

Entry Light Timer System (cont'd)

– How the Circuit Works

Battery voltage is applied to the entry light control circuit at all times through fuse 56 and, with the ignition switch in ON (II) or START (III), through fuse 13. The entry light control circuit is grounded at G303. On LS models, with the headlight switch in PARK or HEAD, voltage is also applied to the circuit through fuse 49.

The entry light control circuit has inputs from both door switches and the driver's door outside handle switch. On LS models, the circuit has inputs from the ignition key switch and the courtesy light controller.

The entry light timer system is designed to facilitate entry and exit. The system controls the operation of the front and rear ceiling lights, ignition key cylinder light, driver's door key cylinder light, door courtesy lights and footwell lights. See the individual lights listed below for a description of their operation.

Ignition Key Cylinder Light, and Driver's Door Key Cylinder Light

Battery voltage through fuse 57 is applied at all times to both lights in this circuit. When the driver's door outside handle is pulled or the door is opened, a separate ground path is provided to both lights by the entry light control circuit. Both lights will come on and stay on for several seconds after the last door is closed.

Footwell, Door Courtesy and Interior Lights

L Models

Battery voltage through fuse 57 is applied to all the lights in this circuit and to the coil of the ceiling light relay. With either door open, the entry light control circuit will ground the coil of the ceiling light relay. The door courtesy lights and the ceiling lights will then have a ground path through the closed contacts of the energized relay to G302, and the lights will come on. The driver's footwell light is provided a separate ground to the entry light control circuit through the WHT/BLK wire. The footwell light will stay on for several seconds after the last door is closed. The door courtesy and ceiling lights will go off immediately.

LS Models

Battery voltage through fuse 57 is applied at all times to all the lights in this circuit. With either door open, the entry light timer unit will provide separate ground paths through the BLK/WHT wires for the ceiling lights, and the lights will come on. The lights will go off immediately after the last door is closed.

The footwell and door courtesy lights serve two functions on LS models. With either door open, or the key removed from the ignition switch, the entry light control circuit will provide ground for the lights through the WHT/BLK wire. The lights will come on and stay on for several seconds after the last door is closed. With the headlight switch in PARK or HEAD, the entry light control circuit will again provide ground to the lights through the WHT/BLK wire. The brightness of the lights can be adjusted by using the courtesy light controller. The lights will go to full brightness when either door is opened, regardless of the setting on the courtesy light controller.

On LS models, if either of the doors are left open accidentally, the entry light control circuit will shut off all the lights in this circuit after 30 minutes.