

Saab Rescue Guidelines



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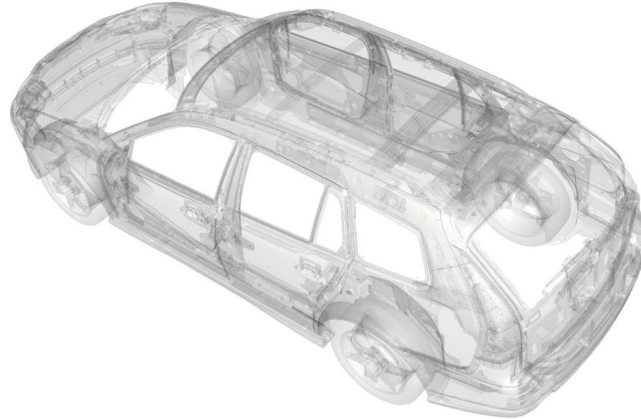
Rescue guidelines for EU Saab vehicles of series:
Saab 900, Saab 9000, Saab 9-3, Saab 9-5, Saab Cabriolet 900 & 9-3



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Introduction



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- This documentation gives you vehicle-specific information on rescuing people from Saab vehicles which have been in an accident.
- The reference vehicle is the Saab 9-3 platform.
- The airbag rules, and de-activation of airbags, belt tensioners and active roll-over bars, are explained.
- The recommended separating cuts are shown.
- The safety and risk components are coloured and depicted with installation site.

Introduction



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Rescuing persons from vehicles in an accident:

- | | |
|--|-------------------|
| 1. Airbag rule | Page 5... |
| 2. De-activating airbags, belt tensioners and active roll-over bars | Page 6... |
| 3. Recommended points for separating cuts | Page 7... |
| 4. Safety and risk components | Page 8... |
| 5. Roll-over bars on the Saab 9-3 cabriolet | Page 17... |





AIRBAG Rule

A bstand halten (Keep your distance (30-60-90 rule))

- 30 cm from curtain/side airbag

- 60cm from driver's airbag

- 90cm from passenger airbag

I nnenraum erkunden (Check interior)

R ettungskräfte warnen (Warn rescue services)

B atterie abklemmen (Disconnect battery)

A bnehmen der Innenverkleidung
(Removing the inner panelling (airbag scanning))

G efahr an den Airbag-Komponenten
(Risk on airbag components)





De-activation of:

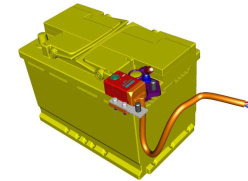
Airbags, belt tensioners and active roll-over bars

On all Saab cars, the battery is in the engine bay!

1. **Disconnect battery** → **1. Negative terminal
2. Positive terminal**

Secure cable ends!

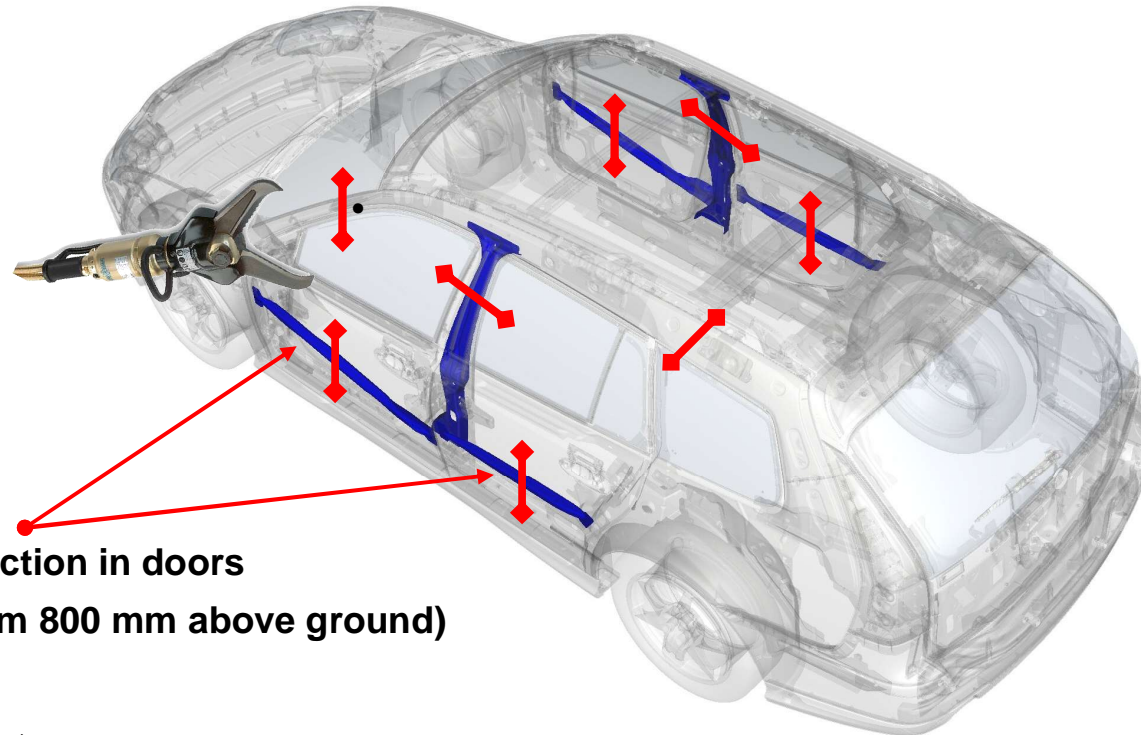
2. **Wait ≥ 1 minute...** →
- **airbags / belt tensioners and active roll-over bar are de-activated**





Separating cuts

↔ = Points for separating cuts,
can be used on all Saab cars listed.



**Side impact protection in doors
(position maximum 800 mm above ground)**

- -See page 17 (Saab Cabriolet)

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Danger zone

Airbag gas generator under high pressure **even after de-activation!**
Gas struts for bonnet and tailgate

Airbags

Locations: Driver's airbag: steering wheel; Passenger airbag: dashboard; Side airbags: outside of seat backrest; Curtain airbag: roof area A-B-C pillar, **Note:** gas generator curtain airbag in roof area above B pillar; All airbags de-activated 1 minute after disconnecting battery; **marking:** "SRS" + "Airbag"

Electrics

Battery; airbag control unit; **xenon lamps** (optional); **electric fuel pump** (de-activated after turning off ignition or disconnecting battery)

Belt tensioners

Pyrotechnic belt tensioners in lower part of B-pillar and in door sills, on cabriolet in lower part of driver and passenger seats and behind rear seat backrests below parcel shelf, all triggered by airbag control unit.

Miscellaneous

After turning off the ignition, the **fuel pump** is de-activated. **Bonnet release** always on driver's side interior. **Fuel lines** are on vehicle floor.

Reinforcement

Side impact protection only in doors.
Reinforcements: high to highest strength steel

Windows

- **Windscreen** of laminated safety glass
- **Side and rear windows** of single pane safety glass



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Danger zone

Airbags

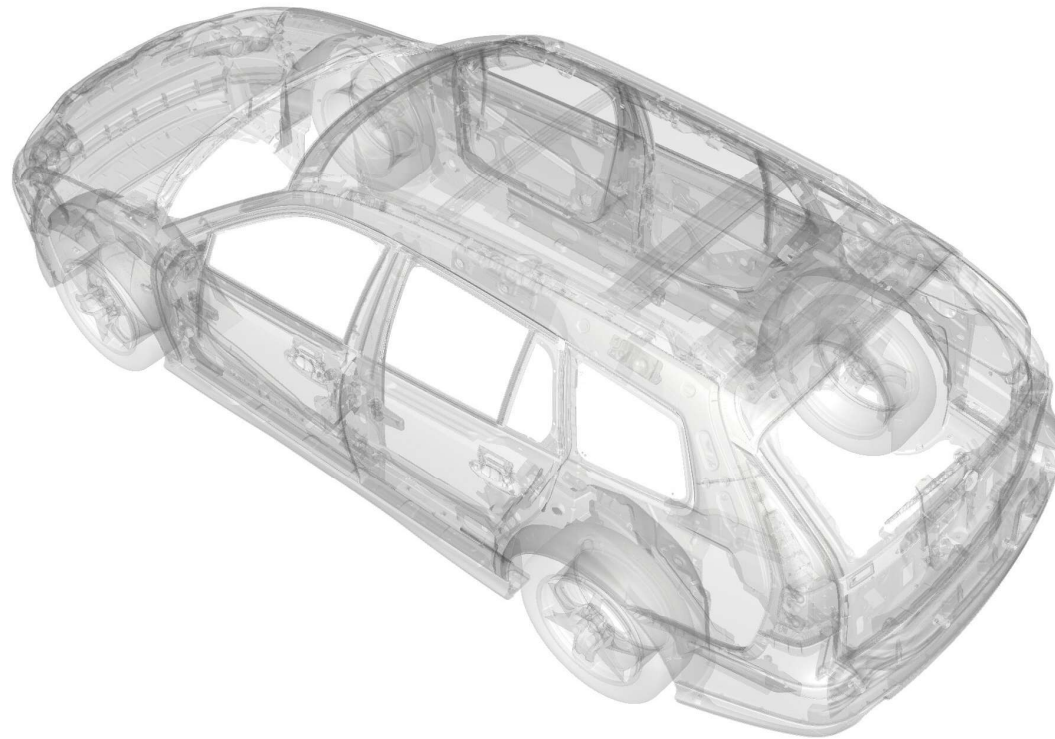
Electrics

Belt tensioners

Miscellaneous

Reinforcement

Windows



4. Risks



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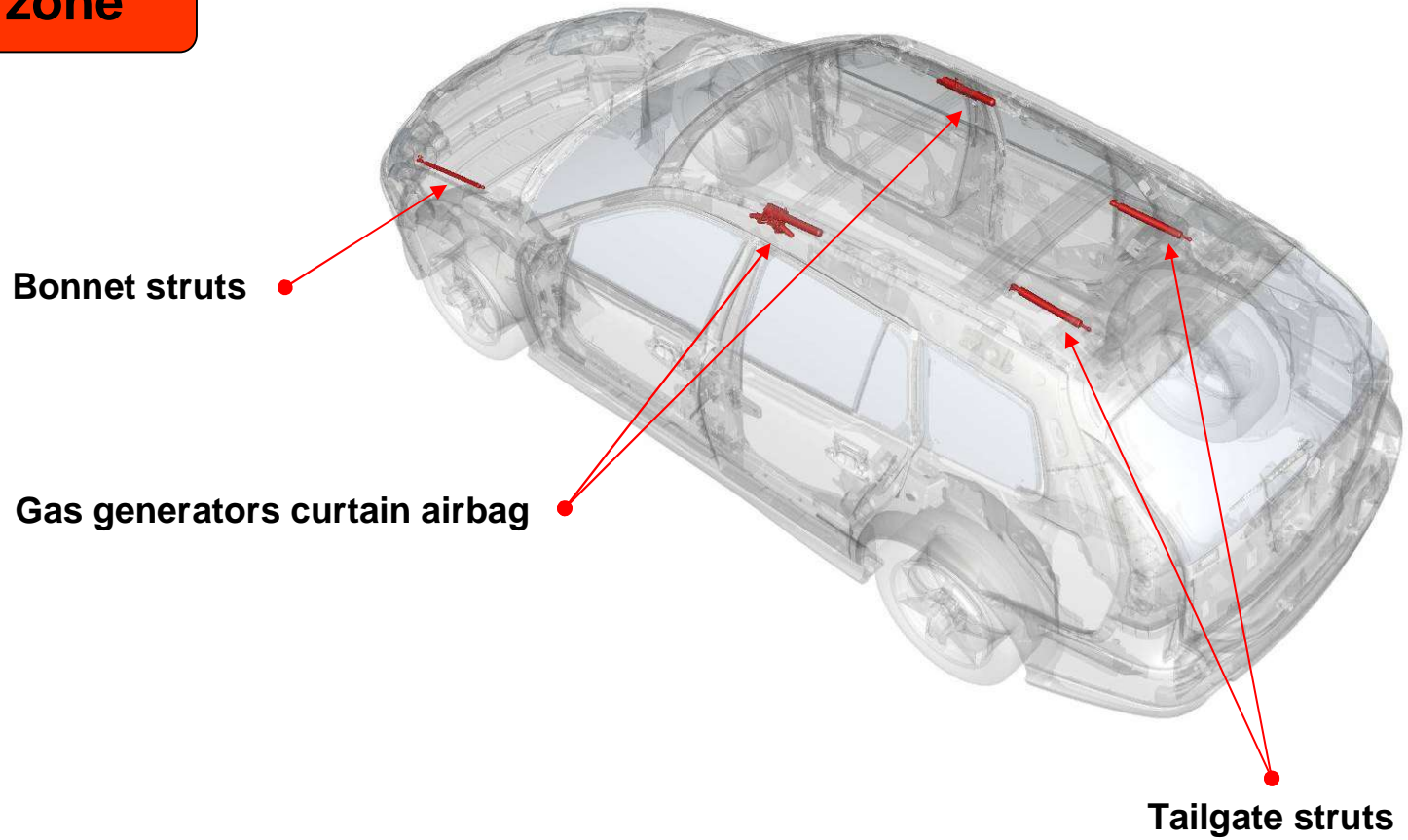


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Danger zone



4. Risks

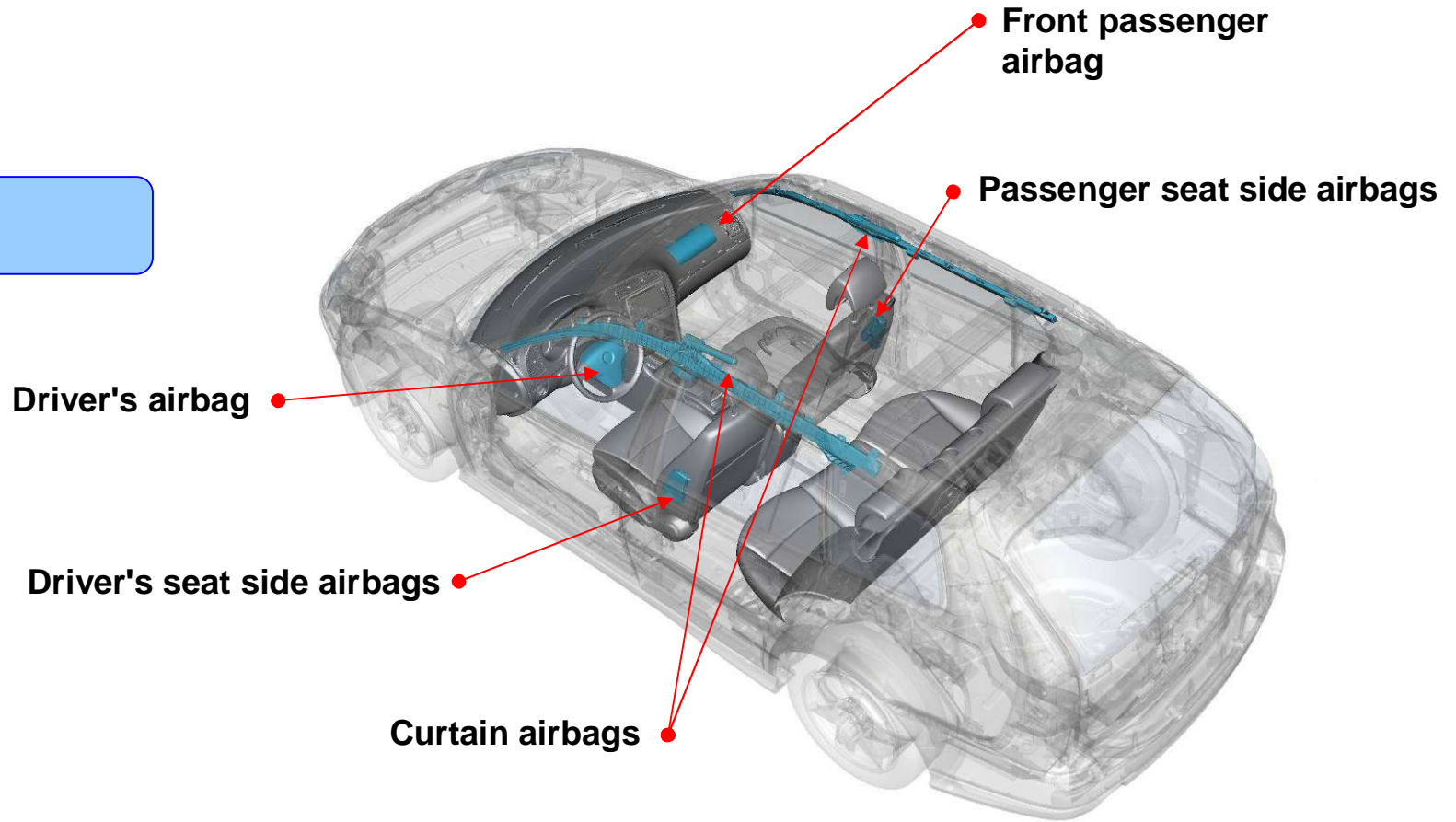


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Airbags



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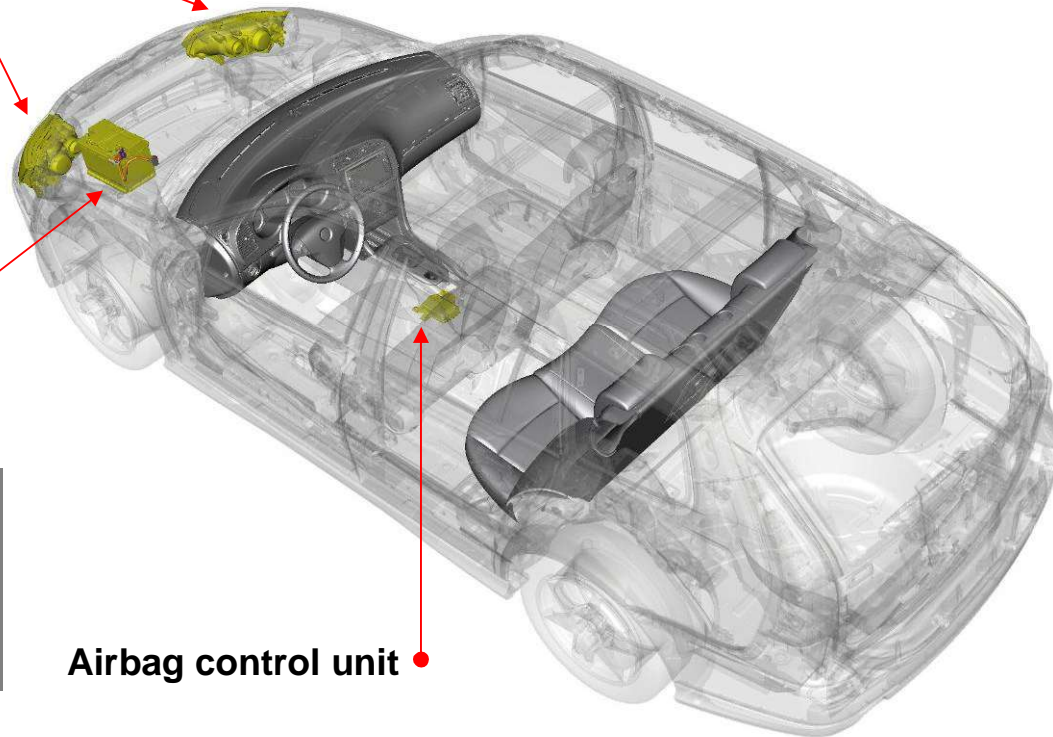
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Xenon gas lamps (optional)

Electrics

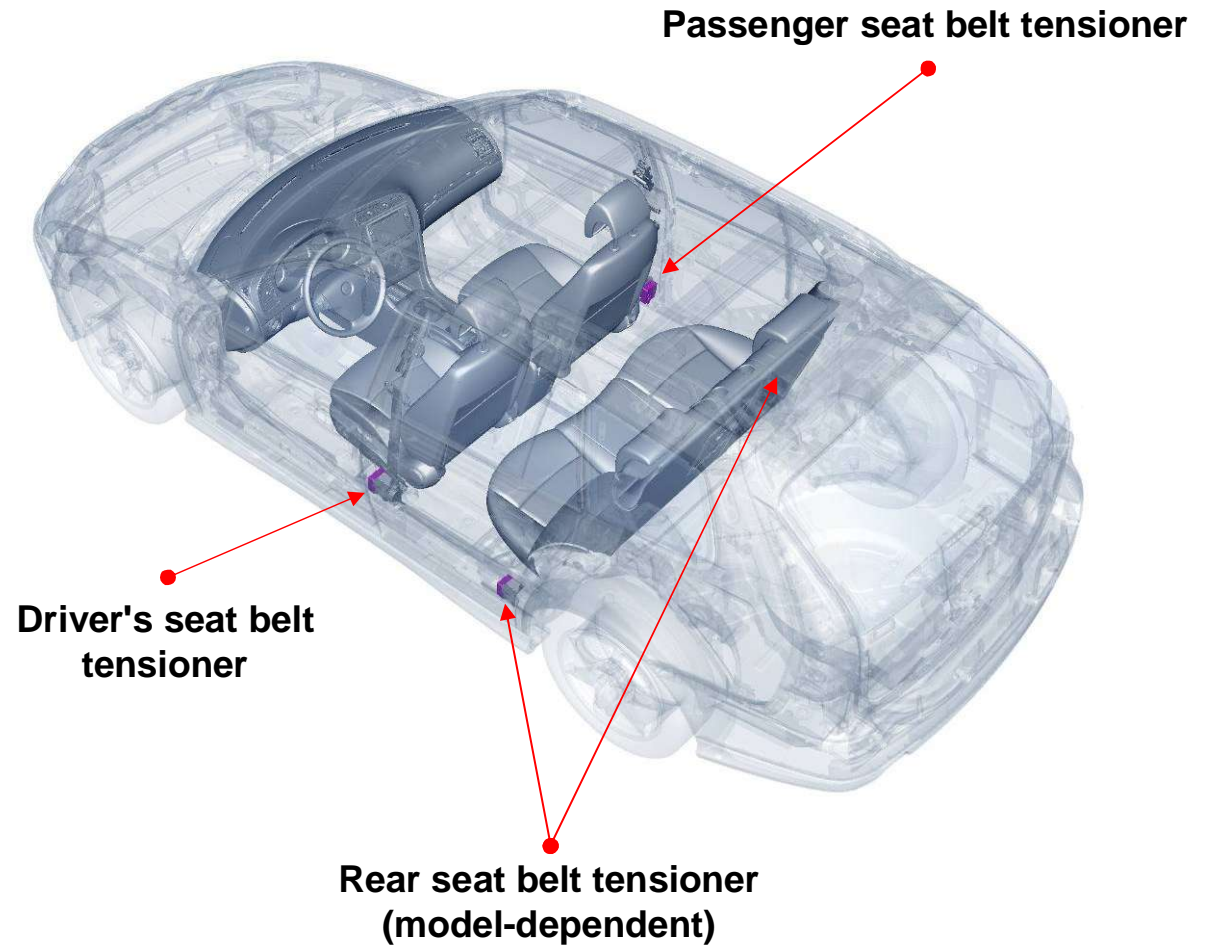
The battery is in the engine compartment on all Saab cars!
Note different installation positions in engine compartment!

Airbag control unit





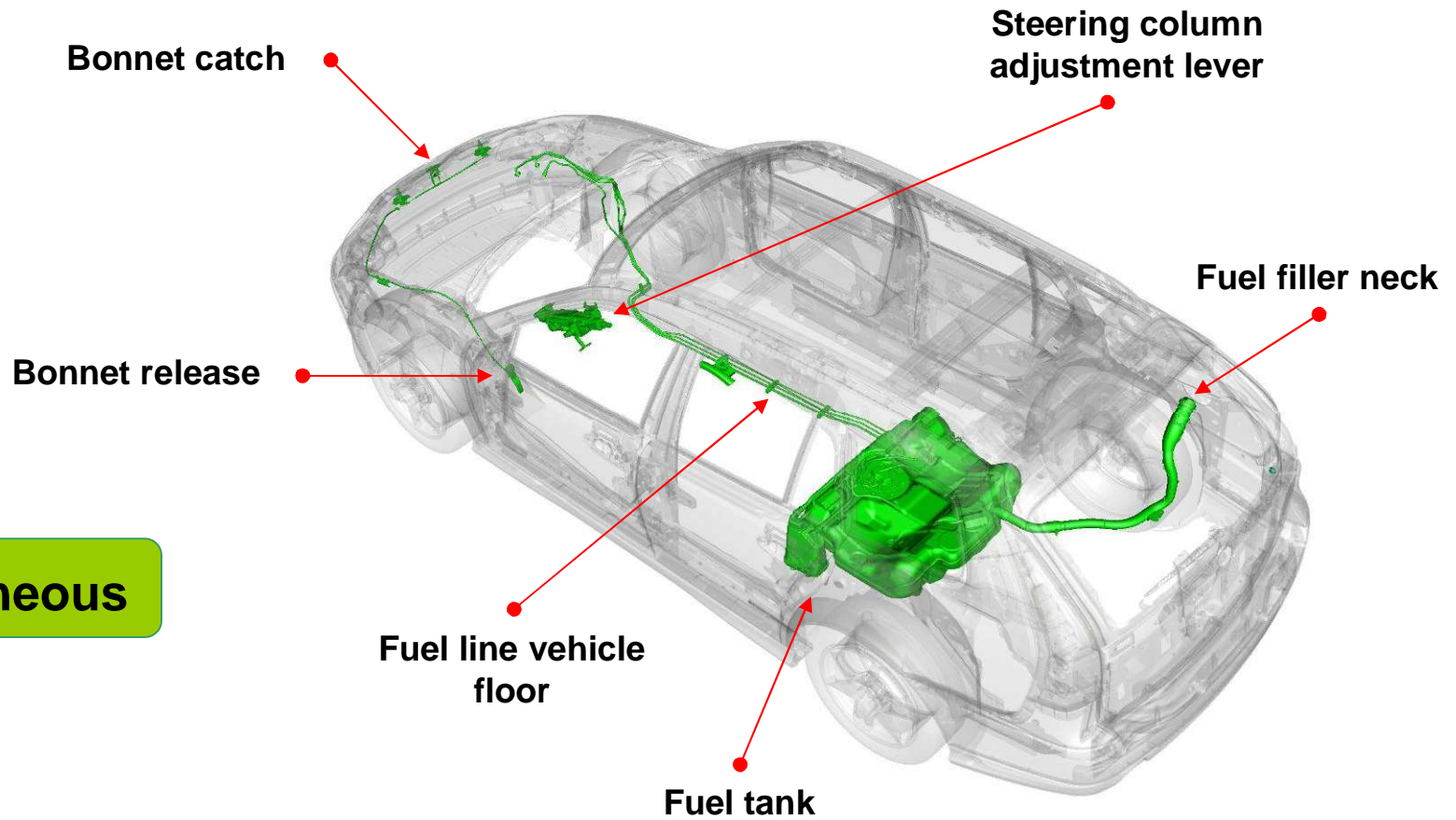
Belt tensioners



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Miscellaneous



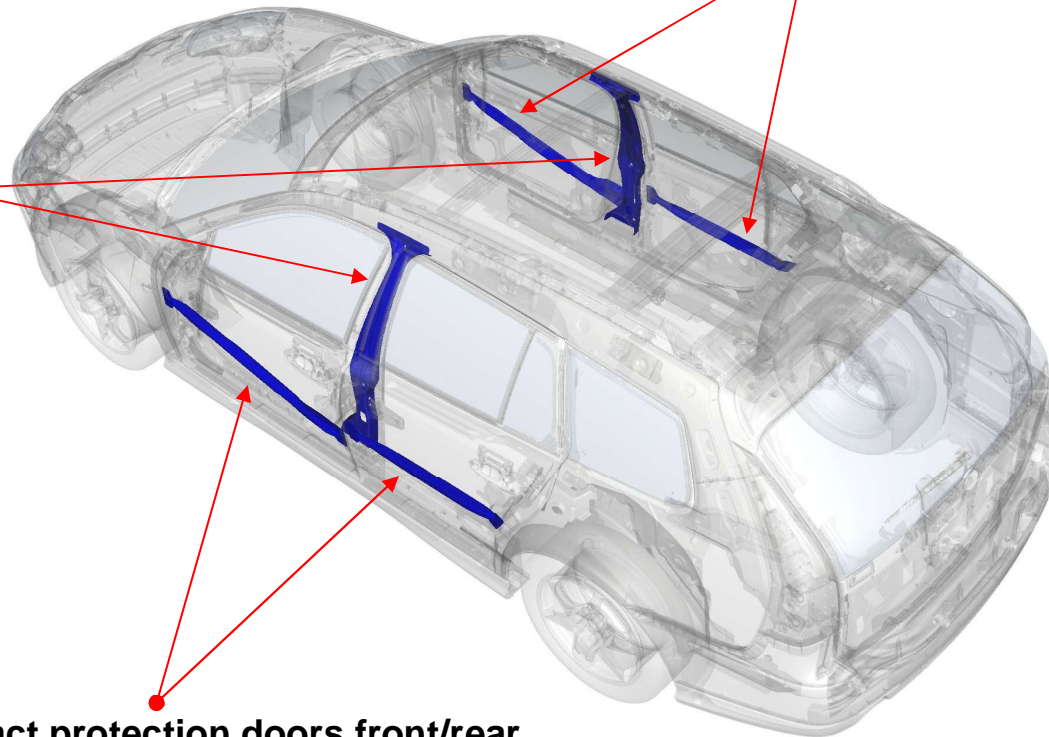
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Side impact protection doors front/rear
(position maximum 800 mm above ground)

Reinforcement B-pillar



Reinforcement

Side impact protection doors front/rear
(position maximum 800 mm above ground)

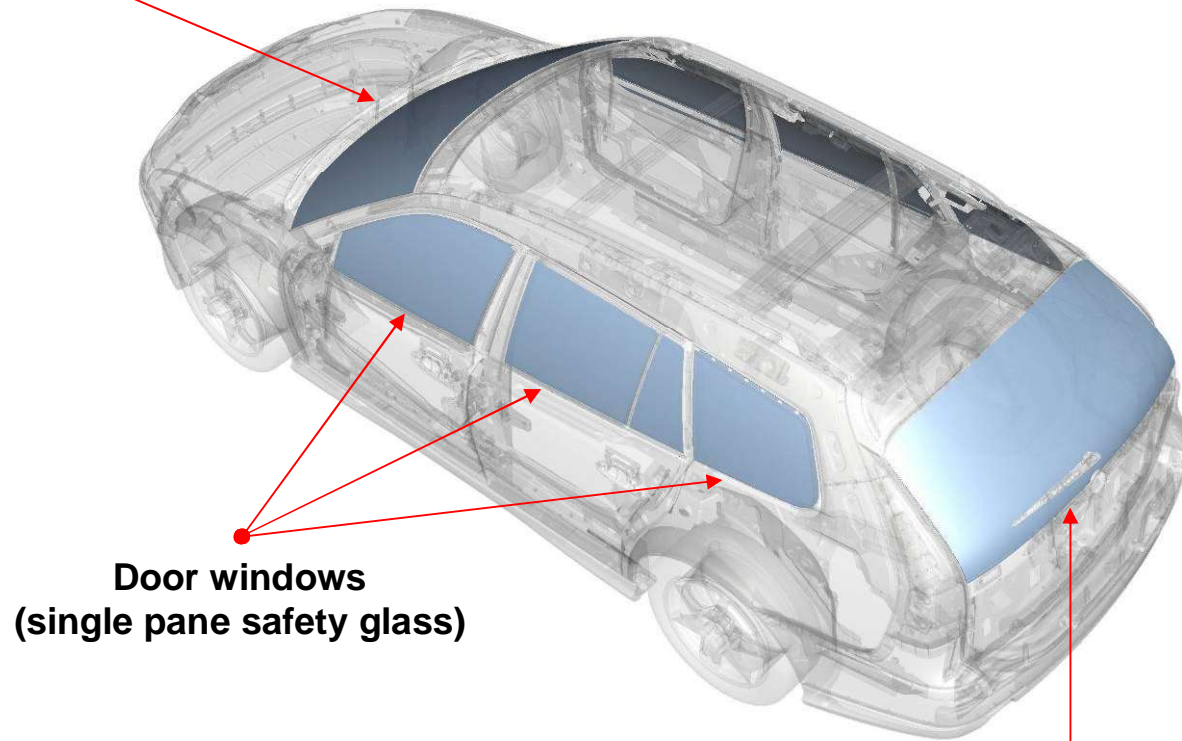


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**Windscreen
(laminated safety glass)**



**Door windows
(single pane safety glass)**

**Rear window and sun roof
(single pane safety glass)**

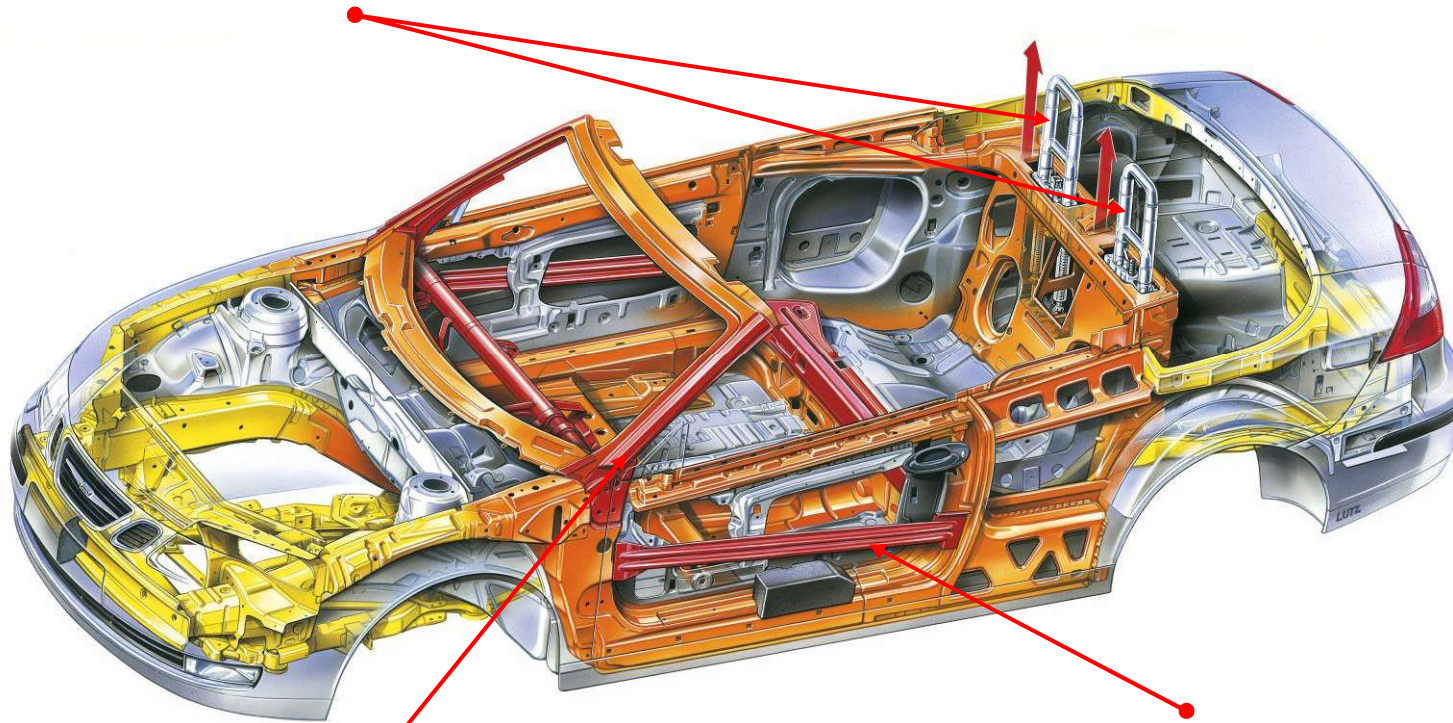
Windows





Cabriolet

Saab 9-3: Active roll-over bars are triggered by airbag control unit.



Reinforcement in A-pillar

Side impact protection in doors.
Position maximum 800 mm above ground.





Cabriolet

Active head restraints
(mechanical)

Belt tensioners in
lower part of driver and passenger seat

Side airbag
outer seat backrest

Seat adjustment mechanical,
optionally electrical



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Rescue guidelines for EU Saab vehicles of series Saab 900, Saab 9000, Saab 9-3, Saab 9-5, Saab Cabriolet 900 & 9-3 Version 1.0, January 2007

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