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## **DuraTrans Diagnostic Instructions**

### ***Overdrive off lamp not illuminated after vehicle startup.***

- Remove six pin connector from DuraTrans module.
- Use a multimeter to perform the following checks by probing the six pin connector:
  1. Verify the red wire has 12v with the key in the run and crank positions only.
  2. Verify the black wire has good continuity to chassis ground.
  3. Verify the green wire has 12v when the OD cancel switch is held in with the key on. When the switch is released, there should be 0v.
  4. Verify the Yellow wire has 12v when the key is on.

### ***Overdrive lamp does not turn off and vehicle does not shift into overdrive when upper speed is reached.***

- Remove six pin connector from DuraTrans module.
- Use a multimeter to perform the following checks by probing the six pin connector:
  1. Have an assistant drive the vehicle. Verify the Gray wire has a frequency reading that increases with vehicle speed. The reading should be 2.2 hz per mile per hour. For example, 20 mph should read 44hz.
- ***Overdrive lamp turns off and vehicle does not immediately shift into overdrive when upper speed is reached.***

This is due to the vehicle's Powertrain Control Module not allowing the shift to overdrive due to prevailing load conditions, such as heavy loading or during acceleration.

If any of the above readings are not in spec, check all connections for opens, shorts, and proper connection locations. See instructions. If further assistance is needed, contact InterMotive Products at (530) 823-2332.