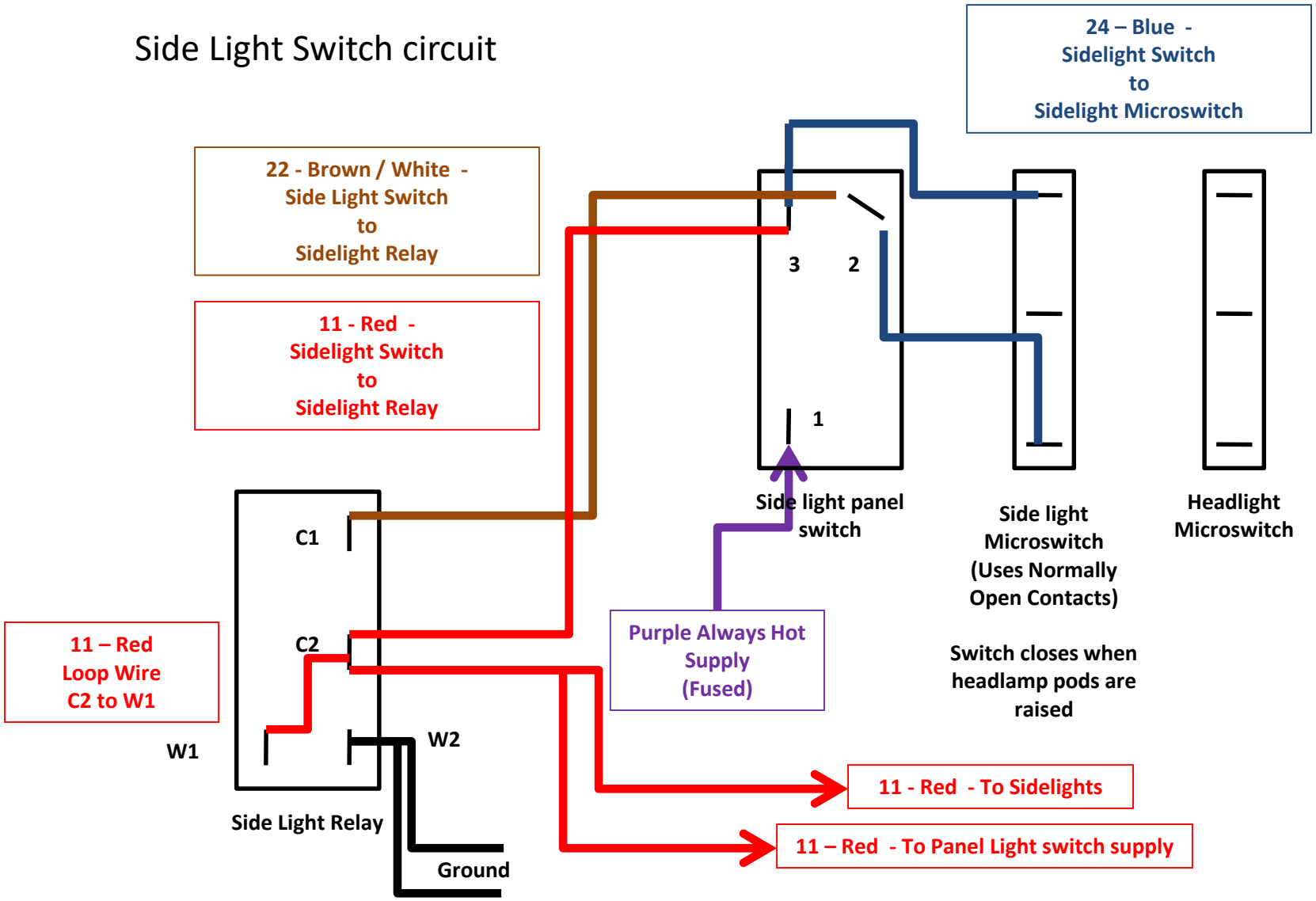
Side Light Switch circuit



Side Light Switch circuit

How does the switch and relay keep the sidelights on if the switch terminals are only hot momentarily? The following is based on failsafe headlights with micro-switches located on the vacuum switch body in dash.

The terminal 2 blue wire goes through the sidelight microswitch on the headlight vacuum switch to terminal 3. Terminal 3 connects to the red wires that power the panel switch and the exterior side lights through the sidelight relay. The relay is a single pole single throw normally open affair.

The side light switch is powered by purple, hot at all times (fused). Here is the switch action:

- Terminal 1 on side light switch is hot at all times (fused).
- While the dash switch is in the centre NEUTRAL position, terminal 2 is hot, terminal 3 is off.
- While momentarily pressing the dash switch to the ON position, terminal 1 remains on, terminal 3 is on.
- While momentarily pressing the dash switch to the OFF position terminal 2 is off, terminal 3 remains off.

Side light relay is in place to:

- make sure the side lights come on if you pull the headlight vacuum switch to the ON position.
- Keep the sidelights on when the sidelight switch is released to the centre neutral position.
- Ensure the sidelights stay on when the headlight pods are retracted, turning off the headlights.
- Allow the sidelights to be put on by pulling the headlight vacuum switch with the ignition off.

Page 89 in E – Electrical of the workshop manual explains the function of the switches.