GH09MY Fob Holder Manual

Contents list

1. ABBREVIATIONS AND DEFINITIONS

Abbreviations	Description
FH	Fob-Holder
HF	High Frequency
IC	Integrated Circuit
IPM	Instrument Panel Module
LF	Low Frequency
PCB	Printed Circuit Board
PDM	Power Device Module
PIC	Personal Identification Card

2. GENERAL DESCRIPTION

The Fob Holder is a part of the locking system. It is the interface towards the user to start/stop the vehicle. It consists of the Fob-Holder (FH) incl. the transponder for the Limp Home Mode communication.
For starting the engine two operation modes are available:

1) PIC-Mode
   The Fob Key has not to be inserted into the Fob-Holder, the authentitication is done directly by request of the IPM to the Fob Key via LF-signal and response of the Fob Key to the IPM via RF-communication.
2) Limp Home Mode
   If the Fob battery is low the car can only be started by identifying the Fob transponder, therefore the Fob Key has to be inserted into the Fob-Holder.

The Fob Holder has the following basic functions:

Fob-Holder:
- Communication to the Fob Key transponder (only for Limp Home Mode)
- Hold the Fob and keep it in locked position
- Illumination of the Fob-Holder
- Rotational damper for better comfort behaviour when releasing the FOB

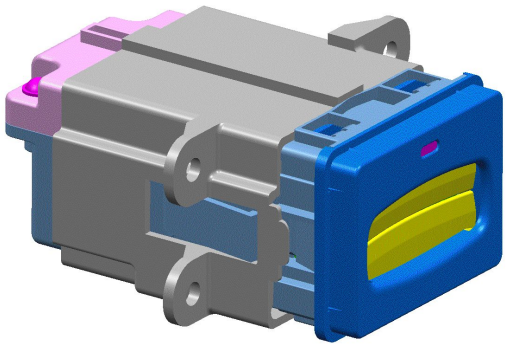

Figure 1 Fob-Holder

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2)This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.