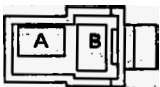
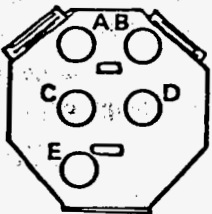


HARNESS CONNECTOR FACES



BLK 2989743
Sunroof Motor



BLK 12004602
Sunroof Switch Assembly,

COMPONENT LOCATION

Page-Figure

Fuse Block.	Under LH side of I/P	201-12-A
Sunroof Motor.	Center of windshield header area	201-23-C
Sunroof Switch Assembly.	Center of windshield header area	201-23-C
C553 (1cavity)	Behind LH side of I/P , near upper access hole. .	201-23-C
G241	LH side of windshield header area	201-2342
S340.	Cross car harness, above steering column	

TROUBLESHOOTING HCNTS

- Try the following checks before doing the System Check.
- 1. Check the WDO Circuit Breaker by operating the Power Windows (if equipped).
- 2. Check that G241 is clean and tight.
- Go to System **Check for a guide to normal** operation.
- Go to System Diagnosis for diagnostic tests.

SYSTEM CHECK

- Use the System Check Table as a guide to normal operation.
- Refer to System Diagnosis for a list of symptoms and diagnostic steps.

SYSTEM CHECK TABLE

ACTION	NORMAL RESULT
1. With the Ignition Switch in RUN, move the Sunroof Switch to open.	Sunroof operates smoothly with no sticking to full open position
2. Hold the Sunroof Switch in CLOSE position	Sunroof operates smoothly with no sticking and closes completely

- Refer to System Diagnosis if a result is not normal.

SYSTEM DIAGNOSIS

- Do the tests below if the Sunroof does not operate.

A: SUNROOF SWITCH ASSEMBLY CONNECTOR TEST

Connect: TEST LAMP At: SUNROOF SWITCH ASSEMBLY CONNECTOR (Connected) Condition: • Ignition Switch: RUN		
Connect Between	Correct Result	For Diagnosis
A (PNK) & Ground	Test lamp lights	See 1
A (PNK) & B (BLK)	Test lamp lights	See 2
A (PNK) & E (BLK)	Test lamp lights	See 2
• Hold Sunroof Switch in OPEN		
D (BLK/ WHT) & C (LT GRN)	Test lamp lights	See 3
• Hold the Sunroof Switch in CLOSE		
D (BLK/ WHT) & C (LT GRN)	Test lamp lights	See 3
- If all the results are correct, go to Test B. 1. Check/repair PNK (76) wire for an open. 2. Check/repair BLK (150) wire for an open. 3. Replace Sunroof Switch Assembly.		

B: SUNROOF MOTOR CONNECTOR TEST

Connect: TEST LAMP At: SUNROOF MOTOR CONNECTOR (Disconnected) Conditions: • Ignition Switch: RUN • Operate Sunroof Switch in OPEN and CLOSE positions		
Connect Between	Correct Result	For Diagnosis
(BLK/ WHT) wire & (LT GRN) wire	Test lamp lights	See 1
- If the result is correct, replace the Sunroof Motor. Refer to Section 8 of the Body Service Manual for removal and installation procedures. 1. Check/repair BLK/ WHT (942) and LT GRN (941) wires for an open.		

CIRCUIT OPERATION

With the Ignition Switch in RUN and the Sunroof Switch in OPEN, voltage is applied to the Sunroof Motor windings through the BLK/ WHT wire and the Sunroof opens. When the Sunroof Switch is placed in CLOSE, voltage is applied to the Sunroof Motor through the LT GRN wire. The motor runs in the opposite direction and the window closes.

BLANK