

B1D22 B1D2E MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT/PERFORMANCE – DOOR MODULE

DRIVER
MIRROR
VERTICAL
POSITION
SIGNAL

**MODULE-
DOOR-
DRIVER
(MEMORY)**

7 C4

P67
20
TN/OR

7

DRIVER
MIRROR
VERTICAL
POSITION
SIGNAL

**MIRROR-
OUTSIDE
REARVIEW-
DRIVER
(MEMORY)**

PASSENGER
MIRROR
VERTICAL
POSITION
SIGNAL

**MODULE-
DOOR-
PASSENGER
(MEMORY)**

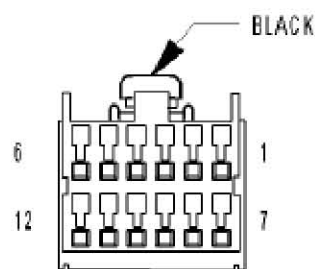
7 C4

P64
20
TN

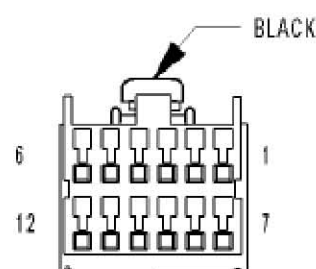
7

PASSENGER
MIRROR
VERTICAL
POSITION
SIGNAL

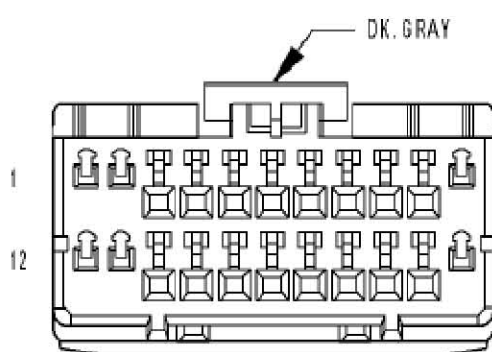
**MIRROR-
OUTSIDE
REARVIEW-
PASSENGER
(MEMORY)**



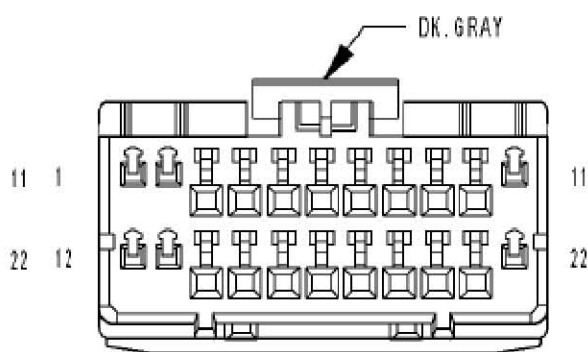
**MIRROR-
OUTSIDE REARVIEW-
DRIVER
(MEMORY)**



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(MEMORY)**



**MODULE-
DOOR-
DRIVER C4
(MEMORY)**



**MODULE-
DOOR-
PASSENGER C4
(MEMORY)**

1). When Monitored:

Continuously

2). Set Condition:

When the Driver/Passenger Door Module senses a value below the parameter of the mirror sensor on the Mirror Vertical Position Signal circuit for over 60ms., this code will set.

NOTE: This test covers both the Driver and Passenger code depending on the side the code appeared in.

Possible Causes

1. (P75) OR (P74) MIRROR HORIZONTAL DRIVER CIRCUIT SHORT TO GROUND
2. (P75) OR (P74) MIRROR HORIZONTAL DRIVER CIRCUIT SHORTED TO THE (Z912) OR (Z911) GROUND CIRCUIT
3. MIRROR SHORTED
4. DRIVER/PASSENGER DOOR MODULE

Diagnostic Test

1). TEST FOR INTERMITTENT CONDITION

Turn the ignition on.

With the scan tool, record and erase DTC's

Operate the Mirror Switch in all directions several times.

Cycle the ignition from on to off 3 times.

Turn the ignition on.

With the scan tool, read DTC's.

Does the scan tool display B1D22 or B1D2E–MIRROR HORIZONTAL
MOTOR CONTROL CIRCUIT/PERFORMANCE?

Yes >> Go To 2

No >> The conditions that caused this code to set are not present at this time.

Using the wiring diagram/schematics as a guide, inspect the wiring and
connectors.

2). TEST FOR A SHORTED MIRROR

Disconnect the appropriate mirror connector.

With the scan tool, erase DTC's.

Operate the Mirror Switch in all directions several times.

Cycle the ignition from on to off 3 times.

Turn the ignition on.

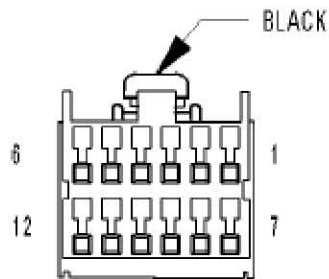
With the scan tool, read DTC's.

Does the scan tool display B1D22 or B1D2E–MIRROR HORIZONTAL
MOTOR CONTROL CIRCUIT/PERFORMANCE?

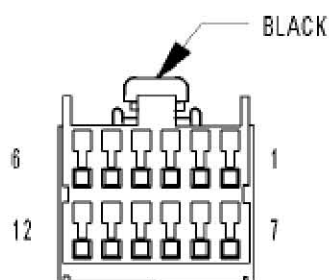
No >> Replace the Mirror.

Perform BODY VERIFICATION TEST - VER 1.

Yes >> Go to 3



**MIRROR-
OUTSIDE REARVIEW-
DRIVER
(MEMORY)**



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(MEMORY)**

3). TEST THE (P75) OR (P74) MIRROR HORIZONTAL MOTOR DRIVER WIRE FOR A SHORT TO GROUND

Turn the ignition off.

Disconnect the appropriate Door Module C4 connector.

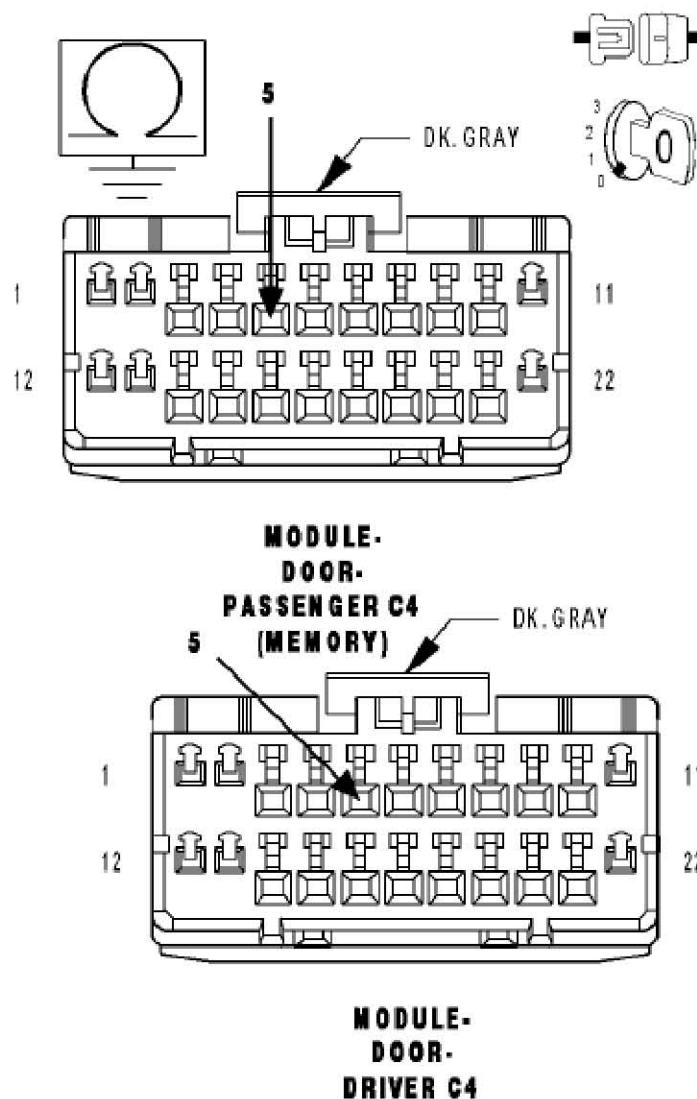
Measure the resistance between ground and the (P75) or (P74) Mirror Horizontal Motor Driver circuit.

Is the resistance below 5000.0 ohms?

Yes >> Repair the (P75) or (P74) Mirror Horizontal Motor Driver circuit for a short to ground.

Perform BODY VERIFICATION TEST - VER 1.

No >> Go to 4



- 4). TEST THE (P75) OR (P74) MIRROR HORIZONTAL MOTOR DRIVER CIRCUIT SHORTED TO THE (Z912) OR (Z911) GROUND CIRCUIT. Measure the resistance between the (P75) or (P74) Mirror Horizontal Driver circuit and the (Z912) or (Z911) Ground circuit.

Is the resistance below 5000.0 ohms?

Yes >> Repair the (P75) or (P74) Mirror Horizontal Motor Driver circuit for a short to the (Z912) or (Z911) Mirror Heater Ground Circuit. Perform BODY VERIFICATION TEST - VER 1.

No >> Replace the appropriate Door Module. Perform BODY VERIFICATION TEST - VER 1.

