

## CAN Communication Circuit Inspection

1. With ignition off, disconnect TCM connector(H-01).
2. Measure CAN high circuit resistance between ECM(C17/B-01)and TCM(A24/H-01)
3. Measure CAN Low circuit resistance between ECM(C18/B-01) and TCM(A16/H01)
  - 1) Test Condition : Ignition "OFF" & Engine "OFF"
  - 2) Specification : Approx. 0Ω

<p><b>Test Condition</b></p> <p style="text-align: center;">  OFF                      OFF                     Disconnect  </p> <div style="text-align: center;"> <p>Specification : <b>Approx. 0Ω</b></p> <p style="text-align: right;">&lt;H-01&gt;</p> </div>	<p style="text-align: center;"><b>Connector View</b></p> <div style="text-align: center;"> <p style="margin-top: 10px;"><b>16. CAN Low</b> <b>24. CAH High</b></p> </div>
<p><b>Test Condition</b></p> <p style="text-align: center;">  OFF                      OFF                     Disconnect  </p> <div style="text-align: center;"> <p>Specification : <b>Approx. 0Ω</b></p> <p style="text-align: right;">&lt;H-01&gt;</p> </div>	<p style="text-align: center;"><b>Connector View</b></p> <div style="text-align: center;"> <p style="margin-top: 10px;"><b>16. CAN Low</b> <b>24. CAH High</b></p> </div>

4. Is resistance display near the specified value?

**i** YES

a. Go to Step"2.Terminal and Connector Inspection".

**i** NO

a. Check for an open or short to ground/battery in the CAN circuit between the TCM and ECM

b. Repair as necessary and go to "Verification vehicle Repair" procedure among the tree on the left-hand side of the window.

## Terminal and Connector Inspection

1. Many malfunctions in the electrical system may caused from poor harness and terminals. These faults can be caused by interference from other electrical systems and mechanical or chemical damage.
2. Check the following conditions:

- (1) Check for damaged harness and terminals: contact resistance, oxidation, bent or broken terminals.
- (2) Check for poor connection between ECM and component: backed out terminal, improper mating, broken locks and poor terminal to wire connection

Using a suitable male pin to ensure that contact in sockets is good. The pin should remain in position when pulled gently.



3. is a problem found?

YES

- a. Repair as necessary and go to "Verification vehicle Repair" procedure among the tree on the left-hand side of the window.

NO

- a. Go to ""Verification vehicle Repair" procedure among the tree on the left-hand side of the window.