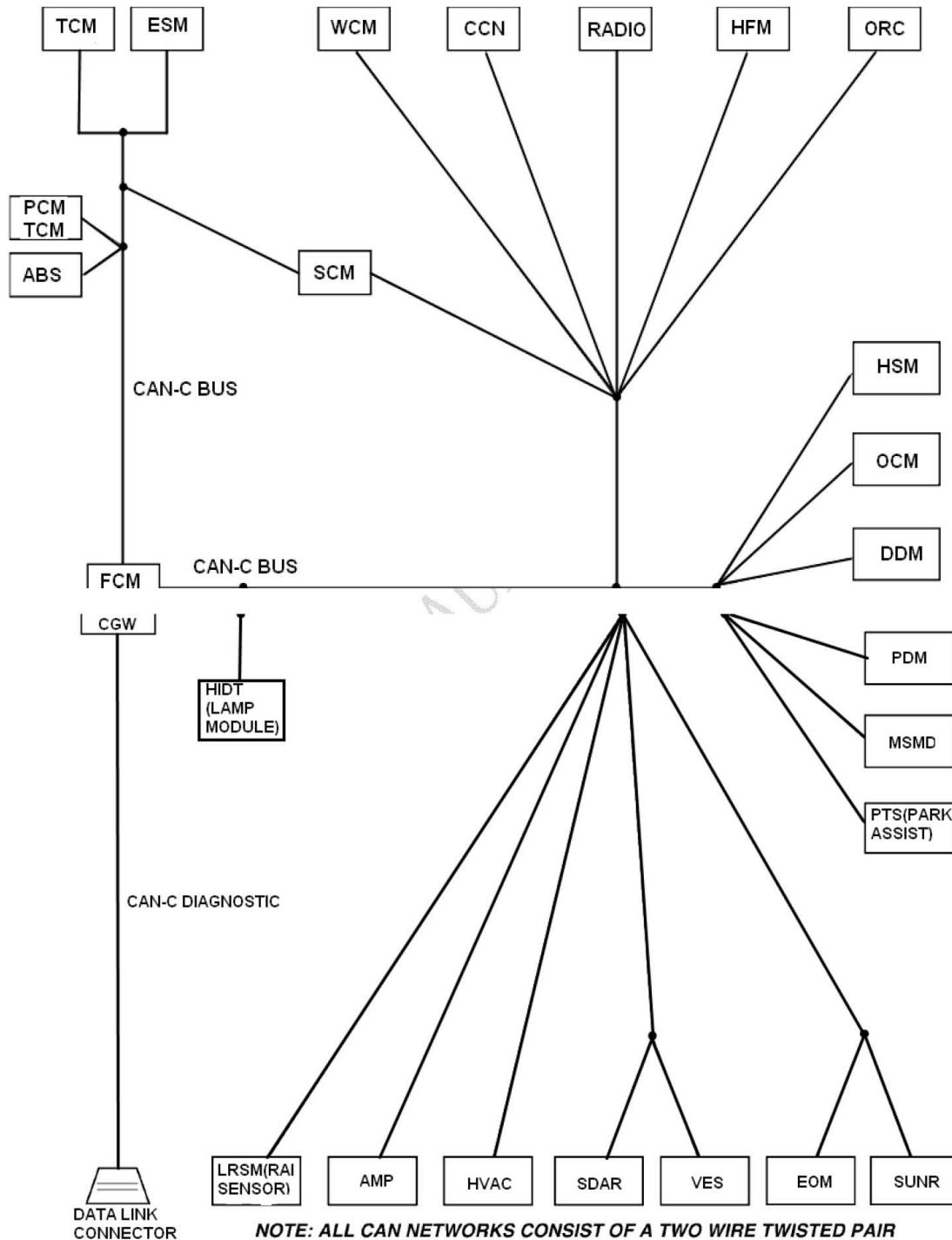


U0100 LOST COMMUNICATION WITH ECM/PCM



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 ECM/PCM for approximately 500ms.

Possible Causes
1. CAN B OR CAN C BUS CIRCUITS OPEN OR SHORTED
2. DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
3. FCM NOT CONFIGURED CORRECTLY
4. ECM/PCM
5. ECM/PCM 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 ECM/PCM IS ACTIVE ON THE BUS

Turn the ignition on.

With the scan tool, select Network Diagnostics.

Verify that the ECM/PCM is active on the bus.

Is the ECM/PCM 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 ECM/PCM?

Yes >> Replace/update the ECM/PCM 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.

LAUNCH