

DESCRIPTION AND OPERATION

Anti-Theft

The perimeter alarm system consists of:

- anti-theft alarm horn
- traffic horn
- front door ajar switches
- door lock control switch
- anti-theft hood switch
- luggage compartment lid ajar switch
- convertible top ajar switch (if equipped)
- luggage compartment lid anti-theft inhibit switch
- door disarm switch (SET/RESET)
- remote keyless entry (RKE) transmitter
- ignition switch
- intrusion and inclination sensor
- smart junction box (SJB)
- powertrain control module (PCM)
- controller area network (CAN)

The anti-theft perimeter protection feature is controlled by the SJB.

NOTE: The convertible top, the luggage compartment lid, and all doors must be closed for the interior motion sensing feature to activate.

NOTE: All the windows must be closed for correct motion sensing operation.

NOTE: The inclination sensing feature must be disarmed before raising the vehicle on a hoist to prevent false alarms.

Perimeter Alarm System

The perimeter alarm system is designed to warn the driver in the event of an unauthorized entry to the vehicle and is also designed to help prevent the unwanted towing of the vehicle. When the vehicle is locked and armed, the perimeter alarm system monitors the following:

- doors
- hood
- luggage compartment lid
- movement inside the vehicle
- change in vehicle inclination/tilt

If unauthorized activation of the above inputs occurs the system flashes the turn signals and sounds the anti-theft alarm and the traffic horns.

NOTE: The perimeter alarm system includes a motion detection system that monitors the vehicle interior and a vehicle inclination sensor that detects changes in vehicle inclination.

The interior motion detection and vehicle inclination sensing system operate only when the vehicle is locked using the RKE transmitter or when using the door lock control switch with the accompanying door open and all the doors are then closed. For vehicles with a convertible top, the top must be in the fully closed and latched position for the interior motion sensing system to arm. If the vehicle is locked using the key in the driver door lock cylinder, the system monitors the doors, luggage compartment lid, and hood but the interior motion and the vehicle inclination sensing does not arm. Do not arm the interior motion detection system if movement within the vehicle is likely to occur. Do not arm the vehicle inclination sensing system when the vehicle is in transport. For correct operation of the interior motion detection system, make sure all the windows are closed prior to arming the system. This helps prevent accidental alarm activation due to external influences and makes sure that correct interior motion detection occurs. The interior motion sensing system does not arm if either door is ajar.

Arming the System

When armed, the perimeter alarm system is designed to notify the driver of an unauthorized entry. When unauthorized entry or towing occurs, the system flashes the turn signal lamps and interior lamps and sounds the anti-theft alarm and the traffic horns. The system is ready to arm whenever the key is out of the ignition. Any of the following actions arm the alarm system:

- Pressing the RKE transmitter lock control 1 time to arm the system.
- Locking all the doors using the door lock control switch while the driver or passenger door is open and then closed.
- Locking the driver door with the key in the driver door lock cylinder (this does not arm the interior motion or vehicle inclination sensing systems).

DESCRIPTION AND OPERATION (Continued)

If all the closures (doors, luggage compartment lid, and hood) are closed, the turn signal lamps flash once. If the vehicle is locked again within 3 seconds, the vehicle locks again, the turn signal lamps flash and the horn chirps. If any closure is not properly closed, the turn signal lamps do not flash and the horn chirps twice. The system waits 20 seconds after locking before triggering an alarm. After the 20 second pre-arm phase, the door lock control switch is disabled (if door lock inhibit function is configured on) to further protect the vehicle.

NOTE: Deactivating a sounding alarm by pressing the PANIC button on the RKE transmitter returns the system to an armed state.

NOTE: Unlocking the luggage compartment inhibits the interior motion and inclination sensing systems, but the perimeter alarm system continues to monitor the doors and hood. Once the luggage compartment lid is closed the interior motion sensing systems are again monitored.

Disarming the System

The perimeter alarm system can be disarmed by any of the following actions:

- unlocking the doors using the RKE transmitter.
 - unlocking the driver door with the key in the driver door lock cylinder.
 - turning the ignition switch to the ON position with a programmed coded ignition key.
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