

2021 WRANGLER
HALF-DOOR FEATURES CARD

HALF-DOOR INSTALLATION

CAUTION!

- **Do not run half-doors through an automatic car wash. This may result in scratches and wax buildup on the windows.**
- **Careless handling and storage of the half-doors may damage the seals resulting in water leaks into the interior of the vehicle.**
- **The upper half-doors must be positioned properly to ensure sealing. Improper installation can cause water leaks into the interior of the vehicle.**
- **Store the zipper pulls of the upper half-door windows at the upper B-pillar area for both front and rear doors to avoid damage to the windows when not in use.**
- **Do not attempt to operate the half-door zipper in temperatures of 41°F (5°C) or below. Damage to the window may occur.**



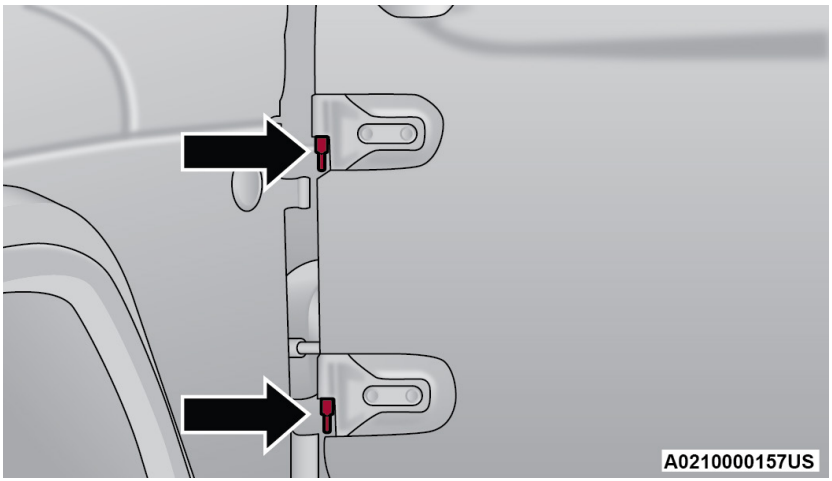
This vehicle may be equipped with half-doors. To install the half-doors in the vehicle, follow the instruction sheet packaged in the box the doors were received in. Replacement parts may be purchased through Mopar® Service.

To install the front or rear half-doors, proceed as follows:

1. Remove the full doors from the vehicle. For more information on door removal, refer to “Front Door Removal” or “Rear Door Removal” in “Getting To Know Your Vehicle” in the Owner’s Manual.

2. Locate the upper and lower hinge pins on the lower half-door, and lower them into the body hinges on the vehicle.

NOTE:
The upper hinge pin is longer, which can be used to assist in guiding the door into place during installation.



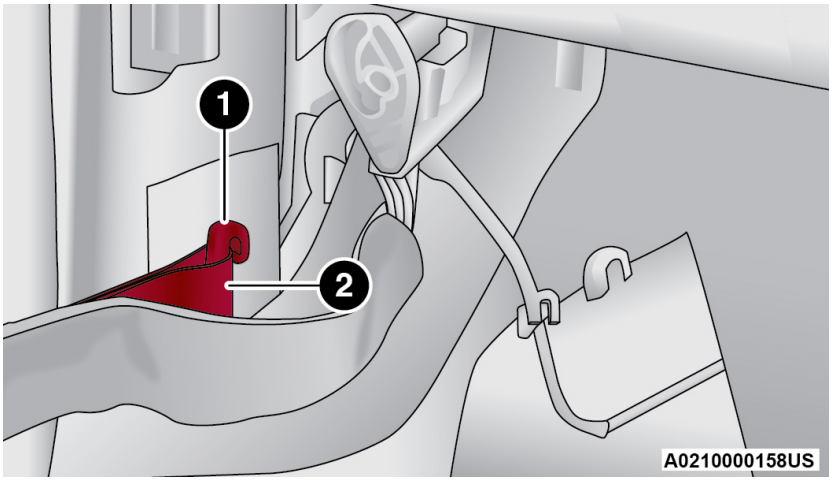
Lower Half-Door Hinge Pins

3. Insert the upper and lower hinge pin screws into the body hinges. Tighten the screws using a #T50 Torx head driver to 3.8 ft· lb / 5.2 N·m.

CAUTION!

- **Do not close the door before reattaching the door check to the body. Damage may occur to the door check.**
- **Do not over tighten Torx fasteners, damage to the vehicle’s parts will occur.**
- **Hinge pins can break if overtightened during door install (Max Torque: 6.0 ft· lb/8.1 N·m).**

4. Attach the cloth strap of the lower half-door to the metal hook just inside the vehicle.

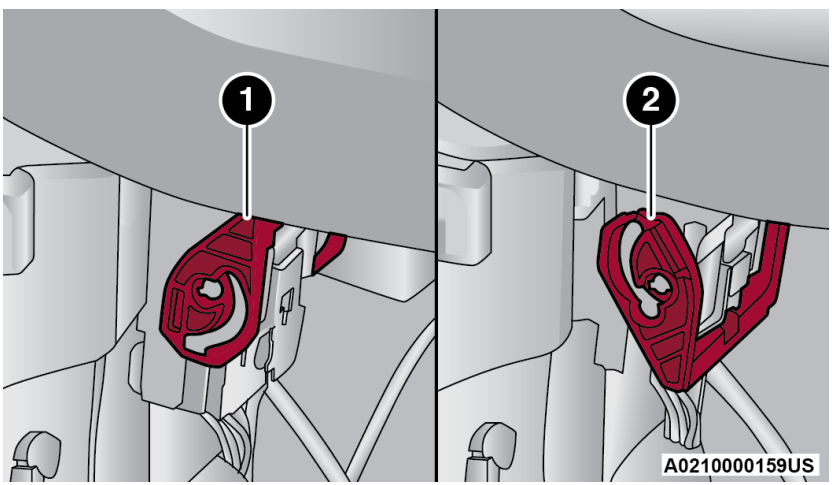


Cloth Strap Attachment

1 — Metal Hook 2 — Cloth Strap

5. Connect the wiring harness on the lower half-door to the connection just inside the vehicle.

NOTE:
For front doors, make sure the wiring harness is closed completely.



Cloth Strap Attachment

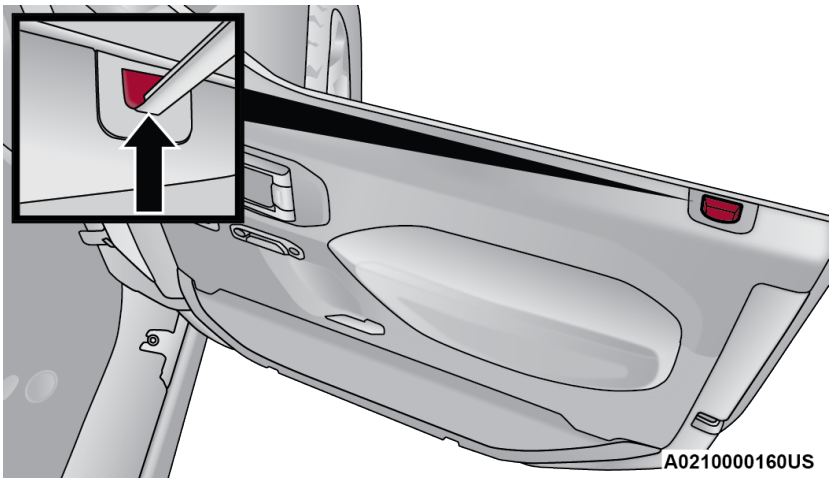
1 — Open Wiring Harness 2 — Closed Wiring Harness

6. Replace wiring access doors.

7. When the half-doors are shipped with the vehicle, the lower half-doors will have plugs in the post holes that must be removed prior to upper half-door installation. To remove these plugs, proceed as follows:

    a) Locate the service hole in the center of each plug of the lower half-door (two on each front and rear door).

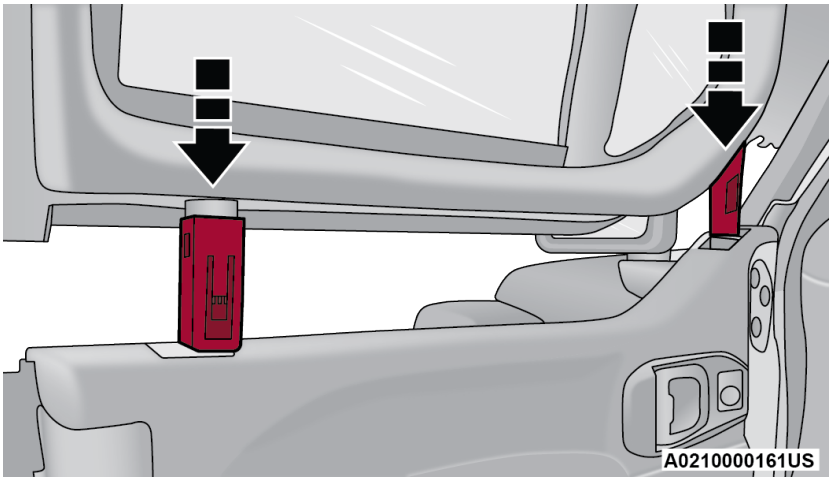
    b) Place a tool (hook tool or trim stick is recommended) in the service hole.



Place Tool Into Service Hole Of Plug To Remove

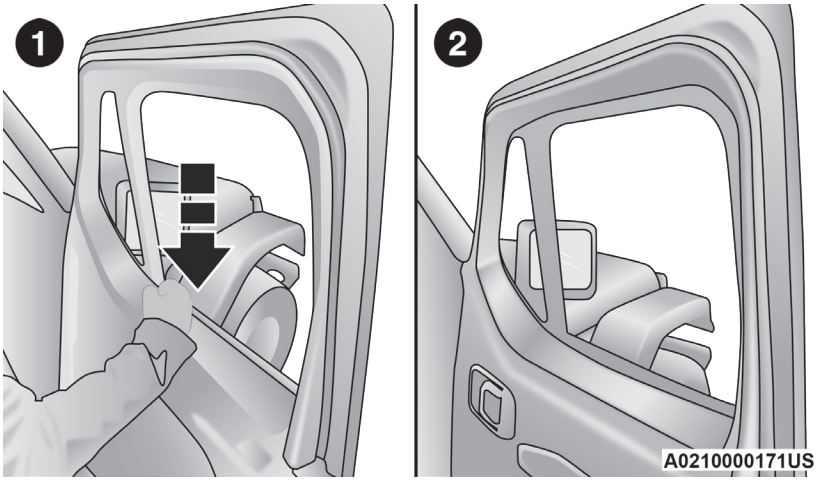
    c) Using the tool, slowly pull upwards from the center of the plug to remove.

8. Making sure the window on the upper half-door is completely zipped closed, insert the upper half-door into the lower half-door by placing the posts into the post holes.



Lower The Upper Half-Door Into Post Holes

9. Push down firmly on the inside of the upper half-door until it is fully seated in the lower half.



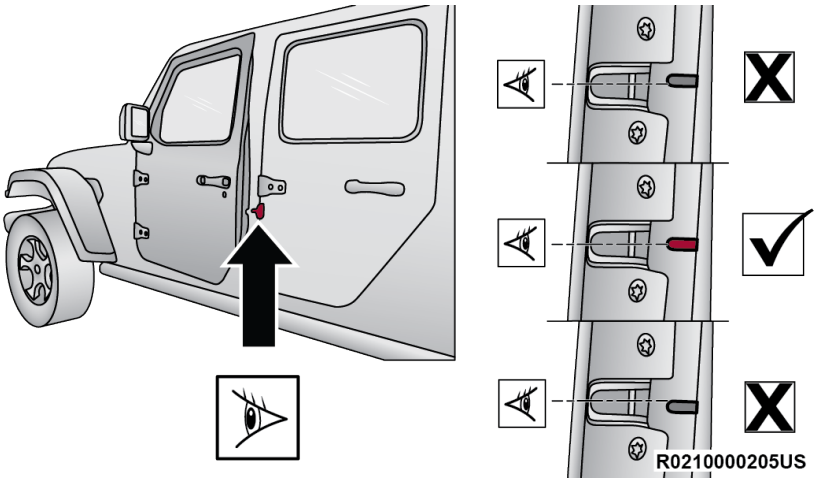
Push Down To Fully Seat Upper Half-Door

1 — Push Down On Inside Of Upper Half-Door
2 — Fully Seated Upper Half-Door

Door Latch Alignment

CAUTION!

Upon first installation of the half-doors, slowly set the door to the almost closed position and check how the door latch aligns with the body striker. Touch condition between these components can result in damage to both the door and the striker.

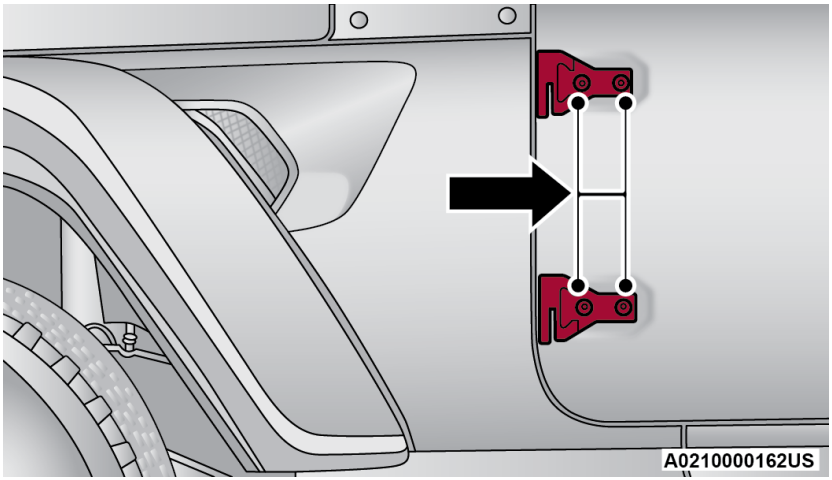


Check Door Latch And Striker Alignment

NOTE:
Only adjust the door to fit correctly against the striker. DO NOT adjust the striker, as this could affect the positioning of the full door.

If the door does not center align between the latch and the striker, proceed as follows:

1. Loosen (do not remove) the four bolts on the door hinges using the provided #T50 Torx head driver.



Hinge Bolt Locations

2. With the bolts loose, hold the door in the almost closed position, and check that the latch and striker align.

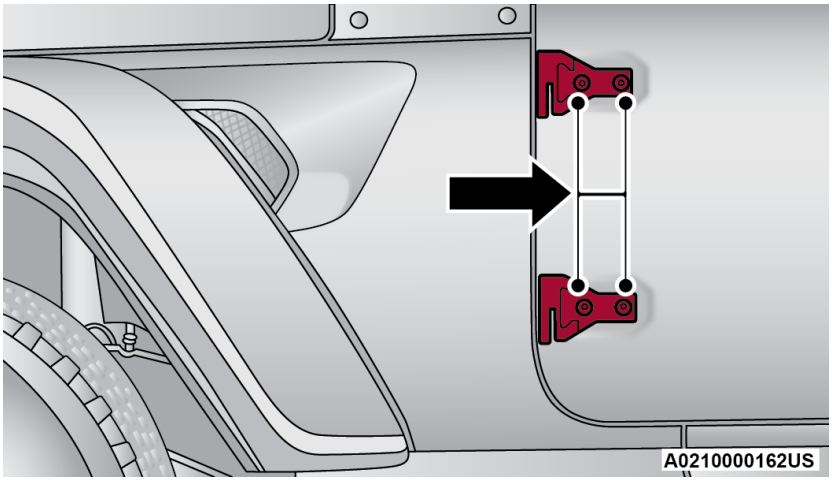
3. With the latch and striker aligned, proceed to close the door softly and tighten the hinge bolts to 20.3 ft· lb / 27.5 N·m (Max Torque: 27.3 ft· lb / 37 N·m).

Lower Door Adjustment

CAUTION!
Upon first installation of the half-doors, slowly close each door to check for body contact. Improper setting of the door hinges can cause extreme non-uniform conditions, and result in damage to the body around the door.

If the door does not latch properly after installation, if there is interference between the panels, or if a non-uniform gap around the door is observed when the door is closed (example: door position appears to be low and too far rearward), the position of the door on its hinges may need to be adjusted. To do this, proceed as follows:

1. Loosen (do not remove) the four bolts on the door hinges using the provided #T50 Torx head driver.



Door Hinge Bolt Locations

NOTE:
Do not adjust the body-mounted hinges, or any part of the door latch, as modifications to these parts will affect installation of the full door.

2. With the bolts loose, the door can be moved forward by pushing the door handle toward the front of the vehicle, and/or upward by grabbing the door handle and lifting toward the roof.

3. Once the gaps between the door and vehicle body are uniform around the entire door, tighten the door hinge bolts to 20.3 ft· lb / 27.5 N·m (Max Torque: 27.3 ft· lb / 37 N·m).

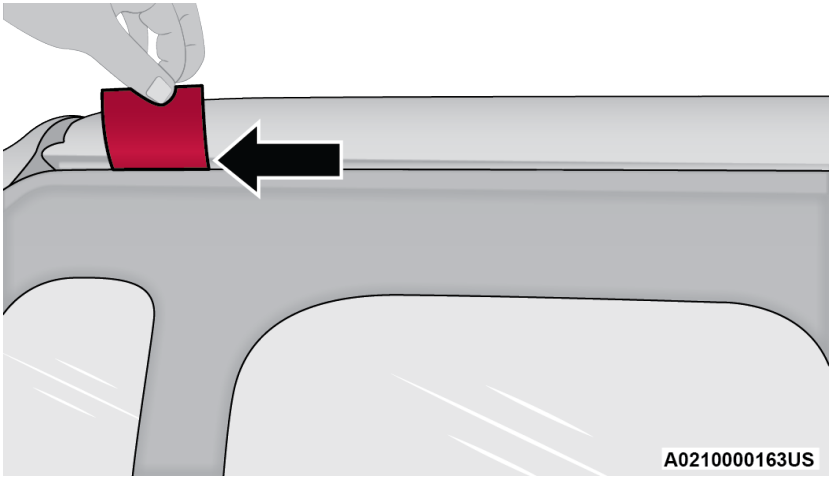
Upper Door Adjustment

After installation of the half-doors, if water leaks or wind noise is observed, the seal of the upper half-door to the door opening may need to be adjusted.
To determine if the upper half-door needs to be adjusted, proceed as follows:

1. Determine which door is affected.

2. Open the affected door and hold a dollar-size piece of paper along the top of the door opening against the vehicle near where the leak/noise was observed. Make sure half of the paper is above the area where the door seal contacts the door opening, while the other half is below.

3. Close the door on the paper, then pull the paper upward. If the paper moves with little to no effort, the upper half-door will need to be adjusted in that area to increase seal compression.



Performing A Paper Test

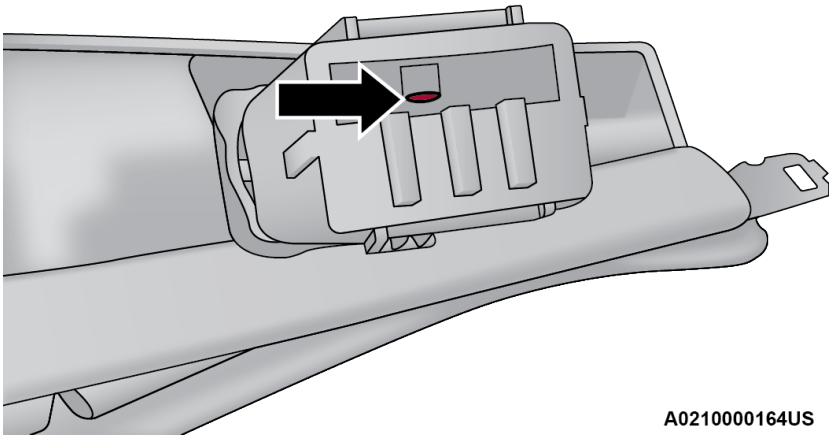
There is another optional test that can be performed using a flashlight and the help of another person.

One person should be inside the vehicle, and move the flashlight around the periphery of the door seal, shining outward. The other person should stand outside of the vehicle and check for light passing by the seal. If light is seen through the seal area, the door will need to be adjusted.

To adjust the seal compression, proceed as follows:

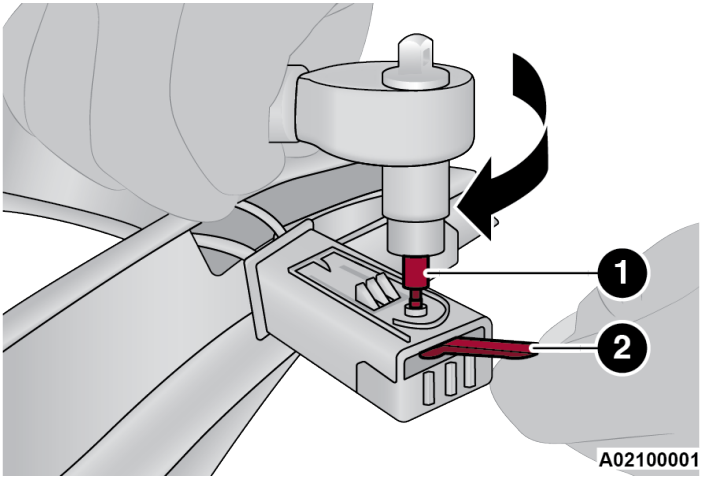
1. Open the door and lift the upper half-door up and away from the lower half. Lay the upper half-door on a clean, dry surface.

2. Using an 8 mm open-end wrench (not provided), loosen the nut located inside the bottom of the upper half-door post, closest to where the “paper test” detected a gap.



Nut Location Inside Bottom Of Post

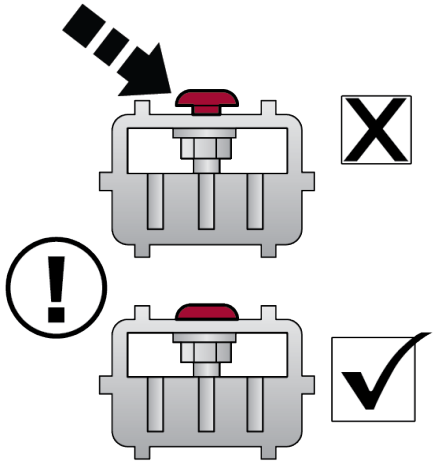
3. Using a 3 mm allen wrench (not provided), rotate the screw on the side of the post counterclockwise (while holding the wrench on the loosened nut) to increase the seal compression. If needed, rotate clockwise to reduce seal compression.



Rotate Screw For Seal Compression

1 — 3 mm Allen Wrench 2 — 8 mm Open-End Wrench

4. Tighten the nut inside the bottom of the post using the wrench and make sure the screw head is flush to the post. Reinstall the upper half-door.



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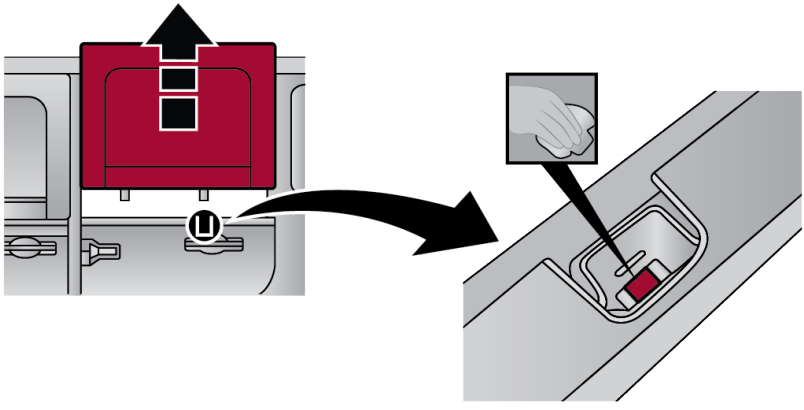
Screw Head Flush To Post

5. Close the door and repeat the “paper test”. Repeat the adjustment procedure if needed.

6. If needed, add the provided shim to a lower half-door pocket to seal the upper half-door to the roof:

    a. Lift upper half-door up and away from lower half.

    b. Clean the bottom of the door pocket.



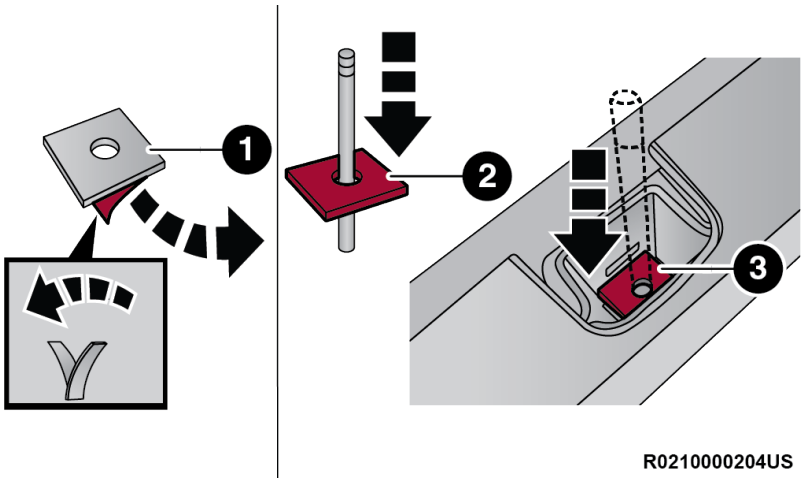
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Remove Upper Half-Door & Clean Bottom Of Door Pocket

    c. Slide the shim onto a pencil or similar tool.

d. Remove the paper backing from the adhesive side of the shim and place the shim with pencil into the pocket.

e. Press the shim firmly to the bottom of the pocket, and remove the pencil once the shim is firmly in place.



Press Shim Firmly Into Bottom Of Pocket

1 — Remove Paper Backing From Shim
2 — Slide Pencil through Hole In Shim
3 — Press Pencil With Shim Into Pocket

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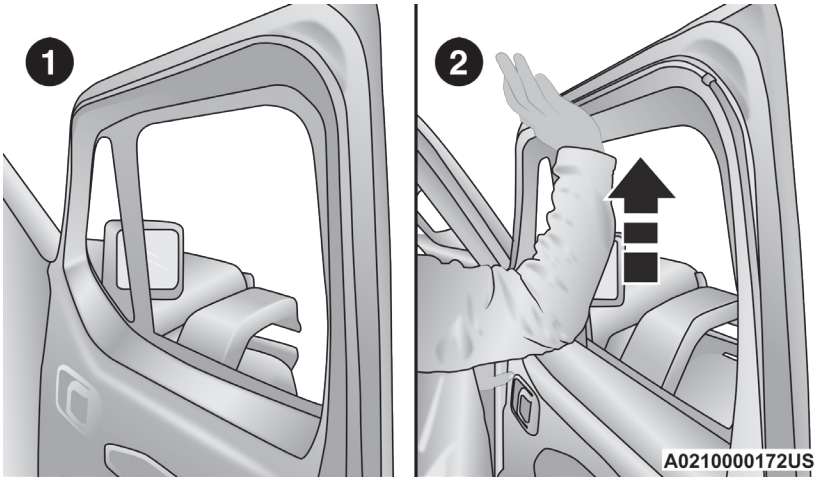
f. Replace upper half-door.

NOTE:
If the compression is increased too much on the front upper corner of the rear doors, deformation of the seal will occur.

Half-Door Removal

To remove the half-doors, repeat the installation steps in reverse order.

NOTE:
When removing the upper half-doors, push upward firmly on the middle of the upper half-door until the posts detach from the lower half.



Push Upward To Remove Upper Half-Door

1 — Fully Seated Upper Half-Door

2 — Push Upward On Middle Of Upper Half-Door





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