Refer to INSTRUMENT CLUSTER for schematic and connector information.

> *NOTE: This test requires the use of at least 2 keys programmed to the vehicle, one admin key and one restricted key.*

Normal Operation and Fault Conditions

The stability-traction control disabled indicator (sliding car OFF icon) in the IPC provides traction control system status to the driver. When the driver deactivates the traction control, the IPC sends a message to the GWM over the HS-CAN3 indicating the driver has requested the traction control to be disabled. The GWM relays this message to the ABS module over the HS-CAN2. The ABS module continues to monitor for excessive wheel spin, but no longer takes any action when a traction event is detected.

The ABS module then sends a message to the GWM over the HS-CAN2 to illuminate the stability-traction control disabled indicator (sliding car OFF icon). The GWM relays this message to the IPC over the HS-CAN3. The IPC responds by illuminating the stability-traction control disabled indicator (sliding car OFF icon). The traction control system remains deactivated until the driver changes the traction control state in the message center or until the ignition is cycled.

If equipped, MyKey® allows users to configure traction control to be either always on or selectable. If a MyKey® restricted key is in use with the AdvanceTrac® always on feature configured to "on", the traction control system cannot be disabled. An admin key must be used to enable and disable the traction control system.

Possible Causes

- MyKey® restricted key in use
- Network communication concern
- IPC concern
- GWM concern
- Message center concern

DIAGNOSIS AND TESTING > ANTI-LOCK BRAKE SYSTEM (ABS) AND STABILITY CONTROL > PINPOINT TESTS > PINPOINT TEST E : THE TRACTION CONTROL SYSTEM CANNOT BE DISABLED > PINPOINT TEST E : THE TRACTION CONTROL SYSTEM CANNOT BE DISABLED

E1 VERIFY THE KEY IN USE IS NOT RESTRICTED

Place 1 key inside the vehicle and all other keys at least 1 meter (3 feet) away from the vehicle.

Turn the ignition to the ON mode.

Monitor the message center.

Does the message center display MYKEY ACTIVE DRIVE SAFELY?

Yes	The current key is a restricted key and is functioning correctly. REPEAT the test using different keys until the message center **does not** display MYKEY ACTIVE DRIVE SAFELY. GO to E2

No	GO to E2

E2 VERIFY THE MYKEY® TRACTION CONTROL SETTING IN THE MYKEY® MENU

Using the message center, verify the MyKey® traction control setting. Refer to the Owner's Literature for information on setting the MyKey® functions.

Is the MyKey® traction control setting configured to "always on"?

Yes	GO to E3

No	GO to E4

E3 VERIFY THE TRACTION CONTROL FUNCTION CAN BE DISABLED USING THE ADMIN KEY IN THE DRIVER ASSIST MENU

Using the message center, verify the traction control function can be enabled and disabled using the admin key. Refer to the Owner's Literature for information on enabling and disabling the traction control function.

Can the traction control function can be enabled and disabled using the admin key?

Yes	The system is operating correctly at this time. The concern was most likely caused by the use of a restricted key.INFORM the customer the traction control function can only be disabled using an admin key when the MyKey® traction control setting is configured to "always on".

No	GO to E4

E4 CHECK FOR ABS (ANTI-LOCK BRAKE SYSTEM) MODULE DIAGNOSTIC TROUBLE CODES (DTCS)

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

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

Are there any ABS Diagnostic Trouble Codes (DTCs) present?

Yes	GO to the DTC Chart: Anti-Lock Brake System (ABS) Module in Diagnostic Trouble Code (DTC) Charts .

No	GO to E5