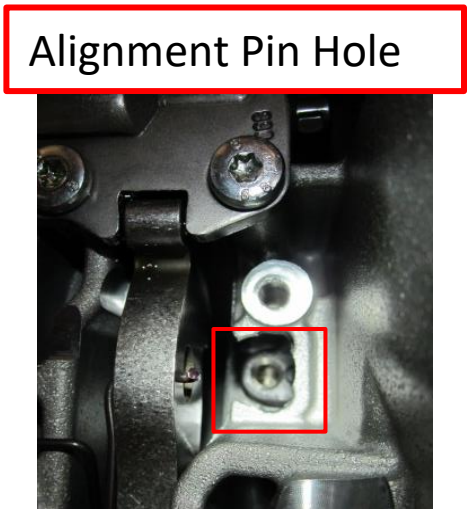
8 Speed Transmission Output Speed Sensor Damage

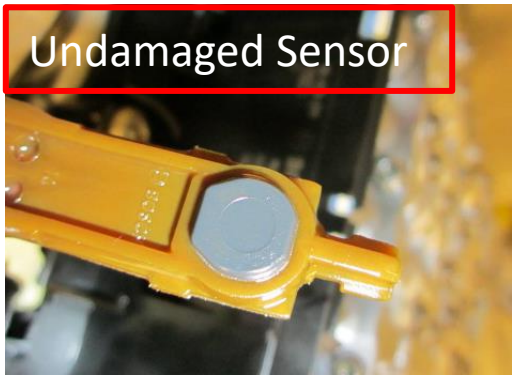
We are receiving transmission replacements after a valve body replacement that are the result of an improperly installed Output Speed Sensor. The sensor has a small magnet on the end and an alignment pin for locating the sensor in the correct orientation to the tone wheel by inserting in the alignment hole. Should the speed sensor get installed improperly, P1D90-00 Clutch 2 and P0734 4th Gear error will set as soon as the transmission is put into gear and the vehicle is moved.





Typically, the damage looks like the below left picture, compared to an undamaged sensor.





If the sensor is damaged in this way, it typically can be removed and reinstalled properly. The tone ring is not damaged by contact with the sensor and transmission replacement IS NOT REQUIRED. Reassemble the transmission, clear the codes and engage the transmission in gear and move the vehicle. If the same two codes return, the valve body will need to be replaced again. (This is not considered a defect in material or workmanship and is a dealership expense). If the codes do not return, the reinsertion was successful and the repair is now complete.

Transmissions or valve bodies returned with a damaged Output Speed Sensor may be charged back as non-warrantable damage.