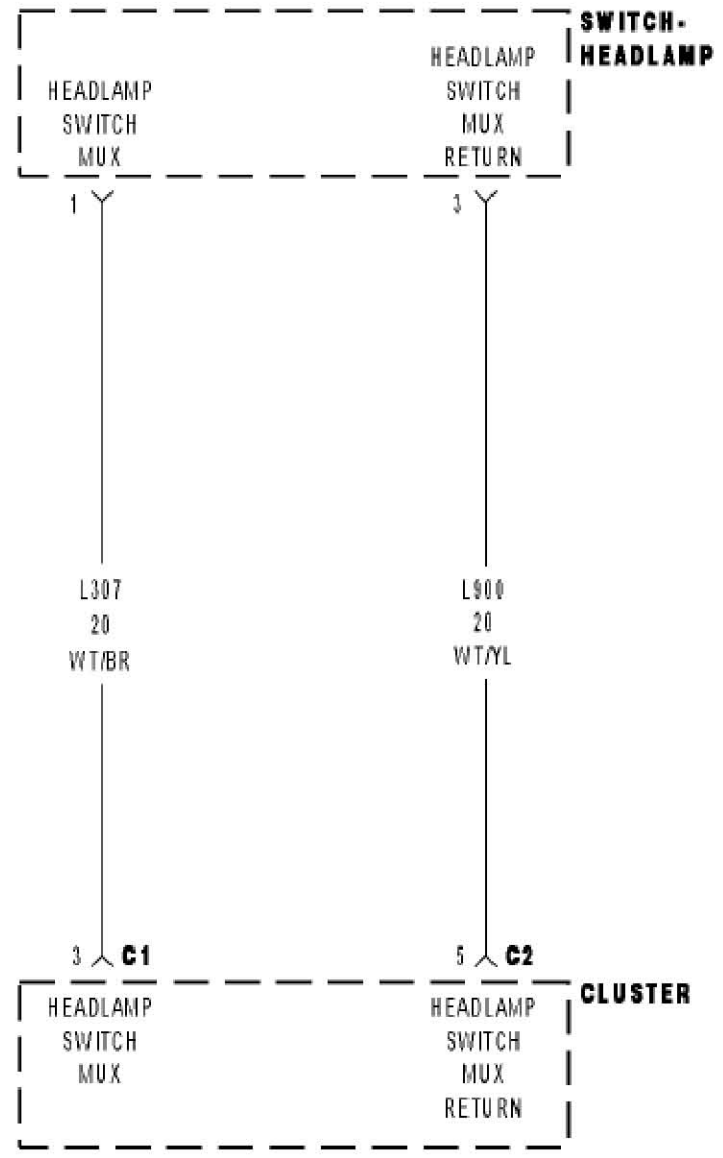
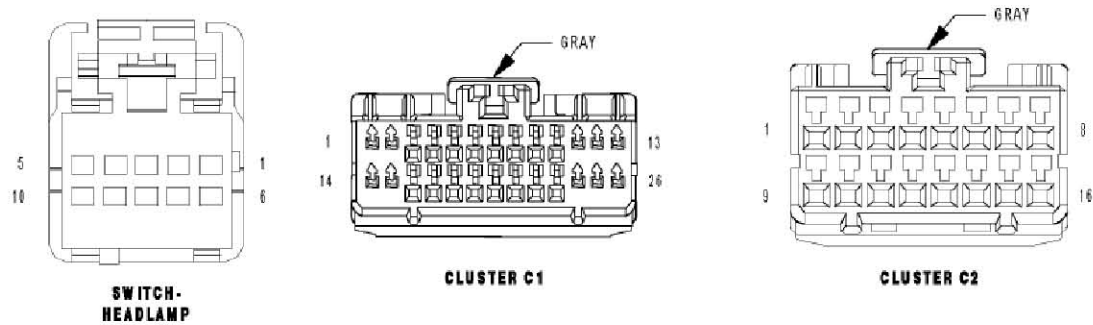


# B1608 HEADLAMP SWITCH INPUT CIRCUIT HIGH





### Possible Causes

1. HEADLAMP SWITCH
2. (L900) HEADLAMP MUX RETURN CIRCUIT
3. (L307) HEADLAMP MUX INPUT CIRCUIT
4. INSTRUMENT CLUSTER

## Diagnostic Test

### 1). INTERMITTENT CONDITION

Turn the ignition on.

With the Scan Tool, clear all CCN DTC's.

Turn the Headlamps on.

With the Scan Tool, read the DTC information.

Does the Scan Tool read: B1608-HEADLAMP SWITCH INPUT CIRCUIT HIGH?

**Yes** >> Go To 2

**No** >> The condition that caused the symptom is currently not present. Inspect the related wiring for a possible intermittent condition. Look for any chafed, pierced, pinched, or partially broken wires.

Perform the BODY VERIFICATION TEST — VER 1.

### 2). HEADLAMP SWITCH

Disconnect the Headlamp Switch connector.

Turn the ignition on.

Measure the voltage between the (L900) Headlamp MUX Return circuit and (L307) Headlamp Input MUX circuit.

Does the voltage read 0.0 volts?

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

Perform the BODY VERIFICATION TEST — VER 1.

**No** >> Go To 3

### 3). (L900) MUX RETURN CIRCUIT

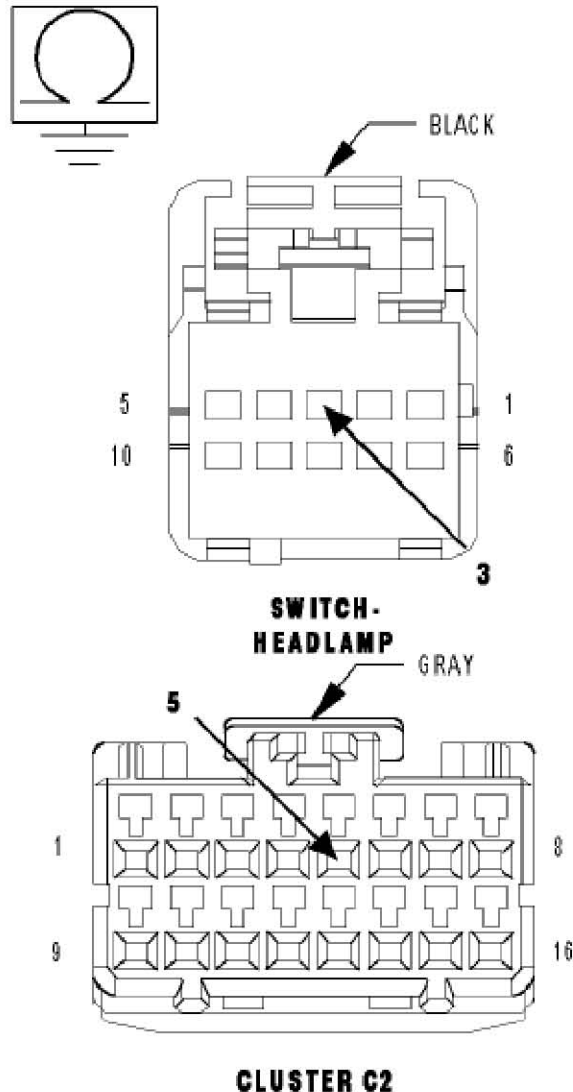
Turn the ignition off.

Disconnect the Headlamp Switch connector.  
 Disconnect the Instrument Cluster C2 connector.  
 Measure the resistance of the (L900) Headlamp MUX Return circuit.

Is the resistance below 5.0 ohms?

**Yes** >> Go To 4

**No** >> Repair the (L900) Headlamp MUX Return circuit.  
 Perform the BODY VERIFICATION TEST — VER 1.



#### 4). INSTRUMENT CLUSTER

Turn the ignition off.  
 Disconnect the Headlamp Switch connector.  
 Disconnect the Instrument Cluster C2 connector.  
 Measure the resistance of the (L307) Headlamp MUX circuit.

Is the resistance below 5.0 ohms?

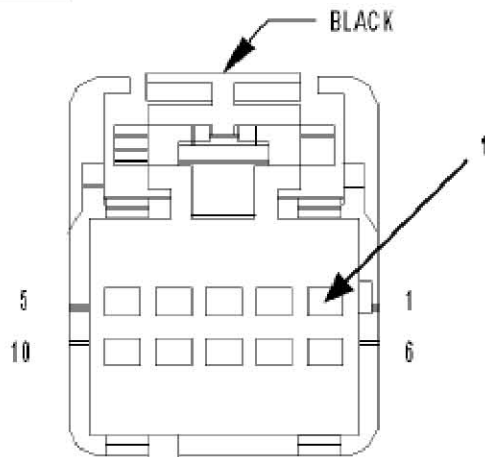
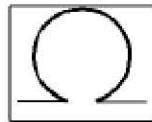
**Yes** >> Replace the instrument Cluster in accordance with the service

information.

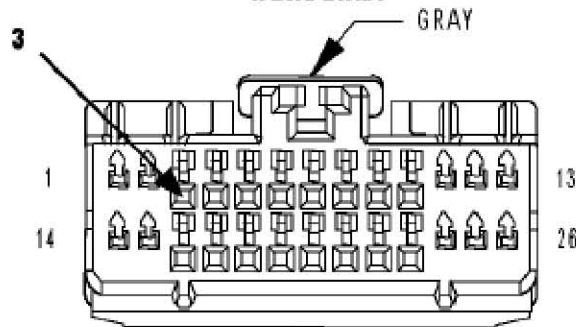
Perform the BODY VERIFICATION TEST — VER 1.

**No >>** Repair the (L307) Headlamp MUX circuit.

Perform the BODY VERIFICATION TEST — VER 1.



**SWITCH-  
HEADLAMP**



**CLUSTER C1**