

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 D : U0140:00

Refer to Module Communications Network for schematic and connector information.

Normal Operation and Fault Conditions

With the ignition ON, the BCM sends messages to the GWM over the HS-CAN1, the GWM relays these message to the ABS module over the HS-CAN2. If the ABS module does not receive these messages within the specified time frame, the ABS module sets Diagnostic Trouble Codes (DTCs). This can be due to a BCM failure, a GWM failure, a circuit failure on the network or an excessive load on the network. For information on the messages sent to the ABS module by the BCM, REFER to: Anti-Lock Brake System (ABS) and Stability Control - System Operation and Component Description .

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U0140:00	Lost Communication With Body Control Module: No Sub Type Information	This DTC sets in the ABS module if the ABS module does not receive any messages from the BCM.

Possible Causes

- Wiring, terminals or connectors
- Network communication concern
- GWM
- BCM
- ABS module

DIAGNOSIS AND TESTING > ANTI-LOCK BRAKE SYSTEM (ABS) AND STABILITY CONTROL > PINPOINT TESTS > PINPOINT TEST D : U0140:00 > PINPOINT TEST D : U0140:00

D1 CHECK THE COMMUNICATION NETWORK

Ignition ON.

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

Do the GWM and the BCM pass the Network Test?

Yes	GO to D2
No	DIAGNOSE the no communication with the GWM or the BCM. REFER to: Communications Network .

D2 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.

Repeat the ABS module self-test.

Retrieve and record all ABS module Diagnostic Trouble Codes (DTCs).

Is DTC U0140:00 retrieved again?

Yes	GO to D3
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.

D3 REVIEW THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE ABS (ANTI-LOCK BRAKE SYSTEM) SELF-TEST

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

Is DTC U3003:16 or U3003:17 present in the ABS module?

Yes	For DTC U3003:16, GO to Pinpoint Test A For DTC U3003:17, GO to Pinpoint Test E
No	GO to D4

D4 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: Communications Network .
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No	GO to D5
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D5 CHECK FOR DIAGNOSTIC TROUBLE CODES (DTCs) IN THE BCM (BODY CONTROL MODULE)

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

Retrieve and record all Diagnostic Trouble Codes (DTCs) from the BCM self-test.

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

Yes	DIAGNOSE the BCM Diagnostic Trouble Codes (DTCs). REFER to: Body Control Module (BCM) .
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No	GO to D6
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D6 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0140:XX SET IN OTHER MODULES

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

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

Is DTC U0140:xx set in 1 or more modules other than the ABS module?

Yes	GO to D7
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No	GO to D8
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D7 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect all BCM electrical connectors.

Disconnect all GWM electrical connectors.

Disconnect ABS module C135 .

Disconnect all in-line electrical connectors between the ABS module and the BCM.

Using a good light source, inspect all disconnected electrical connectors for the following:

corrosion - install new connector or terminal and clean the module pins

damaged or bent pins - install new terminals or pins

pushed-out pins - install new pins as necessary

spread terminals - install new terminals as necessary

Connect all in-line electrical connectors between the ABS module and the BCM. Make sure they seat and latch correctly.

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

Connect all GWM electrical connectors. Make sure they seat and latch correctly.

Connect all BCM electrical connectors. 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,
No	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.

D8 CHECK FOR CORRECT ABS (ANTI-LOCK BRAKE SYSTEM) MODULE OPERATION

Ignition OFF.

Disconnect ABS module C135 .

Disconnect all in-line electrical connectors between the ABS module and the BCM.

Using a good light source, inspect all disconnected electrical connectors for the following:

corrosion - install new connector or terminal and clean the module pins

damaged or bent pins - install new terminals or pins

pushed-out pins - install new pins as necessary

spread terminals - install new terminals as necessary

Connect all in-line electrical connectors between the ABS module and the BCM. Make sure they seat and latch correctly.

Connect ABS module C135 . Make sure it seats and latches 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
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