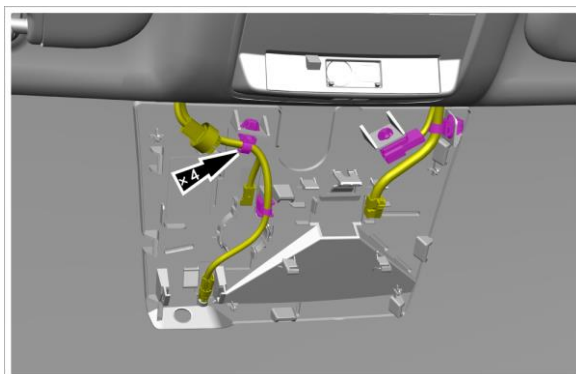


# Removal and installation of front windshield assembly

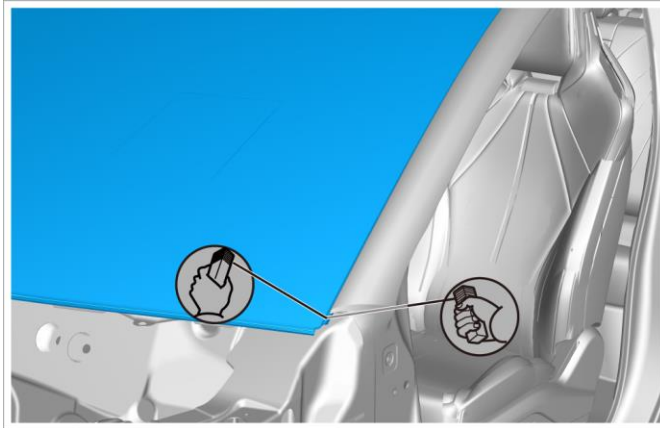
## Removal

### Caution

- Be sure to use the sealant recommended by the manufacturer. Misuse of sealant will affect its original adhesive performance.
  - Before using the sealant, carefully read the instructions and grades provided by the sealant manufacturer, and adopt this procedure and observe each precaution during the whole working period.
  - If the coating surface is scratched and damaged, repair or replace it; otherwise, the damaged part will gradually expand.
  - Cover the body part around the glass and instrument panel with adhesive tape to prevent damage to the vehicle body, instrument panel and shields.
1. Remove the left A-pillar upper shield assembly. Refer to [Removal and installation of left A-pillar upper shield assembly](#)
  2. Remove the right A-pillar upper shield assembly. Refer to [Removal and installation of right A-pillar upper shield assembly](#)
  3. Remove the interior rearview mirror assembly. Refer to [Removal and installation of interior rearview mirror assembly](#)
  4. Remove the multi-purpose camera. Refer to [Removal and installation of multi-purpose camera assembly](#)
  5. Remove the EDR camera. Refer to [Removal and installation of EDR image module](#)
  6. Remove the four-in-one sensor. Refer to [Removal and installation of four-in-one sensor](#)
  7. Remove the vent cover assembly. Refer to [Removal and installation of ventilation cover assembly](#)
  8. Detach 4 clips from the roof wiring harness.



9. Make a hole at the glass corner inside the vehicle and penetrate the glass sealant with an awl, pass the steel wire through it, and wind both ends of the steel wire on wooden blocks.



10. Carefully cut the sealant and sealing strip of the entire glass in the indicated direction.

#### Caution

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If it is necessary to reinstall the glass, make positioning marks between the glass and the vehicle body with a marker.

○

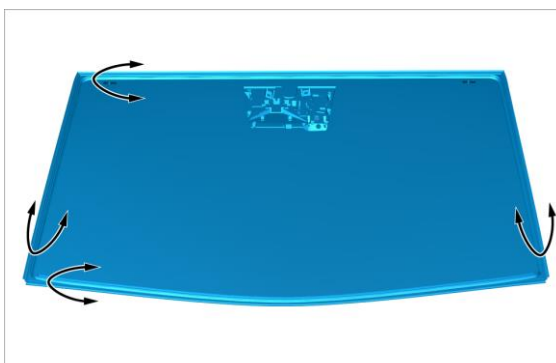
Cover the body part around the glass and instrument panel with adhesive tape to prevent damage to the vehicle body, instrument panel and shields.

○

Remove it with the assistance of another maintenance technician.

○

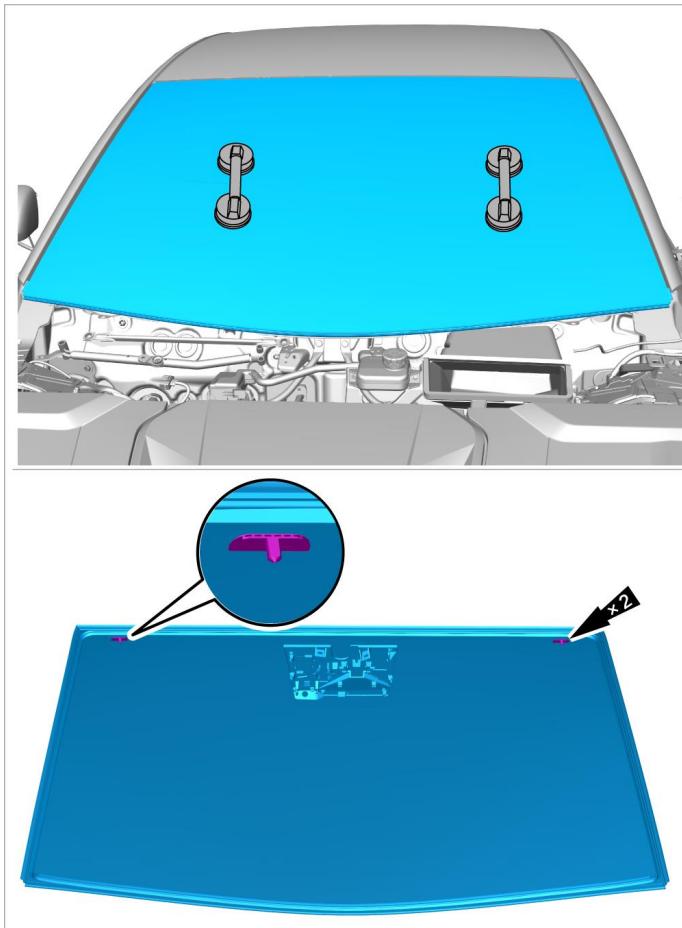
When pulling the steel wire using a sawing motion, keep it as close to the glass as possible to avoid scratching the vehicle body and instrument panel.



11. Take out the front windshield assembly.

### Caution

Take it out carefully with the assistance of another maintenance technician.



## Installation

1. Use a tool knife to scrape off the sealing strip of the bonding part on the body so that it is about 2 mm thick all over.

### Caution

Do not scratch the paint surface of the vehicle body, because damage to the paint surface will affect the bonding effect.

2. Clean the bonding surface on the body with sponge soaked in alcohol. Do not make it contact with oil, grease or water after cleaning.

3. If it is necessary to reinstall the glass, apply sufficient primer around the surface of the glass to be bonded with the body with a new brush, with a width of about 15 mm.
4. Clean the front windshield and apply primer. Apply sealant with a sealant gun after the primer is dry.
5. Hold the rubber suction cup gripper, align the clips on the inner surface of the glass with the holes on the body, press the glass into the body, slightly adjust the left and right positions of the glass to make it as symmetrical as possible. Gently pat the glass surface and the periphery of the rubber strip at the same time so that the glass is completely attached to the body.

#### Caution

○

Perform press-fitting from the bottom edge of the glass.

○

After applying sealant, press the glass on the vehicle body as soon as possible to avoid affecting the adhesive strength of sealant.

#### Caution

○

After installation, ensure that the glass is completely against the vehicle body.

○

Before the part to which sealant is applied becomes completely secured, abrupt door closing may cause the glass to become loose or fall off.

○

Do not drive the vehicle before the part to which sealant is applied becomes completely secured to make sure that the sealant is cured thoroughly and sufficiently.

○

Each glass sealant has its own curing time. Refer to the manufacturer's instructions, check the curing time of the glass sealant used, and observe the necessary measures before the part to which sealant is applied becomes completely secured.

○

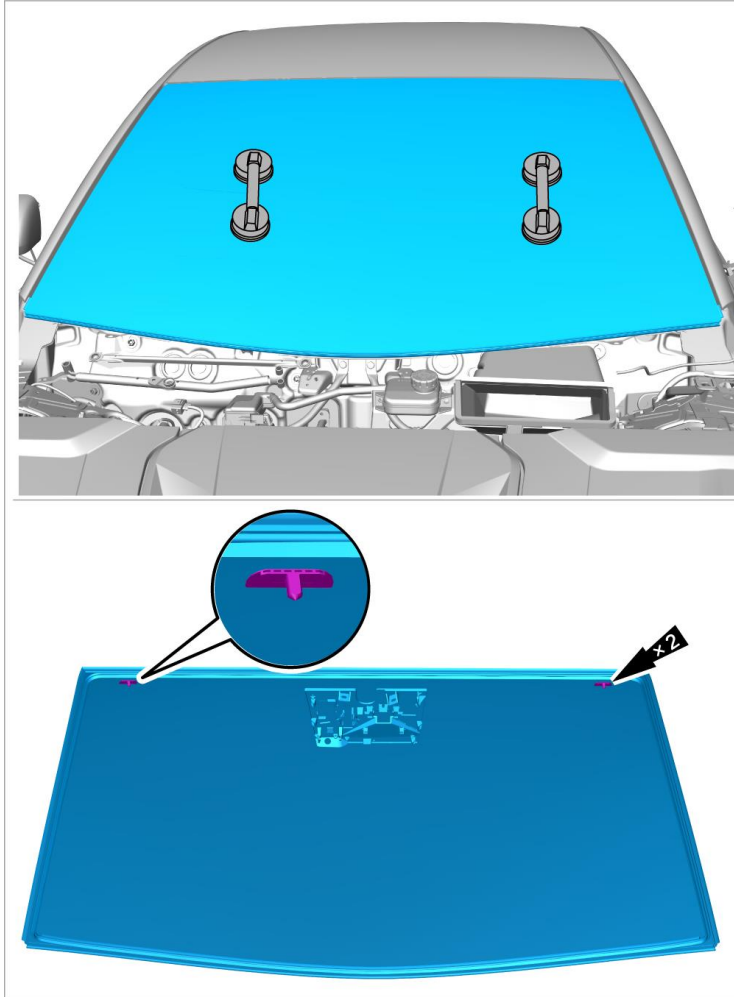
Do not use a high-pressure water jet for waterproofing test.

○

When drying, do not use compressed air directly against the sealant area, and do not use infrared light bulbs or such things.

○

Carry out waterproofing test after the glass sealant is cured. In case of water seepage, fill the leaks with glass sealant. After filling, if leakage still exists, remove the glass and reinstall it according to the above steps.



6. Install it in the reverse order of removal.