brose R-HFA GEN1 Kick Sensor Installation Guide

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brose R-HFA GEN1 Kick Sensor

Product Information

The R-HFA GEN1 is a kick-sensor installed behind the bumper of a car. It is designed for hands-free access to the trunk, allowing users to open or close the trunk without any physical contact. The device features automatic tailgate operation, which is activated by a forward-directed foot motion in the central rear area. The radar sensor detects the foot movement, enabling the trunk lid to open or close automatically.

Device Characteristics

- Voltage: Min 9.0V, Mean 12.0V, Max 16.0V
- Temperature: Min and Max values not specified
- Communication Bus: Not specified
- Radar Min Frequency: Not specified
- Radar Max Frequency: Not specified

Device Photographs

- Image 1: Top side of R-HFA GEN1 with cover
- Image 2: Side A of the device
- Image 3: Side B of the device
- Image 4: Side C of the device
- Image 5: Side D of the device

Product Usage Instructions

To activate the automatic tailgate operation using the R-HFA GEN1 kick-sensor, follow these steps:

1. Stand in the middle behind the vehicle at approximately one arm’s length away from the rear of the vehicle.
2. Wave your foot under the vehicle in the direction of travel and immediately pull it back.

Ensure that you maintain a separation distance of 20 cm from the kick-sensor during the foot movement.
Refer to Figure 1 in the user manual for the location of the kick-sensor and foot performance.

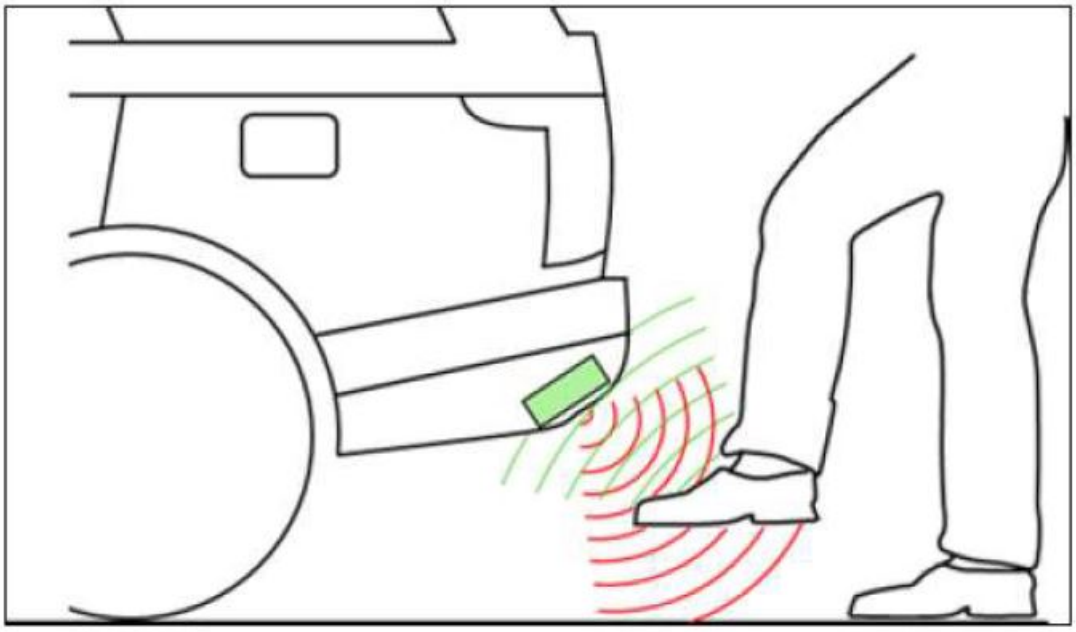

Figure 1 Performing the foot movement

Concept

R-HFA GEN1 is a kick-sensor installed behind the bumper of a car, used for hands-free access to the trunk. With automatic tailgate operation, trunk can be opened or closed with no-touch activation. Radar sensor detects a forward-directed foot motion in the central rear area and the trunk lid can be opened or closed automatically.

Installation and maintenance

The product is factory fitted in vehicles. It is not possible to buy this product separately. The status of the product can be read via diagnostic connections using special workshop tools. In addition, the Central Electronic Module in the vehicle monitors the communication (LIN bus) from the product and in case of missing or invalid communication, it is alerted, and will display a warning to the driver. Maintenance and replacement of the product can only be performed by certified workshops.

Performing the foot movement

1. Stand in the middle behind the vehicle at approx. one arm’s length away from the rear of the vehicle.
2. Wave a foot under the vehicle in the direction of travel and immediately pull it back. Figure 1 shows location of the kick-sensor and foot performance.

Separation distance from the device is 20 cm..

Device Characteristics

Voltage Min Mean Max	9,0V 12,0V 16,0V
Temperature Min Max	-40°C +105°C
Communication Bus	LIN (2.x)
Radar Min Frequency Max Frequency	77,0078 GHz 78,995 GHz

Device photographs

Top side of the device is given on Image 1.

Image 1 Top side of R-HFA GEN1 with cover

Image 2 Side A

Image 3 Side B

Image 4 Side C

Image 5 Side D

Regards,
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Documents / Resources

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