



NOTICE

The training video is only available in English.



TECHNICAL INFORMATION

The training video shows how to use the special tool IMIB_Next.

The training video does not replace the repair instructions.

The training video is not subject to the update service.

We can assume no liability for printing errors or inaccuracies in this document and reserve the right to introduce technical modifications at any time.

- Follow repair instructions!



TECHNICAL INFORMATION

The training video shows how to use the special tool IMIB_Next.

The training video does not replace the repair instructions.

The training video is not subject to the update service.

We can assume no liability for printing errors or inaccuracies in this document and reserve the right to introduce technical modifications at any time.

- Follow repair instructions!



TECHNICAL INFORMATION

The training video shows how to use the special tool IMIB_Next.

The training video does not replace the repair instructions.

The training video is not subject to the update service.

We can assume no liability for printing errors or inaccuracies in this document and reserve the right to introduce technical modifications at any time.

- Follow repair instructions!



TECHNICAL INFORMATION

The training video shows how to use the special tool IMIB_Next.

The training video does not replace the repair instructions.

The training video is not subject to the update service.

We can assume no liability for printing errors or inaccuracies in this document and reserve the right to introduce technical modifications at any time.

- Follow repair instructions!

Form for equipotential bonding screw connections

Form for equipotential bonding screw connection



DANGER

Equipotential bonding in high-voltage system.

Danger to life if the equipotential bonding screw connection is not correct!

- Observe the safety requirements for the equipotential bonding screw connection.
- Clean contact faces and have then checked by a second person.
- Tighten the screws for equipotential bonding to the specified torque; have a second person check the torque.
- Correct execution of these tasks must be documented in the vehicle records by both persons.

This form must be completed in full and enclosed with the vehicle records!

Vehicle data:

Vehicle identification number	Order number	Order date	Kilometre reading

Equipotential bonding screw connections:

Screw application	Torque	Mechanic	Signature	Tester	Signature

By signing, the mechanic and tester assume liability for the correctness of the screw connection!

5.1.1 Axles

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

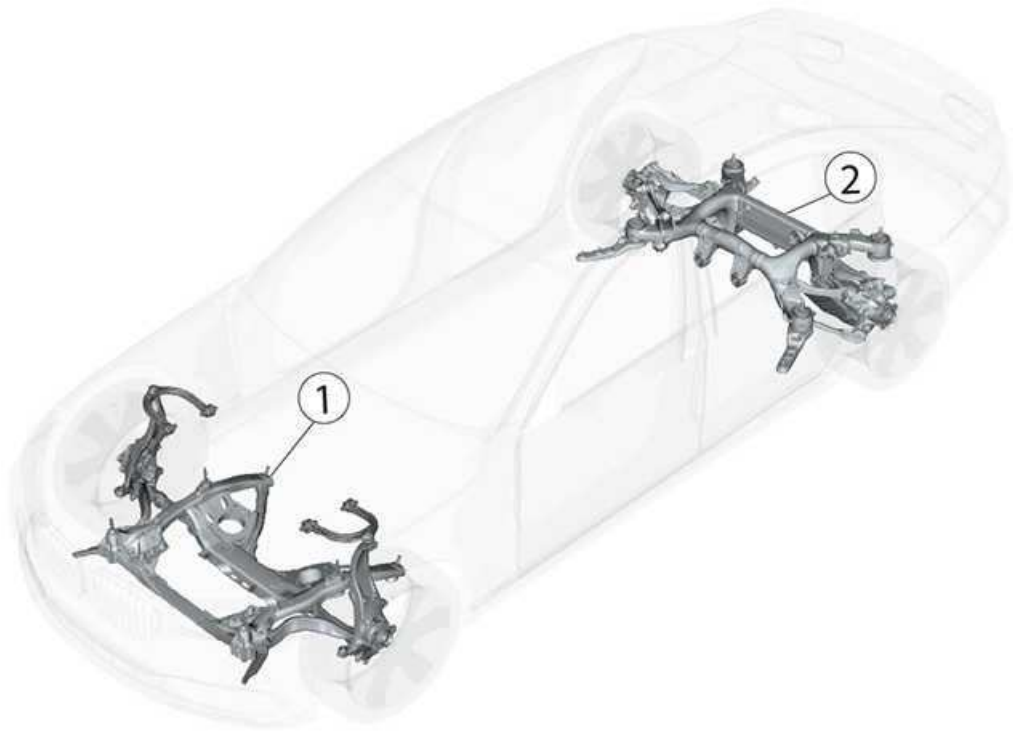
Visual inspection while the vehicle is positioned over an inspection pit or on a vehicle lift. Using wheel play detectors is permitted and recommended for vehicles with a maximum weight of over 3.5 metric tons.

Fault determination according to EG PTI:

a)	Axle fractured or deformed.
b)	Unsafe mounting on the vehicle. Stability impaired, operability impaired; excessive play at the attachment points.
c)	Modification relevant to safety. Stability and operability impaired, insufficient distance to other vehicle components or insufficient ground clearance.

Methods according to vehicle manufacturer

Axles



1 Front Axle

2 Rear Axle

Only 2 axles are installed in BMW, BMW i, MINI and Rolls-Royce vehicles.

7.1.1 Installation safety of the seat belts/seat belt buckles

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection

Fault determination according to EG PTI:

a)	Attachment point severely damaged. Stability impaired.
b)	Mounting loose.

Methods according to vehicle manufacturer

Seats with three-point seat belt



A seat with three-point seat belt including seat belt buckle and mountings is illustrated

- 1 Seat belt guide loop attachment point
- 2 Belt retraction system attachment point
- 3 Seat belt buckle attachment point

As a rule, BMW installs seats with three-point seat belts!

Methods according to vehicle manufacturer

Seats with three-point seat belt



A seat with three-point seat belt including seat belt buckle and mountings is illustrated

1 Belt retraction system attachment point

2 Seat belt buckle attachment point

As a rule, BMW installs seats with three-point seat belts!

7.1.2 Status of the seat belts/seat belt buckles

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection and operation.

Fault determination according to EG PTI:

a)	The specified belt is missing or has not been mounted.
b)	Belt damaged. Cut or signs of overstretching.
c)	Seat belt not as per regulations.
d)	Seat belt buckle damaged or not operating correctly.
e)	Retractor damaged or not operating correctly.

Methods according to vehicle manufacturer:

Three-point seat belt

Exclusively three-point seat belts have been illustrated.

1	Seat belt guide loop attachment point
2	Belt retraction system attachment point
3	Seat belt buckle attachment point



Three-point seat belt

Exclusively three-point seat belts have been illustrated.

1	Belt retraction system attachment point
2	Seat belt buckle attachment point



Reversible electromotive reel (REMA) on the left and right

The REMA system involves the following functions:

- Removal of the belt slack after buckling up so that the seat belt lies optimally against the driver's resp. front passenger's body.
- Stabilisation of the seat position in a critical driving situation by pretensioning the seat belt for optimising the restraint system.

The REMA motor essentially consists of the following parts:

- e-motor.
- Control electronics.
- Gear with clutch (the clutch connects to the automatic reel).
- Automatic reel (mechanical function).

Functional description

The "Minimise belt slack" function only uses the signal of the seat belt buckle switch and the driving speed. From an encodable driving speed (currently 10 km/h) the control electronics activates the motor once for a certain time. With the help of the electric motor, the seat belt strap is rolled up, thus removing the belt slack. In critical driving situations or in the event of a potential accident, the control electronics also activates the motor. The duration is set in such a way that the motor is activated by the control unit until the end of a critical driving situation.

7.1.3 Belt force limiter

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection and/or use of electronic vehicle interface.

Fault determination according to EG PTI:

a)	Force limiter evidently missing or unsuitable for the vehicle.
b)	System outputs an error via the electronic vehicle interface.

Methods according to vehicle manufacturer

For electronic testing via the diagnostic interface (OBD socket), the read-out routines necessary for the EU testing organisation will be provided.

7.1.4 Seat belt tensioner

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection and/or use of electronic vehicle interface.

Fault determination according to EG PTI:

a)	Seat belt tensioner evidently missing or unsuitable for the vehicle.
b)	System outputs an error via the electronic vehicle interface.

Methods according to vehicle manufacturer

For electronic testing via the diagnostic interface (OBD socket), the read-out routines necessary for the EU testing organisation will be provided.

7.1.5 Airbag

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

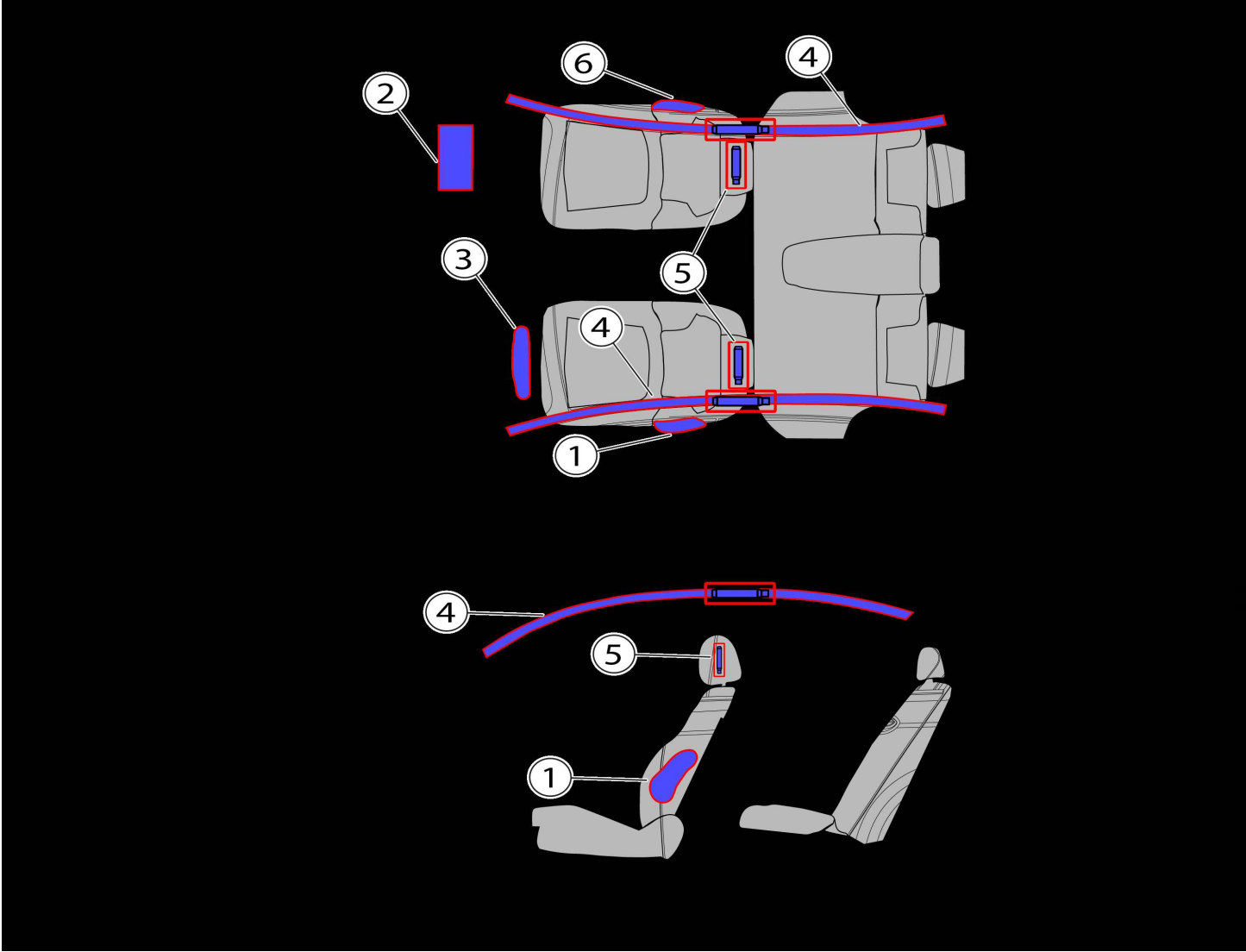
Visual inspection and/or use of electronic vehicle interface.

Fault determination according to EG PTI:

a)	Airbag control light does not go out after ignition
b)	Airbag evidently missing or unsuitable for the vehicle
c)	System indicates an error via the electronic vehicle interface
d)	Airbag evidently not operational

Methods according to vehicle manufacturer

Airbag systems



- 1. Side airbag (B-pillar or seat)
 - 2. Front passenger airbag
 - 3. Driver's airbag
 - 4. Head airbag
 - 5. Head restraint airbag
- The exact position of the airbag has been highlighted with "SRS" or "Airbag" labelling.

7.1.6 Supplementary restraint systems (SRS)

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection of the airbag control light and/or use of electronic vehicle interface.

Fault determination according to EG PTI:

a)	Airbag control light indicates errors in the system (does not go out)
b)	System displays an error message via the electronic vehicle interface

Methods according to vehicle manufacturer

For electronic testing via the diagnostic interface (OBD socket), the read-out routines necessary for the EU testing organisation will be provided.

7.11 Odometer (if present)

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection and/or use of electronic vehicle interface.

Fault determination according to EG PTI:

a)	Evident tampering (fraud) to reduce a vehicle's odometer reading or show an incorrect value.
b)	Evidently not operational.

Methods according to vehicle manufacturer

The information is integrated into the Aftersales Information Research system.

7.12 Driving dynamics control (Electronic Stability Program, ESP) (if installed/required)

Validities

BMW PASSENGER CAR, BMW i, MINI PASSENGER CAR, ROLLS-ROYCE

Official method according to EG PTI:

Visual inspection and/or use of electronic vehicle interface.

Fault determination according to EG PTI:

a)	Wheel speed sensors missing or damaged.
b)	Cable damaged.
c)	Other components missing or damaged.
d)	Switch damaged or not operating correctly.
e)	DSC malfunction indicator lamp (MIL) indicates a fault in the system.
f)	System outputs a fault message via the electronic vehicle interface.

Methods according to vehicle manufacturer

For electronic testing via the diagnostic interface (OBD socket), the read-out routines necessary for the EU testing organisation will be provided.