

Headlamp/bulb, replacing

Note! The illustrations in this service information are used for different model years and/or models. Some variation may occur. However, the essential information in the illustrations is always correct.

Preparatory work

Removing the bumper casing

Ignition off.

Set the switch for external lighting to zero.

Detach the casing for the bumper on the relevant side. See: [Bumper front, replacing](#) .

Remove the 4 screws from the bumper guide.

Caution! Carefully tension the casing and the guide for the bumper when working with headlamps.

Removal

Removing the headlamp

Caution! Position a guard over the casing when removing the headlamp.

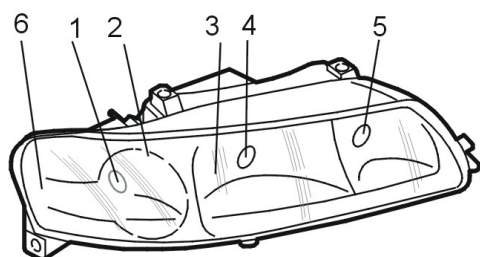
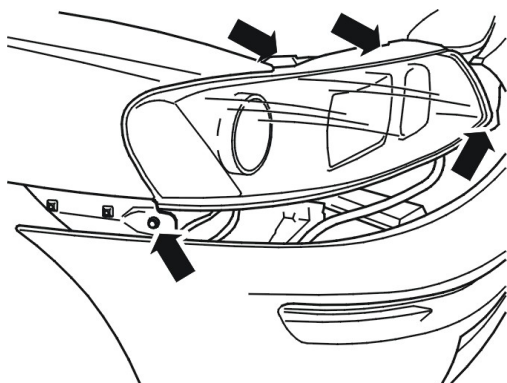
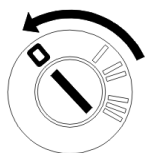
Remove:

- the 4 screws for the headlamp
- the connectors
- the headlamp.

Note! To replace the bulb, see: [Bulb headlamp, replacing](#) .

Location of components

1. Turn signal lamps
2. Parking lamps, applies to vehicles equipped with Bi Xenon lamps
3. Parking lamps, applies to vehicles equipped with halogen lamps
4. Dipped beam
5. Main beam
6. Sidemarkers lamps front.



Installation

Installing the headlamp

Note! Carefully tension the casing and the guide for the bumper when working with headlamps.

Install:

- the connectors
- the headlamp
- the 4 x screws
- the bumper guide
- the 4 x screws
- the casing for the bumper on the relevant side. See: [Bumper front, replacing](#) .

Finishing

Checking the light pattern

Check and adjust the light pattern. See: [Headlamps, aligning](#) .

Turn signal lamps, replacing

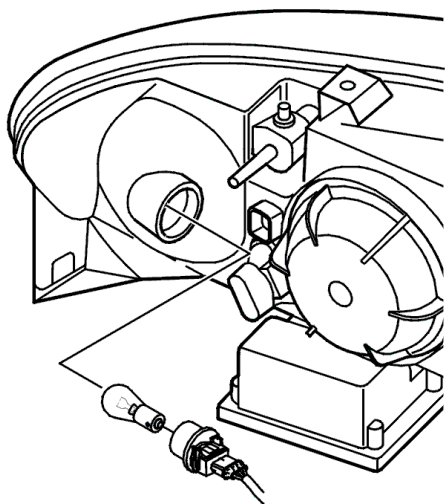
Removal

The lamp housing and bulb

To replace the turn signal lamp assembly, see [Headlamp/bulb, replacing](#) .

Hint: When replacing on the right-hand side of the car, remove the filler pipe from the windshield washer reservoir. See [Windshield washer fluid reservoir, replacing](#) .

- Remove the cover from the headlamp
- Twist off the bulb holder with the connector
- Twist out the bulb.



Installation

The lamp housing and bulb

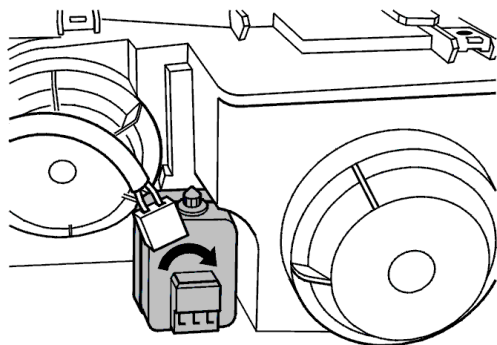
In reverse order.

Motor height control headlamp, replacing

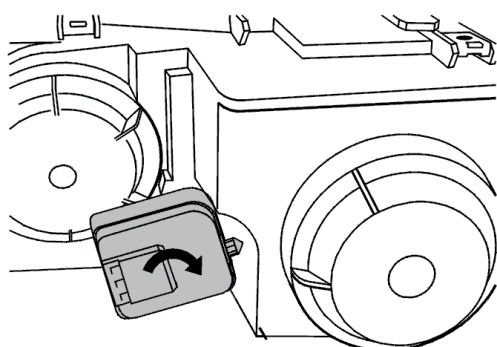
Left and right side

Removal

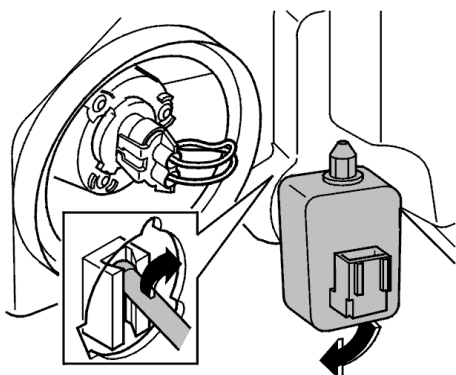
Headlamp range adjustment motor



- Remove one of the protective covers over the bulbs
- Detach the air hose from the control module housing (when replacing on the right-hand side)
- Disconnect the connector for the headlamp range adjustment motor.



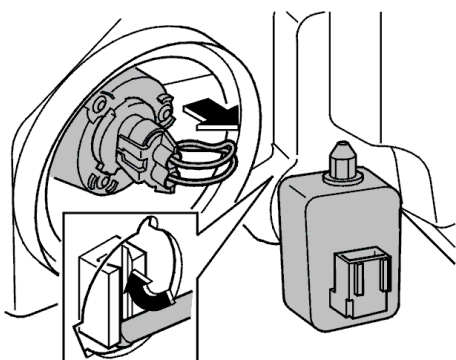
- Turn the motor almost $\frac{1}{4}$ turn downwards and in towards the headlamp housing. The white point must be against the housing
- Work the motor out of the headlamp housing. The motor must remain in the reflector.



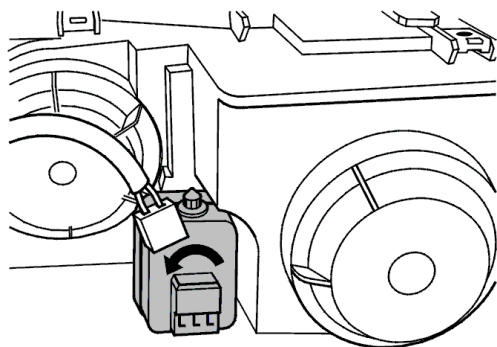
- Pull the lamp back towards the opening. The reflector will follow it slightly
- Angle the motor down while pulling it upwards so that it releases from the reflector.

Installation

Headlamp range adjustment motor



- Grasp the lamp and pull the reflector back towards the mounting in the headlamp housing so that the mounting for the reflector is visible. The reflector mounting on the motor can be screwed in and out. Adjust as necessary.



Hint: Counterhold the reflector when installing the motor.

Install:

- the motor from above at an angle in the headlamp housing. Hook the motor onto the lower edge of the reflector mounting
- the motor in the headlamp housing. Turn the motor so that the white tip is pointing straight up
- the connector for the motor
- the protective cover for the bulb
- the air hose to the control module housing (when replacing on the right-hand side).

Finishing

- Adjust the beam. See [Headlamps, aligning](#) .

Bi-Xenon lamps, replacing

Removal and Installation

Safety precautions

Always cut the current to the headlamps before replacing the lamps.

Do not touch the high and low beam stalk during work due to the high voltage and risk of explosion. Remove the keys and lock the car. Allow the lamp to cool. Use protective goggles and gloves when replacing the lamp.

The glass body of the Bi-Xenon-lamp is filled with different gases and metal vapours which are under pressure. Never touch the glass body of the lamp. Only touch the lamp at the socket. Remove any finger prints from the glass using a cloth and alcohol.

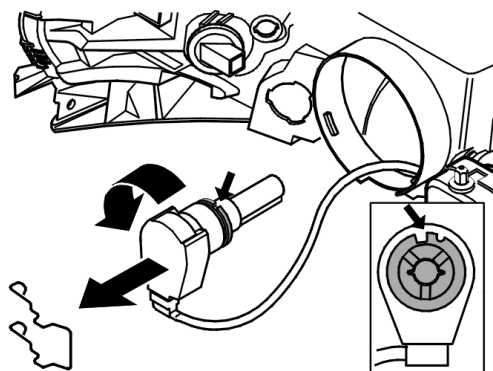
The lamp must only be used in enclosed headlamps. The replaced Bi-Xenon lamp must be treated as hazardous waste and must be sent for recycling.

Removing bulbs

Caution! Handle the lamp with extreme care. The lamp is gas pressured and can explode.

Caution! Wear protective goggles and protective gloves.

Remove the cover



- Remove the cover
- Remove the spring clamp above the bulb
- Remove the bulb holder by twisting anti-clockwise
- Carefully pull the bulb straight out from the lamp housing
- Detach the Bi-Xenon bulb by pressing and twisting it.

Installing bulb

Caution! Wear protective goggles and protective gloves.

Install:

- The Bi-Xenon bulb in the bulb holder as illustrated
- the bulb holder carefully in the lamp housing
- the spring clamp over the bulb
- the cover.

Test the function. Check high and low beam.

Ballast Bi-Xenon headlamp, replacing

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Removing / installing

Safety precautions

Always cut the current to the headlamps before beginning work. Do not touch the high and low beam stalk during work due to the high voltage and risk of explosion.

Remove the keys and lock the vehicle.

Allow the lamp to cool. Always use protective goggles and gloves when working on the lamp.

The glass body of the Bi-Xenon-lamp is filled with different gases and metal vapors which are under pressure. Never touch the glass body of the lamp. Only touch the lamp at the socket.

The lamp must only be used in enclosed headlamps.

Preparatory work

See: [Safety precautions](#) .

Remove the headlamp. See: [Headlamp/bulb, replacing](#) .

Note! Disconnect the headlamp connector. Work with the headlamp removed from the vehicle.

Removing the ballast

Slacken off the screws. Use Torx 20 with holes. Disconnect the connectors.

Installing the ballast

Connect the connectors.
Install the screws. Tighten.