

		passenger side keyless entry antenna (internal to the front passenger exterior door handle).
B1381:11	Left Front Door Handle Proximity Sensor: Circuit Short To Ground	Sets when the BCM detects a fault from one of the circuits to the left front exterior door handle.
B1381:15	Left Front Door Handle Proximity Sensor: Circuit Short To Battery or Open	Sets when the BCM detects a fault from one of the circuits to the left front exterior door handle.
B1381:29	Left Front Door Handle Proximity Sensor: Signal Invalid	Set when the BCM detects an activated touch sensor for more than 5 minutes.
B1382:11	Right Front Door Handle Proximity Sensor: Circuit Short To Ground	Sets when the BCM detects a fault from one of the circuits to the right exterior door handle.
B1382:15	Right Front Door Handle Proximity Sensor: Circuit Short To Battery or Open	Sets when the BCM detects a fault from one of the circuits to the right exterior door handle.
B1382:29	Right Front Door Handle Proximity Sensor: Signal Invalid	Set when the BCM detects an activated touch sensor for more than 5 minutes.

Possible Causes

- Wiring, terminals or connectors
- Door lock system concern
- RKE system concern
- Exterior door handle
- BCM

Visual Inspection and Diagnostic Pre-checks

- Inspect the exterior door handles for damage.

DIAGNOSIS AND TESTING > LOCKS, LATCHES AND ENTRY SYSTEMS > PINPOINT TESTS > PINPOINT TEST V : A DOOR PASSIVE ENTRY FEATURE IS INOPERATIVE > PINPOINT TEST V : A DOOR PASSIVE ENTRY FEATURE IS INOPERATIVE



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

V1 CHECK THE DOOR LOCK OPERATION

Lock and unlock the doors using a door lock control switch.

Do the doors lock and unlock?

Yes	GO to V2
No	REFER to the Symptom Chart: Handles, Locks, Latches and Entry Systems - Electrical .

V2 CHECK THE RKE (REMOTE KEYLESS ENTRY) OPERATION

Press the lock and unlock buttons on a key.

Do the doors lock and unlock?

Yes	GO to V3
No	GO to Pinpoint Test R

V3 CHECK THE PASSIVE ENTRY OPERATION FROM ALL DOORS

Operate the passive entry feature from both front doors.

Is the passive entry feature inoperative from both front doors?

Yes	GO to V4
No	GO to V7

V4 CHECK THE EXTERIOR DOOR HANDLE GROUND CIRCUIT FOR A SHORT TO VOLTAGE

Ignition OFF.

Disconnect BCM C2280D .

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280D-20		Ground

Is any voltage present?

Yes	REPAIR the circuit.
No	GO to V5

V5 CHECK THE EXTERIOR DOOR HANDLE GROUND CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280D-20	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to V6
No	REPAIR the circuit.

V6 CHECK THE EXTERIOR DOOR HANDLE GROUND CIRCUIT FOR AN OPEN (BOTH FRONT DOORS PASSIVE ENTRY INOPERATIVE)

Disconnect Right Front Exterior Door Handle C634 .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C634-4	Ω	C2280D-20

Is the resistance less than 3 ohms?

Yes	GO to V16
No	REPAIR the circuit.

V7 CHECK FOR VOLTAGE TO THE EXTERIOR DOOR HANDLE

Ignition OFF.

Disconnect the suspect exterior door handle.

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-1		Ground

Right Front

Positive Lead	Measurement / Action	Negative Lead
C634-1		Ground

Is the voltage greater than 11 volts?

Yes	GO to V10
No	GO to V8

V8 CHECK THE EXTERIOR DOOR HANDLE VOLTAGE SUPPLY CIRCUIT FOR A SHORT TO GROUND

Disconnect BCM C2280D .

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-1	Ω	Ground

Right Front

Positive Lead	Measurement / Action	Negative Lead
C634-1	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to V9
No	REPAIR the circuit.

V9 CHECK THE EXTERIOR DOOR HANDLE VOLTAGE SUPPLY CIRCUIT FOR AN OPEN

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-1	Ω	C2280D-21

Right Front

Positive Lead	Measurement / Action	Negative Lead
C634-1	Ω	C2280D-5

Is the resistance less than 3 ohms?

Yes	GO to V16
------------	-----------

No	REPAIR the circuit.
-----------	---------------------

V10 CHECK THE EXTERIOR DOOR HANDLE GROUND CIRCUIT FOR AN OPEN

Disconnect BCM C2280D .

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-4	Ω	C2280D-20

Right Front

Positive Lead	Measurement / Action	Negative Lead
C634-4	Ω	C2280D-20

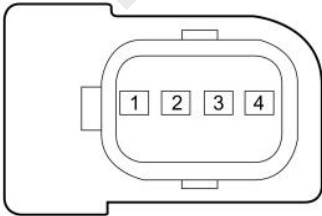
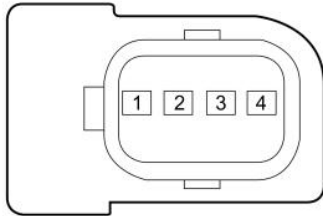
Is the resistance less than 3 ohms?

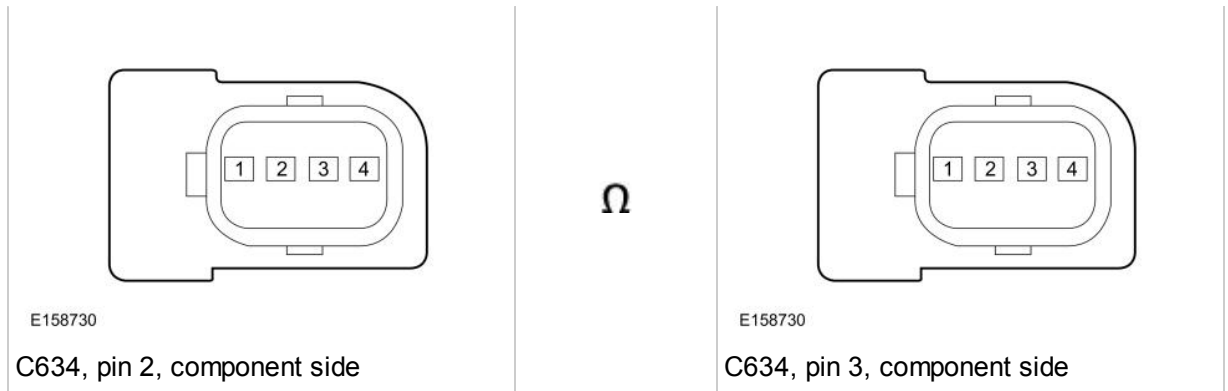
Yes	GO to V11
------------	-----------

No	REPAIR the circuit.
-----------	---------------------

V11 CHECK THE EXTERIOR DOOR HANDLE INTERNAL ANTENNA

Measure:

Positive Lead	Measurement / Action	Negative Lead
 E158730 C543, pin 2, component side	Ω	 E158730 C543, pin 3, component side



Is the resistance between 1 and 3 ohms?

Yes	GO to V12
No	INSTALL a new front exterior handle. REFER to: Exterior Front Door Handle .

V12 CHECK THE EXTERIOR DOOR HANDLE

Remove the opposite side exterior door handle. REFER to: Exterior Front Door Handle .

Transfer the exterior door handle from the opposite side of the vehicle to the suspect exterior door. For example, if the left front exterior door handle is suspect, transfer the right front exterior door handle to the left front door.

Connect BCM C2280D .

Operate the keyless entry feature from the suspect door.

Does the keyless entry feature operate from the suspect door?

Yes	INSTALL a new exterior handle. REFER to: Exterior Front Door Handle .
No	GO to V13

V13 CHECK THE EXTERIOR DOOR HANDLE ANTENNA CIRCUITS FOR A SHORT TO VOLTAGE

Disconnect BCM C2280D .

Ignition ON.

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-2		Ground
C543-3		Ground

Right Front

Positive Lead	Measurement / Action	Negative Lead
C634-2		Ground
C634-3		Ground

Is any voltage present?

Yes	REPAIR the circuit in question.
------------	---------------------------------

No	GO to V14
-----------	-----------

V14 CHECK THE EXTERIOR DOOR HANDLE ANTENNA CIRCUITS FOR A SHORT TO GROUND

Ignition OFF.

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-2	Ω	Ground
C543-3	Ω	Ground

Right Front

Positive Lead	Measurement / Action	Negative Lead
C634-2	Ω	Ground
C634-3	Ω	Ground

Are the resistances greater than 10, 000 ohms?

Yes	GO to V15
------------	-----------

No	REPAIR the circuit in question.
-----------	---------------------------------

V15 CHECK THE EXTERIOR DOOR HANDLE ANTENNA CIRCUITS FOR AN OPEN

Measure:

Left Front

Positive Lead	Measurement / Action	Negative Lead
C543-2	Ω	C2280D-13
C543-3	Ω	C2280D-28