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INSPECTION

The Forward Collision-Avoidance Assist (FCA) system switch is incorporated in the cluster under the User Setting Menu (USM), it allows the driver to Enable or Disable the FCA system. The FCA system (state) is ON by default and does not return to the previous driver settings with the next ignition cycle.

If the ESP function is turned OFF, the FCA function is turned OFF as well.

REMOVAL

FCA Radar

1. Remove the FCA radar.

D 2.2 R VGT (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D 2.2 R VGT (Enhanced Euro 6) (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D G 2.0 T-GDI THETA II (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D G 3.3 T-GDI LAMBDA II (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")

Lane Keeping Assist (LKA) Unit

FCA, contrary to SCC w/ S&G has to work on a stationary car so the system uses the Fusion Target system to combine radar and camera.

1. Turn ignition switch OFF and disconnect the negative (-) battery cable.
2. Remove the lane keeping assist (LKA) unit.
(Refer to Body Electrical System - "Lane keeping assist (LKA) Unit")

INSTALLATION

FCA Radar

1. Install the FCA radar.

D 2.2 R VGT (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D 2.2 R VGT (Enhanced Euro 6) (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D G 2.0 T-GDI THETA II (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D G 3.3 T-GDI LAMBDA II (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")

Lane keeping assist (LKA) Unit

1. Install in the reverse order of removal.

ADJUSTMENT

FCA Radar

1. Perform the smart cruise control system (SCC w/ S&G) unit radar alignment.

D 2.2 R VGT (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")
D 2.2 R VGT (Enhanced Euro 6) (Refer to Engine Electrical System - "Smart Cruise Control (Stop & Go) (SCC) Unit-Radar")

Lane keeping assist (LKA) Unit

1. Perform Service Point Target Auto Calibration (SPTAC).

(Refer to Body Electrical System - "Lane keeping assist (LKA)")

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