

The IPC provides a PRNDL not in park warning chime that sounds along with the transmission not in park message center display to inform the driver the vehicle is not in PARK (P). The IPC displays the shift to park message and the PRNDL not in park warning chime sounds three 0.5-second chime tones through the front speakers if the selector lever is not in PARK (P), the ignition is OFF and the driver door is open or ajar. The IPC requires the transmission gear display mode, brake pedal applied, vehicle speed, driver door ajar and ignition status to control the PRNDL not in park warning chime.

The IPC receives all required messages from the GWM over the HS-CAN3.

The GWM receives the brake pedal applied, transmission gear display mode and vehicle speed messages from the PCM over the HS-CAN1.

The GWM receives the driver door ajar status and ignition status message from the BCM over the HS-CAN1.

When a chime request is received, the IPC sends the IPC chime request message to the ACM and the audio DSP module to sound the chime.

DESCRIPTION AND OPERATION > WARNING CHIMES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > SAFETY BELT WARNING CHIME

The safety belt warning chime warns the safety belt is not fastened. The safety belt warning chime sounds a repetitive 1-second chime tone for 6 seconds through the front speakers when the driver safety belt is not fastened and the ignition is transitioned from OFF or ACC to ON or START. The safety belt warning chime stops sounding when the safety belt is fastened, when the ignition is transitioned from ON or START to OFF or ACC, or when the chime has sounded for 6 seconds.

The IPC receives the driver safety belt buckle status message from the GWM over the HS-CAN3.

The GWM receives the driver safety belt buckle status from the RCM over the HS-CAN2.

When the conditions require the safety belt warning chime, the IPC sends the IPC chime request message to the ACM and DSP module over the HS-CAN3 to sound the chime.

DESCRIPTION AND OPERATION > WARNING CHIMES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > SERVICE ADVANCETRAC® WARNING CHIME

The service AdvanceTrac® warning chime warns the ABS module has detected a fault condition in the stability-traction control system. If a fault condition exists in the stability-traction control system, the ABS module sends the IPC the stability-traction control chime request to display the service AdvanceTrac® message in the message center and to sound 3 0.5-second chime tones through the front speakers.

The IPC receives the stability-traction control chime request from the GWM over the HS-CAN3.

The GWM receives the stability-traction control chime request from the ABS module over the HS-CAN2.

When a chime request is received, the IPC sends the IPC chime request message to the ACM and the audio DSP module over the HS-CAN3 to sound the chime.