



TECH TIP

**TT-17-017 P0500 DTC AND SPEEDOMETER
INOPERATIVE**

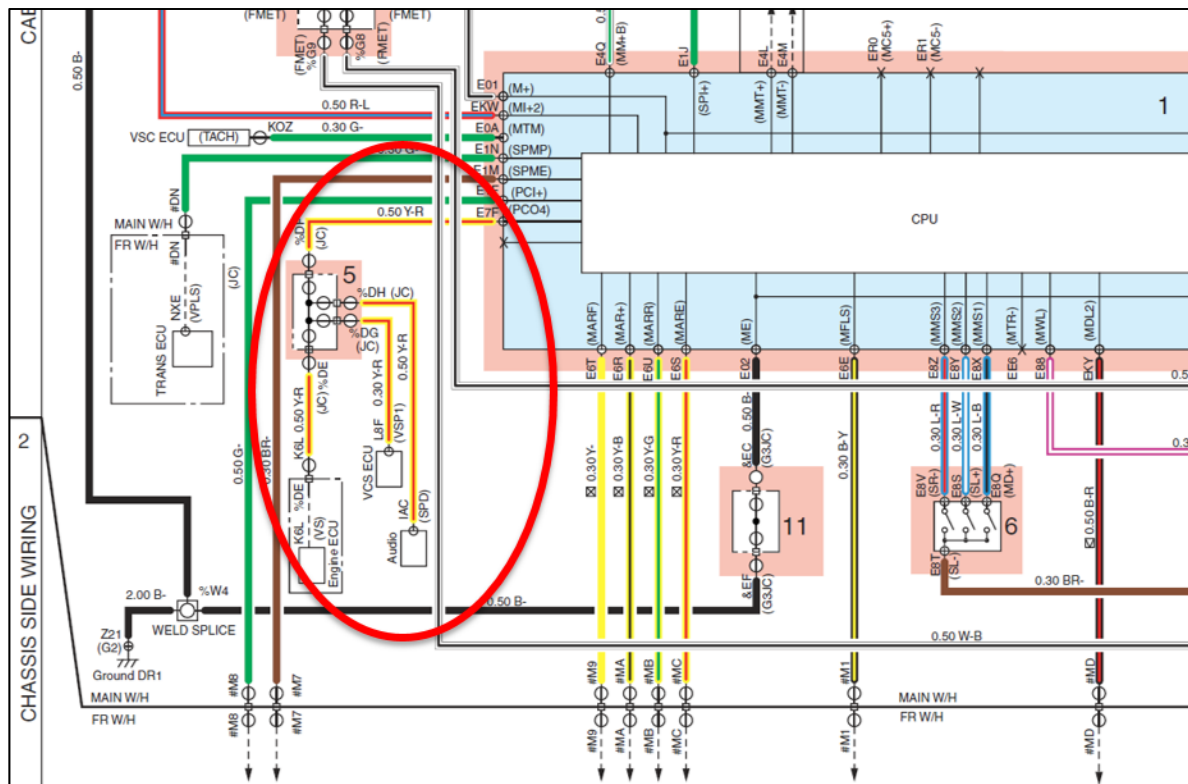
**GROUP: 0-GENERAL
BULLETIN NO: TT-17-017
DATE: 10-31-2017**

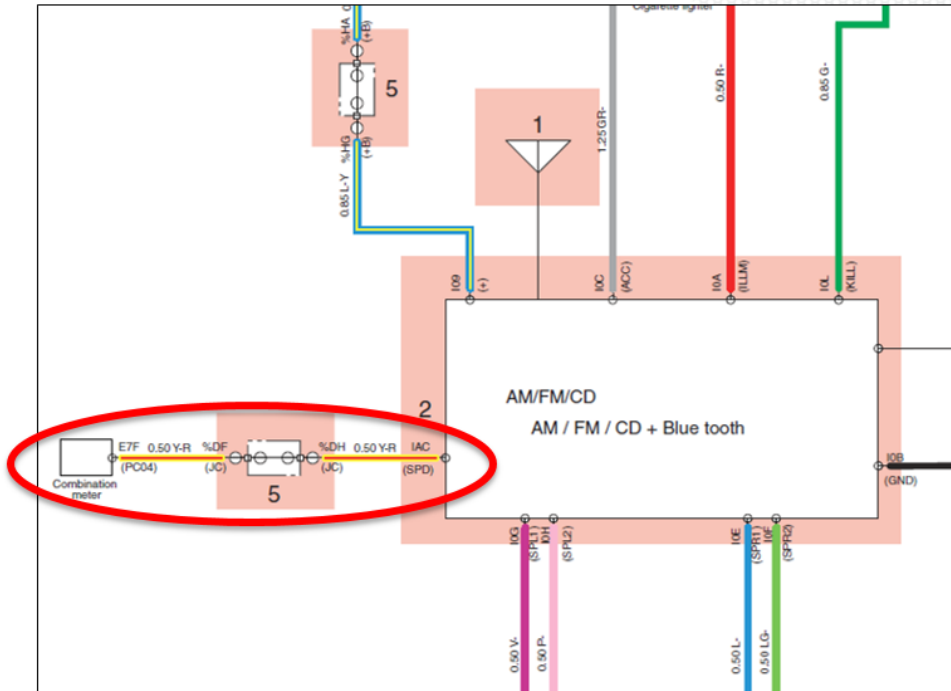
SUBJECT VEHICLES: 17MY-Current Conventional Trucks.

Note: This tech tip is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

The P0500 typically sets due to a short or sensor concern. Since the speed is sent to the meter then to the ECU, suspect a concern between the meter and engine ECU. If so, unplug the radio and see if the concern changes. A speed wire was added to the radio connectors for speed controlled radio volume. If an aftermarket radio is installed, it will short this wire, set the P0500 and cause the concern experienced. See the below wiring diagrams.



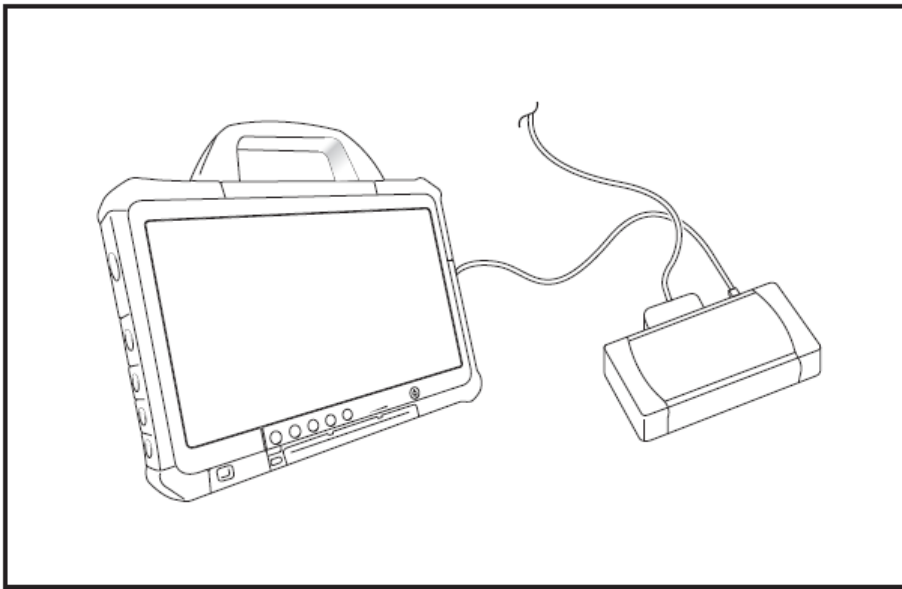


INSPECTION PROCEDURE:

1. Using the Hino DXII, verify that a P0500 DTC is the only DTC present in the vehicle. If other DTC's are present, refer to the troubleshooting section of the Hino Workshop Manual for diagnosis.



2. If a P0500 is the only DTC present, follow the procedure below to diagnose this concern.



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REPAIR PROCEDURE:

1. Carefully remove the dash panel trim cover.



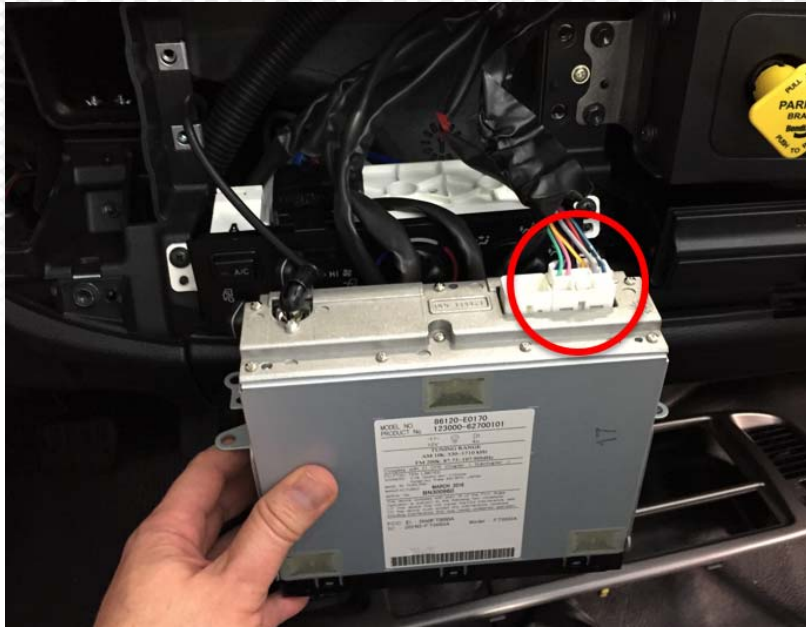
2. Release the clips from the dash panel trim cover by pulling it outward.



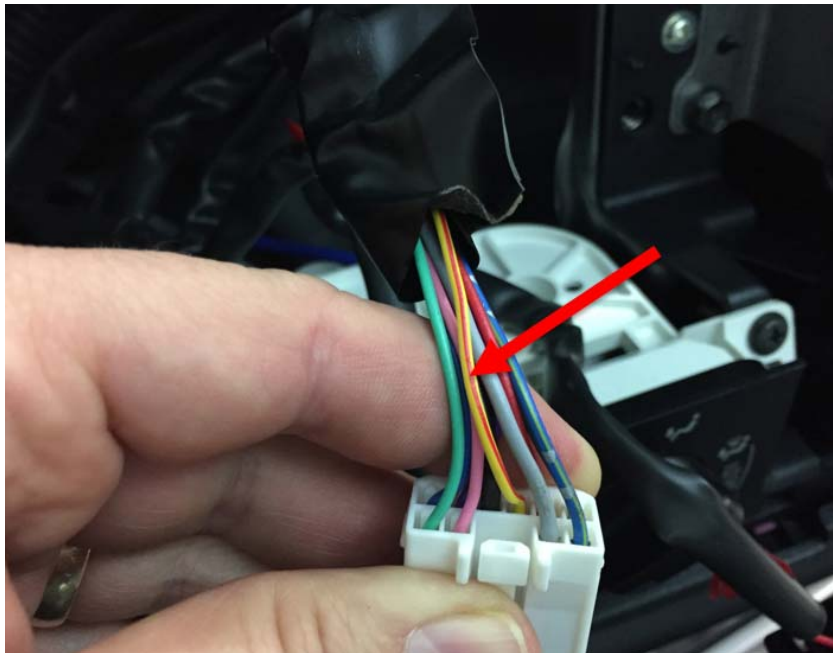
3. Remove the 4 bolts that secure the radio.



4. Pull the radio out to access the connector and wiring.



5. Inspect the yellow wire with the red tracer. If the wire was removed and tied back in the harness or used to connect to the device installed by the customer, this can be a concern. Disconnect the vehicle speed circuit from the aftermarket radio and tape the end of the wire. Secure the wire to the harness. If there is no aftermarket radio installed, remove the wire from the meter end and see if the wire is shorted. Repair if necessary.



6. Reassemble the vehicle. Using the Hino DXII, delete all DTCs from the vehicle. Test drive the vehicle to confirm the repair.



FINAL INSPECTION

1. To complete this tech tip review and confirm the following:

- The wiring has been repaired in the vehicle
- All fasteners have been properly installed
- All DTCs have been cleared from the vehicle

