




BULB REPLACEMENT BROCHURE

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Explanation of Symbols:

 = very time-consuming

 = time-consuming

 = moderately time-consuming

 = not very time-consuming

 = not time-consuming

Replacing a light source does not have to be difficult.

Vehicles today are becoming increasingly complex as space has to be found for more and more components. More and more often in extreme cases there is not even a hand's width between the components in the engine compartment. This is especially troublesome when a light source has to be replaced in the headlight. Once you have finally found the headlight cover, you often then have to unscrew everything in the way to access the cover. Replacing a light source in some vehicles can prove to be very time-consuming as the entire headlight has to be removed to access the light source. Painful experiences with sharp edges and ridges are also often routine.

This manual covers vehicles that demand a greater amount of work. It also contains simple, comprehensible workflows and detailed images showing how to replace the light source more easily and efficiently, simplifying the process of replacing the light source.

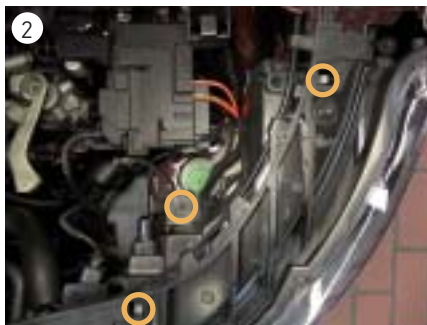
Audi A1



High beam

(driver side/passenger side)

→ The light source can be replaced easily.



Low beam, position light, daytime driving light and indicator

(driver side/passenger side)

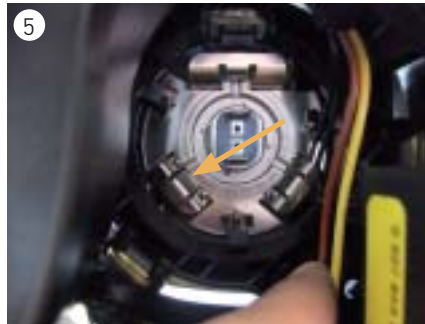
- Remove the headlight. To do so, begin by disconnecting the plug connector on the headlight with a screwdriver (see Fig. 1).
- Unscrew the fastening screws (2 x Torx 25; 1 x Torx 30) (see Fig. 2).



- Carefully slide the headlight forward out of the guides and then remove it from the body (see Fig. 3).



→ Push the covering cap lock to the left until it releases. Remove the covering cap from the housing (see Fig. 4).



Low beam
(driver side/passenger side)

→ Unplug the contact plug from the H7 bulb. Push one of the lower retaining clips gently outwards and remove the bulb from the back of the reflector.
Caution! The bulb is clamped very tightly. Do not try to leverage or pull on the bulb too hard as the reflector bracket or the bulb socket may be damaged by excessive force (see Fig. 5).



→ Ensure that the base of the bulb is flat against the bulb socket when the new bulb is installed.



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Position light/daytime driving light
(driver side/passenger side)

- Remove the rubber cap from the housing.
- As the light source is installed very deep in the headlight, the bulb socket should be carefully removed from the back of the reflector with needle nose pliers. This cannot be accessed using your fingers (see Fig. 6 and 7).



8
Indicator
(driver side/passenger side)

- Remove the rubber cap from the housing.
- Carefully remove the light socket with the light source from the back of the reflector (see Fig. 8).



9
Caution! Pay attention to the guides when installing the headlight into the body (see Fig. 9).

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Audi A4 1.9 TDI with Xenon Headlights



Position light and high beam
(driver side)

→ The light sources can be replaced easily.



Low beam
(driver side)

→ Remove the headlight. To do so, unscrew the upper screws (Torx 30) (see Fig. 1).



- Only loosen the two lower screws (see Fig. 2 and 3).
- Disconnect the plug connector from the headlight and remove it from the front of the body.
- Release the fastening clamp of the covering cap and remove the cap from the headlight housing.



- Release the spring wire bracket used to fasten the ignition module (see Fig. 4).
- Carefully remove the ignition module with the xenon lamp (one unit) from the back of the reflector (see Fig. 5).



- Disconnect the power supply cable from the ignition module.



Indicator (driver side)

- Remove the headlight (see low beam).
- Turn the bayonet socket anticlockwise and then remove the bayonet socket with the bulb from the reflector (see Fig. 6).



Low beam
(passenger side)

→ Unscrew the screws from the air intake duct (Torx 25) and then remove the two-piece intake duct (see Fig. 7).



- Remove the air filter box. To do so, remove the fastening plug (see Fig. 8).
- Disconnect the plug connector from the air mass sensor.
- Loosen the hose clamp from the air intake hose and then disconnect the hose from the air filter.
- Pull the air filter box up and off the rubber guides.

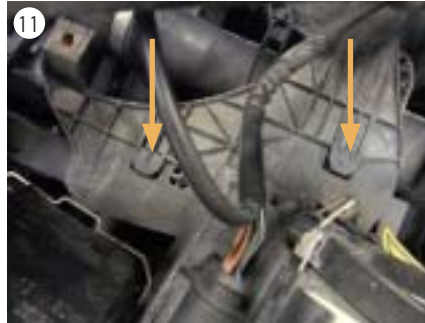


- Disconnect the plug connector from the headlight and put the cable to one side so that it does not interfere with removing the covering cap.
- Release the fastening clamp of the covering cap and remove the cap from the headlight housing (see Fig. 9).
- For all other steps, see Point 6.



High beam and position light (passenger side)

- Unscrew the screws from the air intake duct (Torx 25) and remove the two-piece intake duct (see Fig. 7).
- Release the fastening clamp of the covering cap and remove the cap from the headlight housing (see Fig. 10). Now the light sources can be replaced.



Indicator (passenger side)

- See driver's side.
- **Caution! When installing the headlight, ensure that it is reinstalled correctly on the guides (see Fig. 11).**

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Audi A4 (8K5 / 8K2) with Bi-Xenon Headlights



Low beam, high beam, daytime driving light, position light and indicator
(driver side/passenger side)

- Release the plug connector lock with a screw driver and then disconnect the plug from the headlight (see Fig. 1).

Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



- Unscrew the screws (4 x Torx 30) from the panel and then pull the panel upwards.

Caution! Do not damage the latches
(see Fig. 2).



- Unscrew the fastening screws (4 x Torx 30) from the headlight. There are two screws at the top (see Fig. 3) and two at the bottom (see Fig. 4 and 5) of the headlight.
- Remove the headlight from the front of the body.



Low beam and high beam
(driver side/passenger side)

- Turn the covering cap anticlockwise and remove the cap from the headlight housing (see Fig. 6).



- Turn the ignition module anticlockwise and then carefully remove the ignition module with the xenon lamp (one unit) from the reflector (see Fig. 7).
- Release the plug connector lock and then disconnect the cable from the ignition module.



Indicator

(driver side/passenger side)

- Unscrew the screws (4 x Torx 20) from the electronic ballast (see Fig. 8) and remove it from the headlight housing.



- Disconnect the plug connectors on the ballast (see Fig. 9).



→ The bulb socket is installed very deep inside the headlight and is not accessible with your fingers. Use a suitable tool, such as needle nose pliers, to carefully turn the bulb socket anticlockwise and remove it with the bulb from the reflector (see Fig. 10).

Daytime driving light and position light (driver side/passenger side)

→ Both of these light functions are performed by LEDs. The LEDs are not replaceable.

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Audi A6 (4F) 2.4 litre (year of manufacture 05/2004 and later)



Low beam, high beam, position light and indicator
(passenger side)

→ Unscrew the fastening screws from the intake duct (see Fig. 1).

Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



- Remove the intake duct from the air filter box.
- Disconnect the hose holders from the air filter housing (see Fig. 2).
- Release the hose clamp from the air intake hose and then disconnect the air intake hose from the air filter box.



- Release the fastening brackets on both sides of the air filter housing (see Fig. 3) and then remove the front housing section with the air filter.



→ Remove the expansion element from the fastening plug (see Fig. 4). Next, detach the rear housing section towards the engine from the mudguard wall.



→ Release the nozzle from the air hose and then disconnect it from the air filter housing (see Fig. 5).



→ Pull the rubber studs up and out of the bottom section of the housing (see Fig. 6).
→ Next, pull the housing up and off the guides.

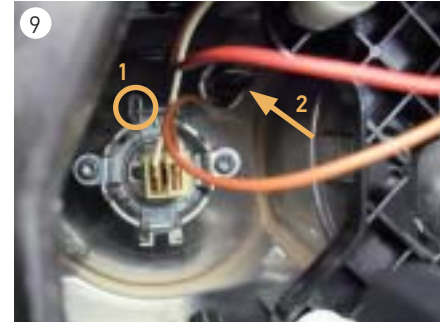


- Release the latches of the covering cap and remove the cap from the housing (see Fig. 7).
- **Caution!** As the view of the light source is limited, a mirror should be used to prevent damage or incorrect installation.



Low beam
(passenger side)

- Disconnect the contact plug, release the spring wire bracket and remove the bulb from the reflector (see Fig. 8).



High beam
(passenger side)

- Disconnect the contact plug, release the spring wire bracket and remove the bulb from the reflector (see Fig. 9, Point 1).

Position light
(passenger side)

- Carefully pull the grip socket out of the back of the reflector (see Fig. 9, Point 2).



Indicator
(passenger side)

- Turn the grip socket anticlockwise and then remove the grip socket with the bulb from the reflector (see Fig. 10).



Low beam
(driver side)

- Unscrew the fastening screws (Torx 30) from the power steering reservoir.
- Bend the metal band so that the oil reservoir can be moved to one side (see Fig. 11).



- There should now be enough space available to replace the bulb (see Fig. 12).

Indicator

(driver side)

- The grip socket can be reached with the left hand. For replacement, see passenger side.

High beam and position light

(driver side)

- These bulbs cannot be replaced by hand as the bulbs are installed deep in the body. The headlight must be disassembled to replace the bulb correctly.

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Ford S-Max



Low beam, high beam, position light and indicator

(driver side/passenger side)

- Disconnect the plug contact from the headlight with a screwdriver (see Fig. 1).

Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



- Unscrew the fastening screws (2 x Torx 30) (see Fig. 2).
- Remove the headlight from the front of the body (see Fig. 3).
- The light source can now be replaced.



All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Land Rover Range Rover Sport with Xenon Light



**Low beam, high beam, cornering light,
position light and indicator**
(driver side/passenger side)

- Release the latches (x4) on the radiator grill (see Figure 1).
- Carefully pull the radiator grill forwards off the lower guides and then remove the radiator grill from the body.

Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



- Pull the fastening clamp upwards until the fastening points are exposed (see Fig. 2).



- Carefully remove the headlight from the front of the body (see Fig. 3).



- Release the plug connector lock with a screwdriver and disconnect the plug (see Fig. 4.).

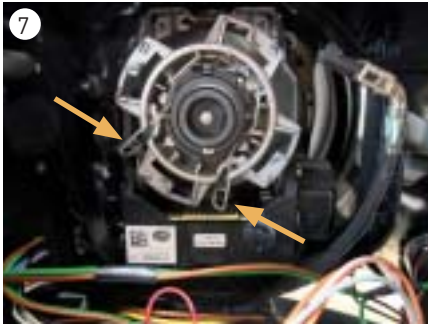


Low beam
(driver side/passenger side)

- Turn the covering cap anticlockwise and then remove it from the housing (see Fig. 5).



- Turn the ignition module anticlockwise and then remove the voltage supply cable from the module. (see Fig. 6).
- Carefully remove the ignition module from behind the xenon lamp.



→ release the spring wire bracket and carefully remove the xenon lamp from the back of the reflector (see Fig. 7).



High beam
(driver side/passenger side)

- Turn the covering cap anticlockwise and then remove it from the housing (see Fig. 8).
- Turn the grip socket anticlockwise and then remove it with the bulb from the back of the reflector (see Fig. 9).



Cornering light and position light
(driver side/passenger side)

- Turn the covering cap anticlockwise and then remove it from the housing (see fig. 10).



- Turn the H8 bulb socket anticlockwise and then remove it from the reflector (see Fig. 11, Point 1).
- Remove the position light bulb socket from the back of the reflector (see Fig. 11, Point 2).



Indicator

(driver side/passenger side)

- Pull the rail fixing the headlight in place up and off the guides until the grip socket can be accessed (see Fig. 12).
- Turn the grip socket anticlockwise and then remove it with the bulb from the reflector.



All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Opel / Vauxhall Corsa D 1.4 (year of manufacture 2007 and later)

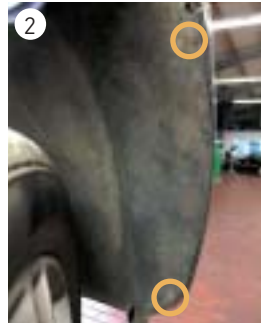


Low beam (driver side)

- Remove the bumper. To do so, unscrew the four screws (8 mm) on the top of the lock support (see Fig. 1).

Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



- Unscrew the two screws (Torx 20) on either side of the wheel well panel (see Fig. 2).



- Unscrew the lower fastening screws (5 x Torx 20) from the bumper (see Fig. 3).
- Remove the bumper from the front of the body. Caution! Disconnect the plug connector from the air quality sensor (if available).



→ Unscrew the fastening screws from the headlight (3 x 8 mm) (see Fig. 4 and 5) and then pull the headlight forwards a little out of the body.



→ Release the plug connector on the headlight and then disconnect it from the headlight (see Fig. 6).
→ Release the covering cap fastening clamps and then remove the cap from the headlight housing.



- Carefully remove the bulb with bulb plug from the back of the reflector (see Fig. 7).



High beam and position light (driver side)

- Pull the washer fluid reservoir nozzle up and off the guide and reservoir (see Fig. 8).
- Turn the covering cap anticlockwise and then remove it.
- The bulb can now be replaced.

Indicator (driver side)

- Remove the headlight (see low beam).
- Turn the bayonet socket anticlockwise and then remove it with the bulb from the reflector.



Low beam
(passenger side)

→ Unscrew the screws (Torx 25) from the intake duct and then remove the intake duct (see Figure 9).



→ Release the hose clamp on the air filter and then disconnect the intake hose from the air filter (see Fig. 10).



→ Pull the air filter up and off the guides (see Fig. 11 and 12).



- Release the covering cap fastening clamp and then remove the cap from the housing.

High beam and position light (passenger side)

- Unscrew the screws (Torx 25) from the intake duct and then remove the intake duct (see Figure 9).



- Turn the covering cap anticlockwise and then remove it.
- The bulb can now be replaced (see Fig. 13).

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Skoda Octavia 2.0 FSI with Bi-Xenon Headlights



Low beam, high beam, position light and indicator

(driver side/passenger side)

- Unscrew the plastic nut from the threaded bolt (see Fig. 1).

Replacing the light source

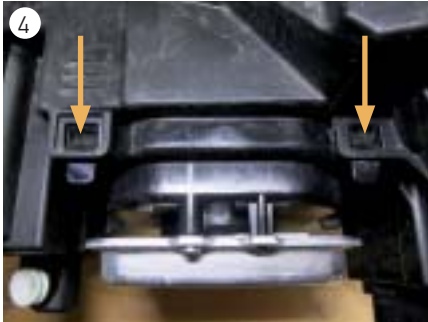
Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



- Push the small lever upwards and hold it in this position (see Fig. 2, Point 1).
- Next, pull back the stay bar (see Fig. 2, point 2).



- Remove the headlight from the front of the body (see Fig. 3).
- Disconnect the plug connector from the headlight.



Low beam

(driver side/passenger side)

- Release the upper and lower latches on the covering cap and then remove the cap (see Fig. 4.).

Caution! Pay attention to the ballast supply cable when removing the cap.



- Turn the ignition module anticlockwise and then carefully remove it from the reflector (see Fig. 5).
- Release the plug connector from the ignition module and then disconnect the cable.



High beam

(driver side/passenger side)

- Release the upper and lower latches on the covering cap and then remove the cap (see Fig. 6.).



→ Disconnect the plug from the bulb, release the spring wire bracket and remove the bulb from the reflector (see Fig. 7).



Indicator

(driver side/passenger side)

→ Turn the bayonet socket anticlockwise and then remove the bayonet socket with the bulb from the reflector (see Fig. 8).



Position light

(driver side/passenger side)

→ The xenon lamp must be removed to access the bulb (see low beam workflow).



→ Remove the grip socket with the bulb from the back of the reflector.

Caution! The grip socket should make an audible sound when it correctly snaps into place during installation (see Fig. 10).

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Skoda Roomster 1.9 TDI with Bi-Halogen Headlights



Low beam, high beam and indicator (driver side)

→ The light source can be replaced easily.

Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



Position light (driver side)

→ The battery must be removed to provide enough space to replace the bulb (see Fig. 1).



→ The bulb socket is installed deep in the headlight and can only be seen with a mirror (see Fig. 2). The bulb socket is fitted tightly in the reflector. As the bulb socket is tightly fitted in the reflector and the access opening is small, use of needle nose pliers is recommended for disassembly.

Low beam and high beam (passenger side)

→ The light source can be replaced easily.



Indicator (passenger side)

→ To have enough space for your hand, remove the fuel filter hose from the bracket and then push it to the right (see Fig. 3). The bayonet socket is now accessible.



Position light (passenger side)

→ Remove the cooling water reservoir. To do so, disconnect the plug connector on the reservoir (see Fig. 4).



→ 5. Disconnect the cable guide from above the threaded bolt and then unscrew the fastening screws (2 x 10 mm) (see Fig. 5).



→ 6. Unscrew the screws (2 x 10 mm) and then remove the metal bracket (see Fig. 6).



→ 7. Remove the threaded bolts (2 x 10 mm) from the coolant reservoir (see Fig. 6) and then put them to one side (see Fig. 7).



→ Remove the rubber cap from the position light. The bulb socket is installed deep in the headlight. Carefully detach the bulb socket from the back of the reflector with a pair of needle nose pliers (see Fig. 8).

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

Toyota Auris Hybrid



Replacing the light source

Follow the procedure below to replace the light source in this vehicle. Start by turning off the ignition.



Low beam, high beam, position light and indicator (driver side)

→ The light source can be replaced easily.

Low beam, position light and indicator (passenger side)

→ The light source can be replaced easily.

High beam (passenger side)

- Remove the coolant reservoir. Unscrew the screws (2 x 10 mm) and then pull the reservoir up and off the guide (see Fig. 1).
- Put the reservoir to one side on the right.



- Now there is enough space to reach the light source with your left hand (see Fig. 2).



- Turn the light source (H8) anticlockwise and then remove it from the reflector (see Fig. 3).
- Disconnect the plug connector from the light source and then replace the light source.

All disassembled parts must be reinstalled in logical order. Check the lighting system is functioning properly. Check the headlight settings and adjust if necessary.

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