



96 – Lights, bulbs, switches - interior

1 12 V socket

1.1 Removing and installing 12 V socket



Caution

If excessive force is exerted on sockets without illumination, the retaining sleeve may be damaged.

Only illuminated sockets (cigarette lighter) can be removed with the puller T 40148.

The puller does not manage to release the locking lugs of sockets without illuminated retaining sleeve.

Usually sockets without illumination cannot be removed without being damaged.

Refer to removing and installing cigarette lighter -U1-
⇒ [page 72](#) .

1.2 Removing and installing socket illumination bulb -L42-

The removal of the socket illumination bulb -L42- is performed in the same way as the removal of the cigarette lighter illumination bulb -L28- ⇒ [page 76](#) .



2 Cigarette lighter -U1-

The following descriptions apply to the rear left cigarette lighter -U3-, rear right cigarette lighter -U7-, rear cigarette lighter -U9-, 12 V socket 2 -U18-, 12 V socket 3 -U19-, 12 V socket 4 -U20-, cigarette lighter 2 -U25- and 12 V socket 5 -U26- so far as they are illuminated.



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2.1 General description



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Usually sockets without illumination cannot be removed without being damaged.



On some vehicles, the illumination is not provided by a light bulb, but by an LED (light-emitting diode), depending on the equipment level. This LED is permanently attached to the retaining sleeve and cannot be renewed separately.

Retaining sleeves with a light bulb are available in different versions. On the one version, the light bulb can be replaced separately; on the other version, the light bulb cannot be replaced separately. In this case, the bulb carrier has to be replaced together with the light bulb.

Depending on the space requirement, the vehicles are equipped with various electric sockets and cigarette lighter sockets. They differ in length and have different electrical connections. In the case of electric sockets or cigarette lighter sockets with a wiring tail, it may be necessary to perform additional work in order to gain access to the connector.



2.2 Assembly overview



Caution

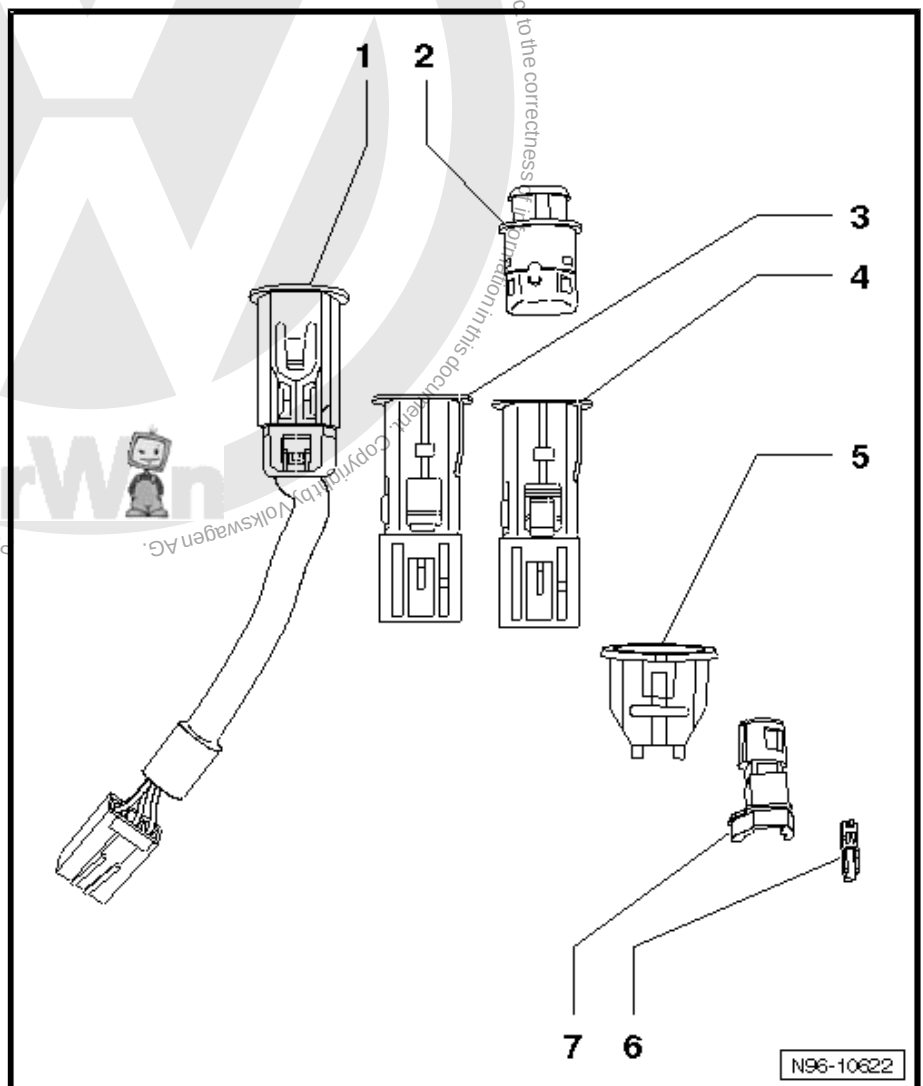
If excessive force is exerted on sockets without illumination, the retaining sleeve may be damaged.

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- 1 - Cigarette lighter socket with wiring tail
- 2 - Cigarette lighter
- 3 - Socket
- 4 - Cigarette lighter socket
- 5 - Retaining sleeve
- 6 - Light bulb W 5 12 V 1.2 watt
- 7 - Bulb carrier





2.3 Removing and installing cigarette lighter socket



Note

The removal and installation procedure is the same for all sockets and is therefore described here only for the cigarette lighter socket.



Caution

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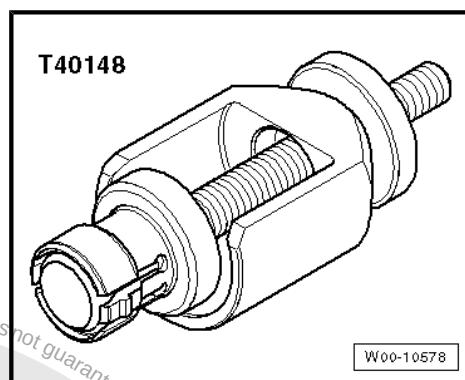
Only illuminated sockets (cigarette lighter) can be removed with the puller T 40148.

The puller does not manage to release the locking lugs of sockets without illuminated retaining sleeve.

Usually sockets without illumination cannot be removed without being damaged.

Special tools and workshop equipment required

- ◆ Puller -T 40148-



Removing

- Remove cigarette lighter, dummy cigarette lighter etc. from socket if necessary.



Note

For reasons of clarity, the socket is removed in the illustration.



Caution

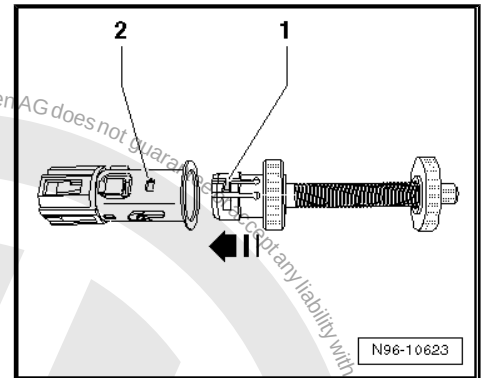
The socket or the retaining sleeve can be damaged.

Ensure that the puller is seated correctly, otherwise the retaining lugs of the retaining sleeve will not be released.



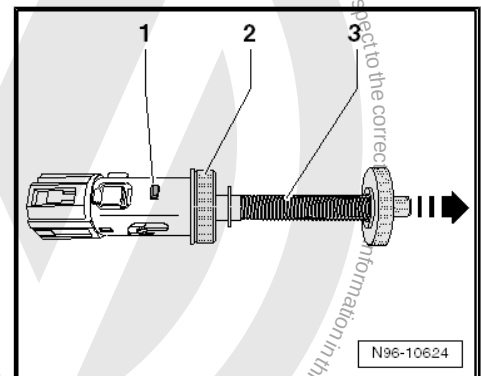


- Push puller -arrow- into socket so that locking lugs -1- engage in recesses -2-.



- Pull grip -3- in direction of -arrow- to release locking lugs of retaining sleeve.
- Pull socket out of retaining sleeve using puller.

Caution
*The socket wiring can be damaged.
Take care not to stretch the wiring when pulling out the socket.*



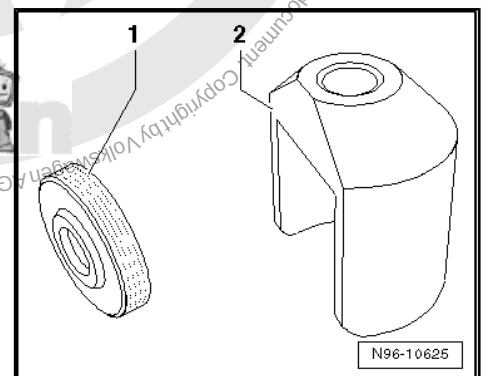
Depending on the fitting location, it is recommended to use the thrust piece 40148/1 -2- with the knurled nut -1-.

Caution
When using the thrust piece, ensure that no surrounding components are damaged.

- Pull off socket connector.

Note

Depending on the space requirement, the vehicles are equipped with various electric sockets and cigarette lighter sockets. They differ in length and have different electrical connections. In the case of electric sockets or cigarette lighter sockets with a wiring tail, it may be necessary to perform additional work in order to gain access to the connector.





- Release puller locking lugs by pressing spindle -1- in direction of -arrow B-. Then release puller -2- by turning it briefly to left -arrow A-. Remove puller from socket.



Note

Ensure that the puller locking lugs are not spread.

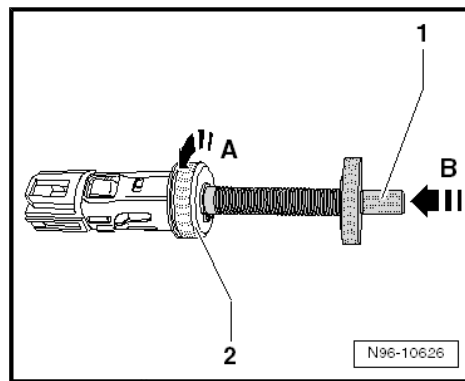


Caution

The cigarette lighter might be ejected out of the socket after the heating phase.

When the puller is mounted, the socket retaining springs are pressed apart and the retaining force is reduced.

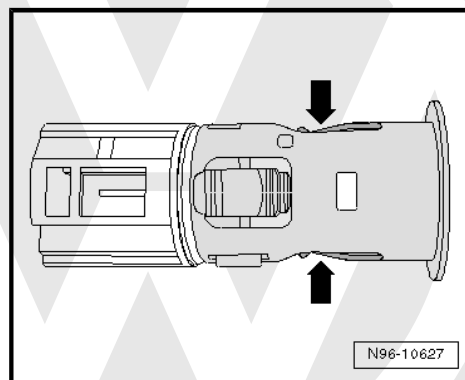
After removing the socket, carefully press the retaining springs together and check if the cigarette lighter remains in the removal position after the heating phase.



- Carefully press socket retaining springs together -arrows-.
- Check if cigarette lighter remains in removal position after heating phase and ensure it is not ejected in vehicle interior.

Installing

Install in reverse order of removal.



2.4 Removing and installing cigarette lighter illumination bulb -L28-



Note

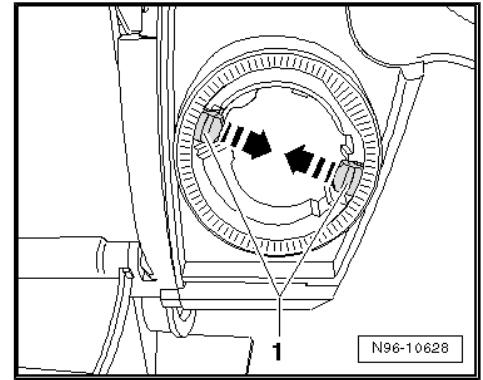
- ◆ On some vehicles, the illumination is not provided by a light bulb, but by an LED (light-emitting diode), depending on the equipment level. This LED is permanently attached to the retaining sleeve and cannot be renewed separately.
- ◆ Retaining sleeves with a light bulb are available in different versions. On the one version, the light bulb can be replaced separately; on the other version, the light bulb cannot be replaced separately. In this case, the bulb carrier has to be replaced together with the light bulb.

Removing:

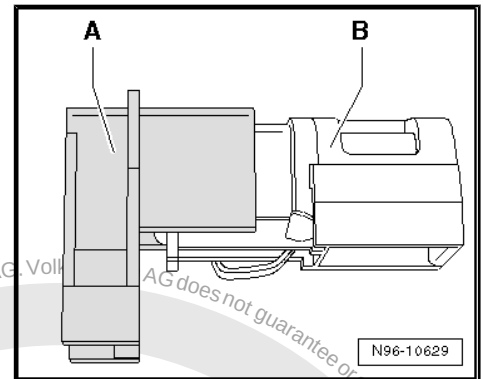
- Remove socket ➔ [page 74](#) .



- Press retaining lugs -arrows- and remove retaining sleeve together with bulb carrier.
- Unclip bulb carrier from retaining sleeve.



- Separate bulb carrier in areas -A- and -B-.
- Open part -B- of bulb carrier.



- Remove light bulb in direction of -arrow-.

Installing:

Installation is carried out in reverse order of removal.

