corrosion (install new connector or terminals - clean module pins)

damaged or bent pins - install new terminals/pins

pushed-out pins - install new pins as necessary

Reconnect the CCM connector and related in-line 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 TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new CCM. REFER to: Cruise Control Module (CCM) . |

| | |
|---|---|
| **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 > COMMUNICATIONS NETWORK > PINPOINT TESTS > PINPOINT TEST X : THE HEAD UP DISPLAY (HUD) MODULE DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL

Refer to Module Communications Network for schematic and connector information.

Refer to Vehicle Emergency Messaging System for schematic and connector information.

**Normal Operation and Fault Conditions**

The HUD module communicates with the diagnostic scan tool through the HS-CAN2.

**Possible Sources**

- Fuse
- Wiring, terminals and connector
- Head Up Display (HUD) module

**Visual Inspection and Diagnostic Pre-checks**

Verify BCM fuses 17 (5A) and 21 (5A) are OK.

## DIAGNOSIS AND TESTING > COMMUNICATIONS NETWORK > PINPOINT TESTS > PINPOINT TEST X : THE HEAD UP DISPLAY (HUD) MODULE DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL > PINPOINT TEST X : THE HEAD UP DISPLAY (HUD) MODULE DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL

X1 CHECK THE HUD (HEAD UP DISPLAY) MODULE VOLTAGE SUPPLY CIRCUITS FOR AN OPEN

Ignition OFF.

Disconnect: HUD Module C2395 .

Ignition ON.

Measure:

| Positive Lead | Measurement / Action | Negative Lead |
|---|---|---|
| C2395-4 | V | Ground |
| C2395-5 | V | Ground |

**Is the voltage greater than 11 volts?**

| | |
|---|---|
| **Yes** | GO to X2 |

| | |
|---|---|
| **No** | VERIFY BCM fuse 17 (5A) or fuse 21 (5A) is OK. If OK, REPAIR the circuit. If not OK, REFER to the OEM WIRING DIAGRAMS to identify the possible causes of the circuit short. |

X2 CHECK THE HUD (HEAD UP DISPLAY) MODULE GROUND CIRCUIT FOR AN OPEN

Ignition OFF.

Measure:

| Positive Lead | Measurement / Action | Negative Lead |
|---|---|---|
| C2395-1 | Ω | Ground |

**Is the resistance less than 3 ohms?**

| | |
|---|---|
| **Yes** | GO to X3 |

| | |
|---|---|
| **No** | REPAIR the circuit. |

X3 CHECK THE HS-CAN2 (HIGH SPEED-CONTROLLER AREA NETWORK 2) CIRCUITS BETWEEN THE HUD (HEAD UP DISPLAY) MODULE AND THE DLC (DATA LINK CONNECTOR) FOR AN OPEN

Measure:

| Positive Lead | Measurement / Action | Negative Lead |
|---|---|---|