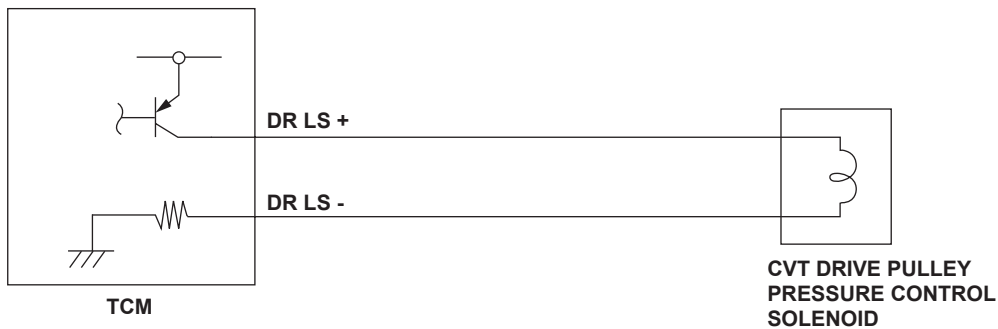


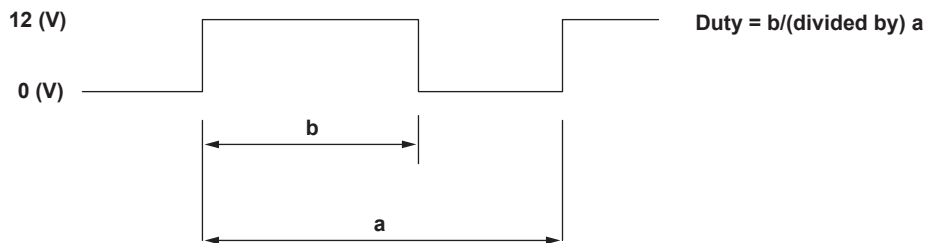
Advanced Diagnostics

DTC P1894: Problem in CVT Drive Pulley Pressure Control Solenoid Circuit



P1894-0101

CVT Drive Pulley Pressure Control Solenoid Output Waveform



P1894-0175

General Description

The CVT drive pulley pressure control solenoid is used to control hydraulic pressure. The spool in the linear solenoid pushes the valve by duty cycle according to the current, and produces hydraulic pressure in proportion to the current. The CVT drive pulley pressure control solenoid measures current that passes through the linear solenoid and uses feedback control for the differential between measured current and a commanded value. If the measured current is not equal to the duty cycle command, a malfunction (open, short to ground, short to power on the plus terminal side of linear solenoid) is detected and a DTC is stored.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Continuous
Sequence	None
Duration	1 second
DTC Type	One drive cycle, MIL ON, D indicator blinks

Enable Conditions

Condition	
State of the engine	Running

Malfunction Threshold

Measured current is not equal to the transmission control module (TCM) duty cycle command for at least 1 second.

Diagnosis Details

Conditions for illuminating the MIL

When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored.

Conditions for clearing the MIL

The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.