

Installation instructions

Audi Universal Traffic Recorder

Audi A1 2011 ►;
Audi A1 2019 ►; Audi A3 2017 ►
Audi A3 2020 ►; Audi A4/A5 2008 ►
Audi A4 2016 ►; Audi A5 2017 ►
Audi A6/A7 2011 ►; Audi A6/A7 2015 ►
Audi A6/A7 2018 ►; Audi e-tron GT 2021 ► Audi
A8 2014 ►; Audi A8 2019 ►
Audi TT 2015 ►; Audi TT 2018 ►
Audi Q2 2017 ►; Audi Q3 2015 ►
Audi Q3 2019 ►; Audi Q4 e-tron 2022 ►
Audi Q5 2013 ►; Audi Q5 2017 ►
Audi Q7 2015 ►; Audi Q8 2019 ►
Audi e-tron 2019 ►; Audi Q6 e-tron 2024 ►
Audi A5 2025 ►; Audi A6 2025 ►;
Audi Q3 2025 ►; Audi Q5 2025 ►

Wiring harness 4G0.063.511.AA
for scope of delivery
4G0.063.511.A, 4G0.063.511.G and
4K0.063.511.A Audi Genuine Accessories

Edition 01

Installation instructions

Audi Universal Traffic Recorder

Audi A1 three-door models 2011 ►

Audi A1 Sportback 2012 ►

Audi A1 (PA) three-door models 2015 ►

Audi A1 (PA) Sportback 2015 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

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CAUTION

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NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines

 **CAUTION**

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

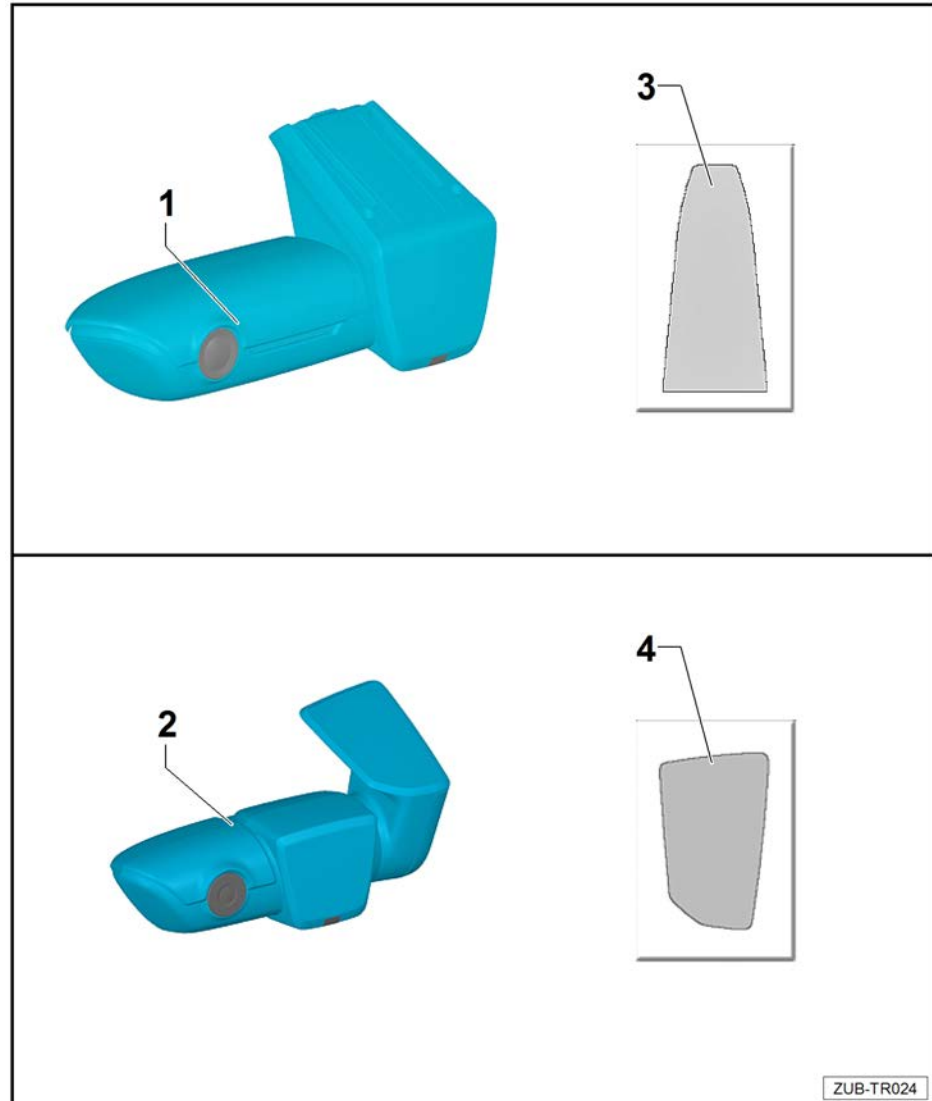
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

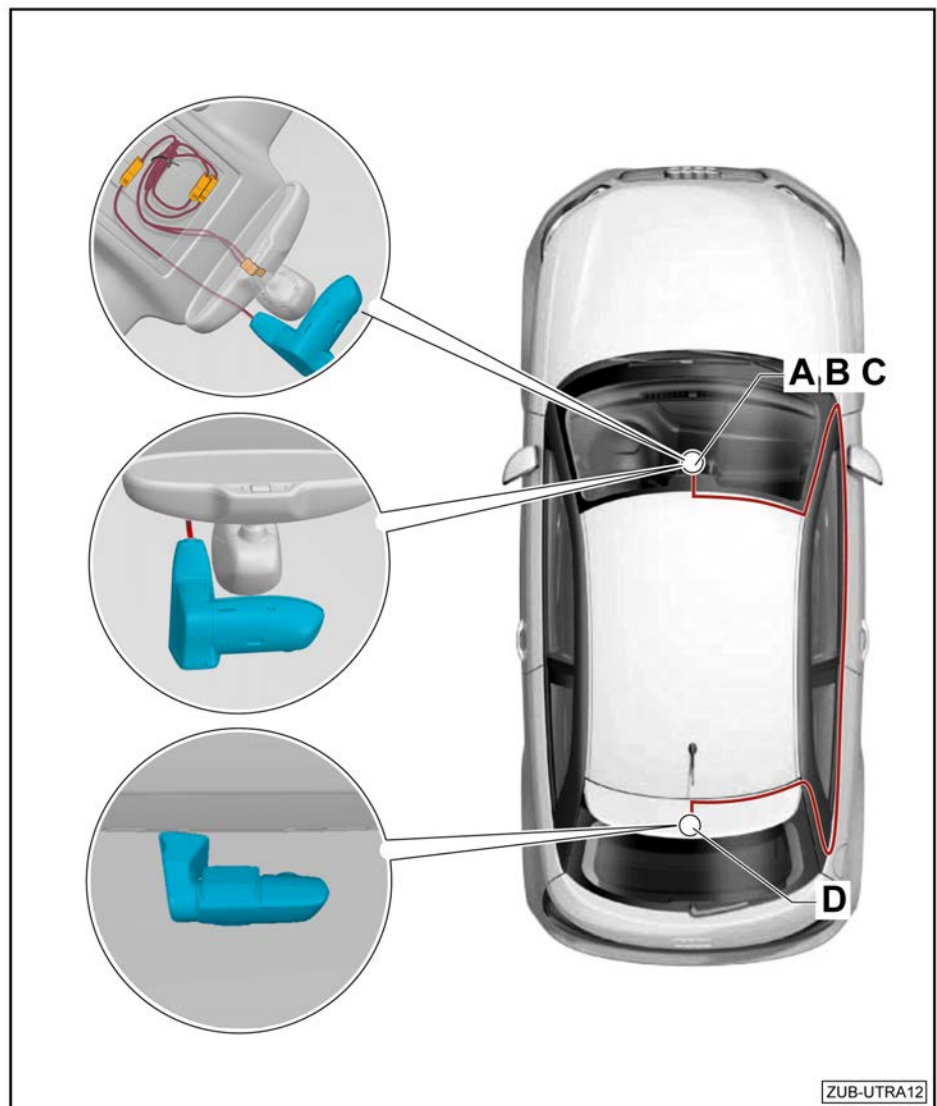
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

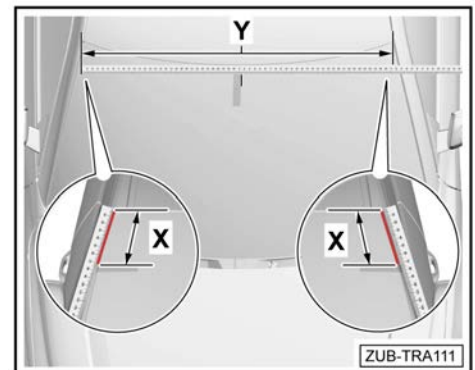
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

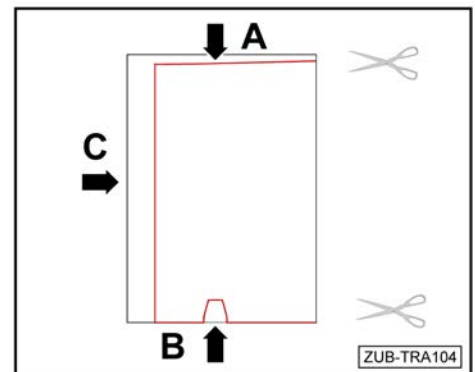
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

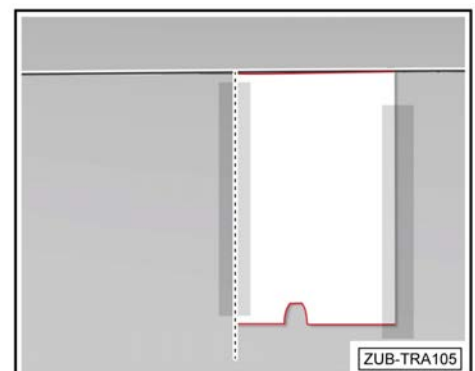


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



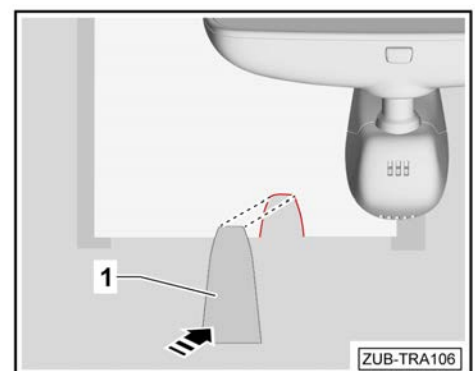
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



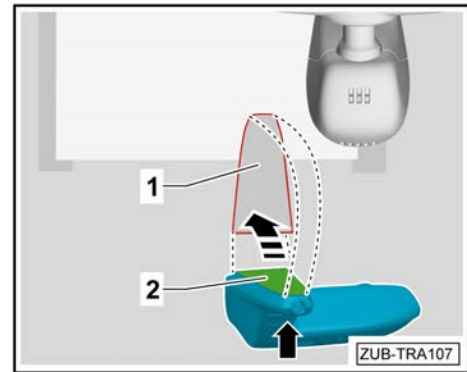


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



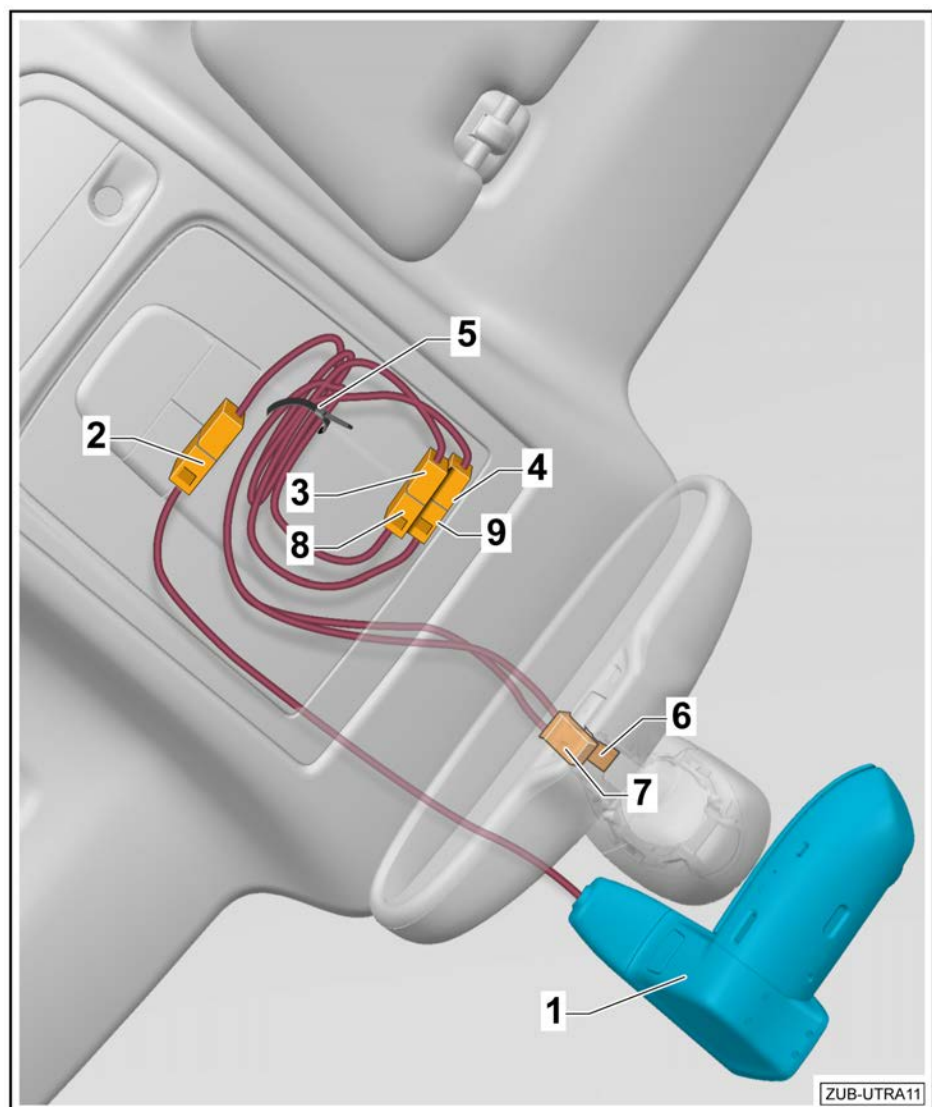
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

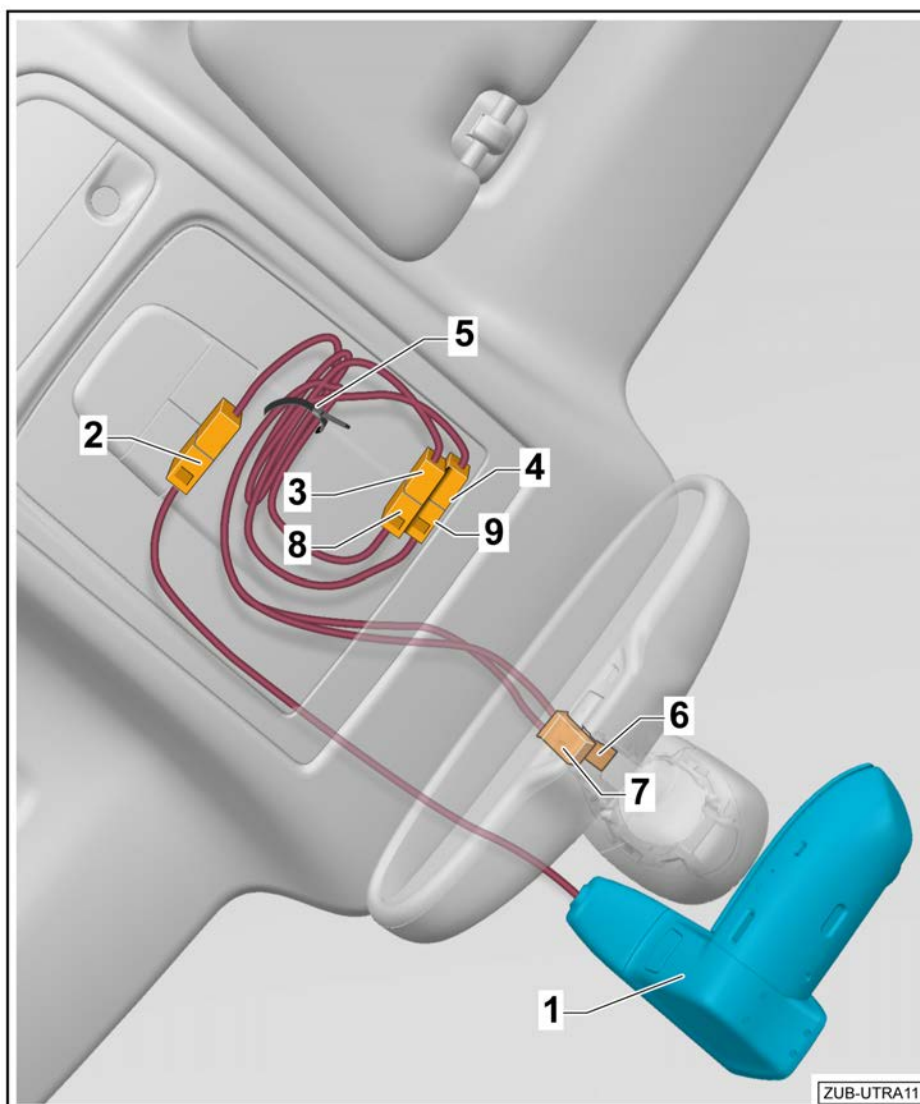
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

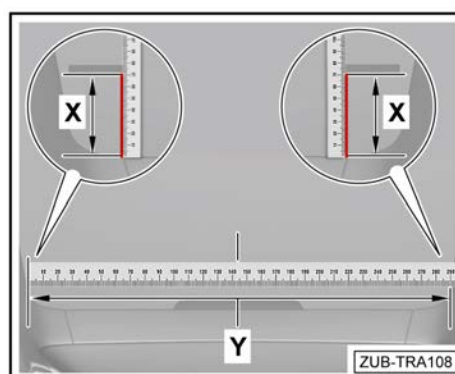
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

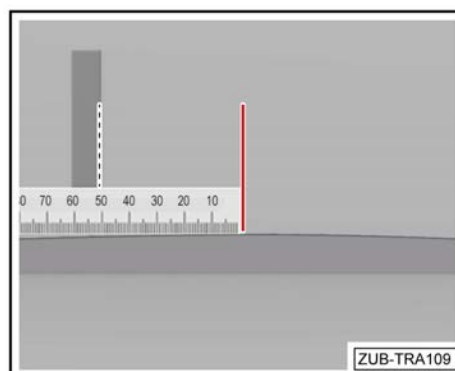
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

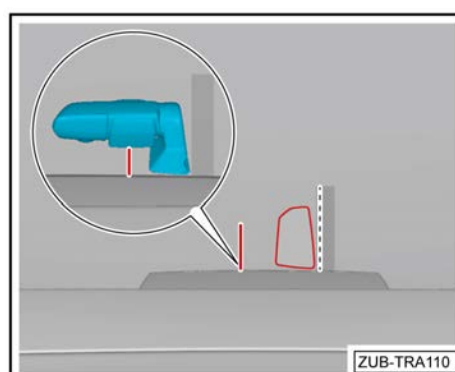
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

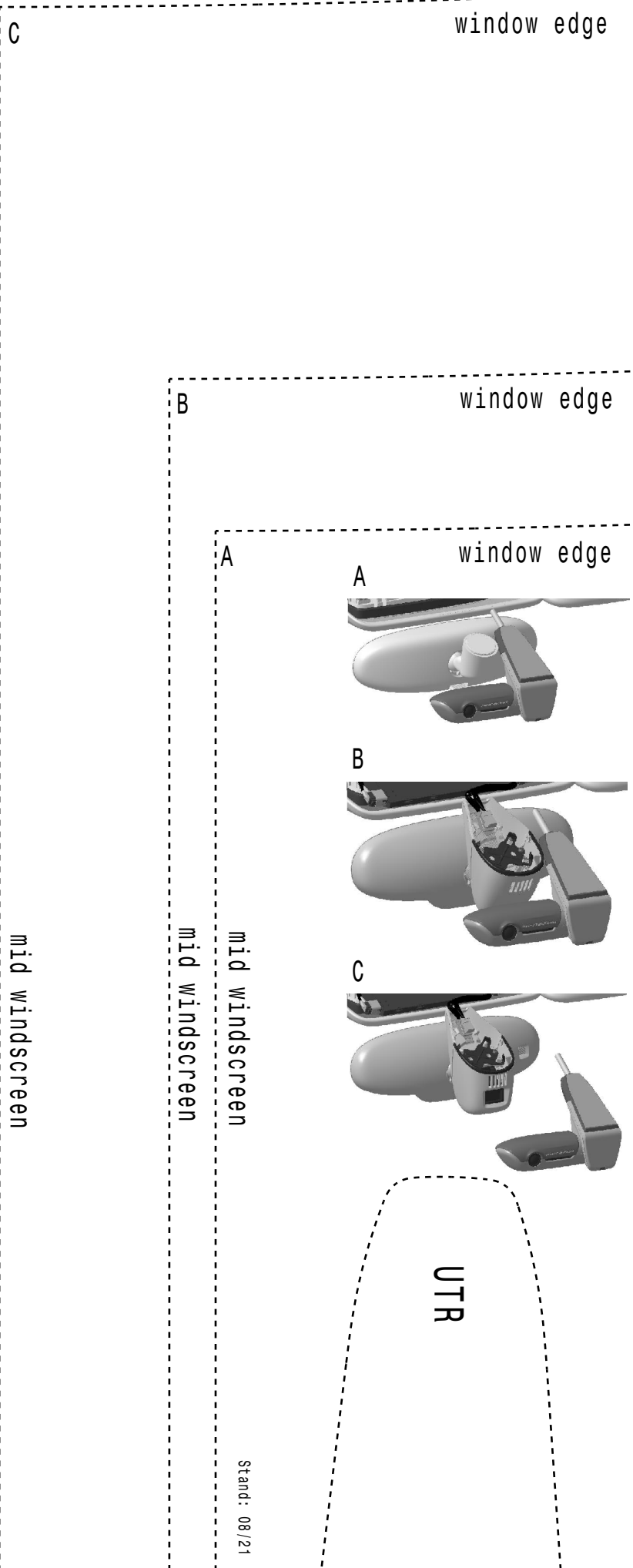
5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A1 3-Doors (8X) - AU210
Audi A1 Sportback (8X) - AU210/1
Audi A1 3-Doors PA (8X) - AU220
Audi A1 Sportback PA (8X) - AU220/1



Note:

When printing this template
don't make any format adaption!

Check dimensional change!

Nominal size: 100mm

Installation instructions

Audi Universal Traffic Recorder

Audi A1 2019 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

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2 Safety instructions

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3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines

CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

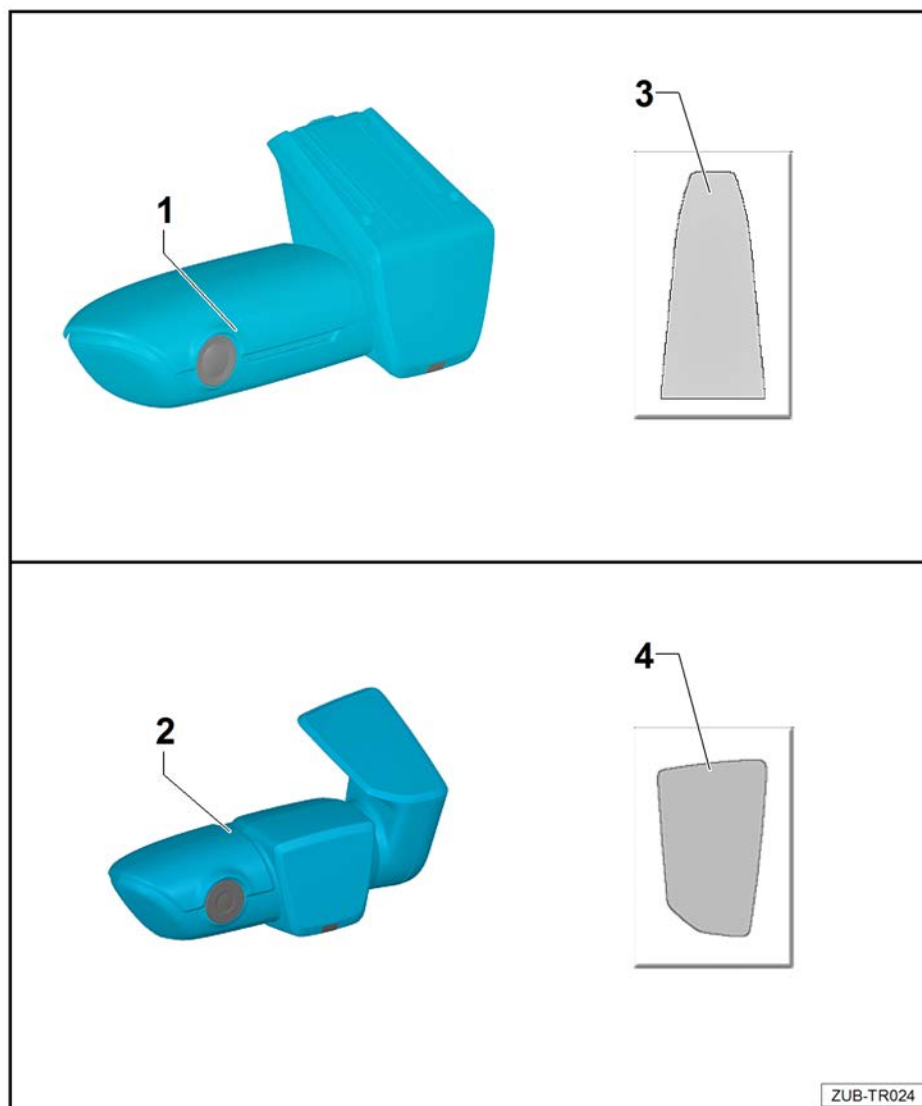
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

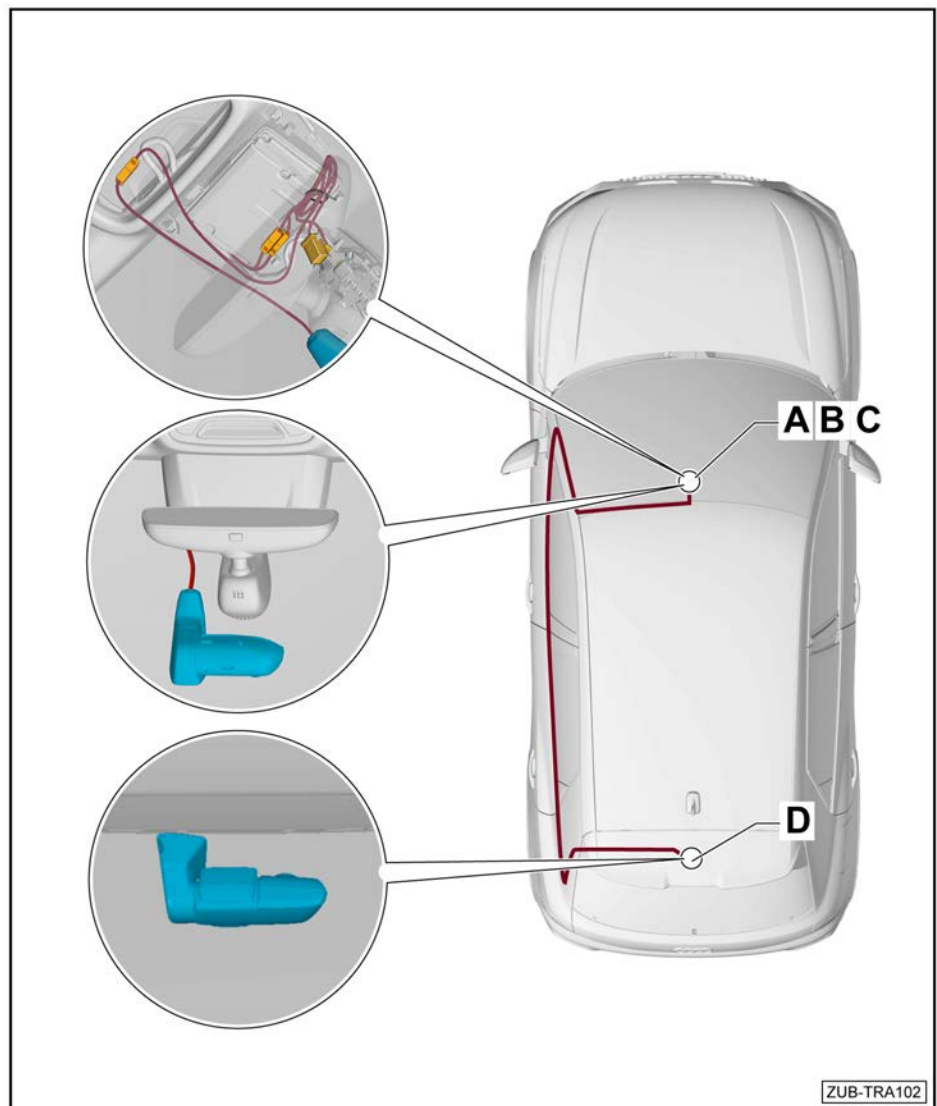
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

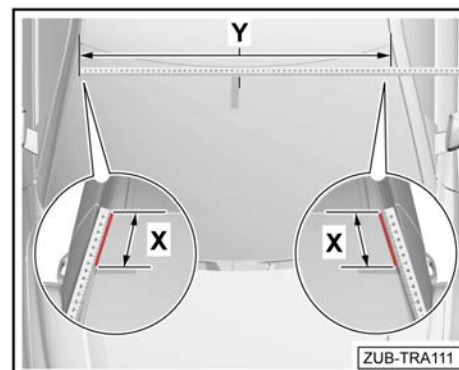
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

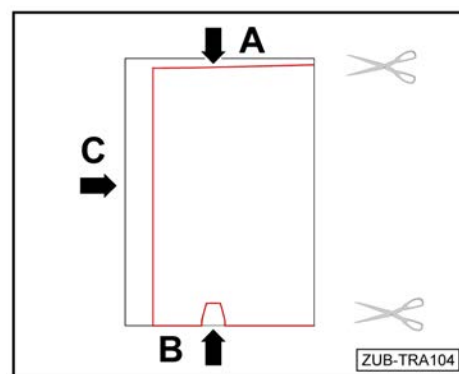
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

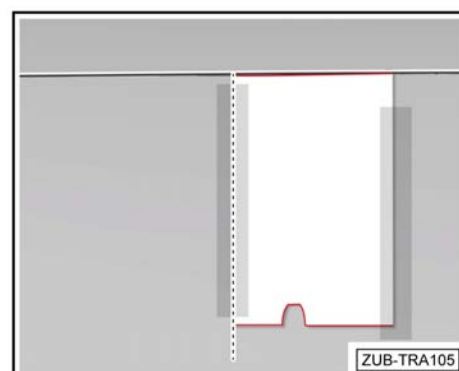


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



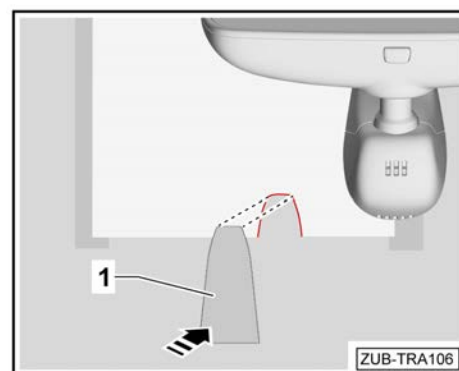
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



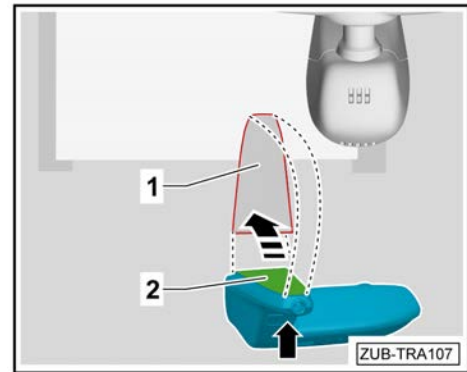


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the windscreen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



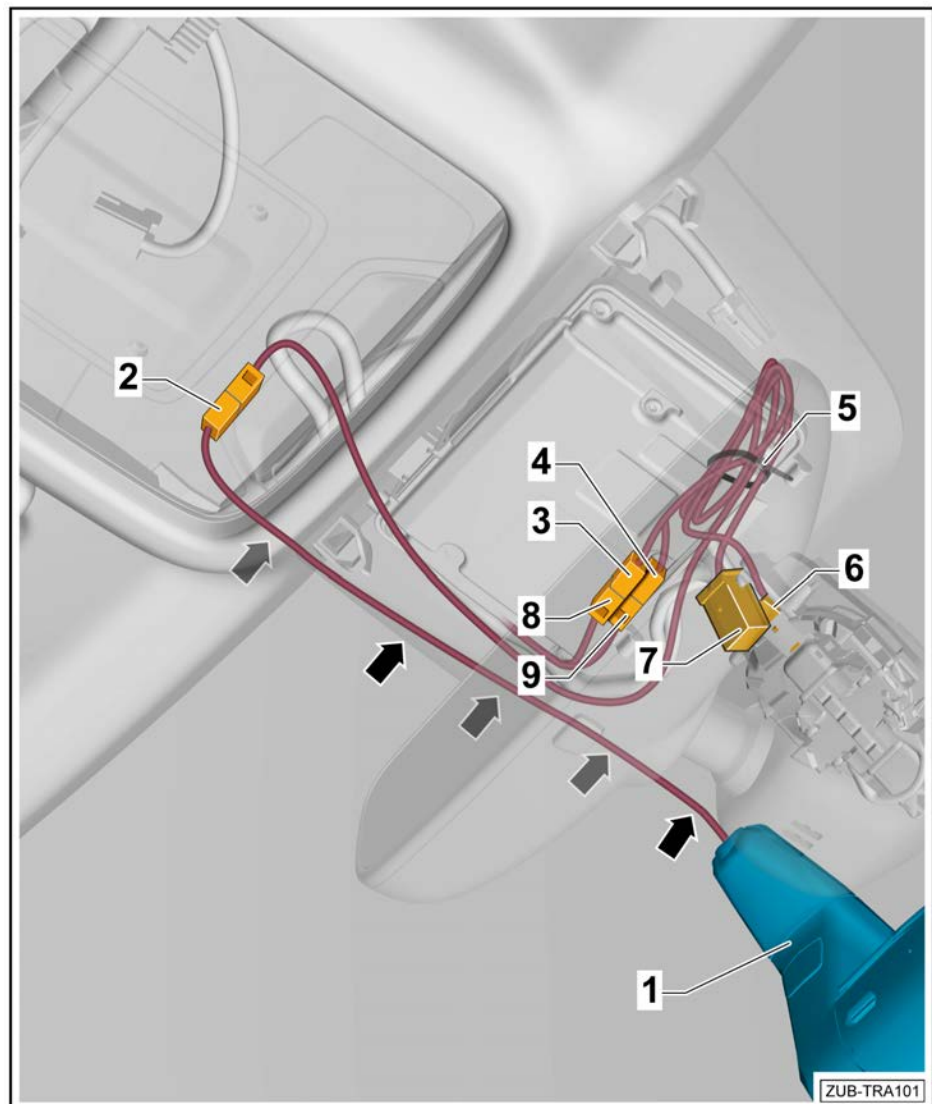
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

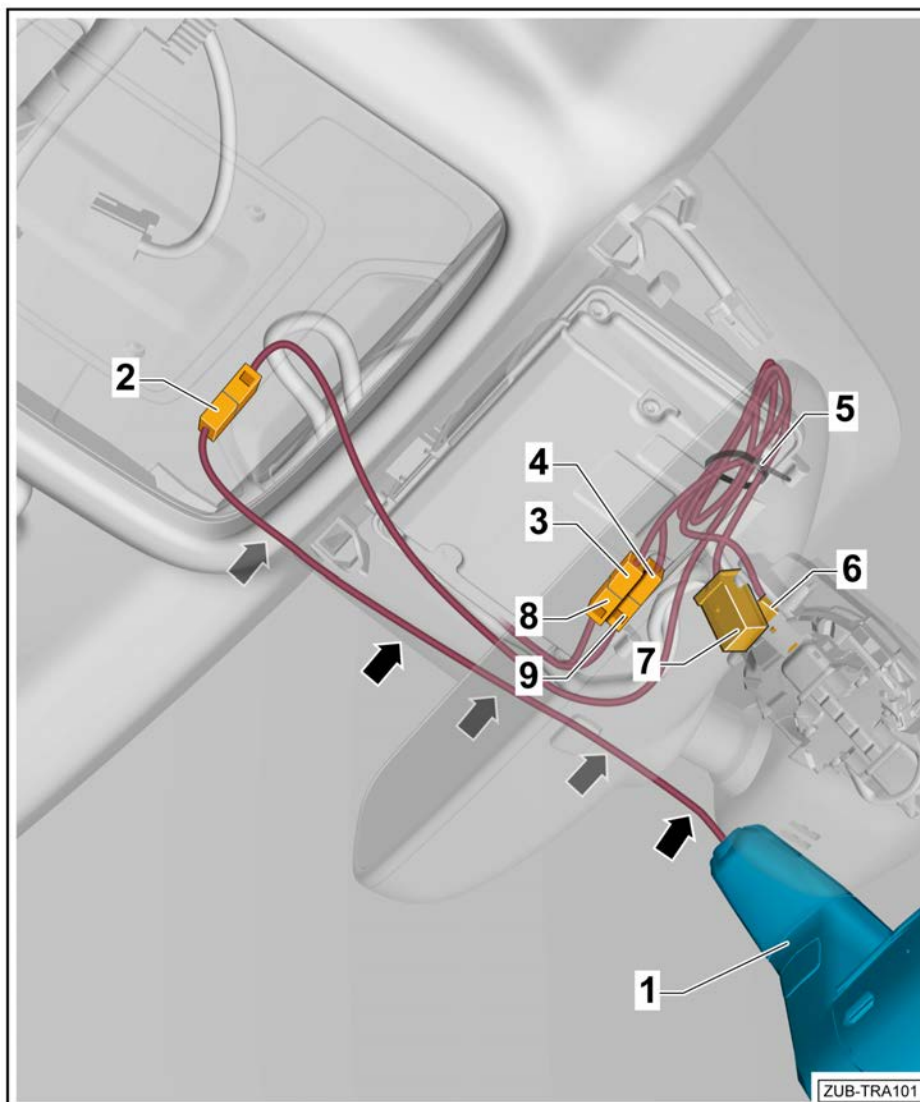
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

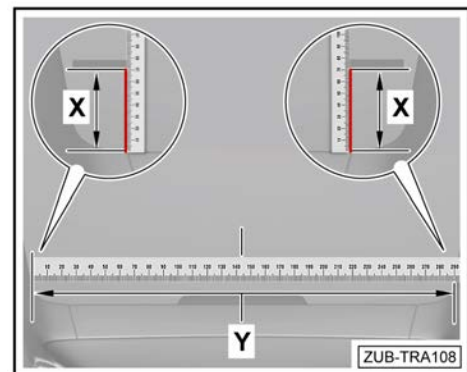
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

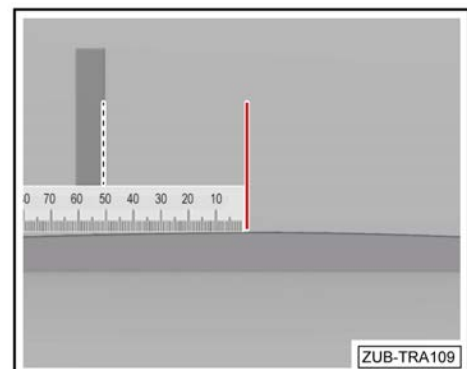
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

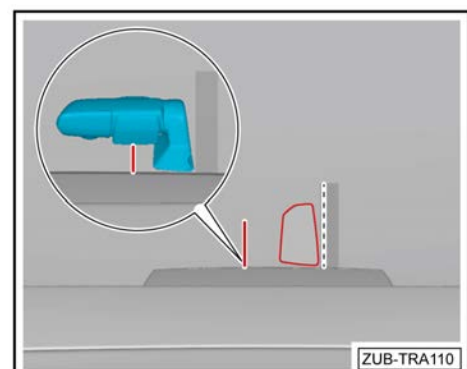
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

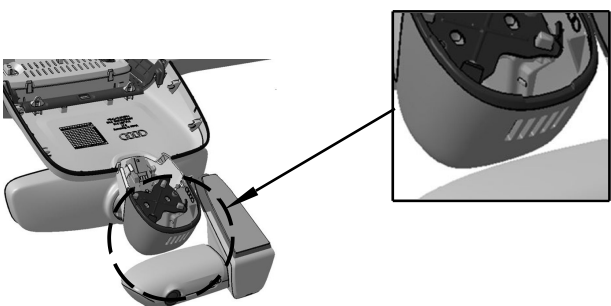
If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A1 (GB) - AU273

Stand: 11/18

Note:
When printing this template
don't make any format adaption!



window edge

Check dimensional change!

Nominal size: 100mm

STR

mid windscreen

Installation instructions

Audi Universal Traffic Recorder

Audi A3 3-door models 2017 ►

Audi A3 Saloon 2017 ►

Audi A3 Sportback 2017 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.

DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.

WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.

CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.

NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines

CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

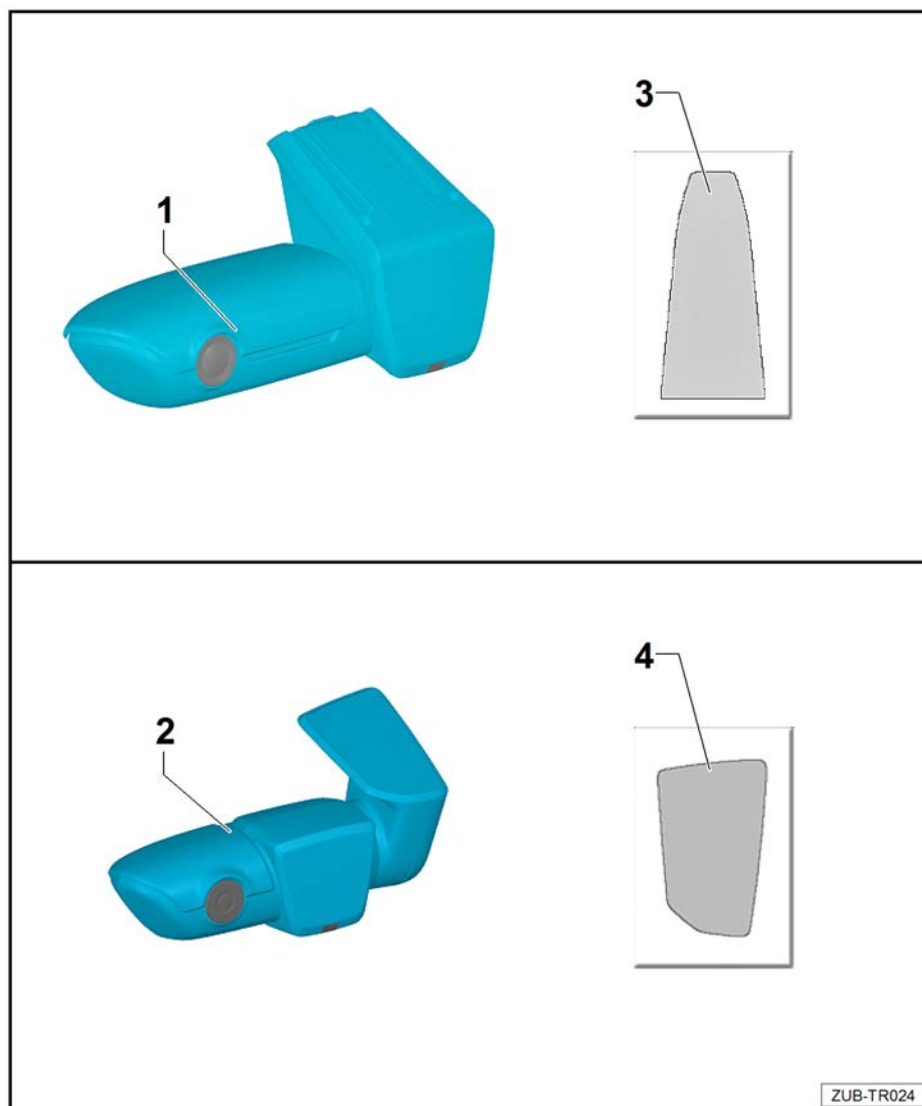
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions



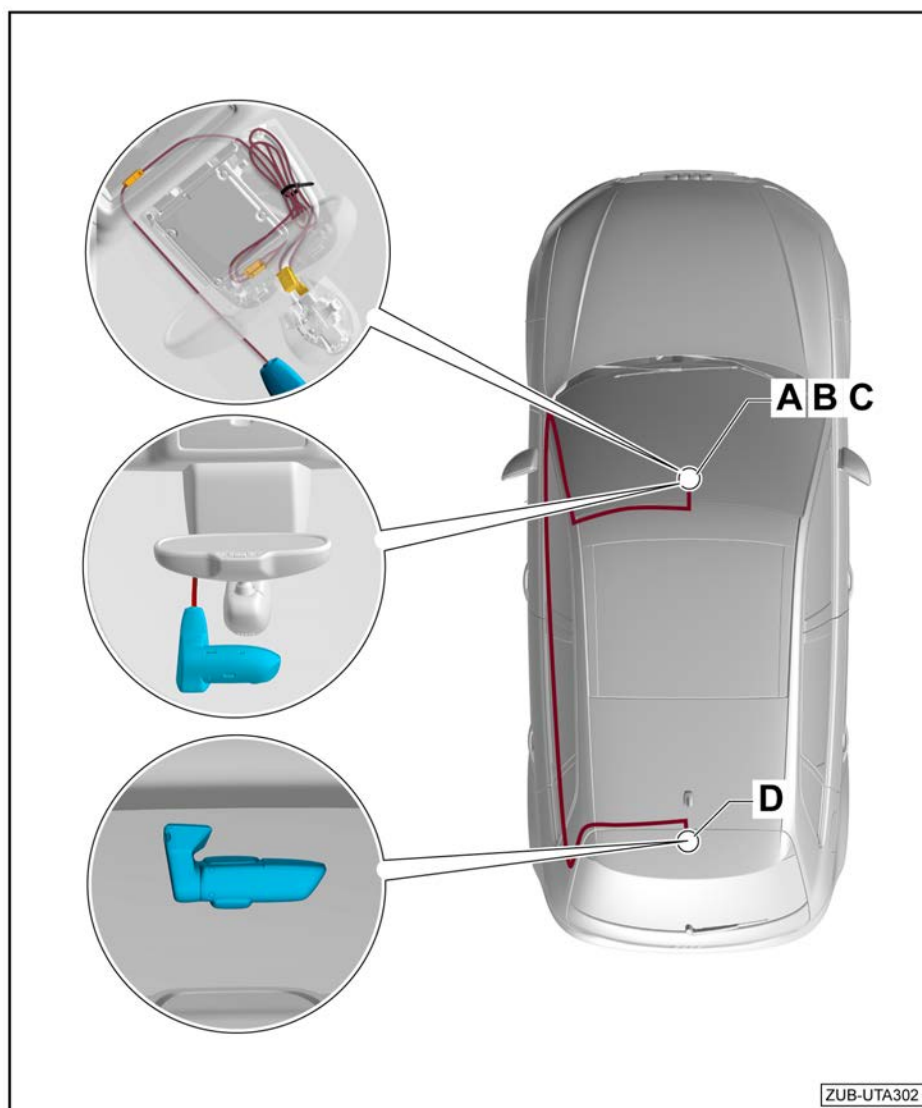
Not included in the scope of delivery, must be ordered separately: UTR wiring harness 4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

Applies to vehicles with a wide mirror base and vehicles with a narrow mirror base

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- If necessary, remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

Print out the template.

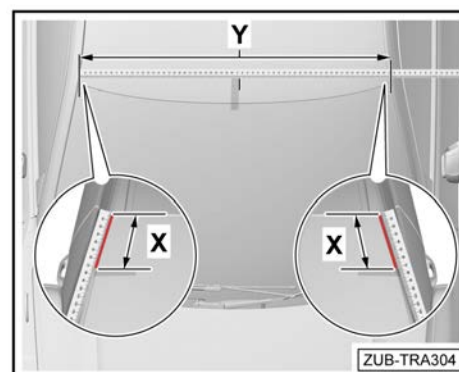
The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.



If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

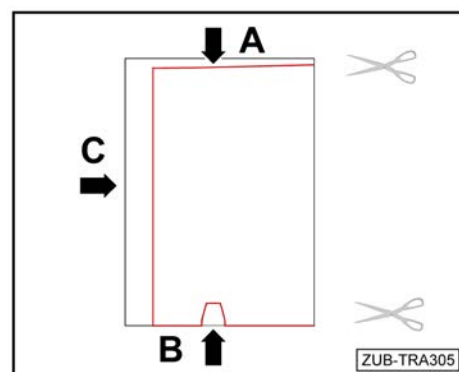
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

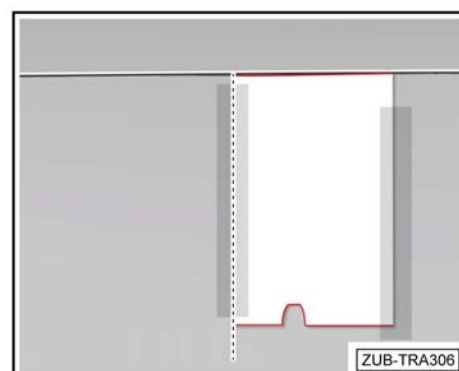


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



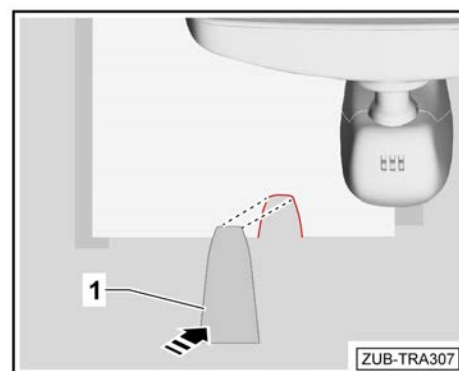
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



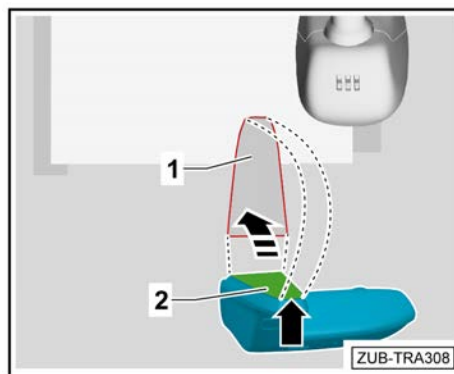


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



TIP:

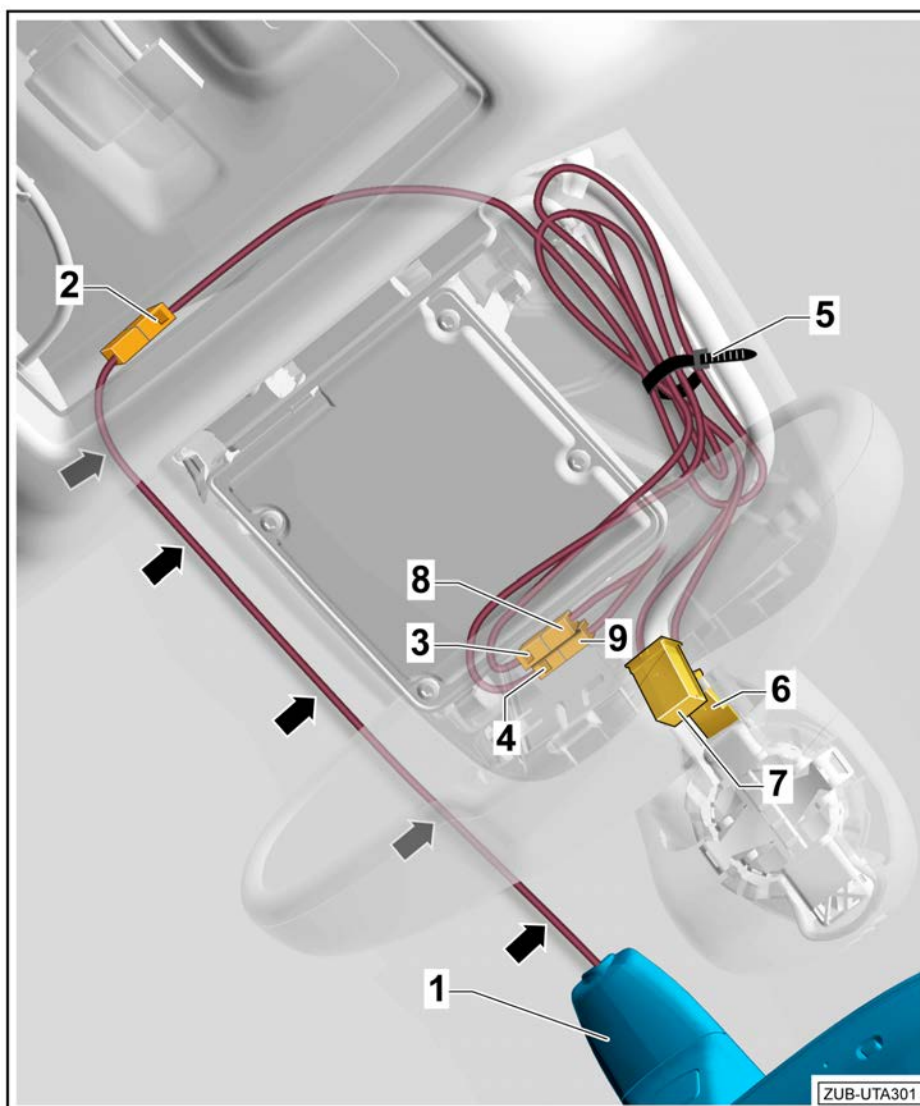
For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!



5.3 Connecting the UTR wiring harness

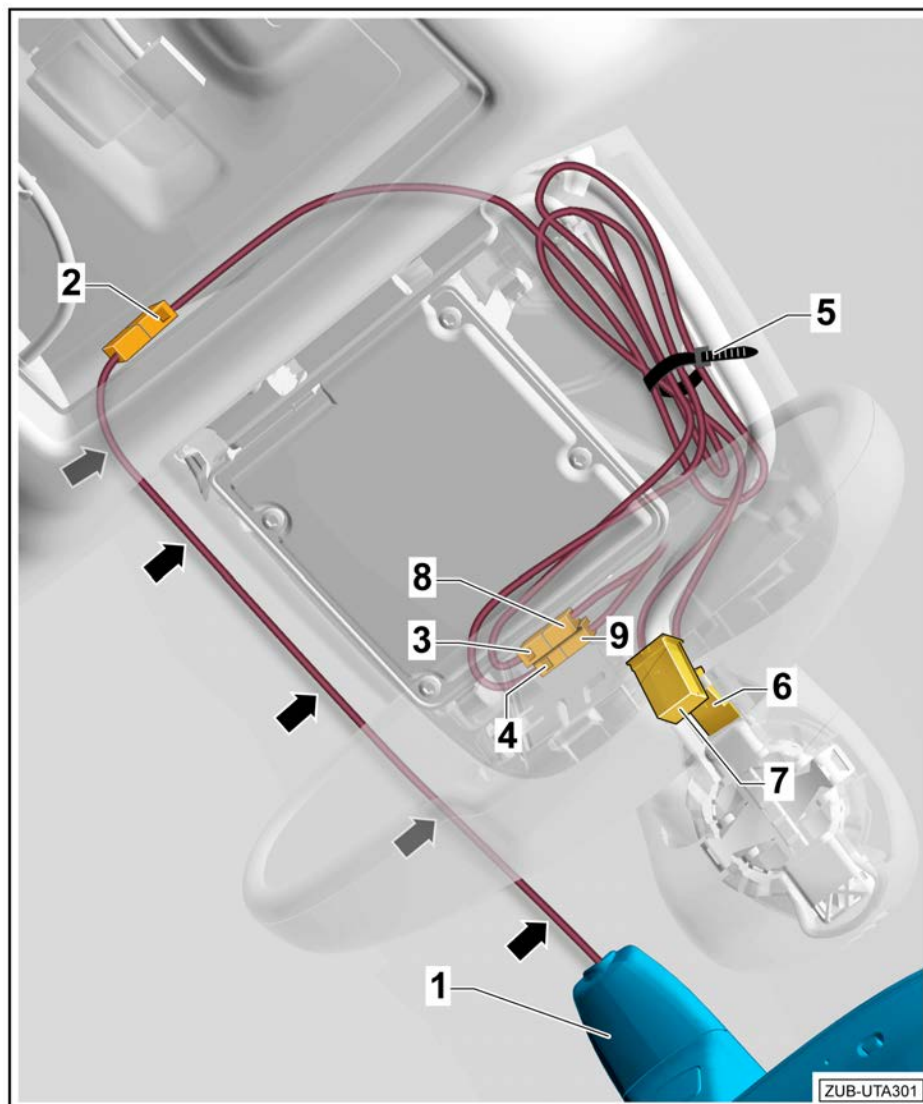
Applies to vehicles with a wide mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.





- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Applies to A3 3-door models, A3 Sportback

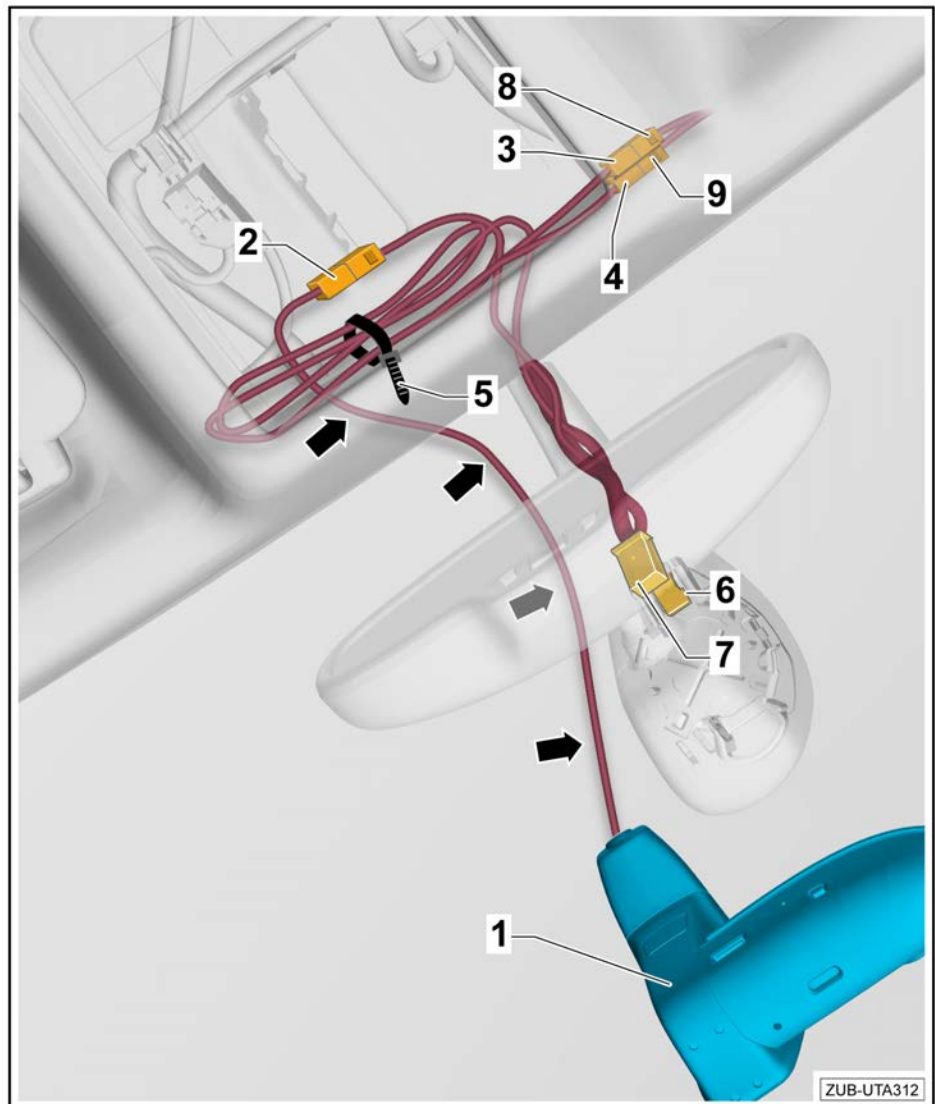
NOTICE

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

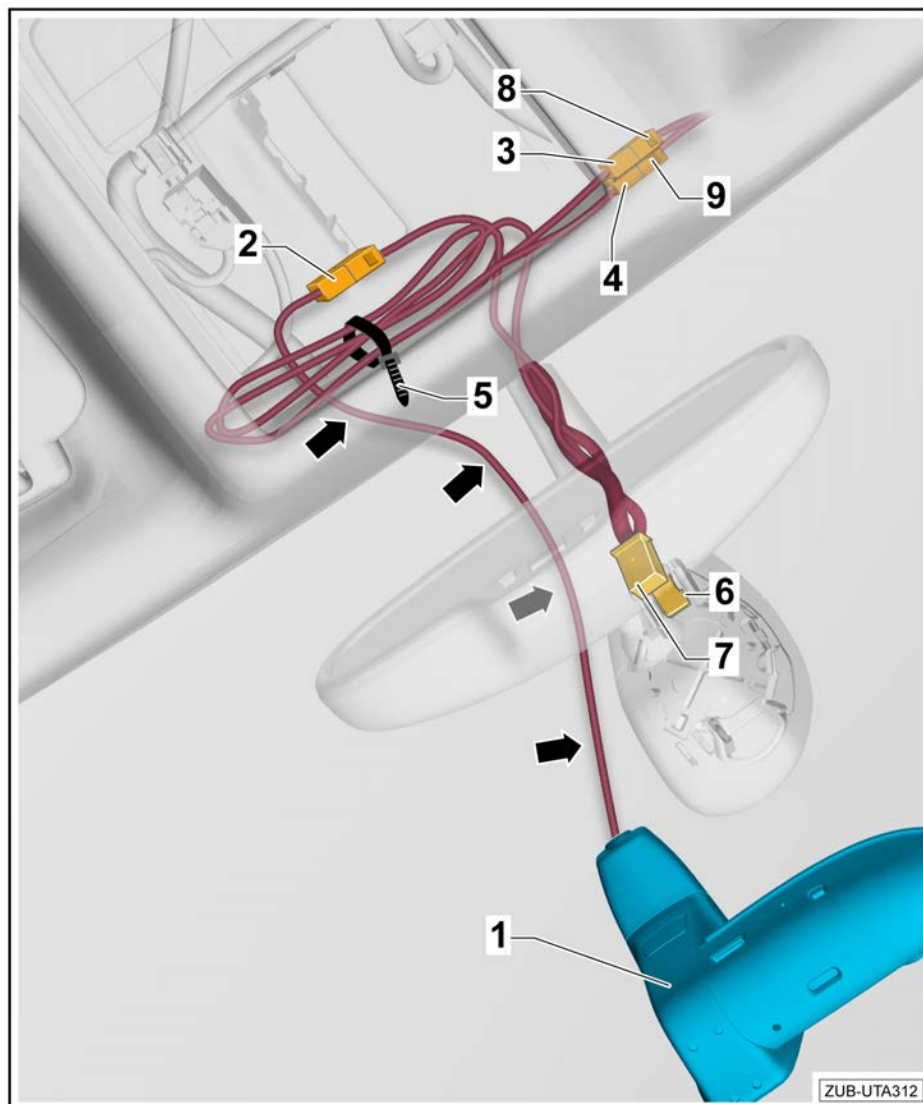
5.4 Connecting the UTR wiring harness

Applies to vehicles with a narrow mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Applies to A3 3-door models, A3 Sportback

NOTICE

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

- Route the wire further along to the assembly position of the rear camera and allow the wire to hang.



5.5 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.6 Installing the rear camera for the A3 Saloon

Conditions

The room temperature must be 20°C +/- 4 C.

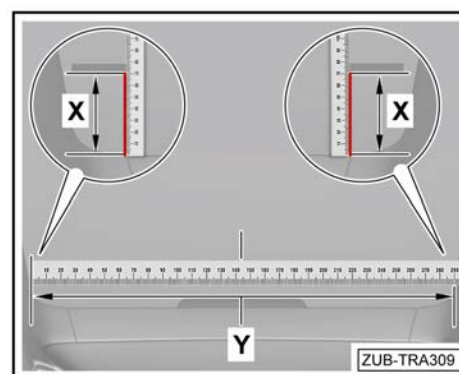
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

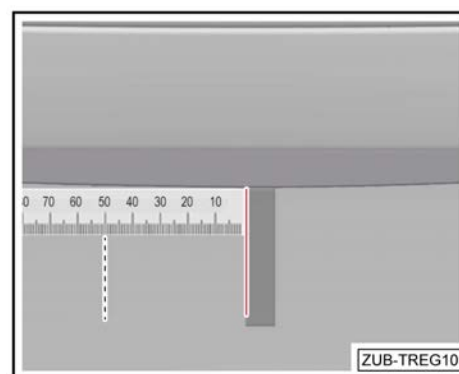
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

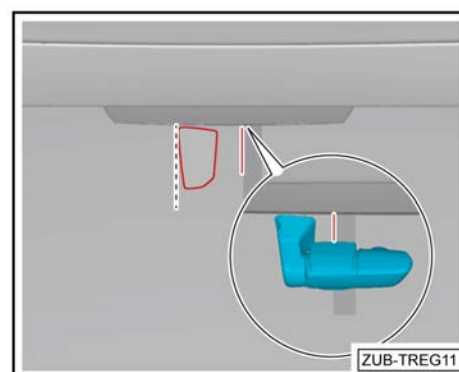


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:



Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.7 Installing the rear camera for the A3 Sportback, A3 3-door models

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

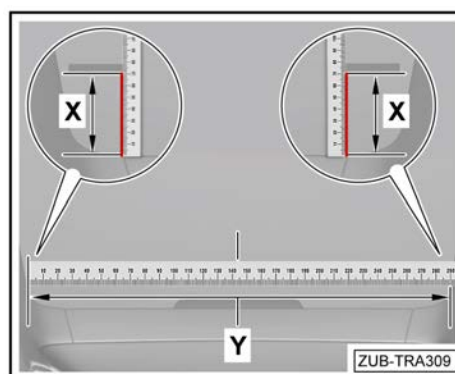
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

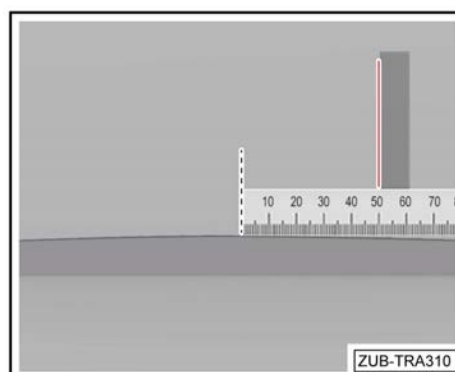
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

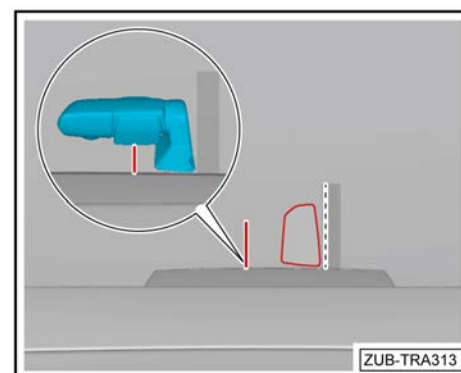


-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.





-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

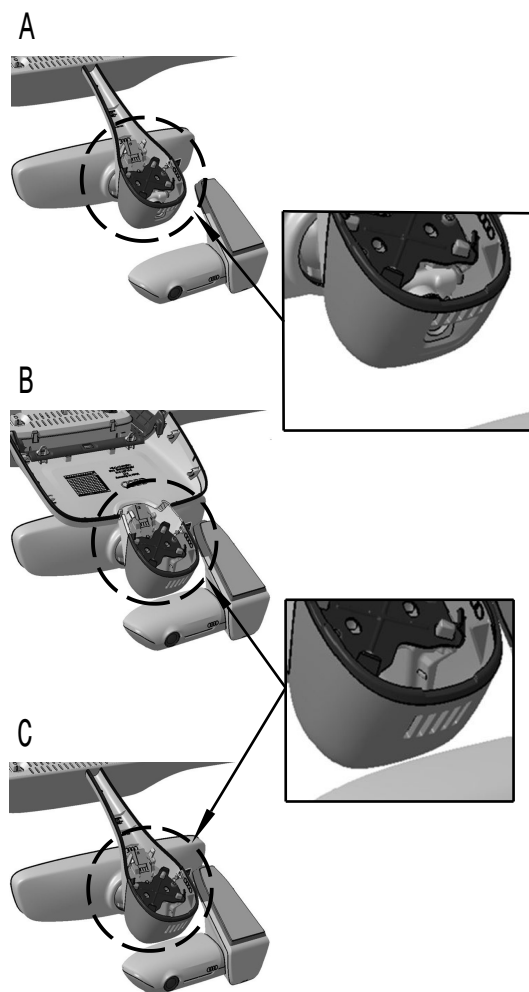
5.8 Concluding operations

– Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
 - ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
 - ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
 - ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A3 3-Doors (8V) - AU370 PA
Audi A3 Sportback (8V) - AU373 PA



Note:
 When printing this template
 don't make any format adaption

window edge

window edge

window edge

B

C

A

B

C

STR

mid windscreen

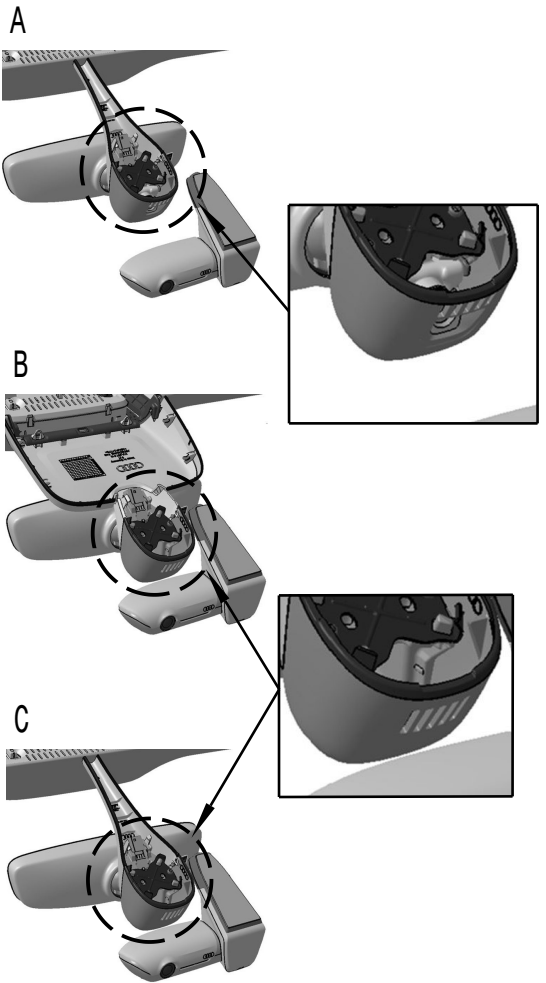
mid windscreen

Check dimensional change!

Nominal size: 100mm

A

Audi A3 sedan (8V) - AU371 PA



Note:
When printing this template
don't make any format adaption

STR

window edge

window edge

window edge

B

C

mid windscreen

mid windscreen

Check dimensional change!

Nominal size: 100mm

Installation instructions

Audi Universal Traffic Recorder

Audi A3 Saloon 2020 ►

Audi A3 Sportback 2020 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

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CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

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Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines

CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

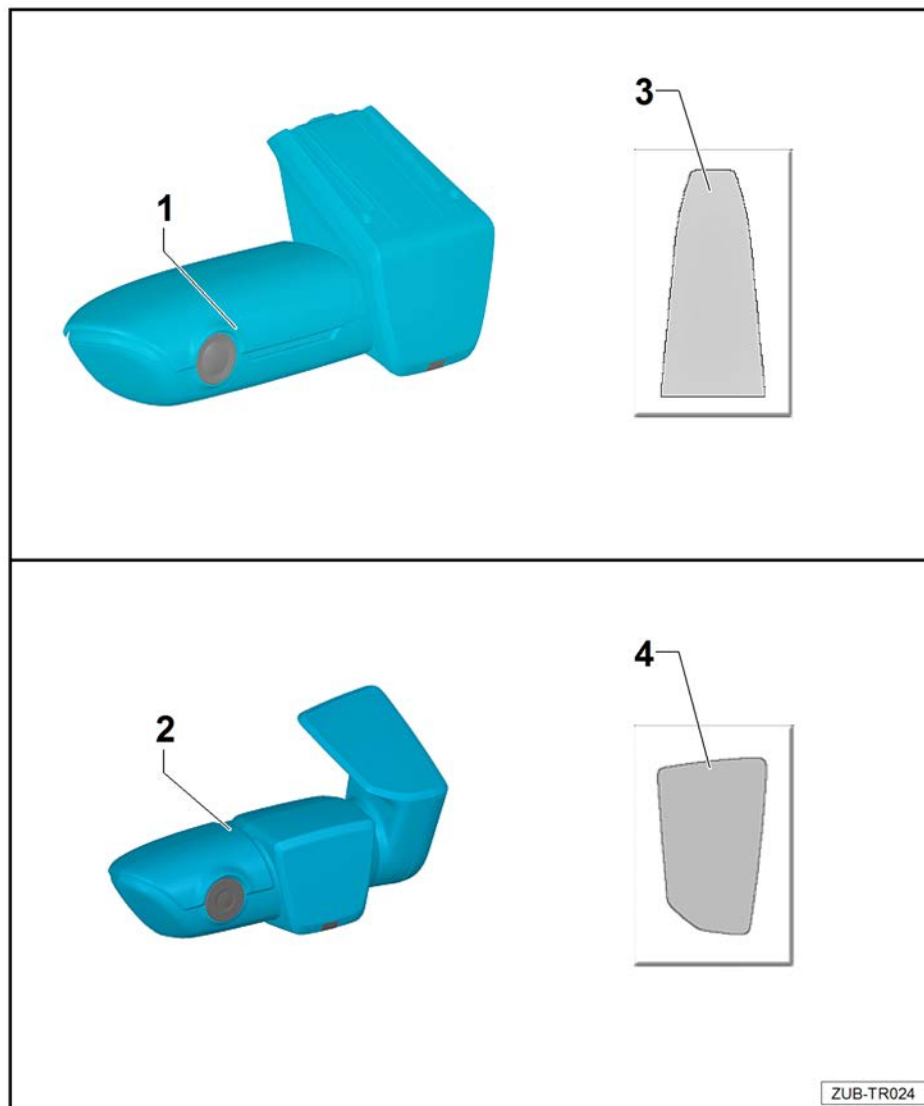
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

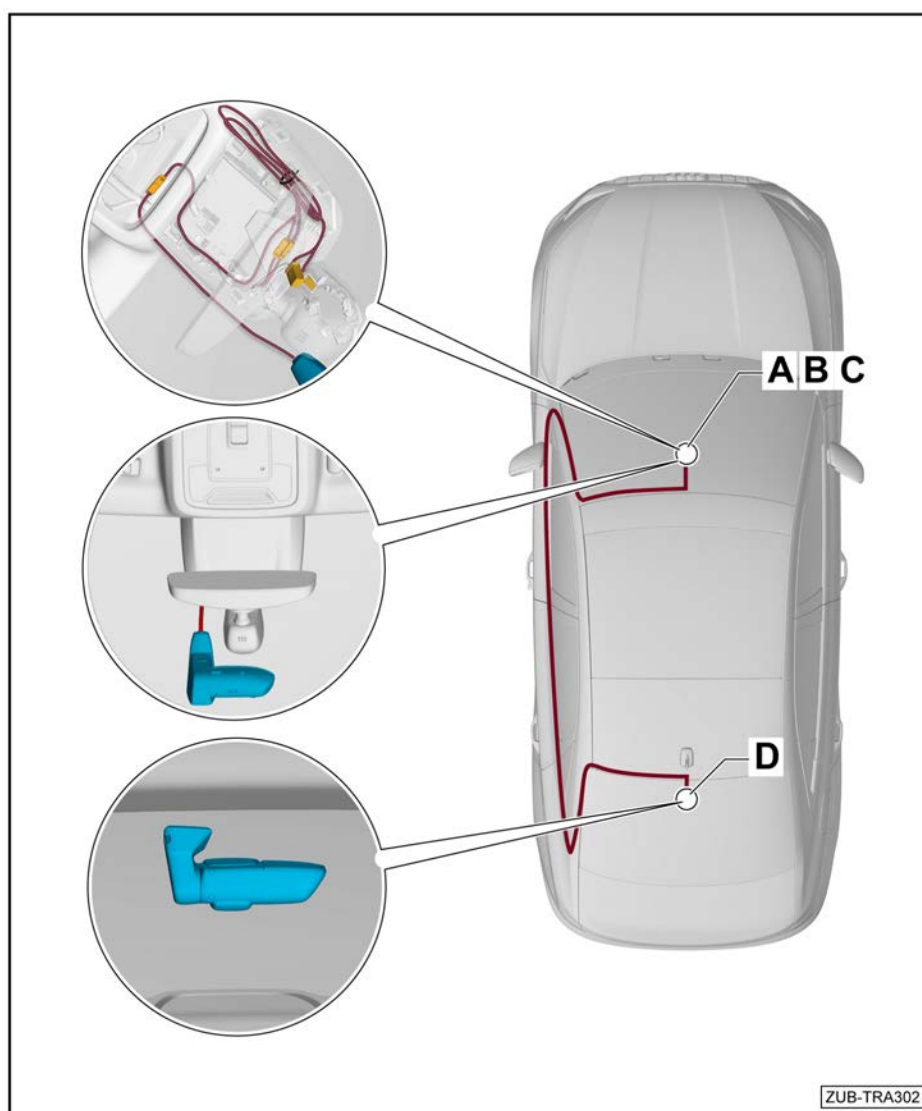


Not included in the scope of delivery, must be ordered separately: UTR wiring harness 4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- If necessary, remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

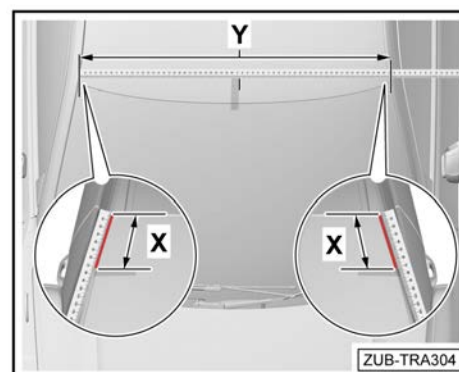
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

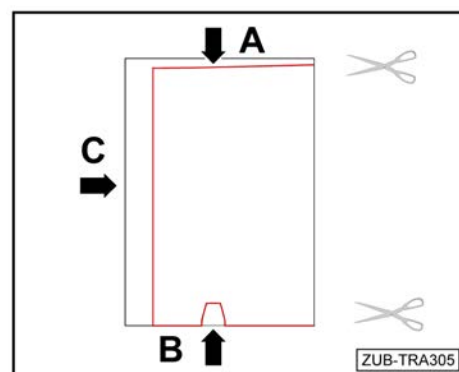
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

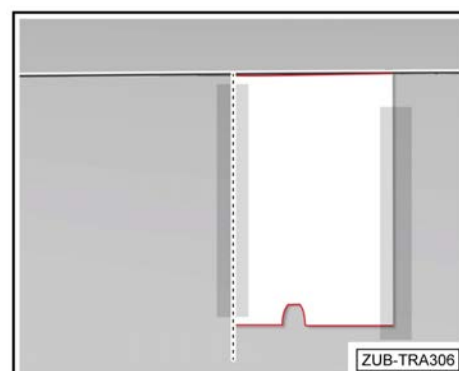


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



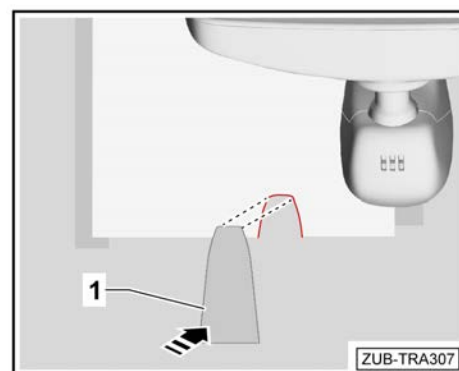
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



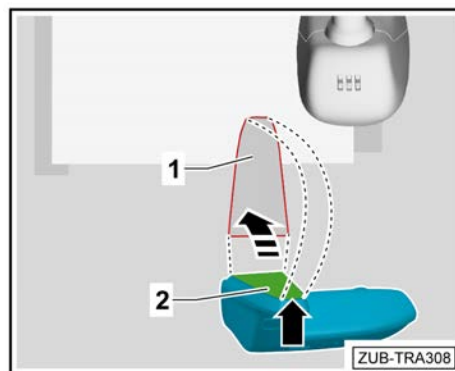


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the windscreen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



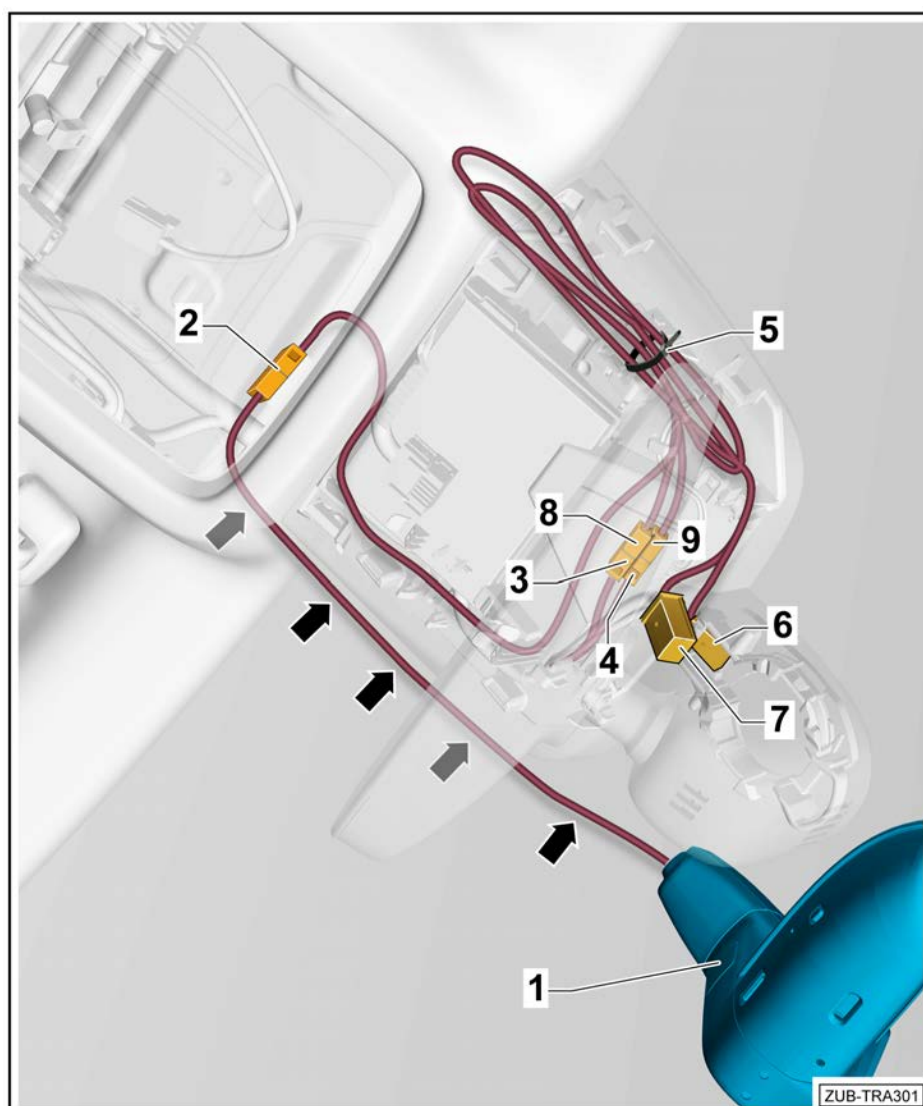
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

5.3 Connecting the UTR wiring harness

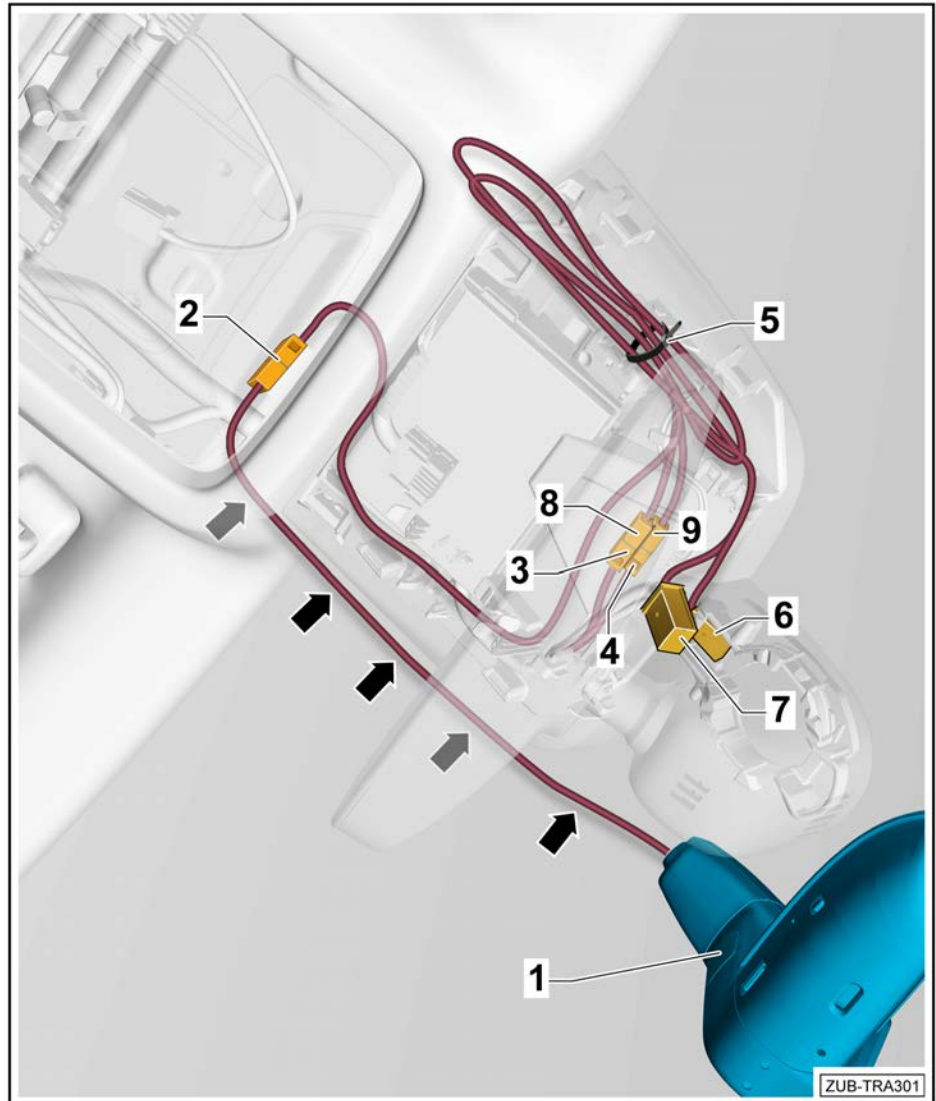
Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.





- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Applies to the A3 Sportback

NOTICE

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

- Route the wire further along to the assembly position of the rear camera and allow the wire to hang.



5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera for the A3 Saloon

Conditions

The room temperature must be 20°C +/- 4 C.

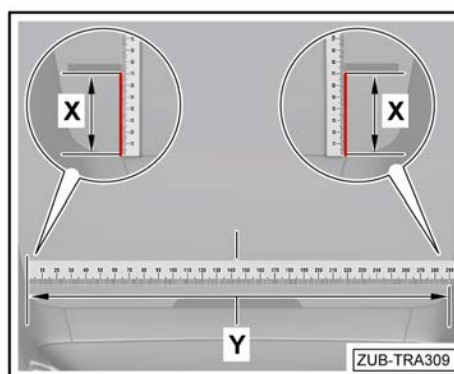
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

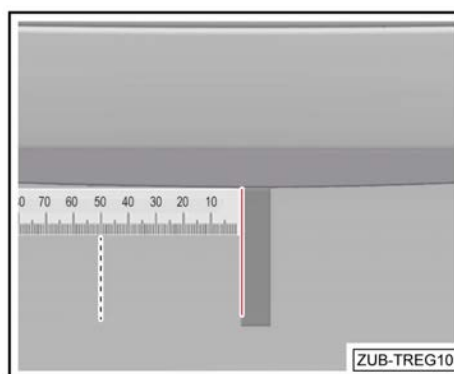
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

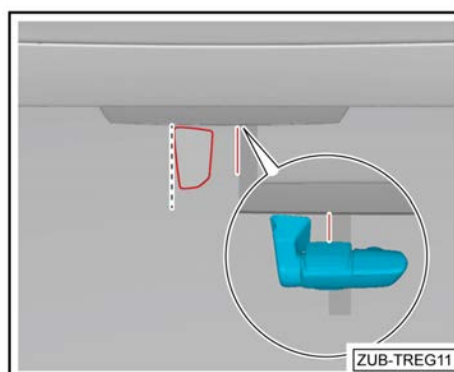


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:



Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.6 Installing the rear camera for the A3 Sportback

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

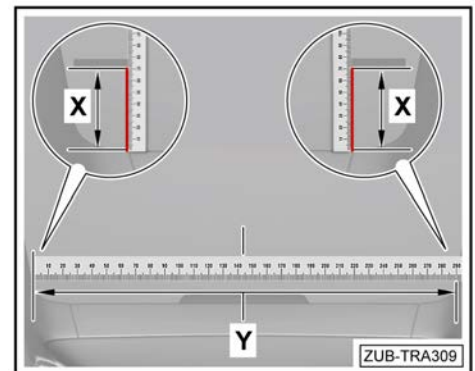
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

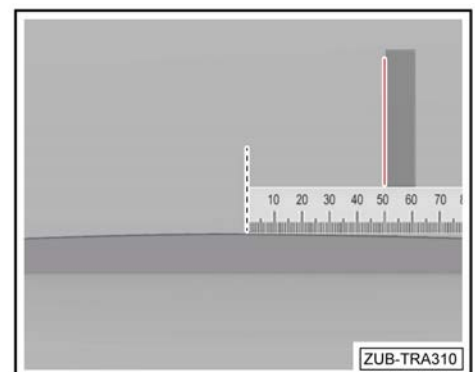
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

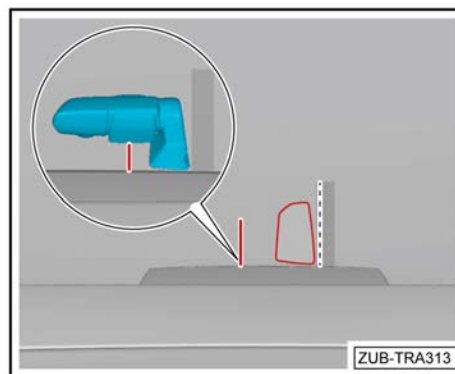


-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.





-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.7 Concluding operations

– Connect the battery⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
 - ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
 - ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
 - ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A3 sedan (8Y) - AU380
Audi A3 Sportback (8Y) - AU381

window edge

Check dimensional change!

Nominal size: 100mm

mid windscreen

STR

Note:
When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi A4 Saloon 2008 ►

Audi A4 Avant 2008 ►

Audi A5 Coupé 2008 ►

Audi A5 Sportback 2010 ►

Audi A5 Cabriolet 2010 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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4	Overview of components, scope of delivery and overview of fitting location	4
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5.2	Installing the front camera	6
5.3	Connecting the UTR wiring harness	8
5.4	Assembling the vehicle	9
5.5	Installing the rear camera for the A4 Saloon, A5 Coupé	10
5.6	Installing the rear camera for the A4 Avant, A4 Allroad, A5 Sportback	11
5.7	Concluding operations	12



1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



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CAUTION

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NOTICE

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TIP:

Text with this symbol contains important additional information.

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2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

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- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

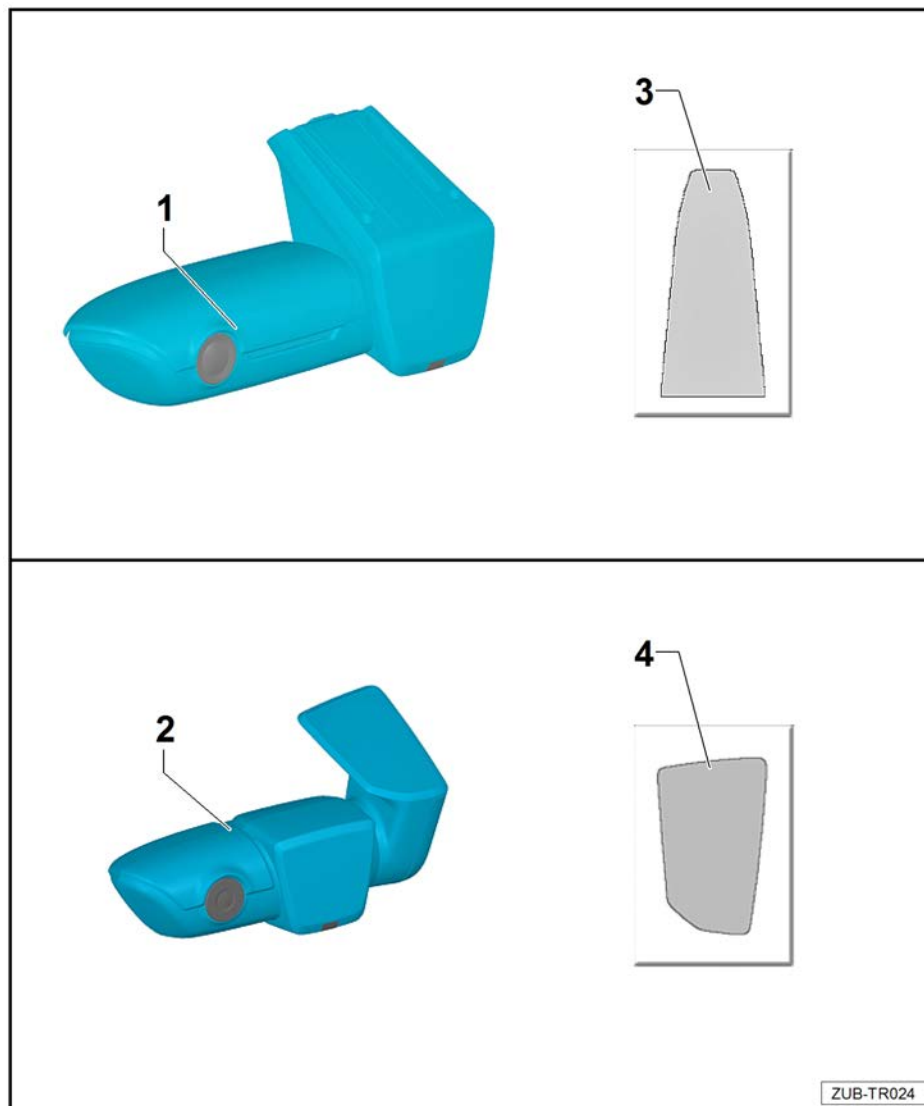
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

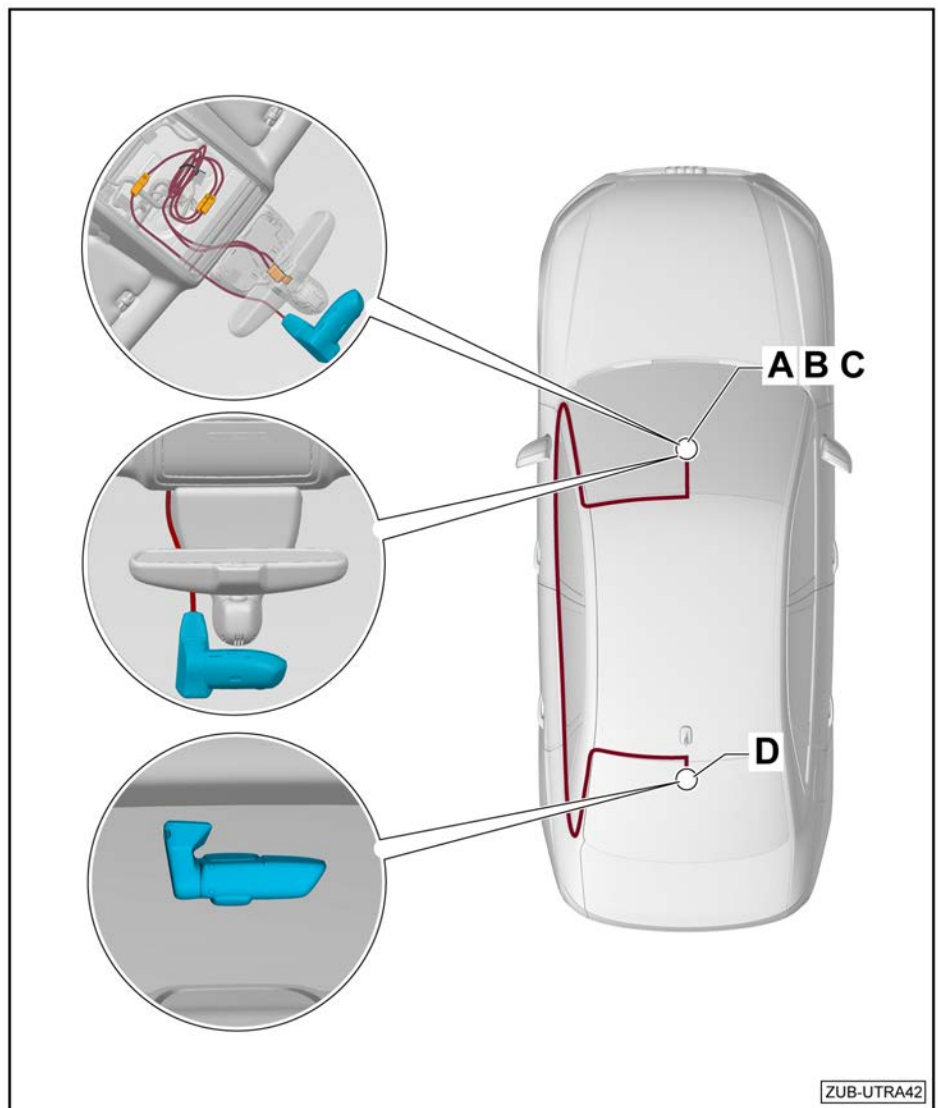
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

Also applies to the A4 Avant, A4 Allroad, A5 Sportback

- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

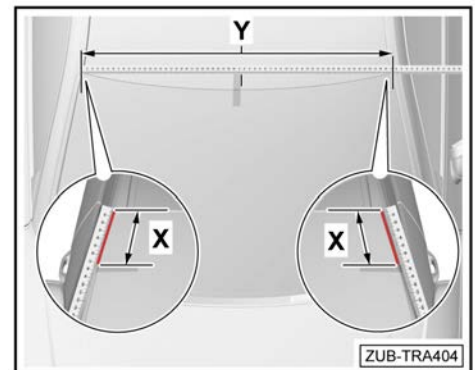
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

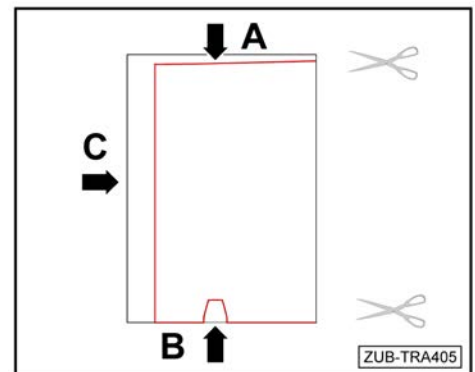
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

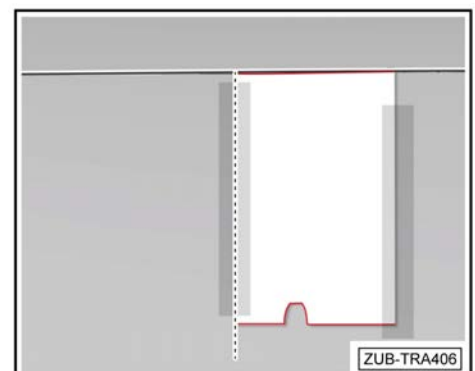


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



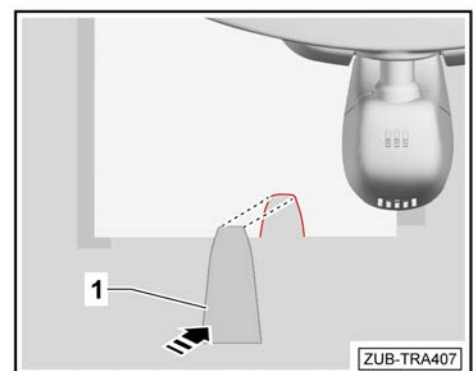
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



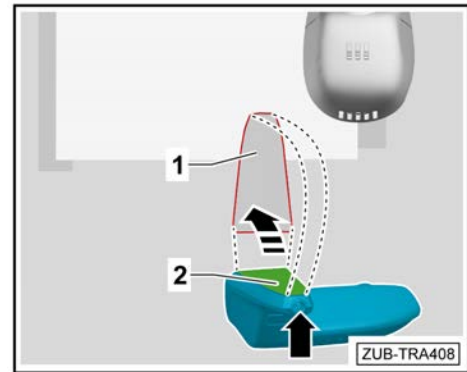


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



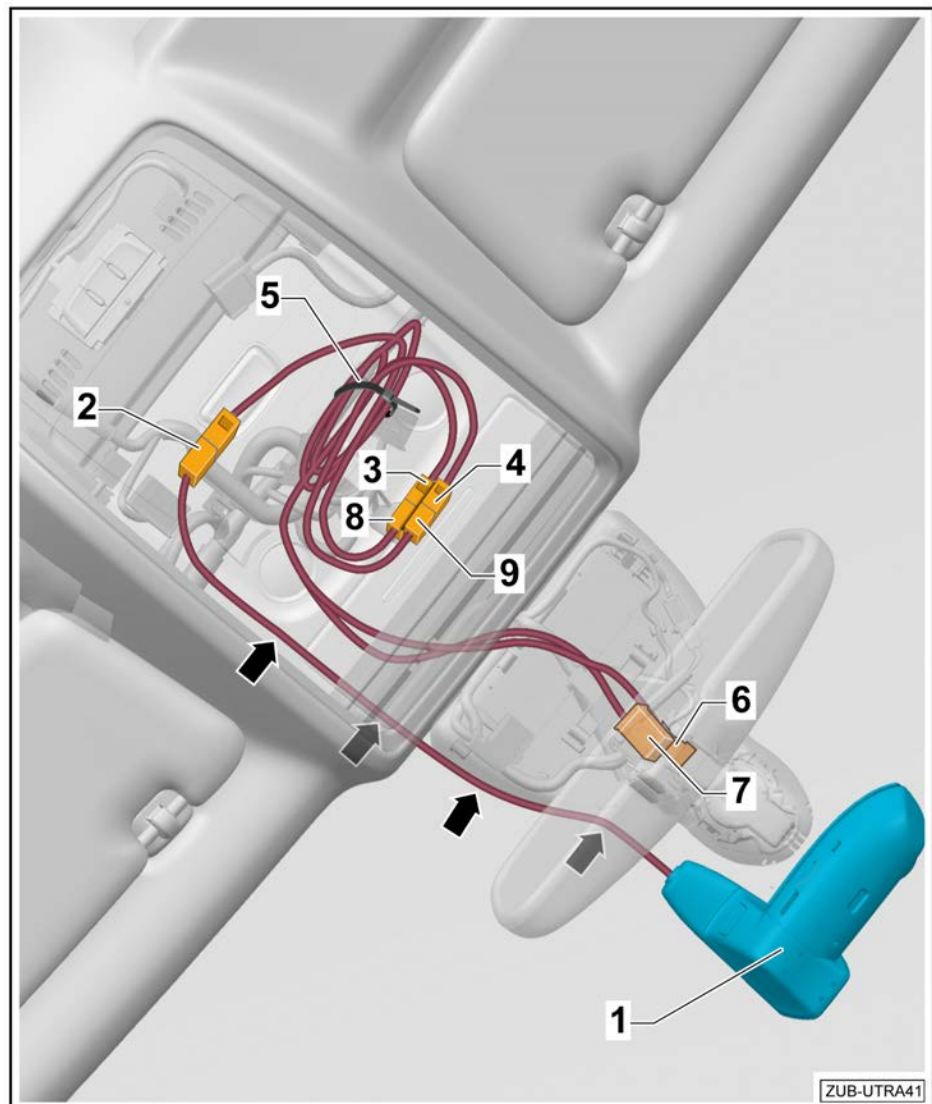
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

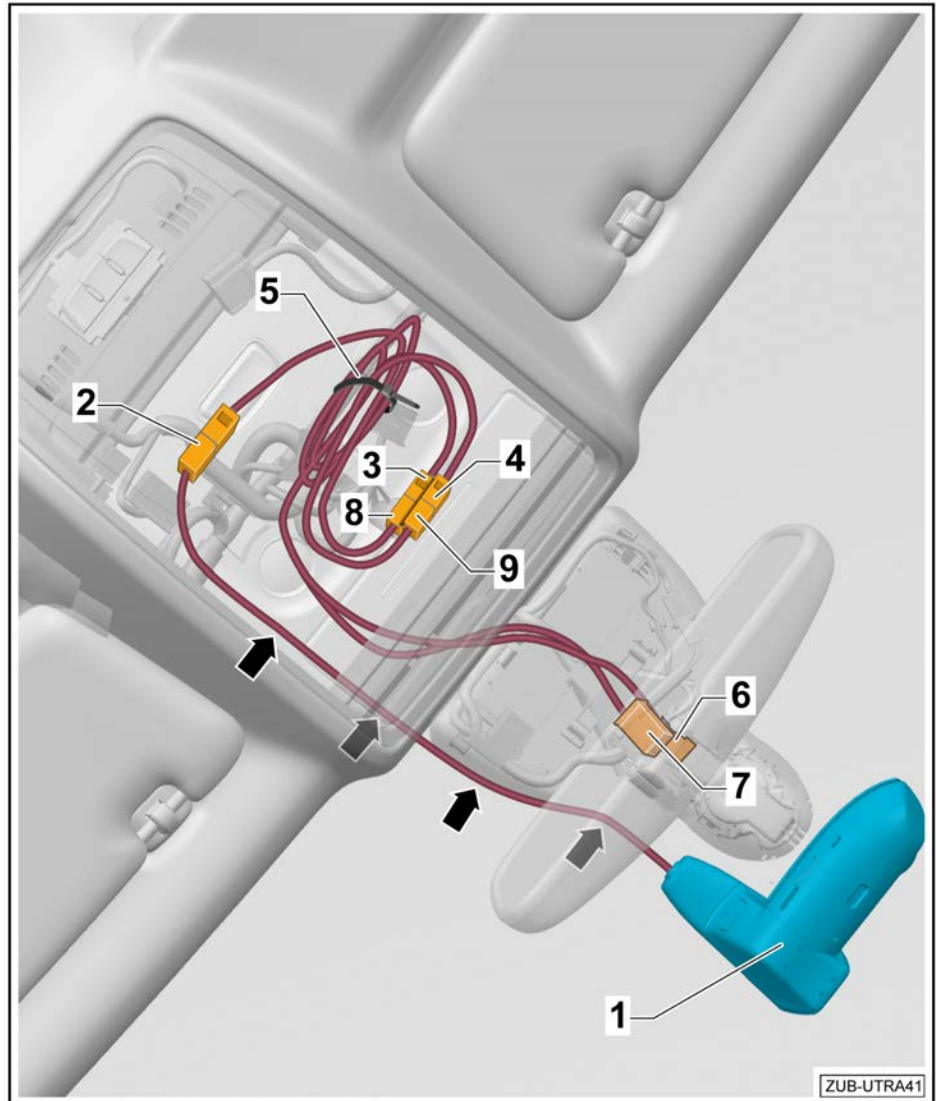
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera for the A4 Saloon, A5 Coupé

Conditions

The room temperature must be 20°C +/- 4 C.

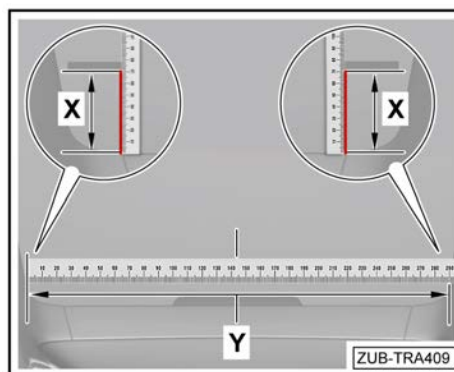
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

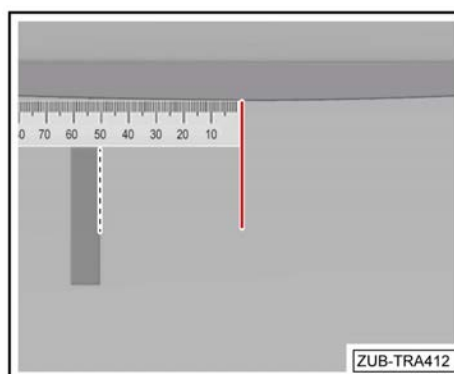
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

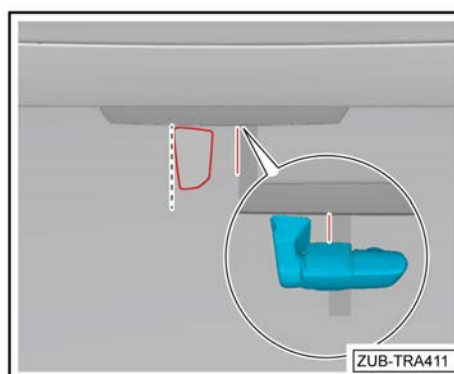


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.6 Installing the rear camera for the A4 Avant, A4 Allroad, A5 Sportback

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

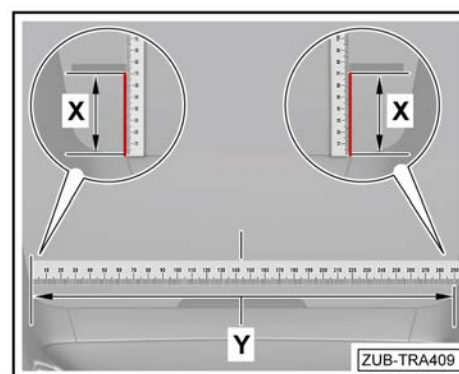
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

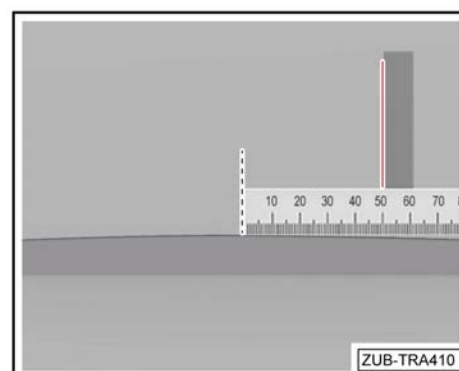
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

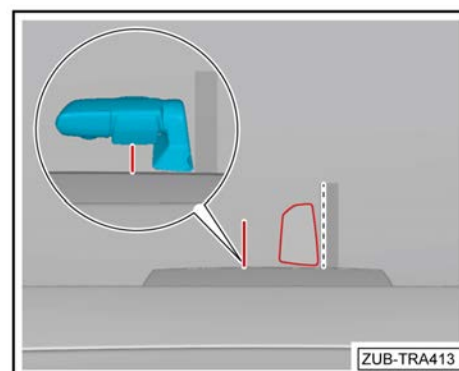
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.7 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

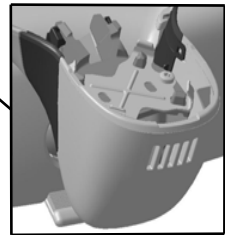
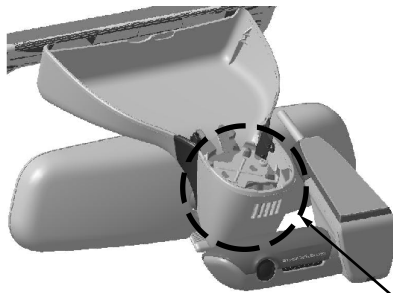
window edge

B

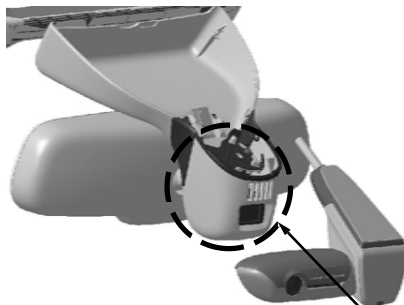
window edge

A

A



B



Audi A4 sedan (8K) - AU481
Audi A4 Avant (8K) - AU482

mid windscreen
mid windscreen

UTR

Note:
When printing this template
don't make any format adaption!

Stand: 08/21

Check dimensional change!

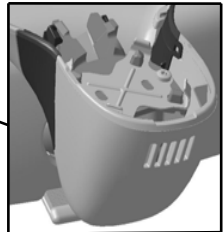
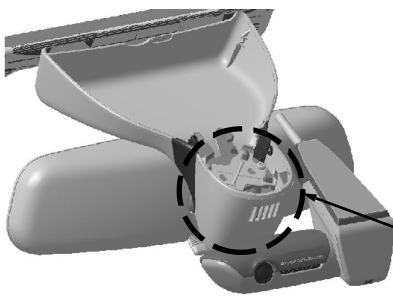
Nominal size: 100mm

Audi A5 convertible (8F) - AU485

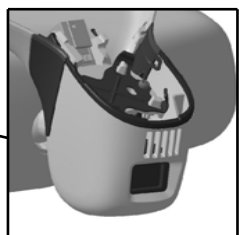
window edge

window edge

A



B



UTR

Check dimensional change!

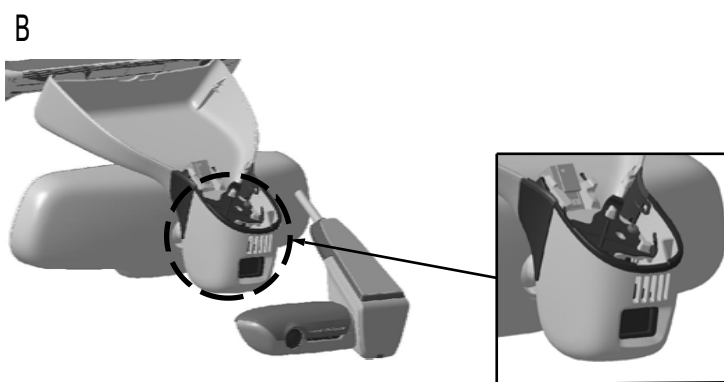
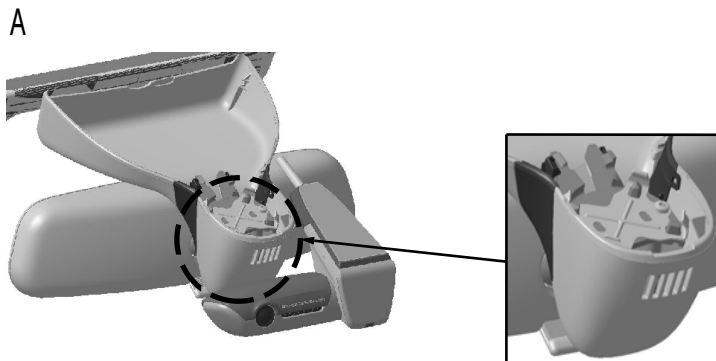
Nominal size: 100mm

mid windscreen

mid windscreen

Note:
When printing this template
don't make any format adaption!

Audi A5 Coupé (8T) - AU483
Audi A5 Sportback (8T) - AU484



window edge

window edge

mid windscreen

mid windscreen

Check dimensional change!

Nominal size: 100mm

UTR

Note:
When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi A4 (8W) Saloon 2016 ►

Audi A4 (8W) Avant/Allroad 2016 ►

Audi A5 (8W) Coupé/Sportback 2017 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.

DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.

WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.

CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.

NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines

CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

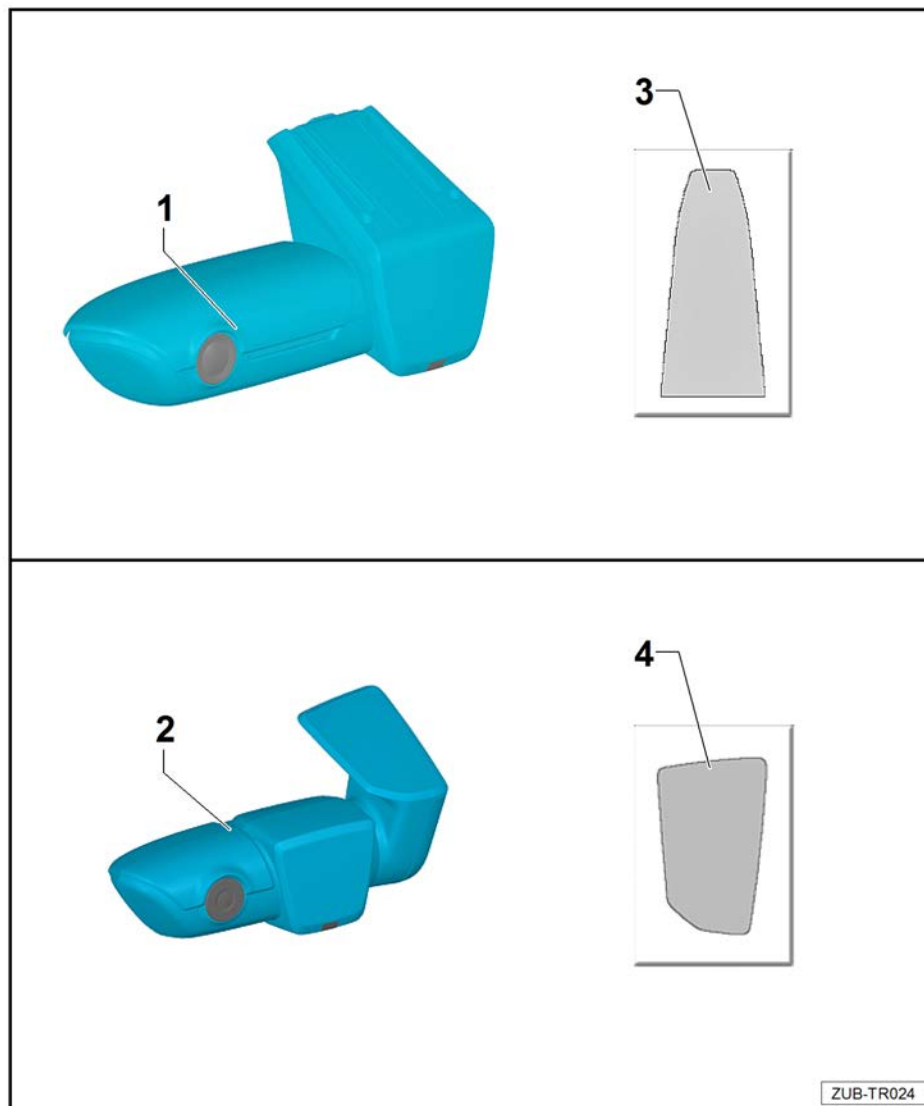
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

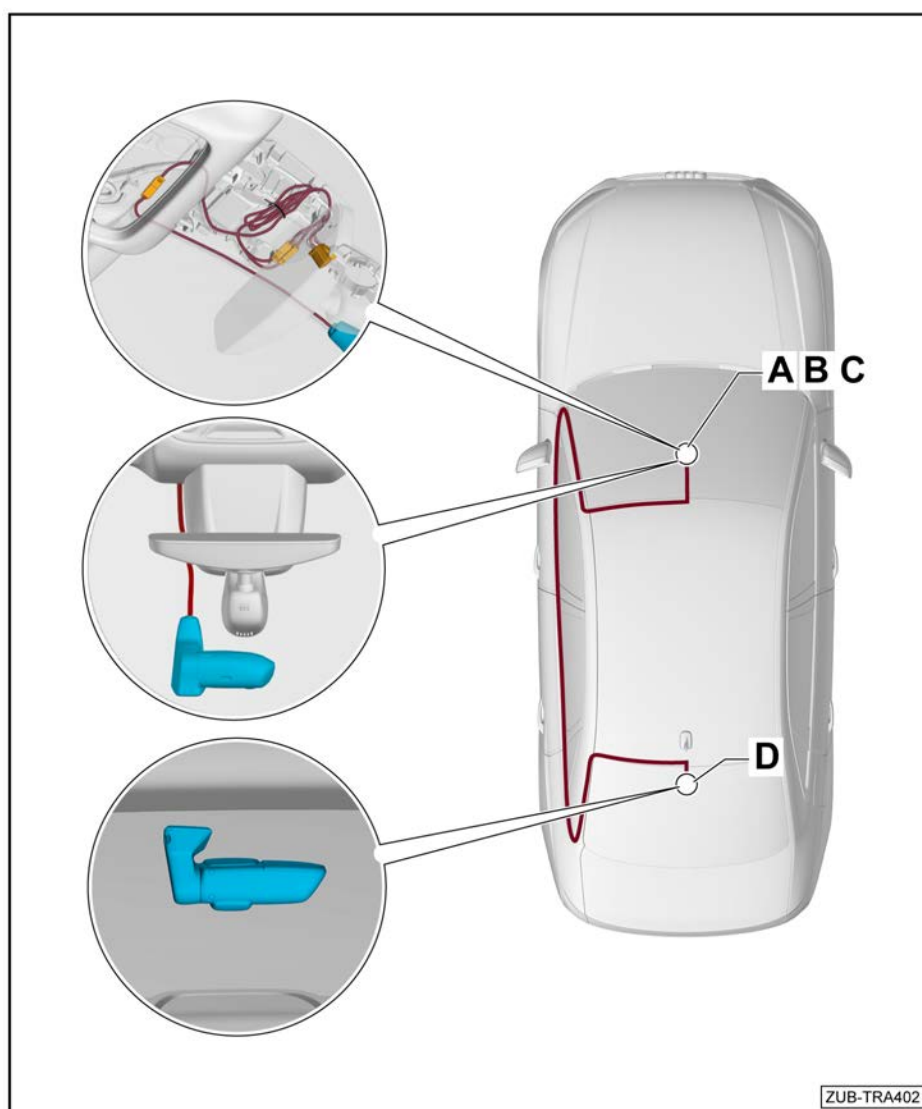


**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- If necessary, remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

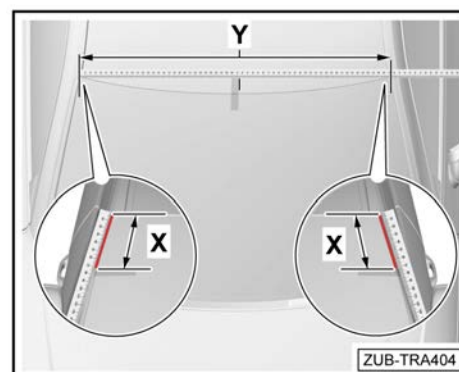
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

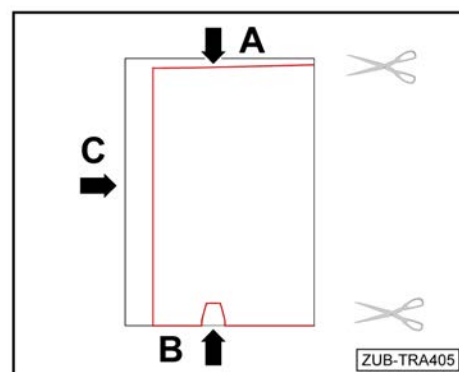
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

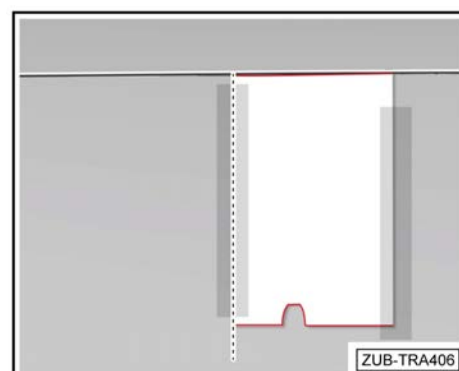


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



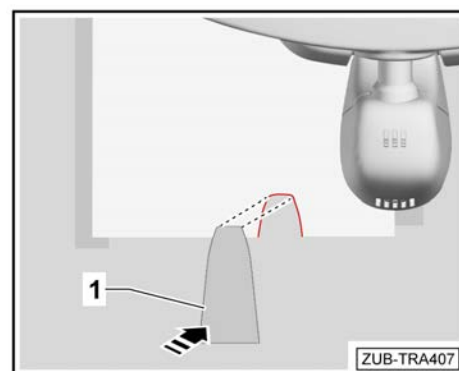
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



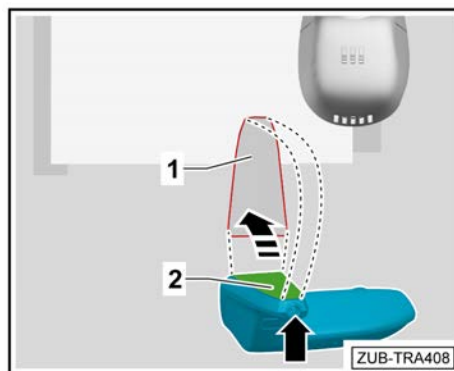


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the windscreen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



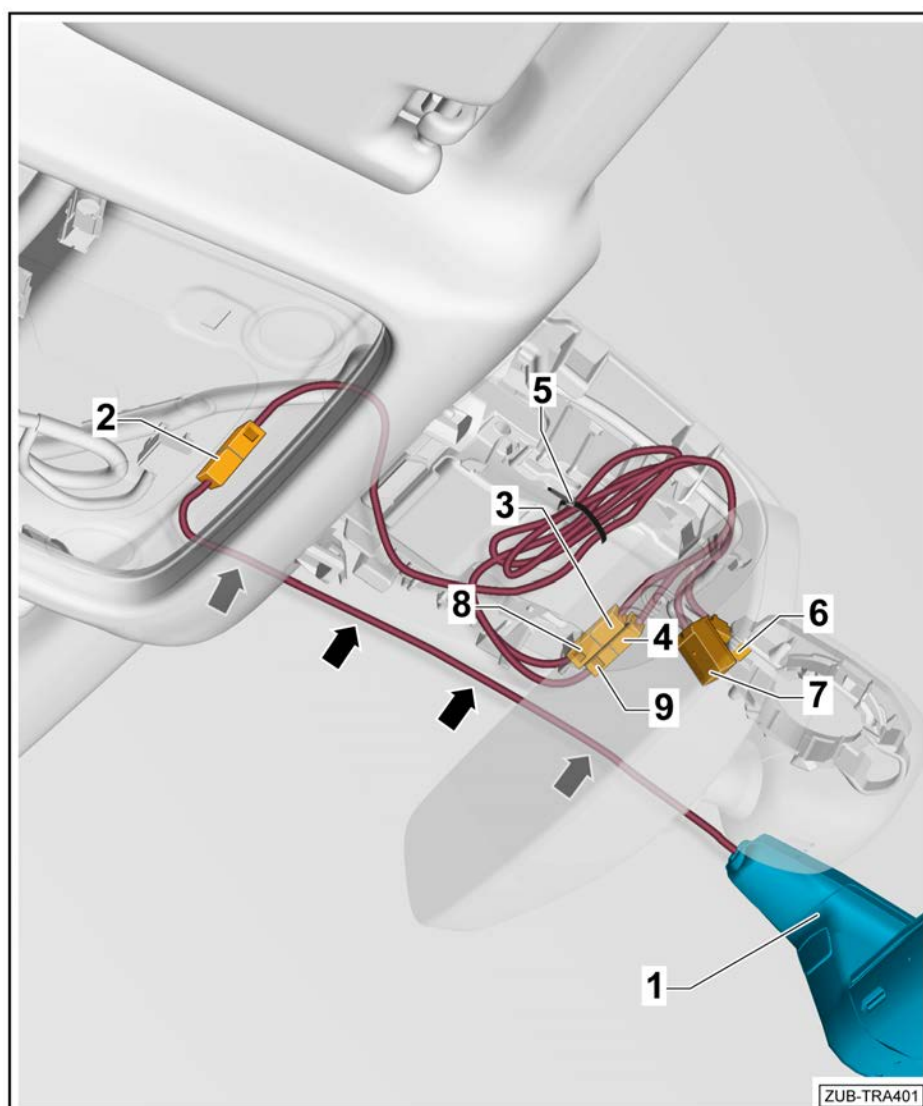
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.





5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera for the A4 Saloon, A5 Sportback, A5 Coupé

Conditions

The room temperature must be 20°C +/- 4 C.

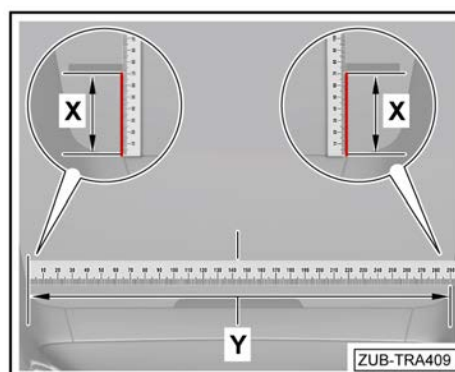
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

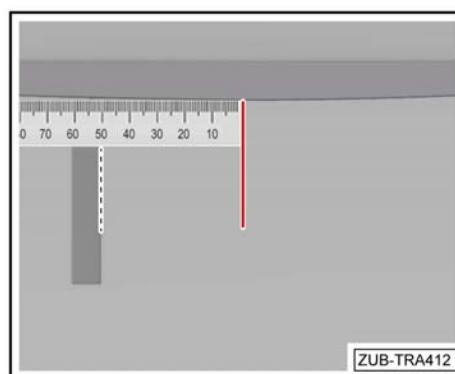
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

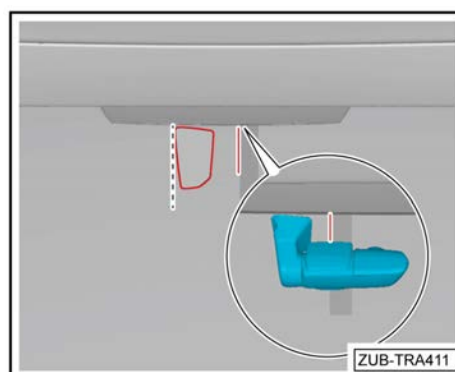


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:



Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.6 Installing the rear camera for the A4 Avant, A4 Allroad

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

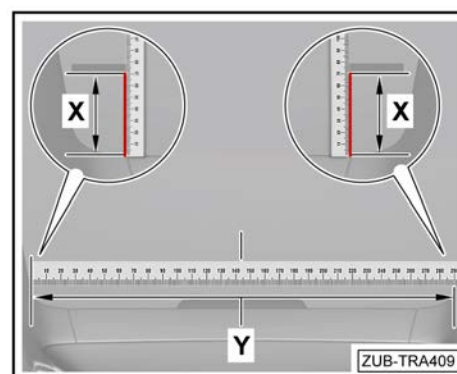
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

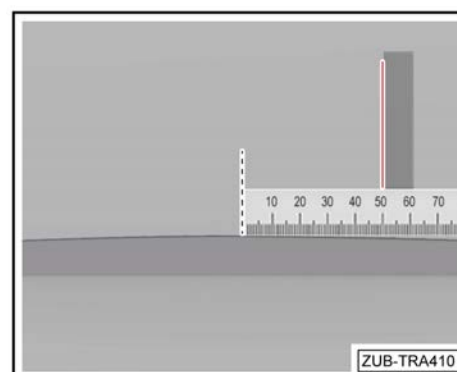
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

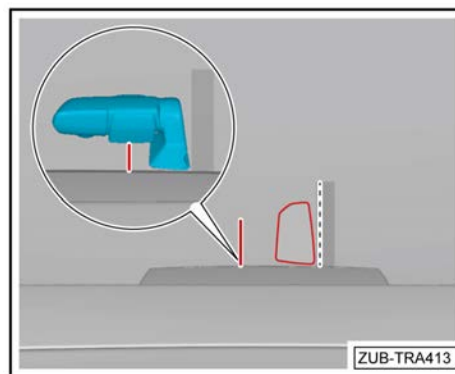


-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.





-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.7 Concluding operations

– Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A4 sedan (8W) - AU491
Audi A4 Avant (8W) - AU492

mid windshield

mid windshield

B

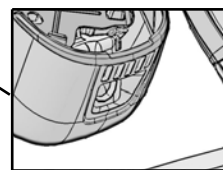
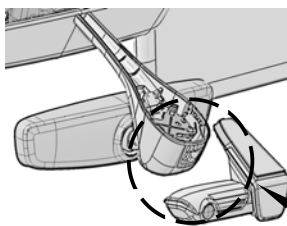
window edge

window edge

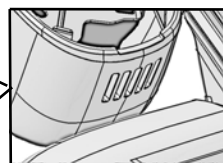
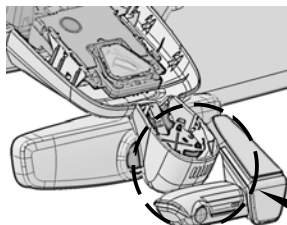
A

window edge

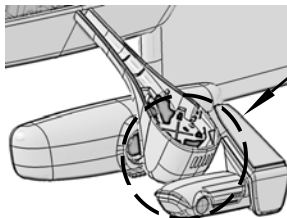
C



B



A



Check dimensional change!

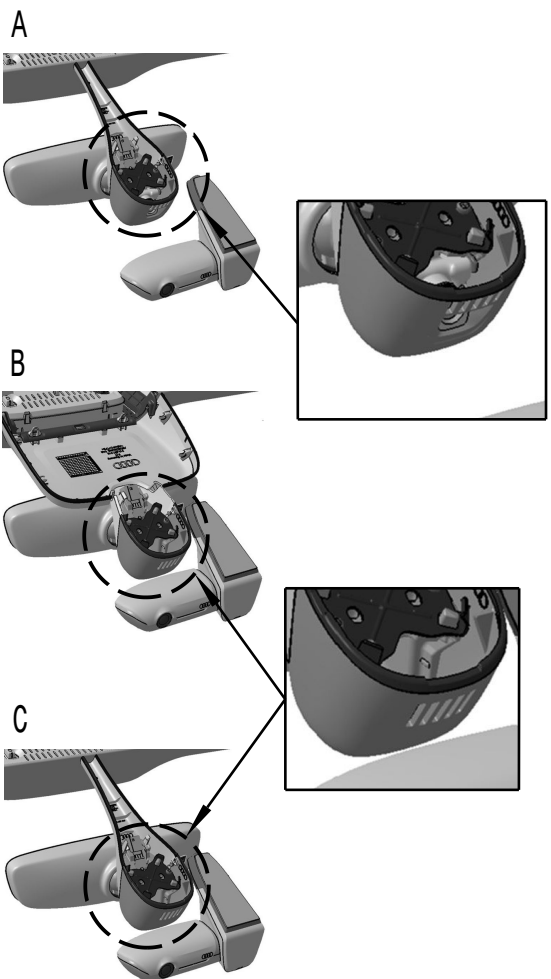
Nominal size: 100mm

STR

Note:

When printing this template don't make any format adaption!

Audi A5 sportback (8W) - AU493
Audi A5 coupé (8W) - AU494



Note:
When printing this template
dont make any format adaption

STR

mid windscreen

window edge

window edge

A/B

C

Check dimensional change!

Nominal size: 100mm

Installation instructions

Audi Universal Traffic Recorder

Audi A6 Saloon/Avant/Allroad (4G) 2011 ►

Audi A6 Saloon/Avant/Allroad (4G) 2015 ►

Audi A7 Sportback (4G) 2011 ►

Audi A7 Sportback (4G) 2015 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

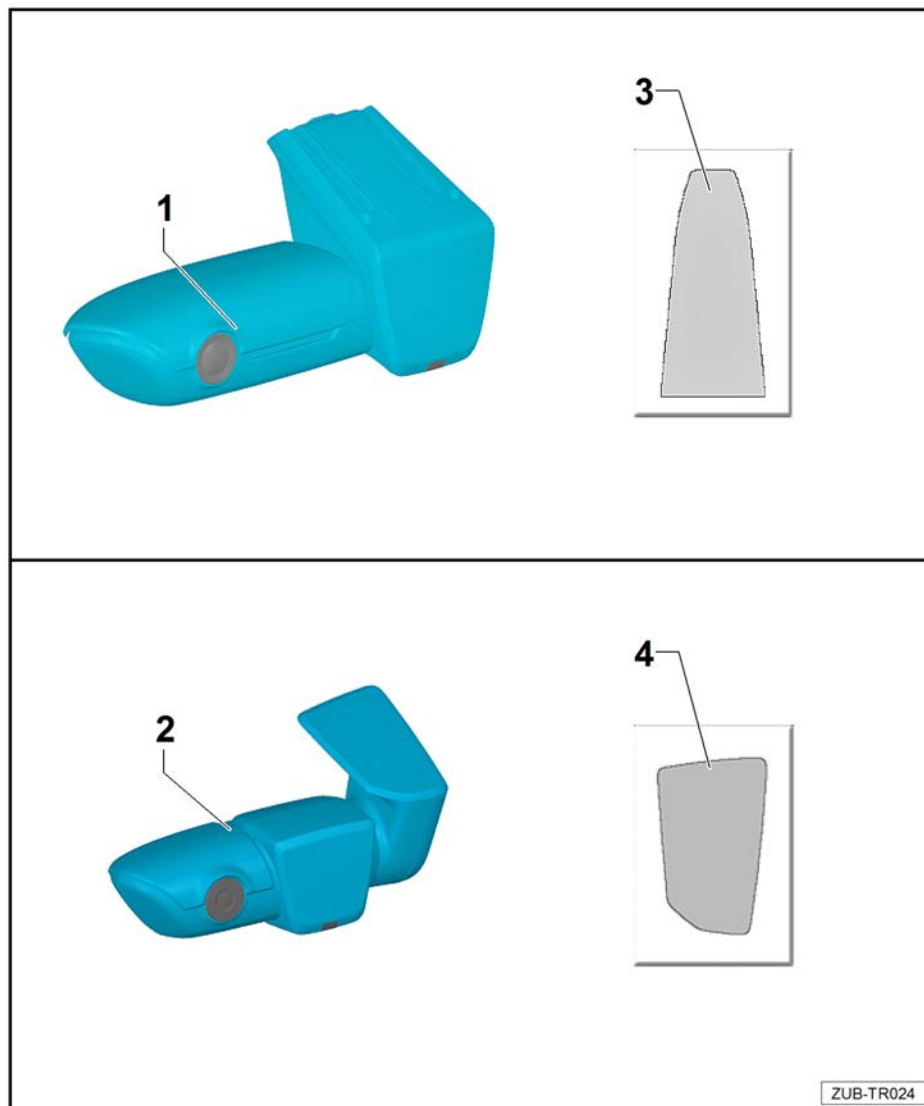
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

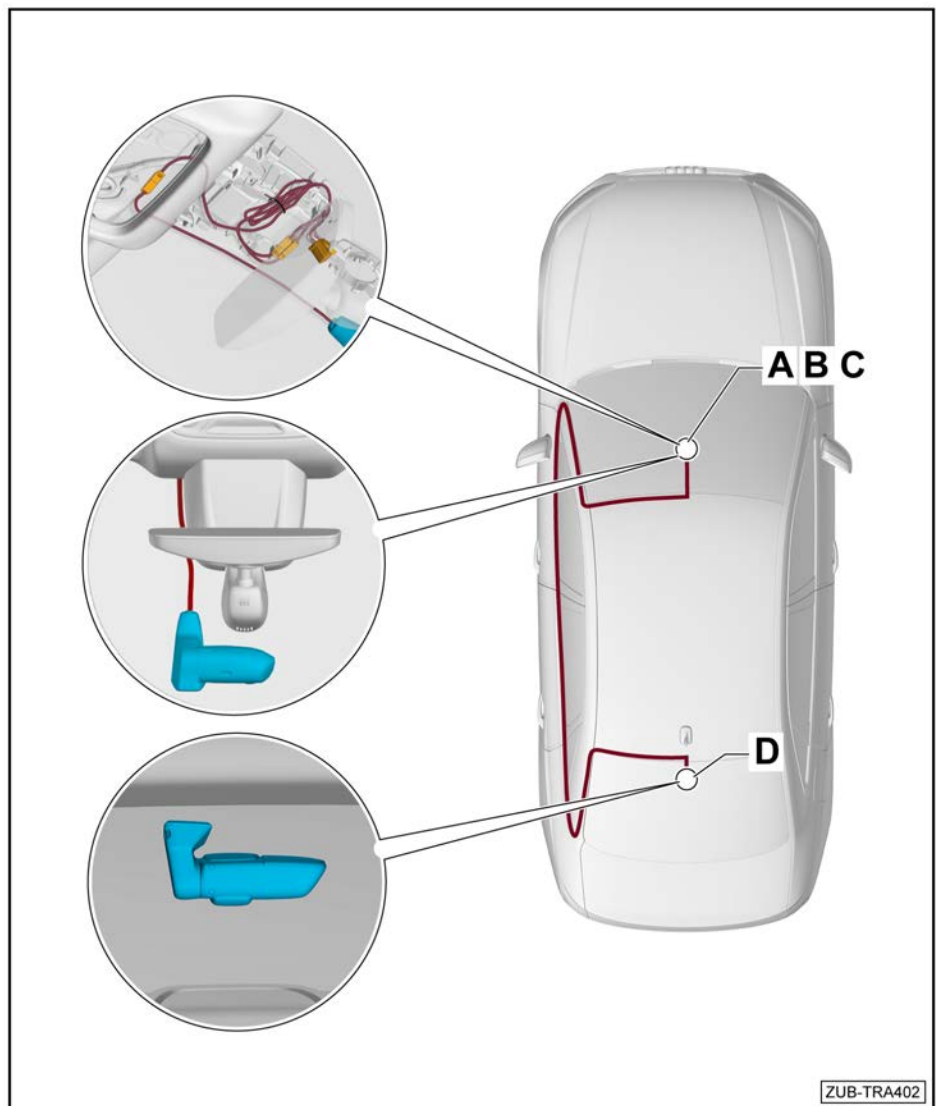
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- If necessary, remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

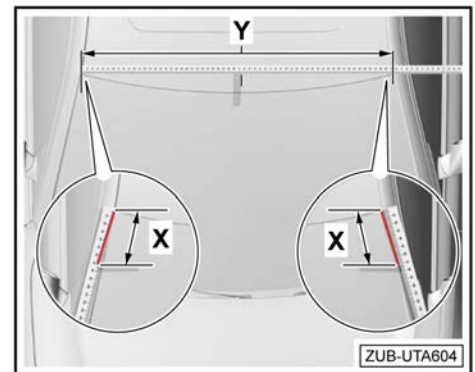
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

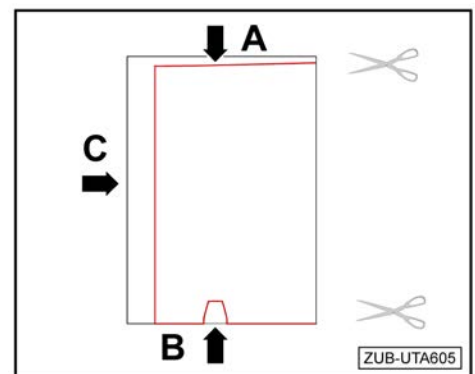
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

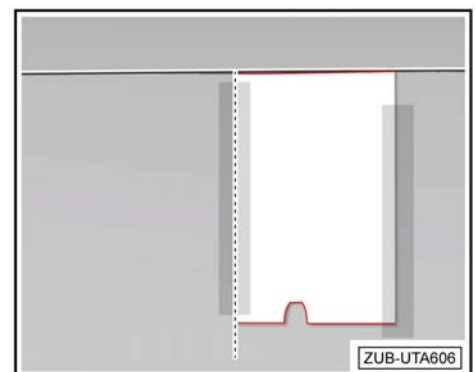


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



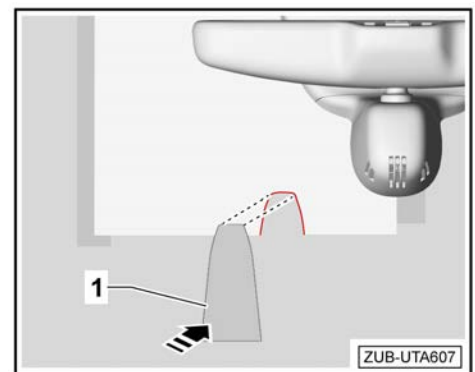
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



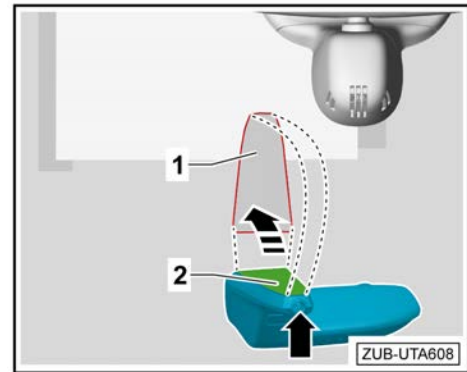


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



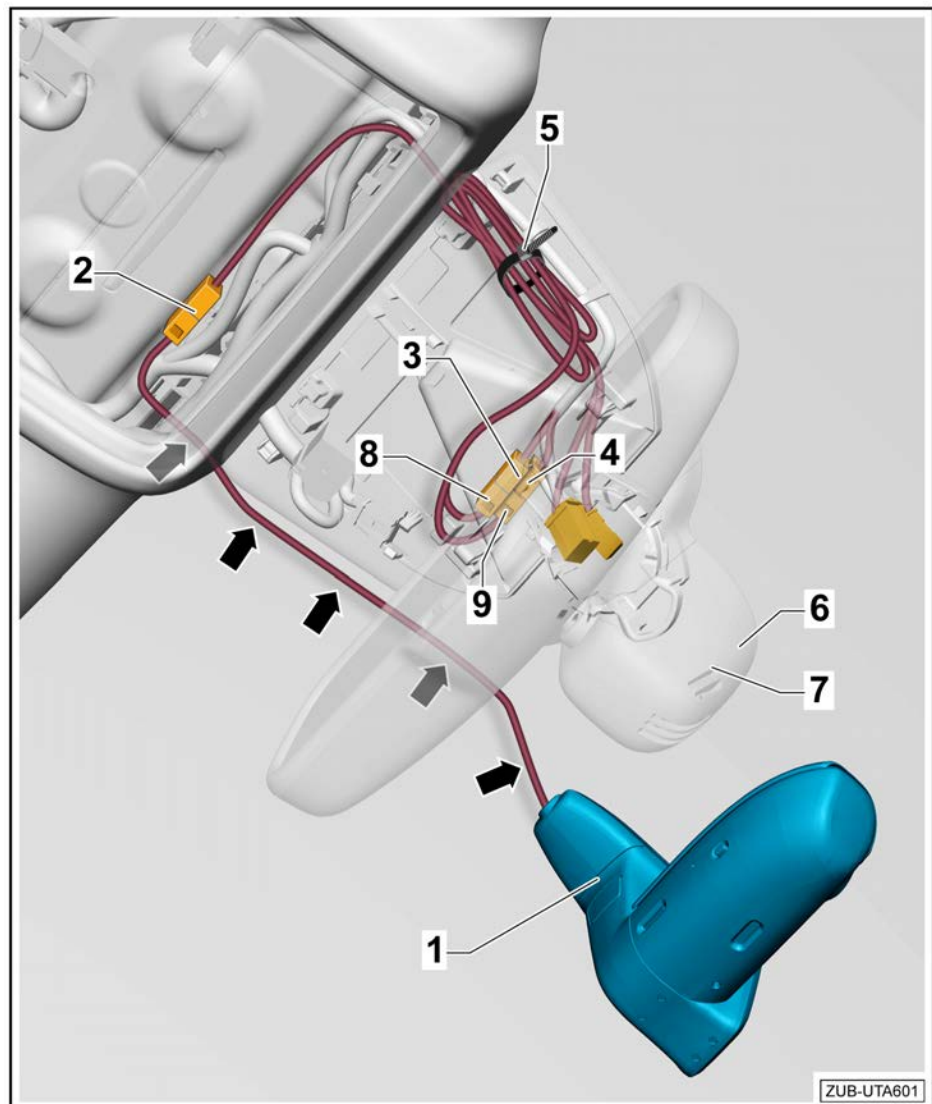
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

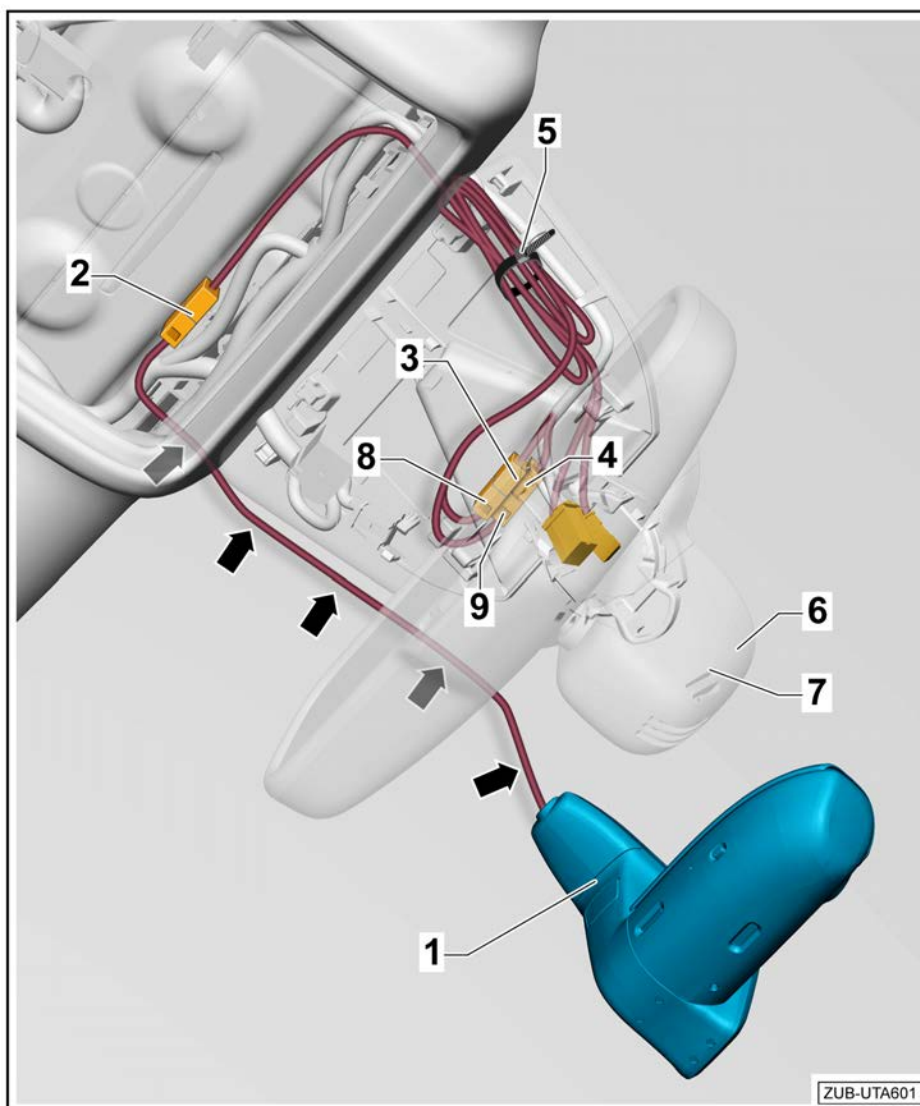
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Applies to the A6 Avant, A6 Allroad, A7 Sportback

NOTICE

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

- Route the wire further along to the assembly position of the rear camera and allow the wire to hang.



5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera for the A6 Saloon

Conditions

The room temperature must be 20°C +/- 4 C.

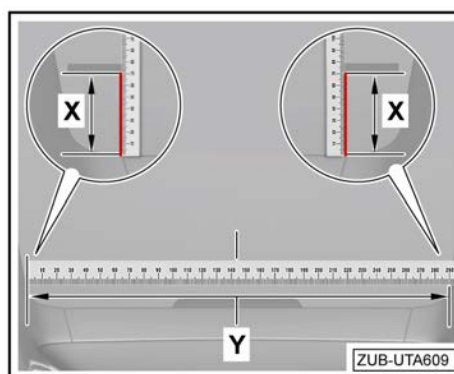
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

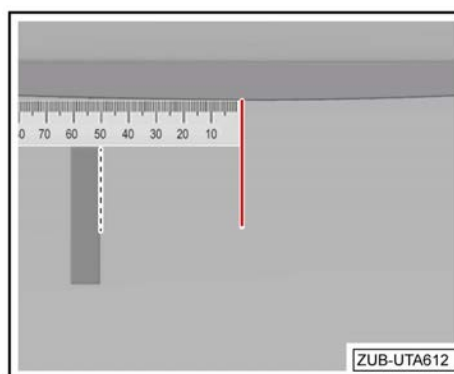
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

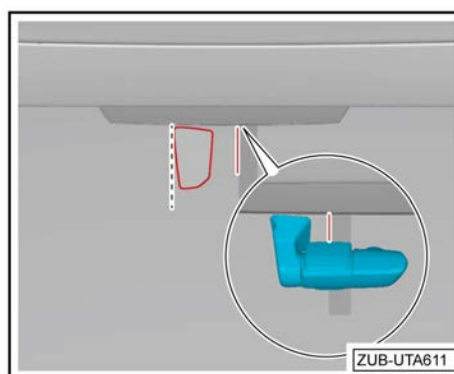


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.6 Installing the rear camera for the A6 Avant, A6 Allroad, A7 Sportback

Conditions

The room temperature must be $20^{\circ}\text{C} \pm 4^{\circ}\text{C}$.

If the humidity level is high ($>70\%$), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

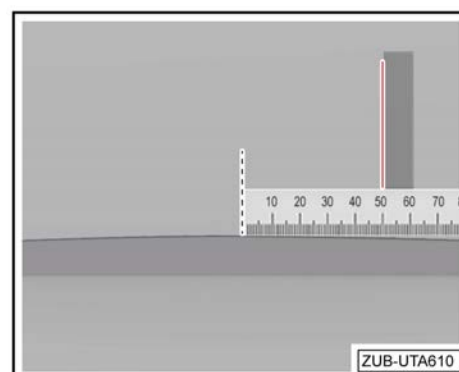
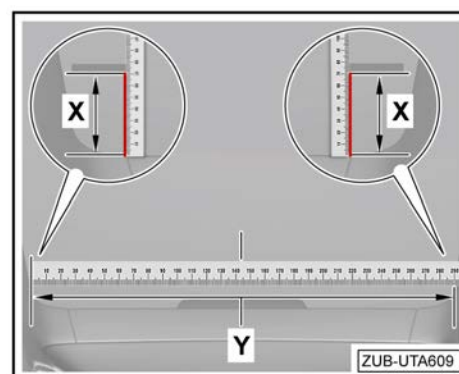
The tailgate is open and the service technician is standing behind the vehicle.

Install the rear camera only in the specified area of the rear window.

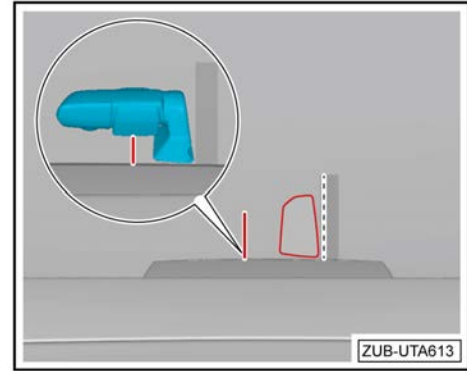
-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

$X = 70 \text{ mm}$

-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.7 Concluding operations

– Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
 - ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
 - ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
 - ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

D

window edge

C

window edge

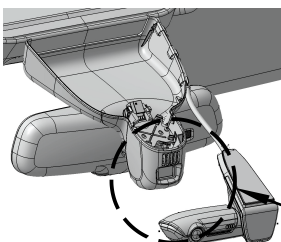
window edge

B

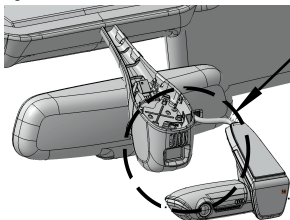
A

window edge

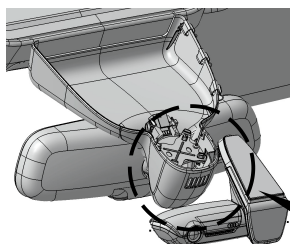
D



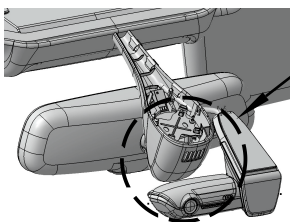
C



B



A



Audi A6 sedan (4G) - AU571
Audi A6 Avant (4G) - AU572

Check dimensional change!

Nominal size: 100mm

mid windscreen

mid windscreen

STR

Note:

When printing this template don't make any format adaption!

C

window edge

D

window edge

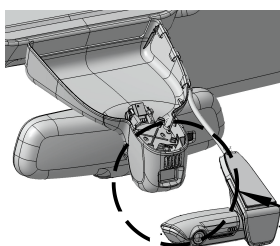
A/B

window edge

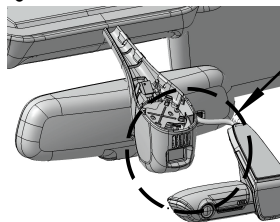
mid windscreen

mid windscreen

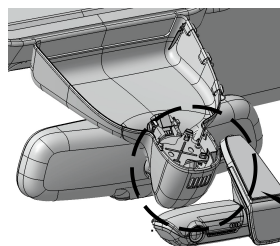
D



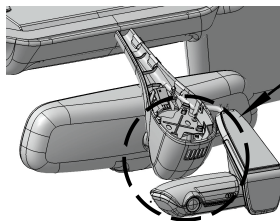
C



B



A



Audi A7 (4G) - AU573

Check dimensional change!

Nominal size: 100mm

STR

Note:

When printing this template don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi A6 (4K0) Saloon 2018 ►

Audi A6 (4KA) Avant 2018 ►

Audi A7 (4KF) Sportback 2018 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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5.3	Overview of fitting location	6
6	Sequence of operations	7
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6.2	Installing the front camera	7
6.3	Connecting the UTR wiring harness	10
6.4	Assembling the vehicle	12
6.5	Installing the rear camera	12
6.6	Installing the rear camera	13
6.7	Concluding operations	14



1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Important customer information

Share the following information with the customer:

NOTICE

After installing the rear camera in the Audi A7 Sportback, the sun blind (PR no.: 3Y6) can be adjusted only with the rear lid open – risk of collision!

Audi AG shall not accept responsibility in the event of failure to comply with this information.



3 Safety instructions

3.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

3.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



4 Repair instructions

4.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

4.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.

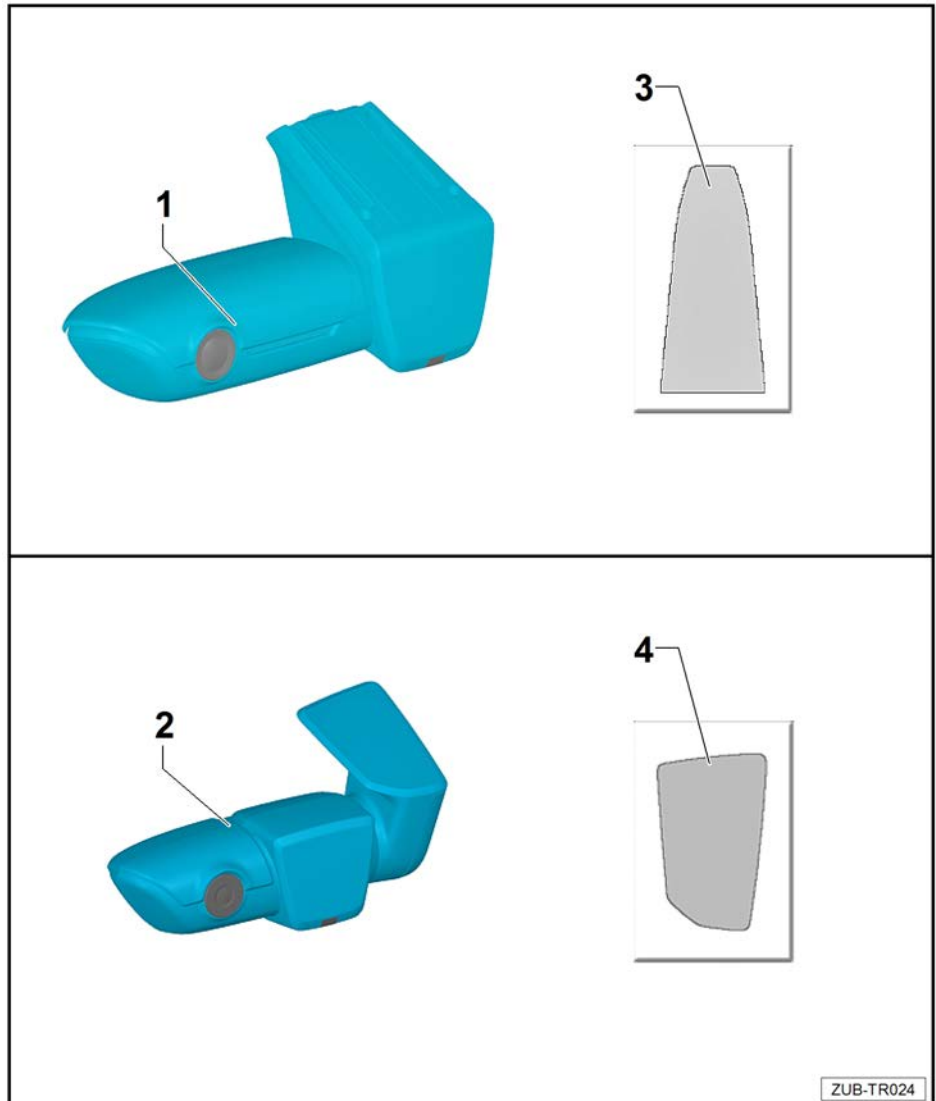
5 Overview of components, scope of delivery and overview of fitting location

! NOTICE

In the Audi A6 Saloon, fitting the rear camera on vehicles with an electric side sun blind (PR no.: 3Y5) is not possible – risk of collision!

5.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



5.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point



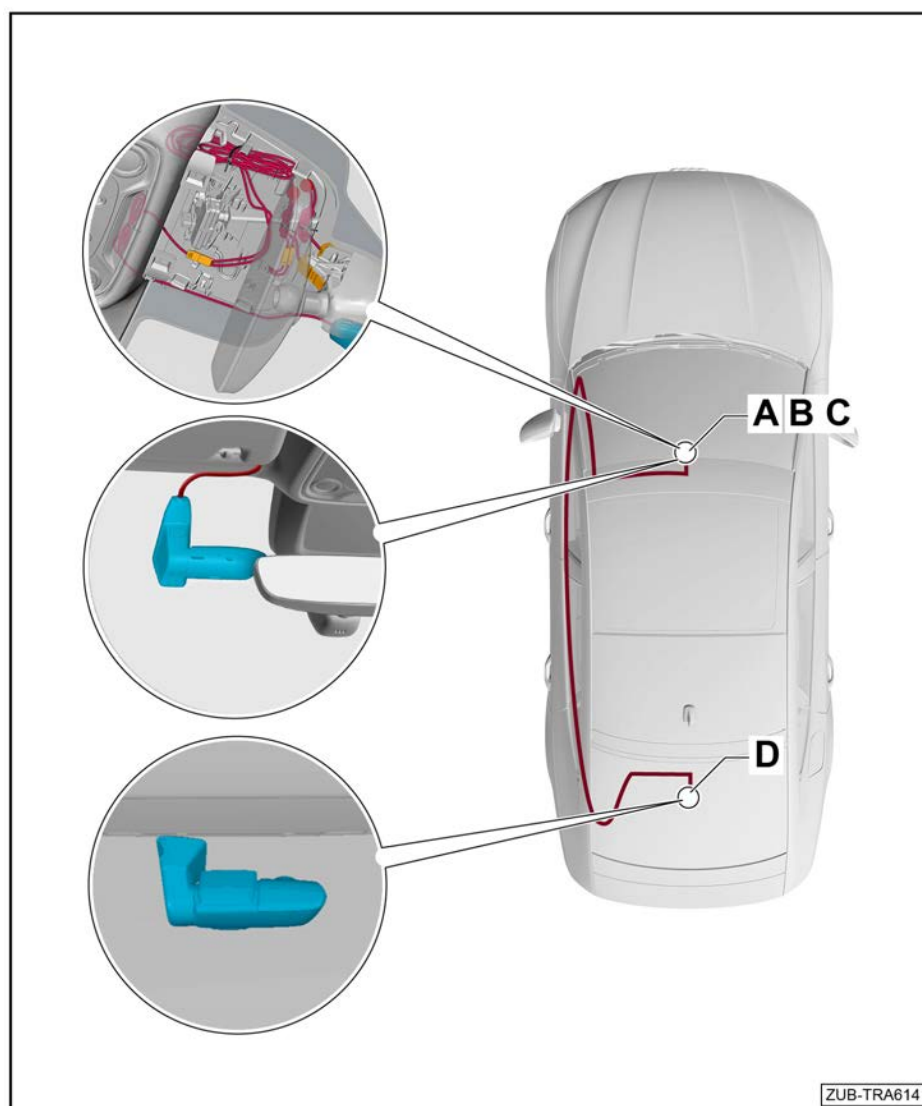
Quantity	Component
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

5.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





6 Sequence of operations

6.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the front seat on the driver side⇒General body repairs, interior; Rep. gr. 72; Front seat; Removing and installing the front seat on the driver side.
- Remove the foot rest⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the foot rest
- Remove the sill panel trim on the front driver side⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- If necessary, remove the rear lid trim⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

6.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:



The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

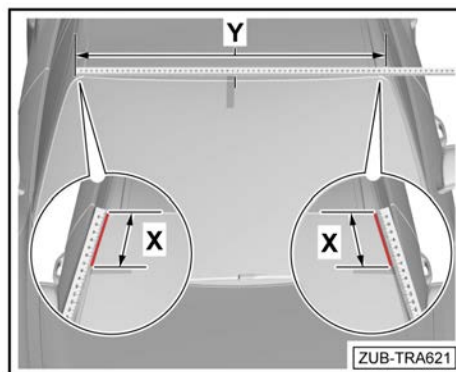
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

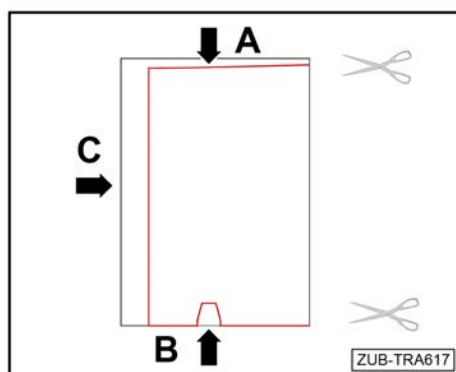
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

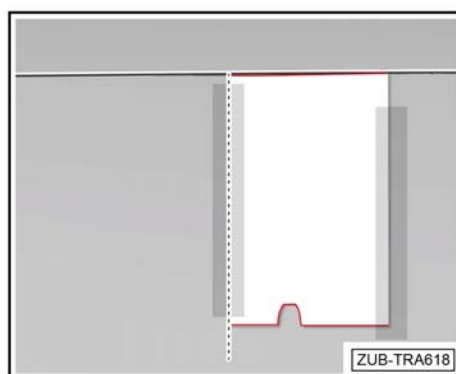


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



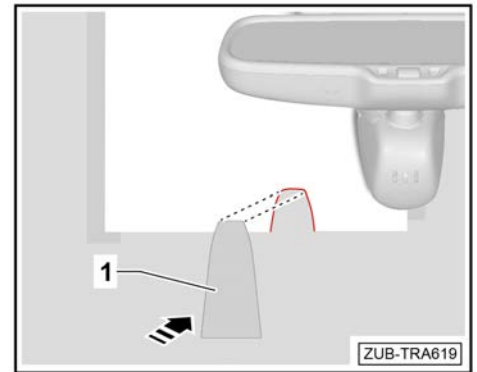
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the wind-screen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

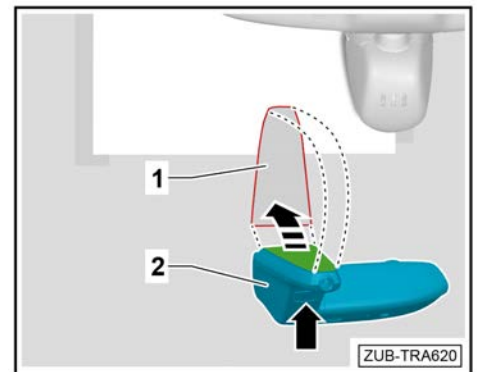


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



TIP:

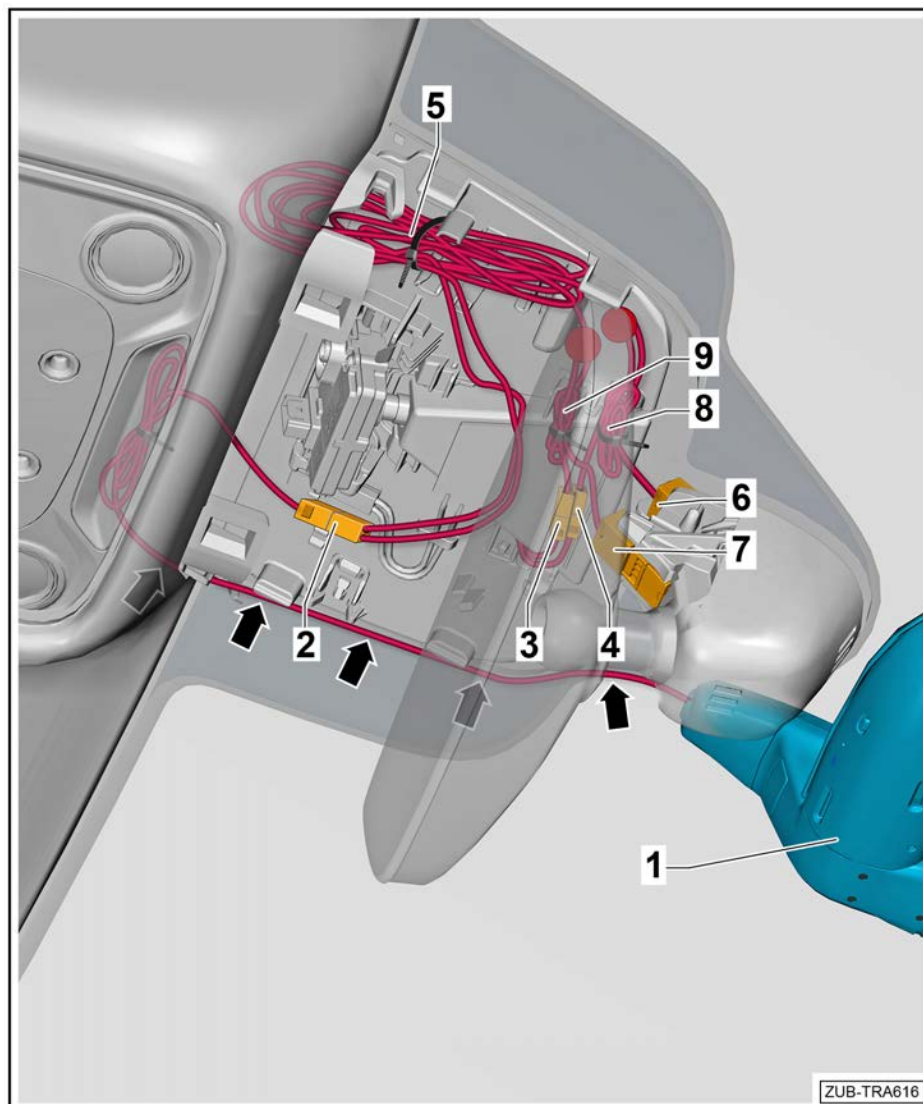
For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!



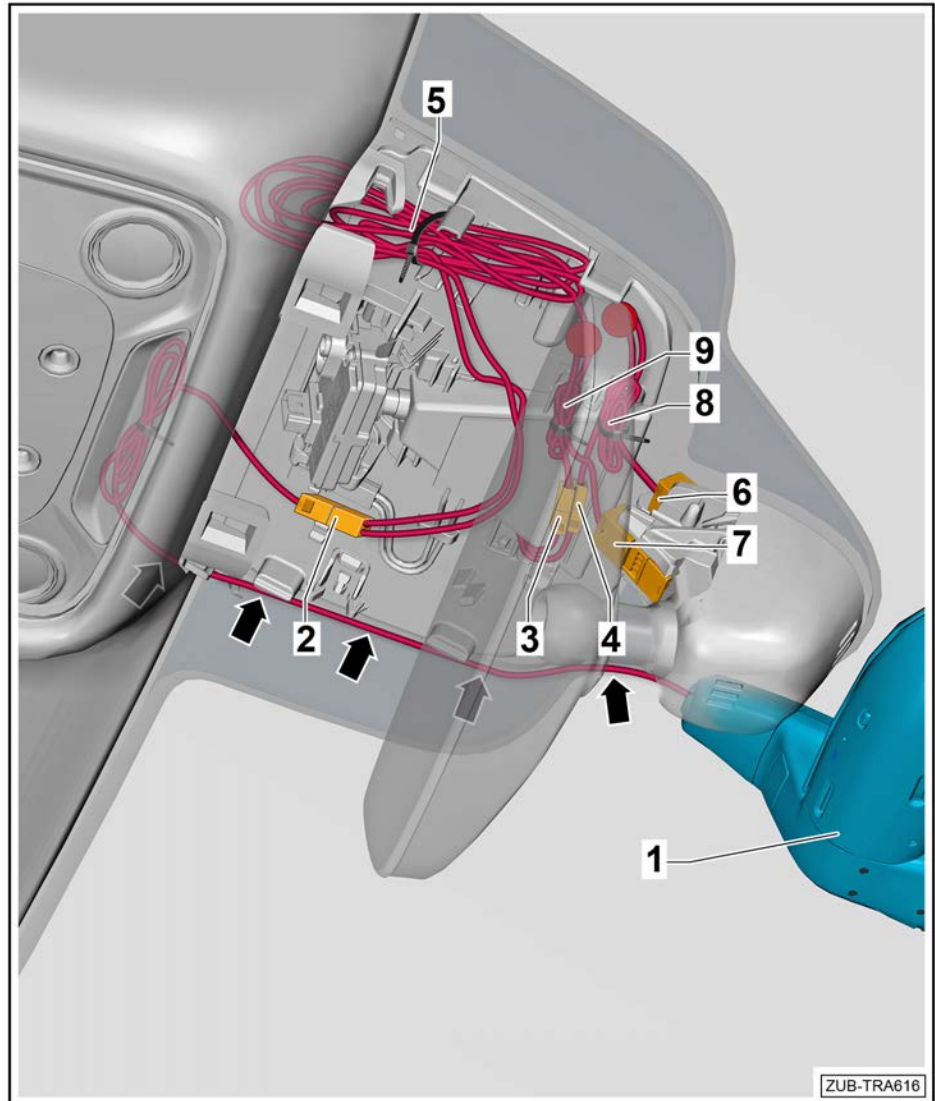
6.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -9- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -8- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the passenger side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower right of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Applies to the A6 Avant, A7 Sportback

NOTICE

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

- Route the wire further along to the assembly position of the rear camera and allow the wire to hang.



6.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

6.5 Installing the rear camera

Applies to the A6 Avant, A7 Sportback

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

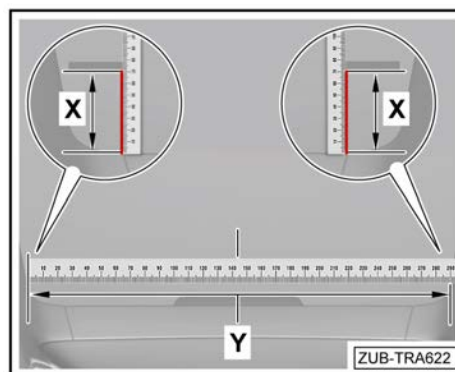
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

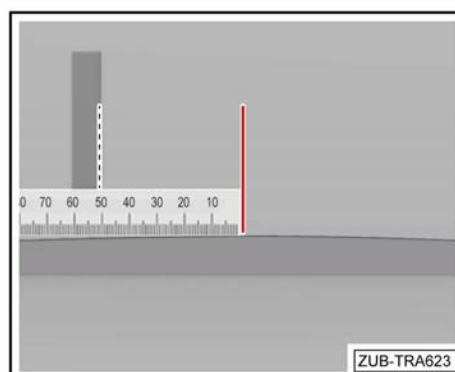
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

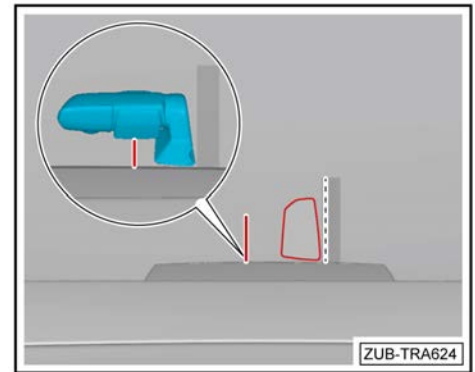


-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.





-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

6.6 Installing the rear camera

Applies to the Audi A6 Saloon

Conditions

The room temperature must be 20°C +/- 4 C.

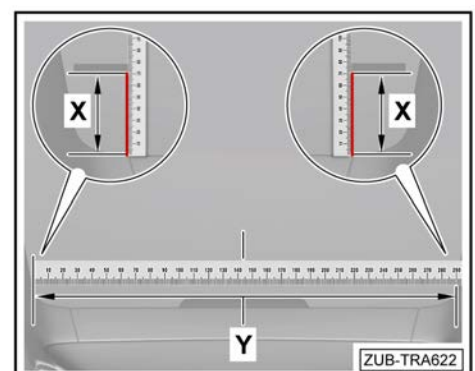
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

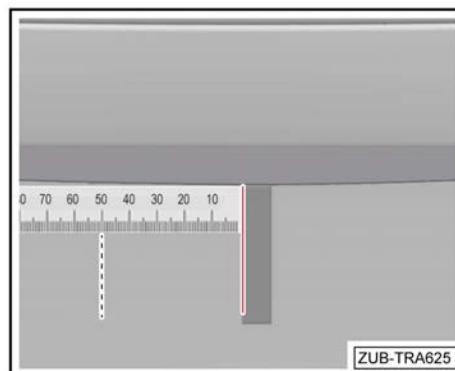
X = 70 mm



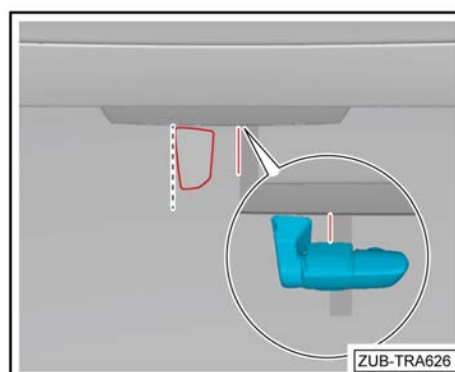


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

6.7 Concluding operations

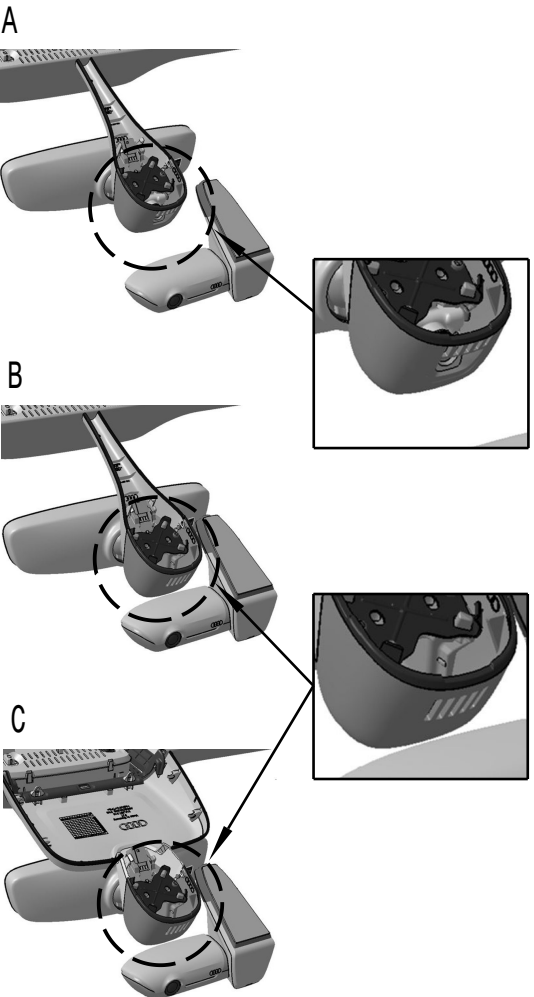
– Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
 - ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
 - ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
 - ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A6 sedan (4K) - AU581
Audi A6 Avant (4K) - AU582

Note:
When printing this template
don't make any format adaption!



window edge

window edge

STR

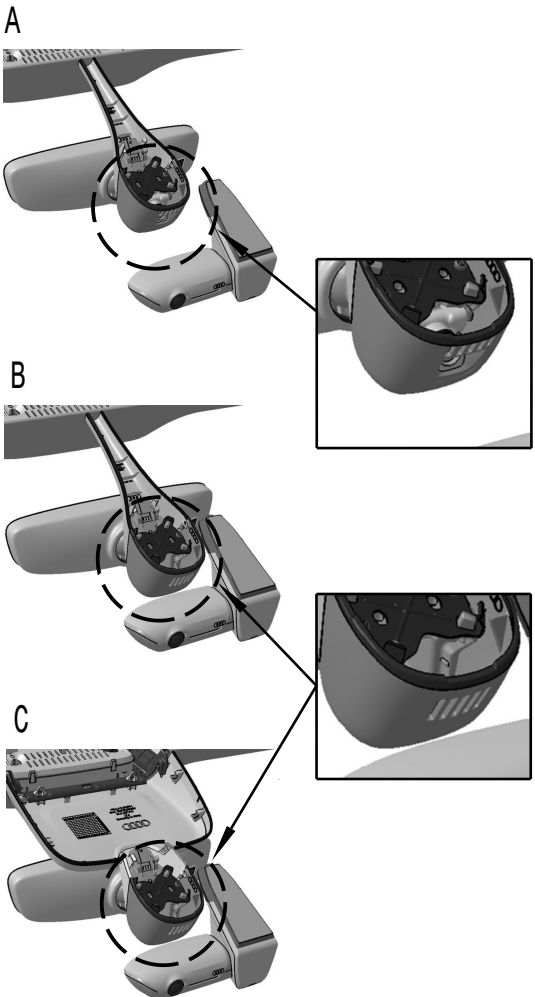
Check dimensional change!

Nominal size: 100mm

mid windscreen

Audi A7 (4K) - AU583

Note:
When printing this template
don't make any format adaption!



window edge

window edge

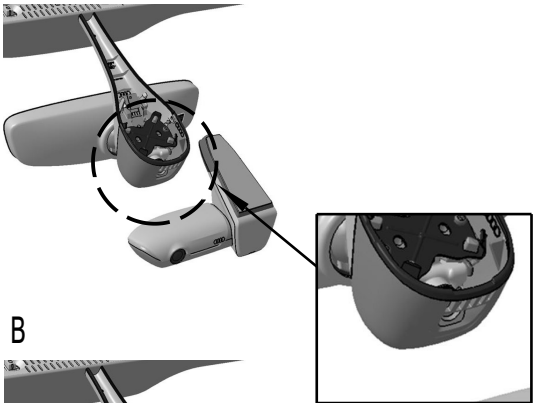
window edge

A

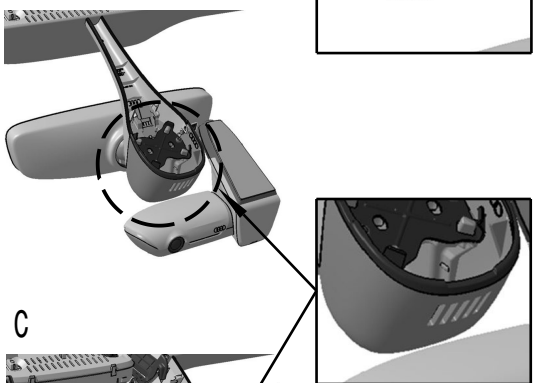
C

B

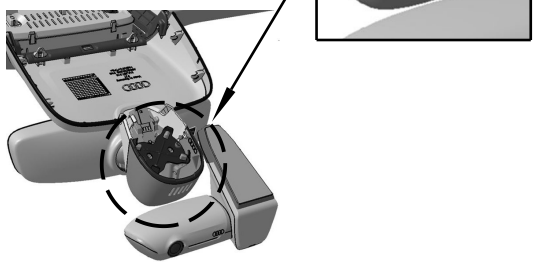
A



B



C



Check dimensional change!

Nominal size: 100mm

mid windscreen

STR

Installation instructions

Audi Universal Traffic Recorder

Audi e-tron GT 2021 ►

Audi RS e-tron GT 2021 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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5.4	Assembling the vehicle	9
5.5	Installing the rear camera	9
5.6	Concluding operations	11



1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



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CAUTION

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NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

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Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

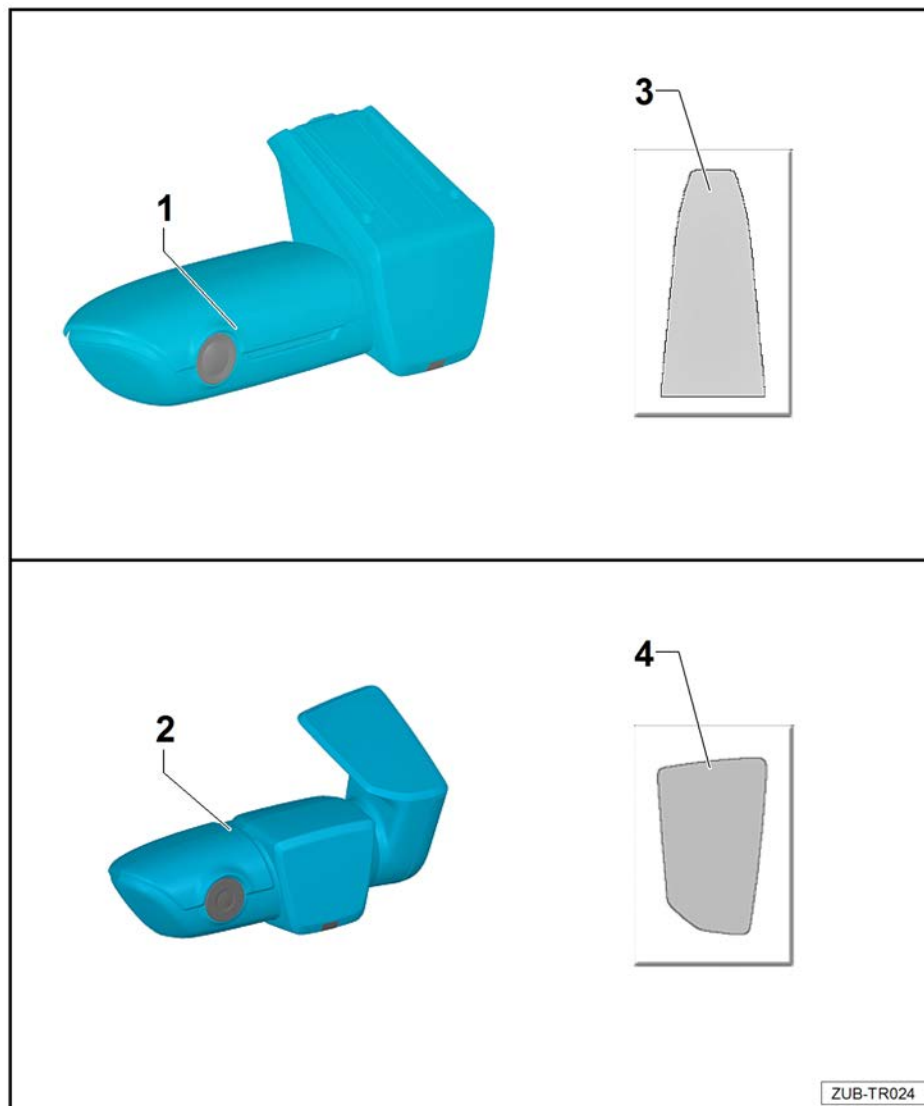
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

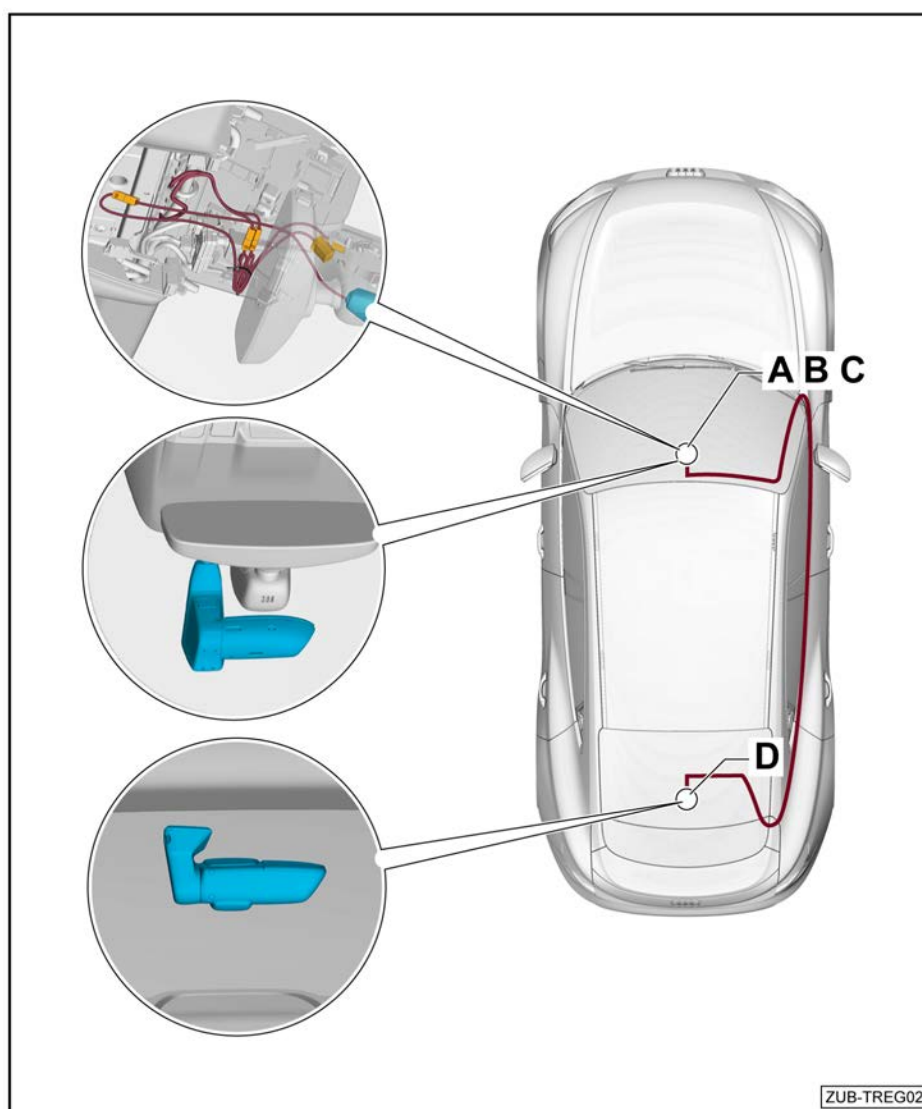


Not included in the scope of delivery, must be ordered separately: UTR wiring harness 4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim on the passenger side
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the C-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the C-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

Print out the template.

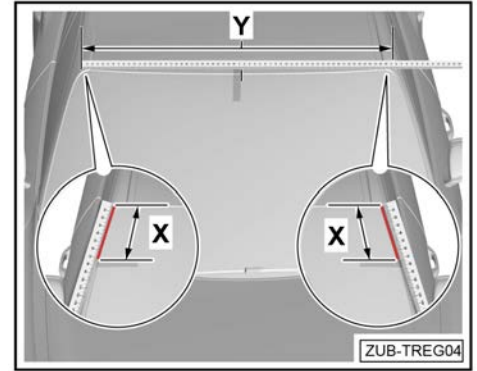
The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".



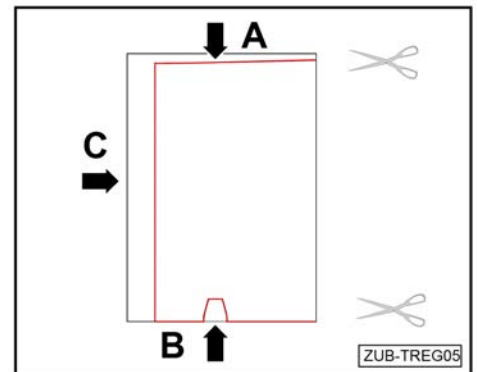
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

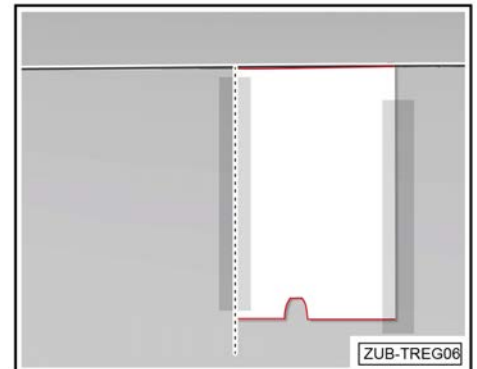


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



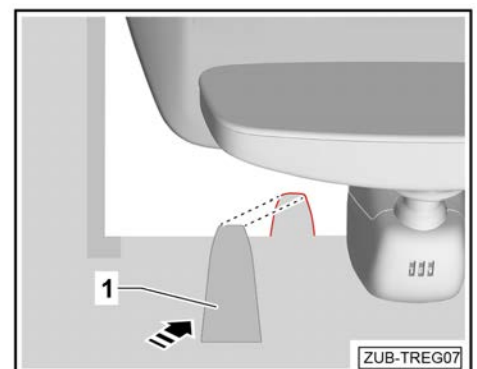
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



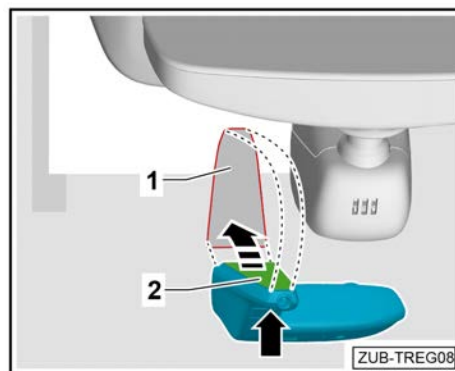


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



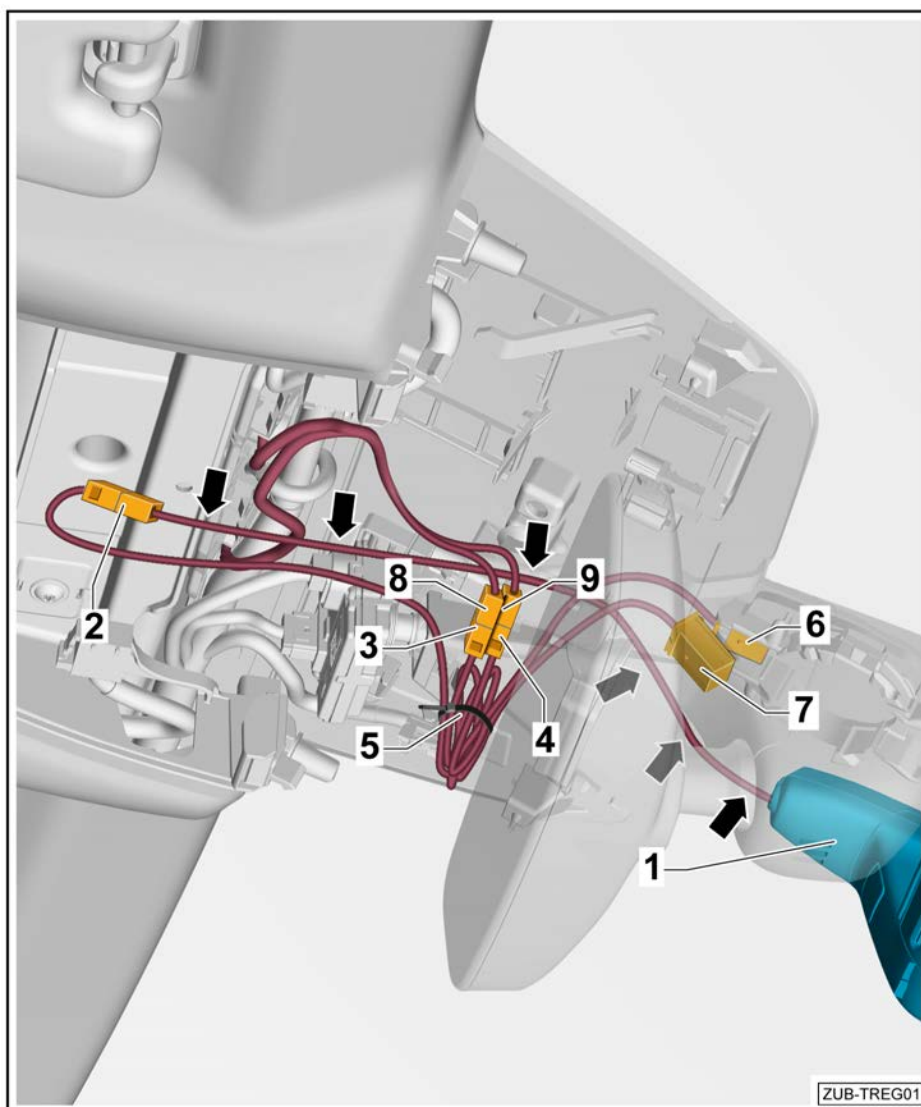
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

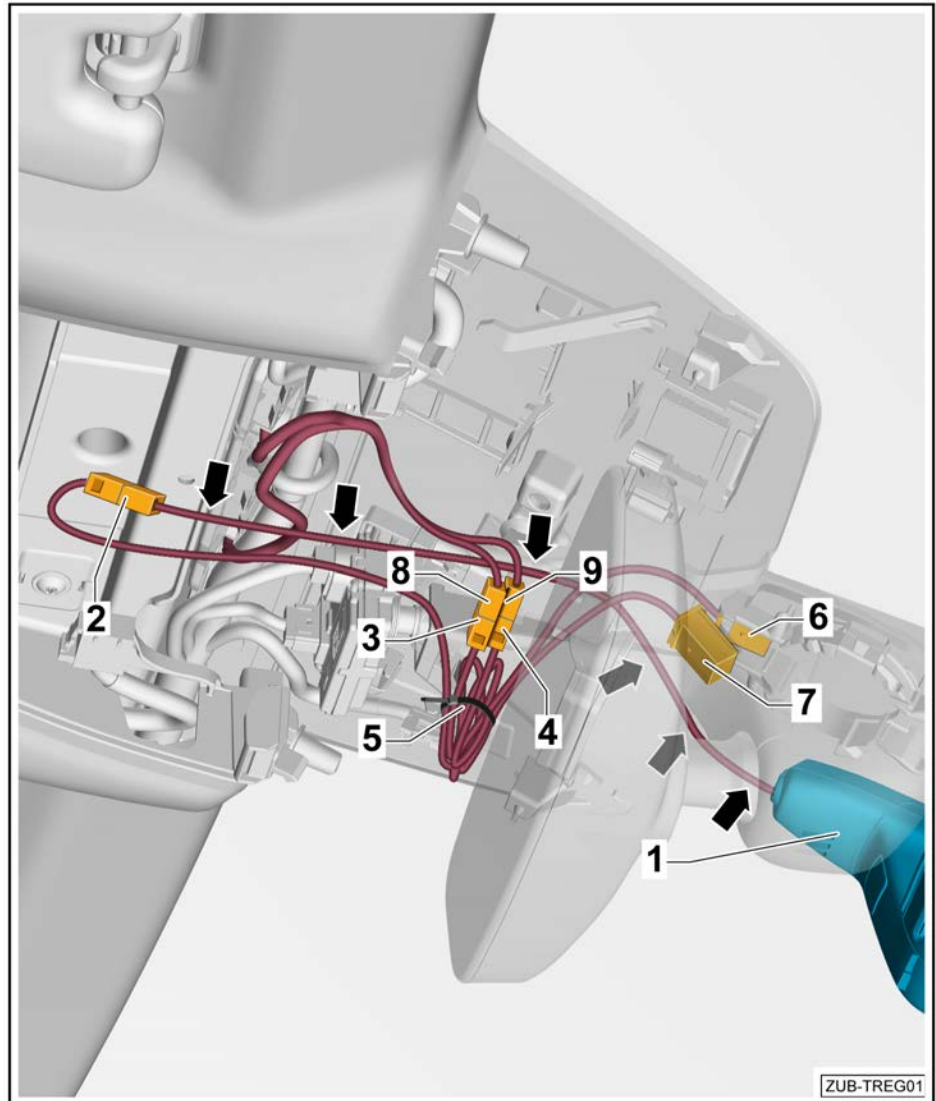
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily. To do this, loosen the mounting screws.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the passenger side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower right of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions



The room temperature must be 20°C +/- 4 C.

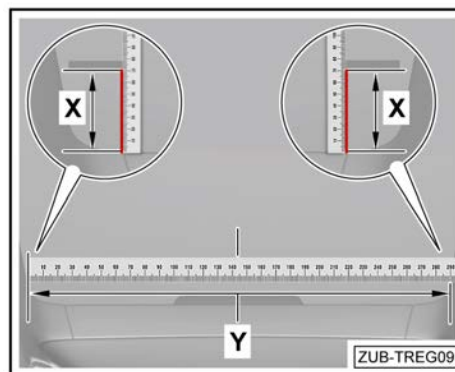
If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

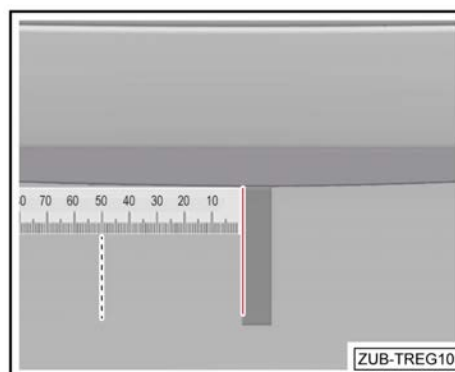
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

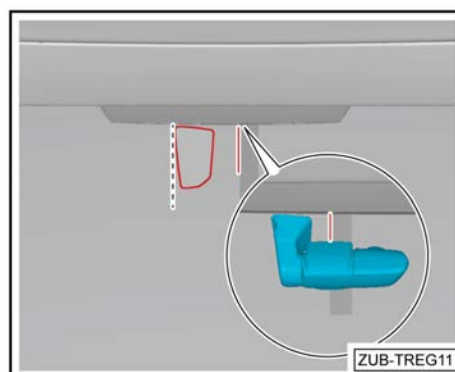


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.



5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi e-tron GT (4J) - AU513/2

Note:
When printing this template
dont make any format adaption!

window edge

STR

Check dimensional change!

Nominal size: 100mm

mid windscreen

Stand: 03/21

Installation instructions

Audi Universal Traffic Recorder

Audi A8 (4H) 2014 ►

**Wiring harness 4G0.063.511.AA
for scope of delivery
4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A
Audi Genuine Accessories**

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.

3.3 Framework conditions for installing the Audi Universal Traffic Recorder

The Audi Universal Traffic Recorder must be installed at a workshop.

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

The window must be free from dust and grease on both the outside and the inside.

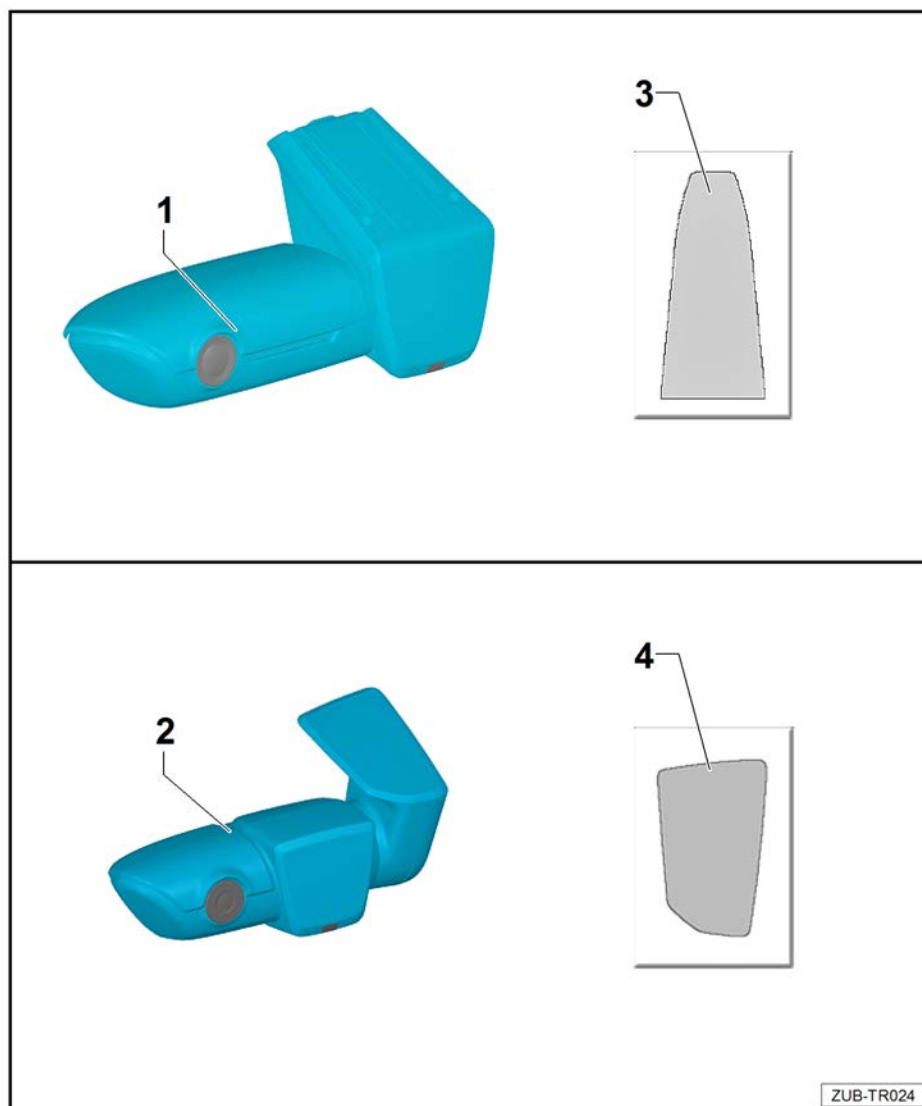
Only calibrated measuring equipment may be used.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

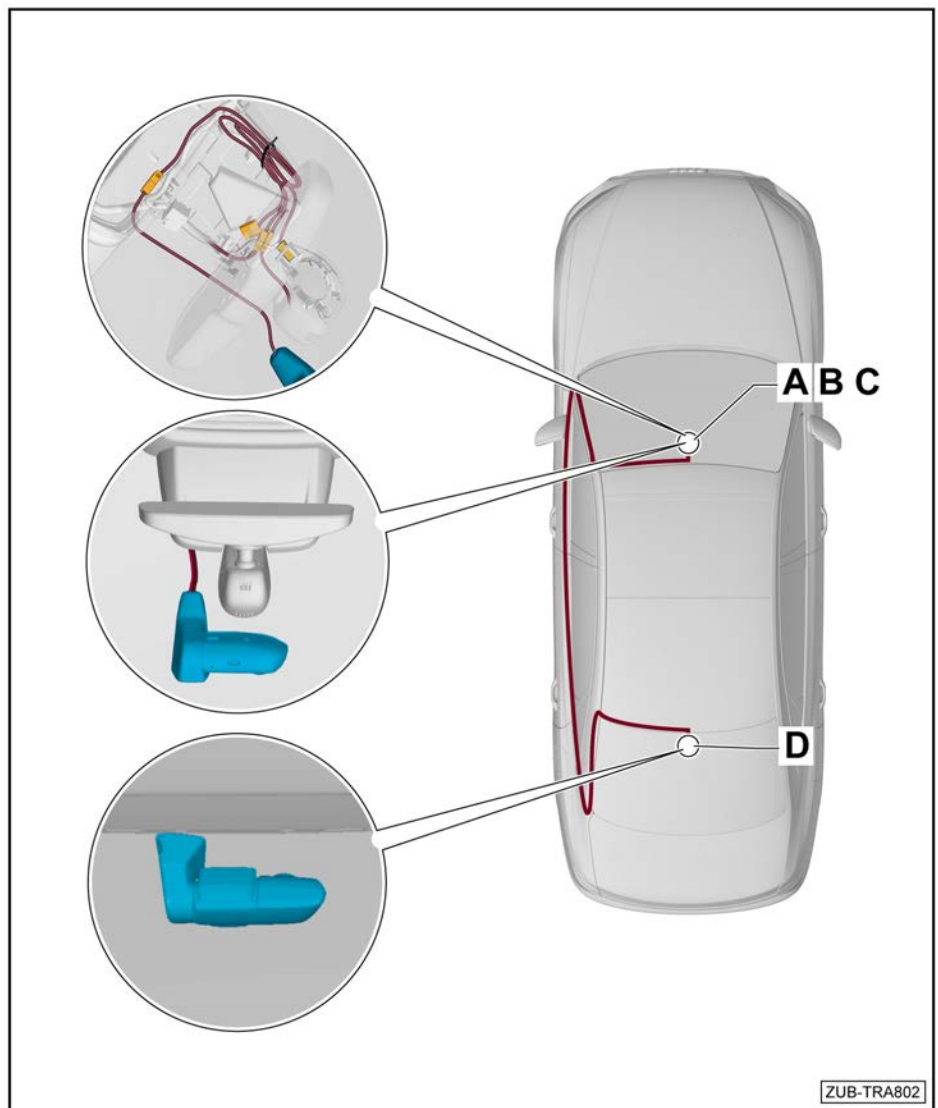
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Remove the roof module ⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module
- Remove the driver side sun visor ⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor ⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the windscreen projection cover (head-up display) (optional) ⇒ General body repairs, interior; Rep. gr. 90; Dash panel insert; Assembly overview — windscreen projection (head-up display)
- Remove the top dash panel cover ⇒ General body repairs, interior; Rep. gr. 68; Storage compartments, covers; Removing and installing the top dash panel cover
- Remove the A-pillar trim on the driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim on the driver side
- Remove the sill panel trim on the front driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

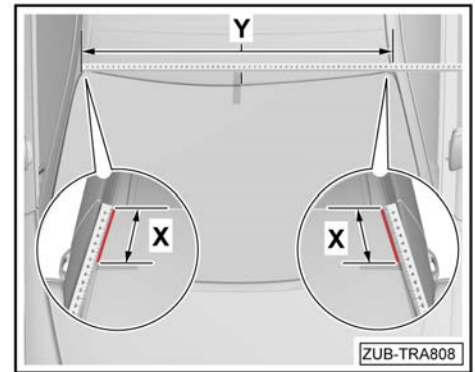
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

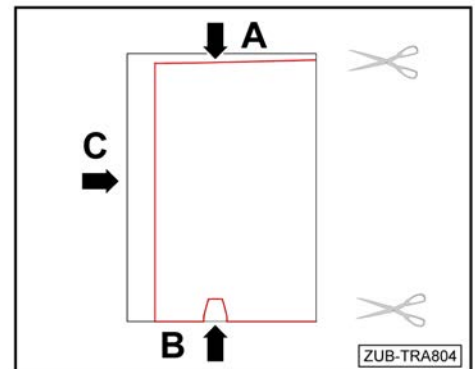
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

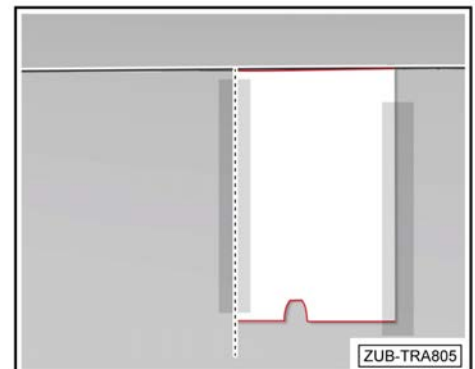


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



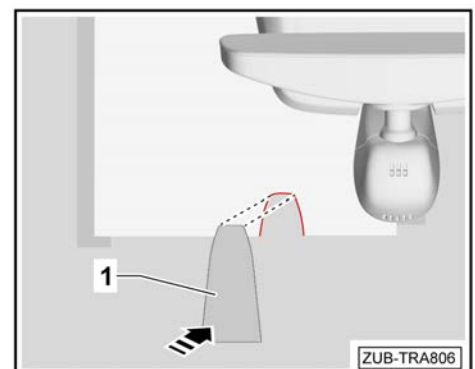
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

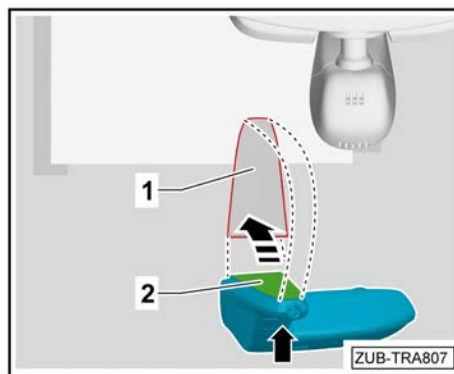


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



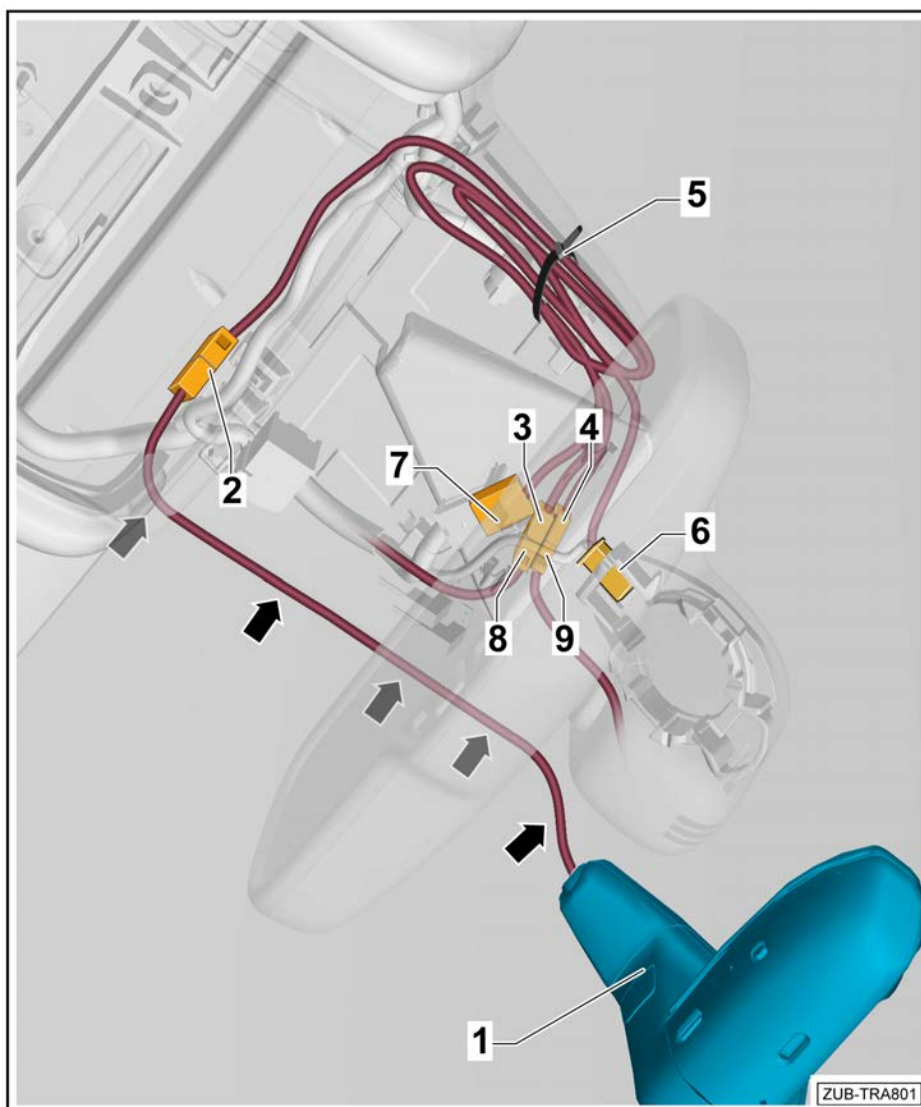
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

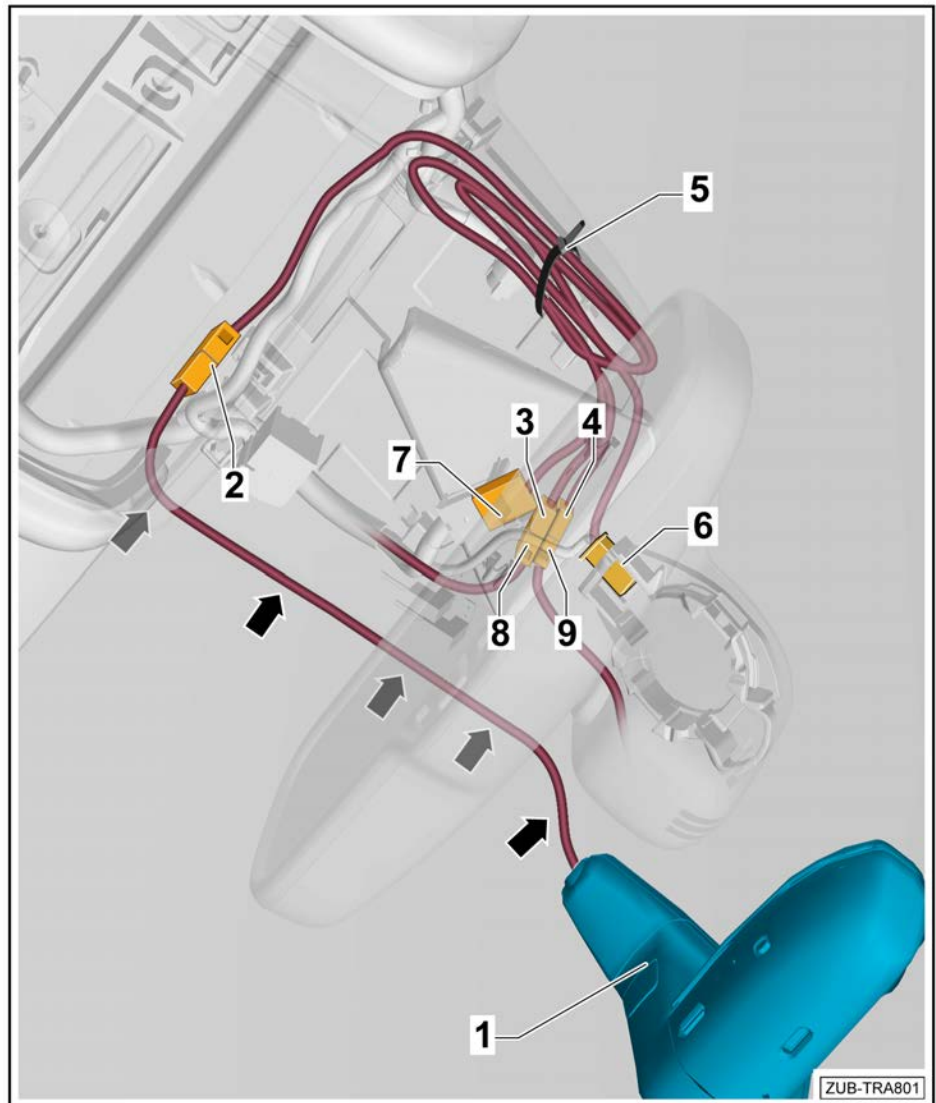
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily. To do this, loosen the mounting screws.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the passenger side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower right of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

5.4 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

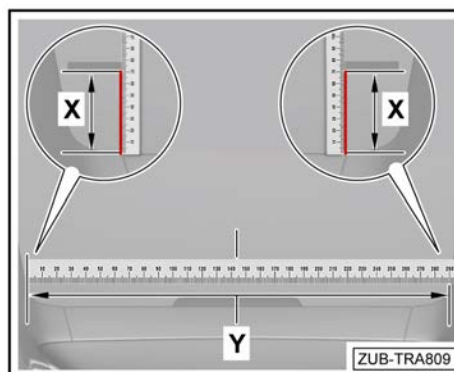


Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

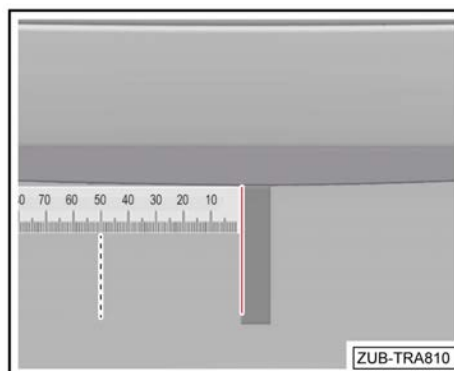
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

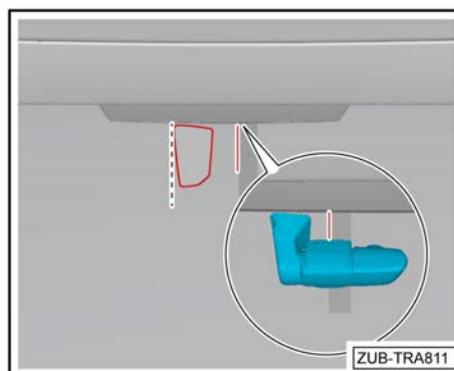


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.5 Concluding operations

– Connect the battery⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:



- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A8 (4H) - AU641

A

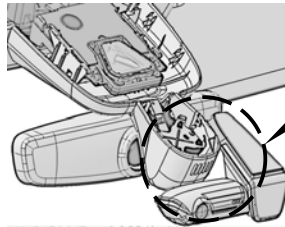
window edge

B

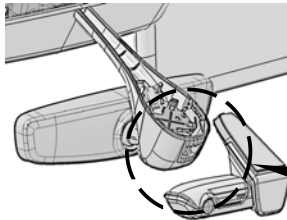
window edge

mid windscreen

B



A



Check dimensional change!

Nominal size: 100mm

Note:

When printing this template don't make any format adaption!

STR

Installation instructions

Audi Universal Traffic Recorder

Audi A8 (4N) 2019 ►

Audi A8L (4N) 2019 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



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TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.

3.3 Framework conditions for installing the Audi Universal Traffic Recorder

The Audi Universal Traffic Recorder must be installed at a workshop.

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

The window must be free from dust and grease on both the outside and the inside.

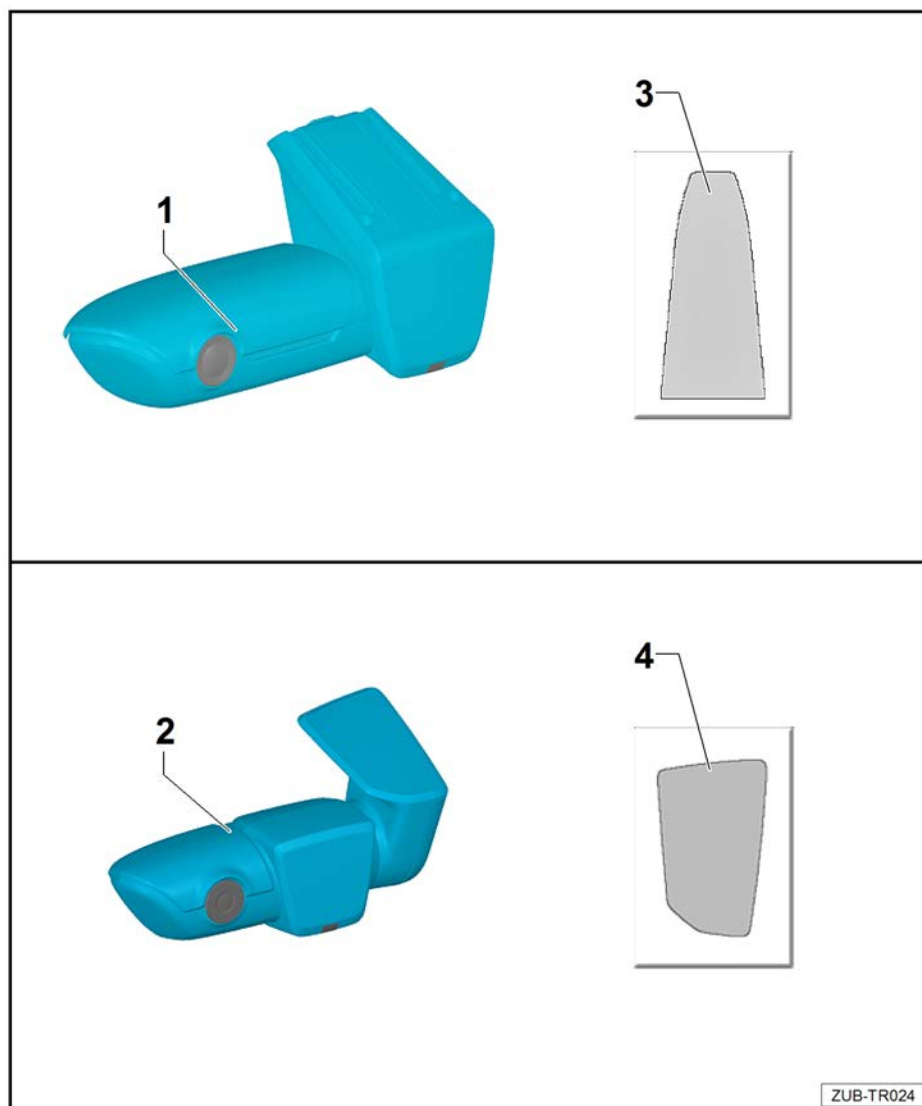
Only calibrated measuring equipment may be used.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

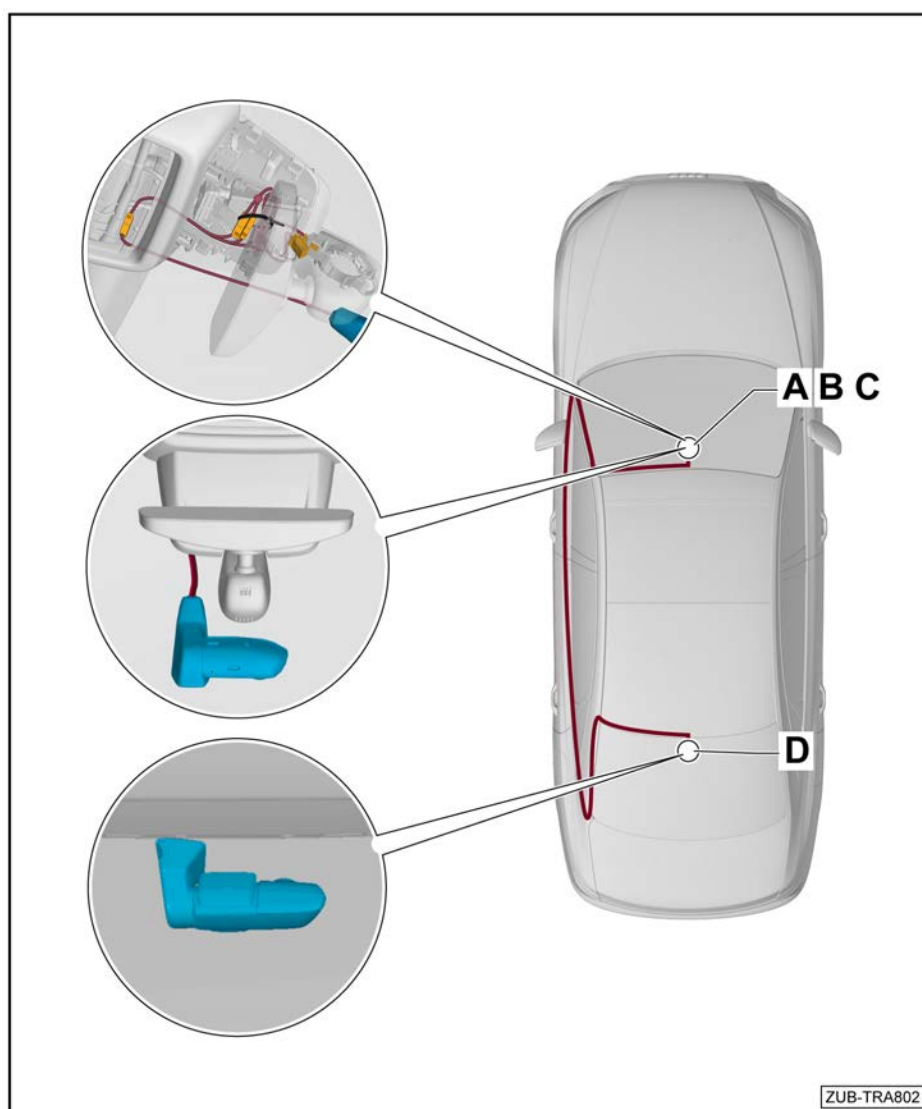


Not included in the scope of delivery, must be ordered separately: UTR wiring harness 4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Remove the roof module ⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module
- Remove the driver side sun visor ⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor ⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the windscreen projection cover (head-up display) (optional) ⇒ General body repairs, interior; Rep. gr. 90; Dash panel insert; Assembly overview — windscreen projection (head-up display)
- Remove the top dash panel cover ⇒ General body repairs, interior; Rep. gr. 68; Storage compartments, covers; Removing and installing the top dash panel cover
- Remove the A-pillar trim on the driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim on the driver side
- Remove the sill panel trim on the front driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side ⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

Print out the template.

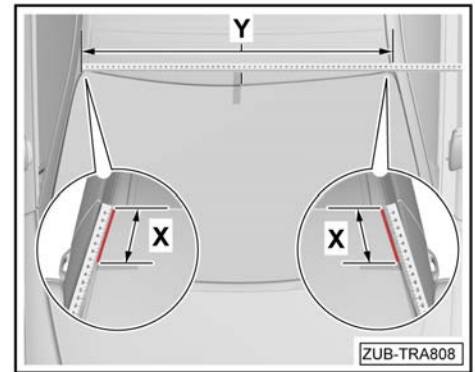
The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".



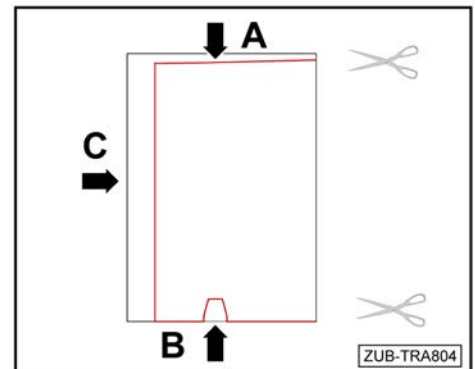
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

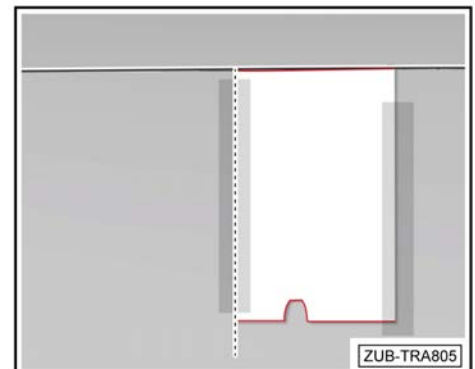


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



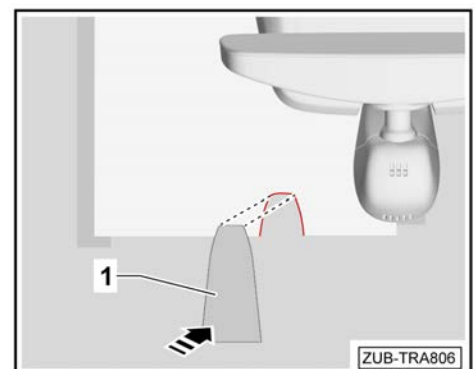
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



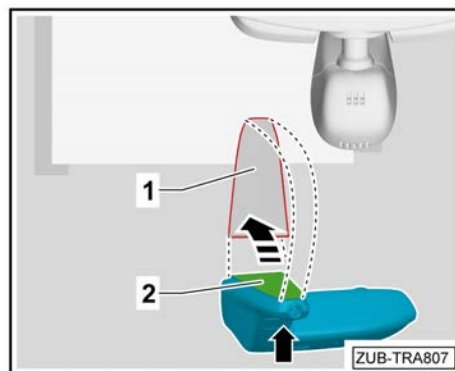


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the windscreen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



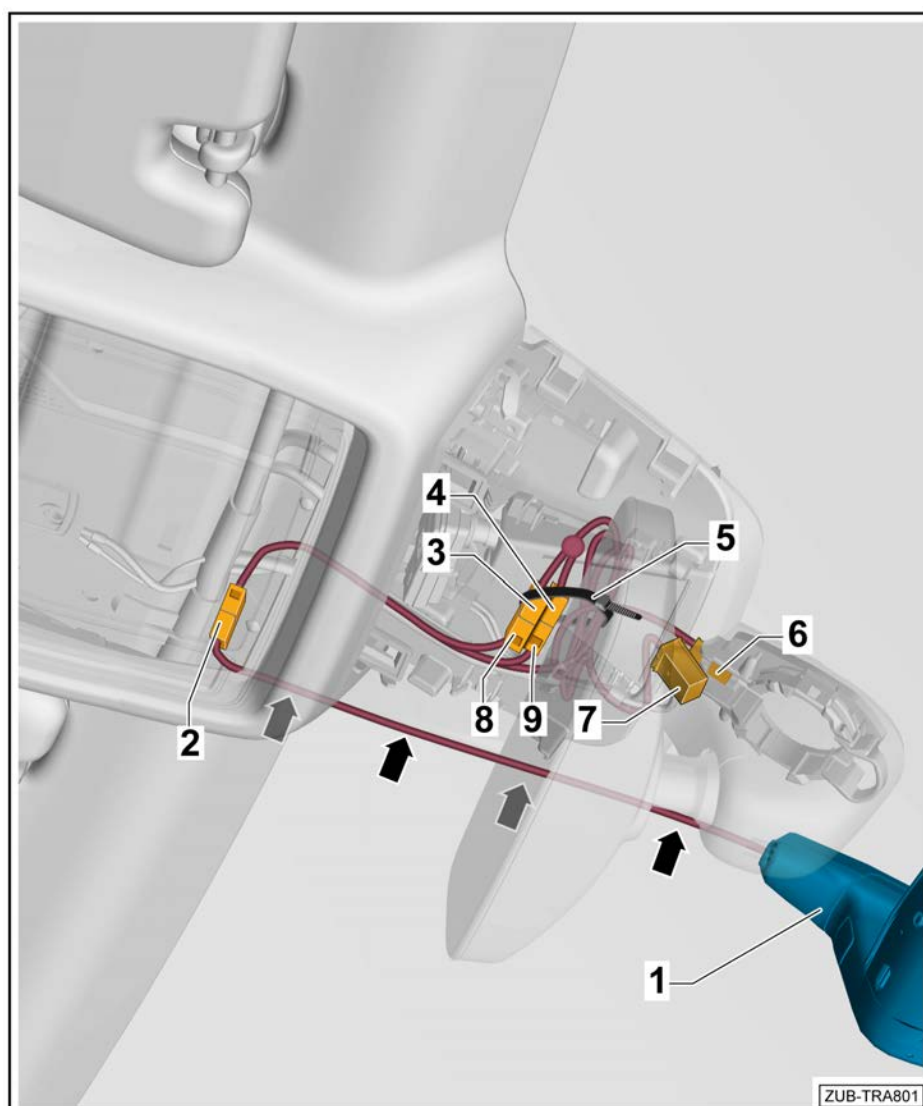
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

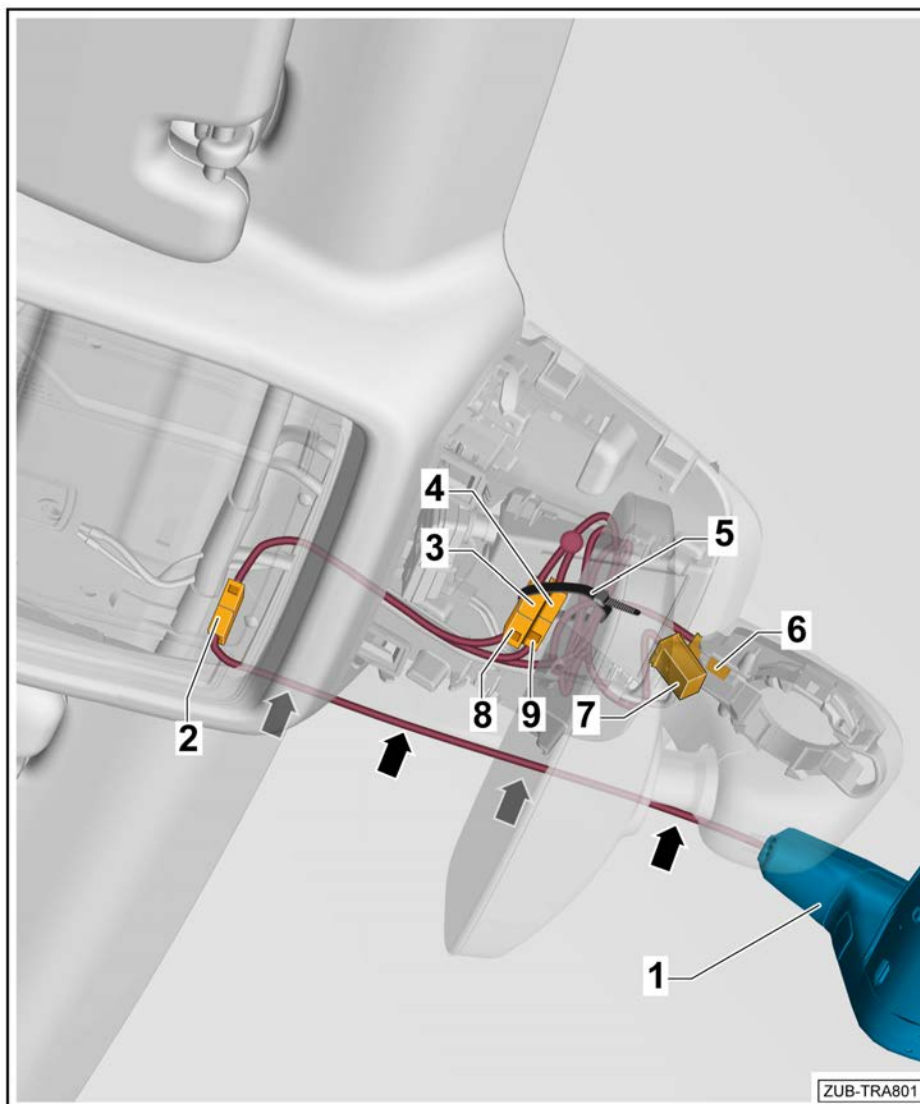
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily. To do this, loosen the mounting screws.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the passenger side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower right of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

5.4 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

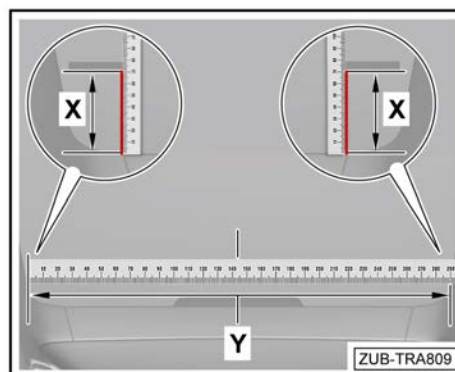


Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

Install the rear camera only in the specified area of the rear window.

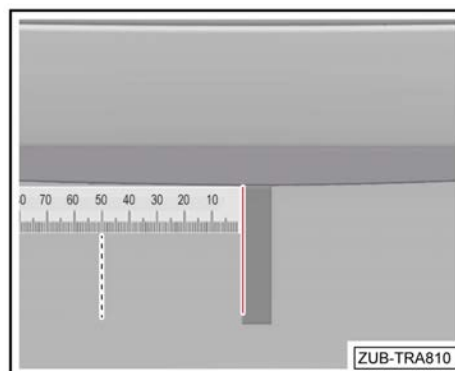
-1- Starting from the right-hand and left-hand corners of the window edge, measure -dimension X- vertically downwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

X = 70 mm

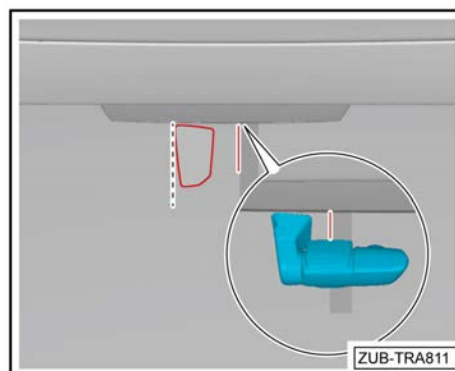


-2- The first technician sits in the vehicle facing the rear. The second technician stands behind the vehicle to help them position the camera.

Working inwards from the centre point, measure 50 mm to the left and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.

Route any excess wire back into the trim.

5.5 Concluding operations

– Connect the battery⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

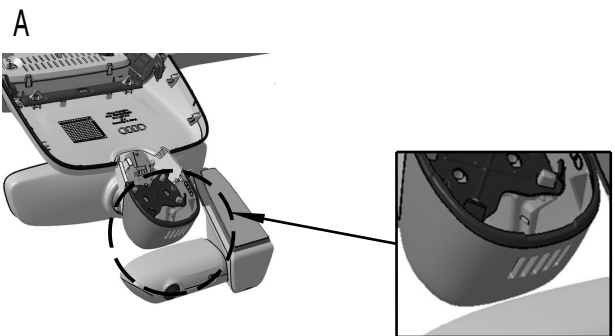


- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A8 (4N) - AU651

window edge

A



Check dimensional change!

Nominal size: 100mm

mid windscreen

STR

Note:
When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi TT 2015 ►

Audi TT 2018 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

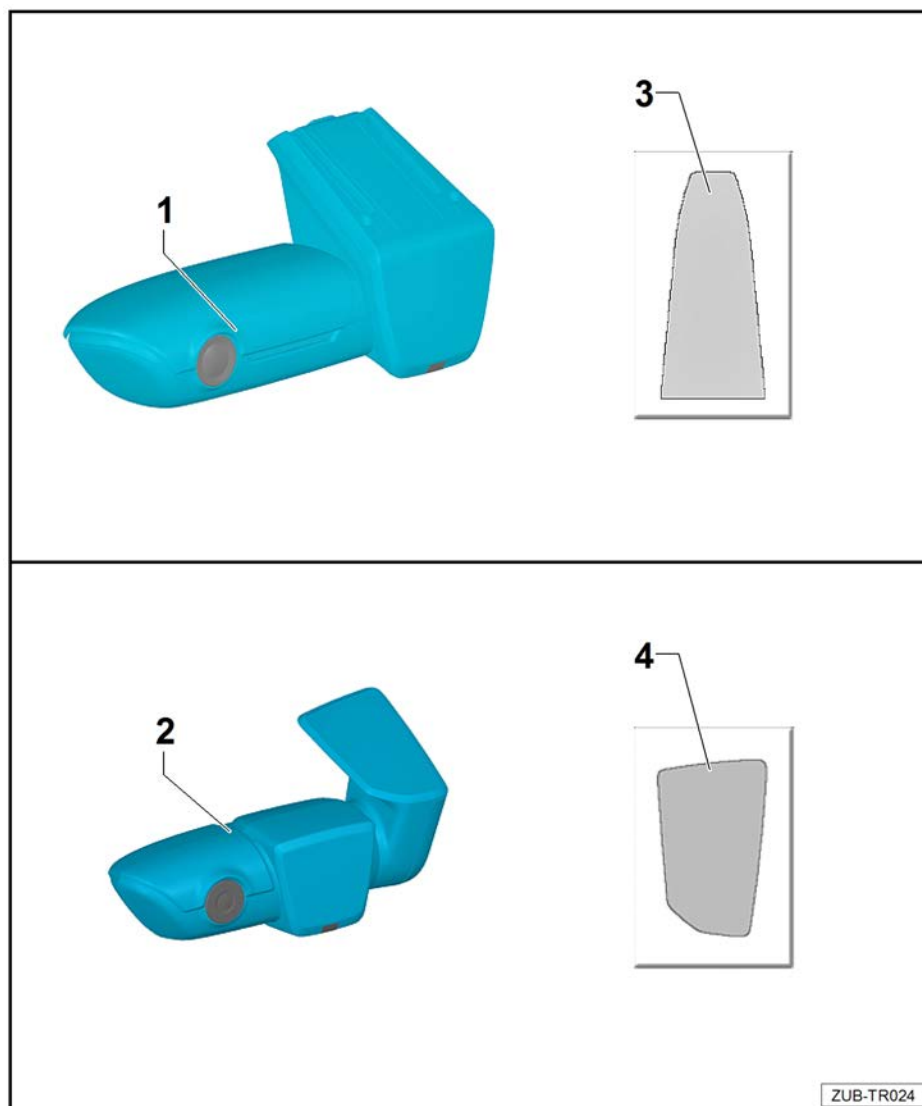
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

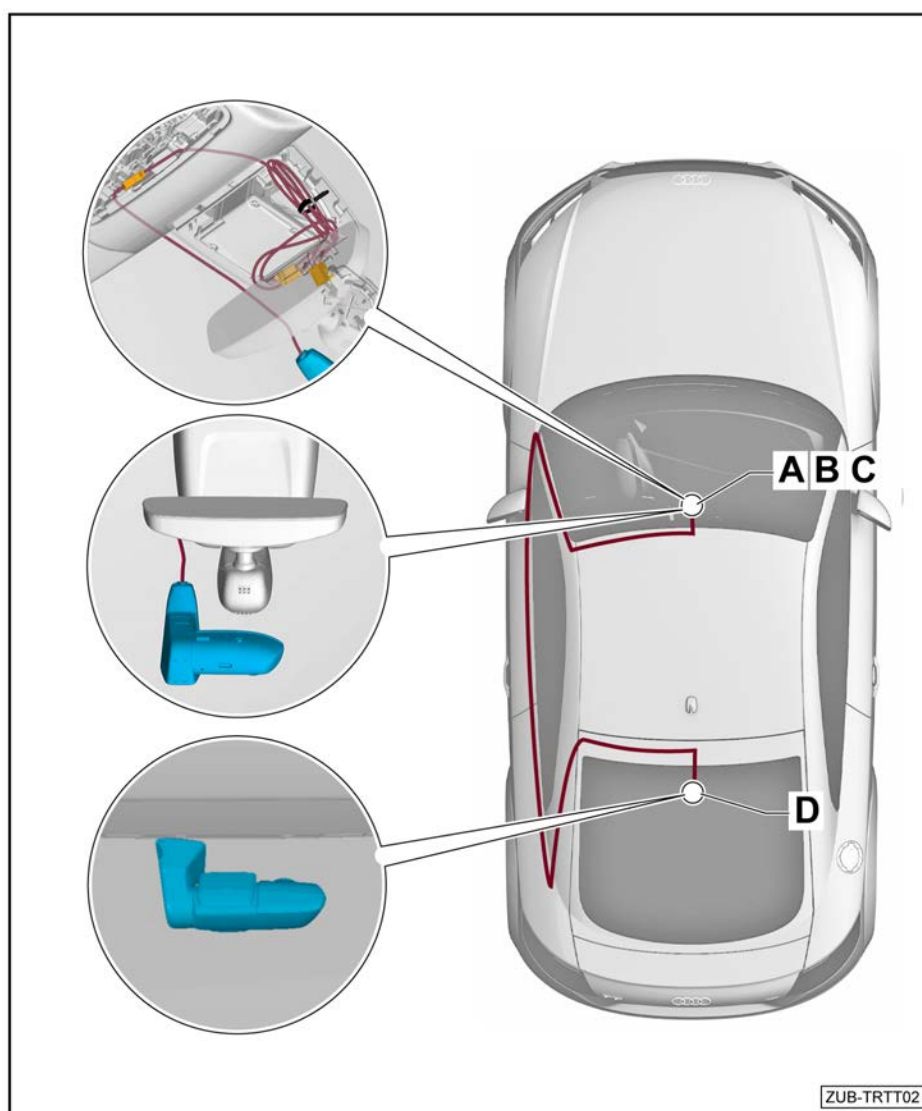
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the C-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the C-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

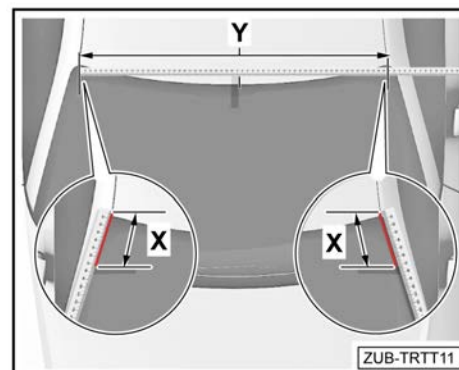
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

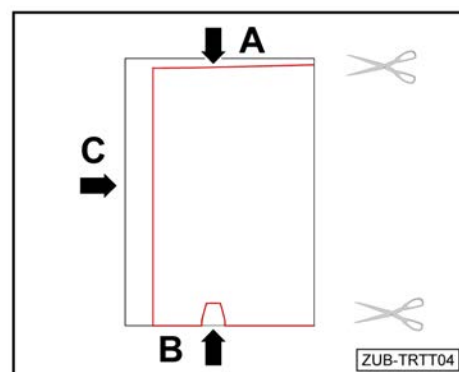
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

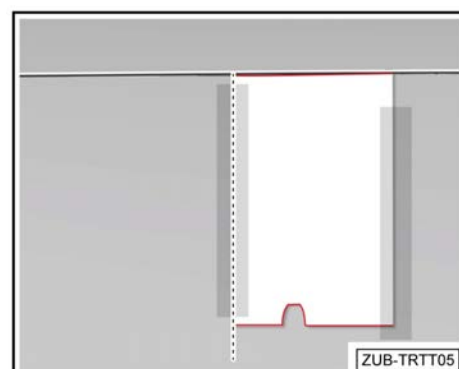


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



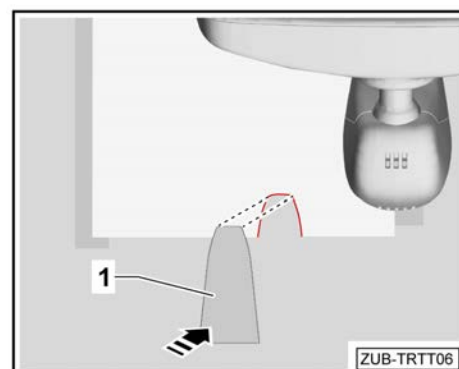
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

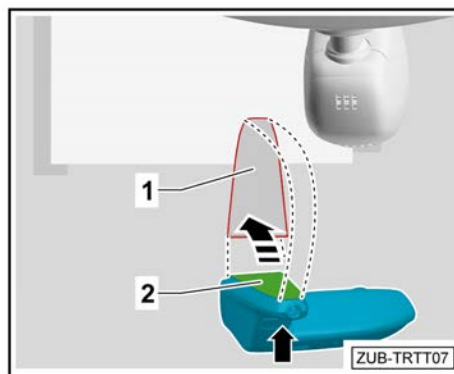


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



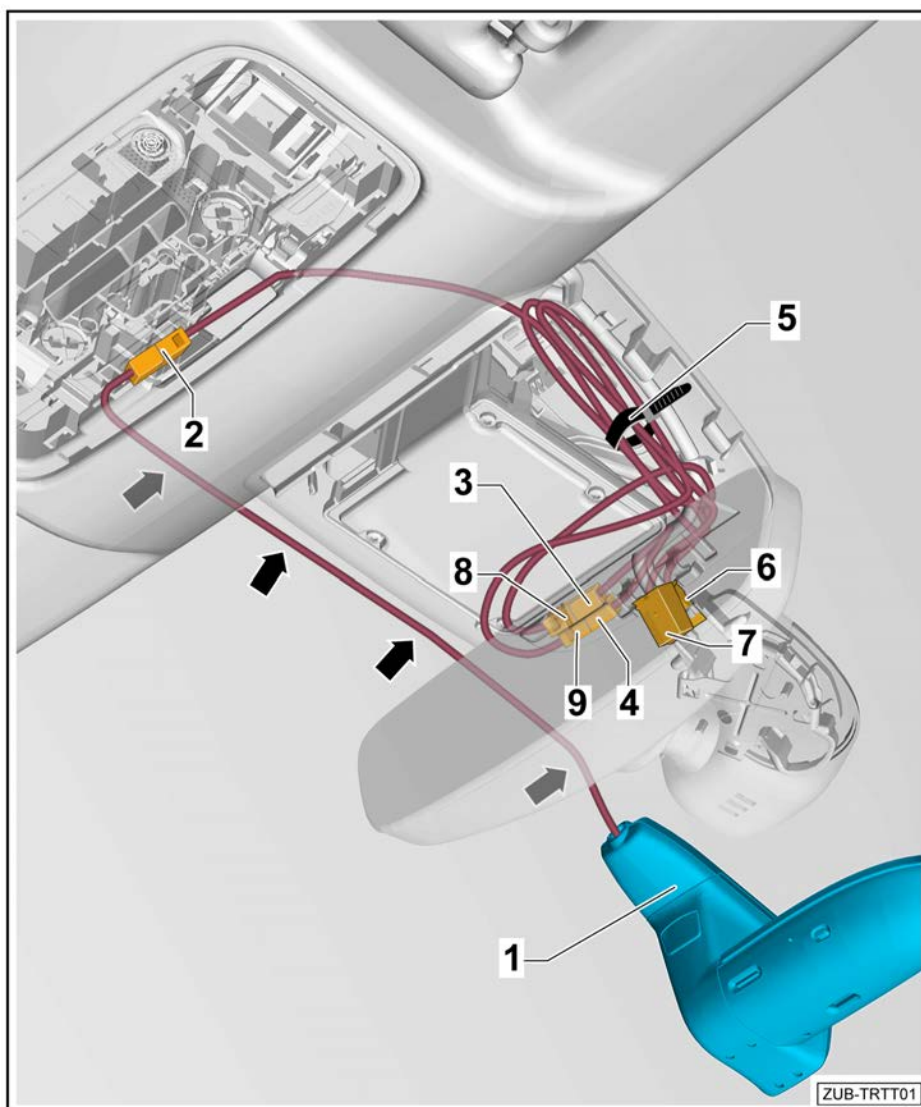
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

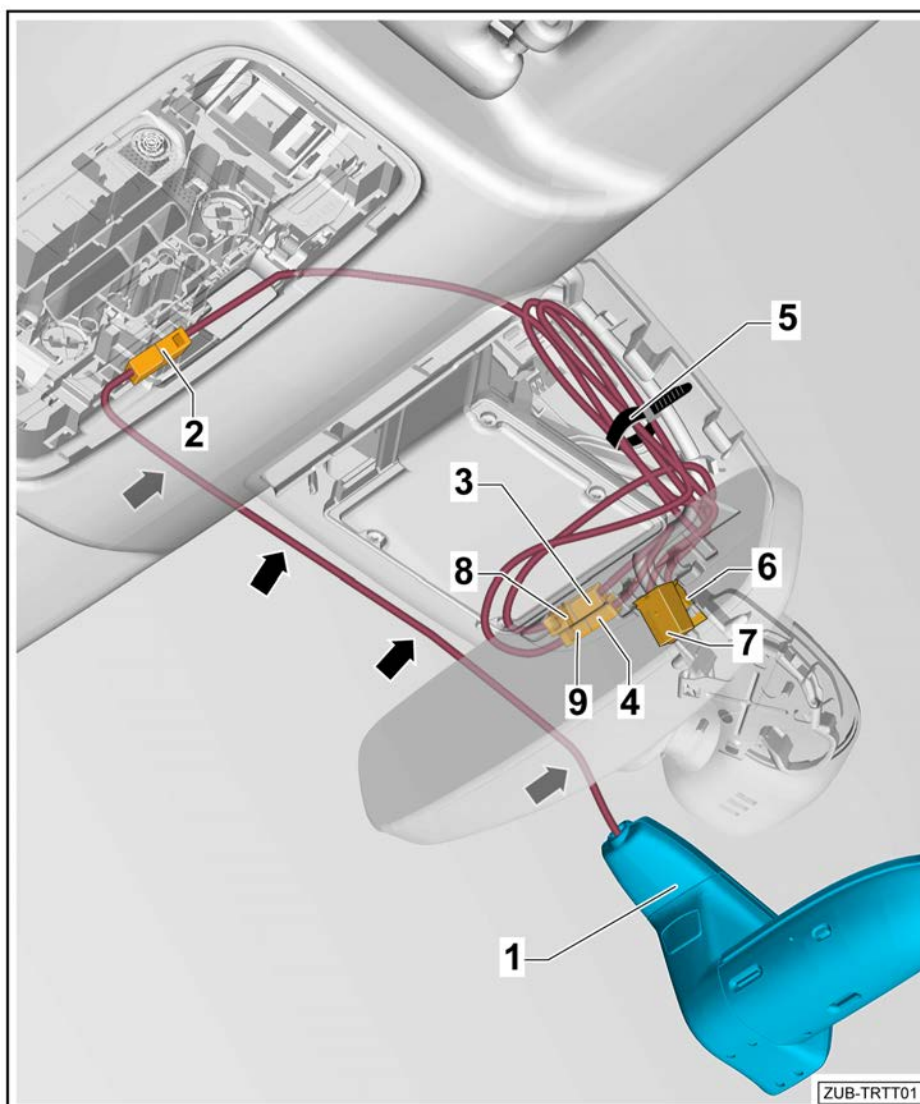
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

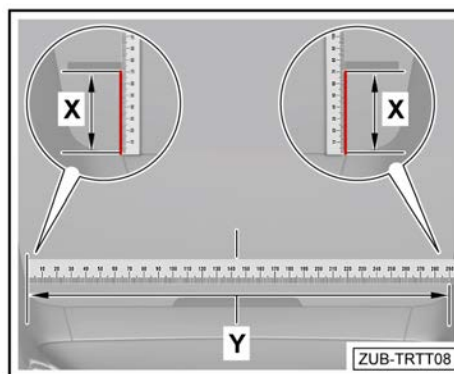
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

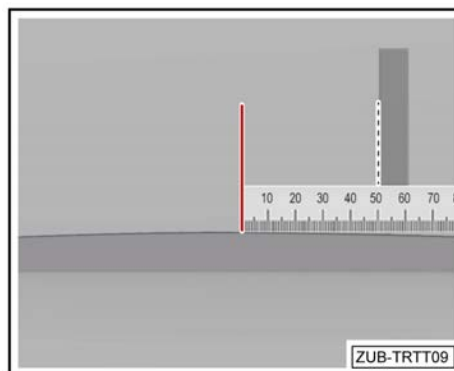
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

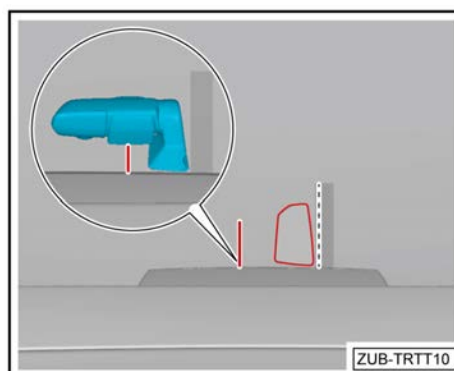
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

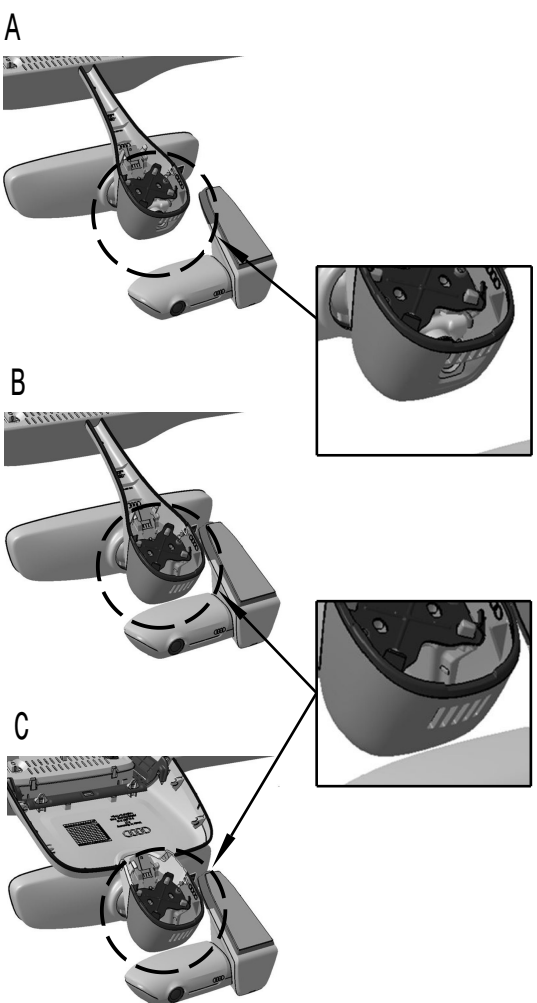
Audi TT (8S) - AU434/AU435

Stand: 11/18

Note:

When printing this template
don't make any format adaption!

STR



window edge

window edge

window edge

Check dimensional change!

Nominal size: 100mm

mid windscreen

A

C

B

Installation instructions

Audi Universal Traffic Recorder Audi Q2 2017 ►

**Wiring harness 4G0.063.511.AA
for scope of delivery
4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A**

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

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CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

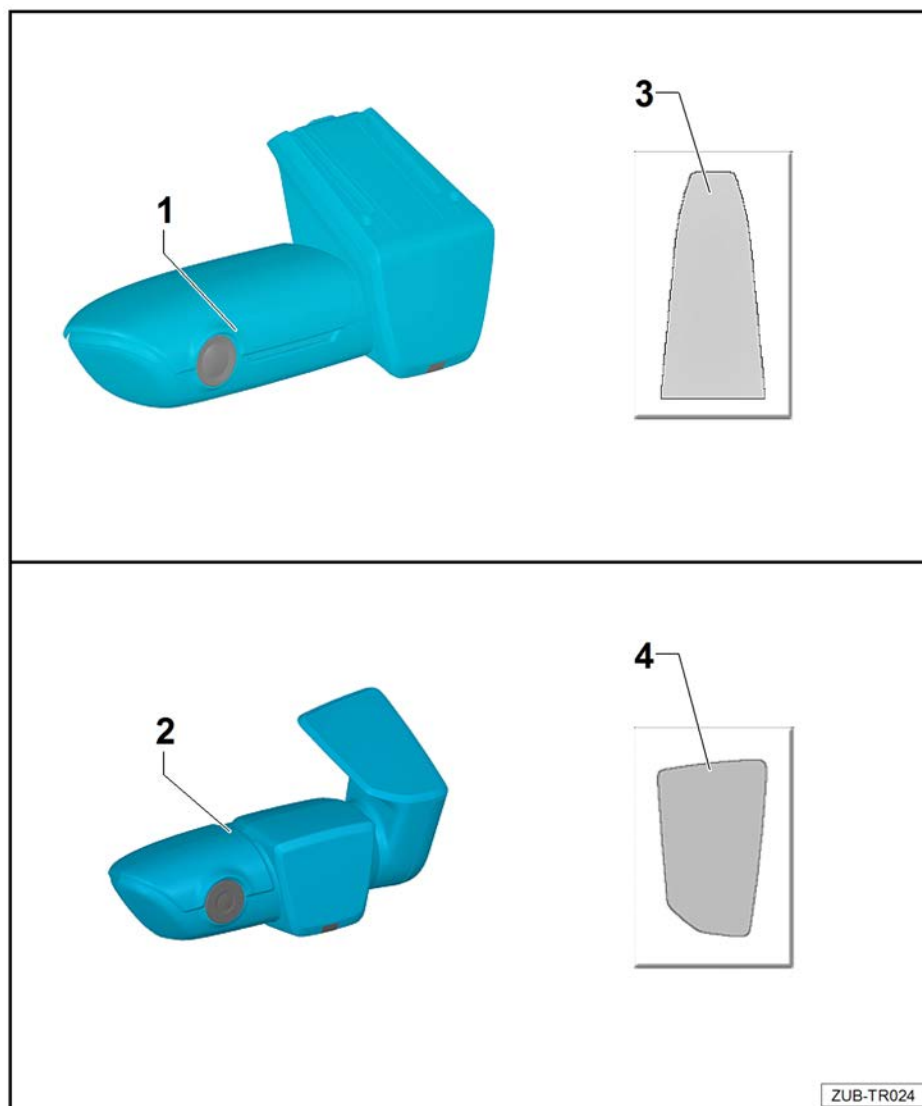
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

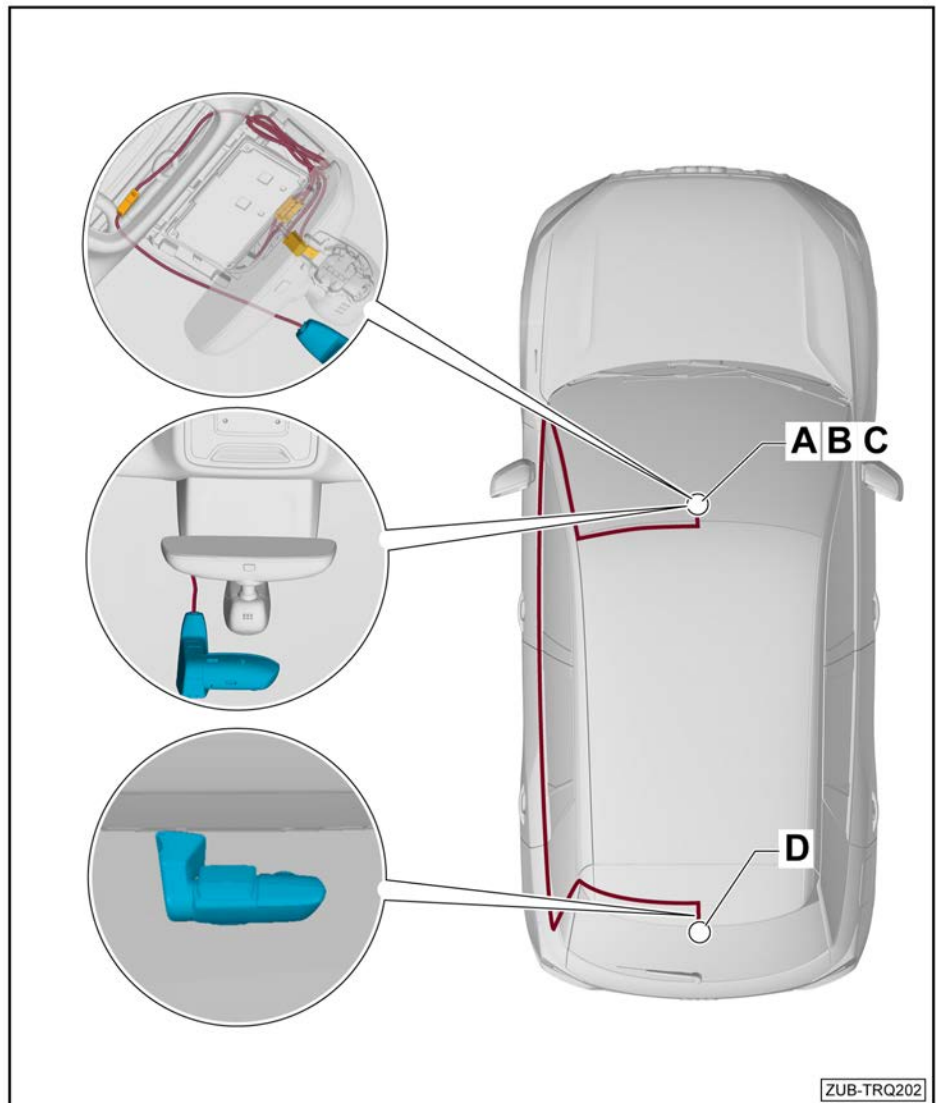
Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

Applies to vehicles with a wide mirror base and vehicles with a narrow mirror base

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

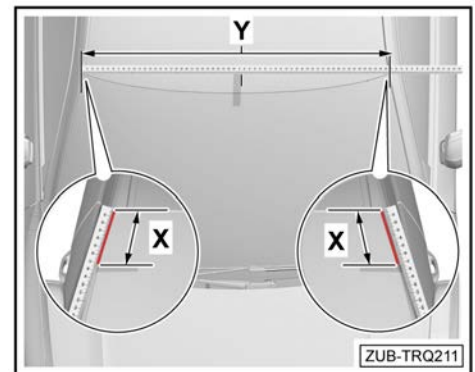
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

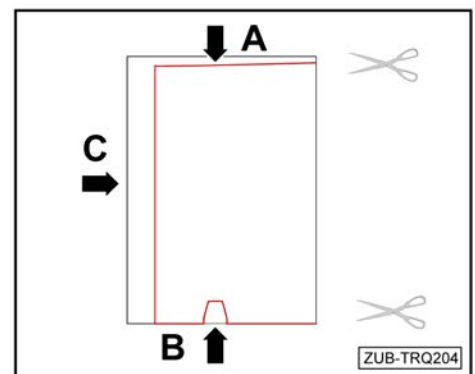
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

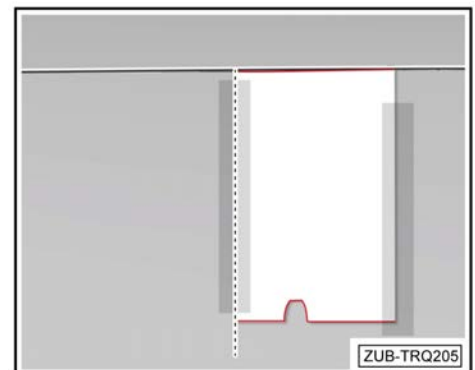


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



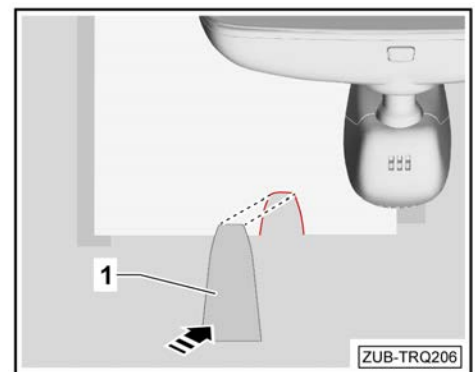
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



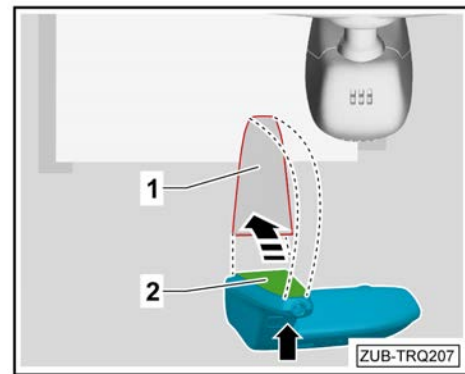


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



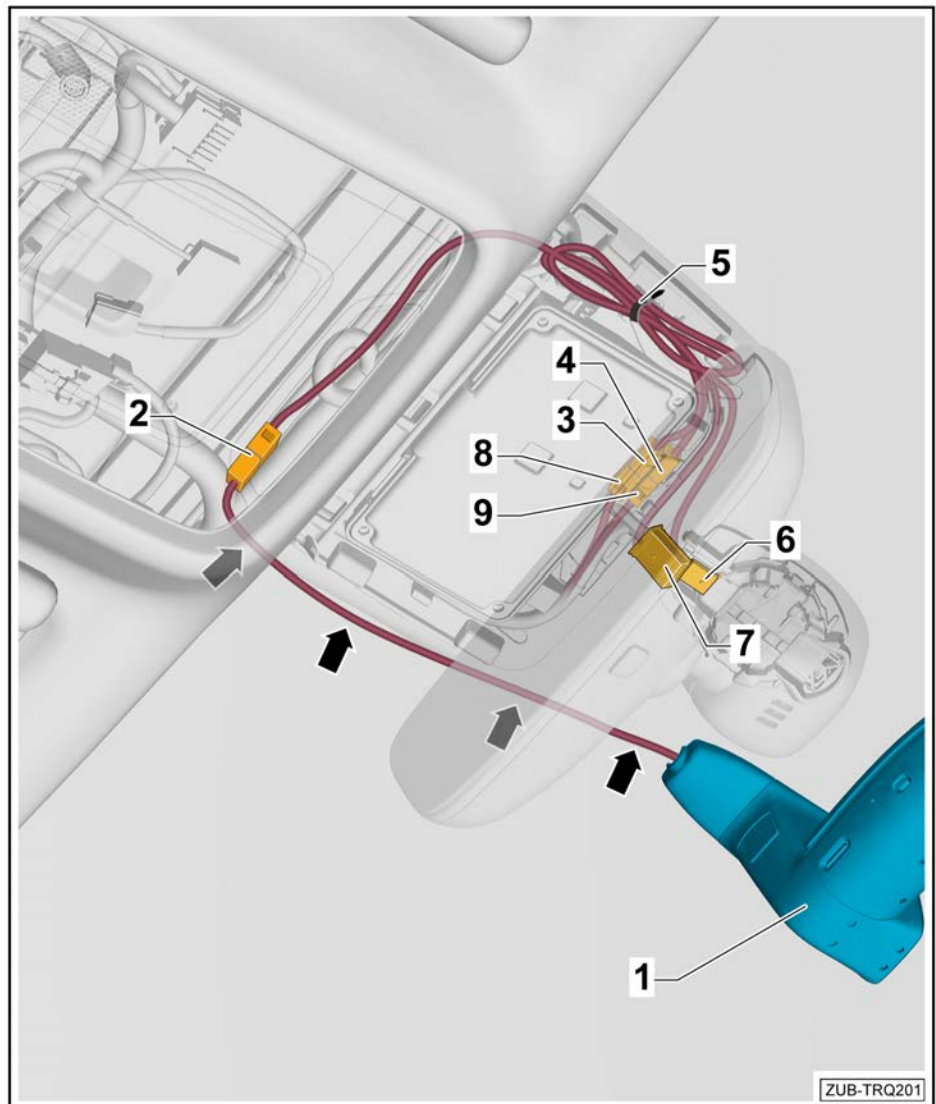
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

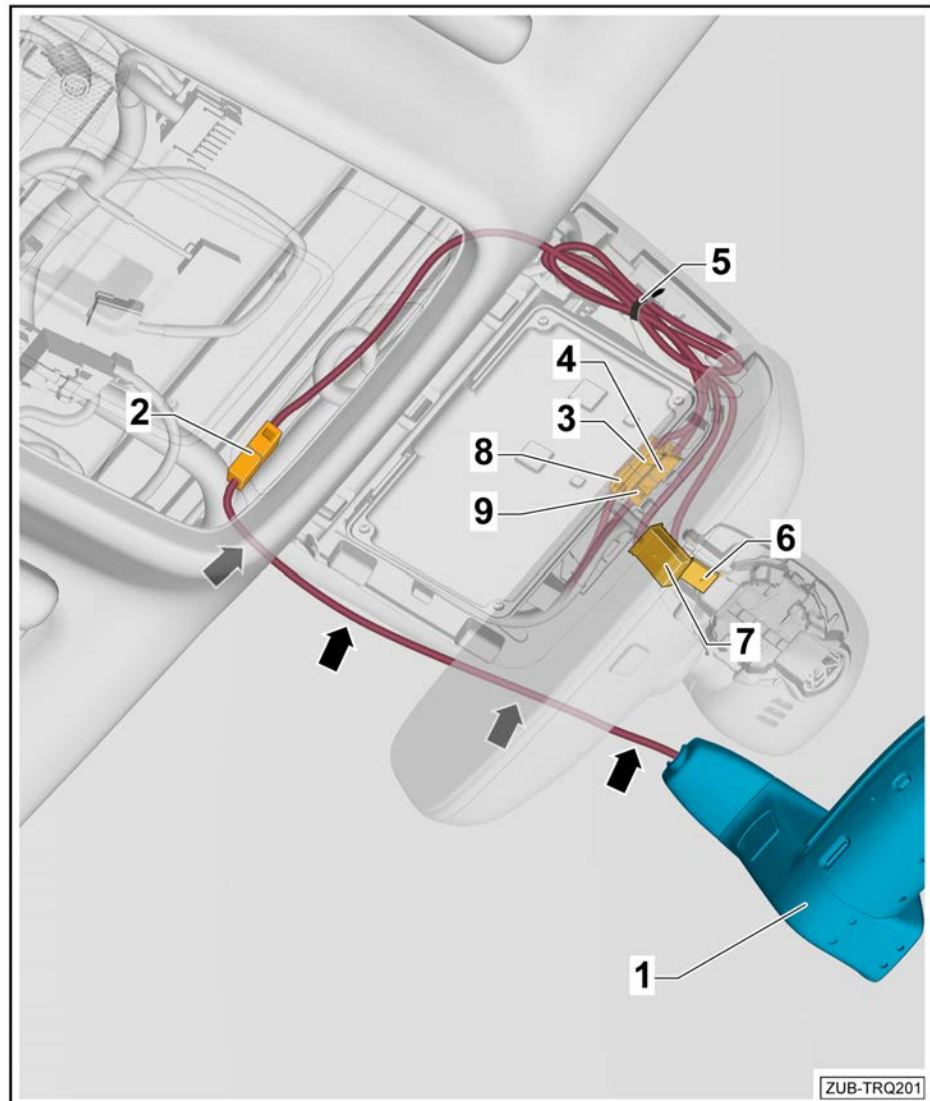
5.3 Connecting the UTR wiring harness

Applies to vehicles with a wide mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

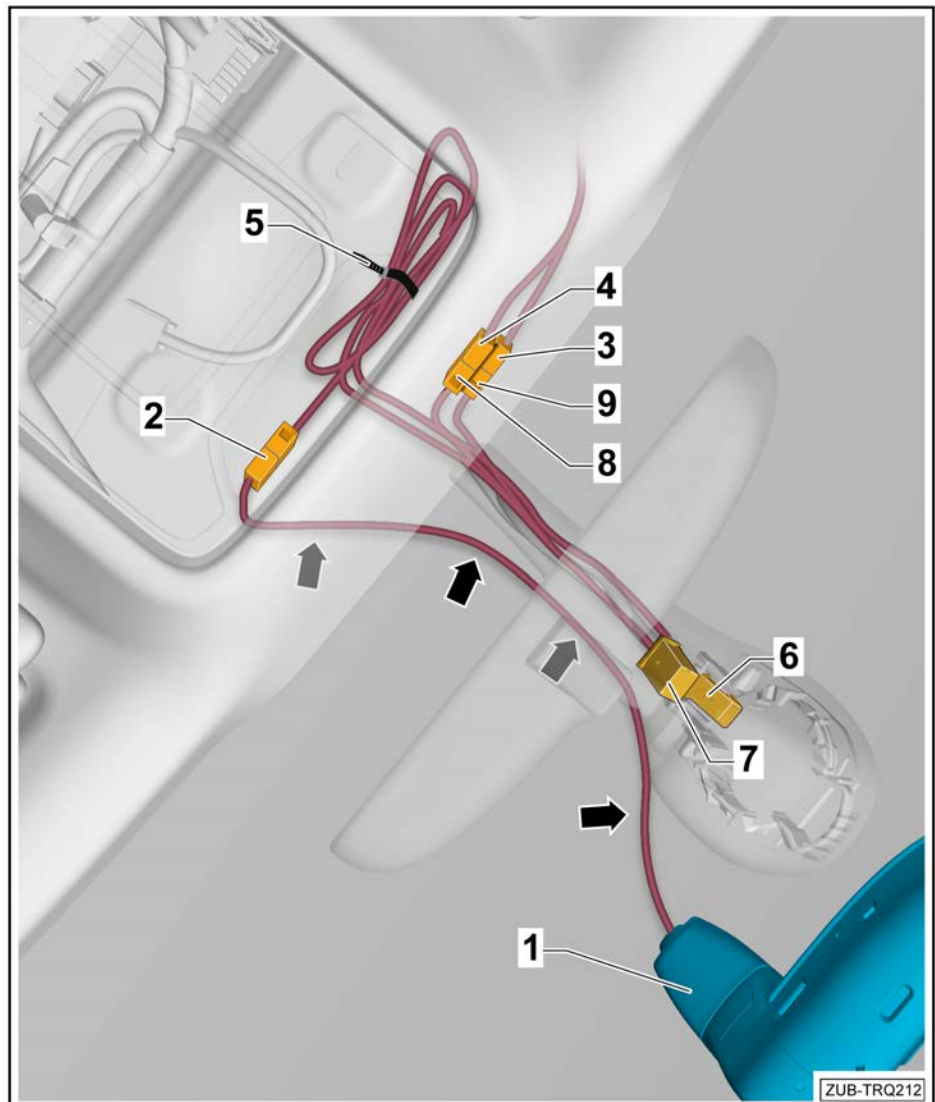
Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

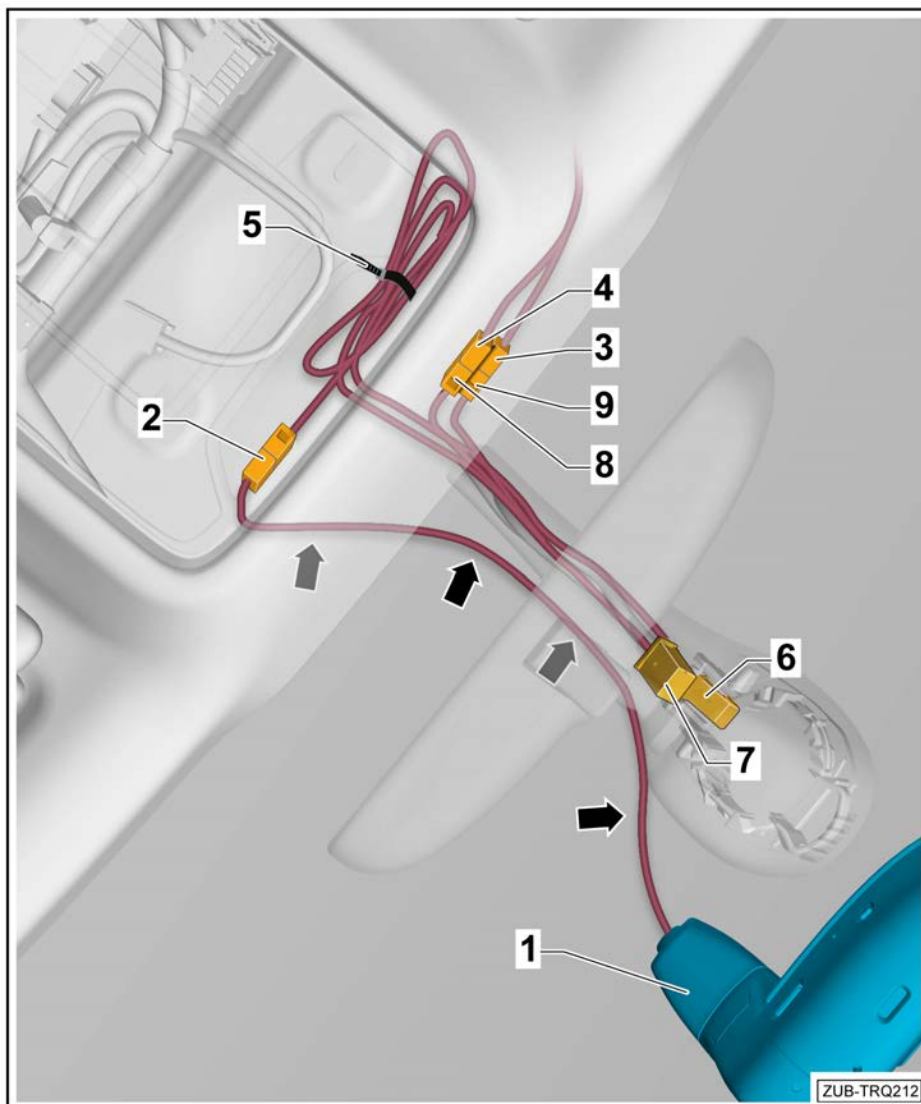
5.4 Connecting the UTR wiring harness

Applies to vehicles with a narrow mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.5 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.6 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

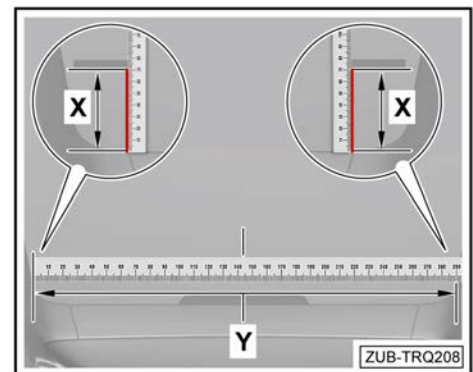
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

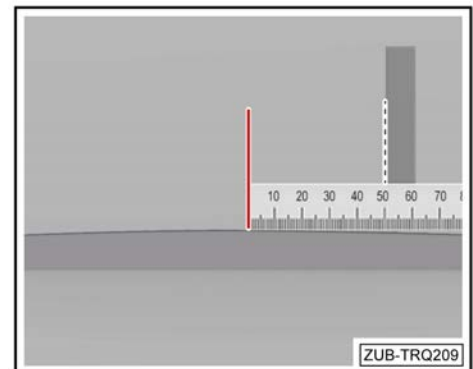
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

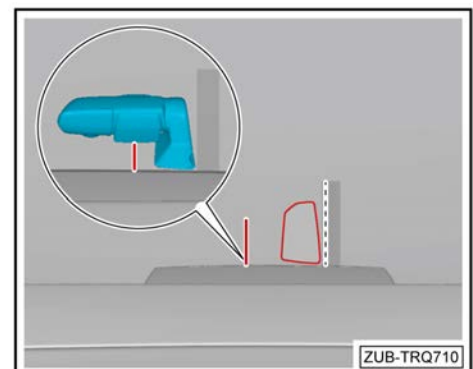
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

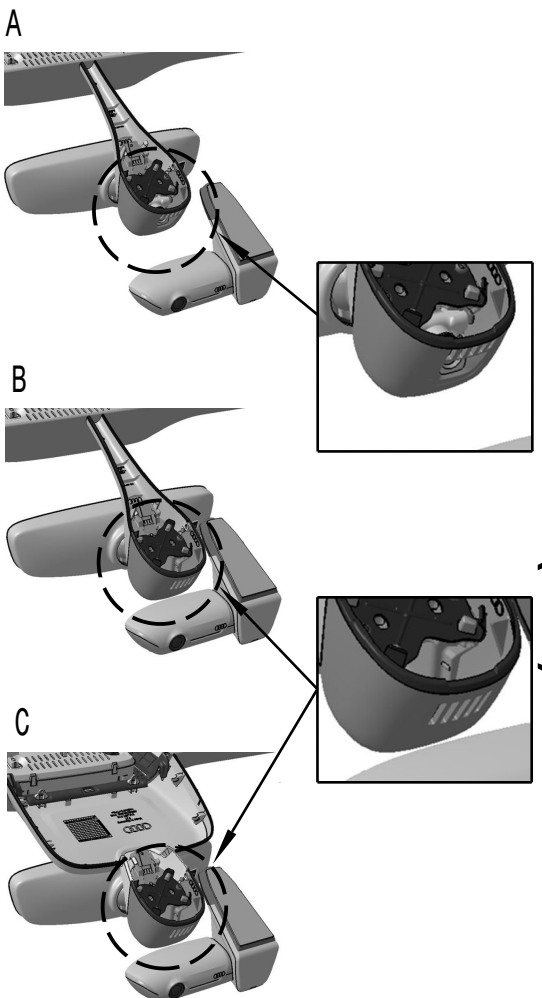
5.7 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q2 (GA) - AU276



Note:
When printing this template
dont make any format adaption!

window edge

window edge

A

B/ C

mid windscreen

STR

Check dimensional change!

Nominal size: 100mm

Installation instructions

Audi Universal Traffic Recorder

Audi Q3 (8U) 2015 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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4	Overview of components, scope of delivery and overview of fitting location	4
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5	Sequence of operations	6
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5.2	Installing the front camera	6
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1 General notes

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NOTICE

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TIP:

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Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

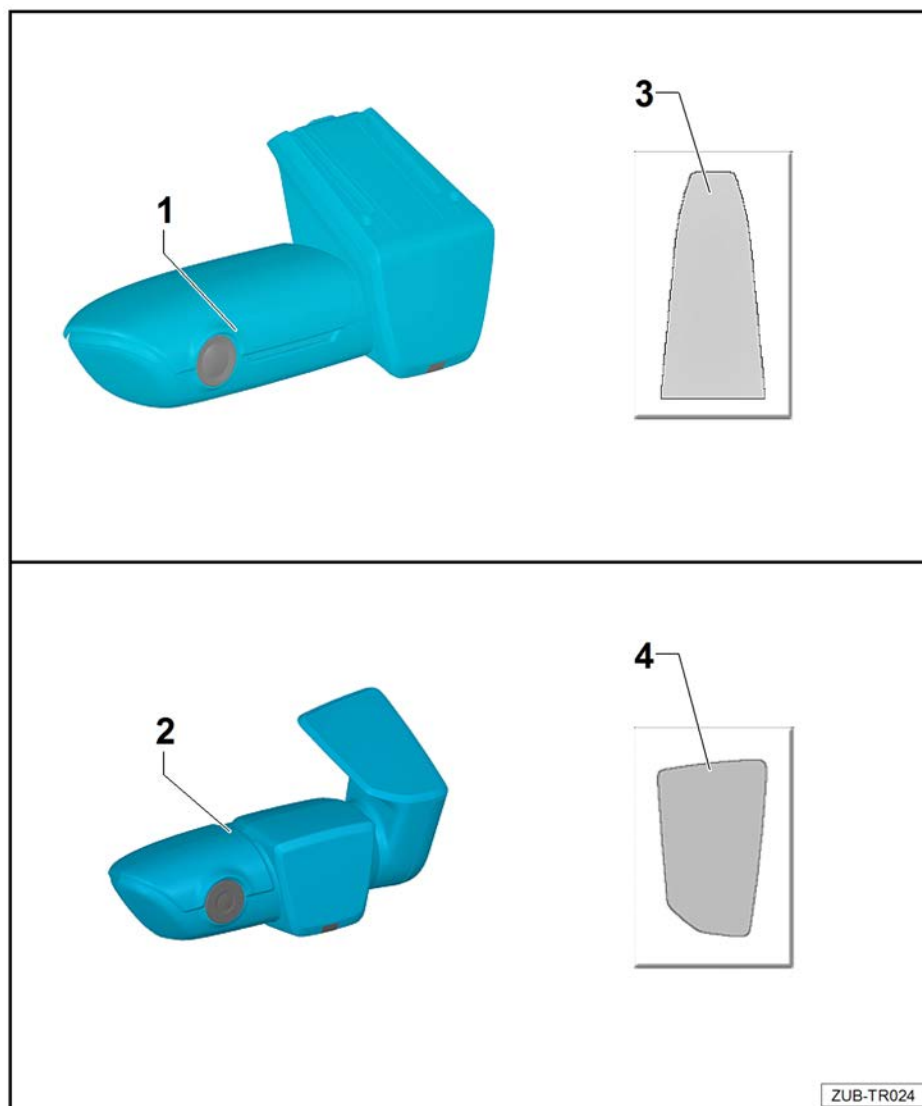
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

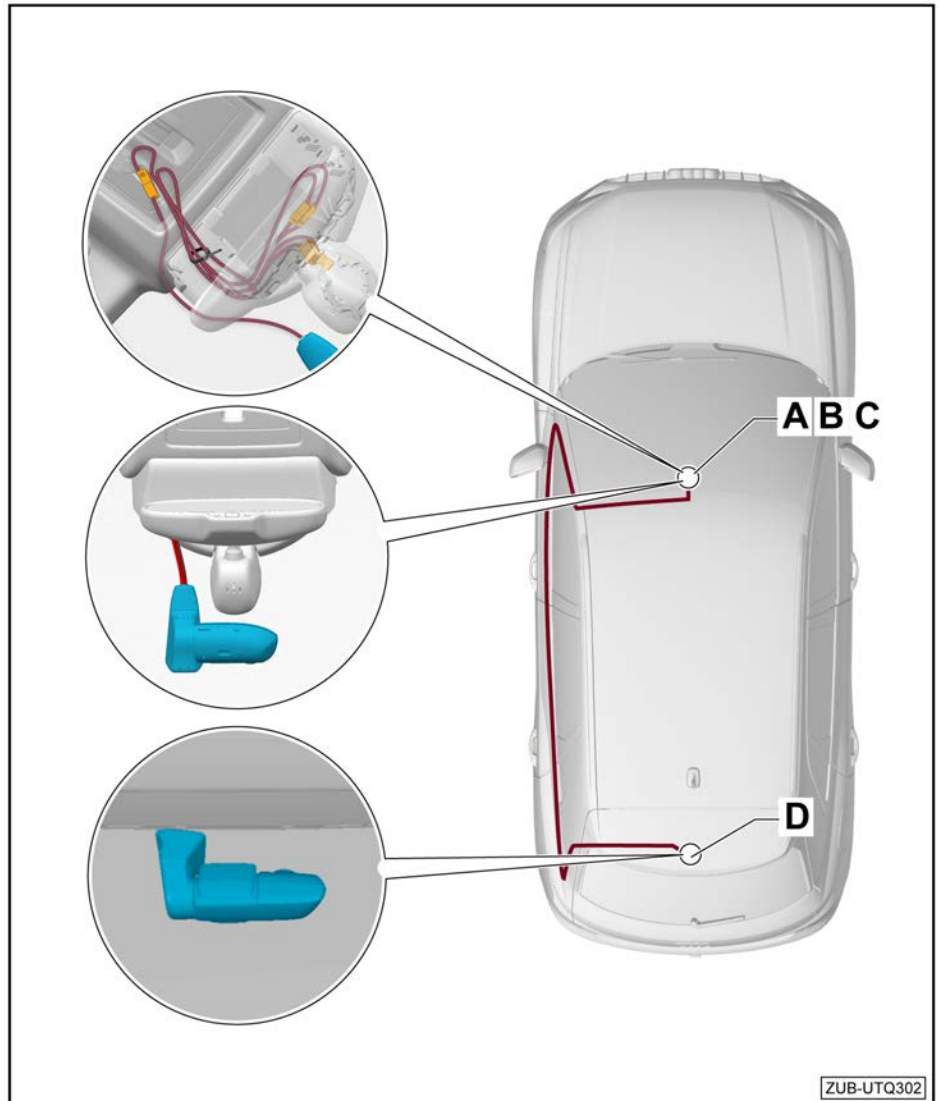
**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

Applies to vehicles with a wide mirror base and vehicles with a narrow mirror base

- A** - Connection to on-board supply
- B** - Connection to earth
- C** - Position of front camera
- D** - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

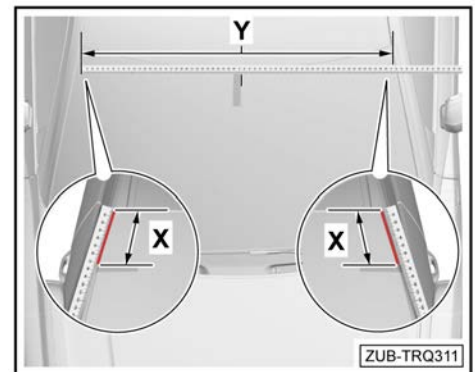
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

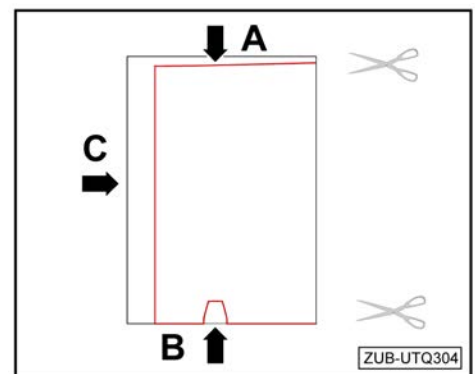
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

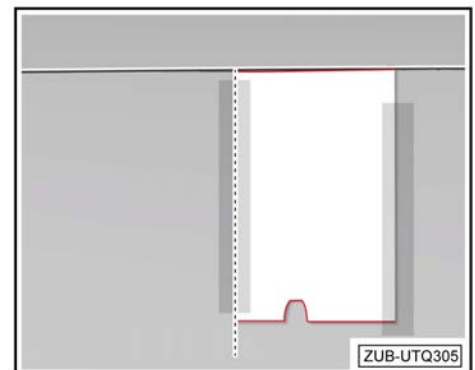


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



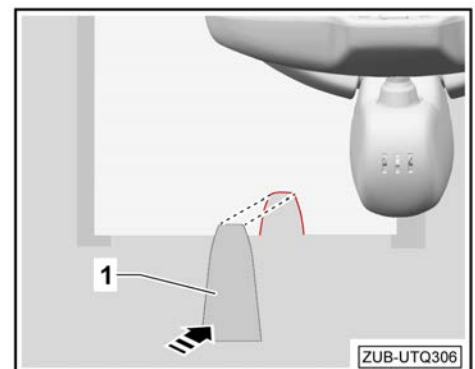
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



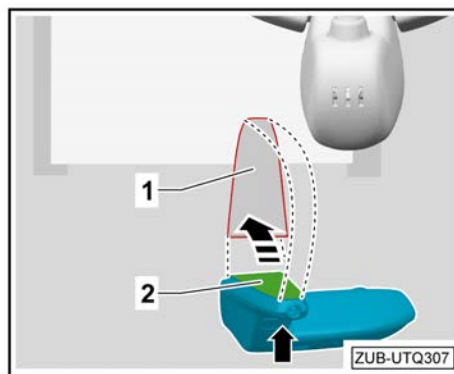


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



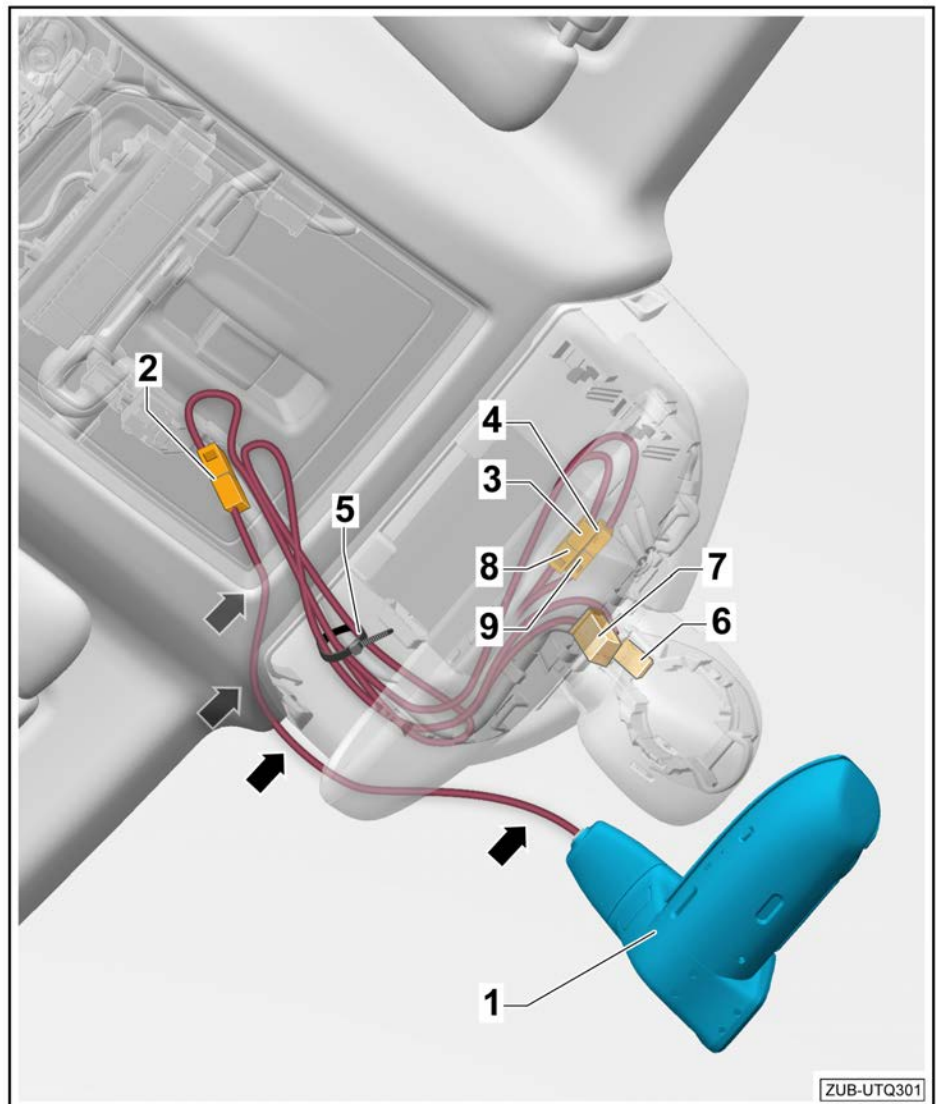
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

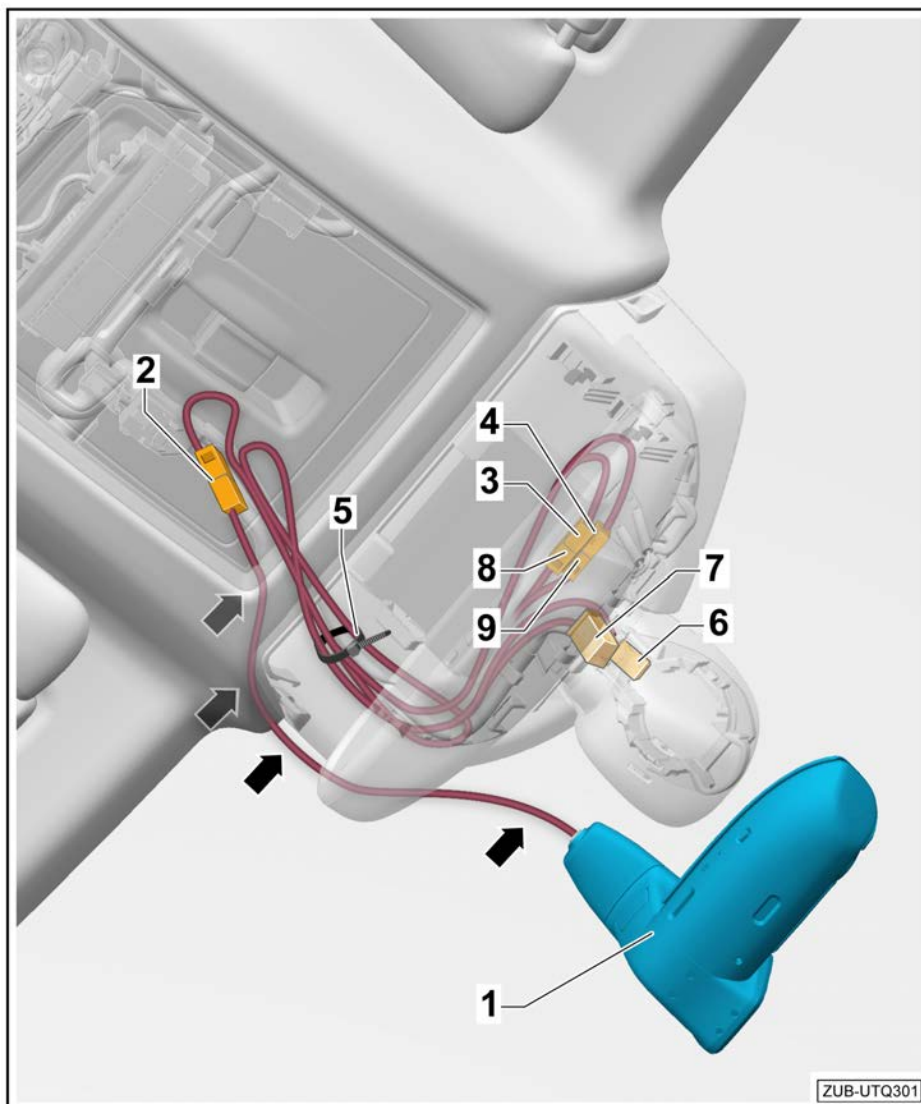
5.3 Connecting the UTR wiring harness

Applies to vehicles with a wide mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

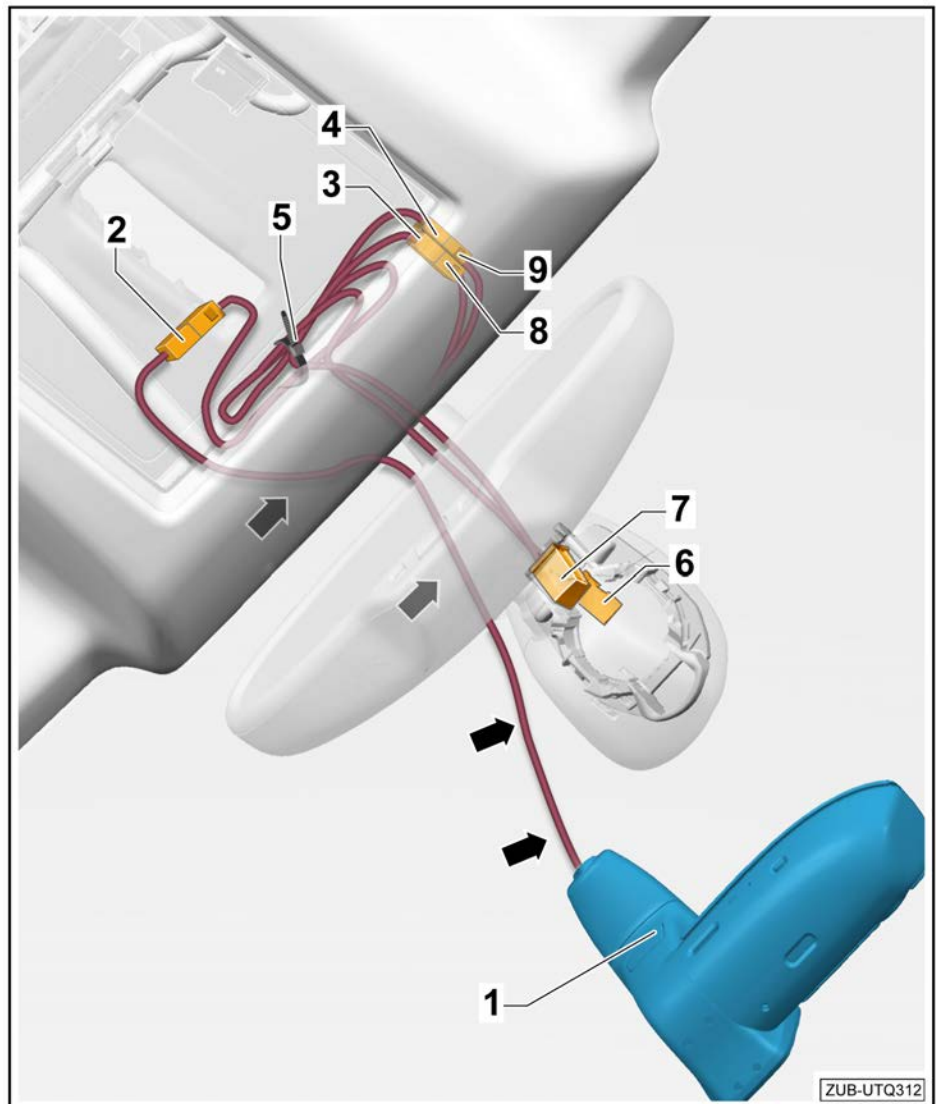
Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

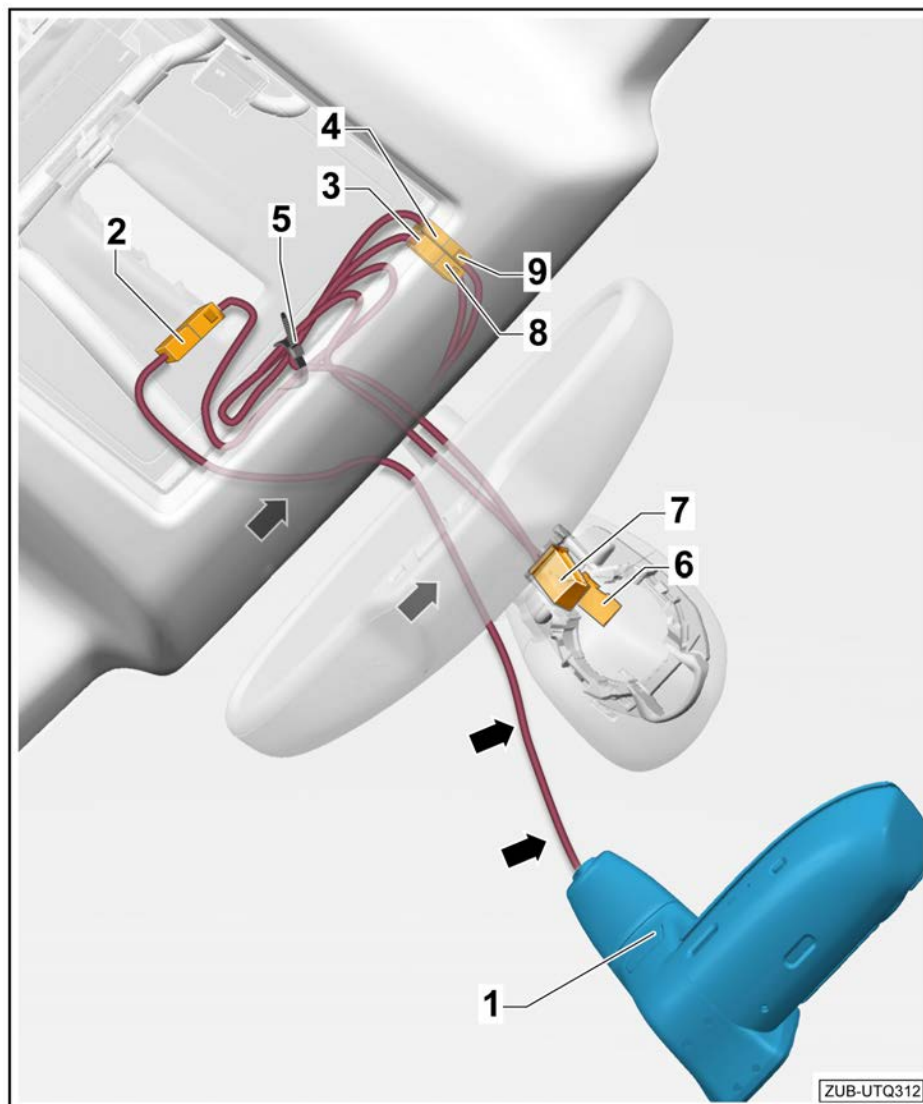
5.4 Connecting the UTR wiring harness

Applies to vehicles with a narrow mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.5 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.6 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

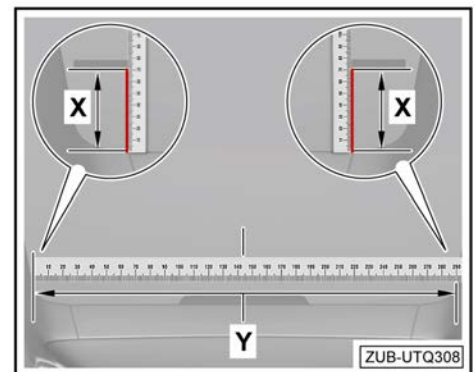
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

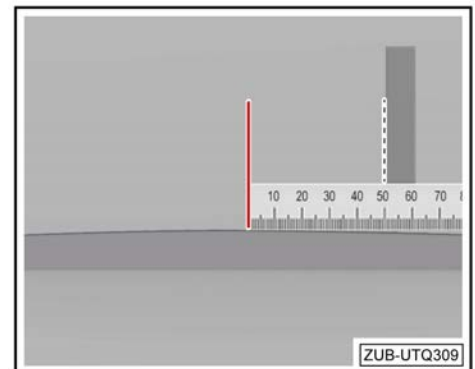
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

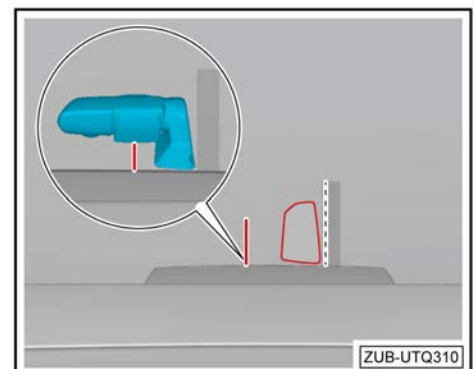
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

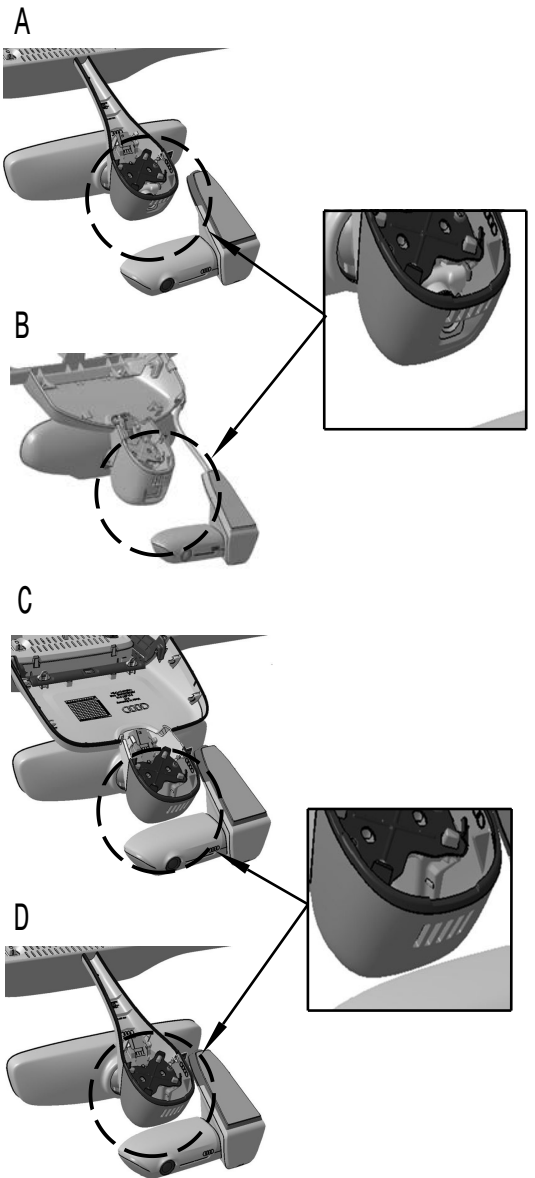
5.7 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q3 (8U) - AU316



Note:
When printing this template don't
make any format adaption!

window edge

window edge

window edge

window edge

mid windscreen

mid windscreen

STR

Check dimensional change!

Nominal size: 100mm

Installation instructions

Audi Universal Traffic Recorder

Audi Q3 2019 ►

Audi Q3 Sportback 2019 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

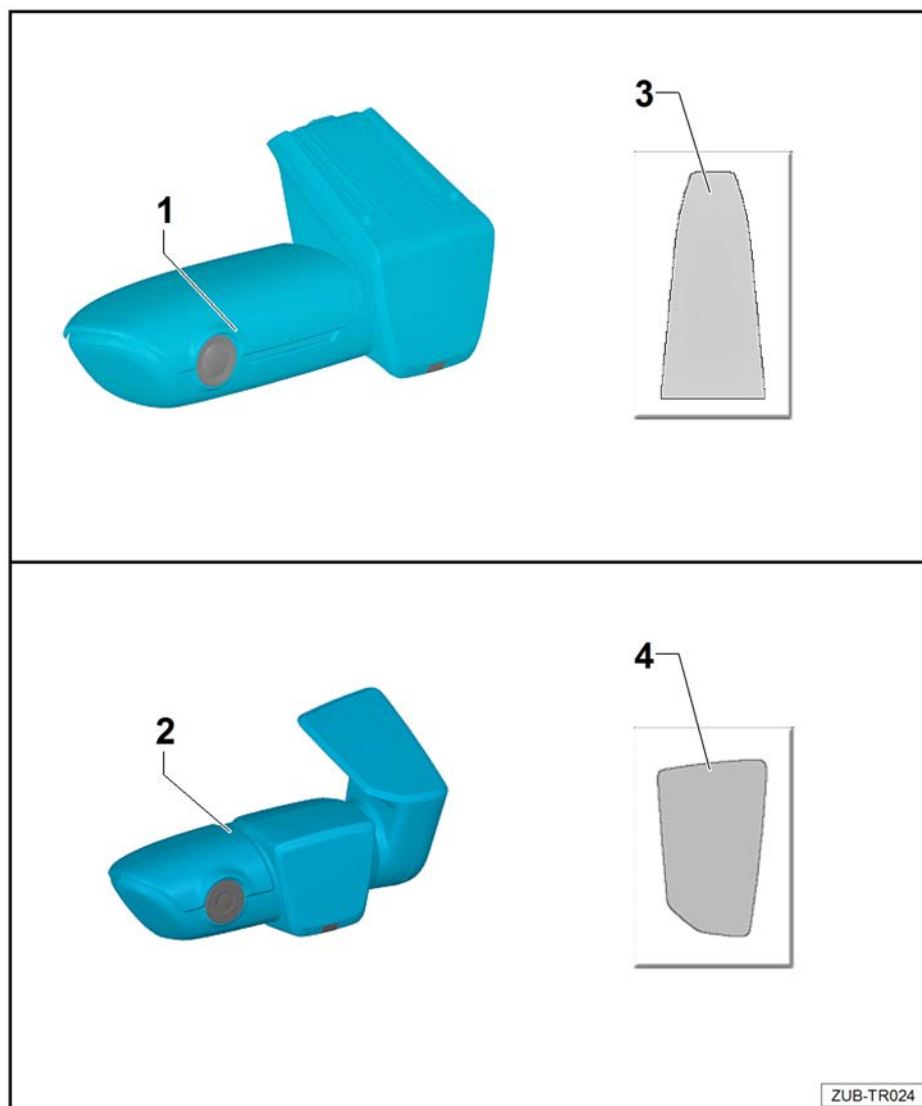
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

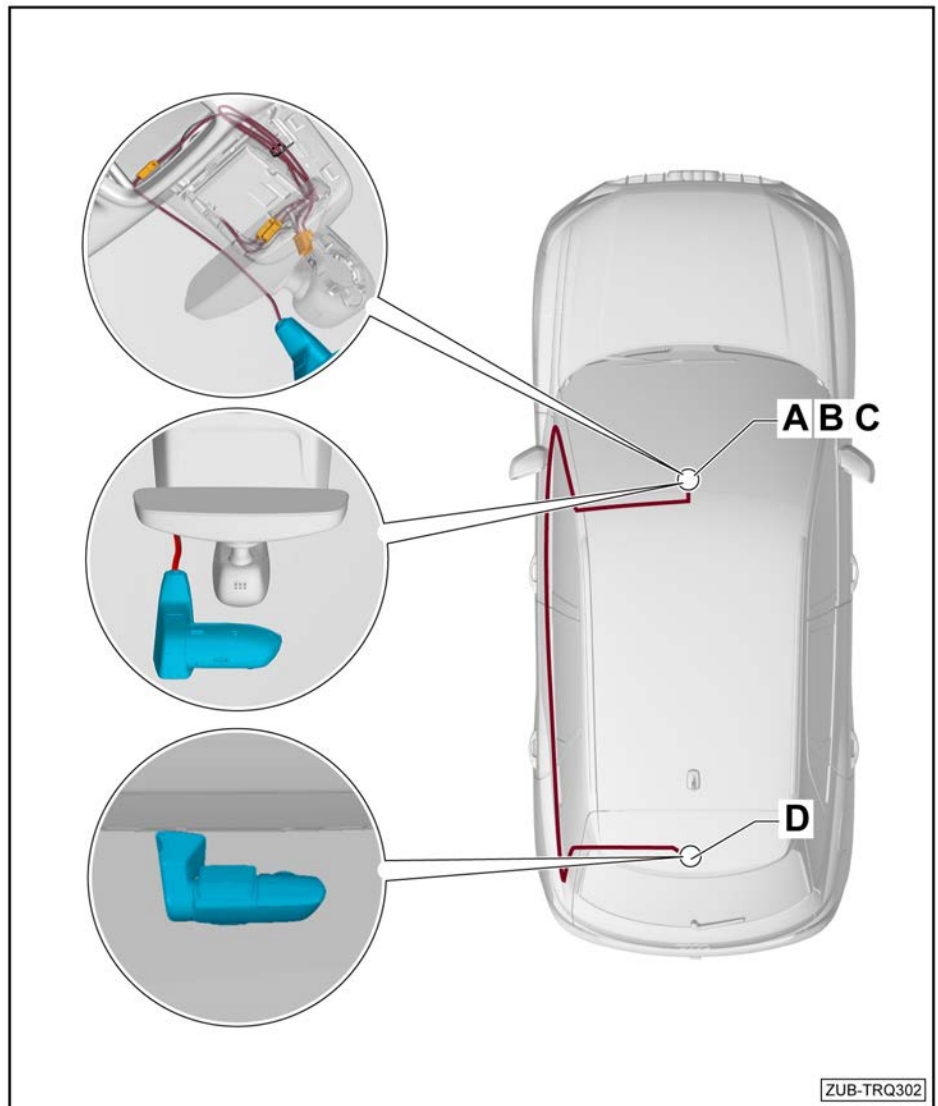


**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

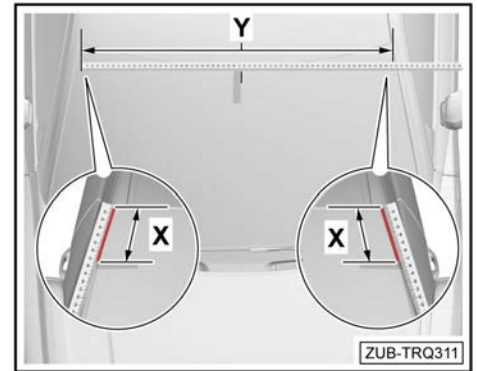
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

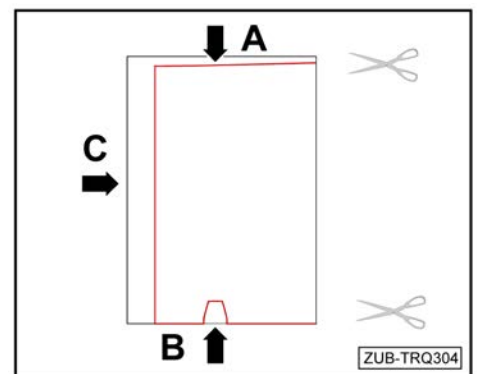
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

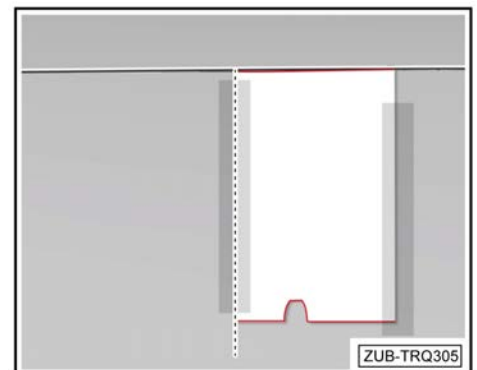


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



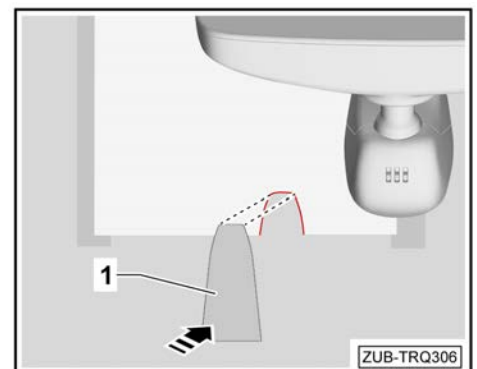
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



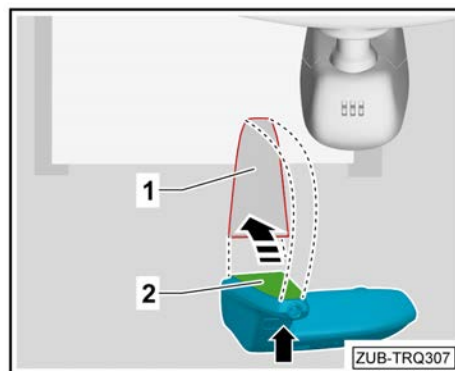


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the windscreen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



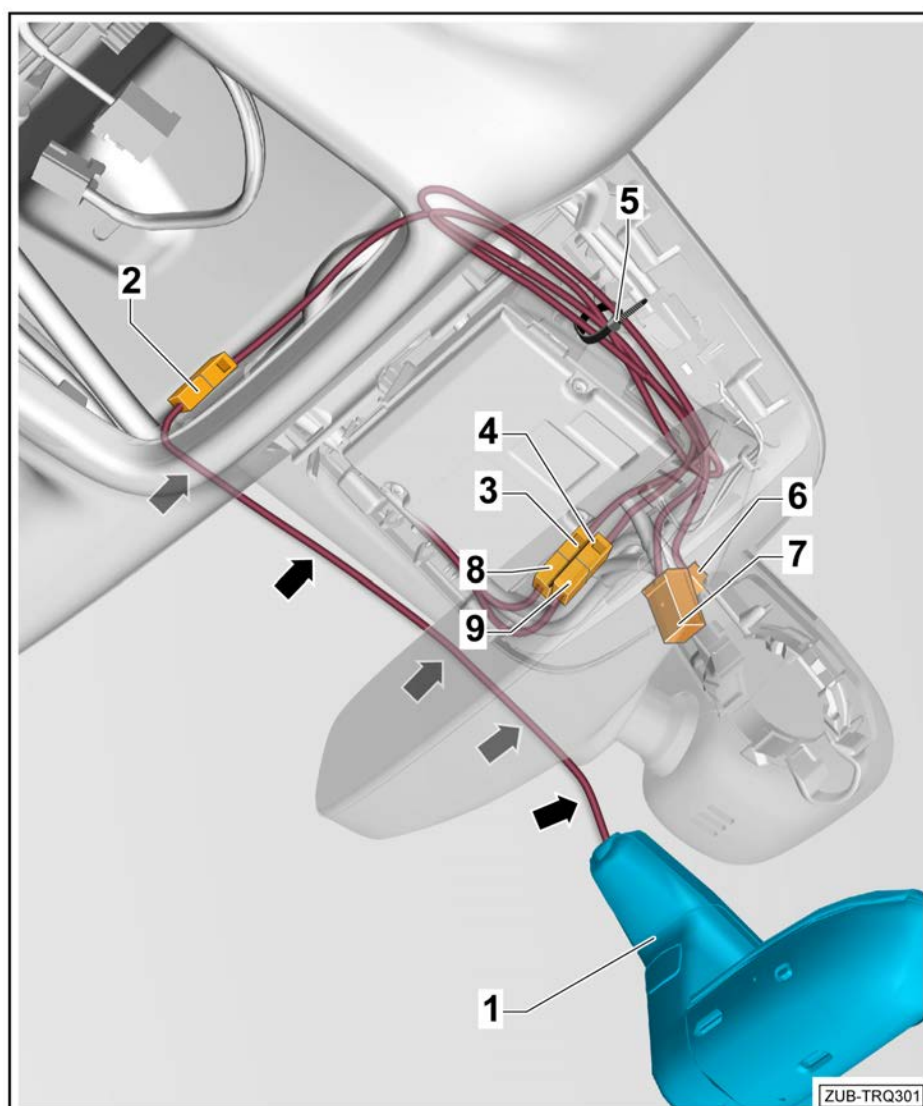
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

5.3 Connecting the UTR wiring harness

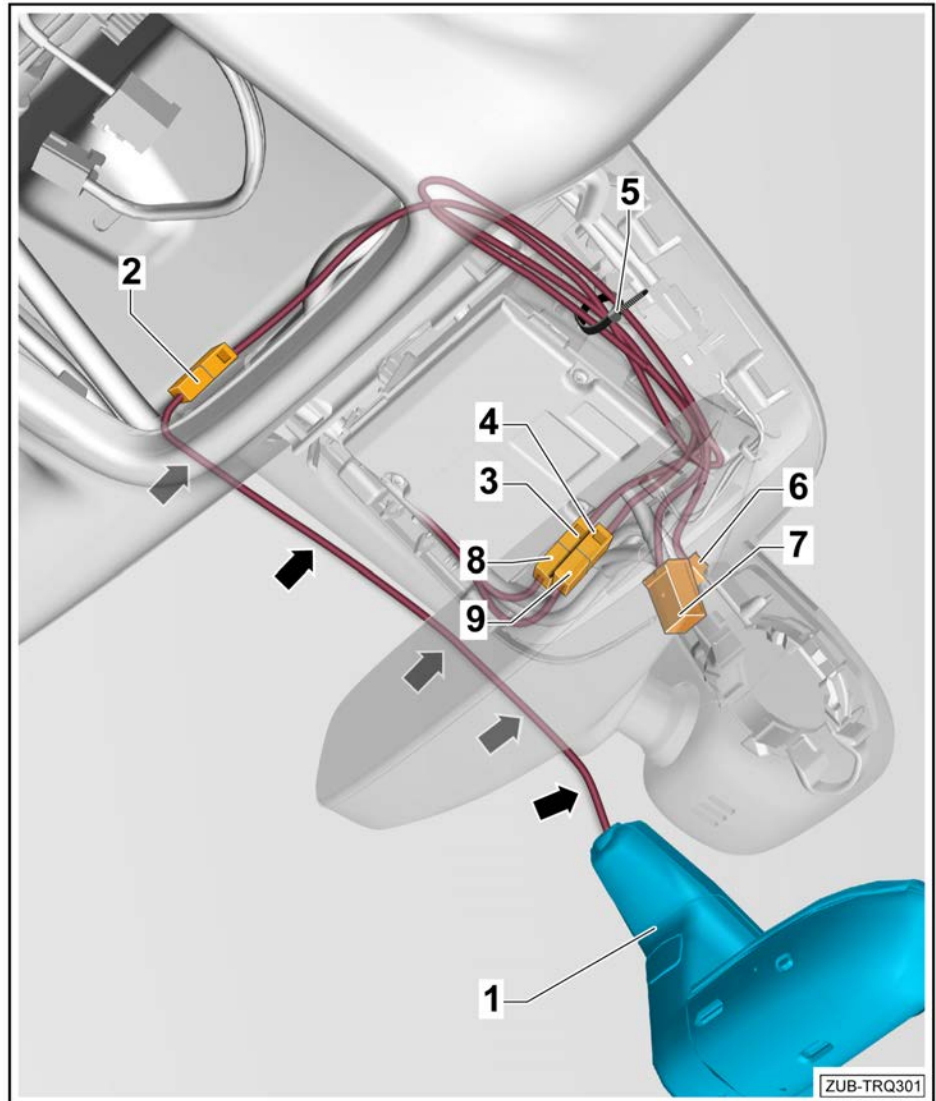
Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.





- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the work-shop temperature.

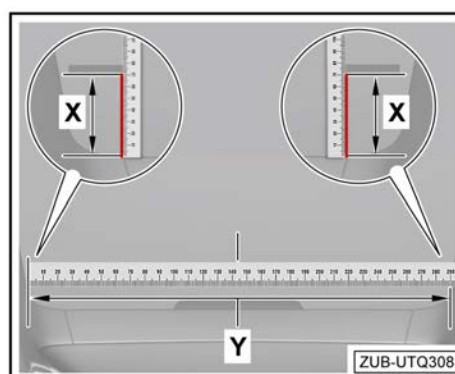
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

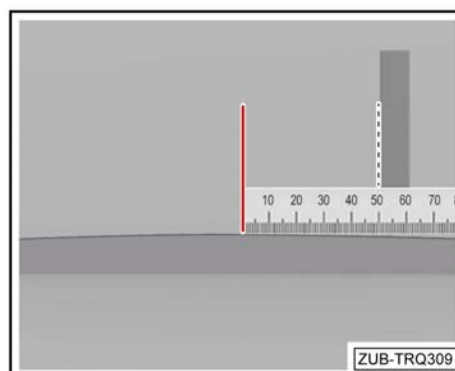
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

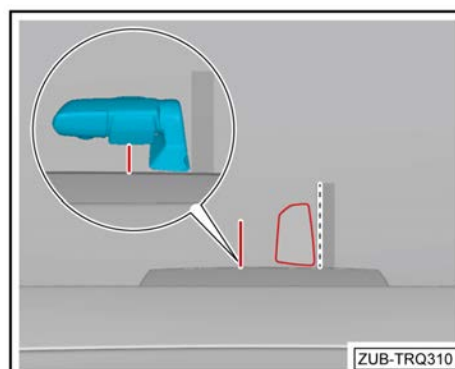
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

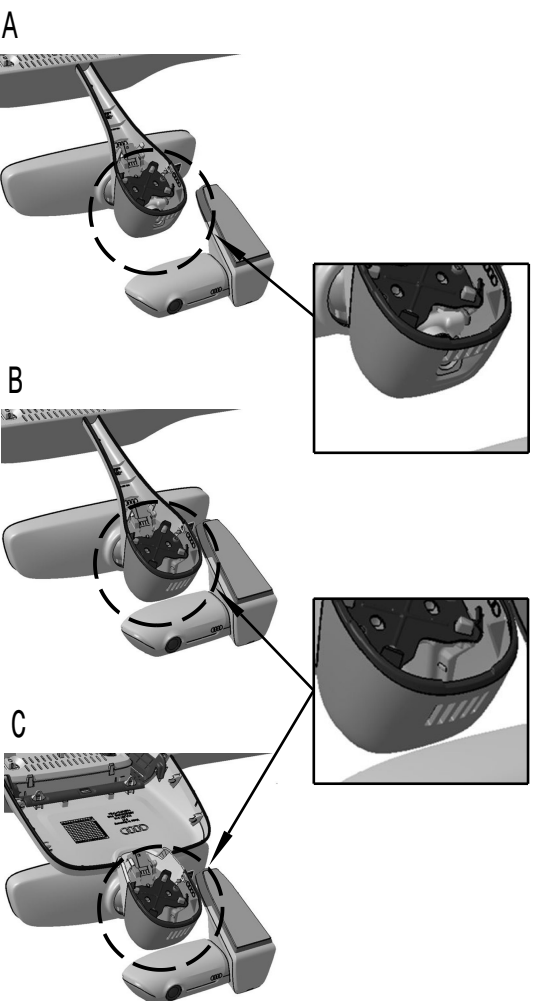
5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q3 (F3) - AU326 Audi Q3 sportback (F3) - AU326/1



window edge

window edge

mid windscreen

Check dimensional change!
Nominal size: 100mm

STR

Note:
When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi Q4 e-tron 2022 ►

Audi Q4 Sportback e-tron 2022 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

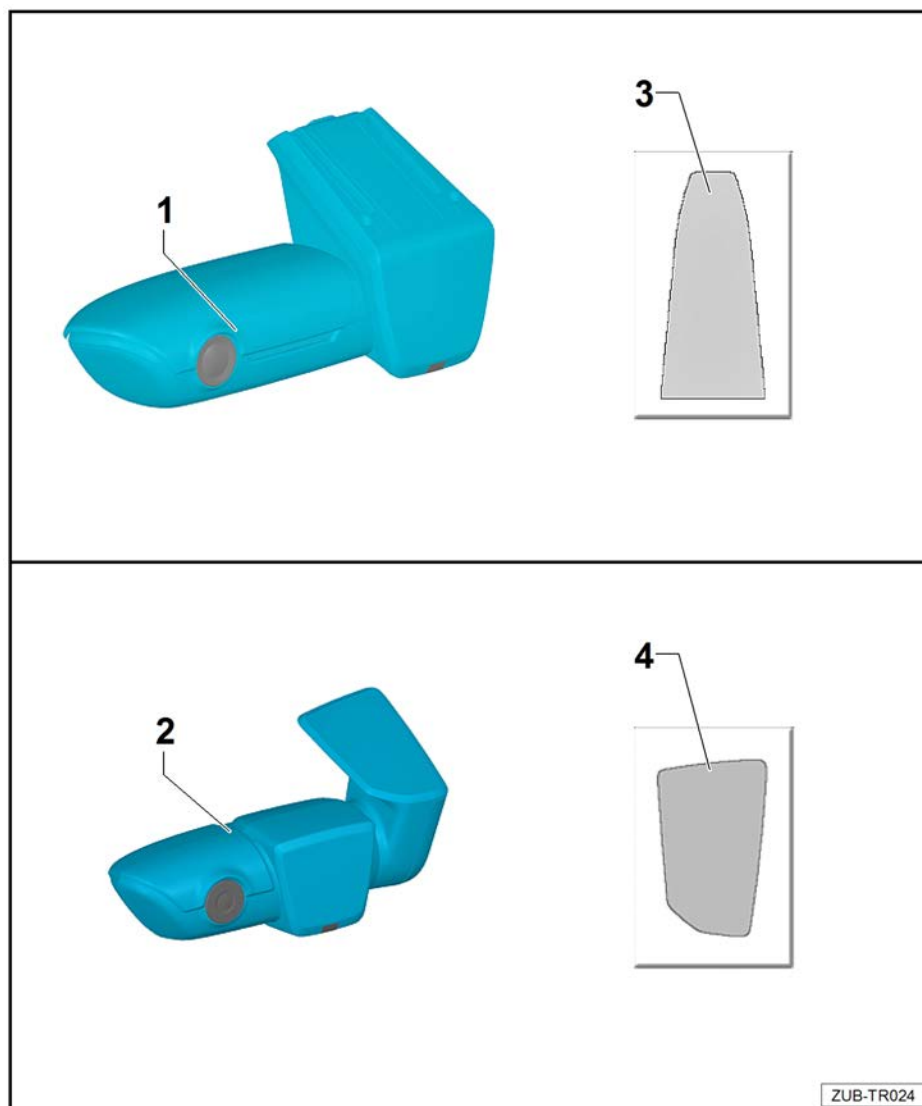
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

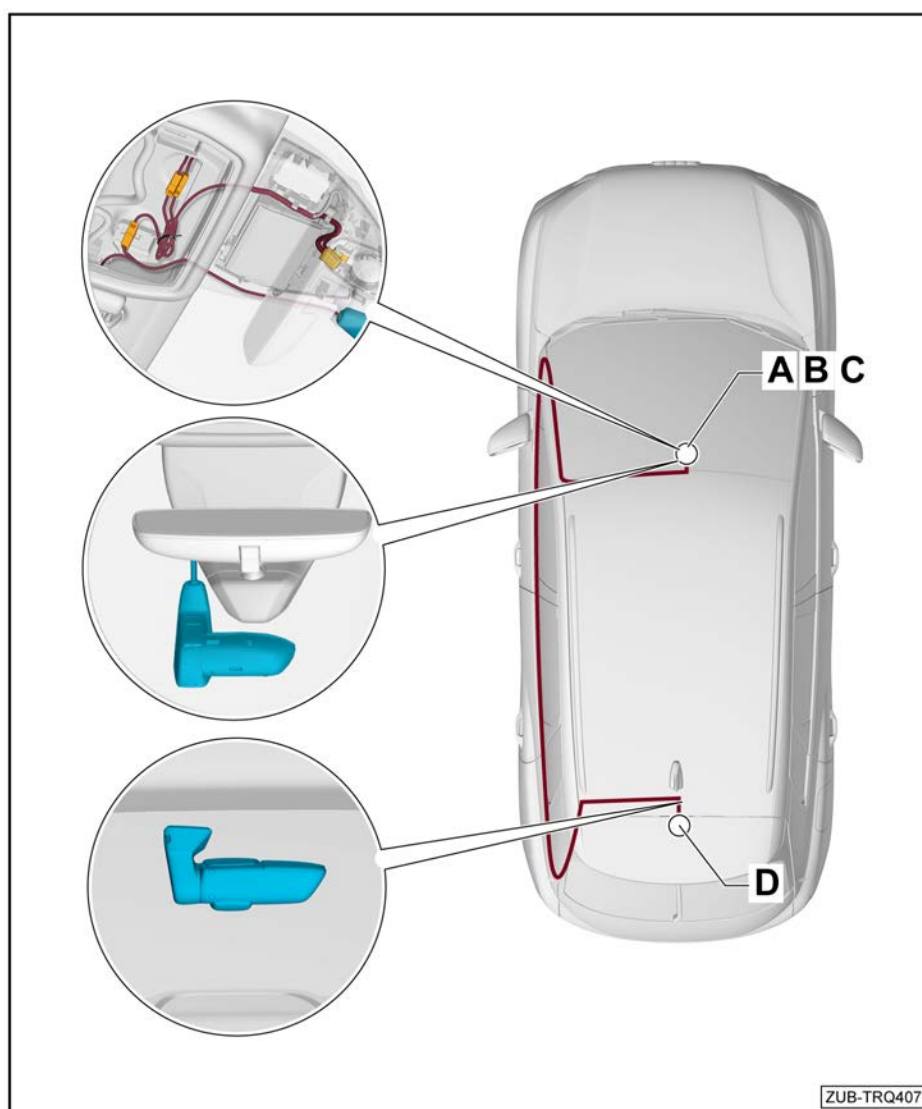


Not included in the scope of delivery, must be ordered separately: UTR wiring harness 4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

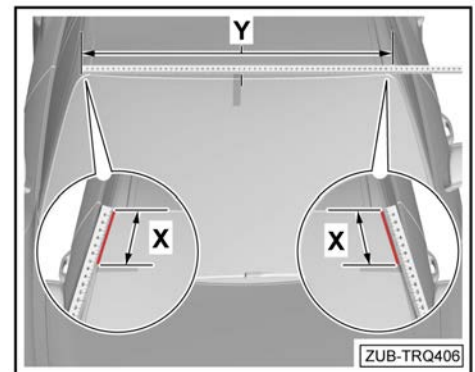
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

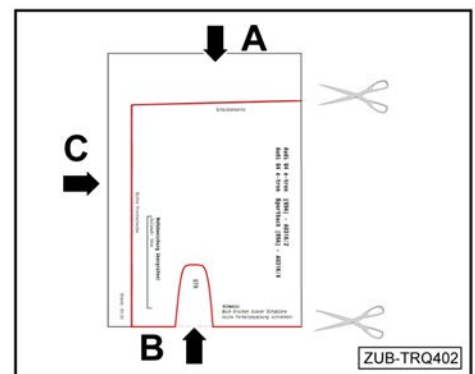
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

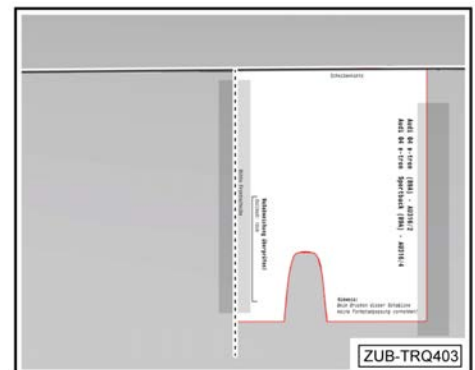


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



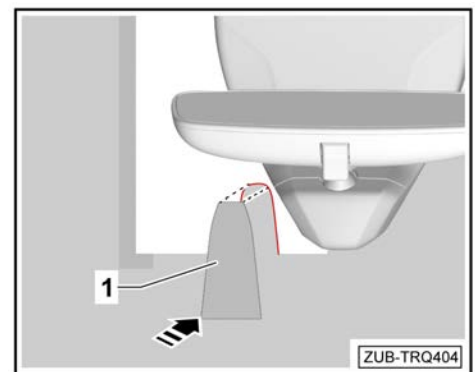
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



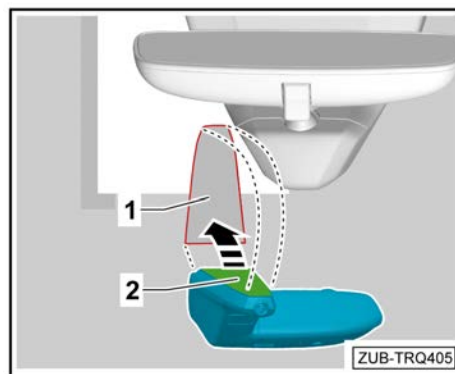


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



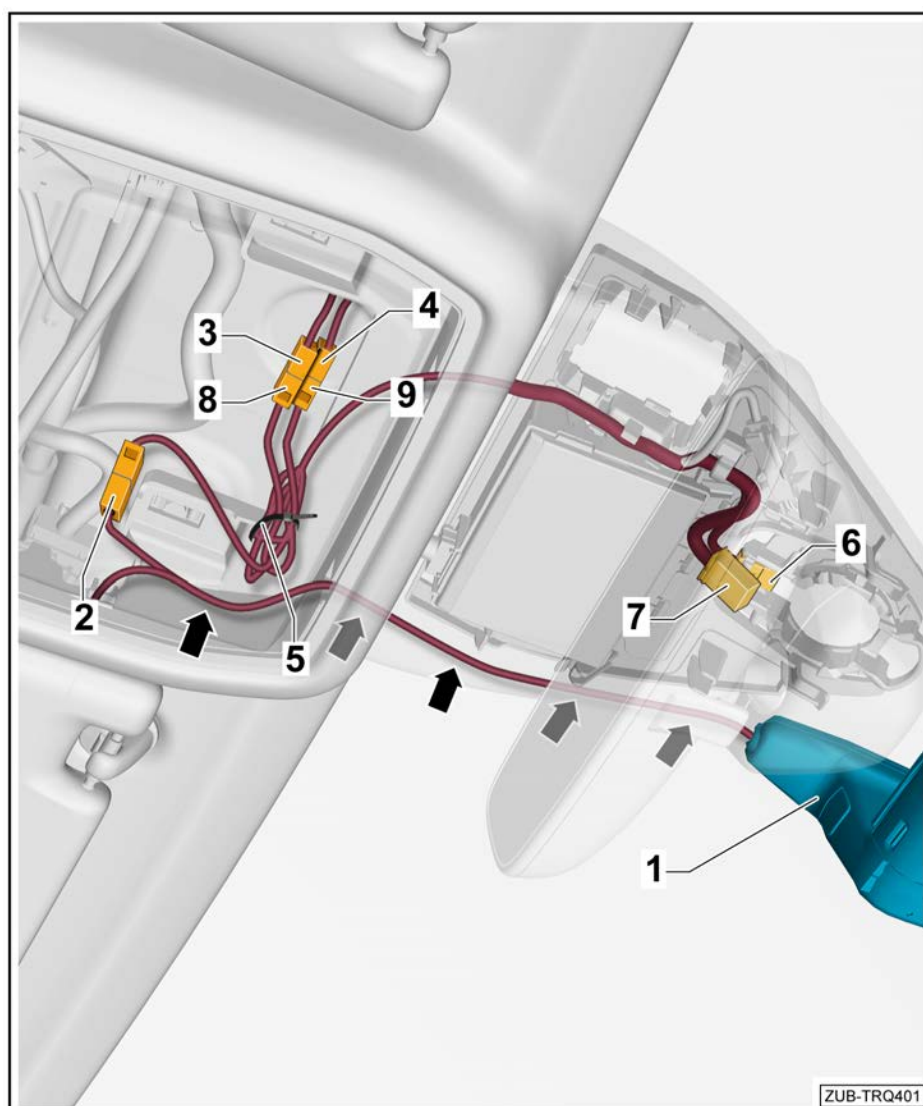
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

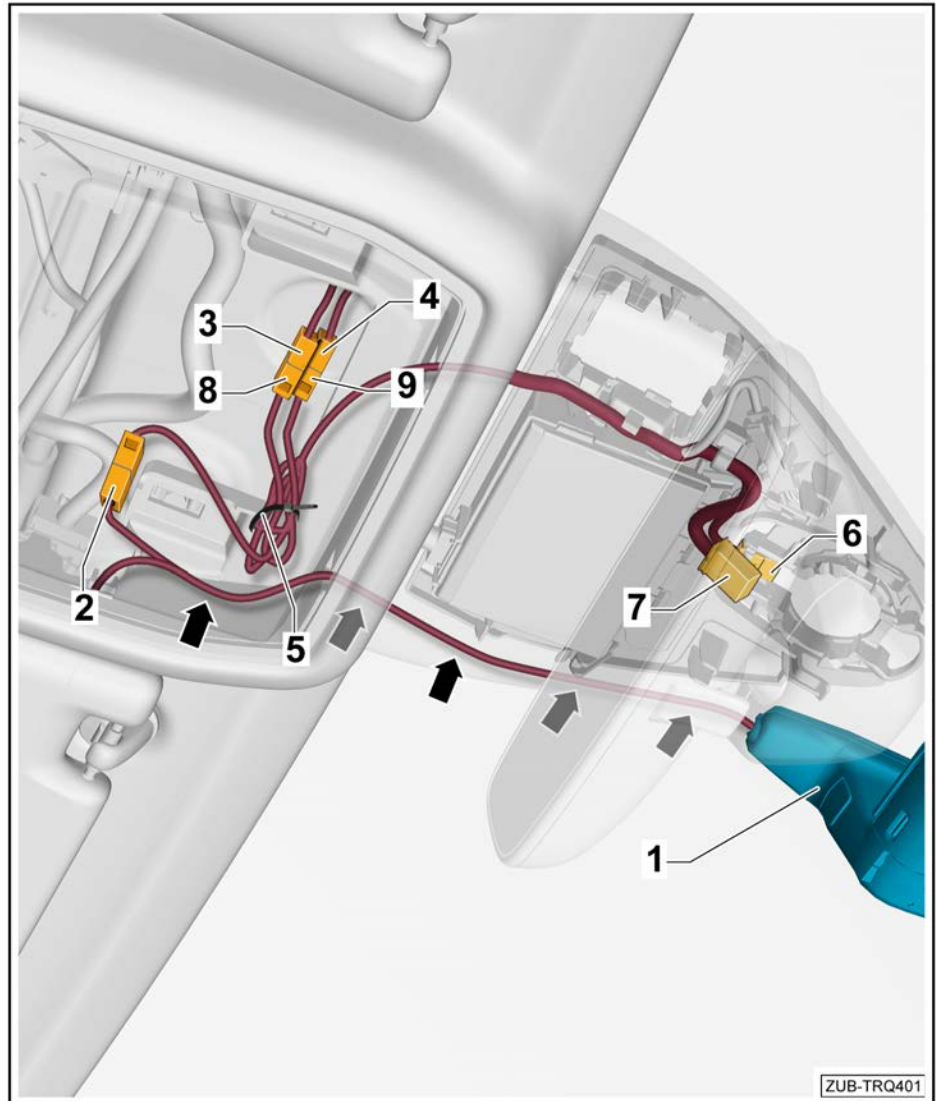
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

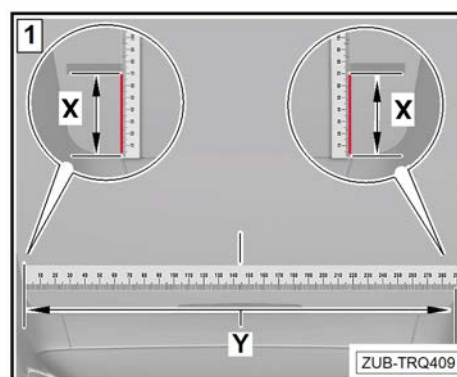
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

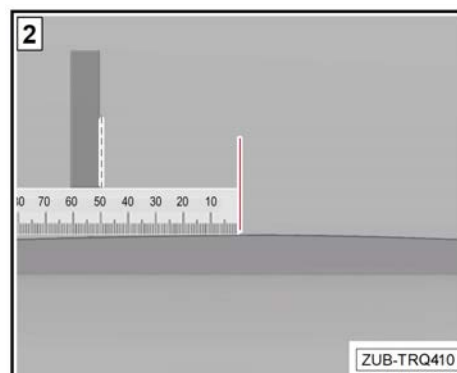
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

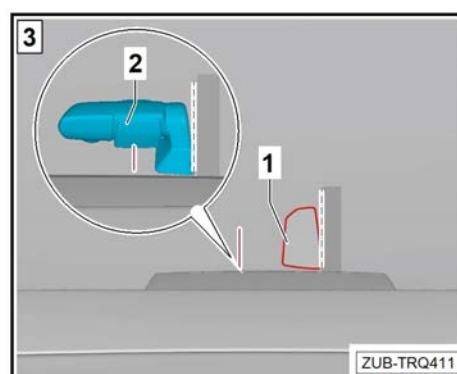
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q4 e-tron (FZ) - AU316/2
Audi Q4 e-tron Sportback (FZ) - AU316/4

window edge

STR

Note:
When printing this template
don't make any format adaption!

Check dimensional change!

Nominal size: 100mm

mid windscreen

Stand: 01/21

Installation instructions

Audi Universal Traffic Recorder

Audi Q5 (8R) 2013 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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5.5	Assembling the vehicle	12
5.6	Installing the rear camera	13
5.7	Concluding operations	14



1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

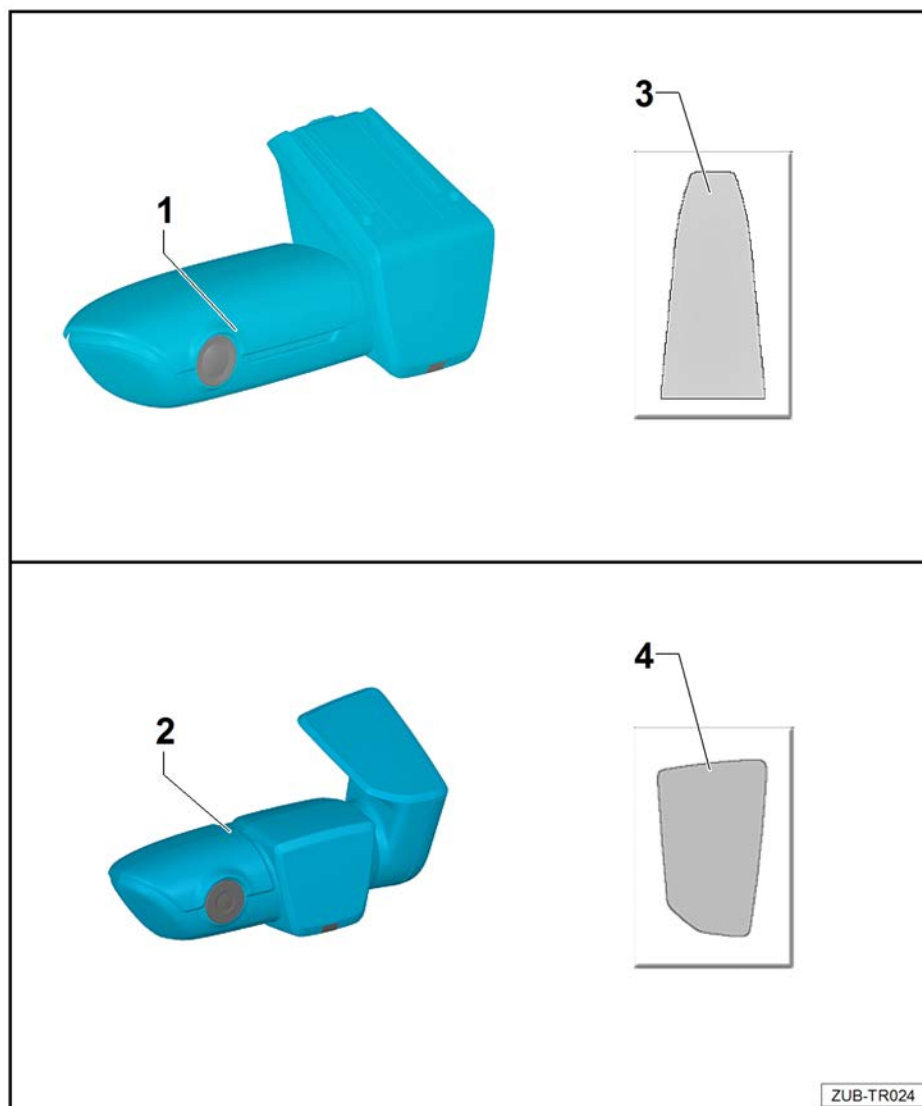
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H, 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

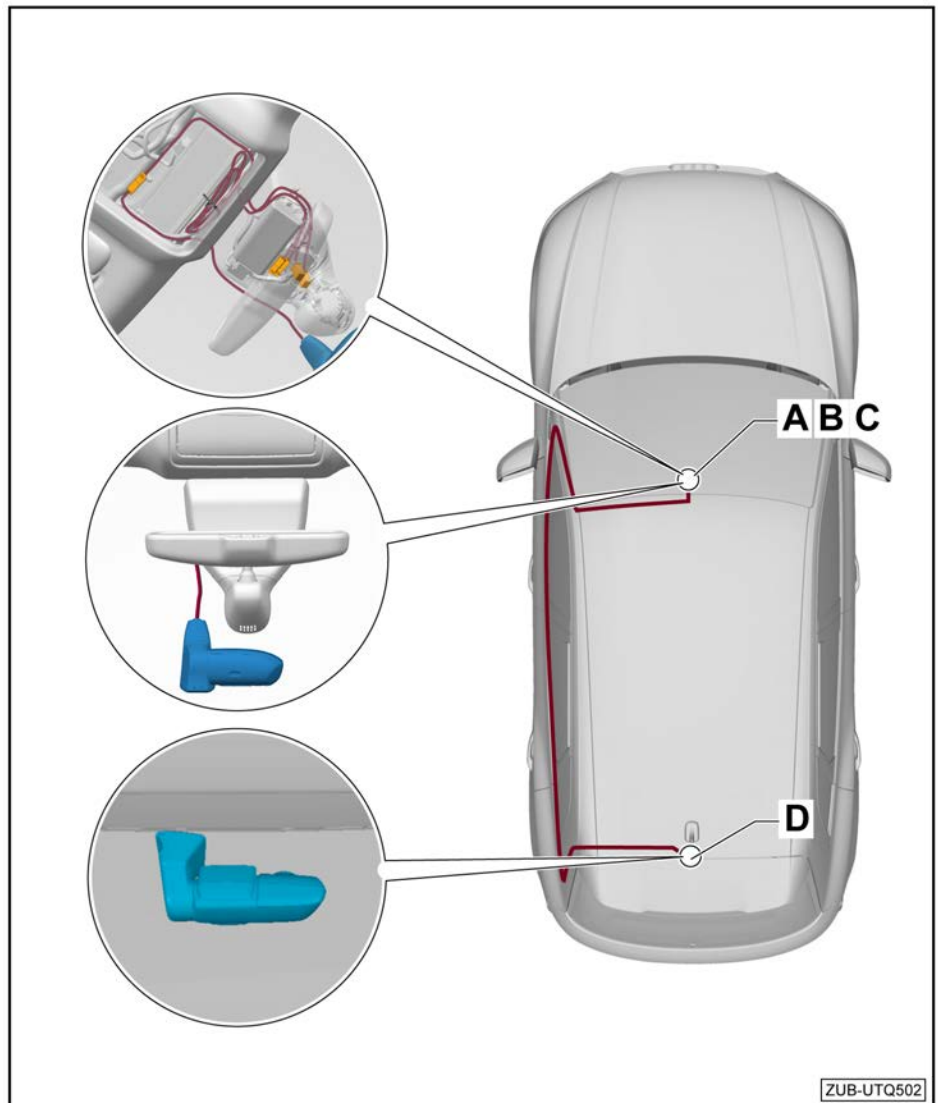
**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

Applies to vehicles with a wide mirror base and vehicles with a narrow mirror base

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

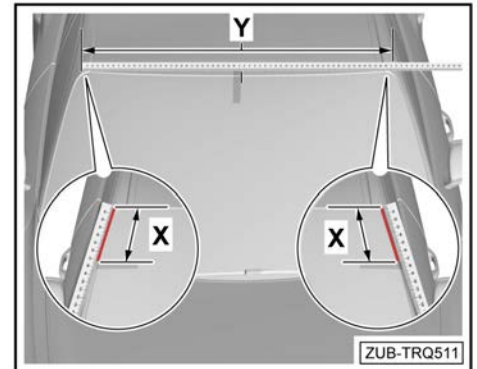
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

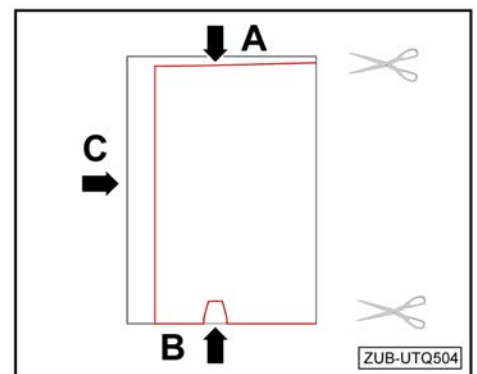
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

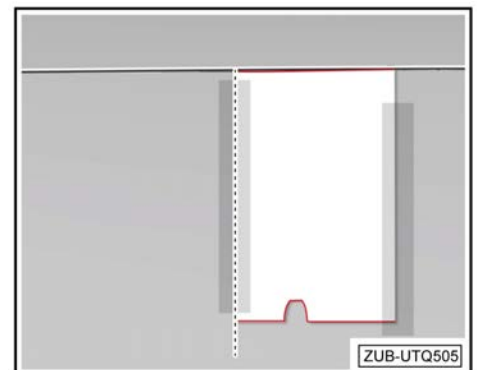


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



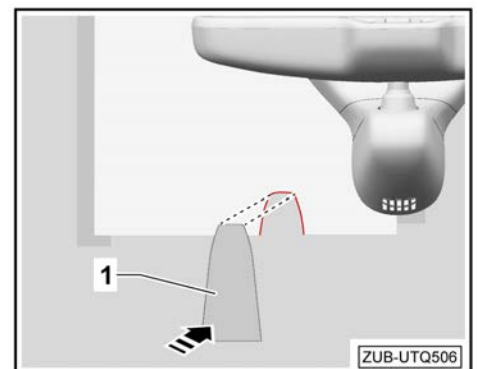
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



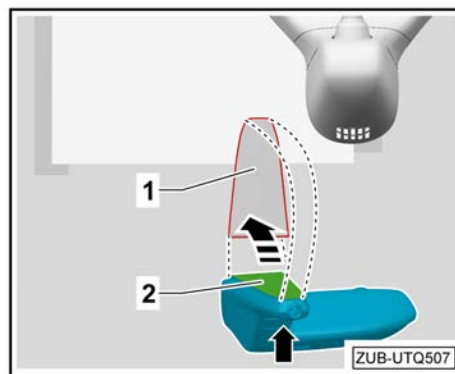


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



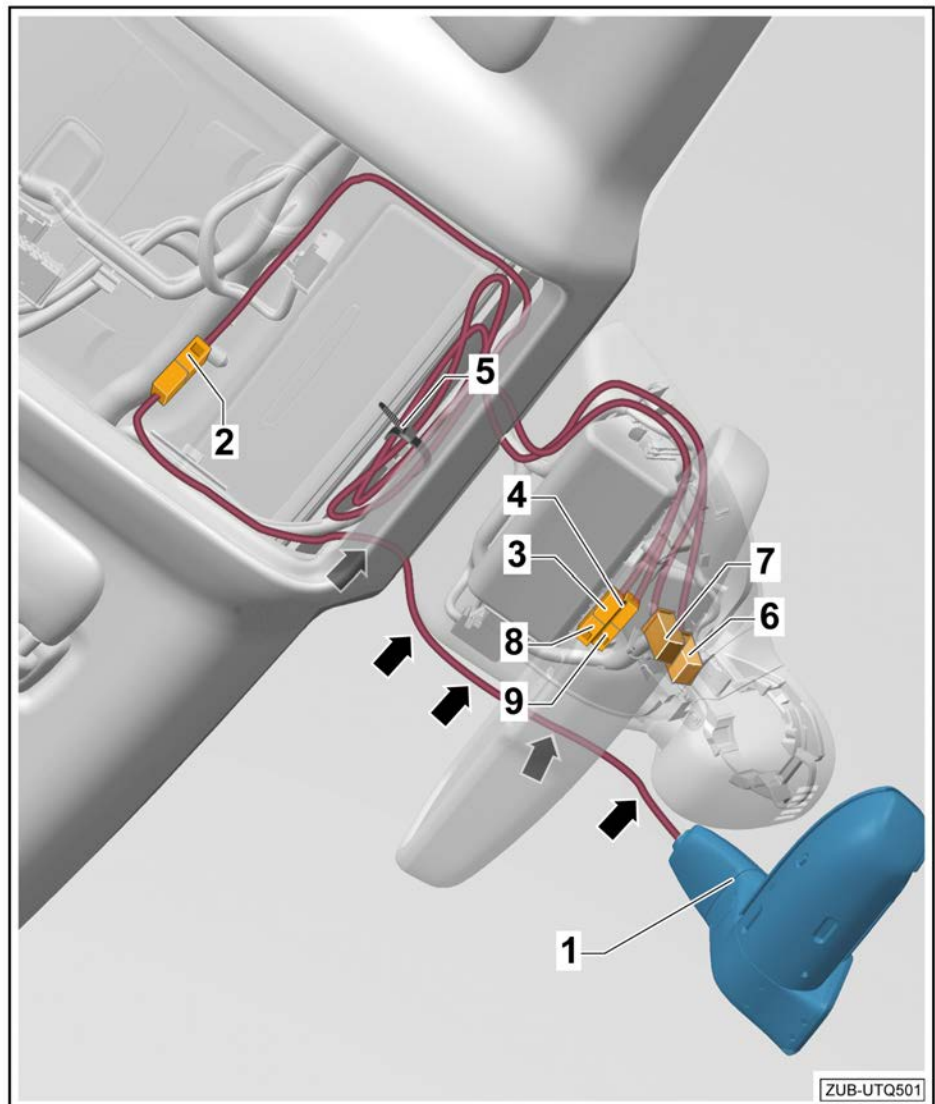
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

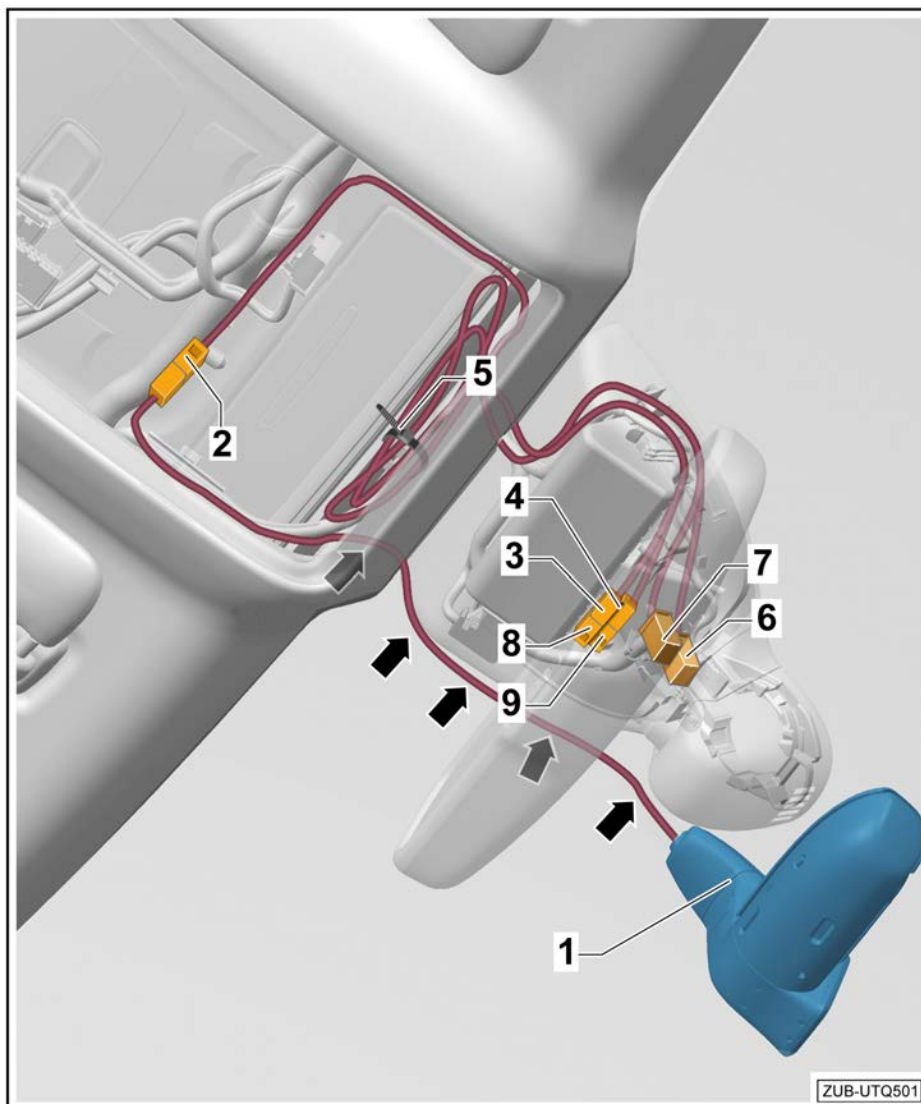
5.3 Connecting the UTR wiring harness

Applies to vehicles with a wide mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

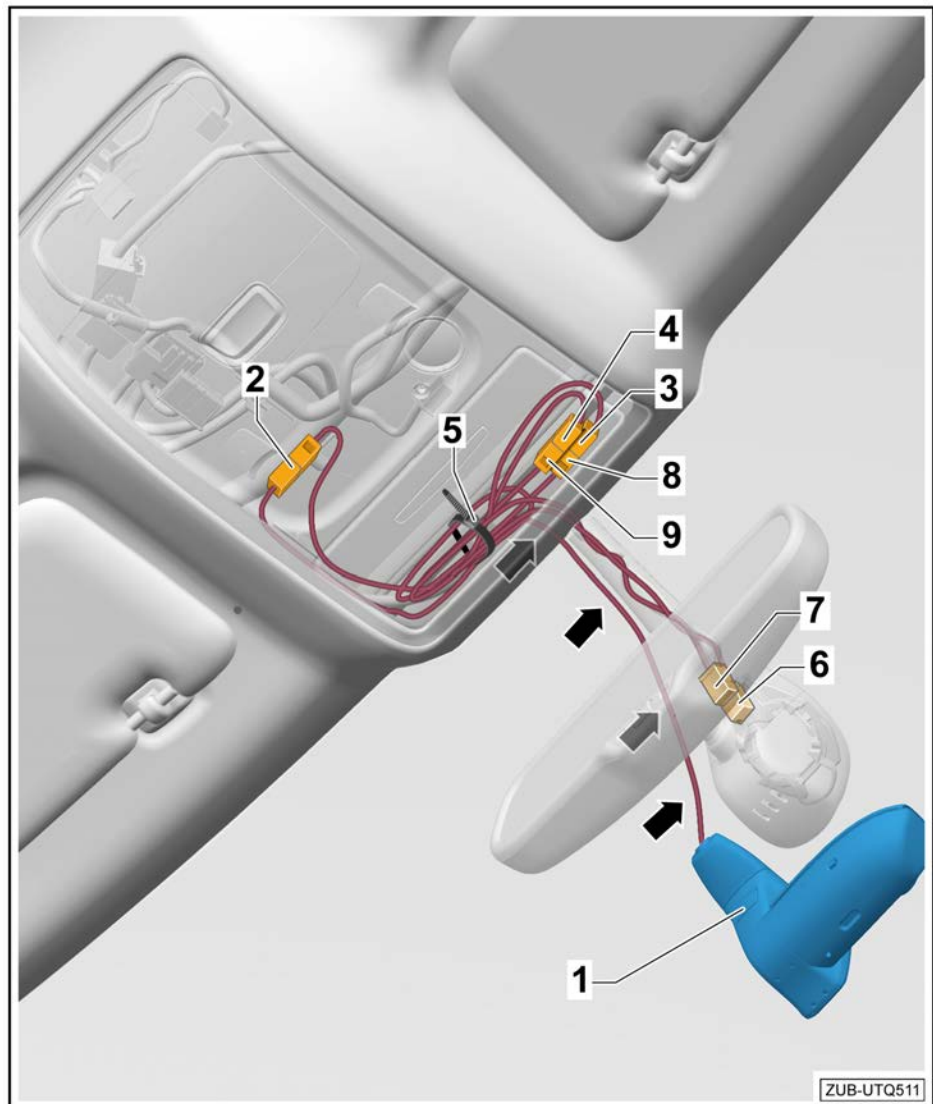
Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

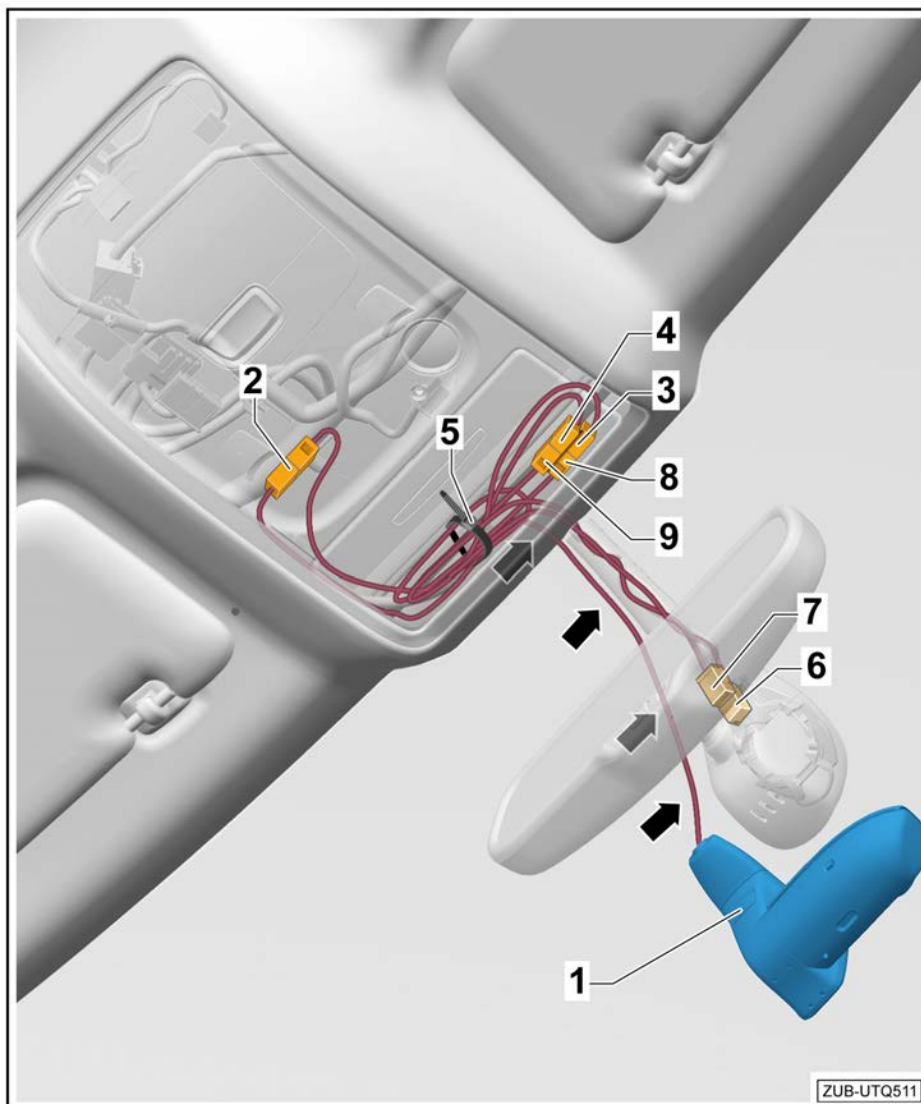
5.4 Connecting the UTR wiring harness

Applies to vehicles with a narrow mirror base. Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the windscreen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.5 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.6 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

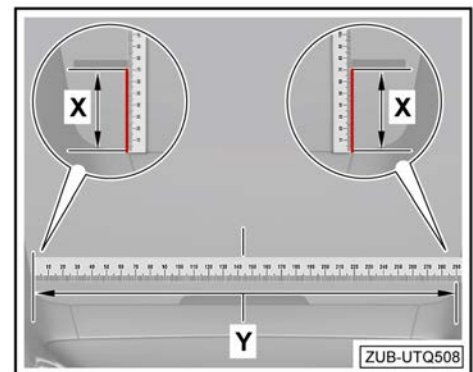
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

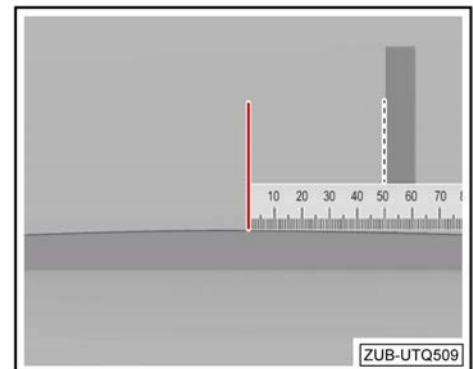
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

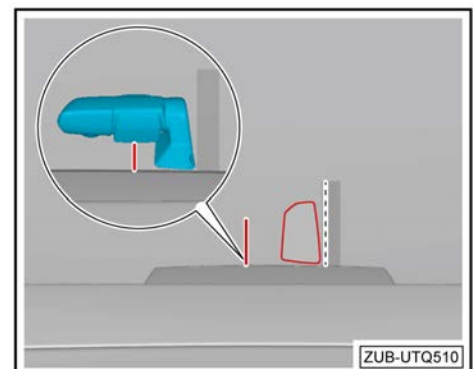
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.7 Concluding operations

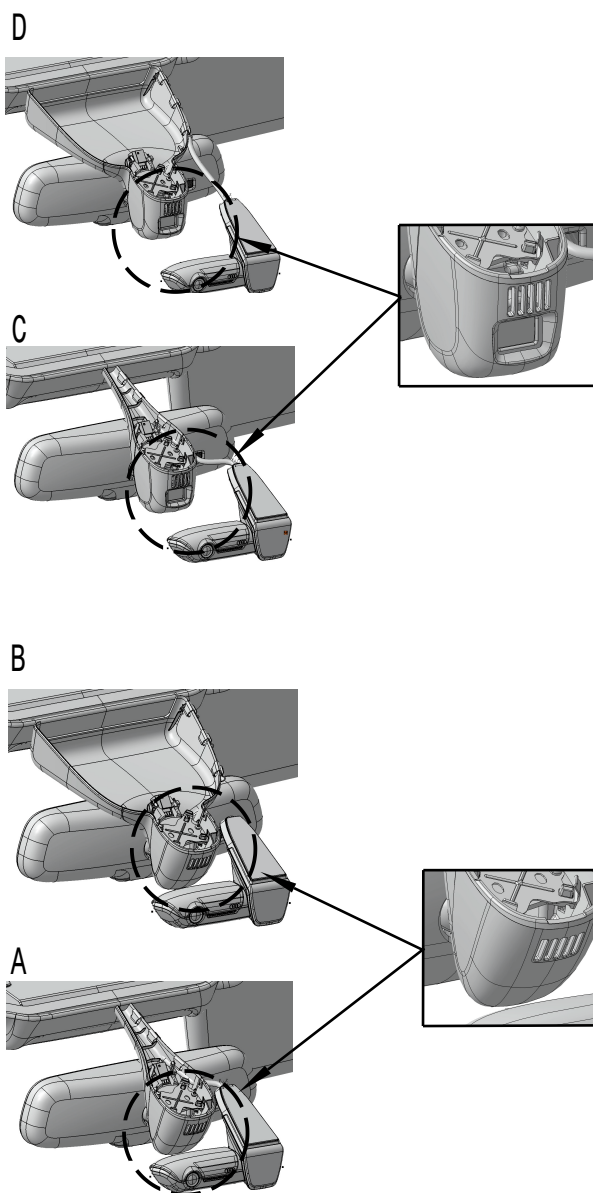
- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

mid windscreen

mid windscreen



Check dimensional change!

Nominal size: 100mm

Note:

When printing this template don't make any adaption!

STR

Installation instructions

Audi Universal Traffic Recorder

Audi Q5 (FY) 2017 ►

Audi Q5 Sportback (FY) 2021 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

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WARNING

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CAUTION

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NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines

CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

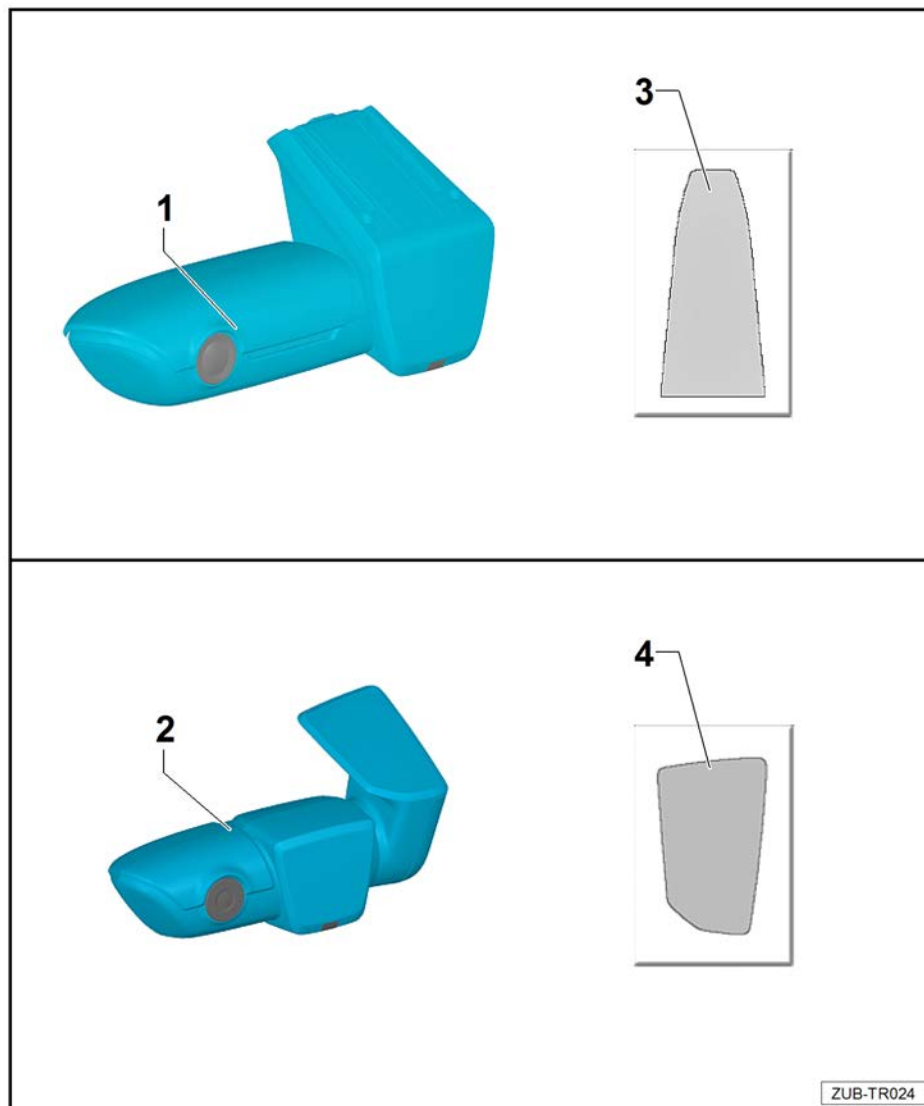
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

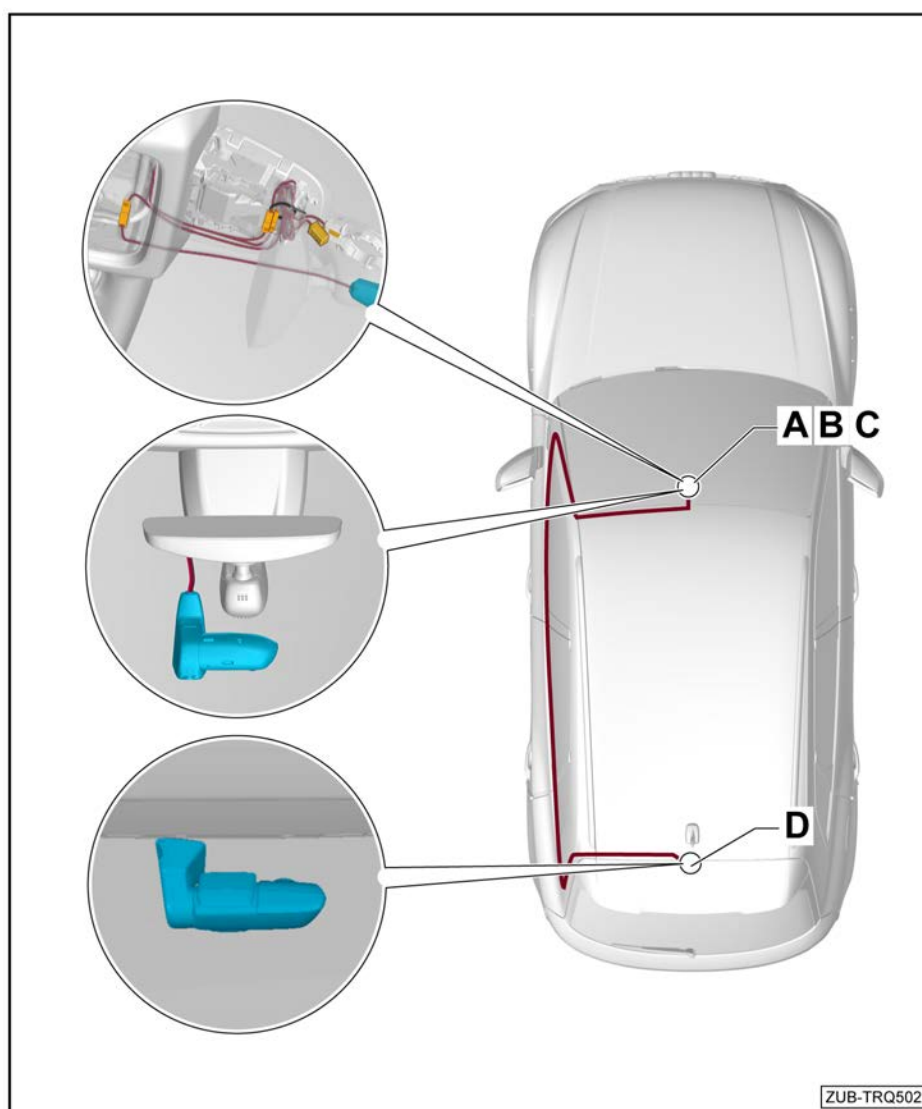


**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

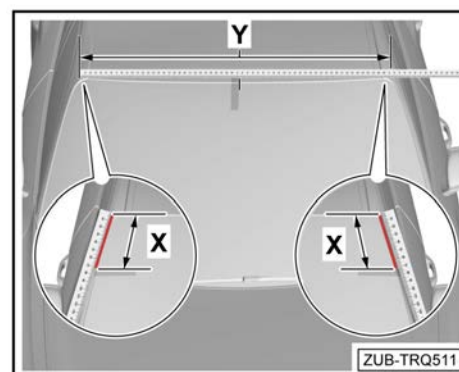
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

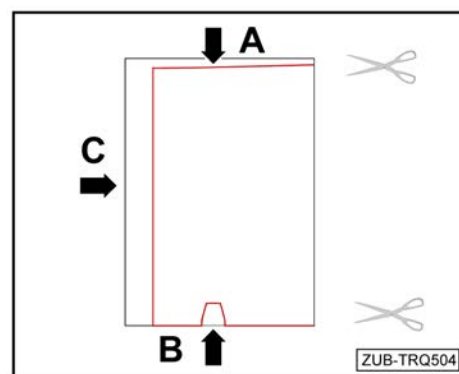
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

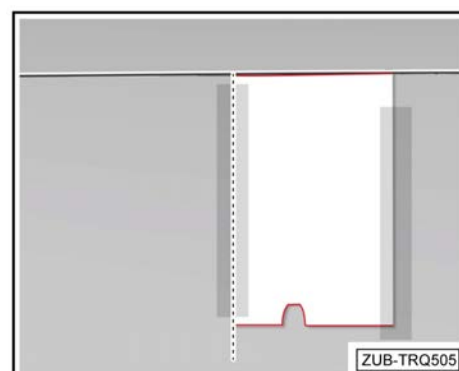


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



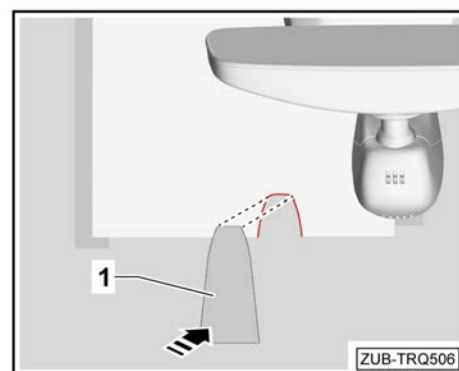
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



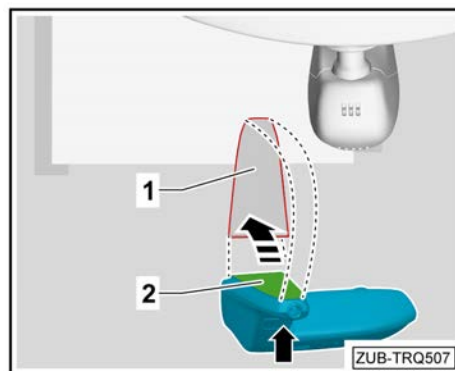


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



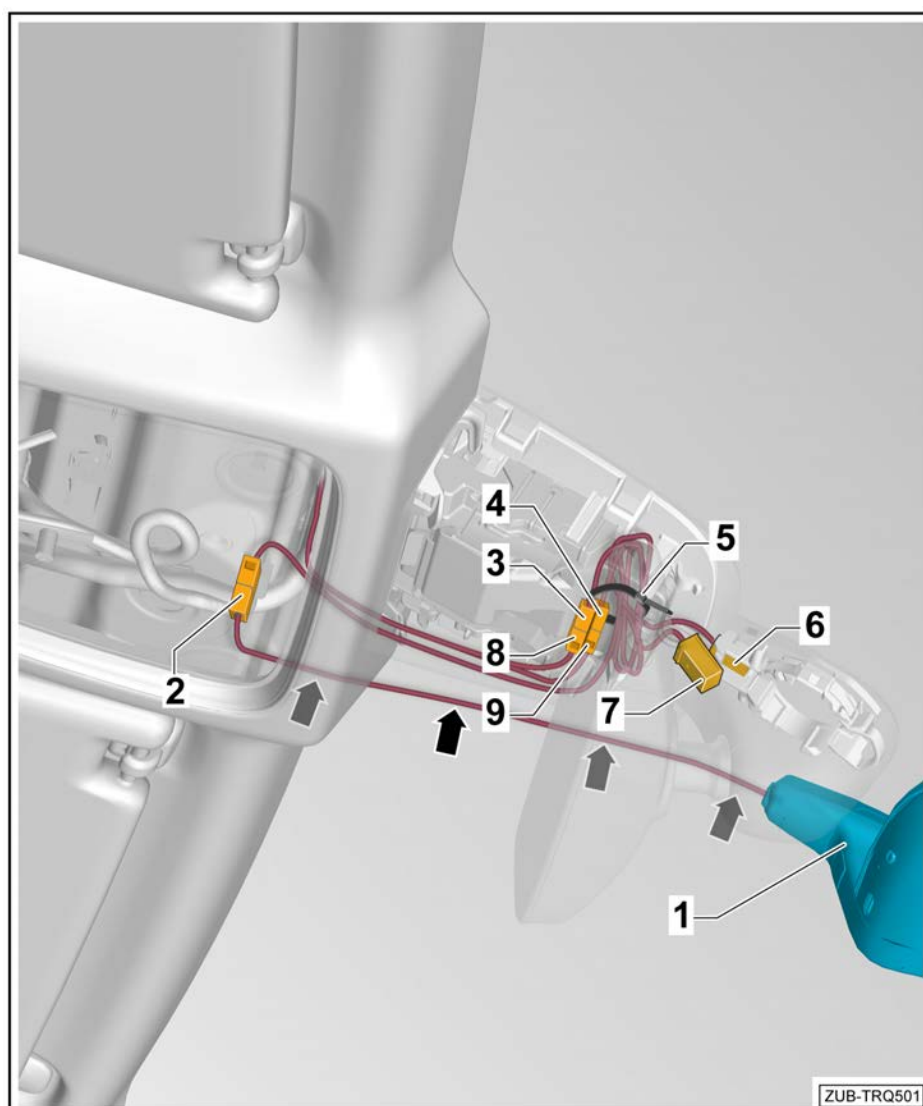
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

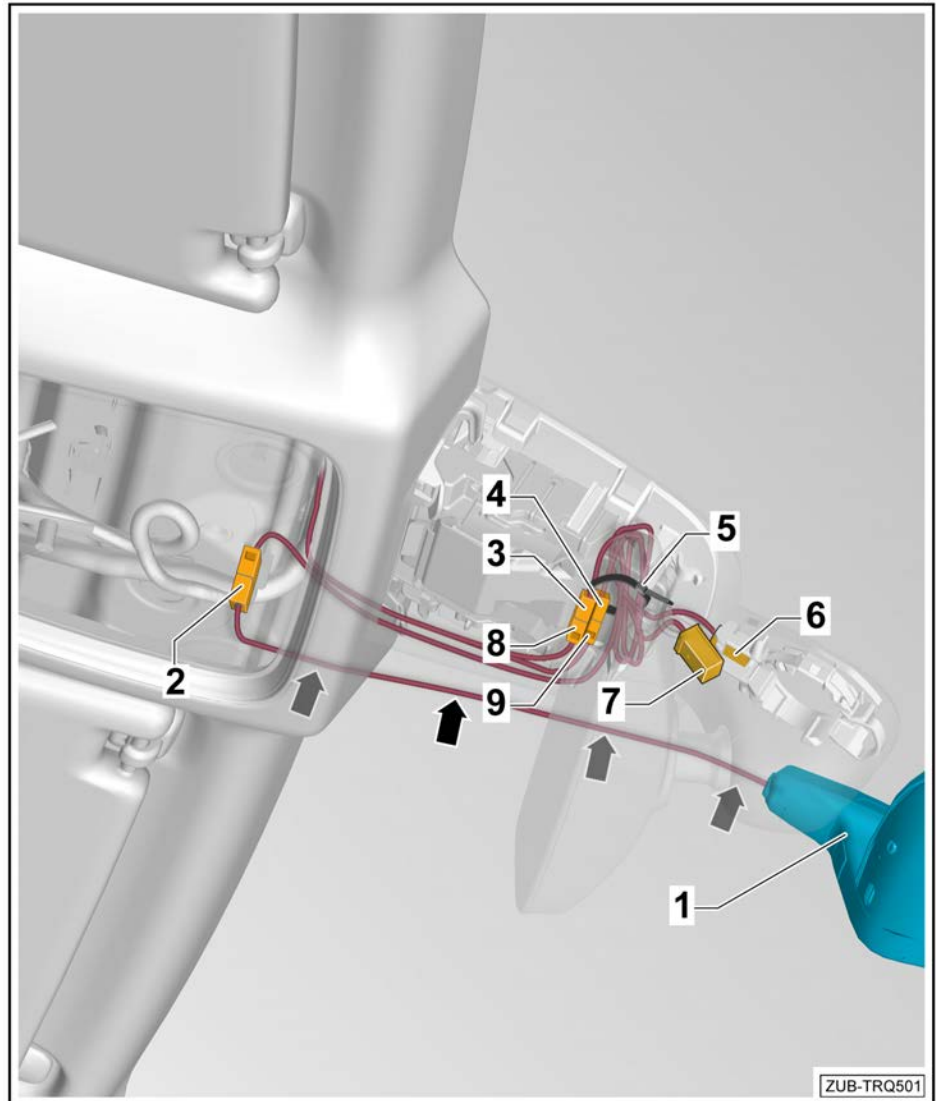
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

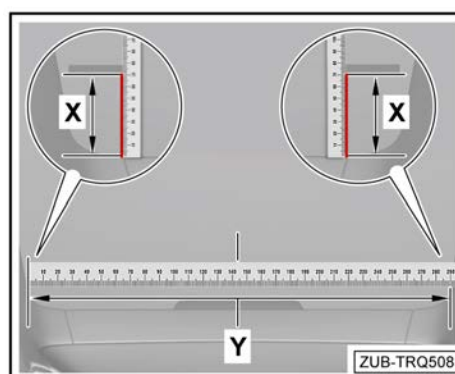
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

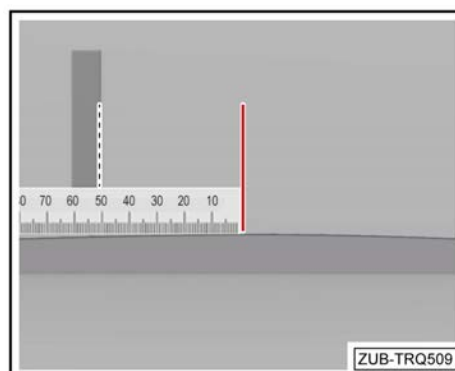
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

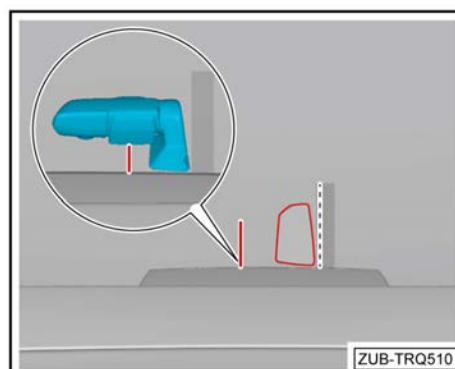
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

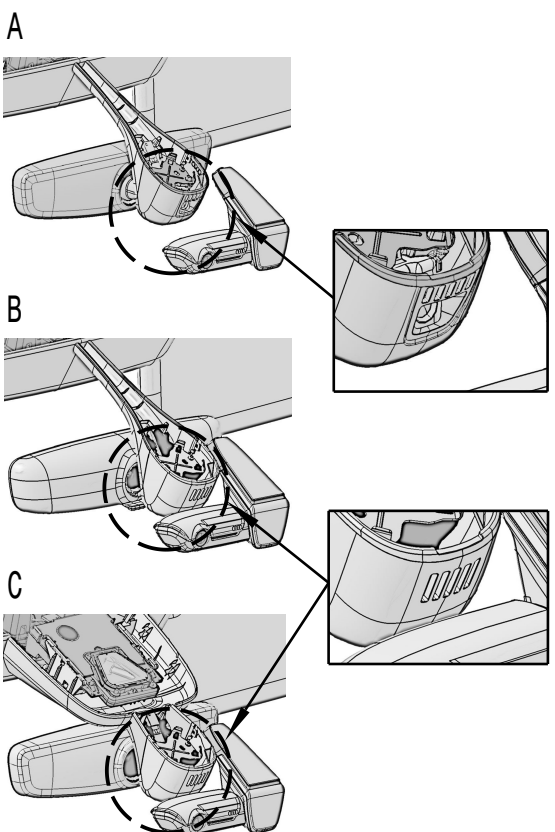
5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q5 (FY) - AU426



Note:
When printing this template
don't make any format adaption!

A

window edge

B/C

window edge

mid windscreen

STR

Check dimensional change!

Nominal size: 100mm

Installation instructions

Audi Universal Traffic Recorder

Audi Q7 2015 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

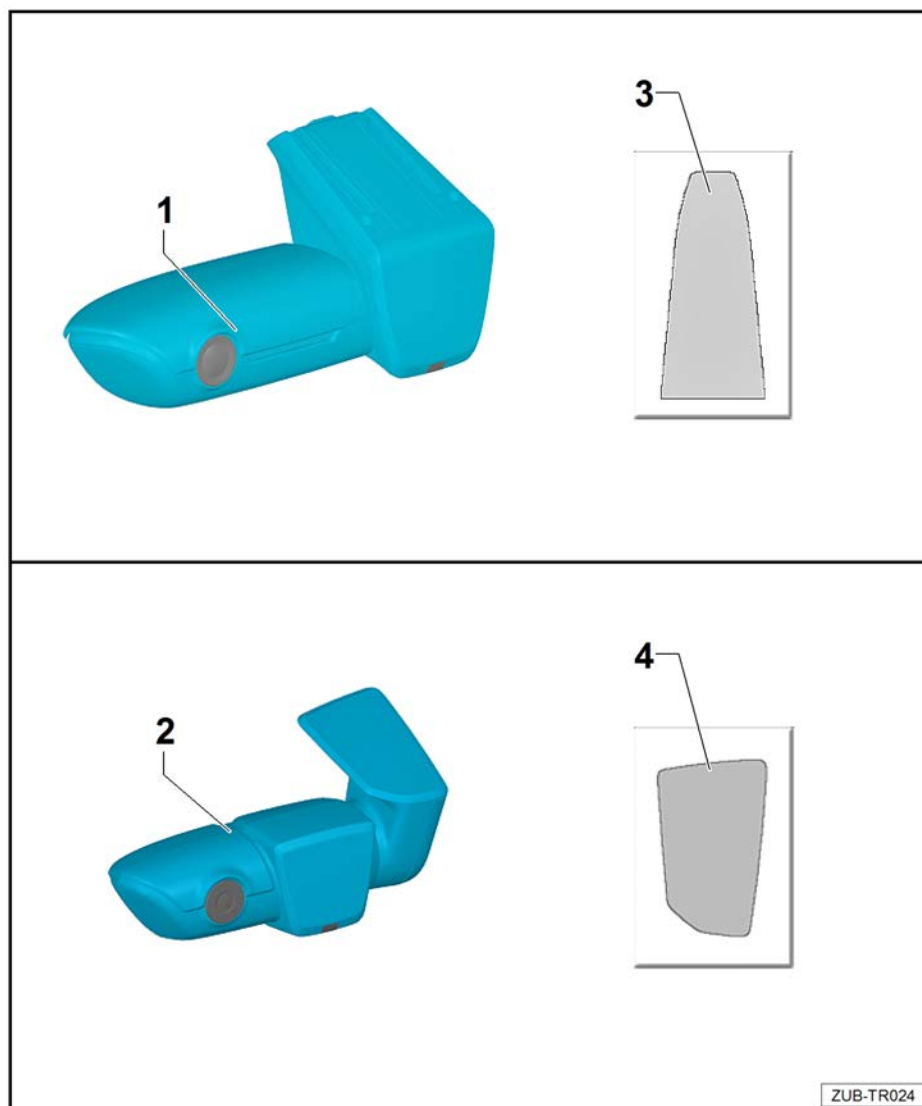
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

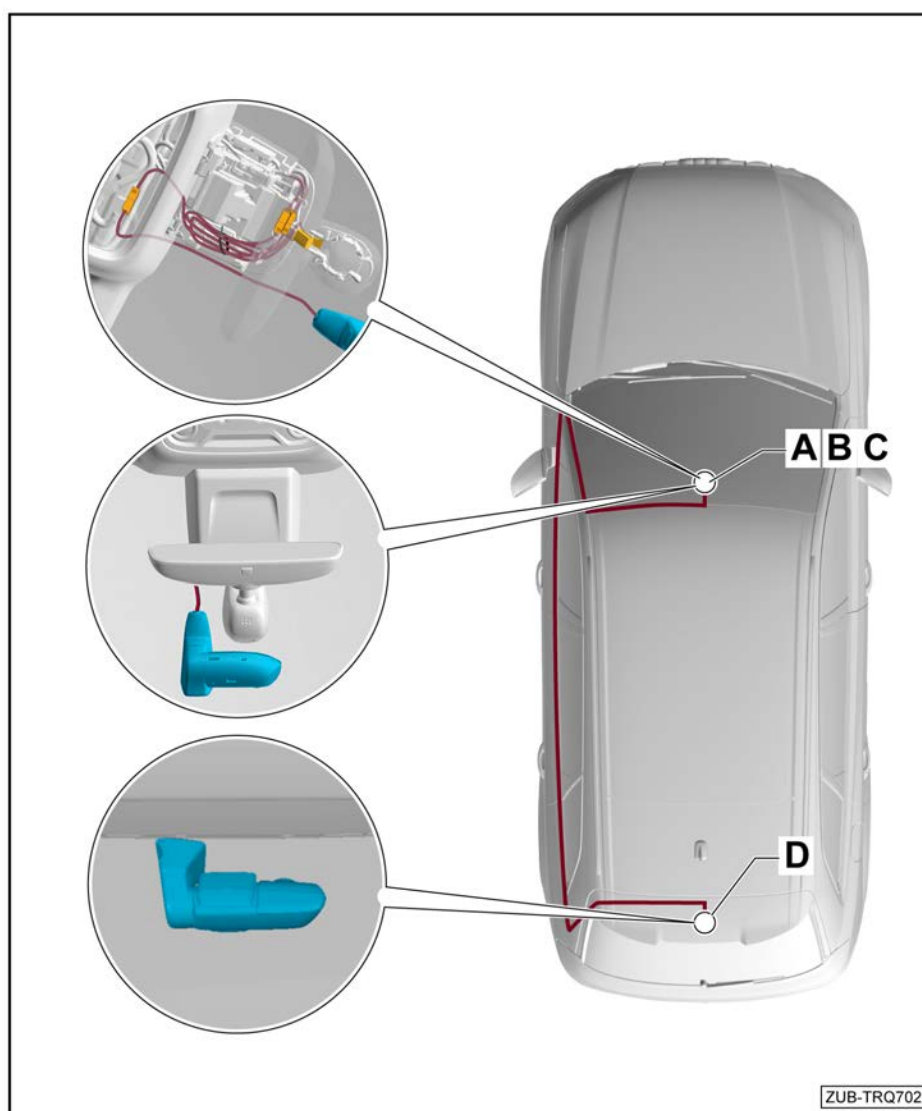
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

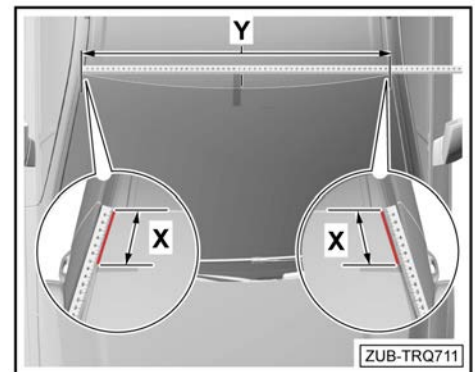
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

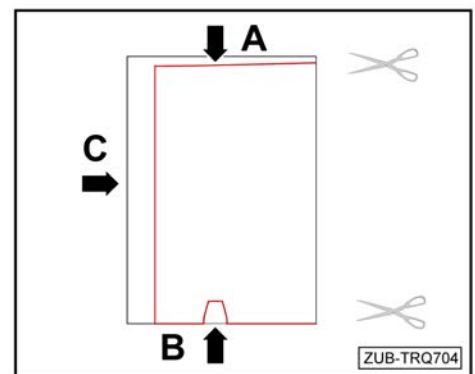
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

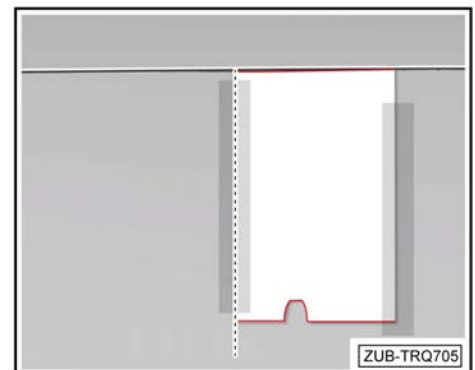


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



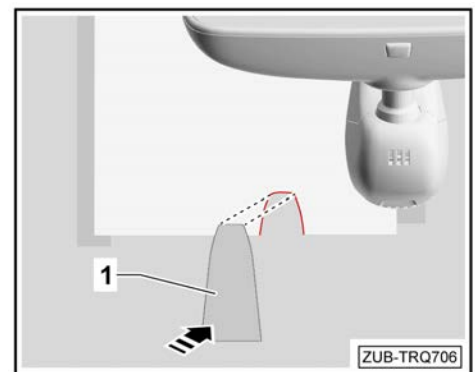
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



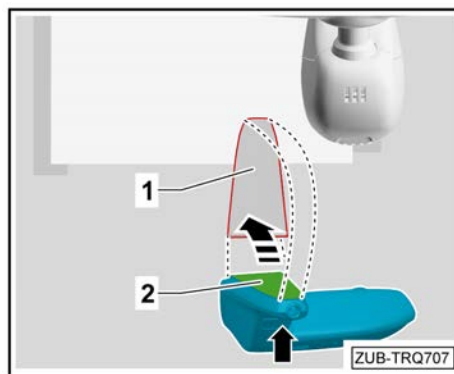


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



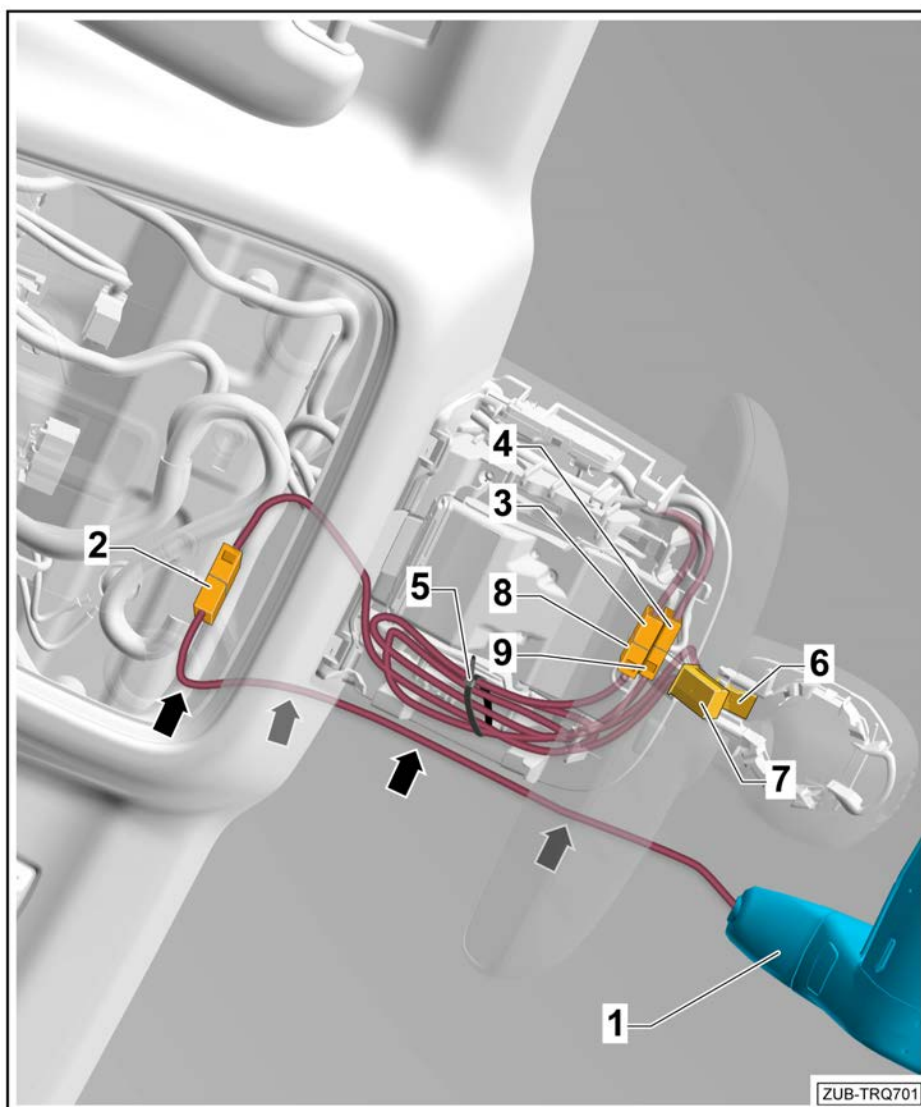
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

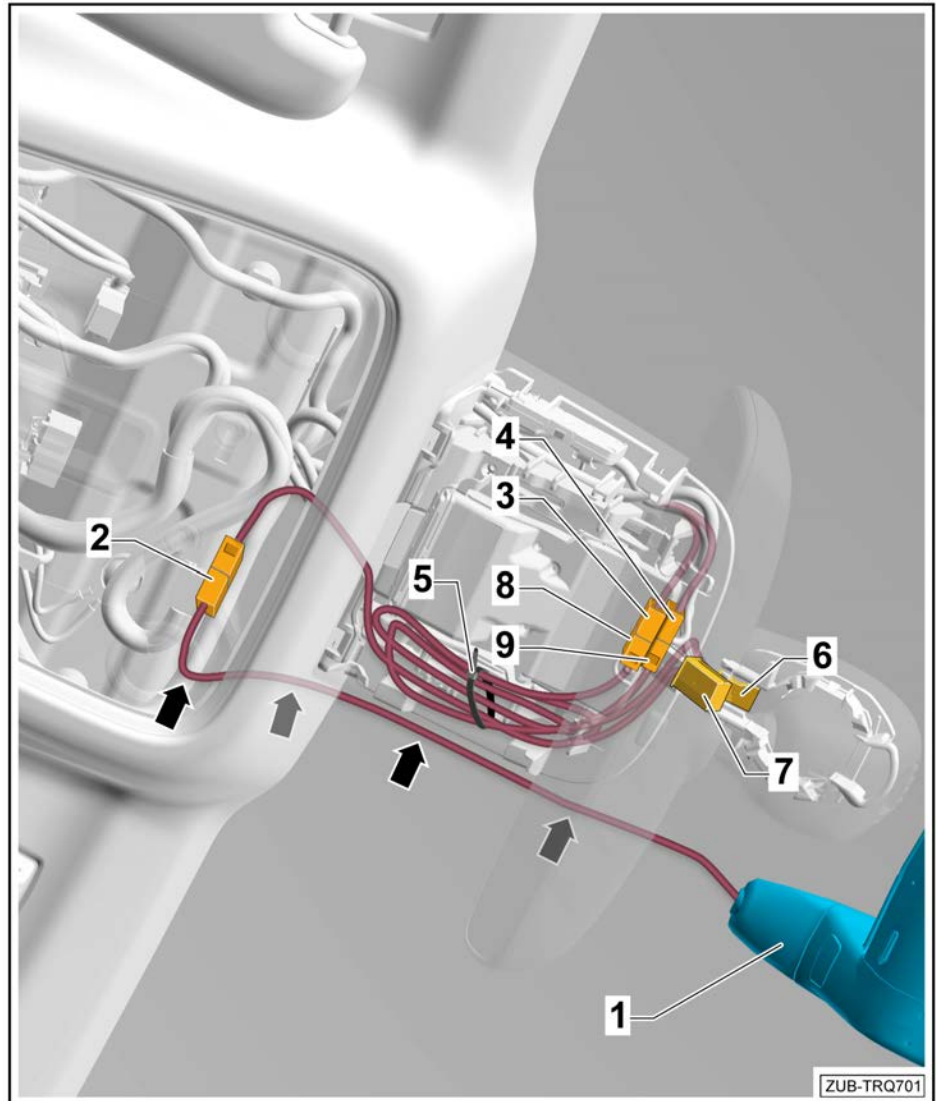
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

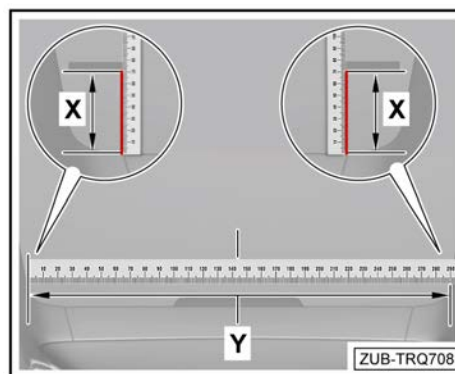
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

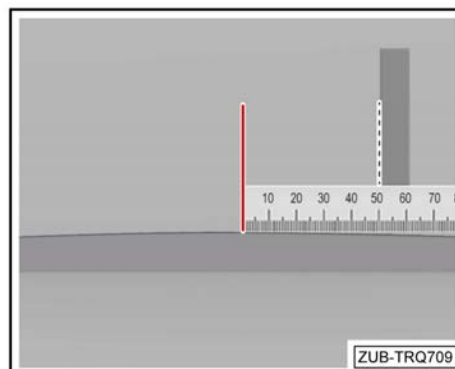
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

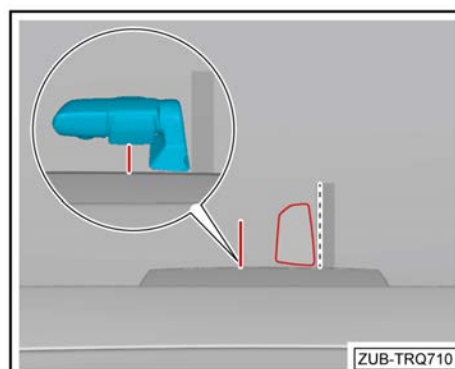
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

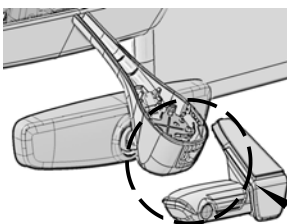
C

window edge

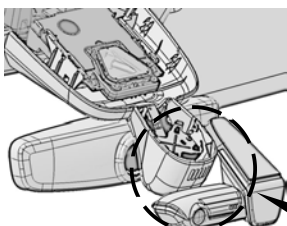
A/B

window edge

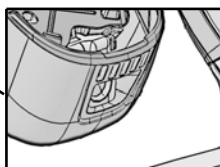
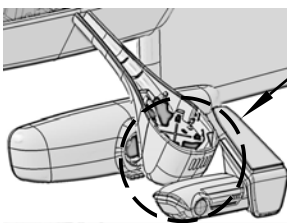
C



B



A



Audi Q7 4M AU536
Check dimensional!

Nominal size 100mm

mid windscreen

STR

Note:

When printing this template don't
make any format adaption!

Installation instructions

Audi Universal Traffic Recorder Audi Q8 2019 ►

**Wiring harness 4G0.063.511.AA
for scope of delivery
4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A**

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

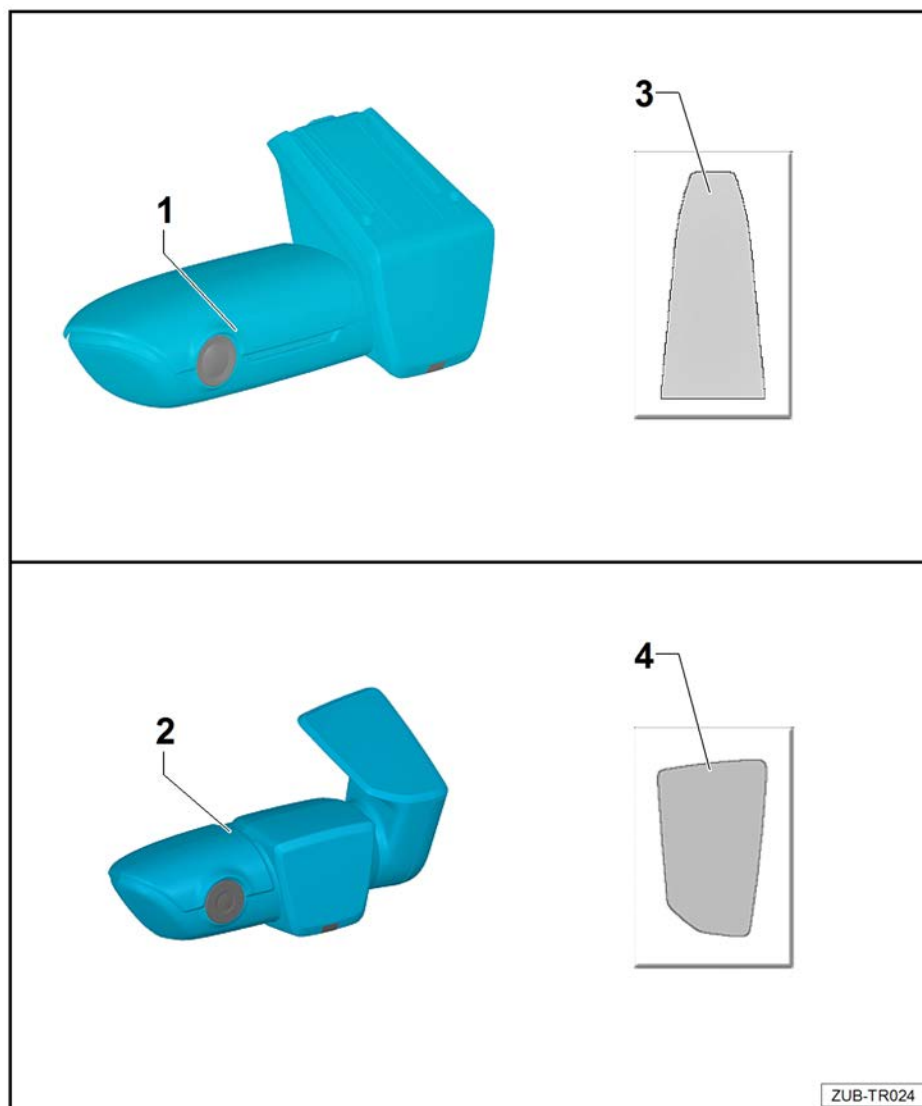
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

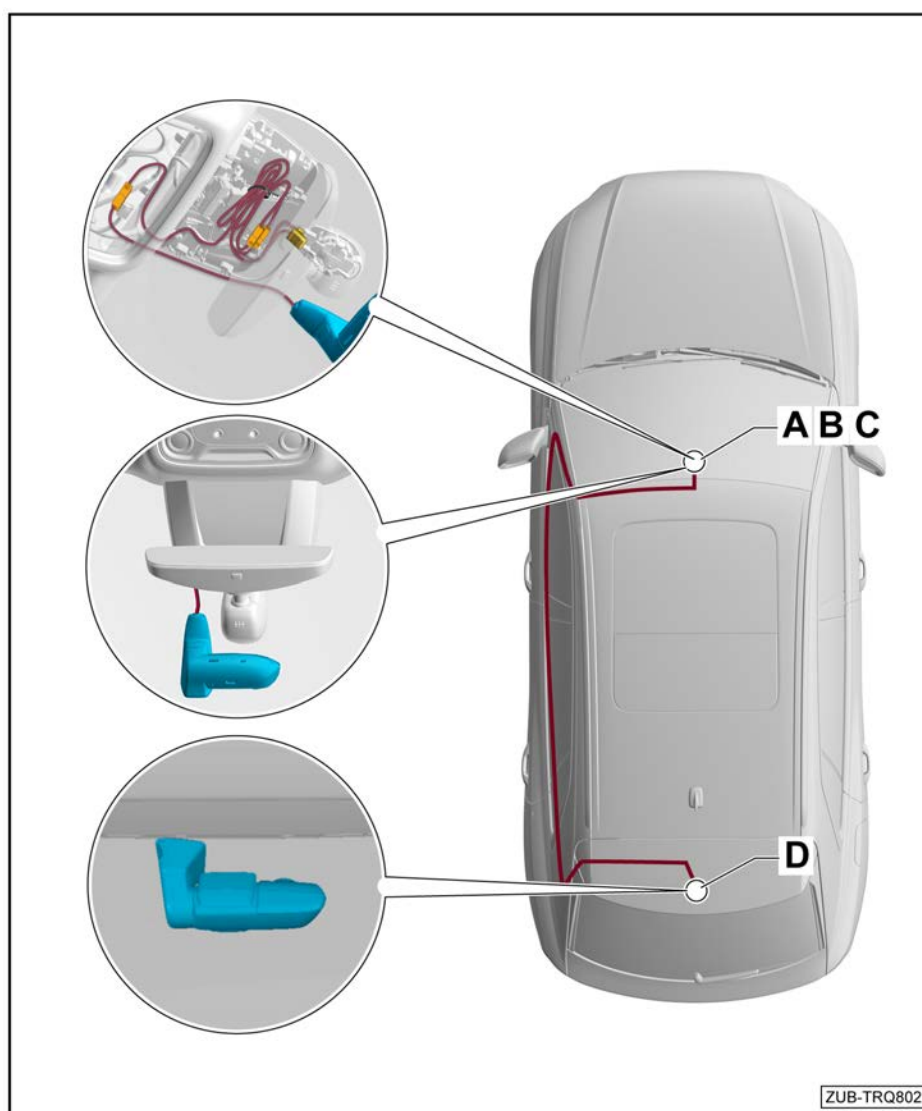
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

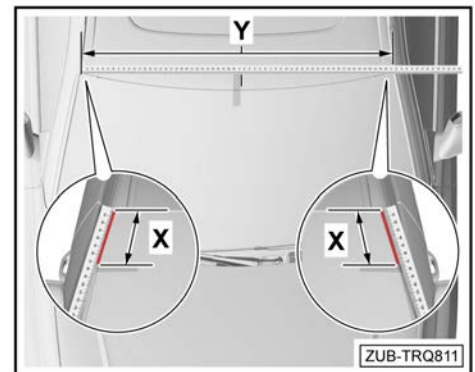
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

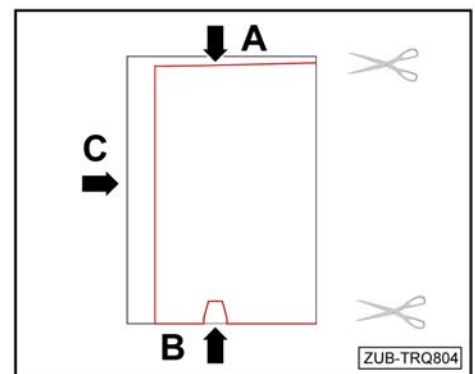
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

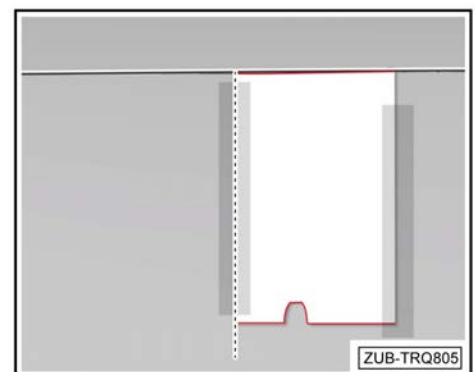


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



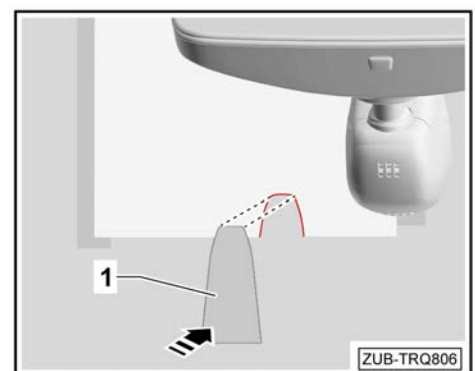
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



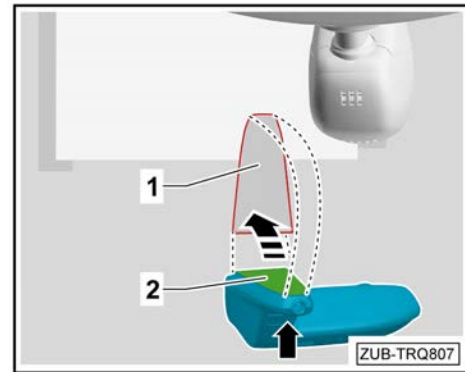


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



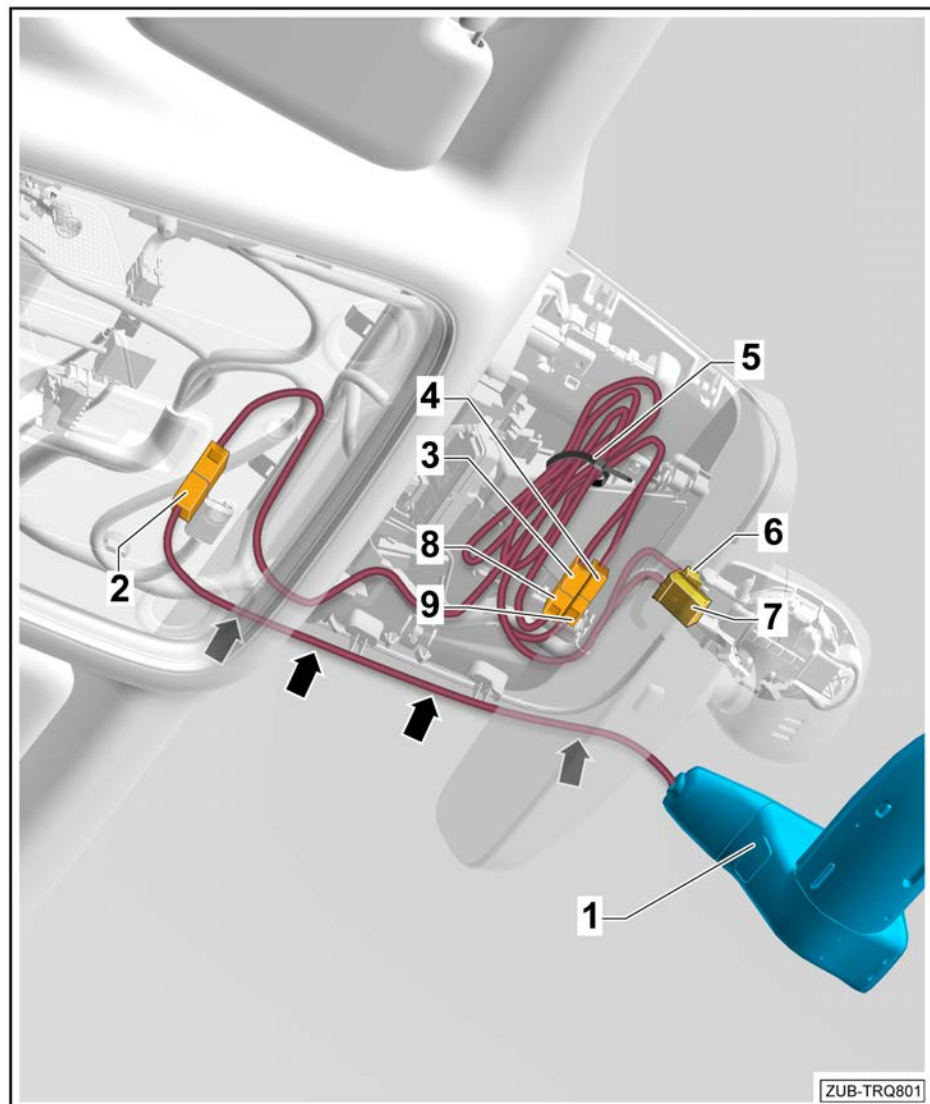
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

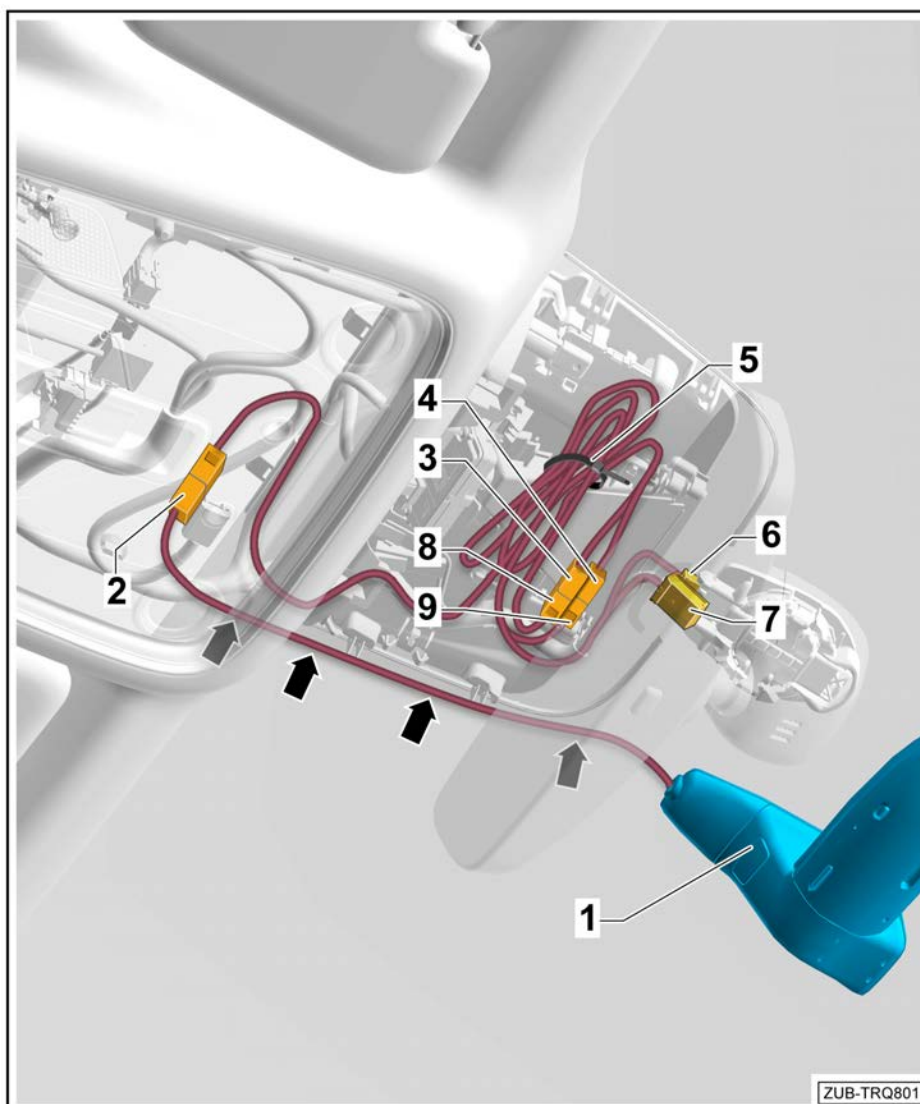
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

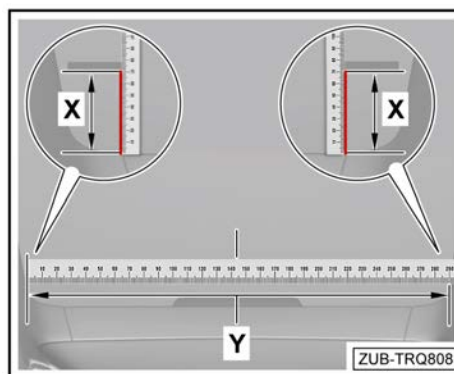
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

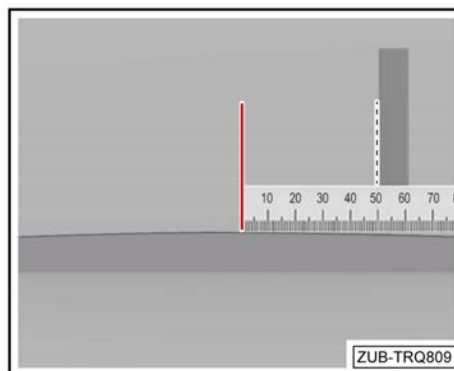
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

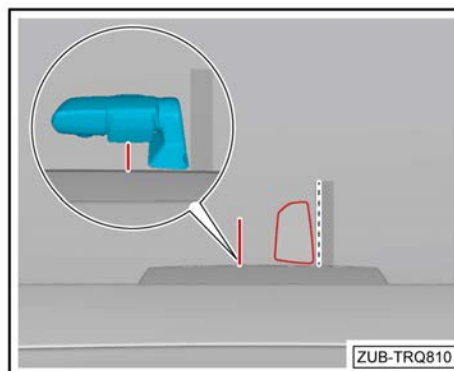
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

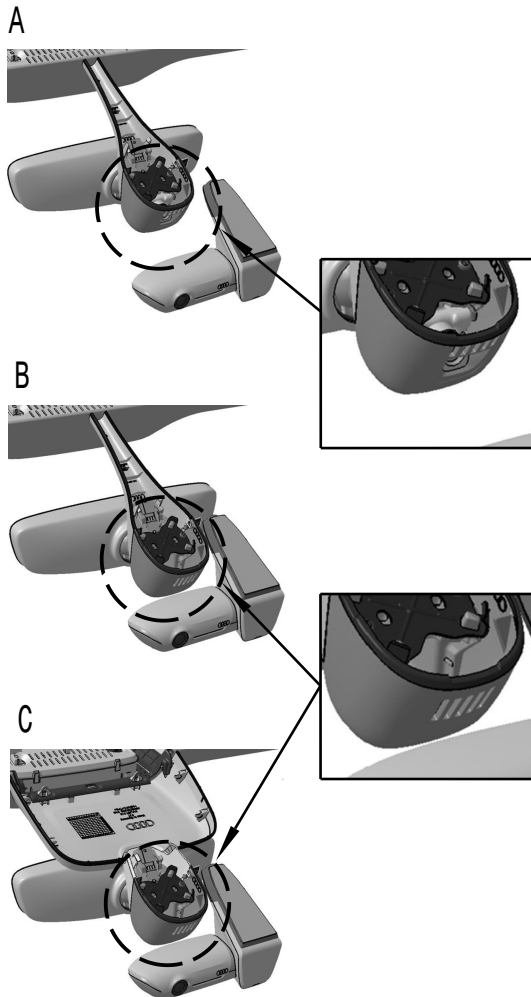
Audi Q8 (4M) - AU536/3

window edge

A

window edge

B/C



Check dimensional change!

Nominal size: 100mm

mid windscreen

STR

Note:
When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi e-tron 2019 ►

Wiring harness 4G0.063.511.AA
for scope of delivery
4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



WARNING

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CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

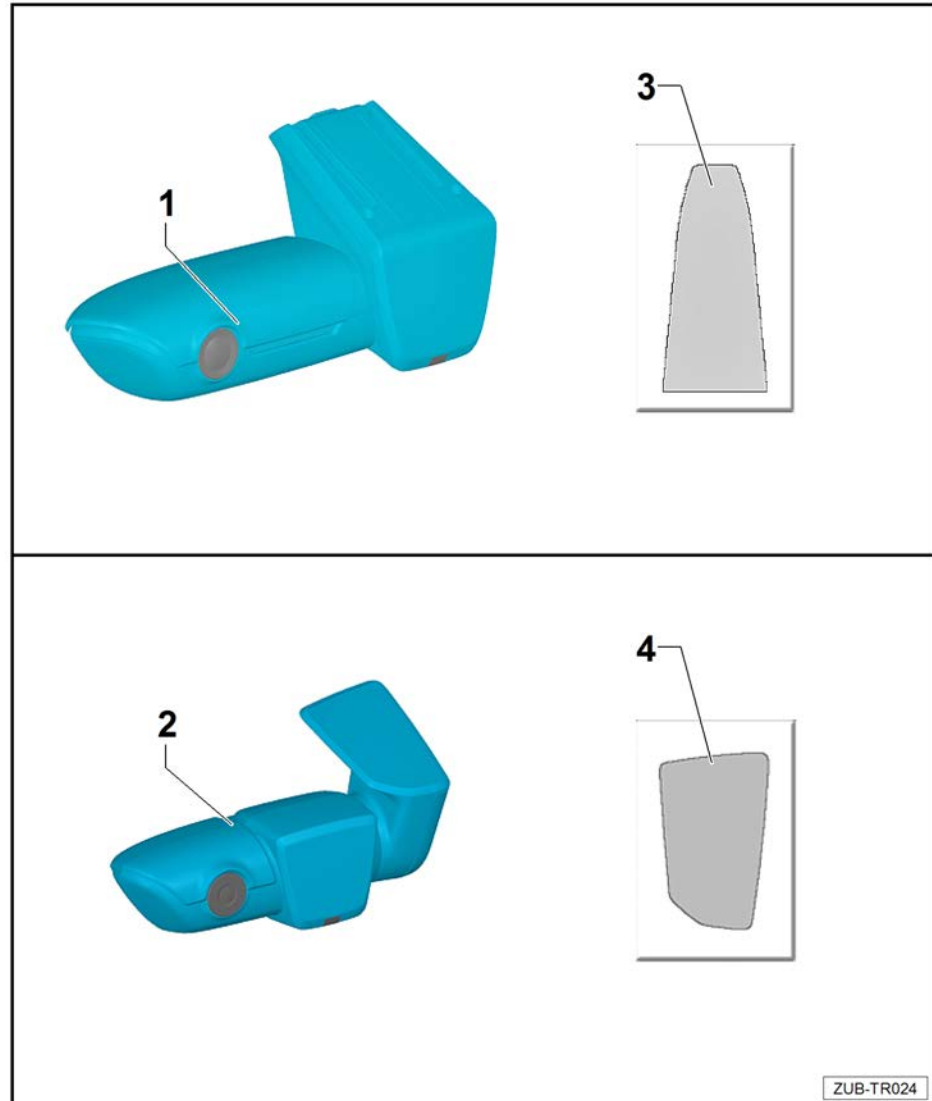
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

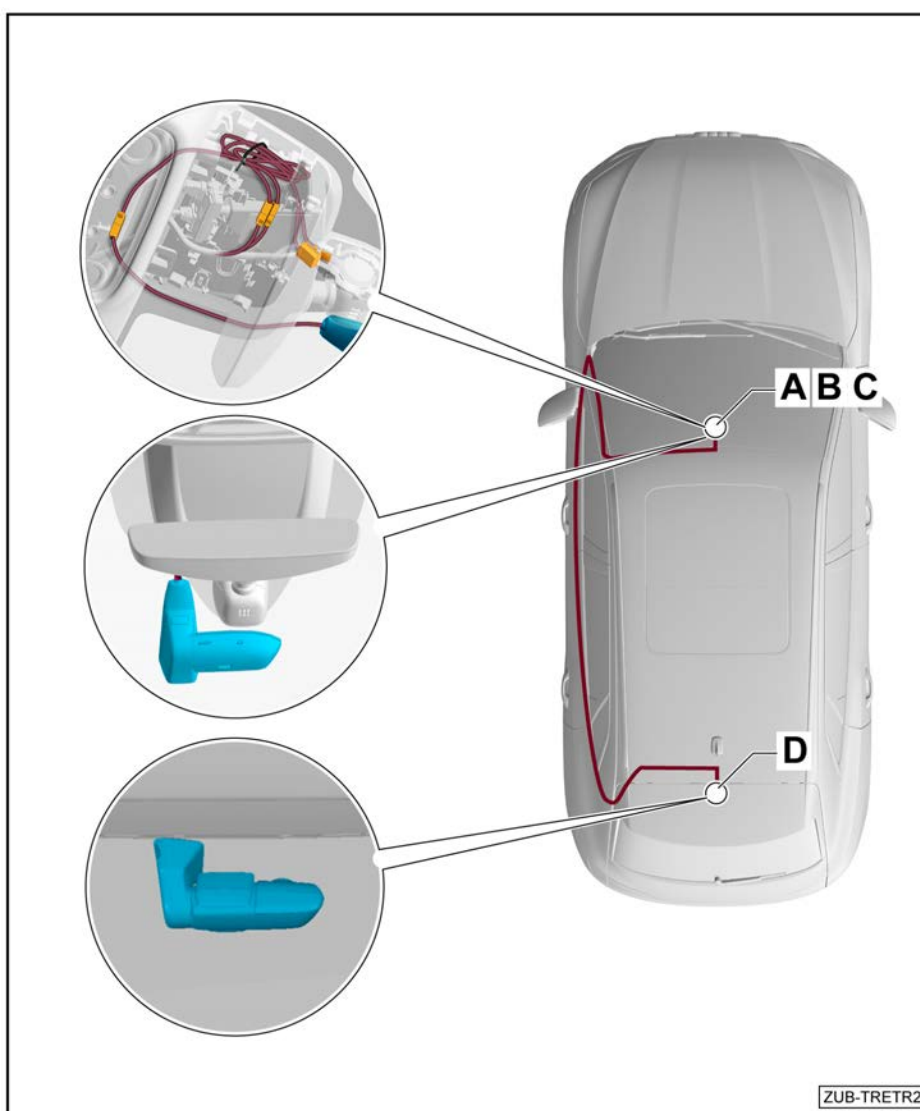
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the driver side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the driver side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar trim
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

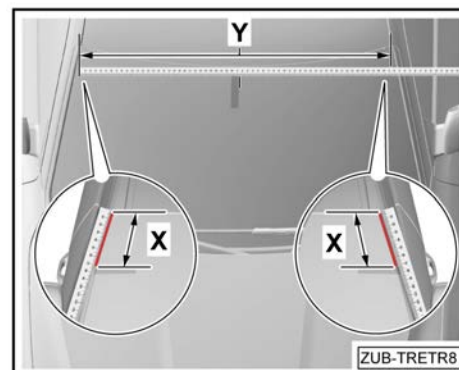
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

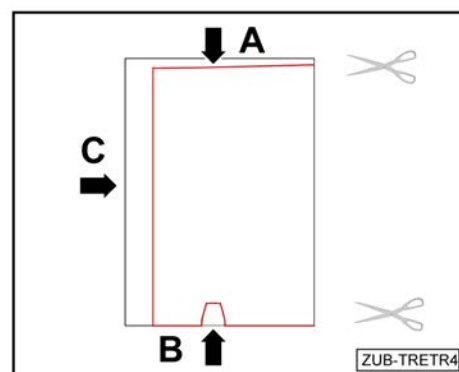
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

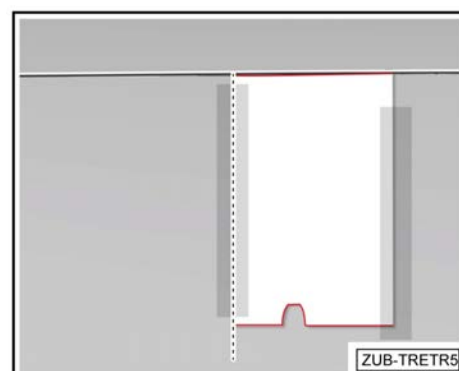


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



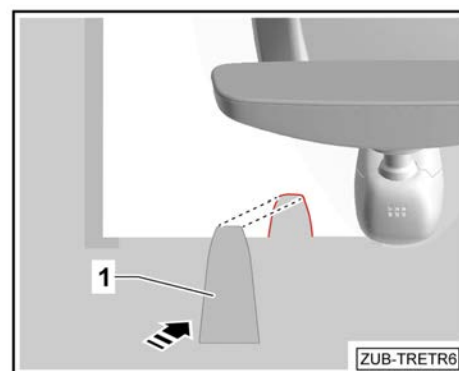
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



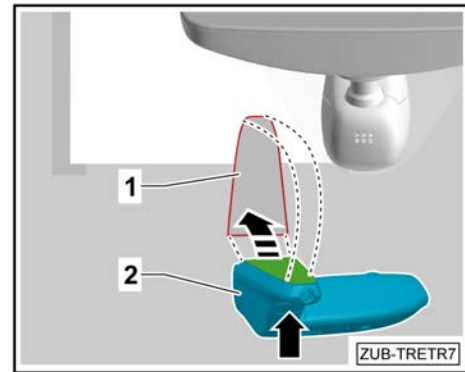


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



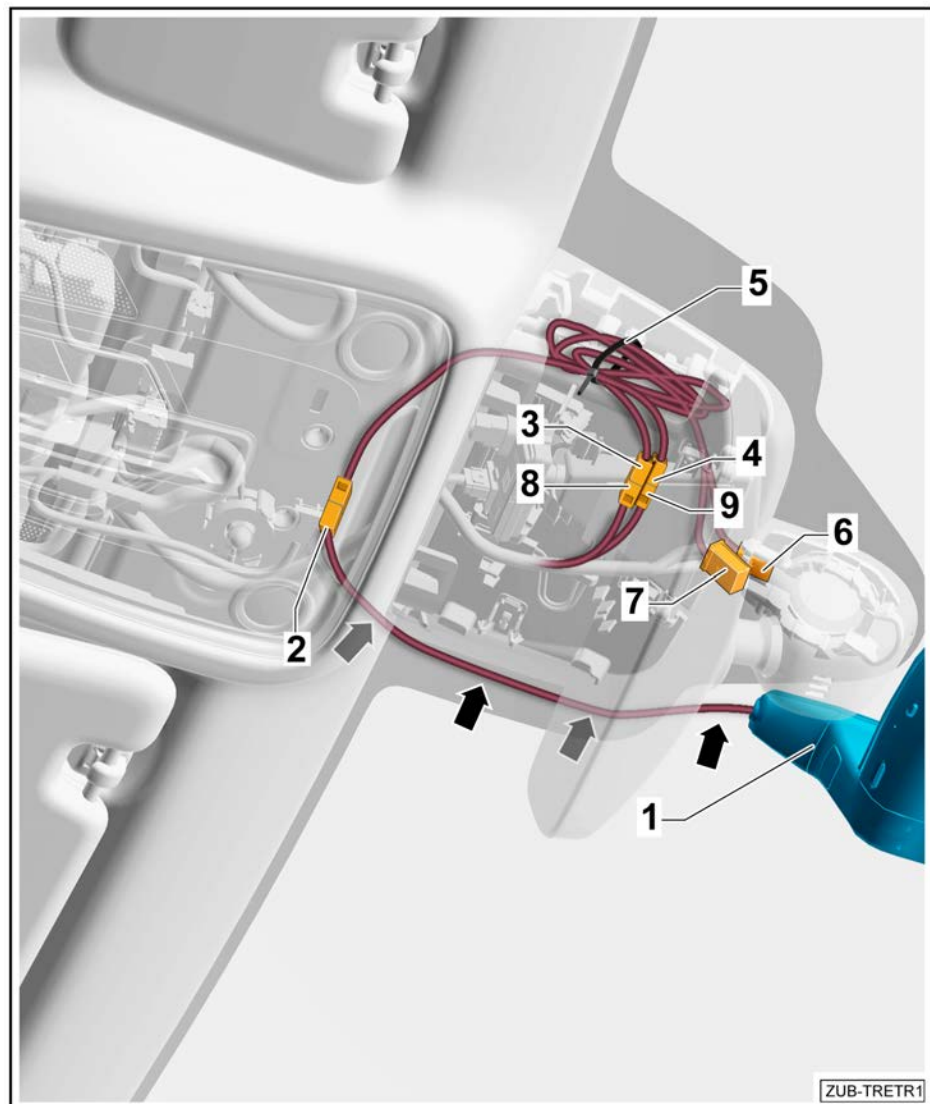
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

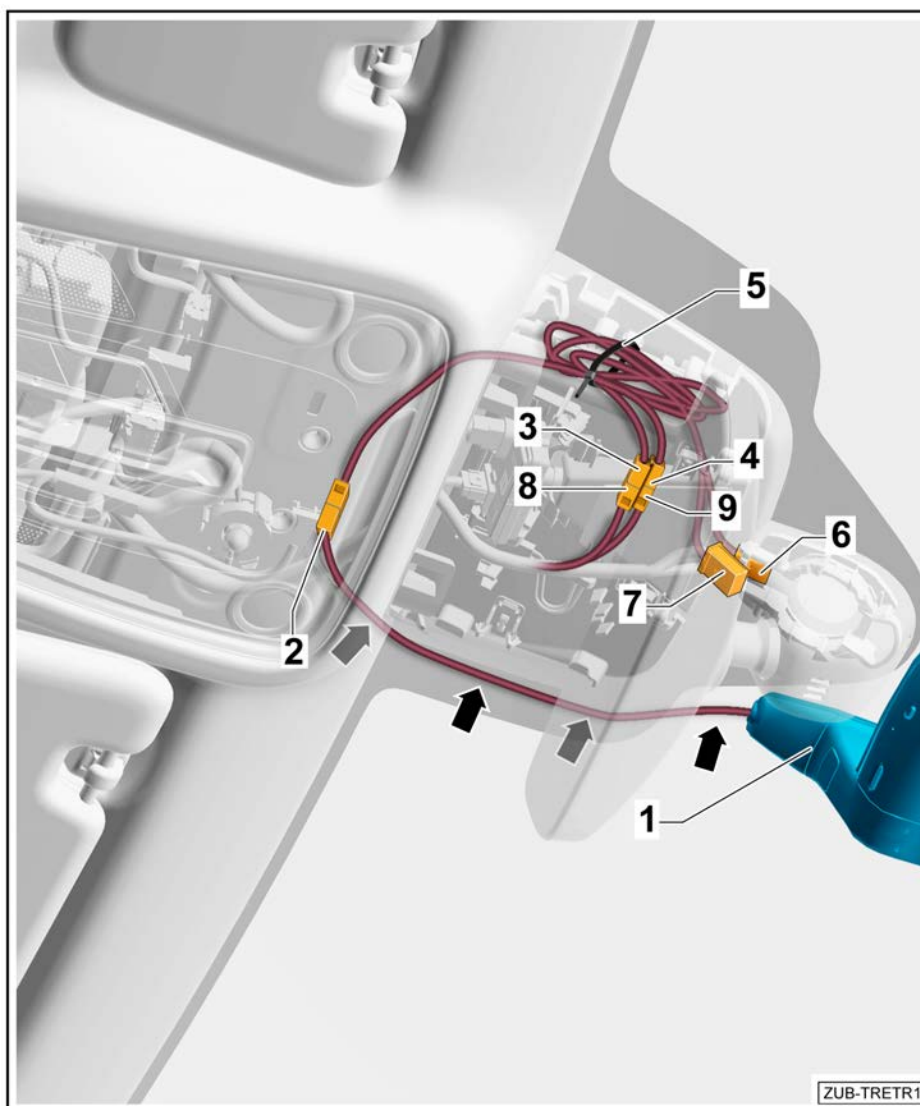
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

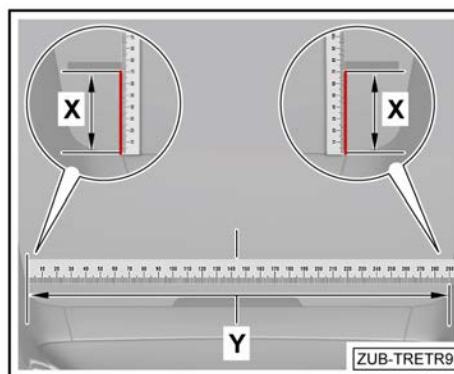
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

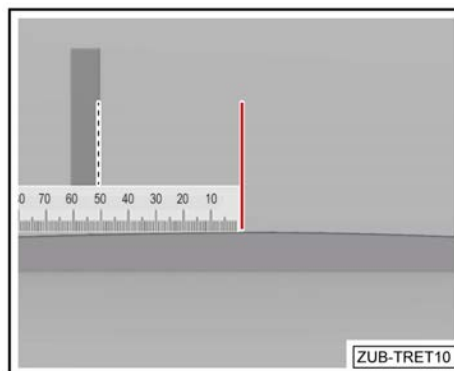
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

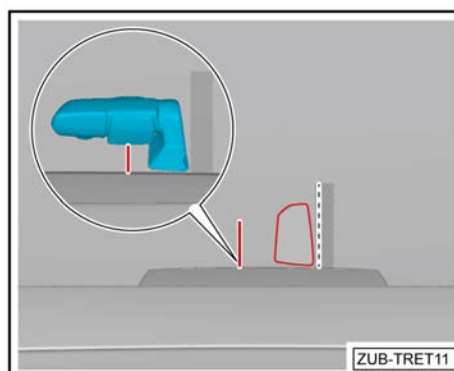
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

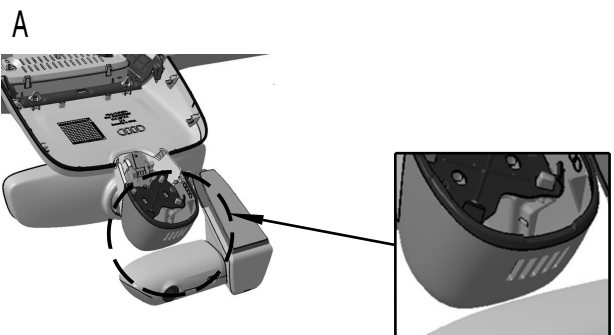
- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi e-tron (GE) - AU516/1

Audi e-tron Sportback (GE) - AU513/1



window edge

A

Check dimensional change!

Nominal size: 100mm

mid windscreen

STR

Note:

*When printing this template
don't make any format adaption!*

Installation instructions

Audi Universal Traffic Recorder

Audi Q6 e-tron 2024 ►

Audi Q6 e-tron Sportback 2024 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



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CAUTION

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NOTICE

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TIP:

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Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

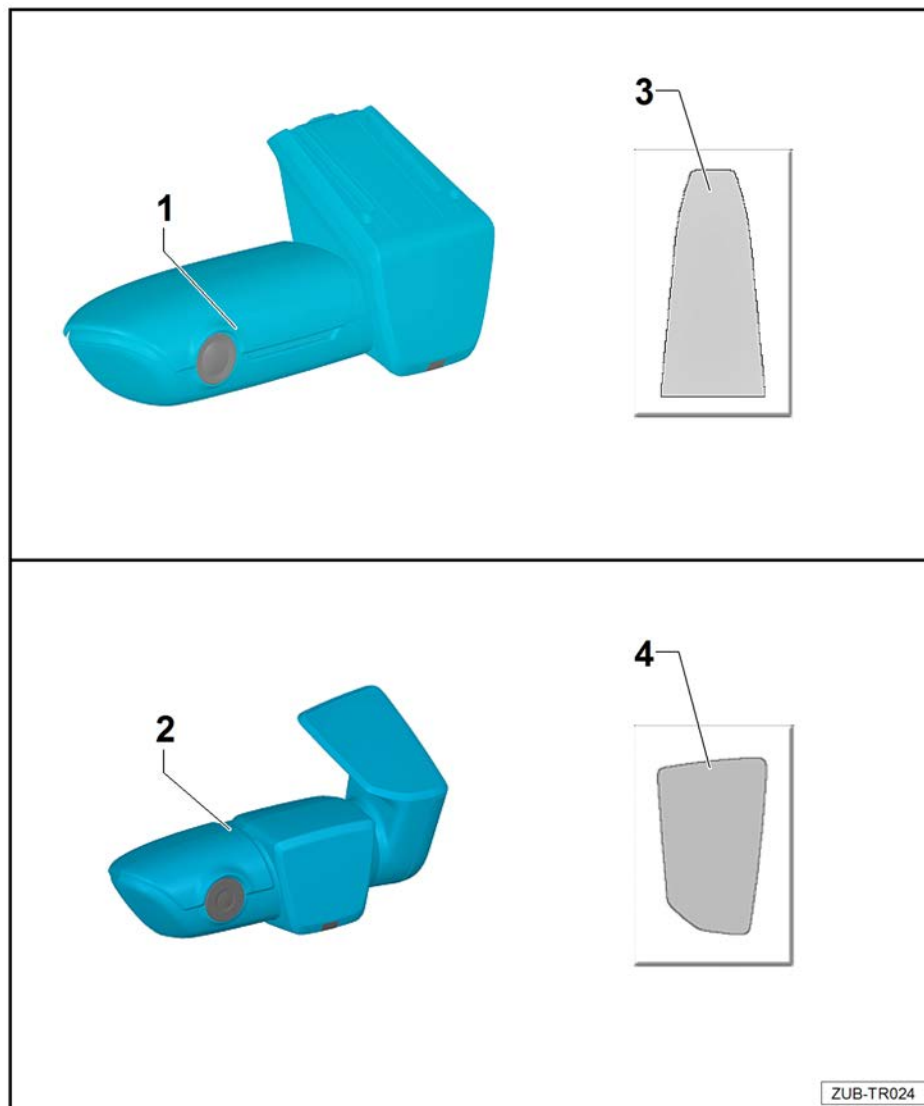
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

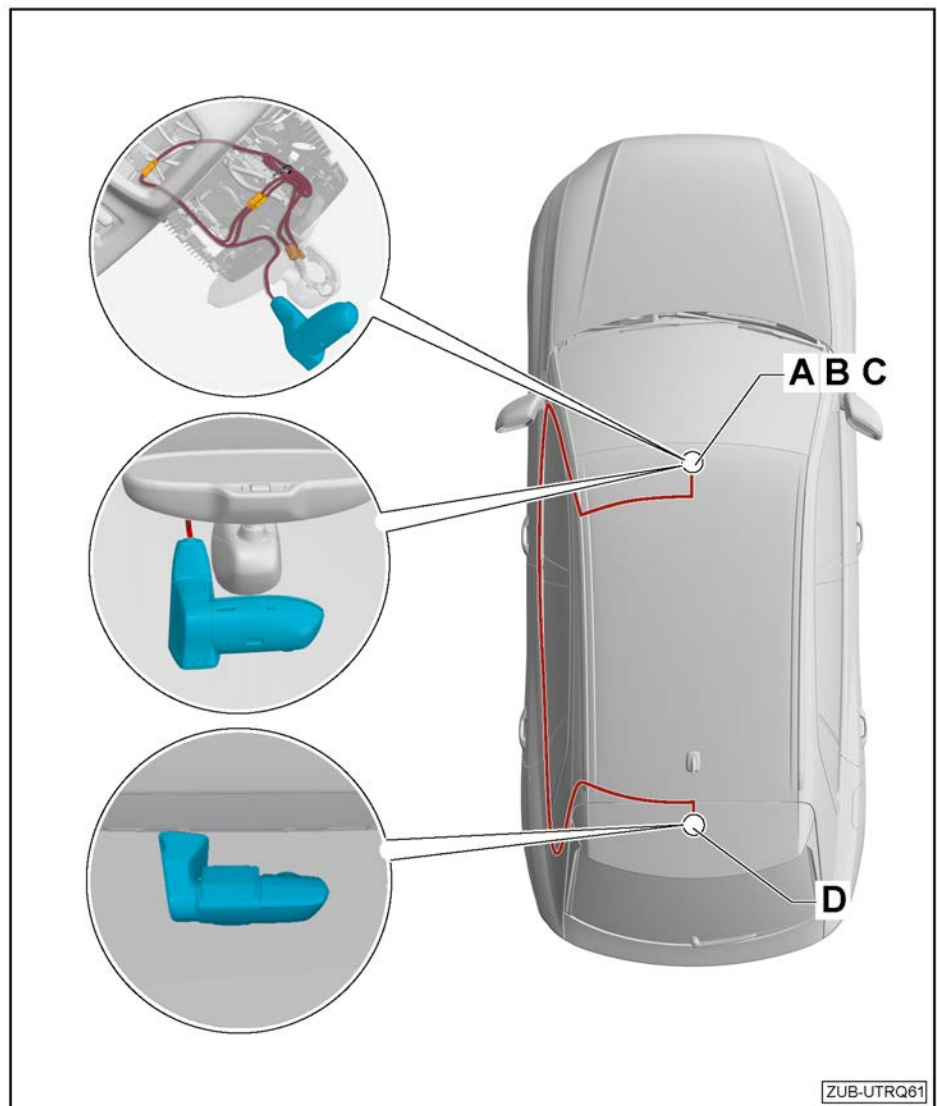
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

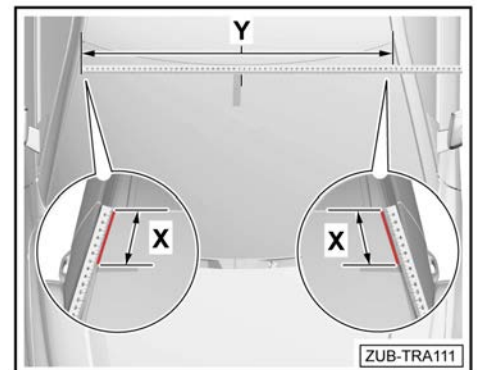
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

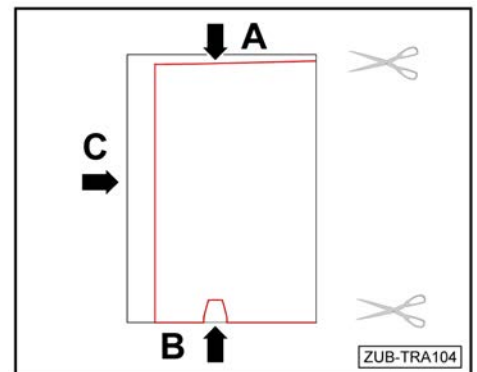
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

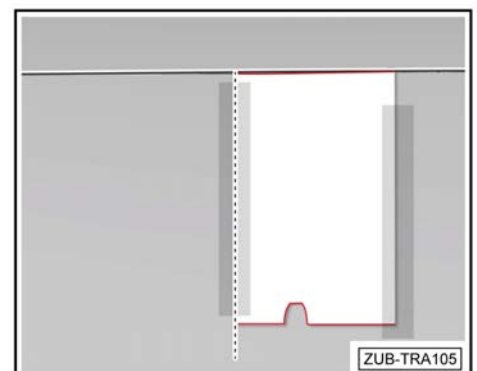


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



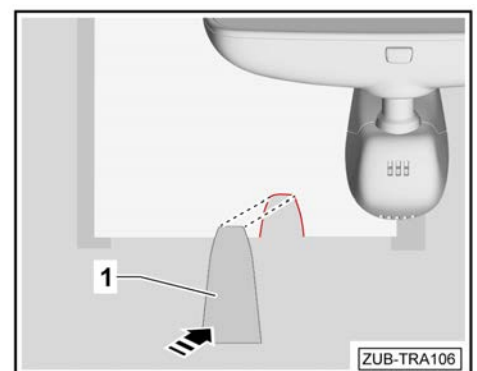
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



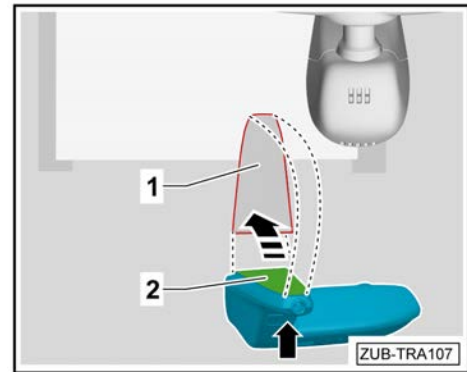


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



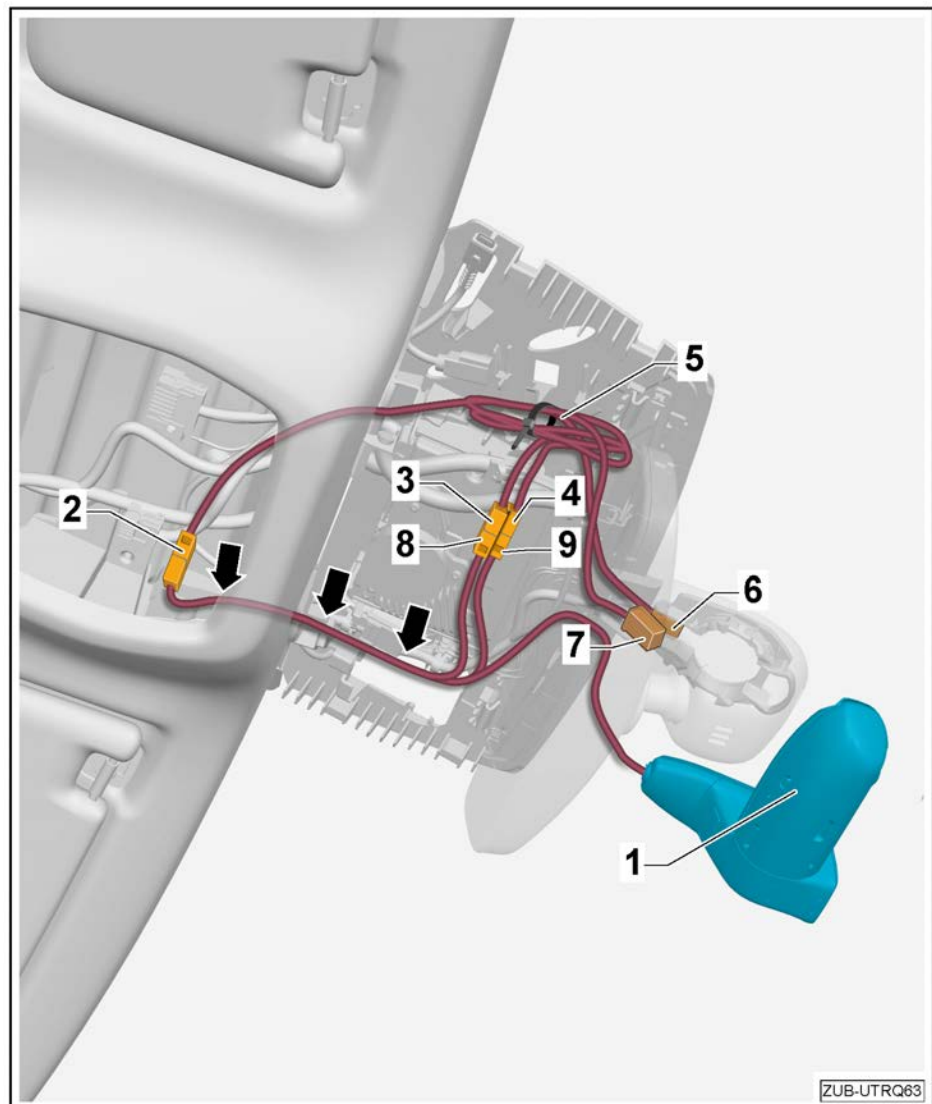
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

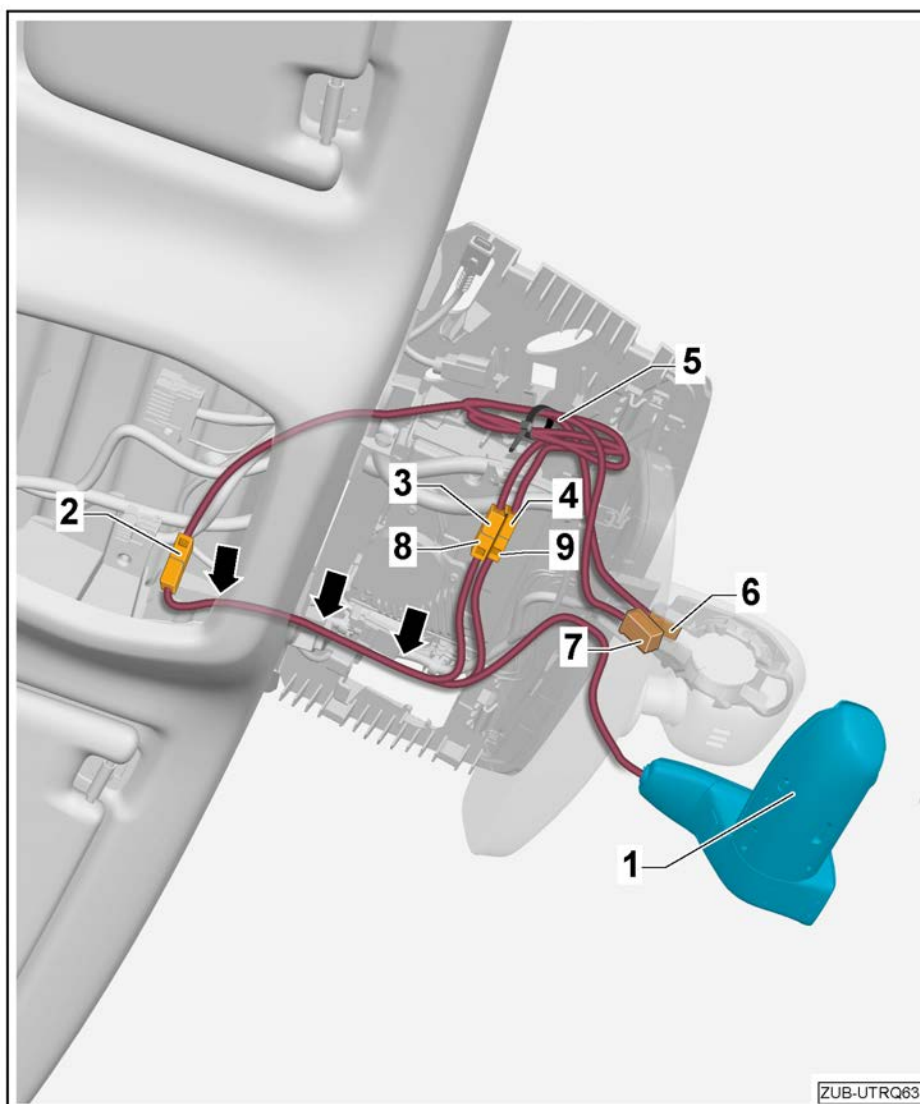
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

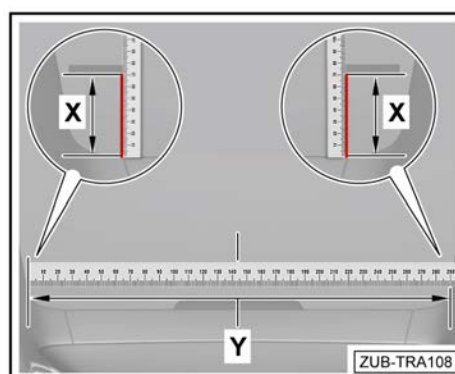
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

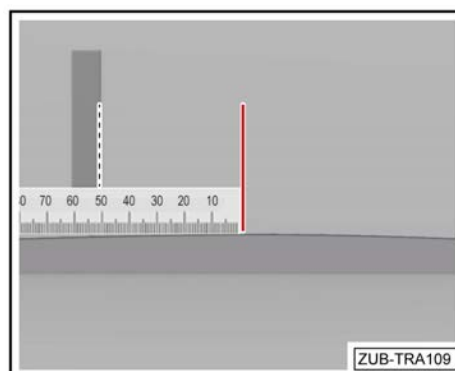
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

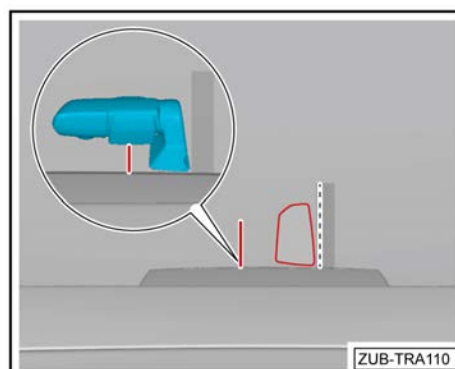
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q6 e-tron (FZ) - AU416/2

window edge

UTR

Check dimensional change!

Nominal size: 100mm

mid windscreen

Note:
When printing this template
dont make any format adaption!

Audi Q6 e-tron Sportback (FZ) - AU416/3

window edge

Check dimensional change!

Nominal size: 100mm

mid windscreen

UTR

Note:

When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

A5 Saloon 2025 ►

A5 Avant 2025 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply will result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

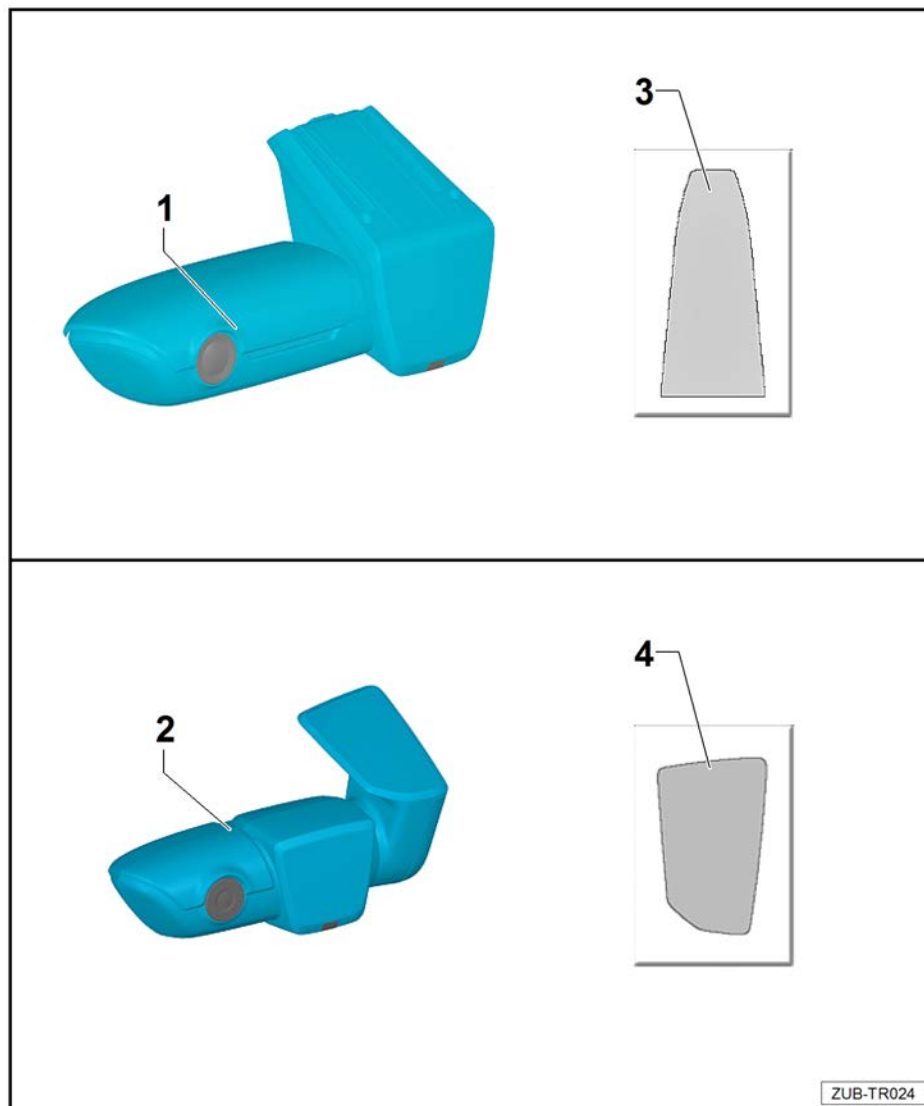
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

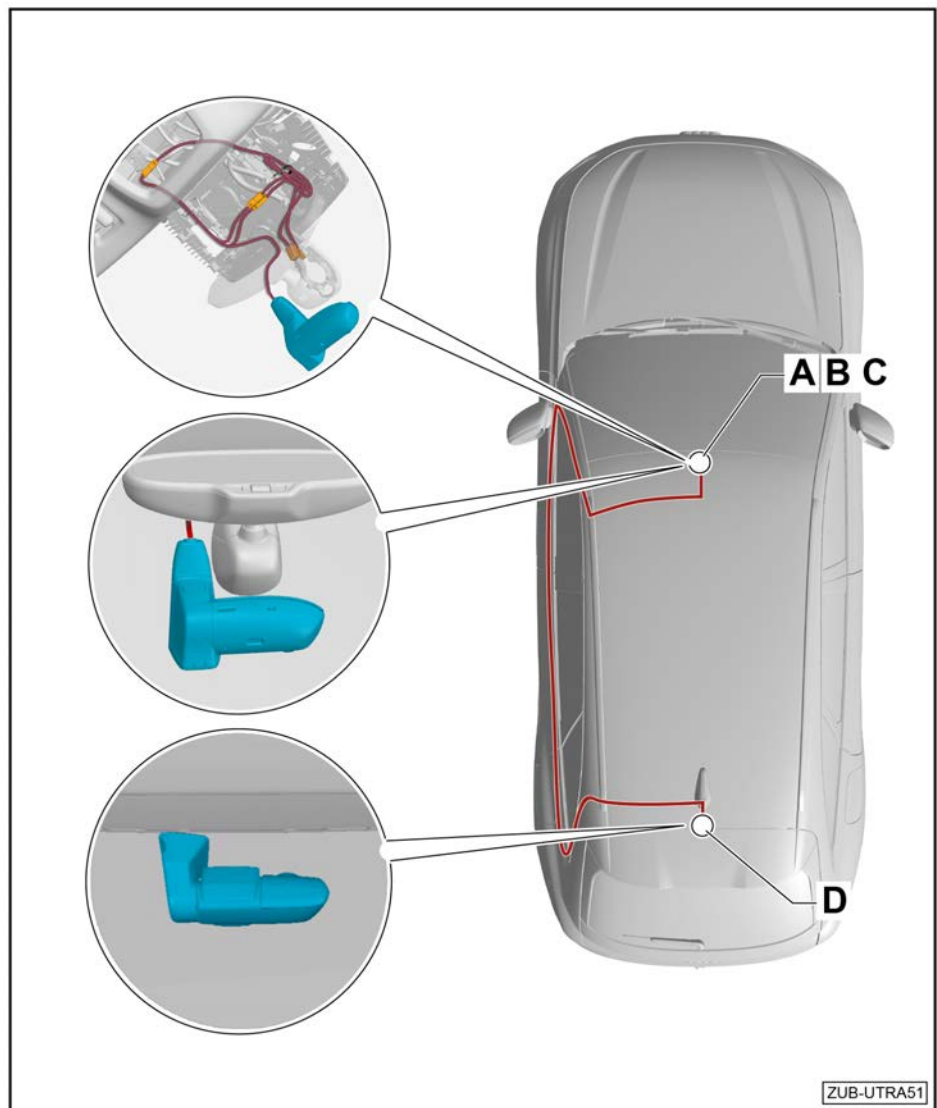
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

**Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA**

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply**
- B - Connection to earth**
- C - Position of front camera**
- D - Position of rear camera**





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

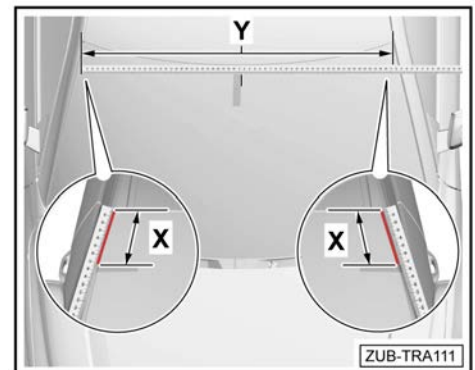
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

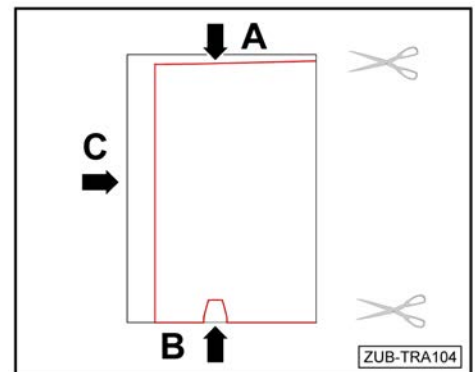
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

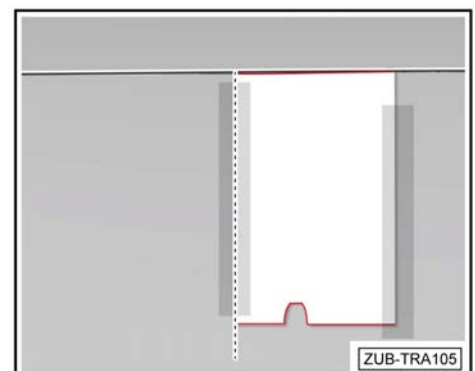


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



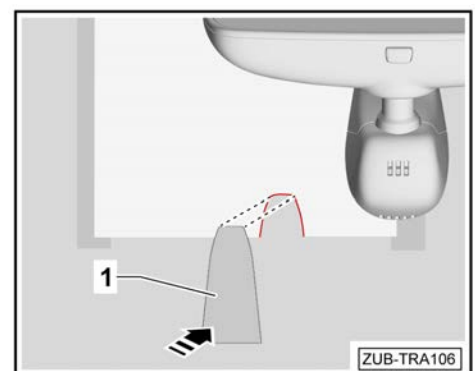
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



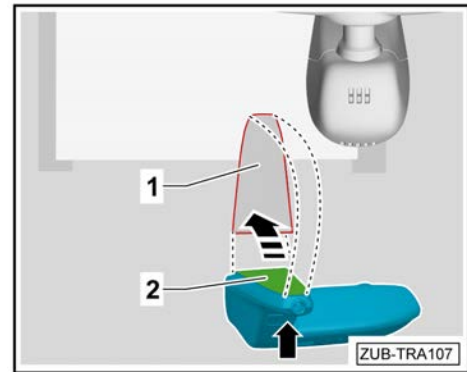


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



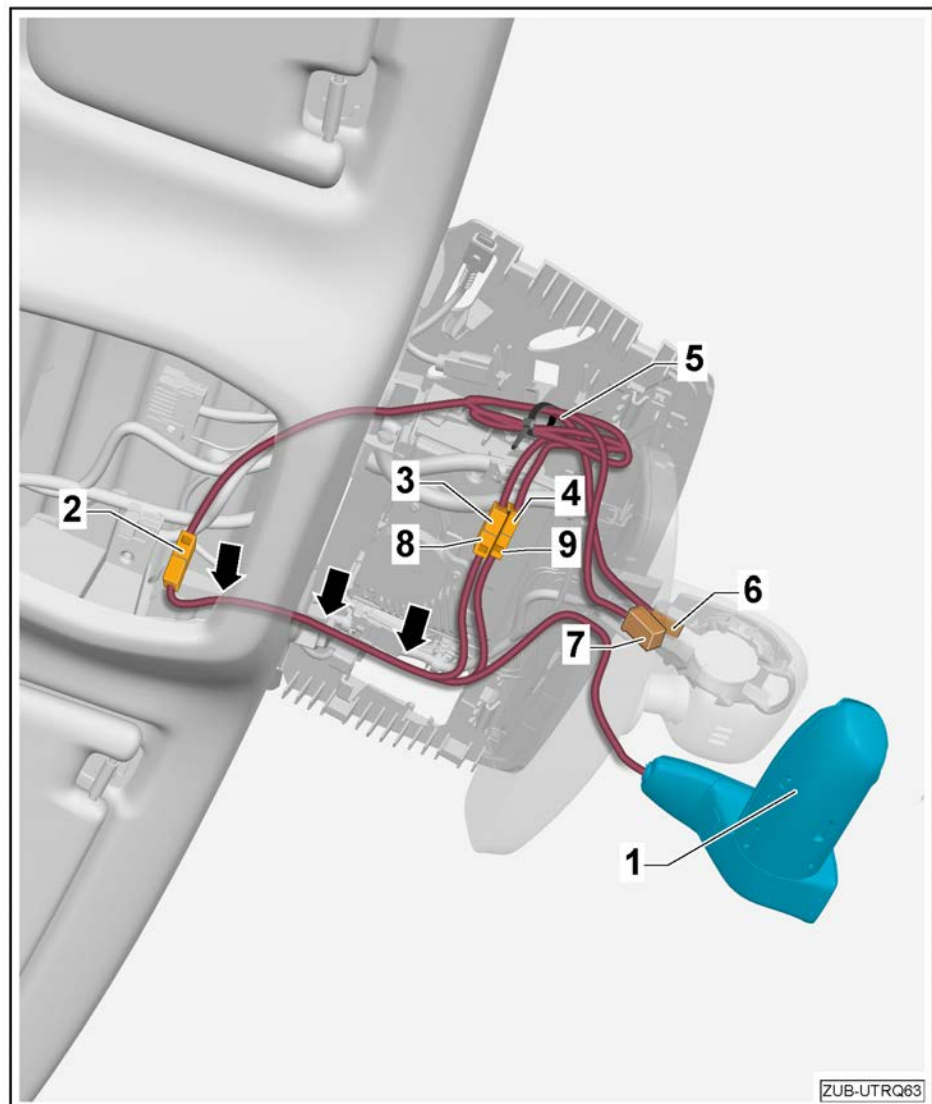
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

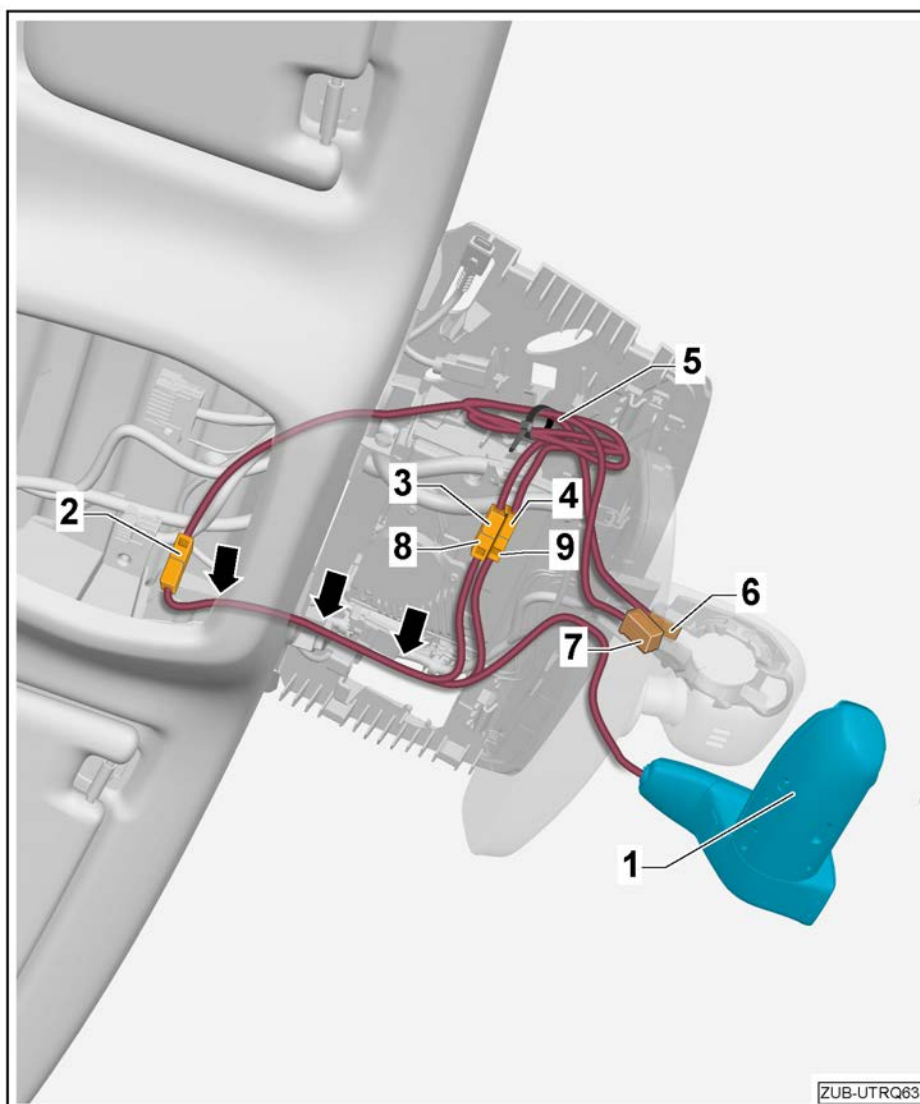
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

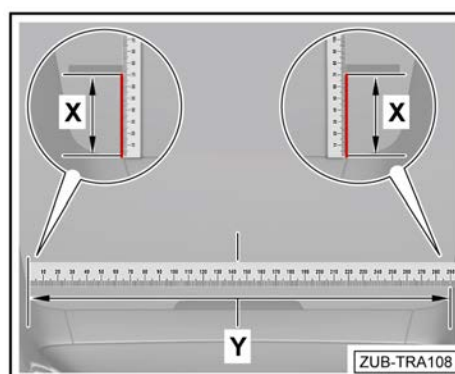
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

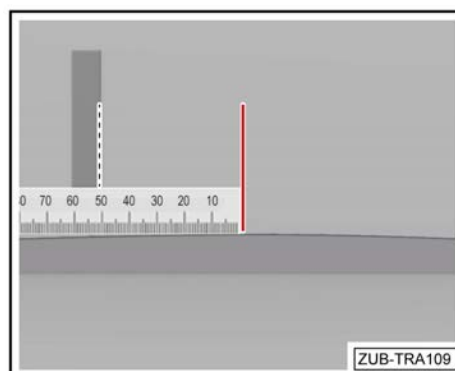
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

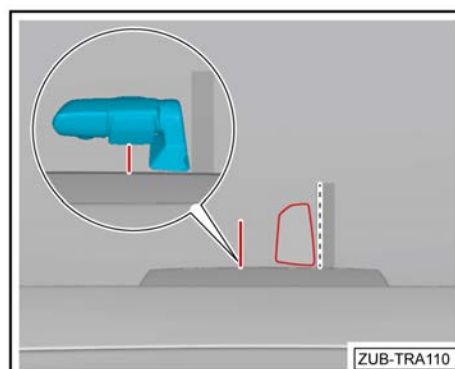
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A5 sedan (F2/FU) - AU401
Audi A5 Avant (F2/FU) - AU402

window edge

Check dimensional change!

Nominal size: 100mm

mid windscreen

UTR

Note:

When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

A6 Avant 2025 ►

A6 Sportback 2025 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

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Incorrect installation may damage the Audi Universal Traffic Recorder.

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TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

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Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

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- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

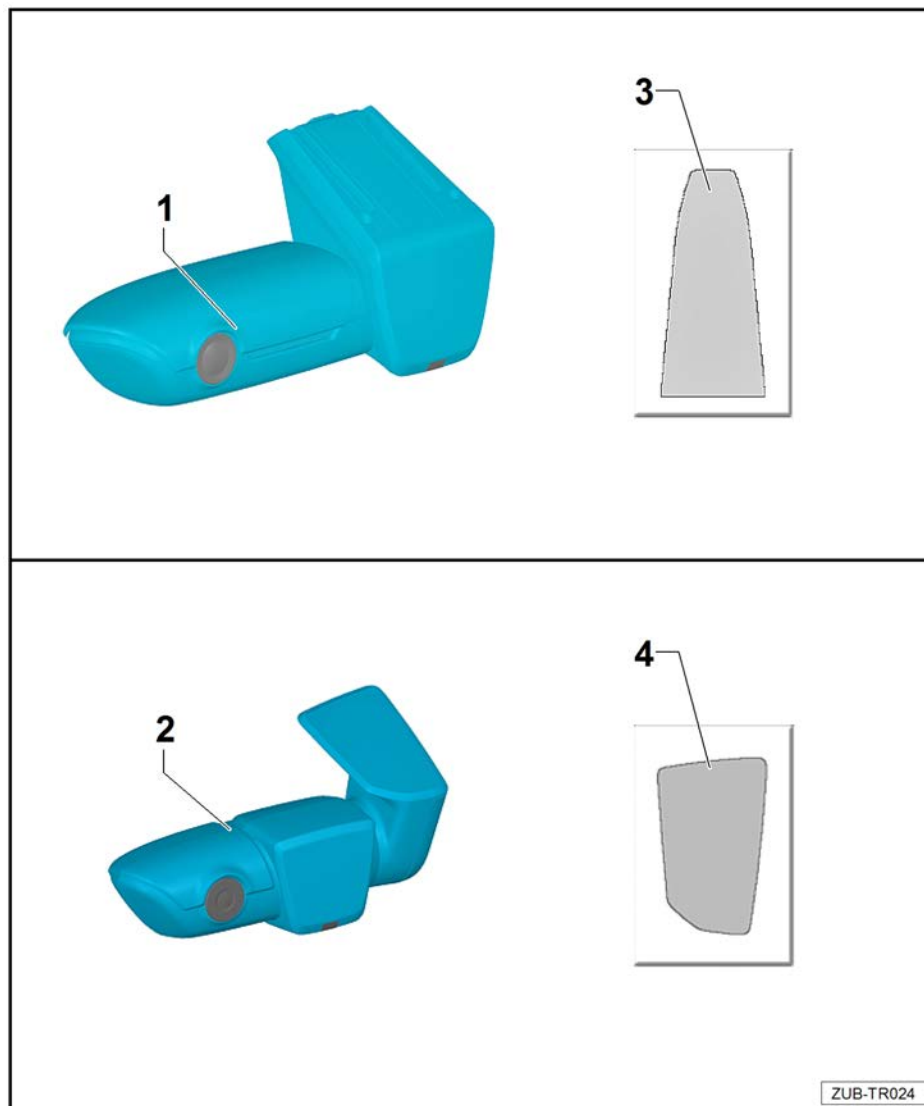
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

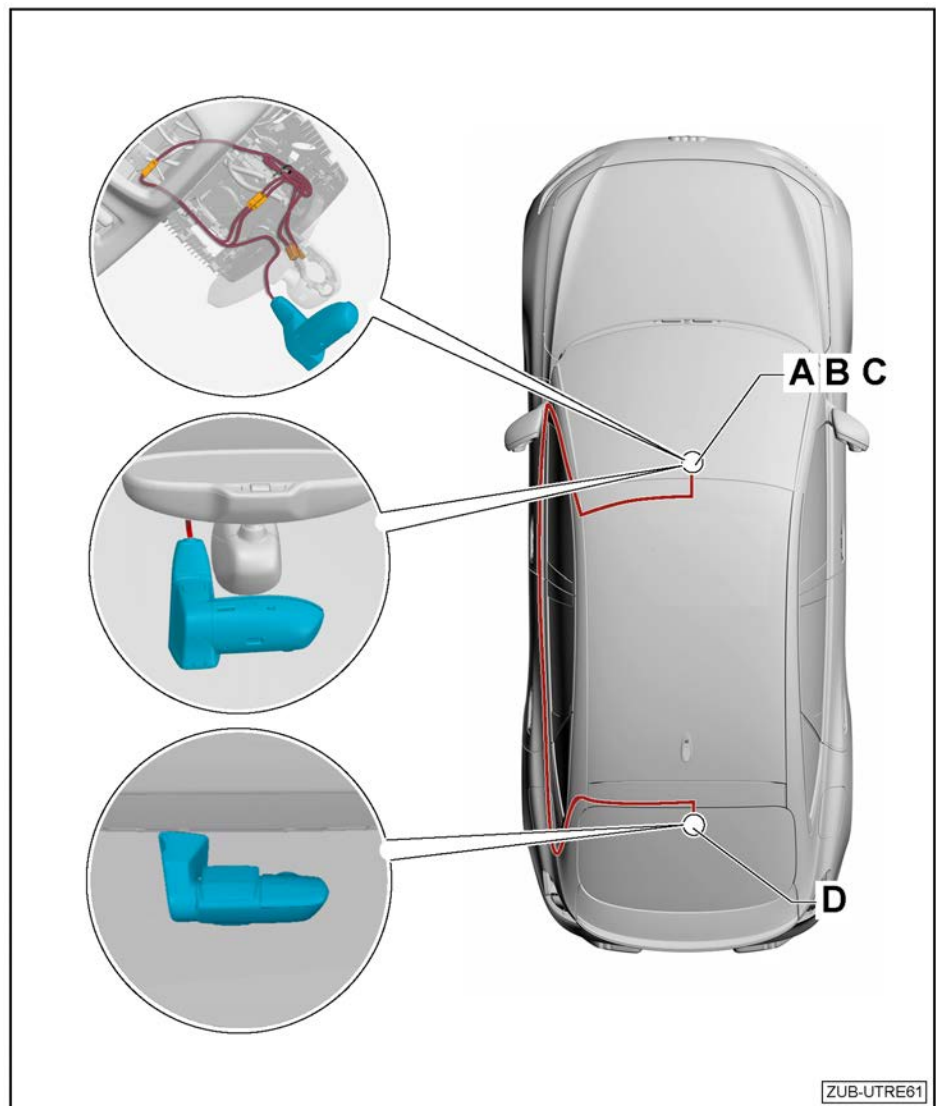
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

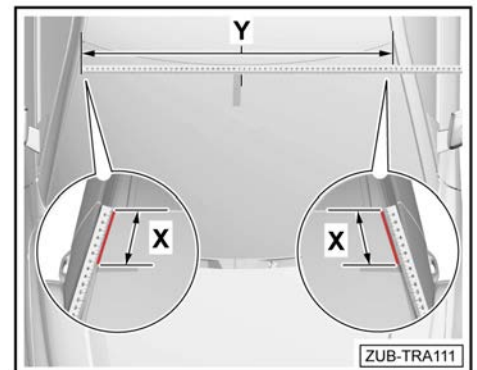
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

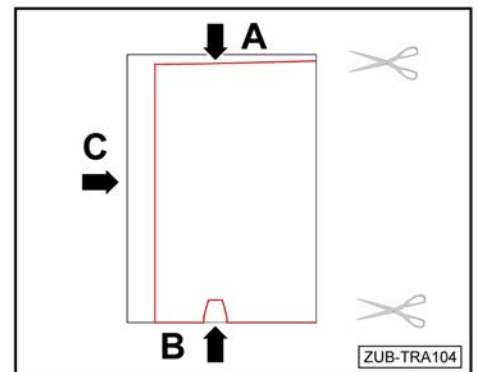
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

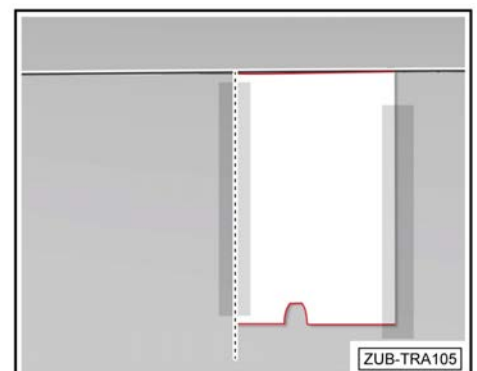


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



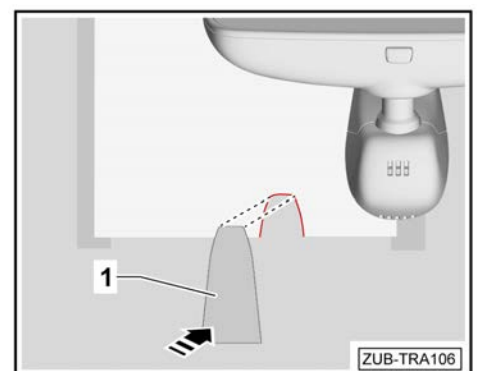
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



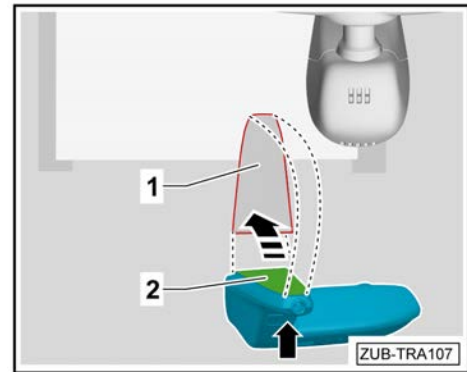


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



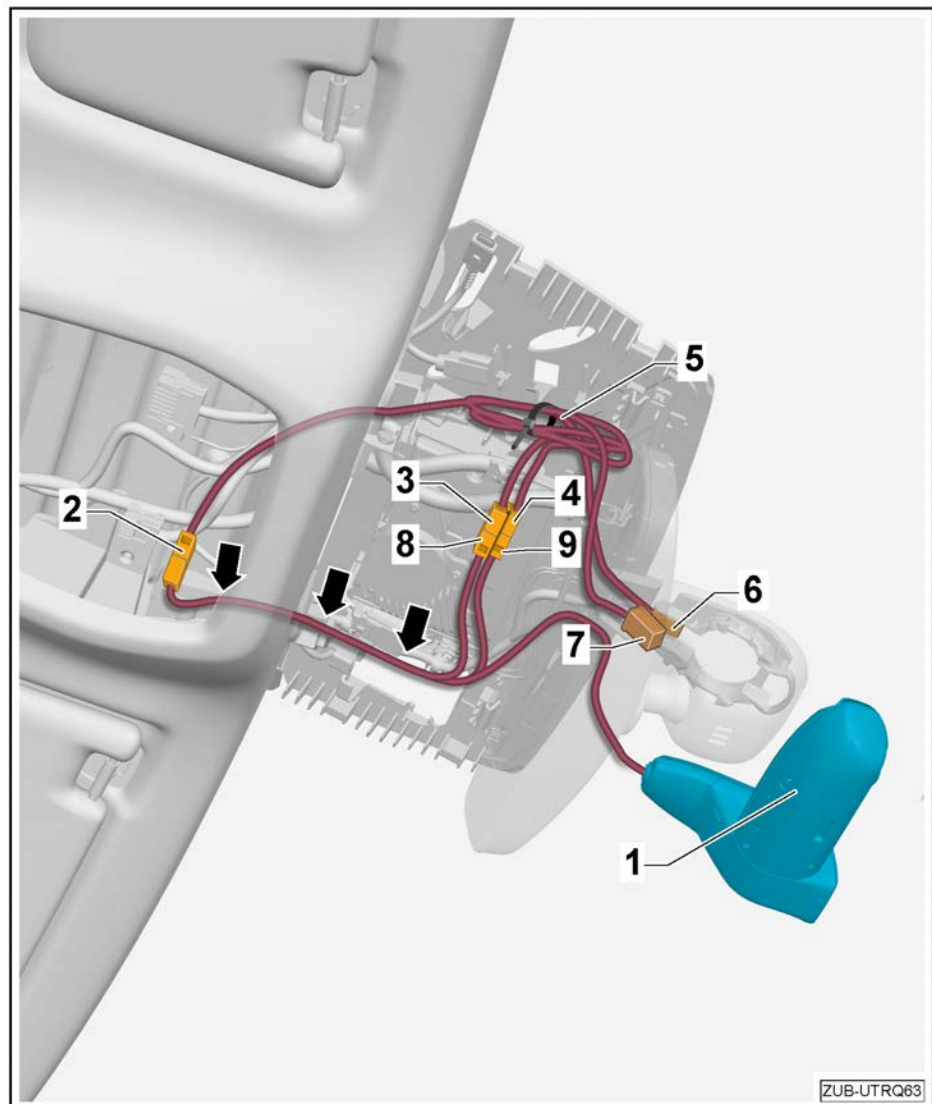
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

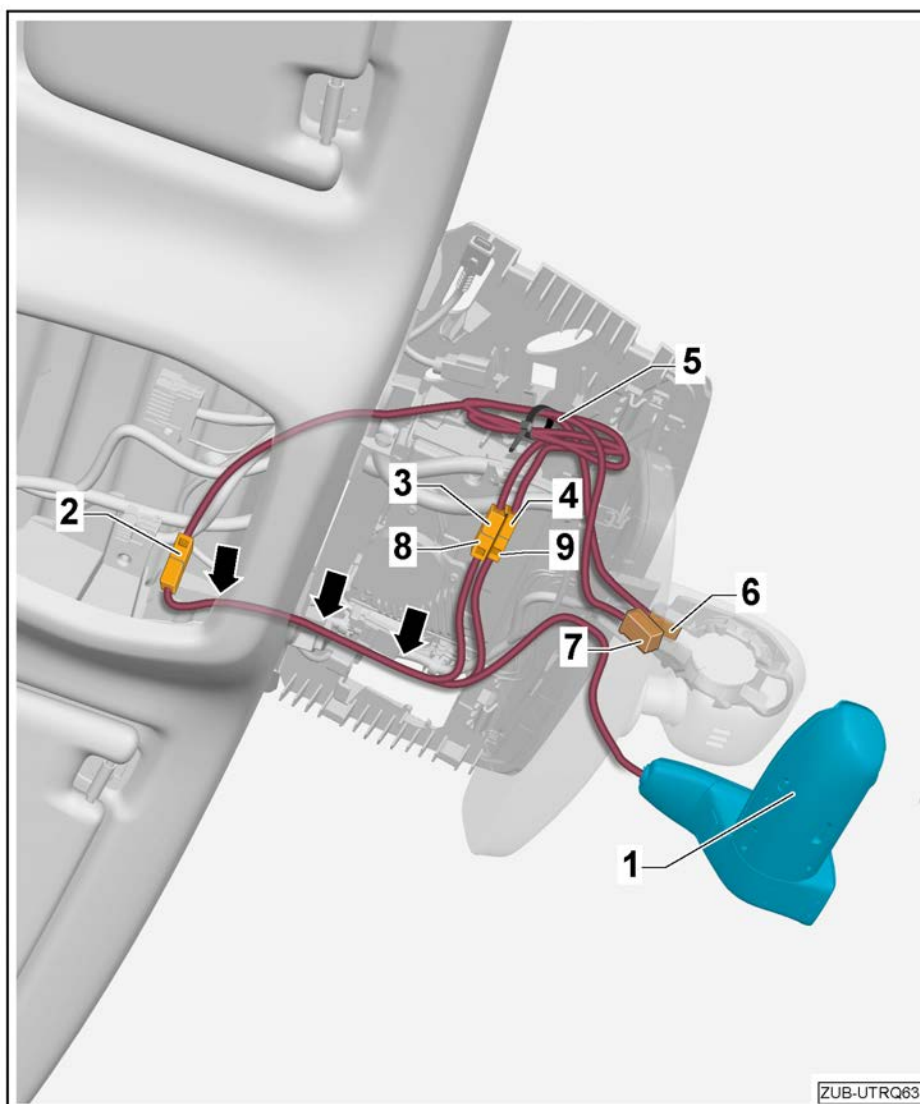
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.

5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

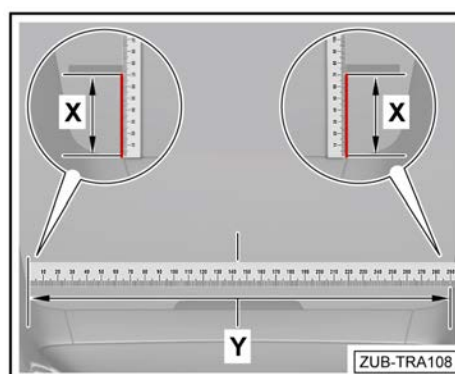
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

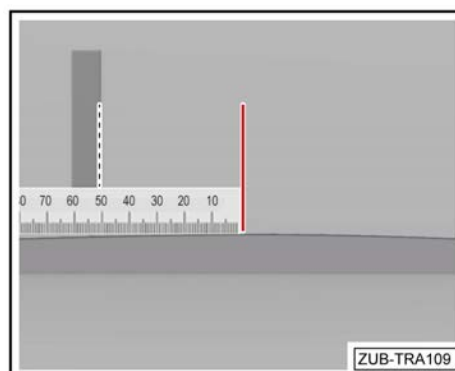
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

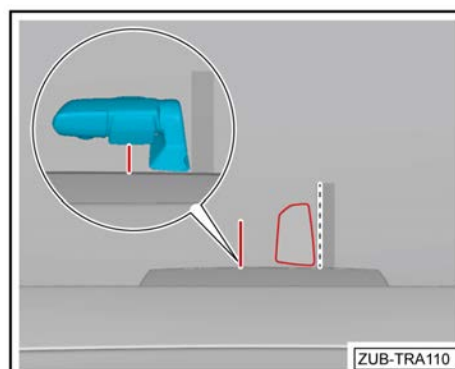
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi A6 e-tron Avant (GH) - AU512/4
Audi A6 e-tron Sportback (GH) - AU513/4

window edge

Check dimensional change!

Nominal size: 100mm

mid windscreen

UTR

Note:

When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi Q3 2025 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply will result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

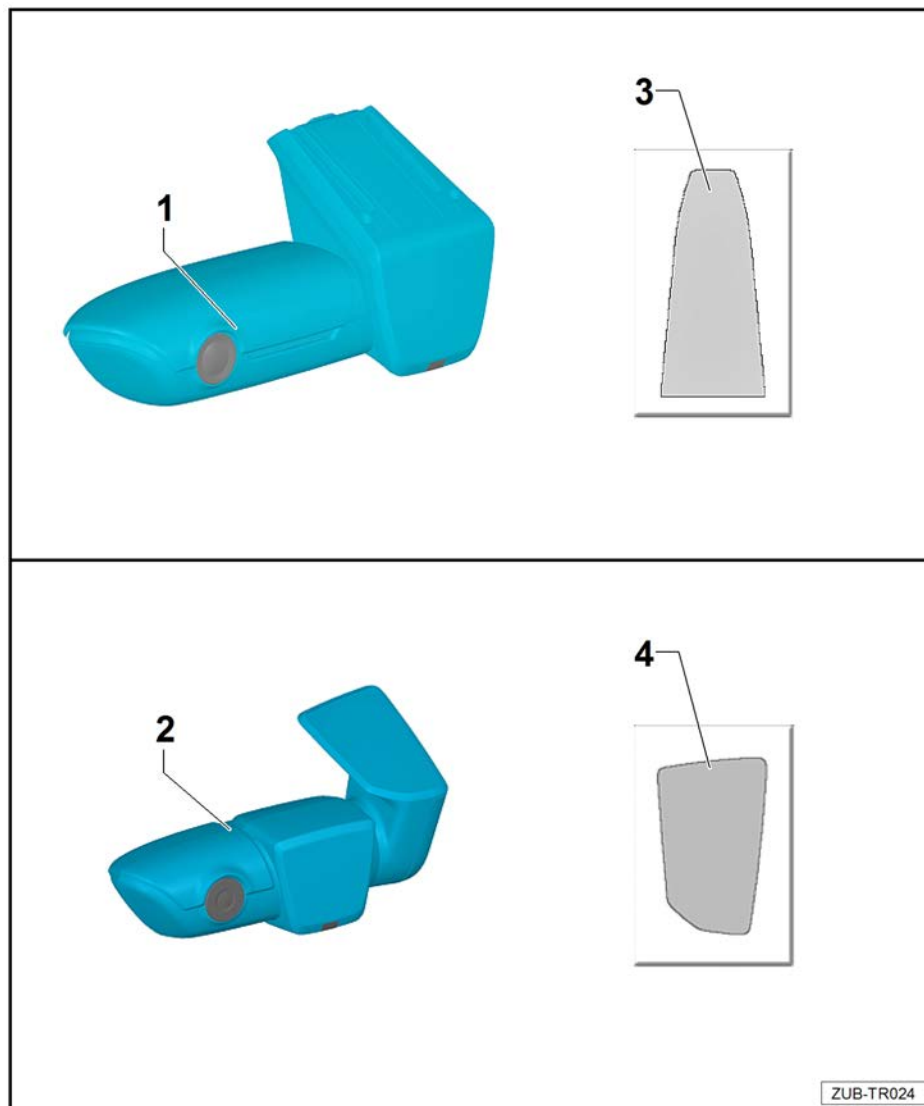
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

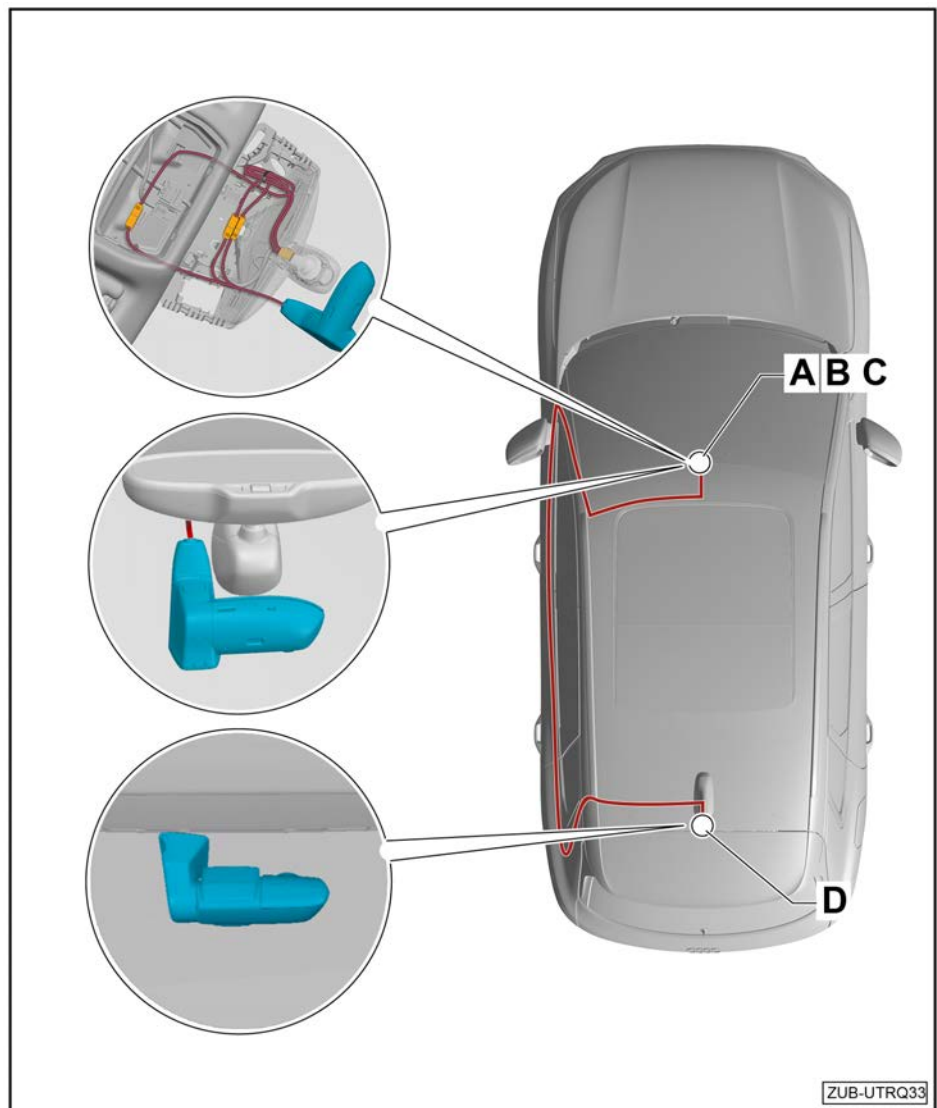
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

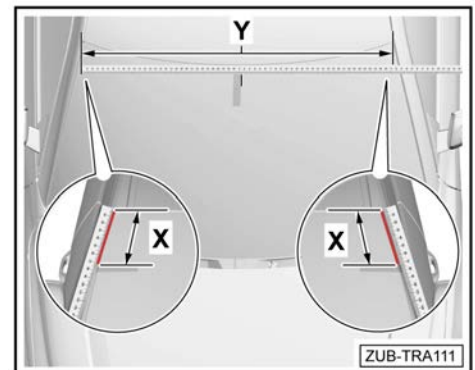
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

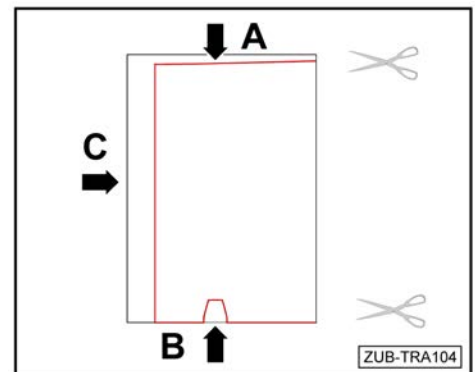
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

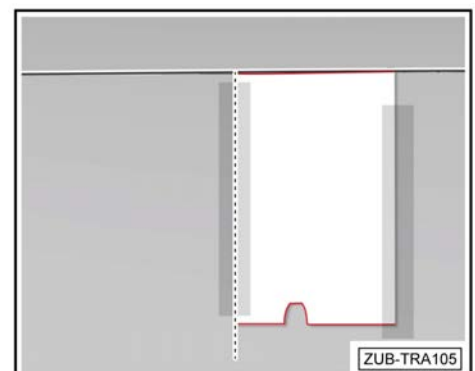


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



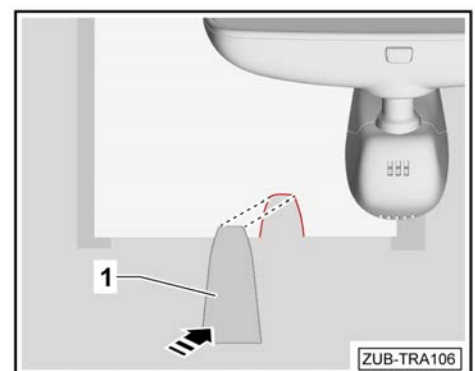
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



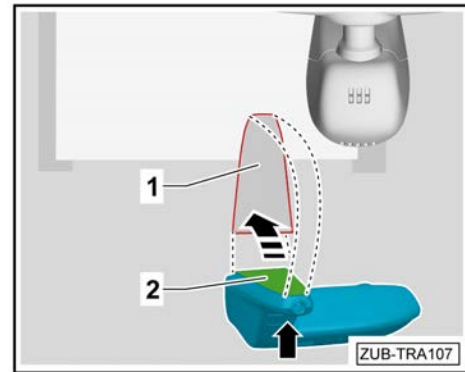


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



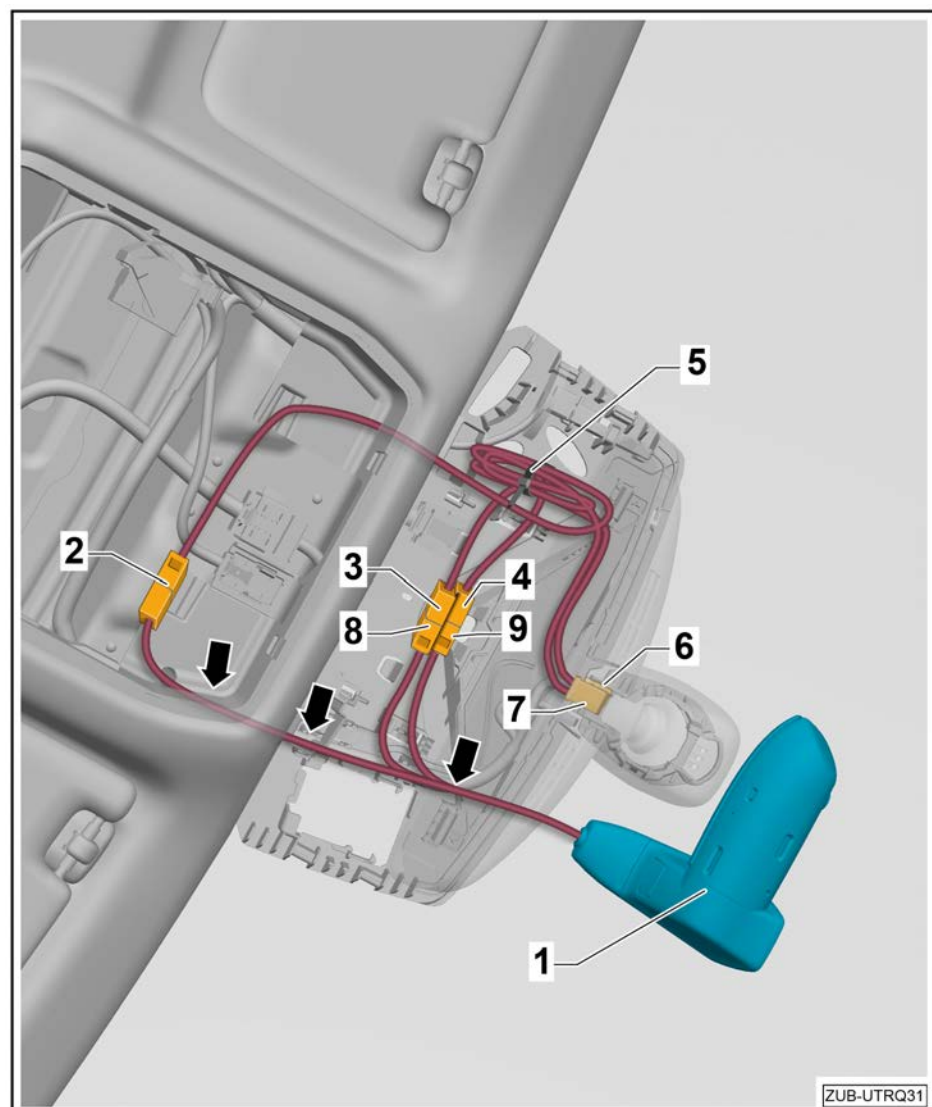
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

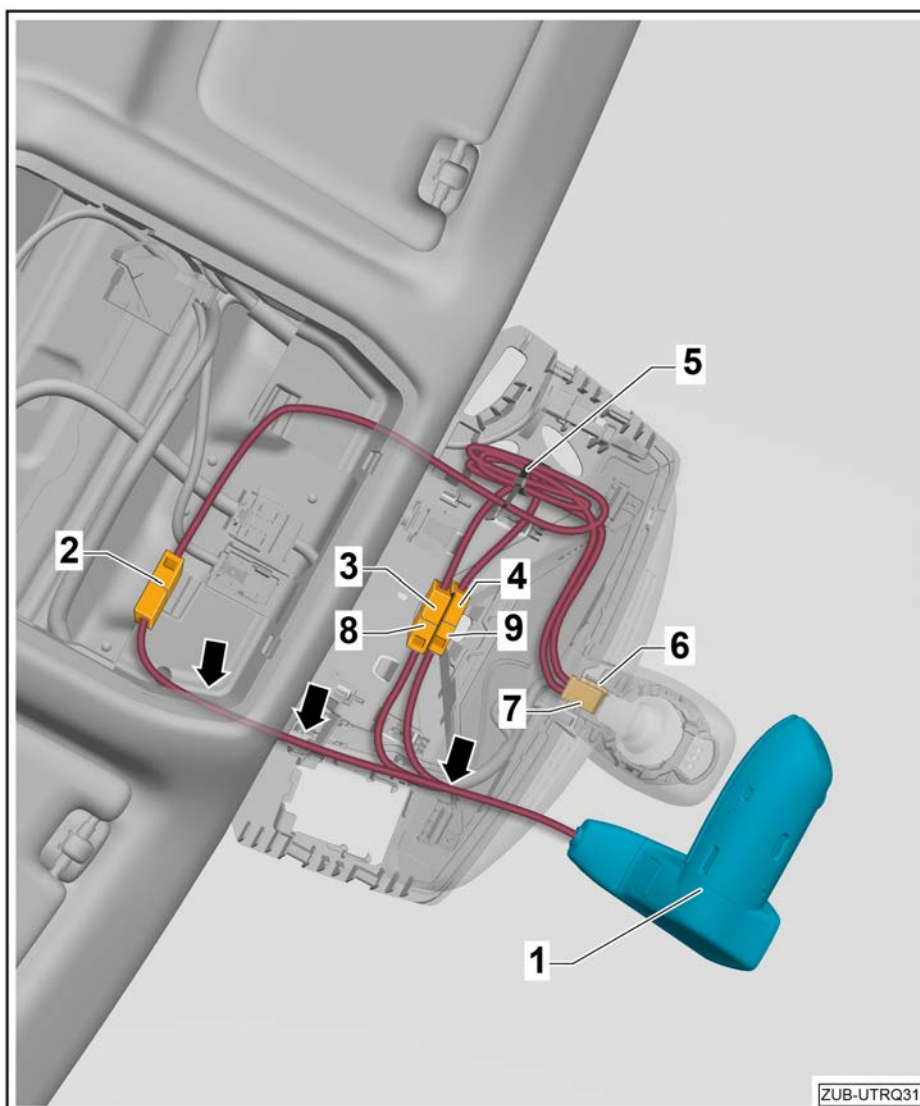
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

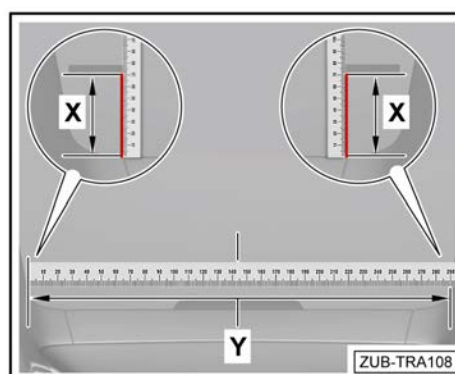
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

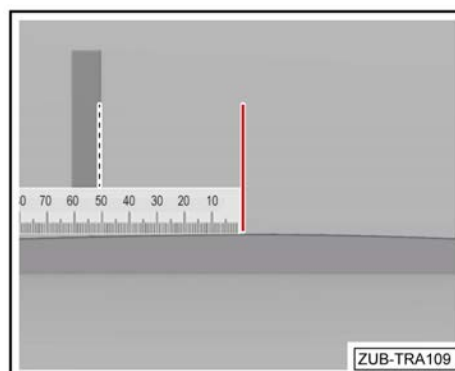
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

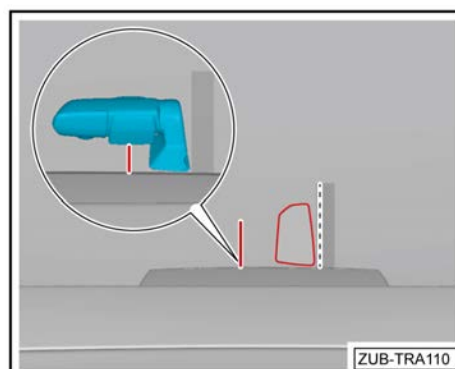
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q3 (FJ) - AU336

Audi Q3 Sportback (FJ) - AU336/1

window edge

Check dimensional change!

Nominal size: 100mm

mid windscreen

Stand: 05/24

UTR

Note:

When printing this template
don't make any format adaption!

Installation instructions

Audi Universal Traffic Recorder

Audi Q5 2025 ►

Wiring harness 4G0.063.511.AA

for scope of delivery

4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

Audi Genuine Accessories

Edition 01



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1 General notes

Please read these instructions carefully and note the Danger, Warning, Caution, Note and TIPP descriptions before the "Audi Universal Traffic Recorder" is assembled.



DANGER

Text with this symbol indicates dangerous situations where a failure to comply will result in death or serious injuries.



WARNING

Text with this symbol indicates dangerous situations where a failure to comply could result in death or serious injuries.



CAUTION

Text with this symbol indicates dangerous situations where a failure to comply could result in minor or moderate injuries.



NOTICE

Text with this symbol indicates situations where a failure to comply could result in damage to the vehicle.

TIP:

Text with this symbol contains important additional information.

Audi AG shall not accept responsibility in the event of failure to comply with these assembly instructions.



2 Safety instructions

2.1 Foreword

The Audi Universal Traffic Recorder must be installed by a qualified workshop. Special tools and supplementary vehicle-specific literature will be needed to perform the installation. Improper installation can cause damage to the vehicle or to the Audi Universal Traffic Recorder.

The work to be performed on the vehicle, as detailed in these fitting instructions, may change as a result of measures to upgrade models. Consequently, modifications to connectors, wire colours or even the fitting location, for instance, should not be ruled out. For this reason, make sure that you always refer to the most current wiring diagram and/or the current repair manuals for the vehicle.

We reserve the right to make technical changes.

2.2 General safety notes

NOTICE

Non-compliance with these installation instructions and safety notes will compromise your safety and that of third parties.

- **Please read these installation instructions carefully before starting installation.**

NOTICE

Incorrect installation may damage the Audi Universal Traffic Recorder.

- **The Audi Universal Traffic Recorder must be installed by a qualified workshop.**

TIP:

All mechanical and electrical connections must be checked to make sure that they are positioned and installed correctly.

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



3 Repair instructions

3.1 Contact corrosion

Contact corrosion can occur when unsuitable connecting elements (screws, nuts, washers) are used.

For this reason, only connecting elements with a special surface coating are fitted.

Additionally, rubber or plastic parts and adhesives are made of materials that are not electrically conductive.

If you are in any doubt about the suitability of parts, use new parts as a general rule ⇒ Electronic parts catalogue.

Please note:

- ◆ We recommend using only genuine spare parts; these parts have been tested and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

3.2 Routing and securing lines



CAUTION

Risk of injury due to airbag malfunction.

- Observe the safety instructions for pyrotechnic components (see repair group 69).
- Route the retrofit wiring harness behind the airbag and secure accordingly.
- During installation, ensure that the airbag does not become trapped.

TIP:

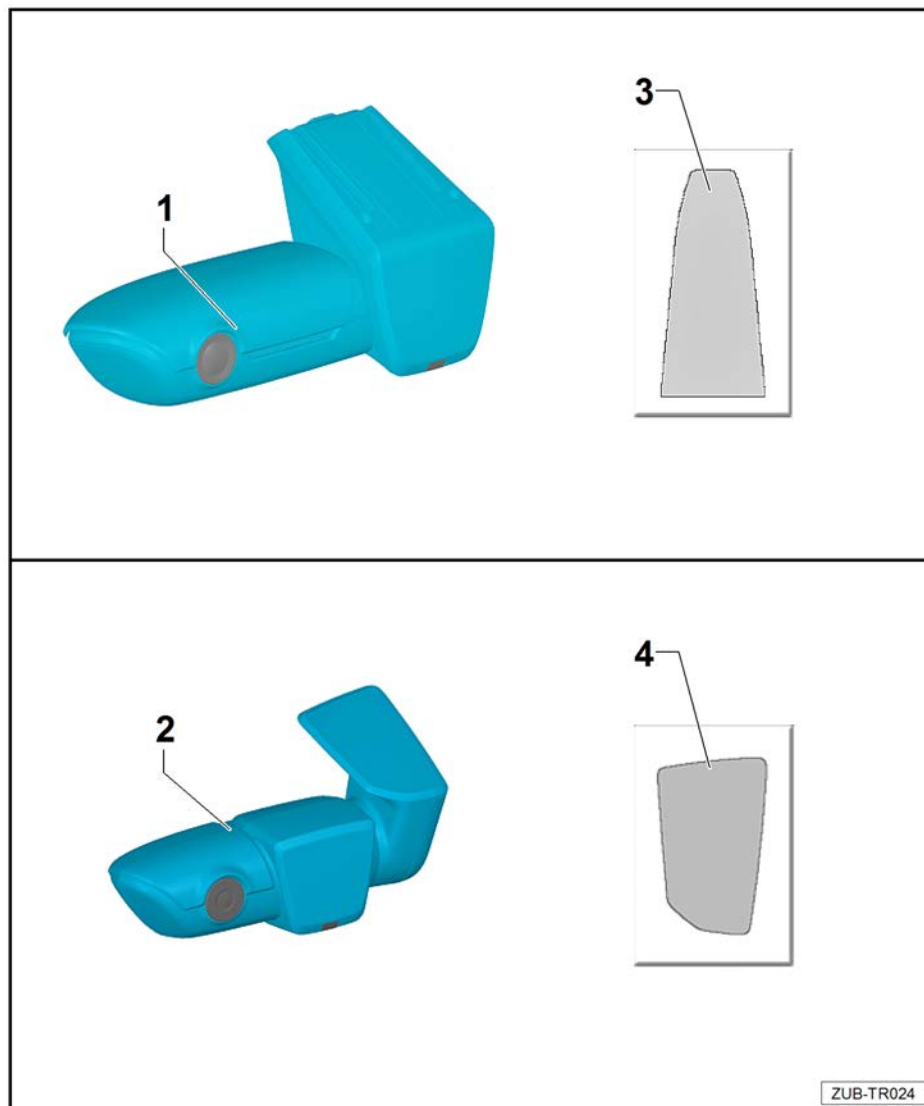
To avoid damage to wires in the interior due to the limited space available, make sure that there is adequate clearance in relation to all moving components.



4 Overview of components, scope of delivery and overview of fitting location

4.1 Overview of components

- 1 - Front camera
- 2 - Rear camera
- 3 - Anti-glare film for front camera
- 4 - Anti-glare film for rear camera



4.2 Scope of delivery 4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A

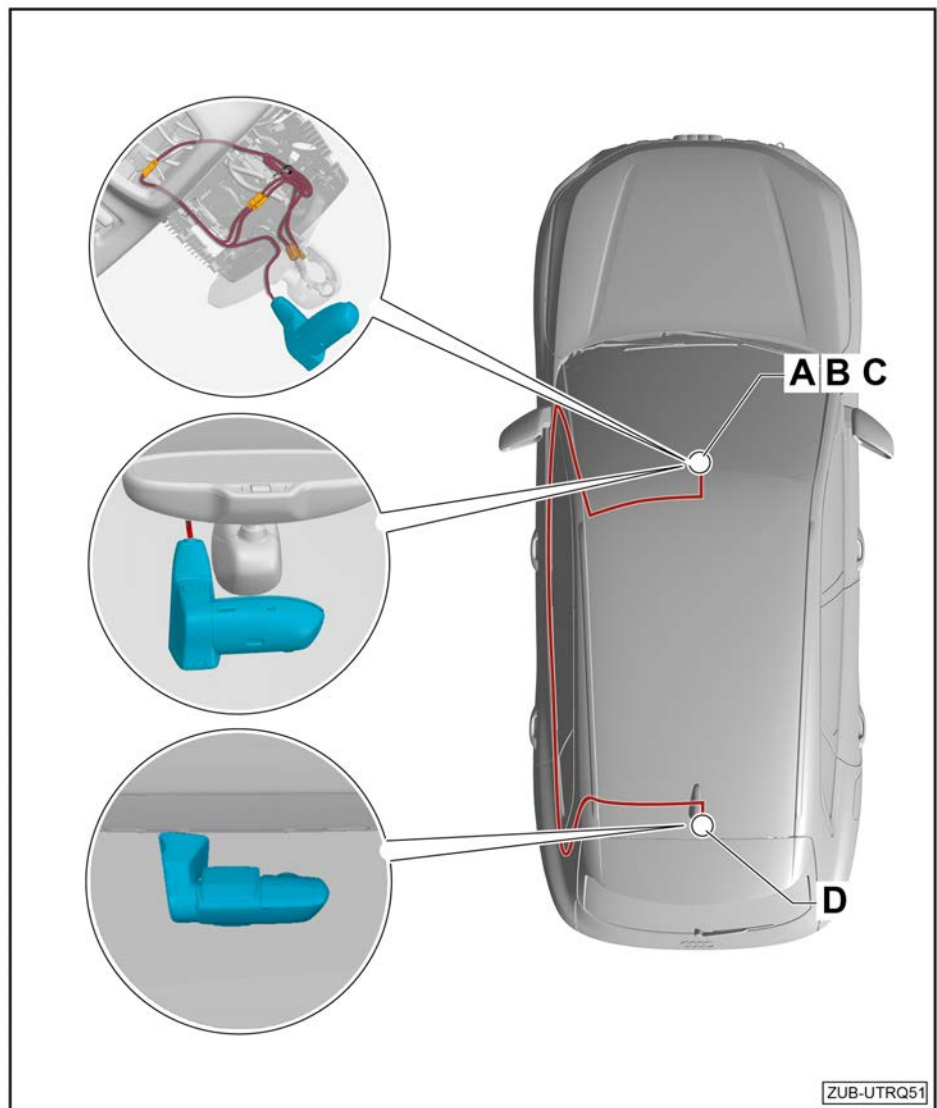
Quantity	Component
1	Front camera
1	Rear camera
1	Camera wiring harness with coupling point
10	Cable tie N.020.904.5
3	Foam grommet 811.971.790
1	Anti-glare film for front camera
1	Anti-glare film for rear camera
1	Operating instructions

Not included in the scope of delivery, must be ordered separately: UTR wiring harness
4G0.063.511.AA

Quantity	Component
1	UTR wiring harness for the on-board supply

4.3 Overview of fitting location

- A - Connection to on-board supply
- B - Connection to earth
- C - Position of front camera
- D - Position of rear camera





5 Sequence of operations

5.1 Preparations

ELSA (Electronic Service Information System) reference

- Disconnecting the battery⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery
- Removing the interior mirror trim⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the interior mirror trim
- Removing the roof module lighting unit⇒ Interior equipment; Rep. gr. 68; Storage compartments, covers; Removing and installing the roof module lighting unit
- Remove the driver side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the passenger side sun visor⇒ Interior equipment; Rep. gr. 68; Equipment; Removing and installing the sun visor
- Remove the A-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the A-pillar trim
- Remove the footwell trim on the passenger side⇒ General body repairs, interior; Rep. gr. 68; Interior trims; Removing and installing the footwell trim
- Remove the sill panel trim on the front passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the B-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the B-pillar trim
- Remove the sill panel trim on the rear passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim
- Remove the D-pillar trim on the passenger side⇒ General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the D-pillar
- Remove the left-hand luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim
- Remove the rear lid trim⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid trim

5.2 Installing the front camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

TIP:

The appendix to the installation instructions contains a template for positioning the anti-glare film supplied on which the coupling point of the front camera is attached.

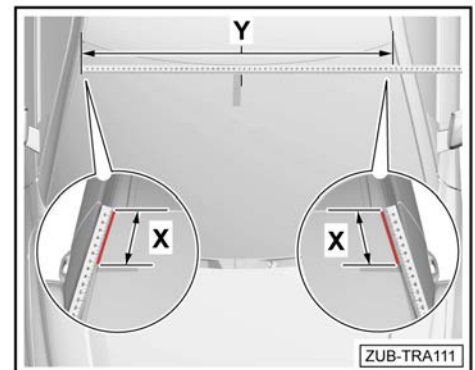
Print out the template.

The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 100 mm.

If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".

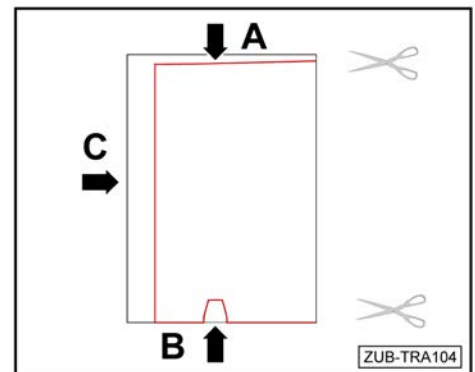
-1- Starting from the right-hand and left-hand edges of the roof, measure -dimension X- downwards along the water deflector strip and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the water deflector strip and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the windscreen and mark the centre point with adhesive tape.

X = 70 mm

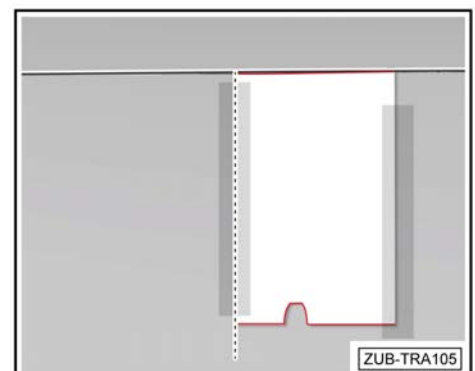


-2- Cut out the template along the dotted lines in the direction of -arrow A-, -arrow B- and -arrow C-.

It is important to make sure that the entire section is cut away.



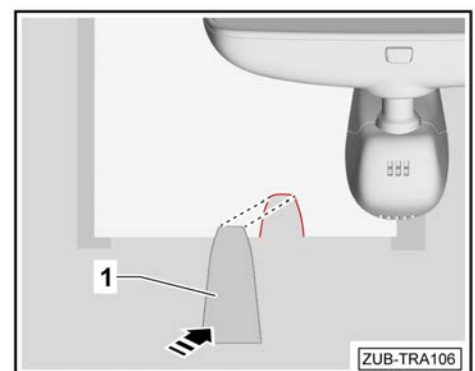
-3- Working from the outer edge, position the template in the centre and on the upper edge of the windscreen and fix the template in position using adhesive tape. The writing on the template must be the right way up facing outwards.



-4- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film -1- on the inside of the windscreen using the template and carefully press it on.

TIP:

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.



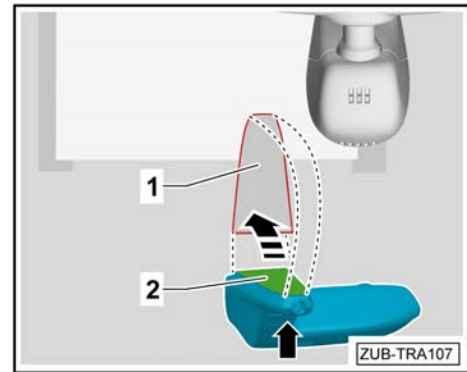


-5- Clip the front camera -2- into the loose mounting base. Position the front camera -2- on the inside of the wind-screen on the anti-glare film -1- and carefully press it on.

TIP:

Assistance from a second technician is required to position the camera with precision.

The front camera -2- must be placed in the centre of the protective film and must be positioned straight.



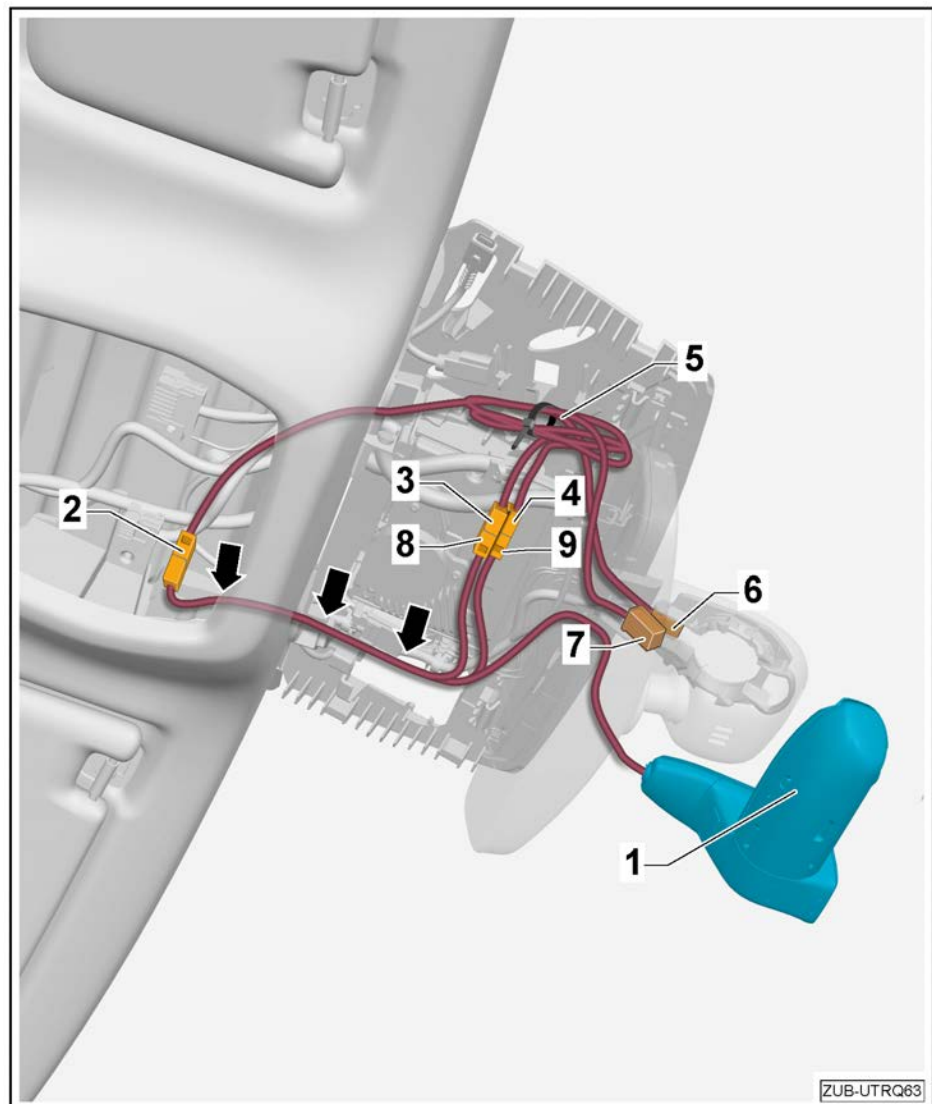
TIP:

For instructions on handling the Audi Universal Traffic Recorder, refer to the operating instructions provided in the camera package!

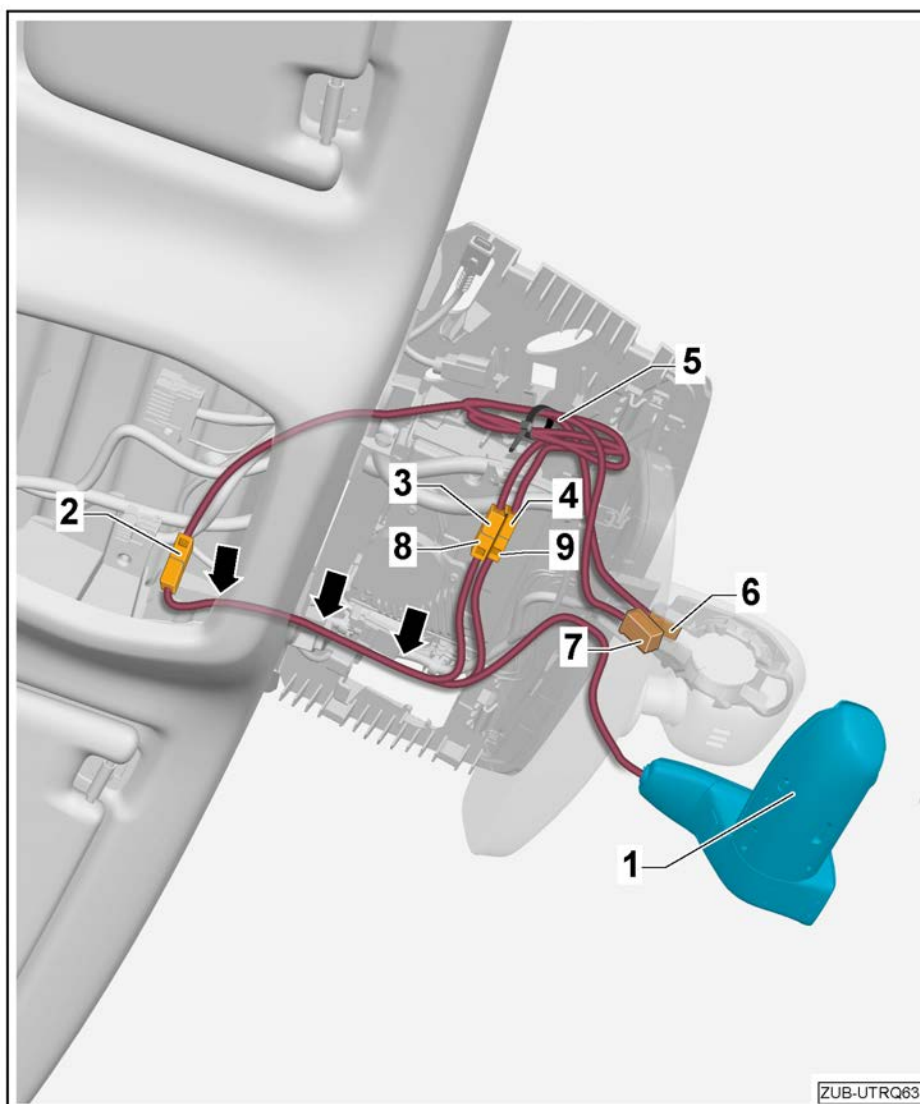
5.3 Connecting the UTR wiring harness

Connecting the UTR wiring harness to the onboard supply in the roof module

- Disconnect the connectors -6 and 7- for the interior mirror and rain sensor.
- Loosen the headliner slightly across the entire area of the wind-screen so that the wiring harnesses can be fed through more easily.
- Place the foam grommet over the end of the camera wire -1-.
- Route the camera wire -1- along the mirror base and under the roof module -arrows-.
- At the interior mirror trim, route the camera wire -1- between the windscreen/roof module and connect the camera wire to the camera wiring harness -2-, making sure that the connectors properly engage.
- Secure the connector -2- using a foam sleeve to prevent noise.



- Gather together any excess camera wire -1-, secure it using cable ties and store it in the roof module.
- The camera wiring harness -5- divides into two short wires -8 and 9-.
- Connect the connectors of the wires -8- to the onboard supply connection for the interior mirror -3- and the interior mirror -7-, making sure that the connectors properly engage.
- Connect the connectors of the wires -9- to the onboard supply connection for the rain sensor -4- and the rain sensor -6-, making sure that the connectors properly engage.
- Gather together the excess wires -5, 8, 9-, secure them using cable ties and store them in the roof module/under the interior mirror trim.



- Route the rear camera wire from the connector -2- under the roof lining and down towards the A-pillar on the driver side.
- Using a pull wire, route the rear camera wire from the dash panel to the lower left of the footwell and secure the rear camera wire to the standard wiring harness using cable ties.
- Continue routing the rear camera wire along the standard wiring harness on the side member and into the luggage compartment, and from there over the C-pillar/D-pillar towards the rear camera.

NOTICE

Depending on wire length, it is possible to use and connect the wire adapter from the scope of delivery (4G0.063.511.G, 4G0.063.511.H and 4K0.063.511.A).

Use wiring pencil wire to feed the connector for the rear camera through the grommet between the body and the rear lid.

5.4 Assembling the vehicle

- Reassemble the vehicle by following these steps in reverse order.



5.5 Installing the rear camera

Conditions

The room temperature must be 20°C +/- 4 C.

If the humidity level is high (>70%), the UTR may be installed only once the vehicle has adjusted to the workshop temperature.

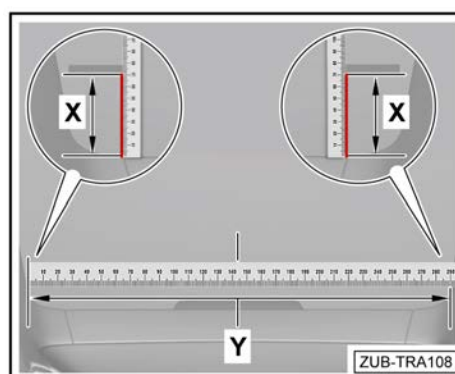
Use isopropanol to thoroughly clean the outside and the inside of the window to remove any dust and grease.

The tailgate is open and the service technician is standing behind the vehicle.

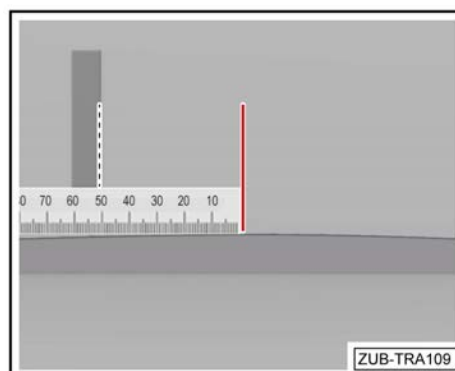
Install the rear camera only in the specified area of the rear window.

-1- Starting from the right-hand and left-hand corners of the central inner rear lid trim, measure -dimension X- vertically upwards on the rear window and mark the relevant points using adhesive tape. Place a measuring tape along the left-hand side of the rear lid trim and along the edge of the adhesive tape on the right- and left-hand sides. Measure the centre of -dimension Y- on the rear window and mark the centre point with adhesive tape.

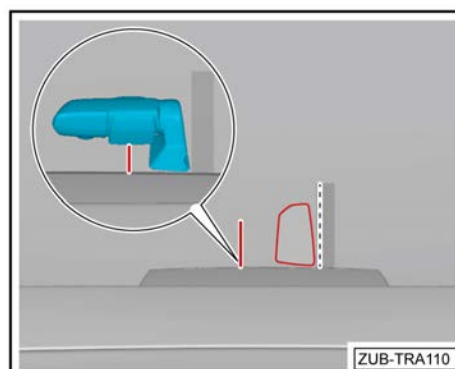
X = 70 mm



-2- From the centre, measure 50 mm to the right and mark this point using adhesive tape.



-3- Remove the protective paper from the anti-glare film -1-. Position the anti-glare film on the inside of the rear window with the left-hand and top edges on the adhesive tape and aligned with the rear lid trim on the rear window. Carefully press on the anti-glare film. Centre the rear camera -2- on the anti-glare film and stick it into place -magnifying glass-. Connect the supply wire for the rear camera, route the cable so that it is out of view and secure it using cable ties to prevent noises from developing.



TIP:

Note the installation position of the anti-glare film.

Starting in the middle, carefully press trapped air outwards using a squeegee or a cloth.

Have a second technician outside the vehicle help determine the exact position of the camera.



Route any excess wire back into the trim.

5.6 Concluding operations

- Connect the battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

If the battery is being reconnected, the following steps must be taken:

- ◆ Delete the fault memory.
- ◆ Activate the one-touch opening and closing of the electric windows ⇒ operating instructions.
- ◆ Synchronise secondary and additional keys to ensure the remote control functions correctly. To do this, insert the key into the ignition lock, switch the ignition on and off again and then remove the key.
- ◆ After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.
- Perform a function test for the camera ⇒ UTR operating instructions

Audi Q5 (FY/GU) - AU436

window edge

Note:

*When printing this template
don't make any format adaption!*

UTR

Check dimensional change!

Nominal size: 100mm

mid windscreen

Stand: 05/24

