

## Warning Chimes

**NOTE:** The Smart Junction Box (SJB) is also known as the Generic Electronic Module (GEM) .

The warning device system consists of the following:

- Instrument Cluster (IC)
- Safety belt warning indicator switch (part of the safety belt buckle)
- Door ajar switch
- Key-in-ignition warning switch (part of the ignition switch)
- SJB

The warning chimes are designed to provide the driver with an audible warning that acts as a supplemental alert. The only deviation from this strategy is the air bag chime which is used to alert the driver that the primary alerting system does not operate. The IC controls all warning chimes based on hardwired inputs and network messages received from external modules.

The warning chime sounds to remind the driver:

- To turn the headlamps off when exiting the vehicle.
- To remove the ignition key when exiting the vehicle.
- To close the doors/decklid after starting the vehicle.
- To fasten the safety belt after starting the vehicle.
- To disengage the parking brake while driving the vehicle.
- To turn off the turn signal while driving the vehicle.

The IC uses various inputs to determine when to sound the warning chime. The warning chime sounds:

- If the headlamps are left on with the ignition switch in the OFF position and the driver door ajar.
- If the key is in the ignition in the OFF position, with the ignition key removed, and the driver door ajar.
- If a door/decklid is ajar while the ignition switch is in the RUN position.
- The safety belts are not fastened and the ignition switch is in the RUN position.
- The parking brake is engaged while the vehicle is in motion.
- The turn signal is left on for more than 0.8 km (0.5 mile).
- The air bag warning indicator is inoperative when there are DTCs present.