

Door Ajar Indicator Description and Operation

Door Ajar Indicator System Components

The door ajar indicator system consists of the following components:

- Body control module (BCM)
- Instrument cluster
- Driver information center
- Driver door latch
- Passenger door latch
- Left rear door latch
- Right rear door latch
- Liftgate door latch
- Driver window motor (RPO AXG) or driver window switch (RPO AEC)
- Passenger window switch
- Left rear window switch
- Right rear window switch

Driver Door Ajar

The driver window motor (RPO AXG) or driver window switch (RPO AEC) receives a discrete input from the driver door ajar switch within the driver door latch to indicate the status of the door. The window motor or window switch then communicates this status via Local Interconnect Network (LIN) bus to the BCM. The BCM communicates this information to the instrument cluster via low speed bus. The instrument panel cluster, upon receipt of this GMLAN message, will illuminate the appropriate door ajar message in the driver information center and also send a GMLAN message to the radio to activate the door ajar audible warning when the vehicle speed is greater than 8 km/h (5 MPH).

Passenger Door Ajar

The passenger window switch receives a discrete input from the passenger door ajar switch within the passenger door latch to indicate the status of the door. The window switch then communicates this status via LIN bus to the BCM. The BCM communicates this information to the instrument cluster via low speed bus. The instrument panel cluster, upon receipt of this GMLAN message, will illuminate the appropriate door ajar message in the driver information center and also send a GMLAN message to the radio to activate the door ajar audible warning when the vehicle speed is greater than 8 km/h (5 MPH).

Left Rear Door Ajar And Right Rear Door Ajar

The body control module (BCM) (without power rear windows) or the left and right rear window switches (with power rear windows AED) receive discrete inputs from both the rear door latches and the rear compartment lid latch to indicate the status of the doors and rear compartment lid. The BCM or window switches then communicate this status to the instrument cluster via GMLAN message. The instrument panel cluster, upon receipt of this GMLAN message, will illuminate the appropriate door ajar message in the driver information center and also send a GMLAN message to the radio to activate the door ajar audible warning when the vehicle speed is greater than 8 km/h (5 MPH).