

Tips & Technology

For Bosch business partners

Current topics for successful workshops No. 02/2010

Electrics / Electronics



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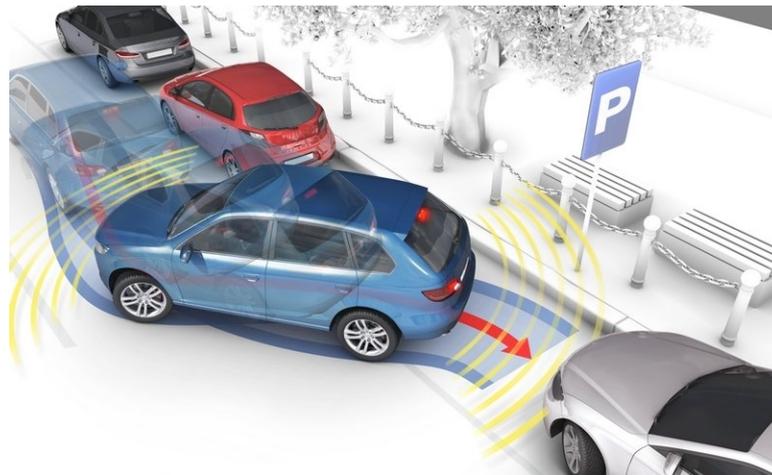
Invented for life

The Parkpilot URF7

Parking without any "side effects"

Aerodynamically designed vehicles with only a small rear window or none at all are often particularly awkward to maneuver when parking due to the fact that large areas in front of and behind the vehicle are difficult or even impossible to see. As a result, obstacles close to the ground such as bollards, borders round trees and flower tubs can easily be overlooked. Close encounters with such objects can have unpleasant consequences such as damaged bumpers, dents and unsightly scratches to the paintwork. The costs of repairing such "minor items" can be quite considerable, thus making them even more annoying. This is where parking aids with distance sensors can offer real benefits.

Nowadays, parking aids are a standard equipment feature in superior middle class and top class vehicles. Bosch can supply the ideal alternative for retrofitting in small, medium class and older vehicles. The URF6, an easy-to-install parking aid with reliable sensors, was launched back in 2006. Thanks to its space-saving design (30 % more compact than previous models), the URF6 could be fitted without any problem in virtually all vehicles.



Only constant improvement guarantees top quality

As a logical consequence of our efforts to achieve ever higher standards, we based our further development work on experience gathered in the field and the suggestions coming from professional workshops. All this gave rise to the Parkpilot URF7. Just like its predecessor, the URF7 helps to avoid the unpleasant "side effects" of parking. Depending on the number of sensors fitted at the front and rear, the URF7 can detect obstacles, pedestrians and cyclists at distances of between 30 cm and 150 cm in front of or behind the vehicle. The display unit of the new parking aid provides a visual and acoustic signal to warn of obstacles and their distance from the vehicle.

New features of the URF7:

- Small contour rings (30 % smaller)
- UR7 Stand Alone front-end system
- Can be retrofitted in addition to a standard rear-end parking aid
- Can be retrofitted without an existing rear-end system
- Volume regulation
- Easy-to-follow installation instructions in brief
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A 10-language CD containing the following is also available for professional workshop use:

- Detailed fitting instructions
- Diagnosis instructions
- Trouble-shooting instructions
- Volume regulation
- Operating instructions



Benefits offered by the system:

- Detection of even narrow objects close to the ground
- Full detection at front and rear
- Wide range of fitting rings (16 x / 4 each with different angles) to permit optimum sensor positioning in any vehicle
- Rear-end detection range 150 cm
- Front-end detection range 100 cm
- Suitable for vehicles with trailer coupling
- Sensors and contour rings can be painted in same color as vehicle
- Front-end system can be added to rear-end system

- Independent Stand Alone front-end system
- OE quality
- Automatic calculation of sensor distances in the bumper for optimum obstacle detection (autocalibration)

Customer benefits:

- Convenience and assistance when parking and maneuvering
- Less risk of damage when parking - no scratches and dents
- Quicker, safer parking
- Efficient utilization of available parking space
- Avoids time-consuming, unsuccessful parking attempts

Mode of operation

In operating mode, the URF7 transmits ultrasonic waves. These signals are reflected by any obstacles in the way. The echoes received are recorded by the sensors and the corresponding pulses relayed to the control unit, where the pulses are processed and the obstacle distance determined. This information is passed on to the displays and output in acoustic and visual form.



Further information on the scope of delivery and item numbers can be obtained from your wholesaler.

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