# U1106 CAN C SIGNAL MISSING

1). When Monitored:
With the ignition on.

2). Set Condition:
The FCM detects a short in either CAN C Bus circuit.

| Possible Causes |
|---|
| 1. (D65) CAN C BUS (+) CIRCUIT SHORTED TO GROUND |
| 2. (D64) CAN C BUS (-) CIRCUIT SHORTED TO GROUND |
| 3. (D65) CAN C BUS (+) CIRCUIT SHORTED TO VOLTAGE |
| 4. (D64) CAN C BUS (-) CIRCUIT SHORTED TO VOLTAGE |
| 5. (D65) CAN C BUS (+) CIRCUIT SHORTED TO (D64) CAN C BUS (-) CIRCUIT |
| 6. ANTILOCK BRAKE MODULE |
| 7. POWERTRAIN CONTROL MODULE |
| 8. SHIFTER LEVER ASSEMBLY (NAG1 ONLY) |
| 9. TRANSMISSION CONTROL MODULE (NAG1 ONLY) |
| 10. STEERING CONTROL MODULE |
| 11. FRONT CONTROL MODULE |



## Diagnostic Test

1). TEST FOR INTERMITTENT CONDITION
Turn the ignition on.
With the scan tool, record and erase FCM DTC's.
Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read active FCM DTC's.

Does the scan tool display U1106–CAN C SIGNAL MISSING as active?

**Yes** >> Go To 2

**No** >> The conditions that caused this code to set are not present at this time. Using the wiring diagram/schematic as a guide, inspect the wiring and connectors.

2). ANTILOCK BRAKE MODULE — INTERNAL SHORT
Turn the ignition off.
Disconnect the Antilock Brake Module harness connector.
Turn the ignition on.
With the scan tool, record and erase FCM DTC's.
Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read active FCM DTC's.

Does the scan tool display U1106–CAN C SIGNAL MISSING as active?
**Yes** >> Go To 3
**No** >> Inspect the wiring and connectors for damage or shorted circuits. If ok, replace the Antilock Brake Module in accordance with the service information.
Perform ABS VERIFICATION TEST — VER 1.

3). POWERTRAIN CONTROL MODULE — INTERNAL SHORT
Turn the ignition off.
Disconnect the Powertrain Control Module C1 harness connector.
Turn the ignition on.
With the scan tool, record and erase FCM DTC's.
Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read active FCM DTC's.



Does the scan tool display U1106–CAN C SIGNAL MISSING as active?
**Yes** >> Go To 4
**No** >> Inspect the wiring and connectors for damage or shorted circuits. If ok, replace and program the Powertrain
Control Module in accordance with the service information.
Perform (NGC) POWERTRAIN VERIFICATION TEST VER - 5.

4). SHIFTER LEVER ASSEMBLY (NAG1 ONLY)— INTERNAL SHORT
Turn the ignition off.
**NOTE:** If the vehicle is not equipped with a NAG1 controller then skip this step.
Disconnect the Shifter Lever Assembly harness connector.
Turn the ignition on.
With the scan tool, record and erase FCM DTC's.
Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read active FCM DTC's.

Does the scan tool display U1106–CAN C SIGNAL MISSING as active?

**Yes** >> Go To 5

**No** >> Inspect the wiring and connectors for damage or shorted circuits. If ok, replace and program the Shifter Lever Assembly in accordance with the service information.
Perform NAG1 TRANSMISSION VERIFICATION TEST - VER 1.

5). TRANSMISSION CONTROL MODULE (NAG1 ONLY)— INTERNAL SHORT

Turn the ignition off.

**NOTE:** If the vehicle is not equipped with a NAG1 controller then skip this step.

Disconnect the Transmission Control Module C2 harness connector.
Turn the ignition on.
With the scan tool, record and erase FCM DTC's.
Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read active FCM DTC's.

Does the scan tool display U1106–CAN C SIGNAL MISSING as active?

**Yes** >> Go To 6

**No** >> Inspect the wiring and connectors for damage or shorted circuits. If ok, replace and program the Transmission Control Module in accordance with the service information.
Perform NAG1 TRANSMISSION VERIFICATION TEST - VER 1.

6). STEERING CONTROL MODULE — INTERNAL SHORT

Turn the ignition off.
Disconnect the Steering Control Module harness connector.
Turn the ignition on.
With the scan tool, record and erase FCM DTC's.
Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read active FCM DTC's.

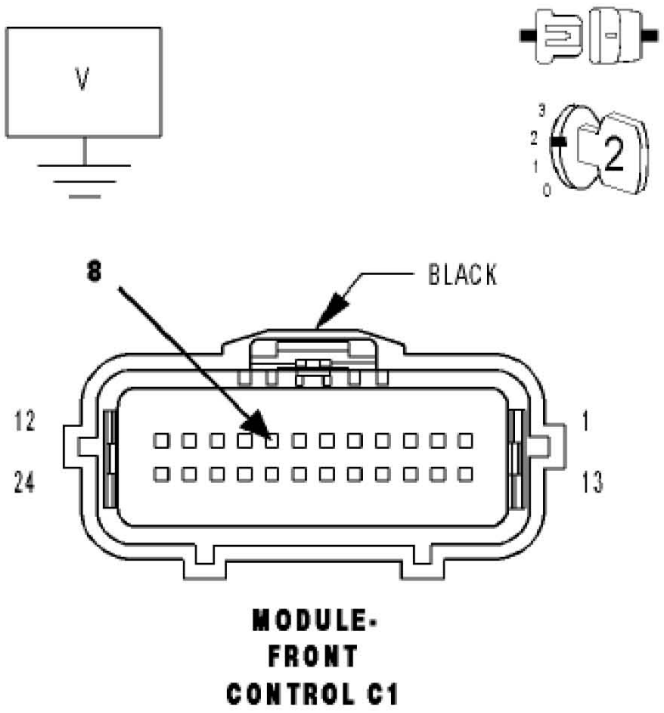
Does the scan tool display U1106–CAN C SIGNAL MISSING as active?

**Yes** >> Go To 7

**No** >> Inspect the wiring and connectors for damage or shorted circuits. If ok, replace and program the Steering
Control Module in accordance with the service information.
Perform BODY VERIFICATION TEST – VER 1.

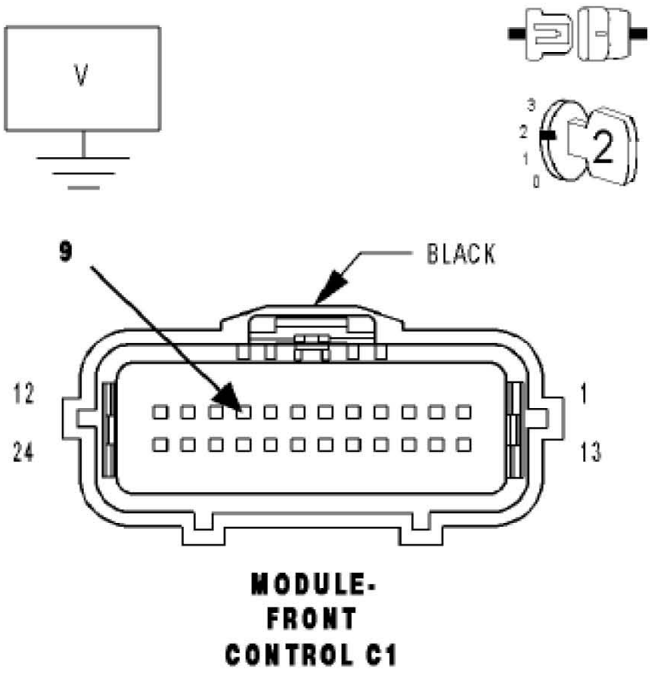
7). (D65) CAN C BUS (+) CIRCUIT SHORTED TO VOLTAGE
Turn the ignition off.
Disconnect the Front Control Module C1 harness connector.
Turn the ignition on.
Measure the voltage between the (D65) CAN C Bus (+) circuit and ground.

Is there any voltage present?
**Yes** >> Repair the (D65) CAN C Bus (+) circuit for a short to voltage.
Perform BODY VERIFICATION TEST – VER 1.
**No** >> Go To 8




8). (D64) CAN C BUS (-) CIRCUIT SHORTED TO VOLTAGE
Measure the voltage between the (D64) CAN C Bus (-) circuit and ground.

Is there any voltage present?
**Yes** >> Repair the (D64) CAN C Bus (-) circuit for a short to voltage.
Perform BODY VERIFICATION TEST – VER 1.
**No** >> Go To 9




9). (D65) CAN C BUS (+) CIRCUIT SHORTED TO GROUND

Turn the ignition off.

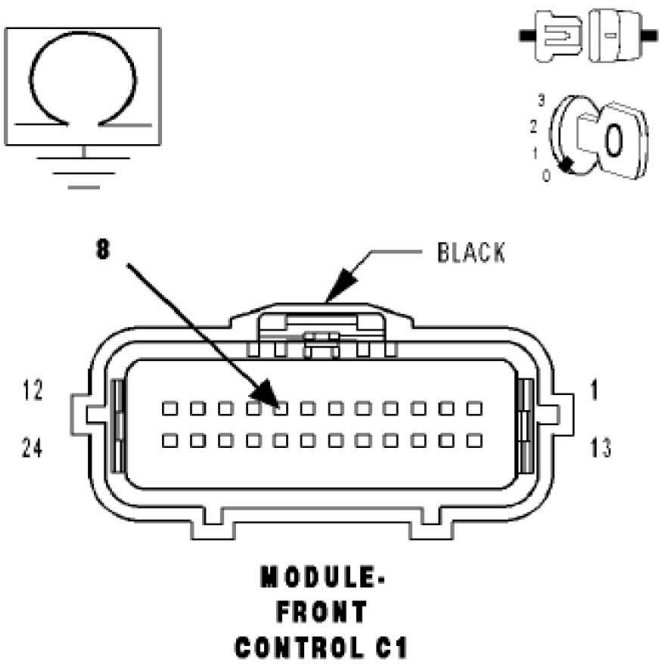
Measure the resistance between ground and the (D65) CAN C Bus (+) circuit.

Is any resistance present?

**Yes** >> Repair the (D65) CAN C Bus (+) circuit for a short to ground.

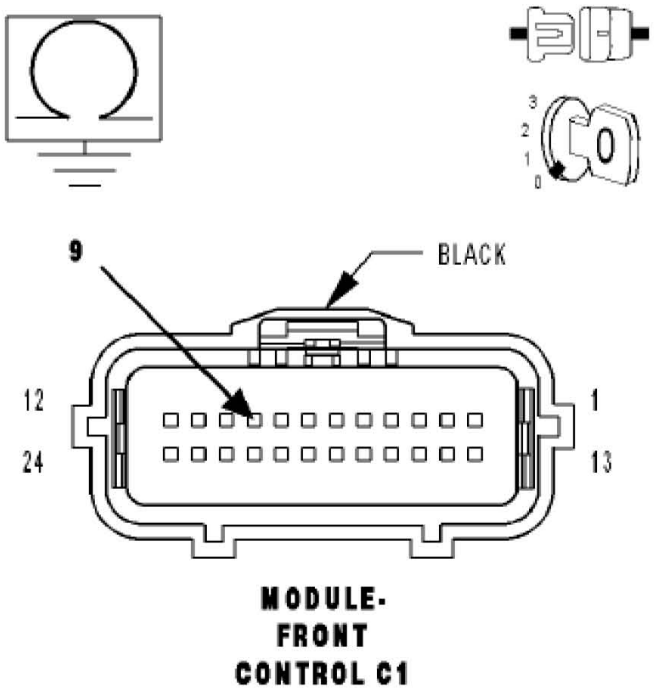
Perform BODY VERIFICATION TEST – VER 1.

No >> Go To 10



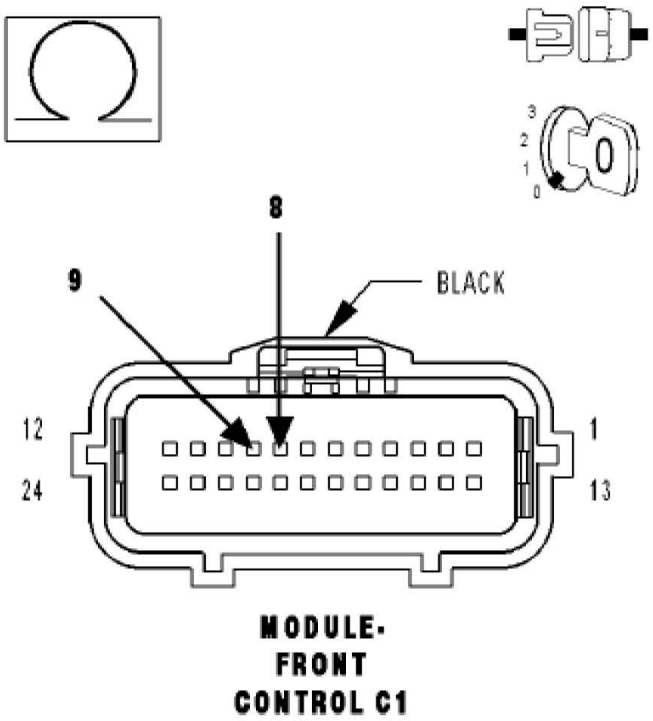
10). (D64) CAN C BUS (-) CIRCUIT SHORTED TO GROUND
Measure the resistance between ground and the (D64) CAN C Bus (-) circuit.

Is any resistance present?
**Yes** >> Repair the (D64) CAN C Bus (-) circuit for a short to ground.
Perform BODY VERIFICATION TEST – VER 1.
No >> Go To 11




11. (D65) CAN C BUS (+) CIRCUIT SHORTED TO (D64) CAN C BUS (-) CIRCUIT
Measure the resistance between the (D65) CAN C Bus (+) circuit and the (D64) CAN C Bus (-) circuit.

Is any resistance present?
**Yes** >> Repair the (D65) CAN C Bus (+) circuit for a short to the (D64) CAN C Bus (-) circuit.
Perform BODY VERIFICATION TEST – VER 1.
**No** >> Inspect the wiring and connectors for damage or shorted circuits. If ok, replace and program the Front Control Module in accordance with the service information.
Perform BODY VERIFICATION TEST – VER 1.




**MODULE-
FRONT
CONTROL C1**