

Operating Manual

Rescue devices

Air Bag Safe system

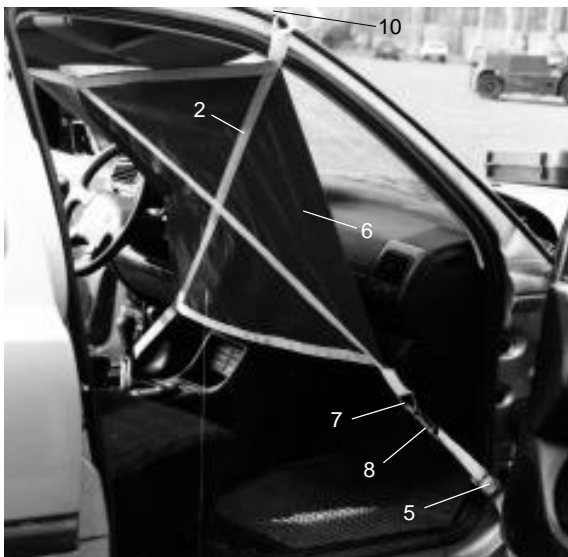
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replaces 11.2017



*Air Bag Safe
driver side*

*Air Bag Safe II
passenger side*



- 1 Central belt plate
- 2 Tether
- 3 Tension belt
- 4 Tension loop
- 5 Belt clamp
- 6 Trevira canvas
- 7 D clamp
- 8 Flat K hook
- 10 Lashing strap with label 1

1 General safety information

1.1 The device has been built in accordance with state-of-the-art standards and the recognised safety rules. Nevertheless, its use may constitute a risk to life and limb of the user or of third parties, or result in damage to the device and to other material property.

1.2 Only use the device in a technically perfect state and according to the intended purpose, in a safety and risk-conscious manner, in accordance with the Operating Instructions. In particular, eliminate (or have eliminated) any faults which can impair safety.

1.3 The device is intended exclusively for the purpose indicated in the Operating Instructions. Any further or different use shall not be considered proper. The manufacturer/supplier is not liable for any damage resulting from inappropriate use. The user bears sole responsibility for such use.

Operation of the device in accordance with its designated use also includes compliance with the instructions set out in the Operating Instructions and compliance with the inspection and maintenance requirements.

1.4 Ensure sufficient lighting during work!

2 Organisational measures

2.1 The Operating Instructions must always be at hand at the place of use of the device!

2.2 In addition to the Operating Instructions, observe and use the generally valid legal and other binding regulations for accident prevention and environmental protection! In particular, this includes the wearing of work or protective clothing, a protective helmet with visor or protective goggles and protective gloves.

2.3 Only persons who have received appropriate safety training are permitted to use the device, as otherwise there is a risk of injury.

2.4 Observe all the safety instructions and hazard warnings on the device! Make sure that safety instructions and hazard warnings displayed on the device are always complete and perfectly legible.

2.5 Do not make any changes, additions or conversions to the device without the approval of the manufacturer.

2.6 Comply with the prescribed periods for recurring tests/inspections, along with those stated in the Operating Instructions.

2.7 Ensure the correct disposal of all the packaging materials and dismantled parts.

3 Appropriate use

3.1 Driver Air Bag Safe

The Driver Air Bag Safe is designed as a protective device against unchecked triggering of the driver airbag after traffic accidents.

3.2 Passenger Air Bag Safe II

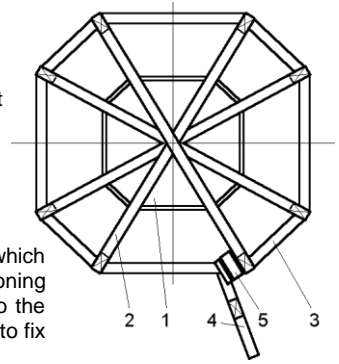
The Passenger Air Bag Safe II is designed as a protective device against unchecked triggering of the passenger airbag during emergency operations after traffic accidents.

4 Description of Air Bag Safe, driver side

4.1 The Air Bag Safe system consists of three separate belt meshes for use on steering wheels of different diameters:

- For steering wheel diameters of 350 - 390 mm,
- For steering wheel diameters of 400 - 450 mm,
- For steering wheel diameters of 430 - 500 mm.

4.2 Each belt mesh consists of a central belt plate (1), to which eight belts (2) are sewn in a star arrangement. The tensioning belt (3) with tension loop (4) is used to fasten the belt mesh to the steering wheel. A belt clamp (5) with automatic locking is used to fix the tensioning belt before lashing.



5 Structure of the system

5.1 Preparatory measures

5.1.1 A deformed steering wheel rim is no longer able to accept the forces safely when the airbag triggers and should thus always be checked for damage before using the Air Bag Safe. If there is visible steering wheel damage, we advise against using the Air Bag Safe!

5.1.2 Ensure that the Air Bag Safe being used has a diameter suitable for the steering wheel size (see Point 4.1).

5.2 Place the belt mesh over the steering wheel rim and pull the tension loop of the tension belt behind the steering wheel through the belt clamp. Centre the belt system on the steering wheel and fix it through as ***firm tightening*** of the tension belt as possible. Ensure as central a position as possible compared to the steering wheel / airbag!

5.3 Even if the car battery is disconnected, leave the belt mesh for at least one hour in the lashed position (possible risk of late triggering!).

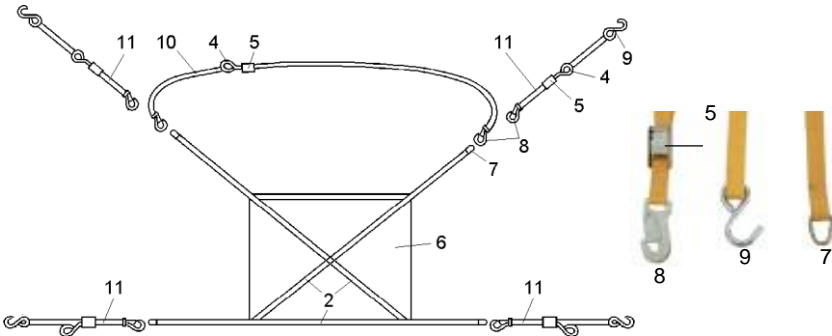
5.4 **Safety instruction:**

A belt mesh which has taken up a triggered airbag must always be replaced, as an invisible stretching of the material may occur.

6 Structure of the system

After the safety time has elapsed, release the tension belt behind the steering wheel (open the belt clamp) and carefully remove the belt mesh from the steering wheel.

7 Description of Air Bag Safe, passenger side



The passenger air bag retention system is made up of a high-resistance Trevira canvas (6) with sewn-on horizontal and diagonal belts (2), onto each of which a D clamp (7) is sewn. Additional accessory:

A lashing belt (10) with the code 1, with flat K hooks (8) at the ends.

Four identical belts (11), a flat K hook (8) and an S hook (9) at the ends of each. To tighten each belt (10 and 11), the belt clamp (5) has a tension loop (4).

8 Structure of the system

8.1 Fastening around the A post and windscreen (see cover sheet)

Hang the lashing belt (10) with code 1 at the top left or right in the D clamp (7) using the flat K hook (8), place it over the A post and windscreen and insert it on the other side. Tension it slightly using the belt through the belt clamp (5).

Attach 2 belts (11) in the lower D clamp (7) using the flat K hook (8), run it to the front wheel rims and attach the S hook (9) in the individual front wheel rims (see Fig. 2). Align the canvas (6) and tension all the belts (10 and 11) using the belt clamps (5).

8.2 After disconnection of the A post and roof

Attach 4 belts (11) with the K hook (8) to the upper and lower D clamps (7) (see Fig. 1), run them to the front wheel rims and insert each S hook (9) into the rim (see Fig. 2). Align the canvas (6) and tension all the belts (11) using the belt clamps (5).

8.3 Safety instruction:

8.3.1 With a cabriolet, proceed as described under 8.2.

8.3.2 Even if the car battery is disconnected, leave the lock for at least one hour in the lashed position (possible risk of late triggering!).

8.3.3 A passenger air bag retention system which has taken up a triggered air bag must always be replaced, as an invisible stretching of the material may occur.



9 Structure of the system

After the safety time has elapsed, release the belt clamps, disengage the S hooks and flat K hooks and carefully remove the canvas from the vehicle interior.

10 Maintenance and service

- 10.1** The devices can be used time and again, apart from in the case described under 5.4 and 8.3.3. The maximum period of use is 10 years. After the maximum period of use has elapsed, the system must be replaced.
- 10.2** The device must be protected against: Heat and open flames, chemicals, oils, fuel, etc.
- 10.3** Only remove soiling with mild household cleaning agents in the doses prescribed by the manufacturer. Then, clean the device well.
- 10.4** The device must be stored in the intended case in a dry location, away from sources of heat (max. storage temperature 80°C) and must be protected against direct sunlight or other ultraviolet radiation.
- 10.5** Testing: Test at least once annually for flawlessness/completeness.

11 Repair

The user may not carry out any repairs on the belt mesh. Please contact your authorised dealer or Customer Service. The address of the Customer Service department is:

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