

No	REPAIR the affected connectors or terminals. Refer to Connector Repair Procedures for schematic and connector information.
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18 CHECK FOR CORRECT ABS (ANTI-LOCK BRAKE SYSTEM) MODULE OPERATION

Connect ABS module C135 . Make sure it seats and latches correctly.

Connect the suspect wheel speed sensor electrical connector. Make sure it seats and latches correctly.

Connect all in-line electrical connectors between the ABS module and the suspect wheel speed sensor. Make sure they seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW the TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new ABS module. REFER to: Anti-Lock Brake System (ABS) Module .
No	The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector. ADDRESS the root cause of any connector or pin issues.

DIAGNOSIS AND TESTING > ANTI-LOCK BRAKE SYSTEM (ABS) AND STABILITY CONTROL > PINPOINT TESTS > PINPOINT TEST J : WHEEL SPEED SENSOR ELECTRICAL FAULTS - REAR

Refer to Vehicle Dynamic Systems for schematic and connector information.

Normal Operation and Fault Conditions

Active wheel speed sensors generate a square wave signal proportional to wheel speed which is sent to the ABS module. Each wheel speed sensor is connected to the ABS module through 2 wires and a connector at each wheel speed sensor. One wire is for sensor voltage supply from the ABS module and the other wire is for the signal return to the ABS module. When the ignition is set to ON, the ABS module carries out a self-test by sending a reference voltage through the wheel speed sensors and their circuitry.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
C0037:01 C003A:01	Left Rear Wheel Speed Sensor: General Electrical Failure Right Rear Wheel Speed Sensor: General Electrical Failure	These Diagnostic Trouble Codes (DTCs) set in continuous memory and on-demand if one or more wheel speed sensors are not sending a signal to the ABS