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Diagnostic Trouble Code P1507

If you are diagnosing a 4EAT-equipped Subaru vehicle with a DTC P1507 (Idle Control System Malfunction) and can find nothing wrong after following the trouble tree in the appropriate Service Manual, be sure to inspect the Inhibitor Switch circuit before replacing any parts.

The Inhibitor Switch circuit may cause this code to set by falsely indicating to the ECU that the transmission is in neutral, when it is actually in gear. The engine idle speed in gear may also be higher than specified. If this fault occurs on two consecutive trips, the MIL will illuminate and DTC P1507 will be set.

This problem can be intermittent and it may be necessary to pin test the terminals at the Inhibitor Switch. It may also be necessary to shift into and out of neutral many times before the switch shows any problems.

