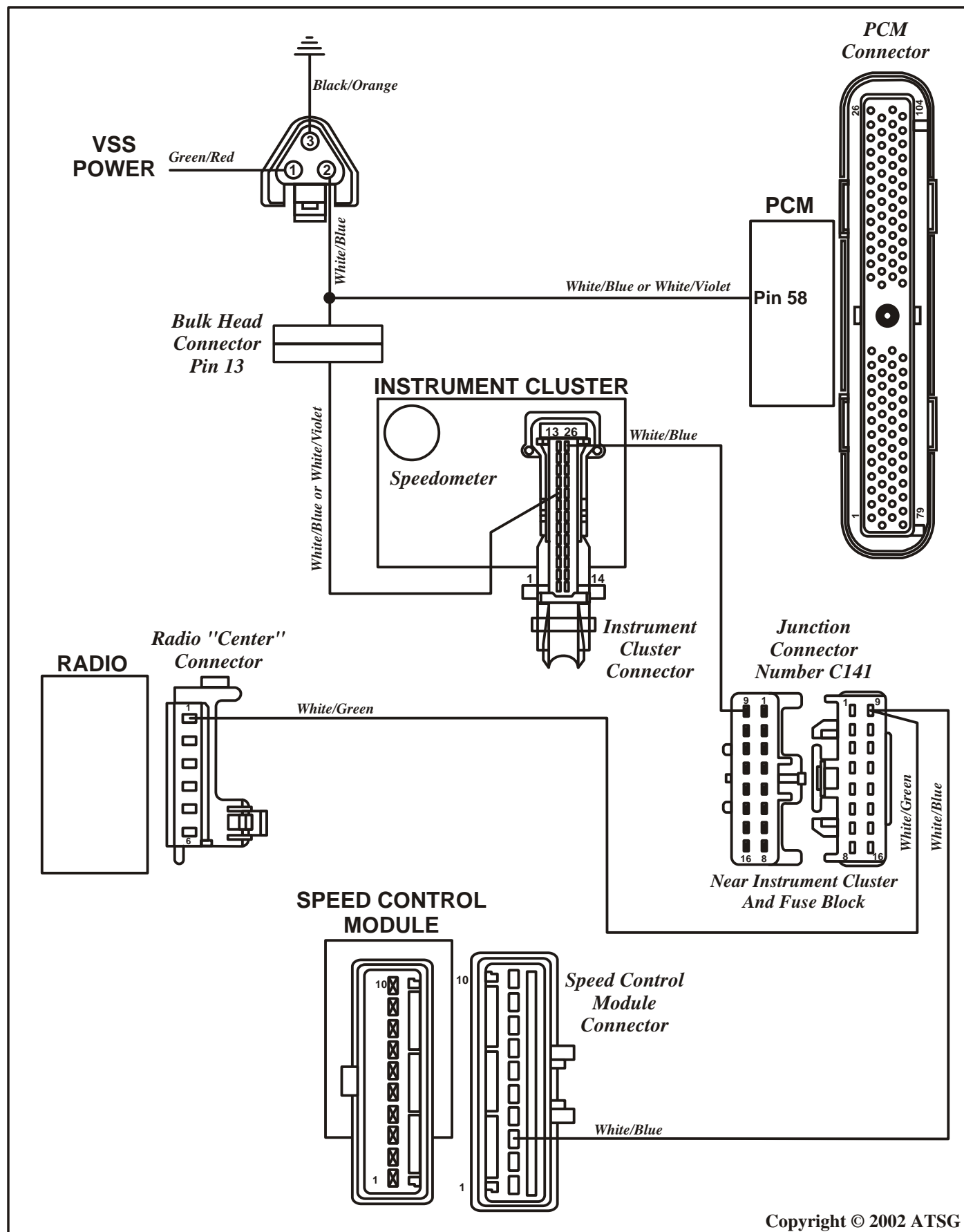
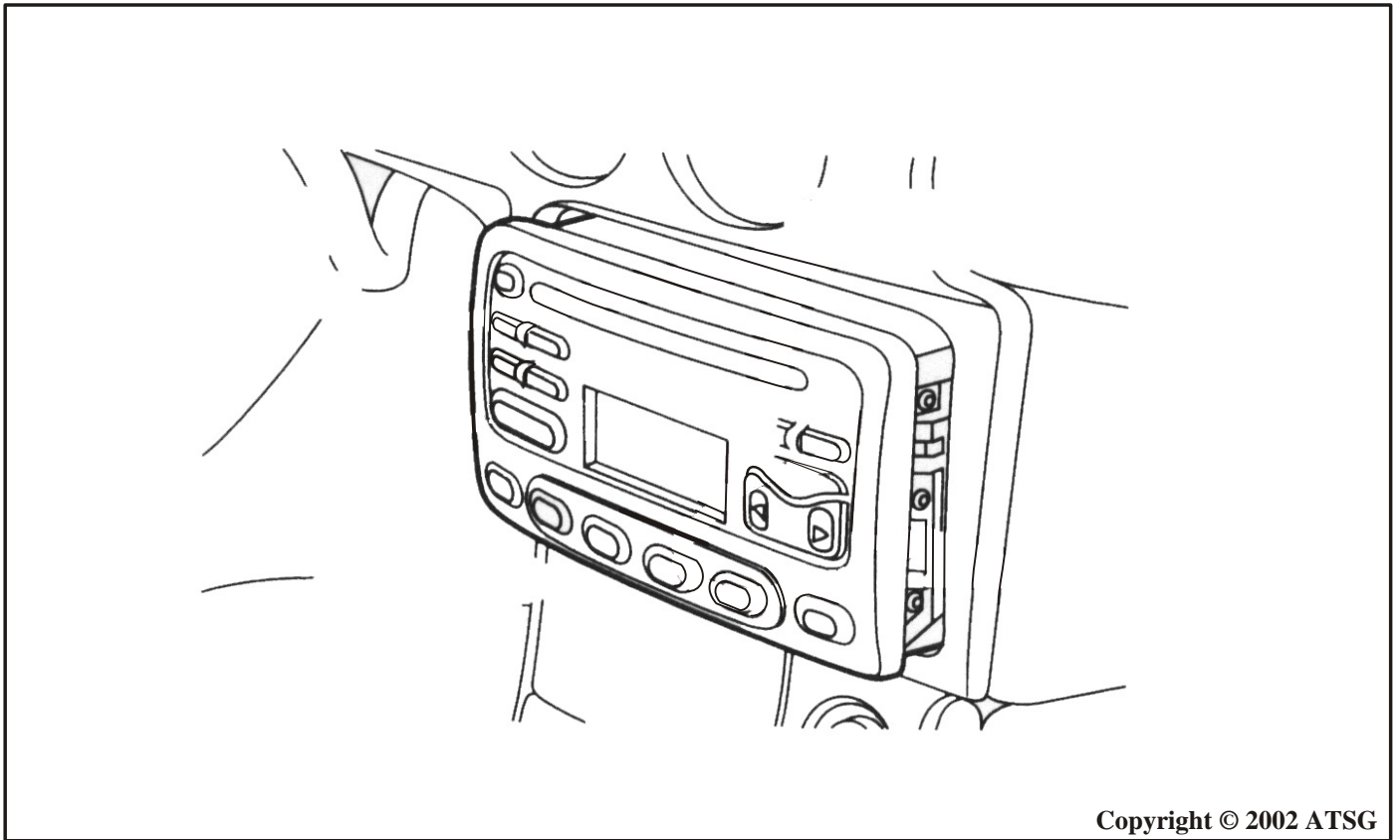
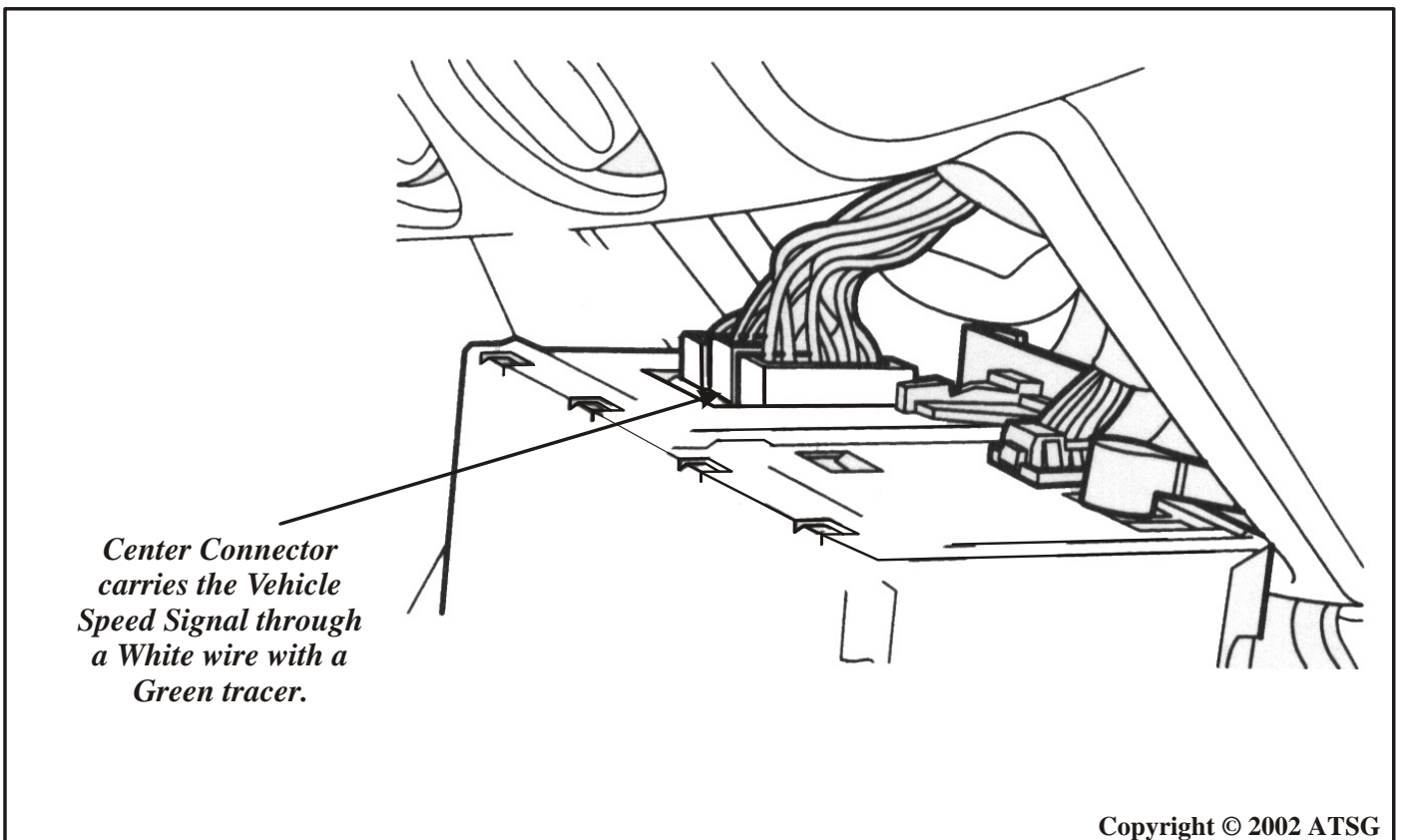


Figure 1



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Figure 2



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Figure 3

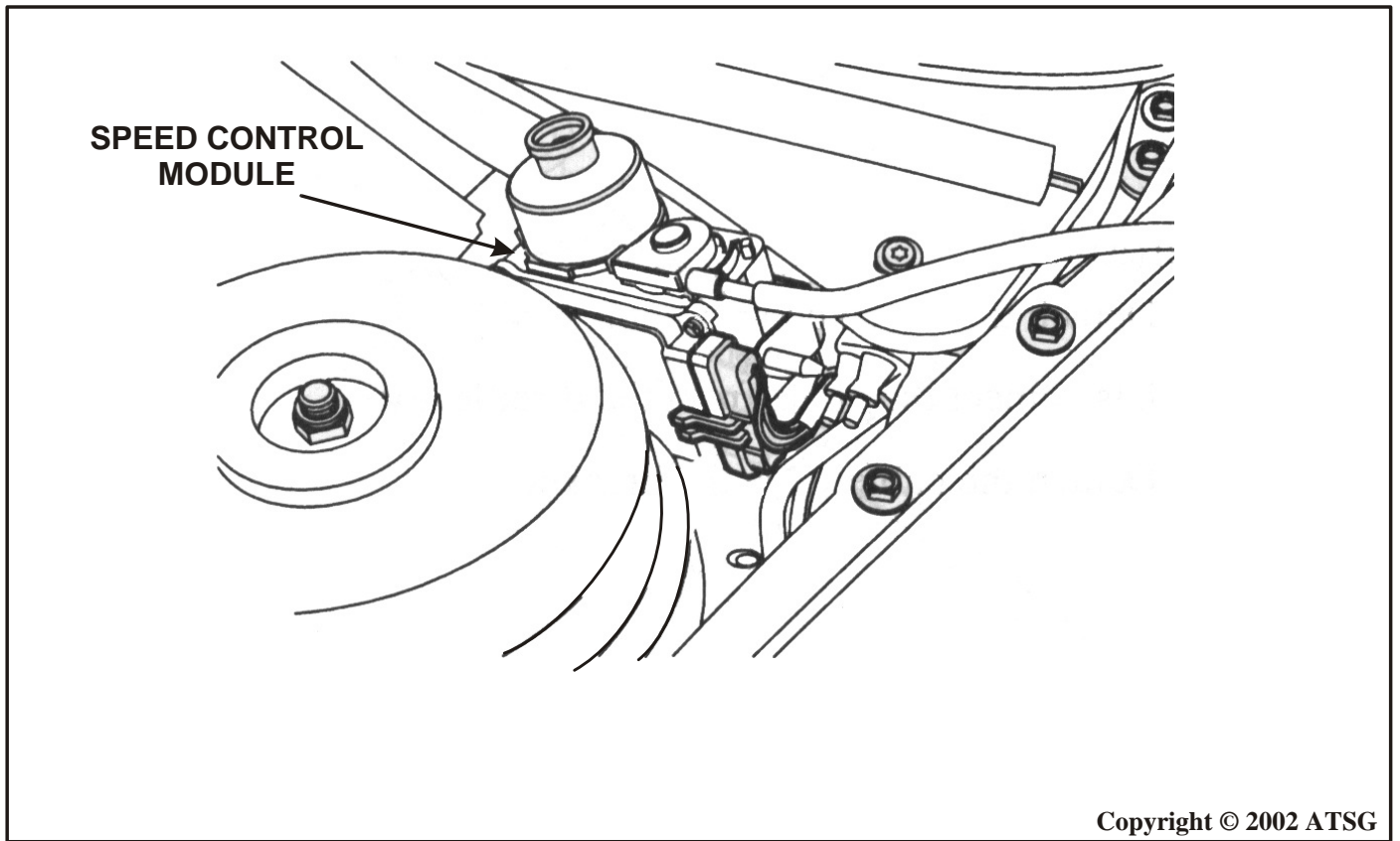


Figure 4