

## DODGE/CHRYSLER 62TE MULTIPLE GEAR RATIO ERRORS AFTER OVERHAUL

**COMPLAINT:** Dodge/Chrysler vehicles equipped with the 62TE, may exhibit a complaint of multiple gear ratio errors including P0731-P0736, after overhaul.

**CAUSE:** The cause may be, that during transmission overhaul, the planetary geartrain had to be replaced, and during that process, a 41TE rear planetary carrier was used by mistake. See Figure 1 and notice that there is a tooth count difference between the two carriers in the area of the park gear/reluctor. The 41TE uses the teeth for park as well as a reluctor for the Output Speed Sensor. The 62TE uses the teeth only for a reluctor the Transfer Speed Sensor. Another possibility, that creates the same trouble codes, is that during transmission re-installation, the Transfer Speed Sensor connector and the Output Speed Sensor were swapped, as they are the same type connector and they are right next to each other as shown in Figure 2.

**CORRECTION:** To correct this condition, ensure that the correct planetary carrier is used, and if that is right, refer to Figure 2 and verify that the Transfer Speed Sensor and Output Shaft Speed sensors are properly connected. Figure 2 provides common wire colors for the two sensors, although the wire colors may vary with different models.

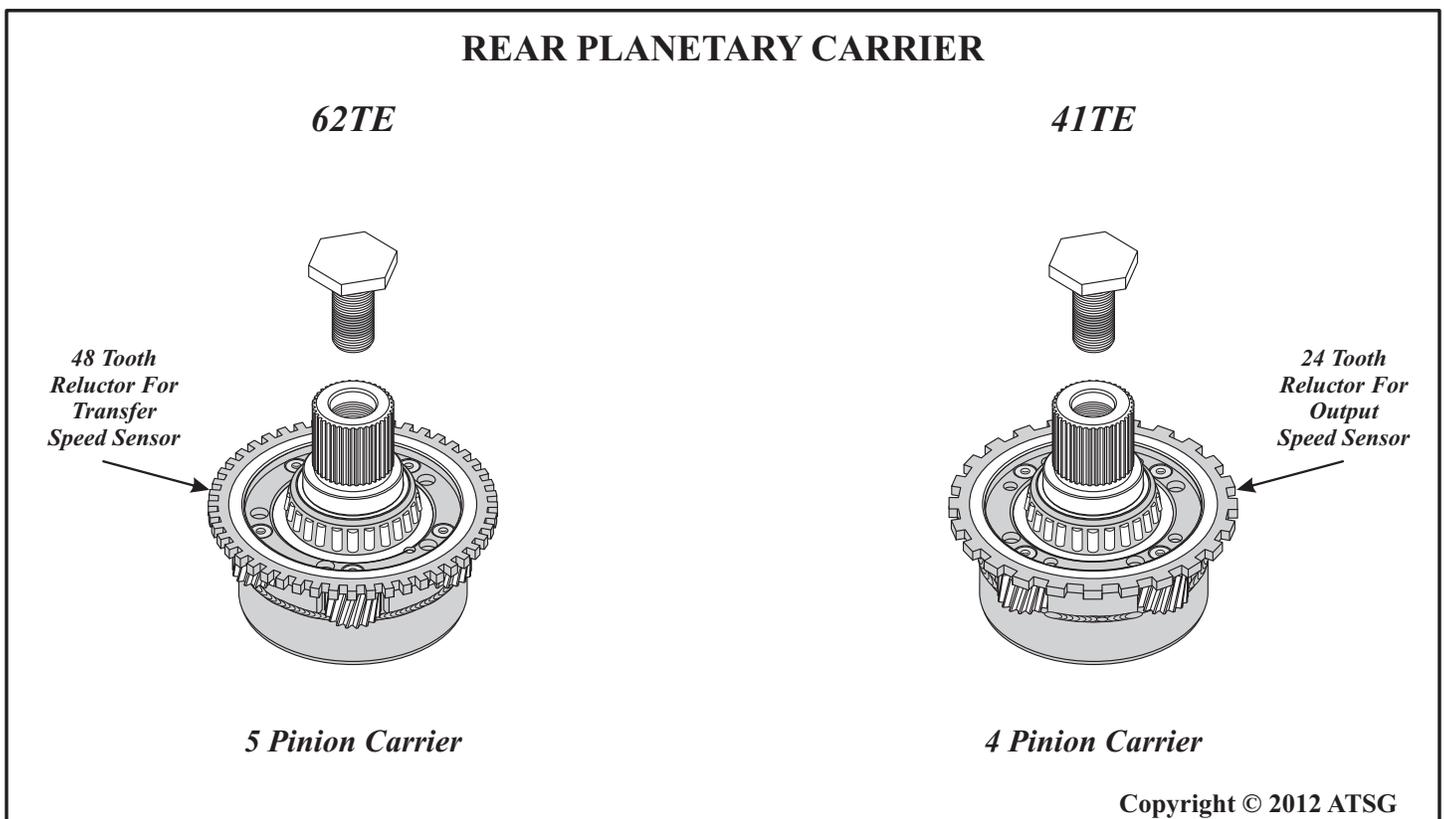
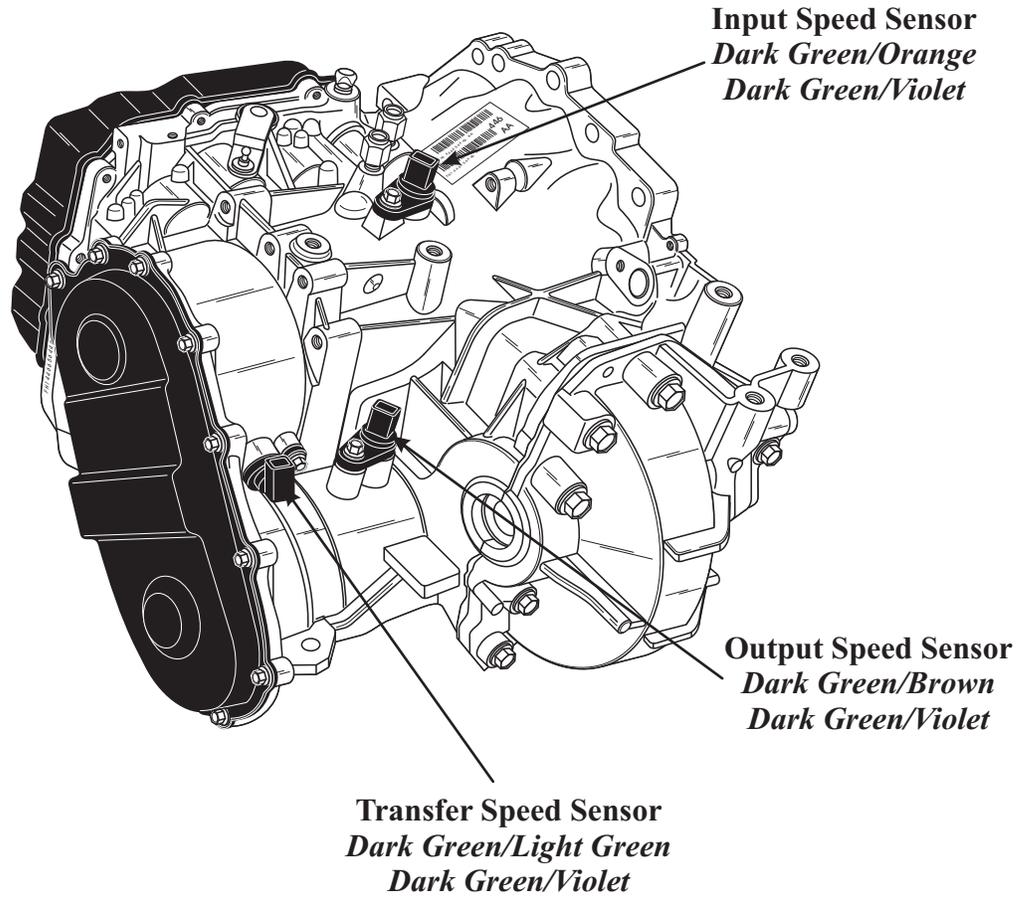


Figure 1

**62TE SPEED SENSOR LOCATIONS**



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Figure 2