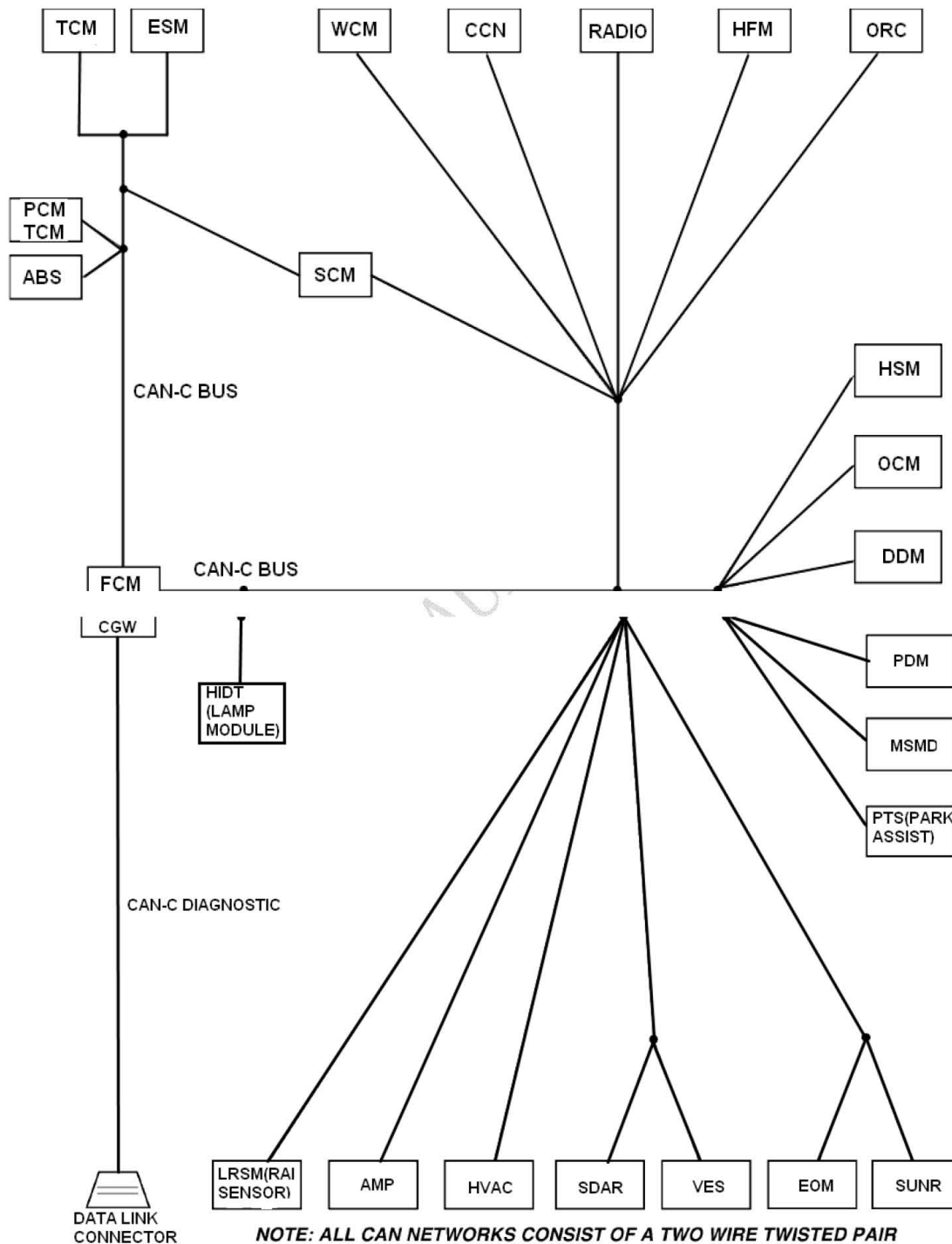


U0231 LOST COMMUNICATION WITH RAIN SENSING MODULE



- 1). When Monitored:
 With the ignition on
 Battery voltage between 10 and 16 volts
 IOD fuse installed
 FCM is configured correctly
- 2). Set Condition:
 Bus messages not received from the rain sensor (LRSM) for approximately 2 to 5 seconds.

Possible Causes
1. CAN B BUS CIRCUITS OPEN OR SHORTED
2. DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
3. FCM NOT CONFIGURED CORRECTLY
4. RAIN SENSOR
5. RAIN SENSOR POWER AND GROUND
6. MODULE THAT SET THIS DTC

Diagnostic Test

- 1). VERIFY DTC IS ACTIVE
NOTE: Ensure the IOD fuse is installed and battery voltage is between 10 and 16 volts before proceeding.
 With the scan tool, read active DTCs.

Is this DTC active?

Yes >> Go To 2

No >> Refer to the Stored Lost Communication test procedure. Refer to the table of contents in this section.
 Perform BODY VERIFICATION TEST – VER 1.

- 2). CHECK FOR ANY OF THE FOLLOWING ACTIVE DTCS
 With the scan tool, read all active DTCs from all modules.
NOTE: Check for FCM configuration, CAN B or C hardware electrical, VIN Missing/Mismatch, battery or ignition related DTCs.

Does the scan tool display any active DTCs to the conditions listed above?

Yes >> Diagnose and repair the DTC. Refer to the Table of Contents for a complete list of the symptoms.
 Perform BODY VERIFICATION TEST – VER 1.

No >> Go To 3

3). VERIFY THAT THE LRSM IS ACTIVE ON THE BUS

Turn the ignition on.

With the scan tool, select Network Diagnostics.

Verify that the LRSM is active on the bus.

Is the SCM active on the bus?

Yes >> Go To 4

No >> Refer to the Table of Contents located in this section for a no response test procedure.

Perform BODY VERIFICATION TEST – VER 1.

4). CHECK FOR ADDITIONAL COMMUNICATION RELATED DTCS

With the scan tool, select Network Diagnostics.

Is there more than one module with active DTCs “Logged Against” the LRSM?

Yes >> Replace/update the Rain Sensor in accordance with the service information.

Perform BODY VERIFICATION TEST – VER 1.

No >> Replace/update the module that set this DTC in accordance with the service information.

Perform BODY VERIFICATION TEST – VER 1.