

Using a diagnostic scan tool, carry out the self-test for all modules.

Retrieve and record all Continuous Memory Diagnostic Trouble Codes (CMDTCs).

Is DTC U0131:00 or U0420:xx set in 1 or more modules in addition to the ABS module?

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, REFER to the EPAS symptom chart or DTC chart.
No	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 .

DIAGNOSIS AND TESTING > ANTI-LOCK BRAKE SYSTEM (ABS) AND STABILITY CONTROL > PINPOINT TESTS > PINPOINT TEST R : C1015:7A, C1015:7B

C1015:7A, C1015:7B

Refer to VEHICLE DYNAMIC SYSTEMS for schematic and connector information.

Normal Operation and Fault Conditions

The ABS module uses the brake booster vacuum sensor to monitor the brake booster vacuum. On vehicles equipped with a 2.3L EcoBoost engine, a gear driven vacuum pump supplies the necessary vacuum to the brake booster. The vacuum pump is expected to produce at least 600 mBar (18 In-Hg). On vehicles equipped with all other engines, the engine supplies the necessary vacuum to the brake booster. A leak in a vacuum hose, brake booster, brake booster seal or vacuum pump (if equipped) prevents the brake booster from maintaining the required amount of vacuum. Damage or an internal failure prevents the vacuum pump from operating at peak capacity.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
C1015:7A	Vacuum Supply: Fluid Leak or Seal Failure	This DTC sets when the ABS module detects a decrease in brake booster vacuum without brake system activation.
C1015:7B	Vacuum Supply: Low Fluid Level	This DTC sets when the brake vacuum pump or engine is unable to produce the vacuum necessary for brake system operation.

Possible Causes