U0155 LOST COMMUNICATION WITH CLUSTER/CCN

NOTE: ALL CAN NETWORKS CONSIST OF A TWO WIRE TWISTED PAIR
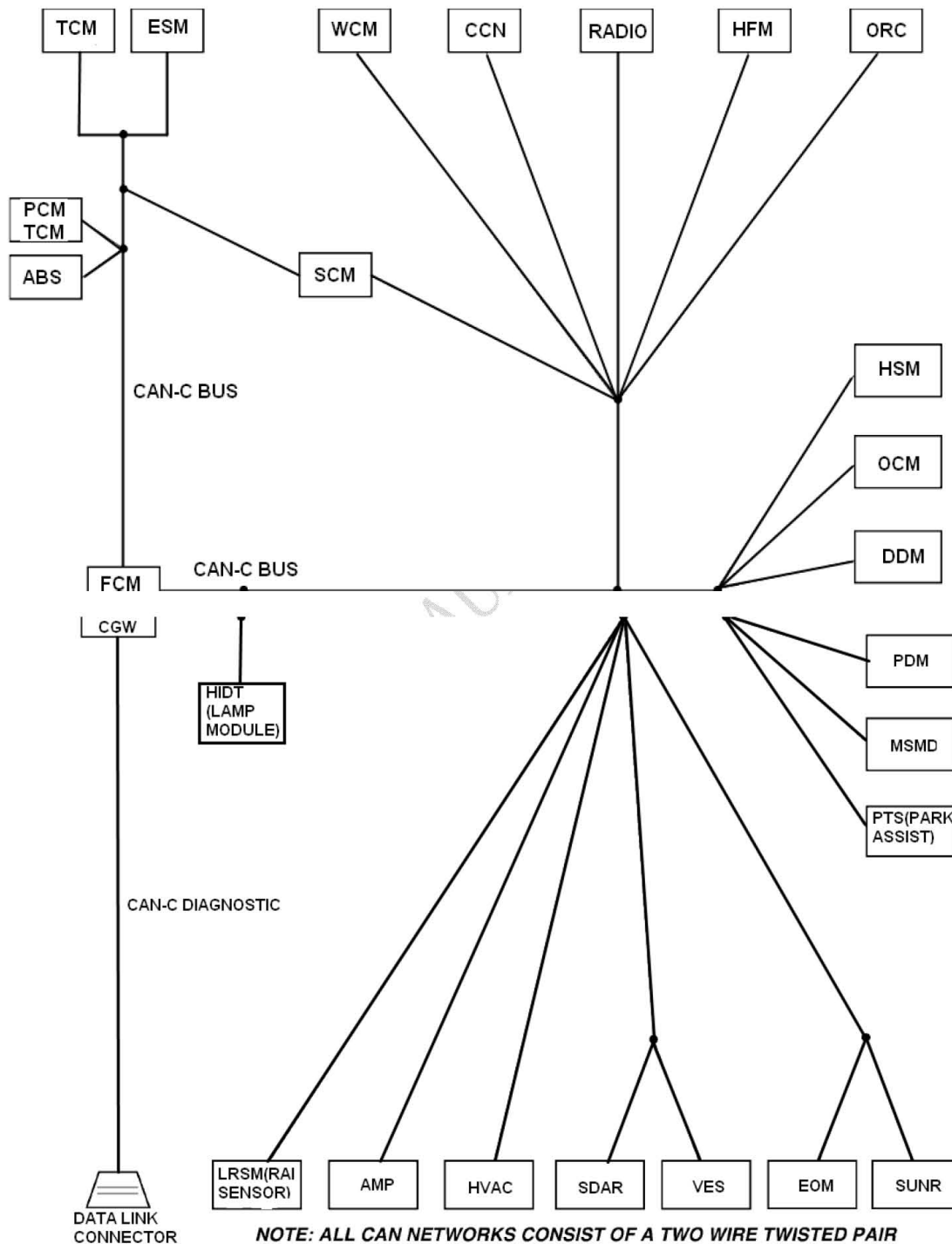
1). When Monitored:
    With the ignition on
    Battery voltage between 10 and 16 volts
    IOD fuse installed
    FCM is configured correctly

2). Set Condition:
    Bus messages not received from the Front Control Module 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. CLUSTER/CCN
5. CLUSTER/CCN 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 CCN IS ACTIVE ON THE BUS
  Turn the ignition on.
  With the scan tool, select Network Diagnostics.
  Verify that the CCN is active on the bus.

  Is the CCN 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
  CCN?
Yes >> Replace/update the Cluster (CCN) 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.