



NISSAN/INFINITI RE4F04B STALLS ENGINE IN GEAR WHEN ACCELERATING FROM A STOP AFTER OVERHAUL

COMPLAINT: After an overhaul a Nissan/Infiniti vehicle equipped with the RE4F04B automatic transaxle exhibits a complaint that the engine stalls when the selector lever is placed into a forward or reverse gear and the vehicle accelerates from a stop.

CAUSE: One cause may be the pilot valve spring tension is too heavy. The pilot valve in the RE4F04B is used to regulate oil pressure to the solenoids. If during overhaul the pilot valve spring is changed to a different spring that is heavier, increased pilot pressure will result. This means higher pilot pressure will be fed to the solenoids. If pilot pressure becomes too high, it can flood the TCC solenoid to a point where the TCC solenoid cannot exhaust enough pilot pressure to keep the TCC valve from stroking and applying the converter clutch during acceleration from a stop.

CORRECTION: Use care when overhauling the transmission and choosing to change the pilot valve spring. A spring that is significantly heavier than the O.E.M. spring may cause engine stall.

Refer to the diagram in Figure 1 for pilot valve and spring location in the upper valve body and use the spring dimensions provided as a guide during overhaul.

Technical Service Information

NISSAN/INFINITI RE4F04B

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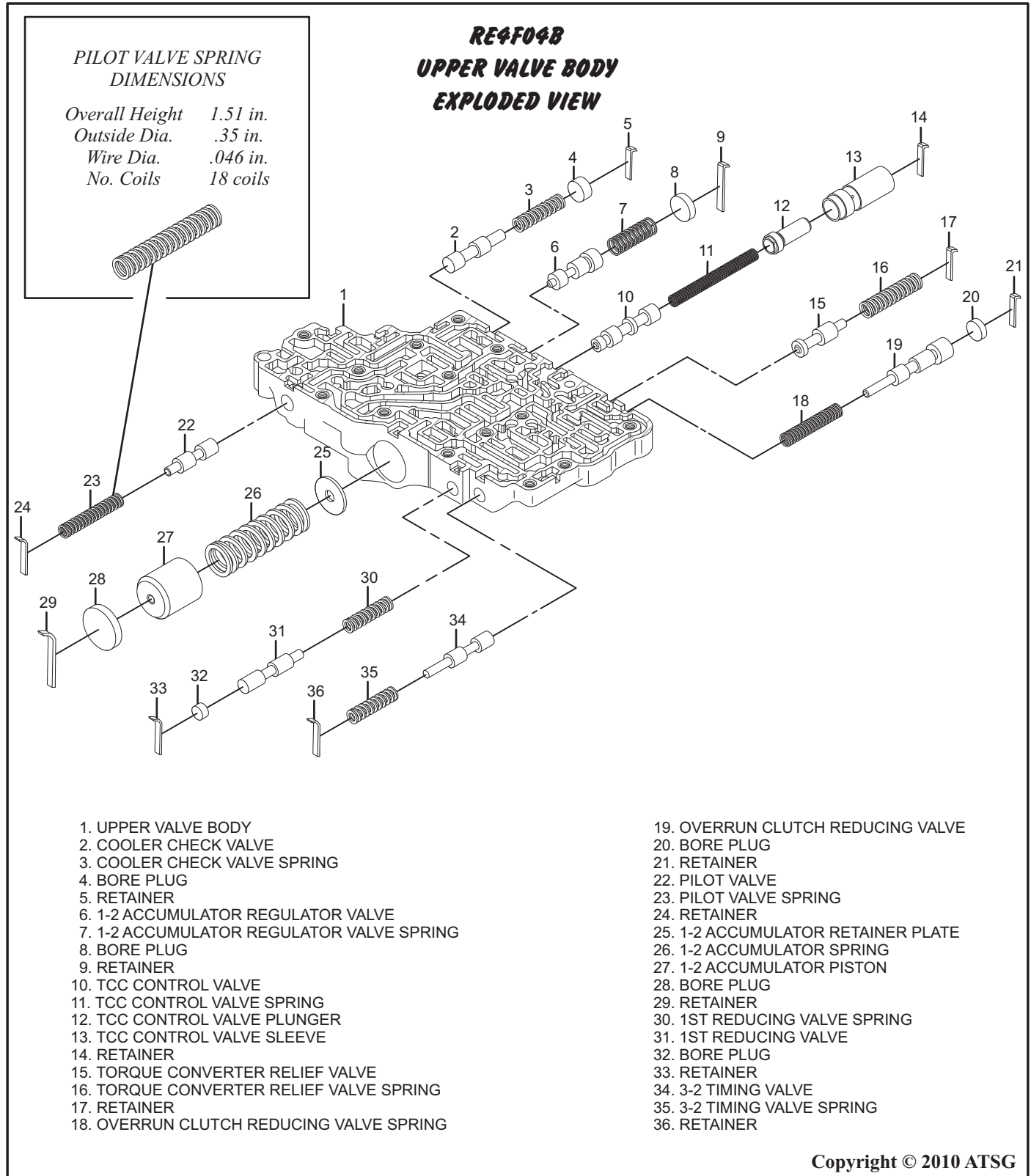


Figure 1