



Seat-belt reminder audible alarm

Known as an SBR, standing for Seat-belt Reminder, this device **warns the driver if he has not fastened his safety belt** or has fastened it incorrectly.



RENAULT COMMUNICATION

BASIC FACTS

The seat belt is an essential safety element in the event of impact, even at low speed. Some people wrongly believe that wearing it on in-town trips serves no purpose, because speeds are low. However, at 50 kph, in an impact against a wall, restraining a 75 kg adult is equivalent to developing force that exceeds 2 tonnes (source: La Sécurité Routière). It is impossible for the human body to either compensate for such forces or “to hold on to the steering-wheel”. Seat belts prevent the wearer being projected against the rigid elements of the cabin: windscreen, doors, front seats, etc. A seat belt can resist effort exceeding 3 tonnes. Even when driving in town, wearing a seat belt is essential and the seat belt reminder alarm emphasises this.

IN SHORT

The alarm sounds for the first time in the event of non-fastening or incorrect fastening of the seat belt as soon as the vehicle speed exceeds 20 kph.



› HOW DOES IT WORK?

1 DETECTION OF UNFASTENED SEAT BELTS

Through a sensor placed in the loop of the belt buckle ratchet, the device detects the absence of belt locking. In addition, it deduces the speed of the car based on information from the wheel tachometers. As soon as this exceeds 20 kph, the computer illuminates a warning light on the dashboard and at the same time sounds a first audible alarm lasting 30 seconds.

If after this lapse of time no modification of belt locking has been detected, the device produces a second, more strident, level of alarm lasting 90 seconds. These two levels of alarm mean that the driver is progressively informed of a possible defect in the seat belt locking mechanism.

2 A DOUBLE ROLE

The audible seat-belt reminder alarm makes it possible to inform the driver of defective belt locking that could compromise its effectiveness. In addition, it is an incentive to fasten seat belts, even during short, in-town journeys.

› MORE INFORMATION

<http://www.securiteroutiere.gouv.fr/ressources/conseils/la-ceinture-de-securite.html>