Active Park Assist Sensors

The active park assist sensors are narrow beam ultrasonic sensors. The sensors continuously send out ultrasonic signals to detect an available parking space and communicate the information back to the PAM. The sensors are active when the vehicle is moving regardless of whether the operator has pressed the active park assist switch. Only objects that reflect a sufficient amount of sound waves are detected by the active park assist sensors. The surface properties, size and composition of an object can affect the ability of the sensors to detect the object. Incorrect sensor alignment, dirt covered sensors, heavy rain and snow can cause objects not to be detected.

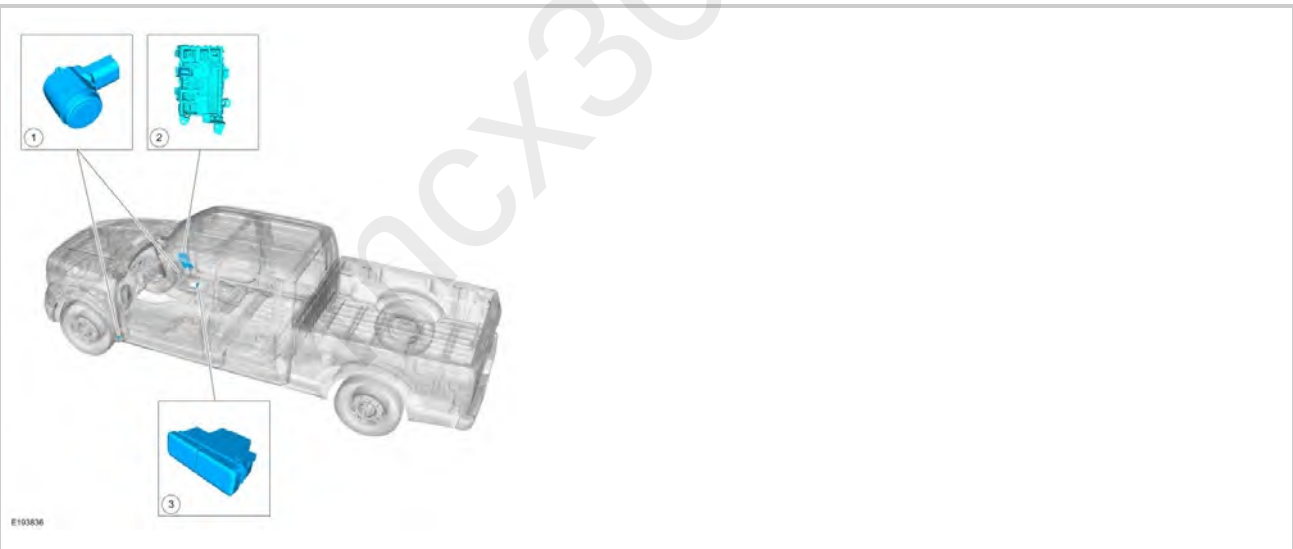
PAM

The PAM is the controlling module for the active park assist system, processing the active park assist and parking aid sensor data, providing the steering angle commands to the PSCM and generating driver input requests through the centerstack infotainment display and audio system. The PAM sets and stores Diagnostic Trouble Codes (DTCs) for the active park assist system. The PAM is integral to the BCM but communicates as a separate module on the HS-CAN1.

Active Park Assist Switch

The active park assist switch is a momentary contact switch that enables and disables the active park assist system. The switch is located on the center console.

DESCRIPTION AND OPERATION > PARKING AID - COMPONENT LOCATION > COMPONENT LOCATION - ACTIVE PARK ASSIST



Item	Description
1	Active park assist sensors
2	PAM (integral to the BCM)
3	Active park assist switch