

2 Fog lights

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2.1 Removing and installing fog light

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2.1.1 Fog lights, removing and installing, until week 45/16

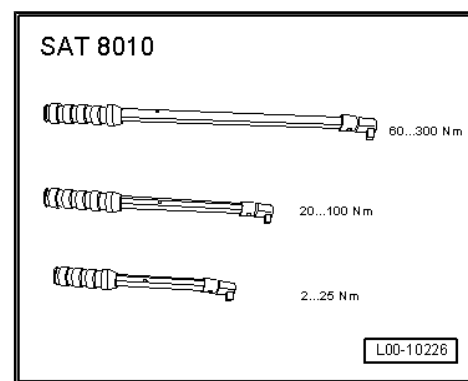


Note

Removal and installation are described for the left side. Removal and installation on the right side are carried out laterally reversed in the same way.

Special tools and workshop equipment required

- ◆ Torque spanner set - SAT 8010-



- ◆ Lever - U 30800-

Removing

- Switch off ignition and all electrical consumers.

Vehicles without access and start authorisation system

- Remove ignition key, if fitted.

Vehicles with access and start authorisation system

- Store the ignition key outside the vehicle to prevent the ignition from being switched on unintentionally.

Continued for all vehicles

- Remove the front grille of the bumper cover ⇒ [page 133](#) ⇒ General body repairs, exterior; Rep. gr. 63 ; Front bumper; Assembly overview - bumper cover



Note

The shape of the fog lights and the number and position of the screws is different depending on the model.

Vehicles with retaining clip, except version "FR"

- Use a small screwdriver to remove the retaining clip -1- from the radiator grille.

Continue for all vehicles:

- Unscrew the three securing bolts -arrow- from the fog light bracket on the trim of the bumper.
- Remove fog lamp.
- Separate the fog lamp connector.

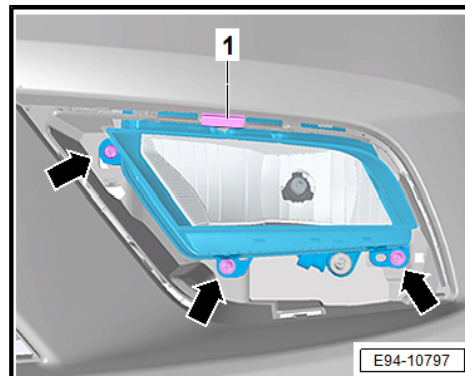
Installing

Install in reverse order for the removal. During this step, observe the following:

- Check fog light adjustment ➔ [page 137](#) .

Specified torques

Securing bolts of the grille of the bumper trim	Nm
Securing bolts of the fog lamp on the trim of the bumper	2 Nm + - 0.5 Nm



2.1.2 Fog lights, removing and installing, FR, left side, until week 45/16

Removing

- Switch off ignition and all electrical consumers.

Vehicles without access and start authorisation system

- Remove ignition key, if fitted.

Vehicles with access and start authorisation system

- Store the ignition key outside the vehicle to prevent the ignition from being switched on unintentionally.

Continued for all vehicles

- Remove bumper cover (front) ➔ General body repairs, exterior; Rep. gr. 63 ; Front bumper; Removing and installing bumper cover (front) .
- Disconnect the headlight cleaning line.
- Disconnect the fog lamp plug connector.

- Unscrew the three securing bolts -2- from the fog light -1- on the trim of the bumper.
- Undo the clip -arrow- and pull the headlight out of its mount.

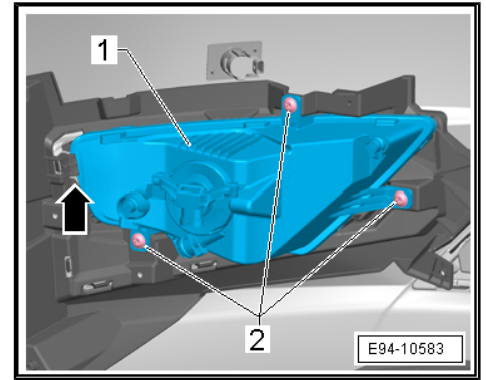
Installing

Install in reverse order for the removal. During this step, observe the following:

- Check fog light adjustment ➔ [page 137](#) .

Specified torques

Securing bolts of the grille of the bumper trim	Nm
Securing bolts of the fog lamp on the trim of the bumper	2 Nm ⁺ - 0.5 Nm



2.1.3 Fog lights, removing and installing, FR, right side, until week 45/16

Removing

- Remove the lower engine noise insulation ➔ General body repairs, exterior; Rep. gr. 66 ; Noise insulation; removing and installing the noise insulation .
- Remove the connector -1- of the lamp bracket.
- Unscrew the three securing bolts -2- from the fog light bracket on the trim of the bumper.
- Undo the clip -arrow- and pull the headlight out of its mount.
- Remove the fog light by turning it.

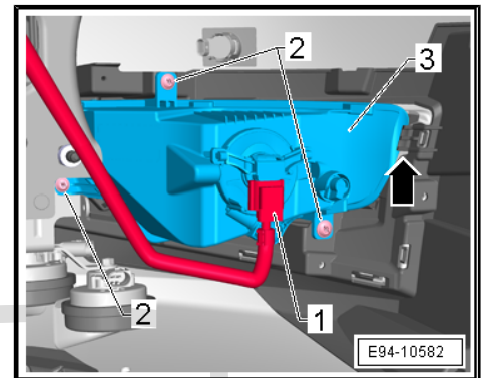
Installing

Install in reverse order for the removal. During this step, observe the following:

- Check fog light adjustment ➔ [page 137](#) .

Specified torques

Securing bolts of the grille of the bumper trim	Nm
Securing bolts of the fog lamp on the trim of the bumper	2 Nm ⁺ - 0.5 Nm



2.1.4 Fog lights, removing and installing, from week 45/16



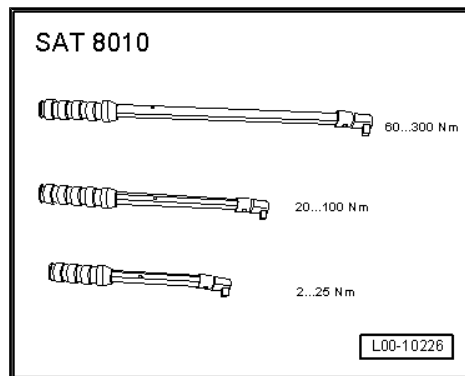
Note

Removal and installation are described for the left side. Removal and installation on the right side are carried out laterally reversed in the same way.

Special tools and workshop equipment required

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◆ Torque spanner set - SAT 8010-



◆ Lever - U 30800-

Removing

- Switch off ignition and all electrical consumers.

Vehicles without access and start authorisation system

- Remove ignition key, if fitted.

Vehicles with access and start authorisation system

- Store the ignition key outside the vehicle to prevent the ignition from being switched on unintentionally.

Continued for all vehicles

- Remove the front grille of the bumper cover ⇒ [page 133](#) ⇒ General body repairs, exterior; Rep. gr. 63 ; Front bumper; Assembly overview - bumper cover



Note

The shape of the fog lights and the number and position of the screws is different depending on the model.

Vehicles with retaining clip, except version "FR"

- Use a small screwdriver to remove the retaining clip -1- from the radiator grille.

Continued for all vehicles:

- Unscrew the securing bolts -arrow- from the fog light bracket on the trim of the bumper.
- Remove fog lamp.
- Separate the fog lamp connector.

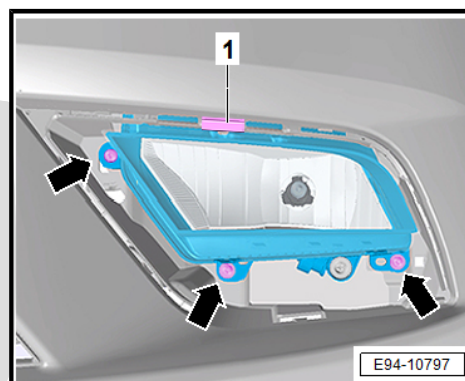
Installing

Install in reverse order for the removal. During this step, observe the following:

- Check fog light adjustment ⇒ [page 137](#) .

Specified torques

Securing bolts of the grille of the bumper trim	2 Nm
Securing bolts of the fog lamp on the trim of the bumper	2 Nm ± 0.5 Nm



2.2 Removing and installing fog light bulb L22 / L23

⇒ [“2.2.1 Removing and installing fog light bulb L22 / L23”,
page 135](#)

⇒ [“2.2.2 Installing and removing the left fog light bulb L22 FR fog
light”, page 135](#)

⇒ [“2.2.3 Installing and removing the right fog light bulb L23 FR
fog light”, page 136](#)

2.2.1 Removing and installing fog light bulb L22 / L23



Note

- ◆ Do not touch the halogen bulb glass when installing it.
- ◆ The lamp holder is part of the halogen lamp.

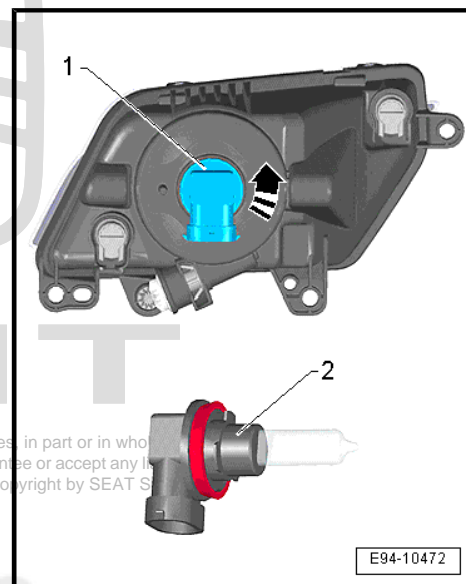
Removing

- Disconnect ignition and all electrical loads, and remove ignition key.
- Remove fog light ⇒ [page 131](#) .
- Turn the lamp holder -1- 45° anticlockwise -arrow-.
- Remove lamp -2- from the housing of the fog lamp.

Installing

Install in reverse order for the removal. During this step, observe the following:

- Place the lamp so that the recess of the lamp holder matches up with the lug of the housing.
- Check fog light adjustment ⇒ [page 137](#) .



2.2.2 Installing and removing the left fog light bulb - L22- FR fog light



Note

- ◆ Do not touch the halogen bulb glass when installing it.
- ◆ The lamp holder is part of the halogen lamp.

Removing

- Disconnect ignition and all electrical loads, and remove ignition key.
- Remove bumper cover (front) ⇒ General body repairs, exterior; Rep. gr. 63 ; Front bumper; Removing and installing bumper cover (front) .
- Disconnect the headlight cleaning line.
- Separate the fog lamp connector.



Caution

Take care when pressing the retaining tags of the safety lock, these may break easily.

- Using a narrow screwdriver, press the safety catch -1- through the opening -arrow-.
- Remove the safety catch -1-.
- Turn the lamp holder -2- counterclockwise -arrow-.
- Remove lamp -2- from the housing of the fog lamp.

Installing

Install in reverse order for the removal. During this step, observe the following:

- Place the lamp so that the recess of the lamp holder matches up with the lug of the housing.
- Check fog light adjustment ⇒ [page 137](#) .

2.2.3 Installing and removing the right fog light bulb - L23- FR fog light



Note

- ♦ *Do not touch the halogen bulb glass when installing it.*
- ♦ *The lamp holder is part of the halogen lamp.*

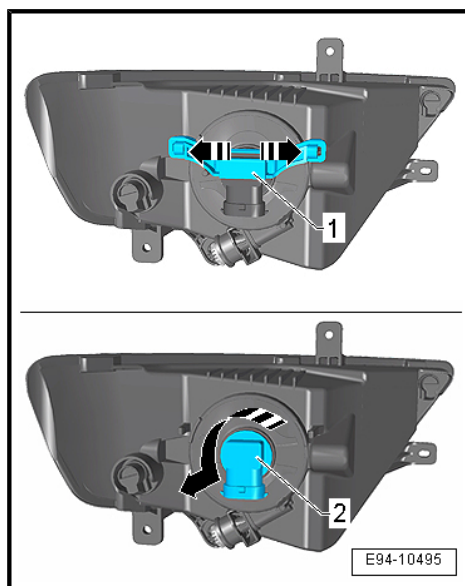
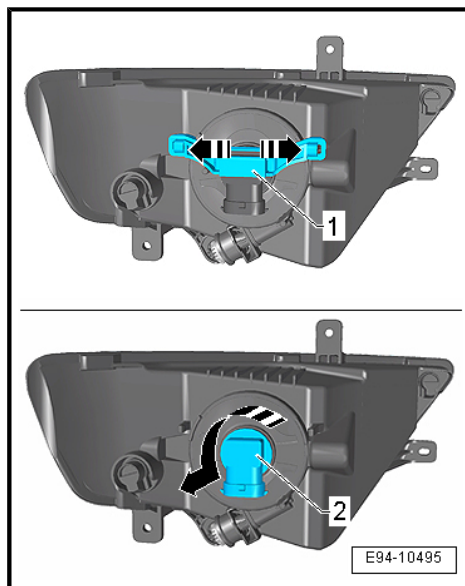
Removing

- Remove the lower engine noise insulation ⇒ General body repairs, exterior; Rep. gr. 66 ; Noise insulation; removing and installing the noise insulation .
- Pull connector from bulb holder.
- Using a narrow screwdriver, press the safety catch through the opening.
- Turn the lamp holder counter-clockwise.
- Remove the lamp from the fog lamp housing.

Installing

Install in reverse order for the removal. During this step, observe the following:

- Place the lamp so that the recess of the lamp holder matches up with the lug of the housing.
- Check fog light adjustment ⇒ [page 137](#) .



2.3 Adjusting fog lights

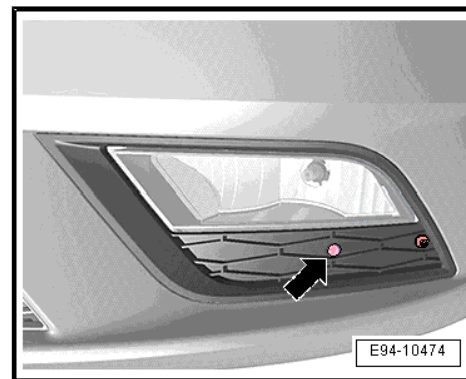
⇒ [“2.3.1 Adjusting fog lights”, page 137](#)

⇒ [“2.3.2 Adjusting the fog lights, FR headlights”, page 137](#)

2.3.1 Adjusting fog lights

- The conditions for checking and adjustment are the same as for the main headlamps.
- Regulate the reach of the headlamps, turning the alignment screw -arrow- with a screwdriver.

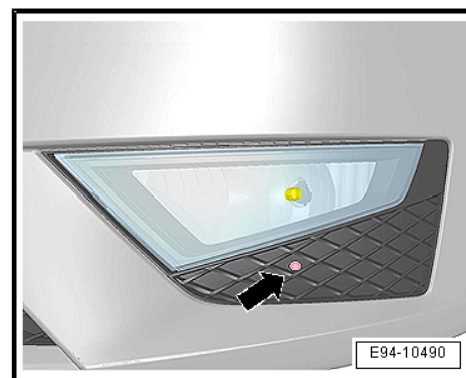
Tilt measurement: $-1\% + 0.2$



2.3.2 Adjusting the fog lights, FR headlights

- The conditions for checking and adjustment are the same as for the main headlamps.
- Regulate the reach of the headlamps, turning the alignment screw -arrow- with a screwdriver.

Tilt measurement: $-1\% + 0.2$



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