

545RFE

Wrong Gear Starts, P2706

Code P2706 is a circuit fault for the MS solenoid. The transmission control system uses six electronically controlled solenoids that allow hydraulic fluid to be applied to various friction elements (clutches), which enables the gear requested. The continuity of each solenoid circuit is periodically tested. Each inactive solenoid is turned on for a few milliseconds, then off. Each active solenoid is turned off for a few milliseconds, then on. This pulsing of voltage to the solenoid causes an inductive spike which can be sensed by the transmission control system. If an inductive spike is not sensed by the transmission control system during the continuity check, it is tested again.

If the test fails three consecutive times, the appropriate diagnostic trouble code (DTC) is set. If the solenoid test is run in response to a gear ratio or pressure switch error, one failure will result in setting the appropriate DTC. Note: This DTC is strictly an electrical fault and does not apply to any internal transmission failures.

Possible Causes

- Related relay DTC'S present
- (T118) MS solenoid control circuit short to other circuits
- (T118) MS solenoid control circuit open
- (T118) MS solenoid control circuit short to ground
- Transmission solenoid/TRS assembly
- (PCM) Powertrain control module

Replacing the solenoid body will likely fix these codes.

