

	concern, DISCONTINUE this test and FOLLOW 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.

DIAGNOSIS AND TESTING > LOCKS, LATCHES AND ENTRY SYSTEMS > PINPOINT TESTS > PINPOINT TEST X : U0146:00

Normal Operations and Fault Conditions

The RTM communicates with the GWM over the CAN. If the RTM does not receive messages from the GWM, features such as the keyless entry can be inoperative.

RTM DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U0146:00	Lost Communication With Gateway "A": No Sub Type Information	Sets when the RTM detects data messages are missing from the GWM over the CAN.

Possible Causes

- Network communication concern
- RTM
- GWM

DIAGNOSIS AND TESTING > LOCKS, LATCHES AND ENTRY SYSTEMS > PINPOINT TESTS > PINPOINT TEST X : U0146:00 > PINPOINT TEST X : U0146:00

X1 VERIFY THE CUSTOMER CONCERN

Ignition ON.

Verify there is an observable symptom present.

Is an observable symptom present?

Yes	GO to X2
No	The system is operating normally at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.

X2 CHECK THE COMMUNICATION NETWORK

Using a diagnostic scan tool, carry out a network test.

Does the GWM pass the network test?

Yes	GO to X3
No	REFER to: Communications Network .

X3 CHECK FOR CHARGING SYSTEM RELATED DIAGNOSTIC TROUBLE CODES (DTCS)

Using a diagnostic scan tool, retrieve all Continuous Memory Diagnostic Trouble Codes (CMDTCs).

Are any battery voltage or charging system related Diagnostic Trouble Codes (DTCs) retrieved?

Yes	DIAGNOSE the charging system. Refer to the appropriate article for the procedure.
No	GO to X4

X4 RECHECK THE RTM (RADIO TRANSCEIVER MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

 **NOTE:** If new modules were installed prior to the DTC being set, the module configuration may be incorrectly set during PMI or the PMI may not have been carried out.

Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs) and repeat the RTM self-test.

Is DTC U0146:00 still present?

Yes	GO to X5
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.

X5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0146 SET IN OTHER MODULES

Using a diagnostic scan tool, clear all Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Ignition ON.

Wait 30 seconds.

Using a diagnostic scan tool, retrieve the Continuous Memory Diagnostic Trouble Codes (CMDTCs) from all modules.