

audio DSP to sound the chime.

DESCRIPTION AND OPERATION > WARNING CHIMES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > IGNITION-ENGINE ON WARNING CHIME

The ignition-engine on chime informs the driver they are exiting the vehicle when the ignition has been left on (engine off) or the engine is running. When the driver exits the vehicle with the ignition on or with the engine running, the ignition-engine on warning chime sounds five 1-second chime tones through the front speakers. The IPC uses driver door ajar status, power pack status and transmission gear display mode messaged inputs to control the ignition-engine on warning chime.

The IPC receives the driver door ajar status, power pack status and transmission gear display messages from the GWM over the HS-CAN3.

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

The GWM receives the power pack status and transmission gear display mode messages from the PCM 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 to sound the chime.

DESCRIPTION AND OPERATION > WARNING CHIMES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > KEY-IN-IGNITION WARNING CHIME (WITHOUT PASSIVE KEY)

The key-in-ignition warning chime warns the key is still in the ignition lock cylinder or the ignition is in ACC when the driver door is ajar. The key-in-ignition warning chime sounds repetitive 0.5-second chime tones through the front speakers until either the key is removed from the lock cylinder, the ignition is in RUN or the driver door is closed.

The IPC receives the key-in-ignition status from the GWM over the HS-CAN3.

The GWM receives the key-in-ignition status 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 to sound the chime.

DESCRIPTION AND OPERATION > WARNING CHIMES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > LANE KEEPING ALERT WARNING SYSTEM CHIME

The lane keeping alert warning chime alerts the driver they have removed their hands from the steering wheel. The lane keeping alert warning system chime sounds three 0.25-second chime tones through the front speakers.

The IPC receives the lane departure warning chime request from the GWM over the HS-CAN3.

The GWM receives the lane keeping aid warning chime request from the IPMA over the HS-CAN2.