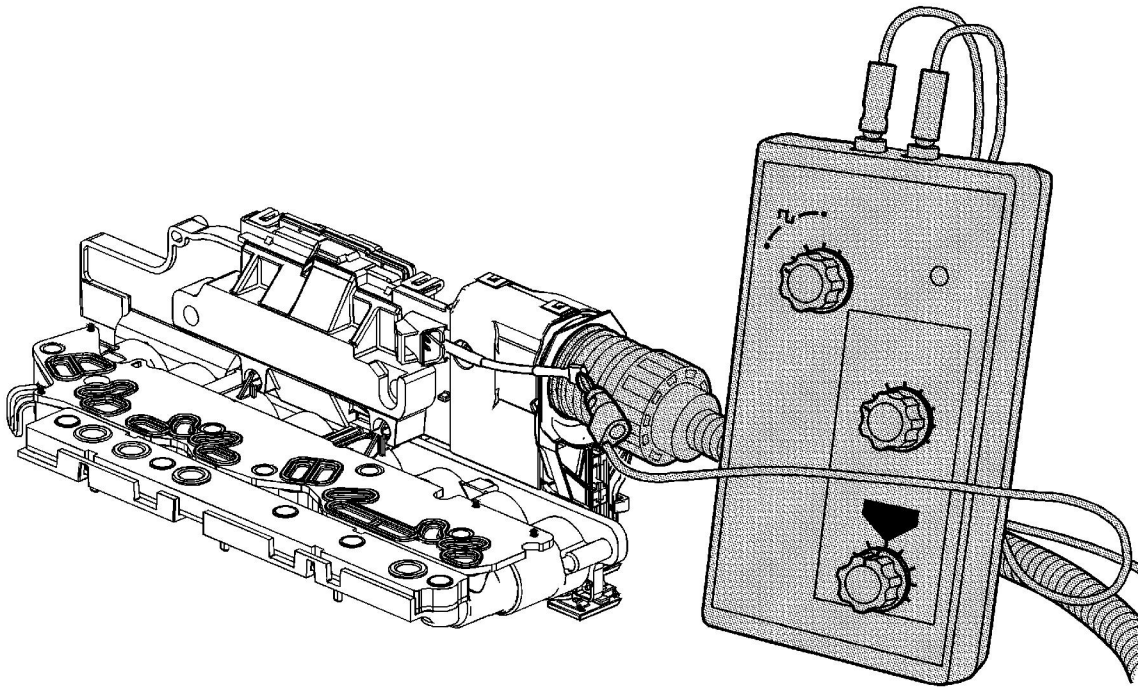


Control Solenoid Valve and Transmission Control Module Assembly Input Shaft Speed/Output Shaft Speed Input Test

Tools Required

- [J 35616](#) GM-Approved Terminal Test Kit
- [J 38522](#) Variable Signal Generator



The purpose of this test is to provide a simulated input/output speed sensor (ISS/OSS) signal to the control solenoid (w/body and TCM) valve assembly ISS/OSS input circuits.

1. Disconnect the ISS/OSS wiring harness connector from the control solenoid (w/body and TCM) valve assembly.
2. Using the [J 35616](#) , connect the [J 38522](#) to the affected ISS or OSS signal circuit on the control solenoid (w/body and TCM) valve assembly.
 - 2.1. Set the [J 38522](#) Signal to 8 volts, the Frequency to 120 and the Percent Duty Cycle to 50.
 - 2.2. Ignition On, observe either the scan tool parameter ISS Signal or OSS Signal.
 - 2.3. The signal parameter should display between 100-400 RPM.

If the signal display is not in this range, the control solenoid (w/body and TCM) valve assembly is not reading the input signal correctly and is faulty.