

Interior Lighting

The interior lighting system consists of 2 subsystems:

- Courtesy lamps
- Demand lamps

The courtesy lamps are controlled by the smart junction box (SJB). The courtesy lamp subsystem consists of the interior dome lamps. The SJB controls the courtesy lamps by providing power to the lamps. The SJB also provides the ground circuit for the courtesy lamps. The courtesy lighting feature will request the courtesy lamps to be illuminated when any of the vehicle doors are opened or become ajar and the vehicle speed is less than 15 km/h (9 mph). The courtesy lamps will turn off, when the doors are closed or the vehicle speed reaches 15 km/h (9 mph). The courtesy lamps can also be turned on by rotating the instrument panel dimmer switch to the highest point. The theatre dimming option raises the courtesy lamps over 0.7 seconds when courtesy lamp activation is requested, and lowers the courtesy lamps over 1.7 seconds when courtesy lighting deactivation is requested.

The demand lamp subsystem consists of the map lamps and the luggage compartment lamp. Map lamps are switched individually and share a common ground circuit. The luggage compartment lamp is illuminated when the trunk is opened.

The bussed electrical center (BEC) supplies power to the interior lighting system through the SJB. The SJB will set DTCs if certain circuit failures exist with the interior lighting system.