

- PCM

DIAGNOSIS AND TESTING > ANTI-LOCK BRAKE SYSTEM (ABS) AND STABILITY CONTROL > PINPOINT TESTS > PINPOINT TEST I : U0100:00, U0401:00 > PINPOINT TEST I : U0100:00, U0401:00

I1 CHECK THE COMMUNICATION NETWORK

Ignition ON.

Using a diagnostic scan tool, carry out the Network Test.

Do both the PCM and the GWM pass the Network Test?

Yes	GO to I2
No	DIAGNOSE the no communication with the PCM or GWM. REFER to: MODULE COMMUNICATIONS NETWORK .

I2 CHECK THE ABS (ANTI-LOCK BRAKE SYSTEM) MODULE CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

Using a diagnostic scan tool, carry out the ABS module self-test.

Clear the Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Ignition ON.

Using a diagnostic scan tool, carry out the ABS module self-test.

Record the ABS module Diagnostic Trouble Codes (DTCs).

Is DTC U0100:00 or U0401:00 retrieved again?

Yes	GO to I3
No	The system is operating correctly at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.

I3 REVIEW THE RECORDED ABS (ANTI-LOCK BRAKE SYSTEM) MODULE SELF-TEST DIAGNOSTIC TROUBLE CODES (DTCS)

Check the recorded Diagnostic Trouble Codes (DTCs) from the ABS self-test.

Was DTC U3003:16 or U3003:17 recorded?

Yes	For DTC U3003:16, GO to Pinpoint Test A For DTC U3003:17, GO to Pinpoint Test F
No	GO to I4

I4 CHECK FOR DIAGNOSTIC TROUBLE CODES (DTCS) IN THE GWM (GATEWAY MODULE A)

Using a diagnostic scan tool, carry out the GWM self-test.

Are any Diagnostic Trouble Codes (DTCs) present in the GWM?

Yes	DIAGNOSE the GWM Diagnostic Trouble Codes (DTCs). REFER to: MODULE COMMUNICATIONS NETWORK .
No	GO to I5

I5 CHECK FOR DIAGNOSTIC TROUBLE CODES (DTCS) IN THE PCM (POWERTRAIN CONTROL MODULE)

Using a diagnostic scan tool, carry out the PCM KOEO self-test.

Is DTC P0562 or P0563 present?

Yes	DIAGNOSE the PCM Diagnostic Trouble Codes (DTCs). REFER to: ELECTRONIC ENGINE CONTROLS - 2.3L ECOBOOST (231KW/314PS) . REFER to: ELECTRONIC ENGINE CONTROLS - 3.7L DURATEC (227KW/301PS) . REFER to: ELECTRONIC ENGINE CONTROLS - 5.0L 32V Ti-VCT/5.0L Ti-VCT V8 (308kW/418PS).
No	GO to I6

I6 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0100:XX OR U0401:XX SET IN OTHER MODULES

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

Retrieve the Continuous Memory Diagnostic Trouble Codes (CMDTCs) from all modules.

Is DTC U0100:xx OR U0401: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, INSTALL a new PCM. REFER to: POWERTRAIN CONTROL MODULE (PCM) - 2.3L EcoBoost (231kW/314PS). REFER to: POWERTRAIN CONTROL MODULE (PCM) - 3.7L Duratec (227kW/301PS). REFER to: POWERTRAIN CONTROL MODULE (PCM) - 5.0L 32V Ti-VCT/5.0L Ti-VCT V8 (308kW/418PS).
No	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for