



98 & UP DODGE TRUCK 46RE FAMILY INTERMITTENT NO UP-SHIFT AND SPEEDO PROBLEMS

COMPLAINT: 1998 and up Dodge trucks, equipped with the 46RE family of transmission, may exhibit an intermittent complaint of a slow reacting speedometer and a no up-shift condition.

CAUSE: The cause may be, a faulty Rear ABS sensor located on the differential housing, not producing any speedometer input to the PCM/Speedometer. To Verify, monitor Vehicle Speed, Output speed and Desired Governor pressure input on the scan tool. Notice, that when there is no speedometer operation, there will be a desired Governor pressure reading of "0" even when the vehicle is moving at 20-30 mph. **Note:** Desired Governor pressure (what the PCM wants to see on the Governor Pressure Sensor-"Actual Governor psi") is based on the Output Speed Sensor reading compared to the Vehicle Speed Sensor. If either the OSS or VSS malfunction the PCM may choose the one that is **not** operating to base the Desired Governor pressure on, which in turn can cause a "0" Desired Governor Pressure reading and a no up-shift condition.

CORRECTION: To correct this condition, replace the Rear ABS sensor, shown in Figure 1, which is located in the differential housing shown in Figure 2.

SERVICE INFORMATION:

REAR ABS SENSOR**(Chrysler part number).....56028187AE

**= *This part number applies to most 1998-2005 trucks- consult dealer with VIN to verify.*

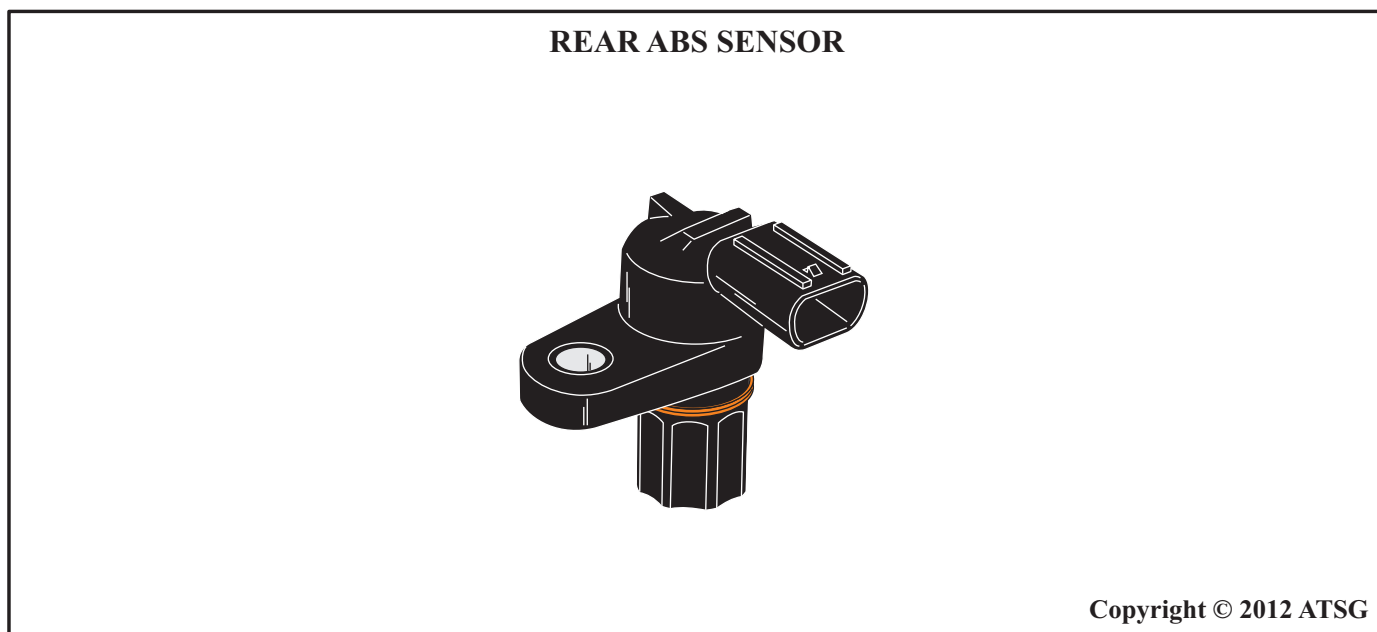
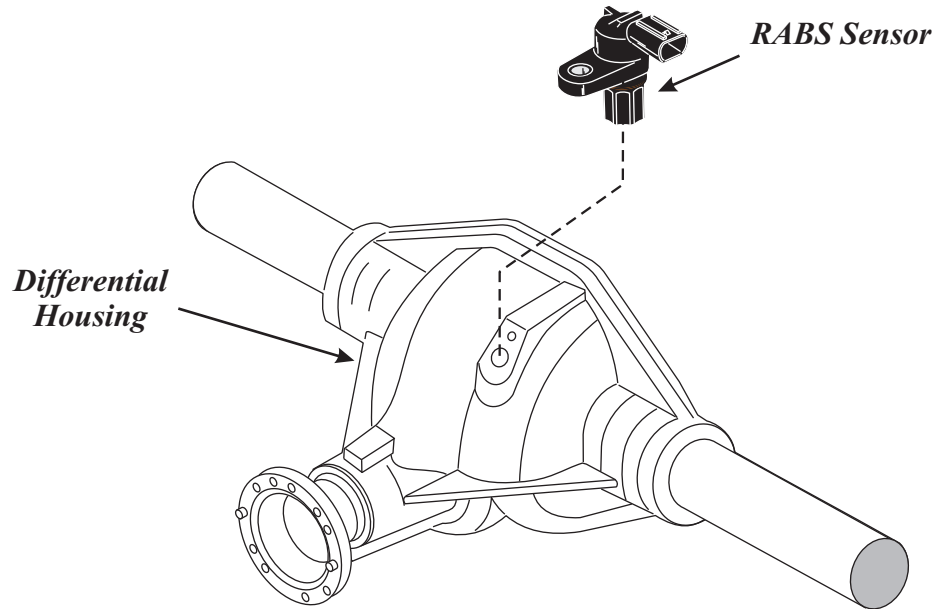


Figure 1

REAR ABS SENSOR LOCATION ON REAR DIFFERENTIAL



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Figure 2