

|                              |                                    |                                     |                                       |                                 |
|------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------|
| <a href="#">Master Index</a> | <a href="#">Power Distribution</a> | <a href="#">Ground Distribution</a> | <a href="#">Harness Routing Views</a> | <a href="#">Connector Views</a> |
|------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------|

# POWER SUNROOF

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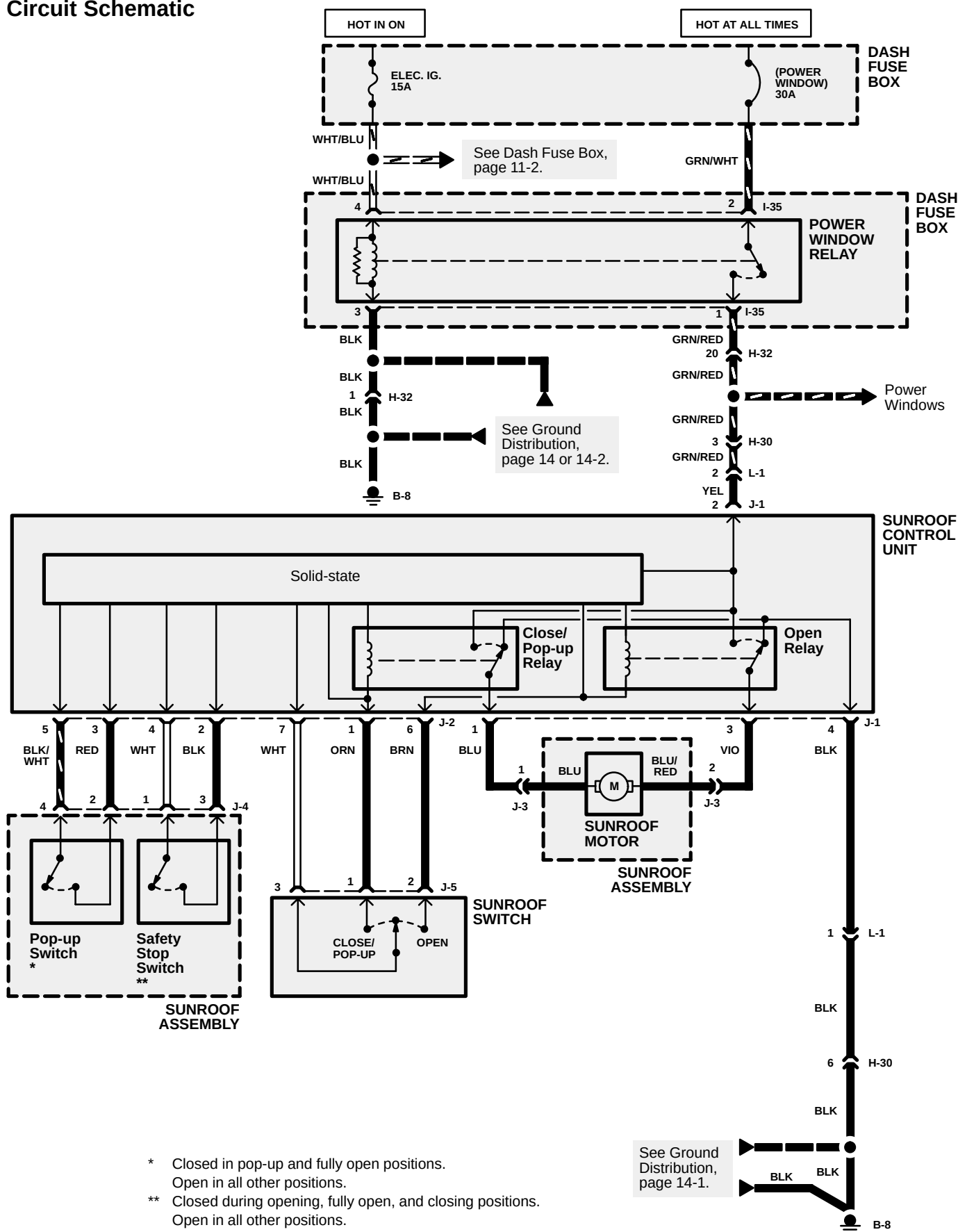
## Component Index

- [Dash Fuse Box](#)
- [Power Window Relay](#)
- [Sunroof Control Unit](#)
- [Sunroof Motor](#)

|                              |                                    |                                     |                                       |                                 |
|------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------|
| <a href="#">Master Index</a> | <a href="#">Power Distribution</a> | <a href="#">Ground Distribution</a> | <a href="#">Harness Routing Views</a> | <a href="#">Connector Views</a> |
|------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------|

# POWER SUNROOF

## Circuit Schematic



\* Closed in pop-up and fully open positions.  
Open in all other positions.

\*\* Closed during opening, fully open, and closing positions.  
Open in all other positions.

# POWER SUNROOF

## Component Location Index

(Refer to Section 201 for photographs.)

| <u>Component</u>     |                                           | <u>Photo No.</u> |
|----------------------|-------------------------------------------|------------------|
| Dash Fuse Box        | Left side of I/P, behind panel            | 58               |
| Power Window Relay   | Left side of I/P, in dash fuse box        | 59               |
| Sunroof Control Unit | Center front of roof, behind headliner    | 83               |
| Sunroof Motor        | Center front of roof, behind headliner    | 83               |
| <u>Connector</u>     |                                           |                  |
| H-30 (6-WHT)         | Behind left side of I/P, above kick panel | 69               |
| H-32 (20-WHT)        | Behind left kick panel                    | 62               |
| J-3 (2-WHT)          | Center front of roof, behind headliner    | 84               |
| L-1 (2-WHT)          | Center front of roof, behind headliner    | 84               |
| <u>Ground</u>        |                                           |                  |
| B-8                  | Below center console                      | 81               |

## Circuit Operation

When the starter switch is in ON, the power window relay is energized and battery voltage is applied to the sunroof control unit. When the sunroof switch is pressed once in the OPEN position, the open relay energizes, supplying battery voltage to the sunroof motor and the sunroof opens to the fully open position. When the sunroof switch is held in the CLOSE position, the close/pop-up relay energizes, supplying battery voltage to the sunroof motor and the sunroof closes to the safety stop position. At the moment the sunroof reaches the half-way position, the safety stop switch opens and breaks the circuit to the sunroof control unit and stops the sunroof in the half-way position. After the sunroof switch is released and held in the CLOSE position, the safety stop switch closes (completing the circuit), and the sunroof motor closes the sunroof until it reaches its mechanical limit. Pressing the CLOSE position of the sunroof switch again energizes the close/pop-up relay again, supplying battery voltage again to the sunroof motor. The roof is then popped up in the rear.