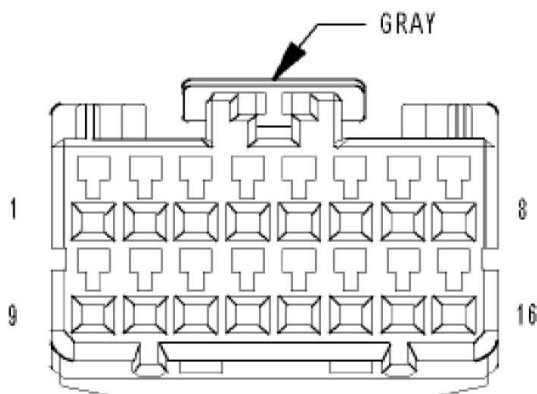
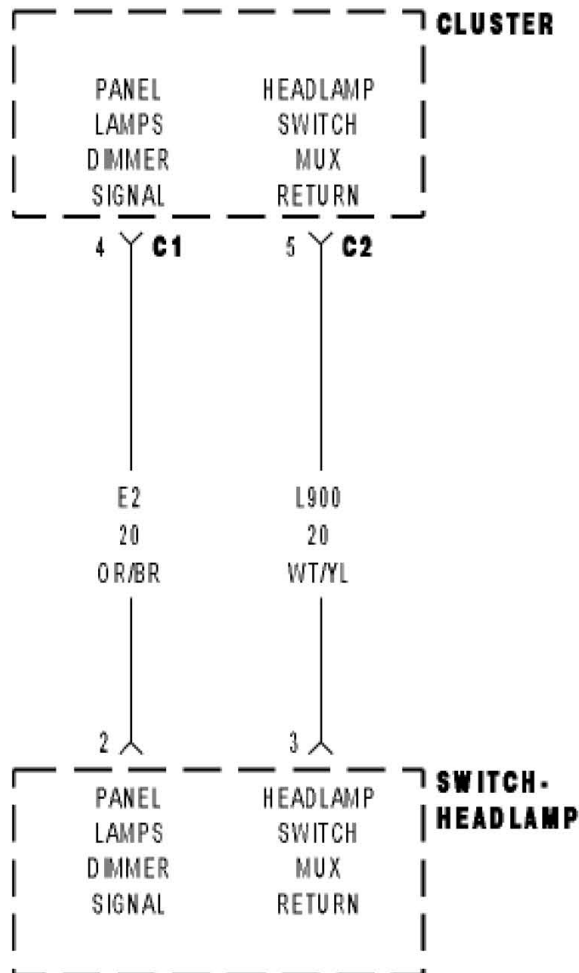
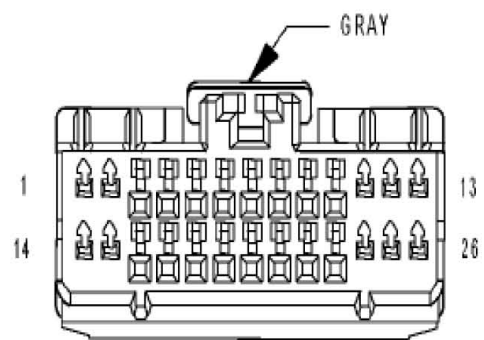


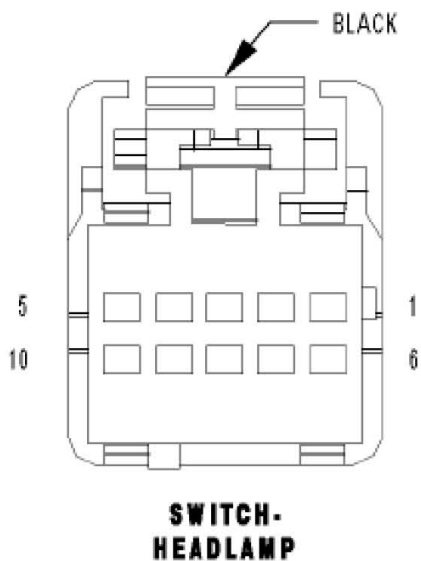
# B160A PANEL DIMMER INPUT CIRCUIT LOW



**CLUSTER C2**



**CLUSTER C1**



- 1). When Monitored:  
With the Instrument Cluster awake.
- 2). Set Condition:  
Panel Dimmer Input less than 0.5 volts.

Possible Causes
1. (E2) PANEL LAMPS DIMMER SIGNAL CIRCUIT SHORTED TO GROUND 2. HEADLAMP SWITCH 3. INSTRUMENT CLUSTER



## Diagnostic Test

- 1). CHECK FOR AN ACTIVE DTC
  - Turn the ignition on.
  - With the scan tool, record and erase DTCs.
  - Activate the Panel Dimmer Switch.
  - Wait 30 seconds.
  - With the scan tool, read DTCs.

Is the DTC active?

Yes >> Go To 2

- No >> The condition that caused this code to set is not present at this time.
- Check for an intermittent condition by inspecting the related wiring harness for chaffed, pierced, pinched, and partially broken wires. Also inspect the related connectors for broken, bent, pushed out, spread, corroded, or contaminated terminals.
- Perform BODY VERIFICATION TEST - VER 1.

## 2). CHECK OPERATION OF HEADLAMP SWITCH

Disconnect the Headlamp Switch harness connector.

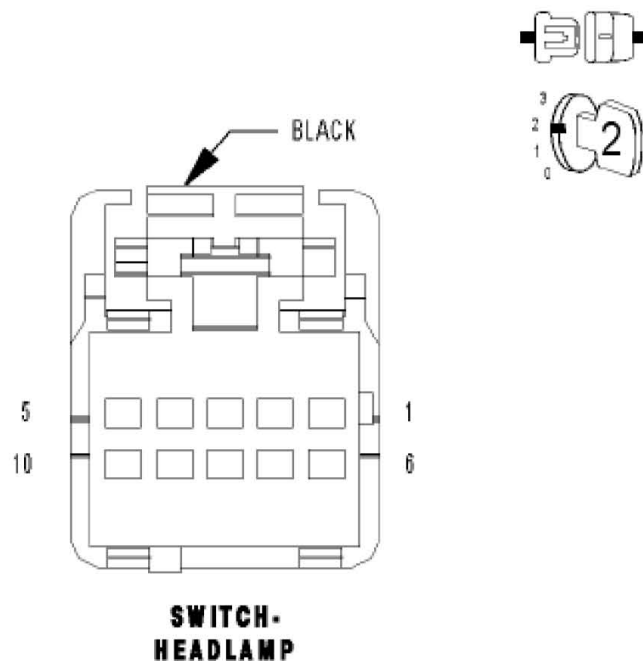
With the scan tool, read Instrument Cluster DTCs.

Does the scan tool display-B160B-PANEL DIMMER INPUT CIRCUIT HIGH?

**Yes** >> Replace the Headlamp Switch in accordance with the service information.

Perform BODY VERIFICATION TEST - VER 1.

**No** >> Go To 3



## 3). CHECK THE (E2) PANEL LAMPS DIMMER SIGNAL CIRCUIT FOR A SHORT TO GROUND

Turn the ignition off.

Disconnect the Instrument Cluster C1 harness connector.

Measure the resistance between ground and the (E2) Panel Lamps Dimmer Signal Circuit.

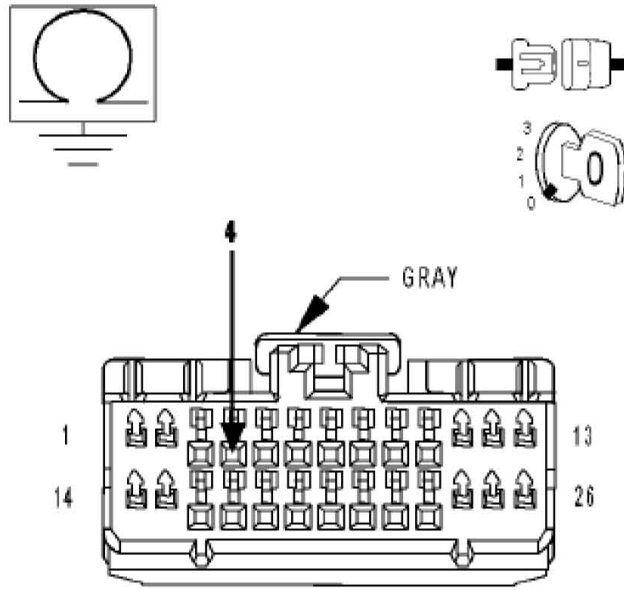
Is the resistance below 10K ohms?

**Yes** >> Repair the (E2) Panel Lamps Dimmer Signal Circuit for a short to ground.

Perform BODY VERIFICATION TEST - VER 1.

**No** >> Replace the Instrument Cluster in accordance with the service information.

Perform BODY VERIFICATION TEST - VER 1.



**CLUSTER C1**

LAUNCH