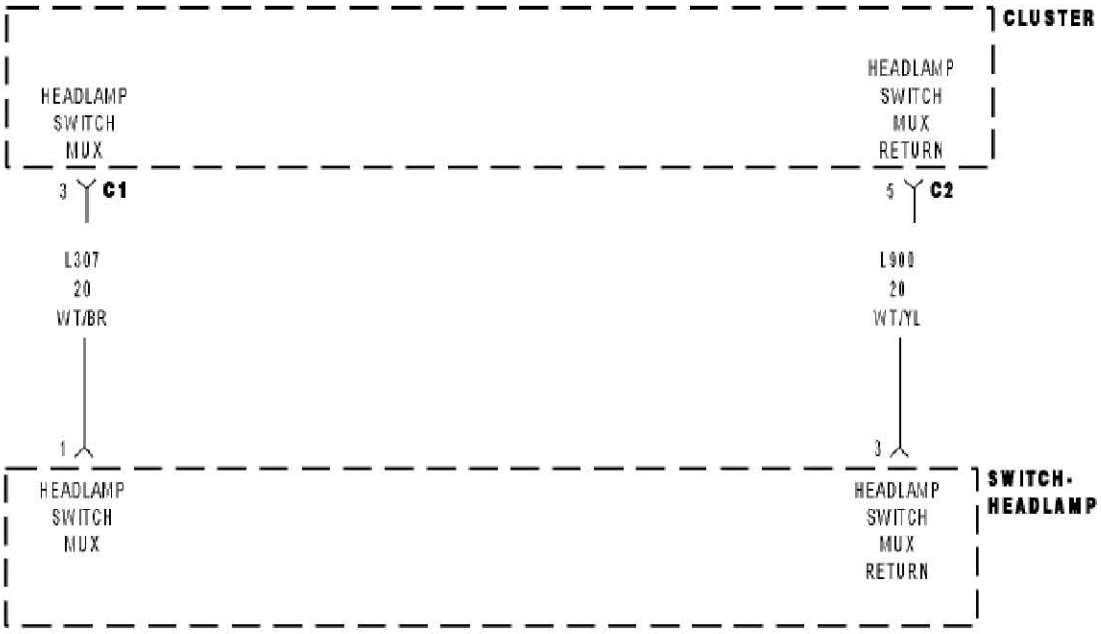
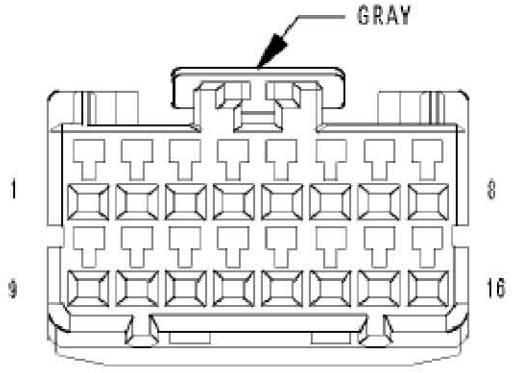
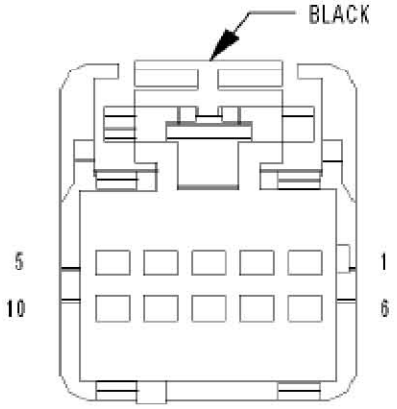
B168F FRONT FOG LAMP SWITCH STUCK





CLUSTER C2



SWITCH-HEADLAMP

1). When Monitored:
With the Fog Lamps on.
2). Set Condition:
When the CCN detects a Fog Lamp Switch Stuck message on the BUS.

Possible Causes
1. HEADLAMP SWITCH
2. (L307) SWITCH MUX CIRCUIT SHORT TO THE (L900) SWITCH RETURN CIRCUIT
3. (L307) HEADLAMP SWITCH MUX SHORT TO GROUND
4. INSTRUMENT CLUSTER

Diagnostic Test

1). TEST FOR INTERMITTENT CONDITION
With the scan tool, record and erase DTC's
Operate the Fog Lamp Switch several times.
Turn the ignition on and wait 30 seconds.
With the scan tool, read DTC's.

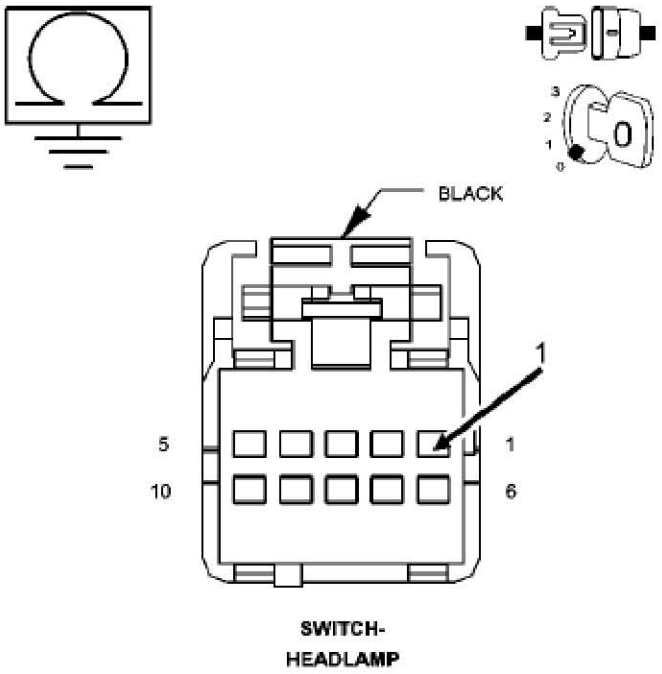
Does the scan tool display: B168F-FRONT FOG LAMP SWITCH STUCK?
Yes >> Go To 2
No >> The conditions that caused this code to set are not present at this time.
Using the wiring diagram/schematic as a guide, inspect the wiring and connectors.
Perform BODY VERIFICATION TEST - VER 1.

2). HEADLAMP SWITCH SHORTED
With the scan tool, erase DTC's.
Disconnect the Headlamp Switch connector.
With the scan tool, read DTC's.

Does the scan tool display: B168F-FRONT FOG LAMP SWITCH STUCK?
No >> Replace the Headlamp Switch in accordance with the service information.
Perform BODY VERIFICATION TEST - VER 1.
Yes >> Go To 3

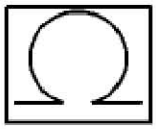
3). (L307) HEADLAMP SWITCH MUX CIRCUIT SHORT TO GROUND
Turn the ignition off.
Disconnect the Cluster C1 connector.
Measure the resistance between ground and the (L307) Headlamp Switch Mux circuit.

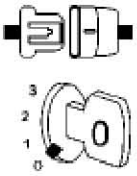
Is the resistance below 10000.0 ohms?
Yes >> Repair the (L307) Headlamp Switch Mux circuit for a short to ground.
Perform BODY VERIFICATION TEST - VER 1.
No >> Go To 4

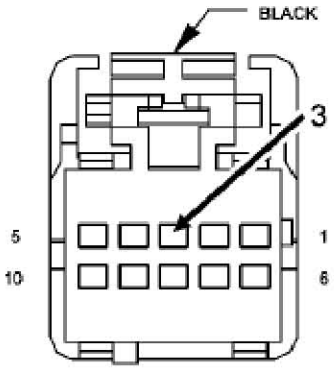


4). (L307) SWITCH MUX CIRCUIT SHORT TO (L900) SWITCH RETURN CIRCUIT
Disconnect the Cluster C2 connector.
Measure the resistance between the (L307) Switch Mux circuit and the (L900) Switch Return circuit.

Is the resistance below 10000.0 ohms?
Yes >> Repair the (L307) Switch Mux circuit for a short to the (L900) Switch Return circuit.
Perform BODY VERIFICATION TEST - VER 1.
No >> Replace the Instrument Cluster.
Perform BODY VERIFICATION TEST - VER 1.







SWITCH-
HEADLAMP