



MAS002927_Auto Entry/Exit Suspension and Volumetric Alarm System



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The purpose of this Technical Information is to inform the Dealer Network on the possible interference in the operations of the Volumetric Alarm System and the Auto Entry/Exit Suspension functionality on Levante models.

MODELS: M161 All Model Years, with OPT 213 ALARM SYSTEM

CUSTOMER'S COMPLAINT: With the Auto Entry/Exit Suspension option selected, as shown in the Figure above, when the Customer stops the Vehicle and switches the KIN to OFF (engine off), the Vehicle automatically lowers as expected. Nevertheless, if the Driver's door is opened before the end of the lowering cycle, the lowering stops and the Vehicle does not complete lowering to the expected position. This happens only if the Vehicle is equipped with OPT 213 ALARM SYSTEM. If the Vehicle is equipped with the Base Alarm System, the interruption of the Vehicle lowering upon Driver's door opening during the Auto Exit Suspension lowering does not occur.

Notes:

1. As described in the Owner's Manual, the Auto Entry/Exit Suspension system automatically lowers the vehicle to the minimum ground clearance when the driver places the transmission in P (Park) to help entry into and exit from the Vehicle and unloading of cargo from the rear compartment. This feature can be set to "On" or "Off".
2. The Alarm System OPT 213 is a Volumetric Alarm System. This system is managed by the ITM, (Intrusion Transceiver Module) which, when armed, also monitors the cabin with volumetric sensors and the vehicle with an integrated tilt sensor. The ITM is paired to a dedicated siren module in the left wheel arch.

Conversely, the Base Alarm system is managed by the BCM, and only monitors the latches of the doors, tailgate and hood. If one of these is opened while the Vehicle is locked, the alarm is tripped and the horn is used as a siren.

CONSIDERATIONS:

Due to the way the Volumetric Alarm System is conceived, if, during the Vehicle lowering following a KIN OFF, the Vehicle lowering continued, this would trigger the Alarm System.

This is the reason why the Auto Exit Suspension lowering is interrupted if the Driver's door is opened during the lowering of the Vehicle.

For the above reasons, the behavior described in the **CUSTOMER'S COMPLAINT** section above is not to be considered a defect.