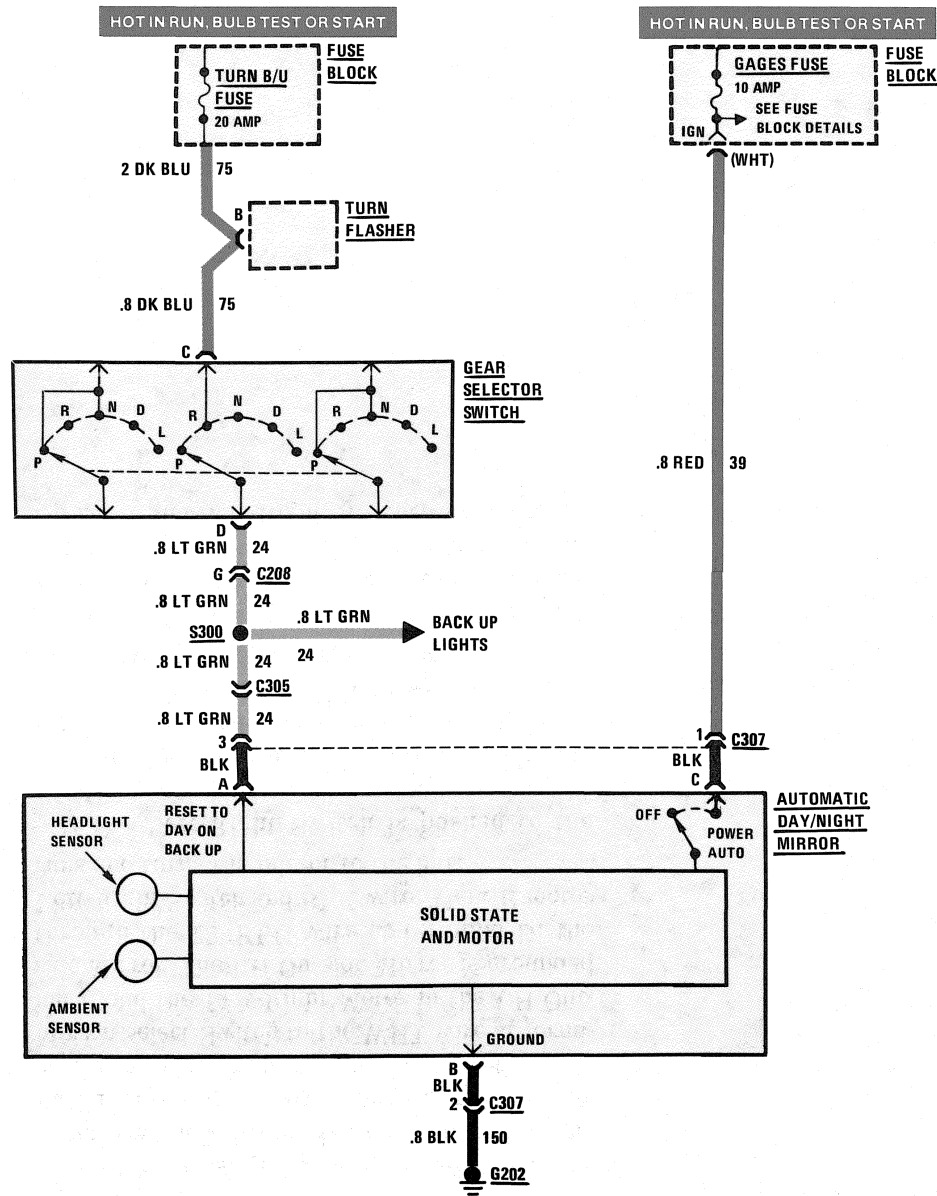
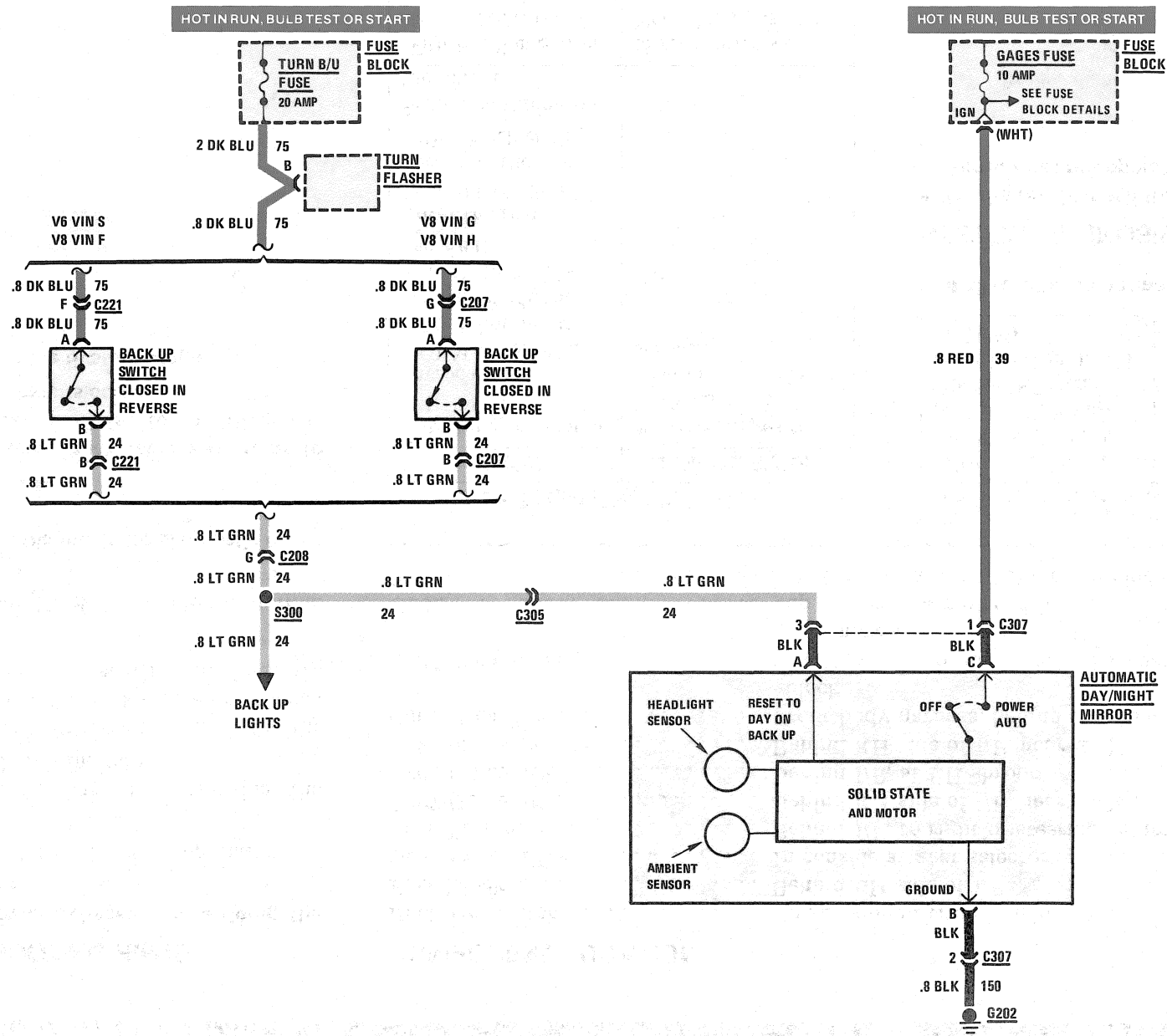


# ◦ AUTOMATIC DAY/NIGHT MIRROR: WITH AUTOMATIC TRANSMISSION



◦ AUTOM. IC DAY/NIGHT MIRROR: WITH MANUAL TRANSMISSION



# AUTOMATIC DAY/NIGHT MIRROR

## TROUBLESHOOTING HINTS

- **Try the following checks before doing the System Check.**
- 1. Check TURN B/U Fuse by operating the Turn Lights.
- 2. Check GAGES Fuse by observing the FASTEN BELTS Indicator.
- 3. Check the Gear Selector Switch (Automatic Transmission) or the Back Up Switch (Manual Transmission) by observing the Back Up Lights.
- **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 the diagnosis given if other results occur.**
- **Tests follow in the System Diagnosis.**

## COMPONENT LOCATION

Page-Figure

Back Up Switch . . . . .	On LH side of transmission . . . . .	201- 8-D
Fuse Block . . . . .	Behind LH side of I/P . . . . .	201-11-A
Gear Selector Switch . . . . .	In console at gear selector . . . . .	201-12-D
Turn Flasher . . . . .	Behind I/P, to right of steering column. . . . .	201-11-A
C207 (15 cavities) . . . . .	Behind RH side of I/P, near ECM . . . . .	201-12-A
C208 (15 cavities) . . . . .	Behind I/P, at LH shroud. . . . .	201-12-A
C221 (6 cavities) . . . . .	Behind RH side of I/P, near ECM	
C305 (1 cavity) . . . . .	Front body harness, behind I/P, near fuse block	
C307 (3 cavities) . . . . .	Day/Night mirror harness, under headliner, near mirror	
G202 . . . . .	Top center of windshield header	
S300. . . . .	Front body harness, behind LH side of I/P	

## SYSTEM CHECK TABLE

ACTION	NORMAL RESULT
With Ignition Switch in RUN and the mirror in the NORMAL position, set the Automatic Day/Night Mirror controls to AUTO and FAR Cover the rear (windshield side) portion of the mirror with a black cloth Shine a flashlight on the mirror	Mirror changes to NON-GLARE position within 15 seconds
With Ignition Switch still in RUN, remove the cloth and turn flashlight off	Mirror returns to NORMAL position within 15 seconds

(Continued from previous column)

With the mirror in the NON-GLARE position, shift into REVERSE gear (Ignition Switch still in RUN)	Mirror returns to NORMAL position
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- **If all results are normal, the system is OK.**

## SYSTEM DIAGNOSIS

- **Do the test below if the Automatic Day/Night Mirror does not operate properly.**

(Continued in next column)

**A: AUTOMATIC DAY/NIGHT MIRROR TEST**

<b>Measure: VOLTAGE</b> <b>At: CONNECTOR C307 (FEMALE HALF)</b> <b>(Disconnected)</b> <b>Conditions:</b> <ul style="list-style-type: none"> <li>• Ignition Switch: RUN</li> <li>• Gear Selector: R (Reverse)</li> </ul>		
Measure Between	Correct Voltage	For Diagnosis
1 (RED) & Ground	Battery	See 1
1 (RED) & 2 (BLK)	Battery	See 2
3 (LT GRN) & Ground	Battery	See 3
• Gear Selector: P, N, $\text{\textcircled{D}}$ , D, 2, OR 1		
3 (LT GRN) & Ground	0 Volts	See 3
<ul style="list-style-type: none"> <li>• If all voltages are correct and Automatic Day/Night Mirror doesn't work, check/repair the BLK wires to the Automatic Day/Night Mirror. Replace the Automatic Day/Night Mirror if the BLK wires are good.</li> </ul> <ol style="list-style-type: none"> <li>1. Check/repair the RED (39) wire.</li> <li>2. Check/repair the BLK (150) wire.</li> <li>3. Indicators—check/repair LT GRN (24) wire, Gear Selector Switch or Back Up Switch and DK BLU (75) wire.</li> </ol>		

**CIRCUIT OPERATION**

The Automatic Day/Night Mirror is automatically moved to the DAY and NIGHT positions as light conditions change. The Headlight and Ambient Sensors read the light conditions and feed this information to the Solid State Mirror Control Unit. The Mirror Control Unit activates the motor that drives the mirror.

The Automatic Mirror has four features: the distance dials, a green LED, rear glare sensor, and an OFF/AUTO Switch.

**DISTANCE DIAL**

The level of sensitivity of the mirror can be adjusted by turning the distance dial to any position between NEAR and FAR. FAR will be the most sensitive setting and bright headlights far away will cause the mirror to change position. NEAR will be the least sensitive setting and bright headlights will have to be closer to change the mirror position.

**GREEN LED**

The green LED will be lit when the mirror is in the NON-GLARE position.

**REAR GLARE SENSOR**

There are two light sensors in this mirror. The rear sensor that detects rear headlight glare is aimed out the back window. The second sensor automatically adjusts the level of sensitivity (preset by the distance dial) to the amount of outside light. For example, on a bright city street it will take a greater amount of rear headlight glare to

change the mirror than on a dark country road. The distance setting may be altered until the most comfortable setting for all conditions is attained.

**OFF/AUTO SWITCH**

When the Automatic Day/Night Mirror Switch is in the AUTO position, the mirror will not change position during the day. The mirror is automatically alert at night. A time delay is normal between position changes. This prevents excessive changes of the mirror in busy traffic or on rolling curves. When the Ignition Switch is turned OFF with the mirror in the NON-GLARE position, it will remain in that position. When the vehicle is shifted to REVERSE, the mirror automatically holds in the NORMAL position. This assures the driver of a bright clear view in the mirror when backing up. With the Automatic Day/Night Mirror Switch in the OFF position, the mirror will remain in the NORMAL or NON-GLARE position.