



GROUP	MODEL
ELE	ALL
NUMBER	DATE
PS797	December 2025



## TECHNICAL OPERATIONS

SUBJECT:

## EXTERNAL DAMAGE TO ULTRASONIC SENSORS

This Pitstop provides information related to Parking Distance Warning (PDW) alerts and repairs involving ultrasonic sensors. The PDW system alerts the driver while parking, by calculating distances based on the difference in signal transmission and reception times between the vehicle (ultrasonic sensor) and an object. The membrane film of the ultrasonic sensor is used for object detection and can be damaged by stone chips or foreign substances while driving. Damage to the cover of the ultrasonic sensor can also lead to damage to the internal circuit. As a result of this external damage, the PDW system may not receive the proper signal from the ultrasonic sensor. In some cases, the system may cause a false alarm, no alert, or phantom warnings by a "Warning Lamp" to be displayed on the cluster.

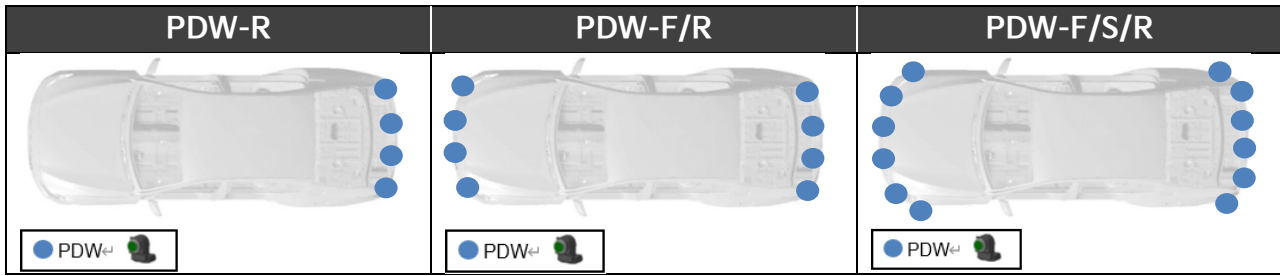
The ultrasonic sensor membrane film should be always inspected for external damage and if any part replacement should be treated as a general repair, not as a warranty claim repair for this concern.



### NOTICE

**A Pitstop provides information which may help guide technicians address a concern on the subject vehicle described in this publication. A Pitstop is an informational guide/tool without customer notification. Technicians are to review the information provided in this Pitstop for the applicable vehicle and if applicable, use it for diagnostic purposes only. Dealers are required to validate Warranty Coverage in KDealer+ Warranty Coverage Inquiry before conducting any diagnosis/repair procedure.**

**PDW Sensor Locations:**



**Types of Damage:**

