No	REPAIR the circuit.

DIAGNOSIS AND TESTING > LOCKS, LATCHES AND ENTRY SYSTEMS > PINPOINT TESTS > PINPOINT TEST N : THE TAILGATE LATCH RELEASE IS INOPERATIVE

Refer to Remote Keyless Entry and Alarm for schematic and connector information.

Normal Operations and Fault Conditions

REFER to: Handles, Locks, Latches and Entry Systems - System Operation and Component Description .

BCM DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
C1017:11	Boot/Trunk Primary Switch: Circuit Short To Ground	Sets when the BCM detects a short to ground from the tailgate release switch input circuit.

Possible Causes

- Fuse
- Wiring, terminals or connectors
- Tailgate release switch
- Tailgate release actuator
- BCM

Visual Inspection and Diagnostic Pre-checks

- Inspect the tailgate release switch for damage
- Check the BCM fuse 3 (20A)

DIAGNOSIS AND TESTING > LOCKS, LATCHES AND ENTRY SYSTEMS > PINPOINT TESTS > PINPOINT TEST N : THE TAILGATE LATCH RELEASE IS INOPERATIVE > PINPOINT TEST N : THE TAILGATE LATCH RELEASE IS INOPERATIVE

NOTE: Use the correct probe adapter(s) when making measurements. Failure to use the correct probe adapter(s) may damage the connector.

N1 CHECK THE TAILGATE RELEASE SWITCH INPUT FOR A SHORT TO GROUND USING THE BCM (BODY CONTROL MODULE) LIFTGATE/DECKLID RELEASE OUTPUT (DECKLID_R_SW) PID (PARAMETER IDENTIFICATION)

Ignition ON.

Using a diagnostic scan tool, view the BCM Parameter Identifications (PIDs).

Using a diagnostic scan tool, view the BCM PID DECKLID_R_SW.

Does the PID indicate the tailgate release switch is continuously pressed?

Yes	GO to N2

No	GO to N4

N2 CHECK THE TAILGATE RELEASE SWITCH INPUT USING THE BCM (BODY CONTROL MODULE) LIFTGATE/DECKLID RELEASE OUTPUT (DECKLID_R_SW) PID (PARAMETER IDENTIFICATION) WITH THE SWITCH DISCONNECTED

Ignition OFF.

Disconnect Tailgate Release Switch C4499 .

Ignition ON.

Using a diagnostic scan tool, view the BCM PID DECKLID_R_SW.

Does the PID continue to indicate the switch is pressed?

Yes	GO to N3

No	INSTALL a new tailgate release switch. REFER to: Tailgate Release Switch .

N3 CHECK THE TAILGATE RELEASE SWITCH INPUT CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Disconnect BCM C2280E .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280E-14	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to N11

No	REPAIR the circuit.

N4 CHECK THE TAILGATE RELEASE SWITCH INPUT USING THE BCM (BODY CONTROL MODULE) LIFTGATE/DECKLID RELEASE OUTPUT (DECKLID_R_SW) PID (PARAMETER IDENTIFICATION)

Using a diagnostic scan tool, view the BCM Parameter Identifications (PIDs).

Using a diagnostic scan tool, view the BCM PID DECKLID_R_SW while pressing the tailgate release switch.

Does the PID indicate the switch is pressed?

Yes	GO to N8

No	GO to N5

N5 CHECK THE TAILGATE RELEASE INPUT CIRCUIT WHILE MONITORING THE BCM (BODY CONTROL MODULE) LIFTGATE/DECKLID RELEASE OUTPUT (DECKLID_R_SW) PID (PARAMETER IDENTIFICATION)

Ignition OFF.

Disconnect Tailgate Release Switch C4499 .

Ignition ON.

Connect:

Lead 1	Measurement / Action	Lead 2
C4499-1		Ground

Using a diagnostic scan tool, view the BCM PID DECKLID_R_SW.

Does the PID indicate the switch is pressed?

Yes	REMOVE the fused jumper wire. GO to N6

No	REMOVE the fused jumper wire. GO to N7

N6 CHECK THE TAILGATE RELEASE SWITCH GROUND CIRCUIT FOR AN OPEN

Connect:

Lead 1	Measurement / Action	Lead 2
C4499-1		C4499-2

Using a diagnostic scan tool, view the BCM PID DECKLID_R_SW.

Does the PID indicate the switch is pressed?

Yes	REMOVE the fused jumper wire. INSTALL a new tailgate release switch. REFER to: Tailgate Release Switch .

No	REMOVE the fused jumper wire. REPAIR the circuit.

N7 CHECK THE TAILGATE RELEASE SWITCH INPUT CIRCUIT FOR AN OPEN

Ignition OFF.

Disconnect BCM C2280E .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280E-14	Ω	C4499-1

Is the resistance less than 3 ohms?

Yes	GO to N11

No	REPAIR the circuit.

N8 CHECK THE BCM (BODY CONTROL MODULE) TAILGATE RELEASE OUTPUT

NOTE: The following step uses a test lamp to simulate normal circuit loads. Use only a Rotunda Test Lamp (SGT27000) or 250-300mA incandescent bulb test lamp. To avoid connector terminal damage, use the Rotunda Flex Probe kit for the test lamp probe connection to the vehicle. Do not use the test lamp probe directly on any connector.

Ignition OFF.

Disconnect Tailgate Release Actuator C4223 .

Connect:

Lead 1	Measurement / Action	Lead 2
C4223-1		Ground

Unlock the doors using the door lock control switch.

NOTE: The BCM only supplies voltage to the actuator momentarily. It is important to monitor the test lamp while pressing the tailgate release switch.

While pressing the tailgate release switch, monitor the test lamp.

Does the test lamp momentarily illuminate?

Yes	GO to N9

No	GO to N10

N9 CHECK THE TAILGATE RELEASE ACTUATOR GROUND CIRCUIT FOR AN OPEN

NOTE: The following step uses a test lamp to simulate normal circuit loads. Use only a Rotunda Test Lamp (SGT27000) or 250-300mA incandescent bulb test lamp. To avoid connector terminal damage, use the Rotunda Flex Probe kit for the test lamp probe connection to the vehicle. Do not use the test lamp probe directly on any connector.

Connect:

Lead 1	Measurement / Action	Lead 2
C4223-1		C4223-2

NOTE: The BCM only supplies voltage to the actuator momentarily. It is important to monitor the test lamp while pressing the tailgate release switch.

While pressing the tailgate release switch, monitor the test lamp.

Does the test lamp momentarily illuminate?

Yes	INSTALL a new tailgate release actuator. REFER to: Tailgate Latch Actuator .

No	REPAIR the circuit.

N10 CHECK THE BCM (BODY CONTROL MODULE) TAILGATE RELEASE ACTUATOR OUTPUT CIRCUIT FOR AN OPEN

Disconnect BCM C2280C .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C4223-1	Ω	C2280C-33

Is the resistance less than 3 ohms?

Yes	GO to N11

No	REPAIR the circuit.

N11 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

Disconnect and inspect all the BCM connectors.

Repair: