

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1979 JEEP Wagoneer OEM Service and Repair Workshop Manual

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General Water Leaks

GENERAL WATER LEAKS

Water leaks can be caused by poor sealing, improper body component alignment, body seam porosity, missing plugs, or blocked drain holes. Centrifugal and gravitational force can cause water to drip from a location away from the actual leak point, making leak detection difficult. All body sealing points should be water tight in normal wet-driving conditions. Water flowing downward from the front of the vehicle should not enter the passenger or luggage compartment. Moving sealing surfaces will not always seal water tight under all conditions. At times, side glass or door seals will allow water to enter the passenger compartment during high pressure washing or hard driving rain (severe) conditions. Overcompensating on door or glass adjustments to stop a water leak that occurs under severe conditions can cause premature seal wear and excessive closing or latching effort. After completing a repair, water test vehicle to verify leak has stopped before returning vehicle to use.

VISUAL INSPECTION BEFORE WATER LEAK TESTS

Verify that floor and body plugs are in place, body drains are clear, and body components are properly aligned and sealed. If component alignment or sealing is necessary, refer to the appropriate section of this group for proper procedures.

Pull the door mounted seal slightly all around to check if the push-pins are properly engaged on door panel before replacing the seal for a suspected wind noise or leak issue.

Check for retention of body mounted seal all around by pulling it slightly.

WATER LEAK TESTS

WARNING

Do not use electric shop lights or tools in water test area. Personal injury can result.

When the conditions causing a water leak have been determined, simulate the conditions as closely as possible.

- If a leak occurs with the vehicle parked in a steady light rain, flood the leak area with an open-ended garden hose.



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1 - Glass Run Weatherstrip

3. Pull the glass run weatherstrip out of the rear glass run channel.

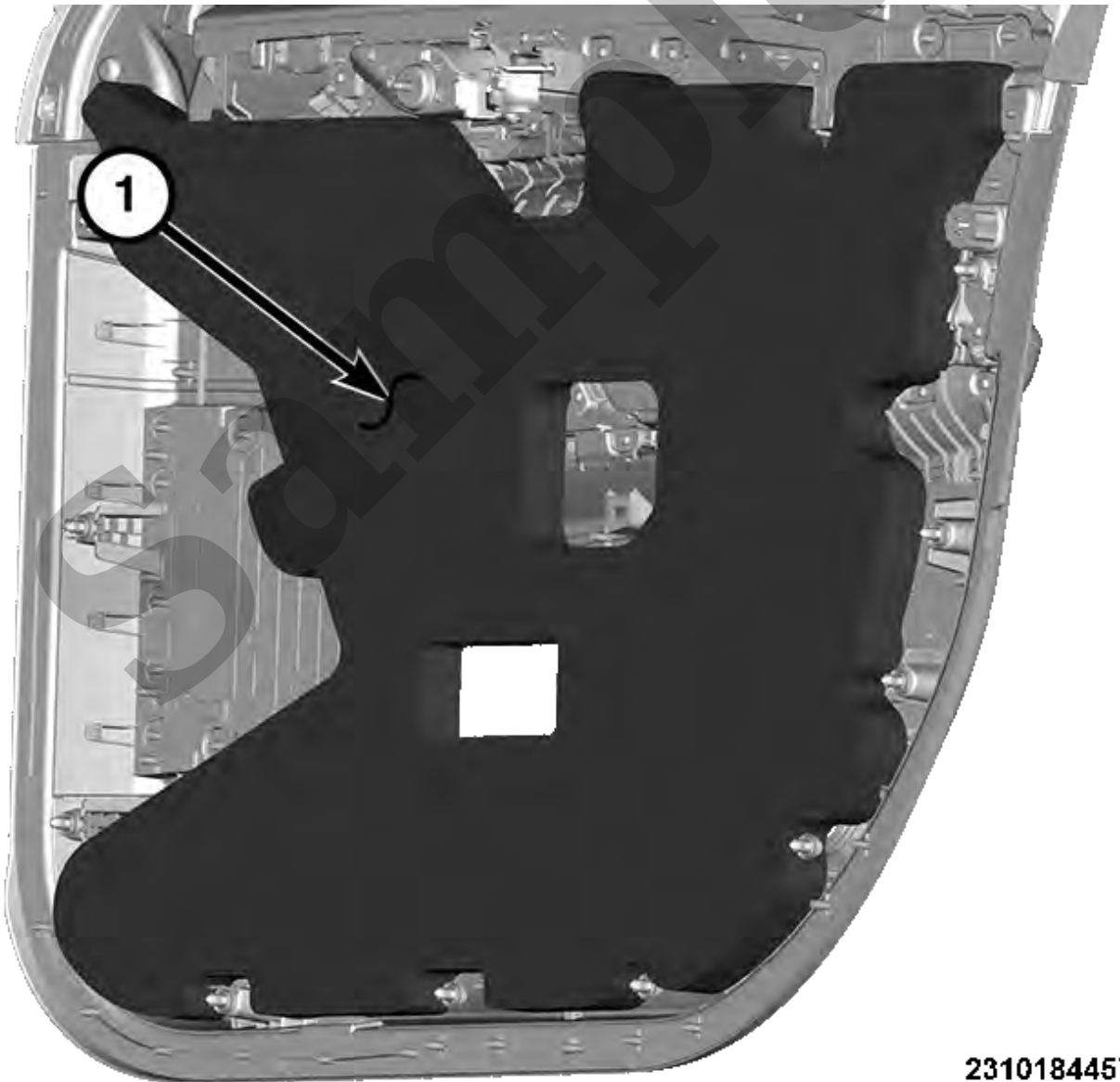
YOUR CURRENT VEHICLE

Front Door Trim Armrest

FRONT DOOR TRIM ARMREST

REMOVAL

1. Remove the door trim panel (Refer to [Body/Door - Front/PANEL](#), [Door Trim/Removal and Installation](#)).

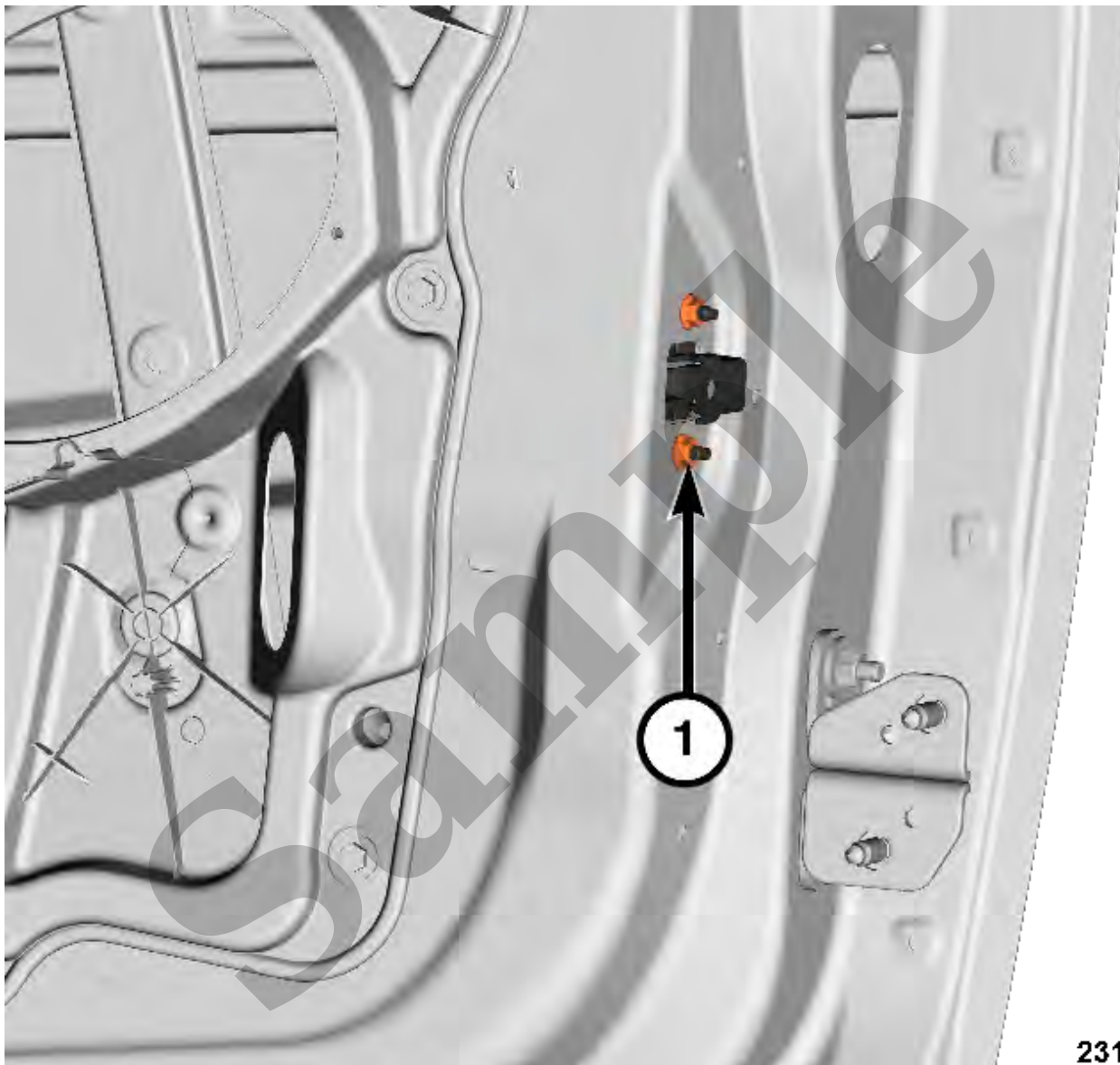


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1 - Check Arm

2 - Door Check Arm Bolt

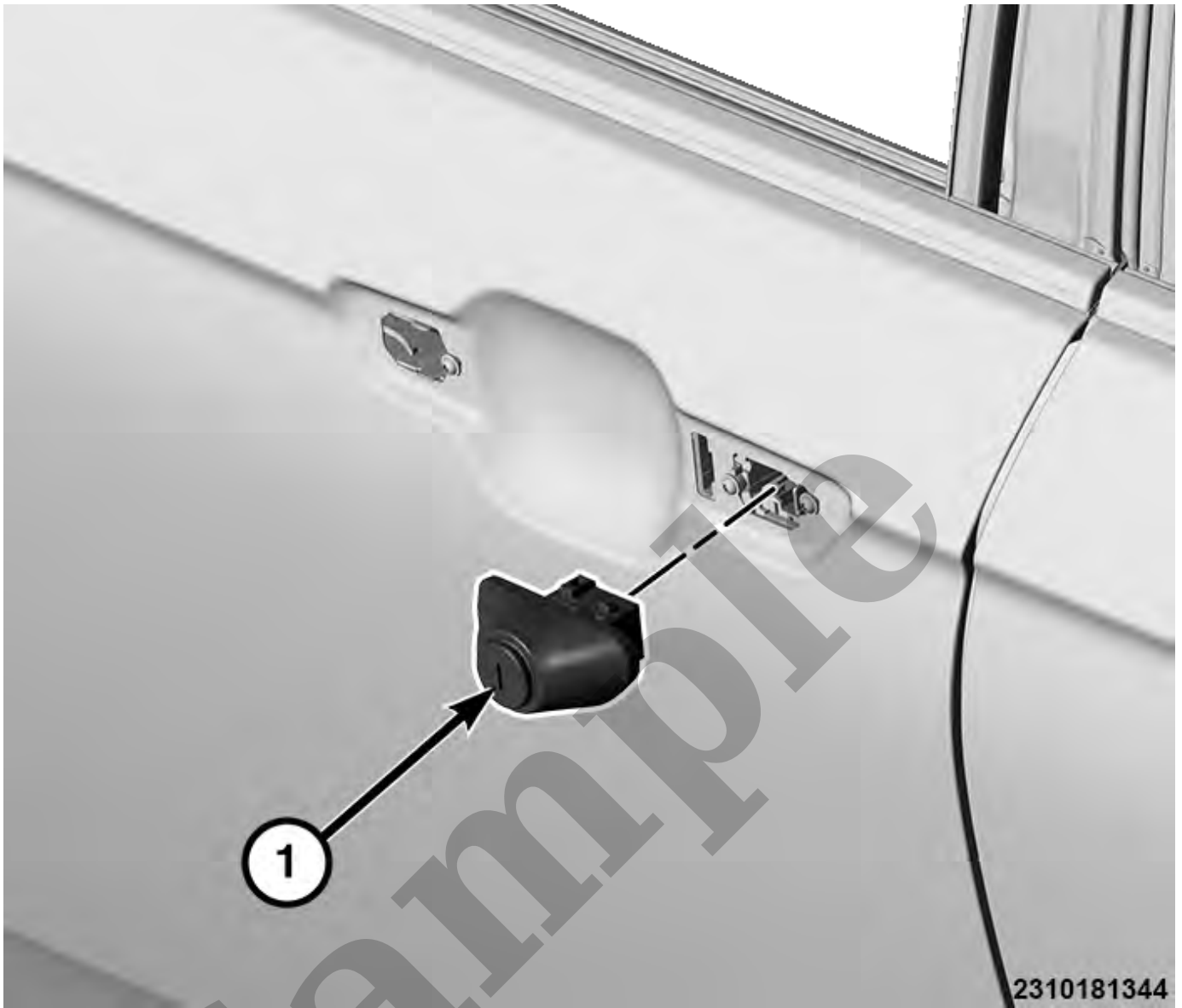
1. Open the door and remove the bolt securing the door check arm to the A-pillar.



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1 - Door Check Nuts

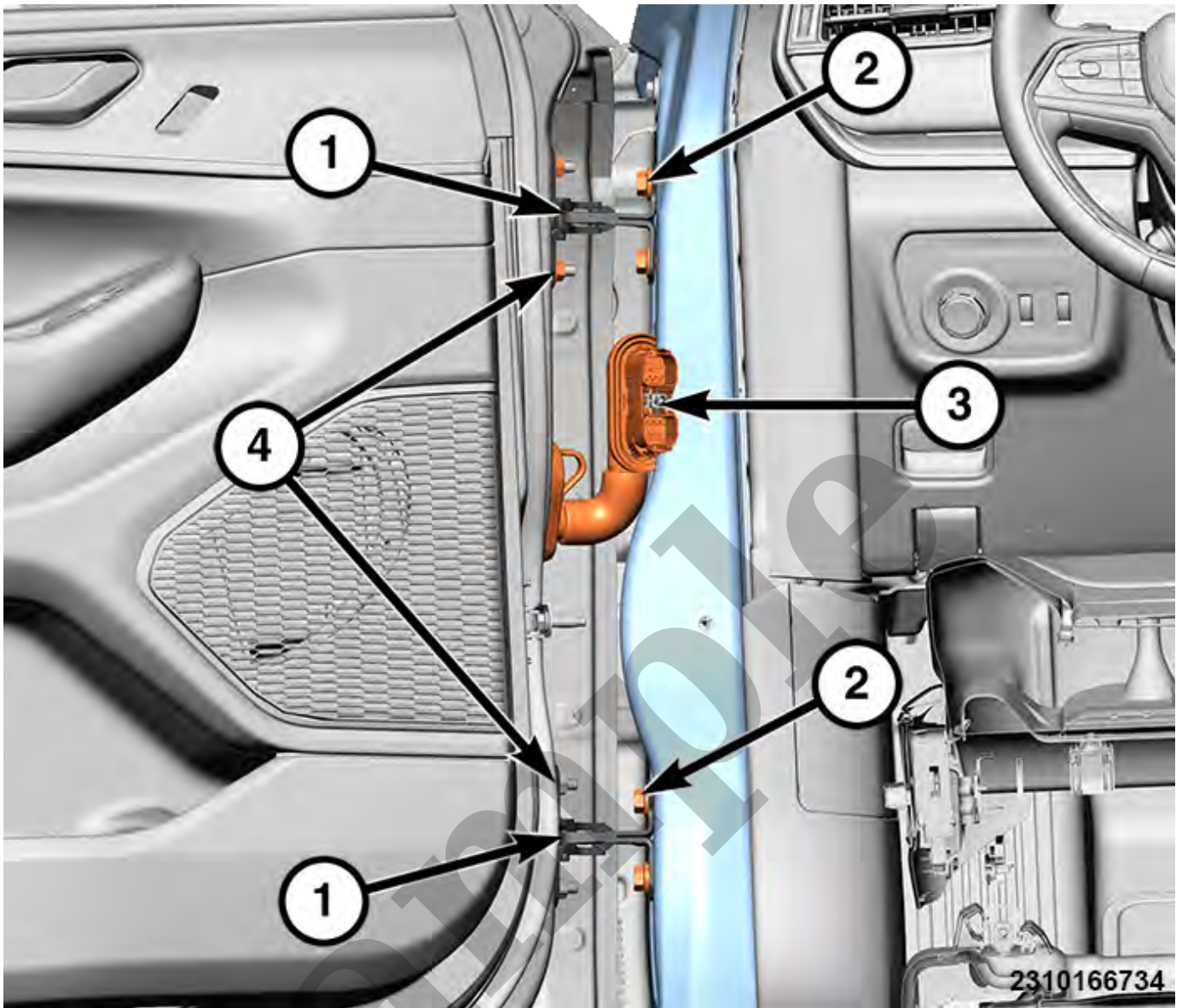
2. Remove the door speaker ([Refer to Electrical/8A - Audio and Video/SPEAKER/Removal and Installation](#)).
3. Remove the nuts that secure the door check assembly to the door.



1 - Lock Cylinder

2. Using a trim stick

Trim Stick



1 - Door Hinges

2 - Door Hinge to Body Bolts

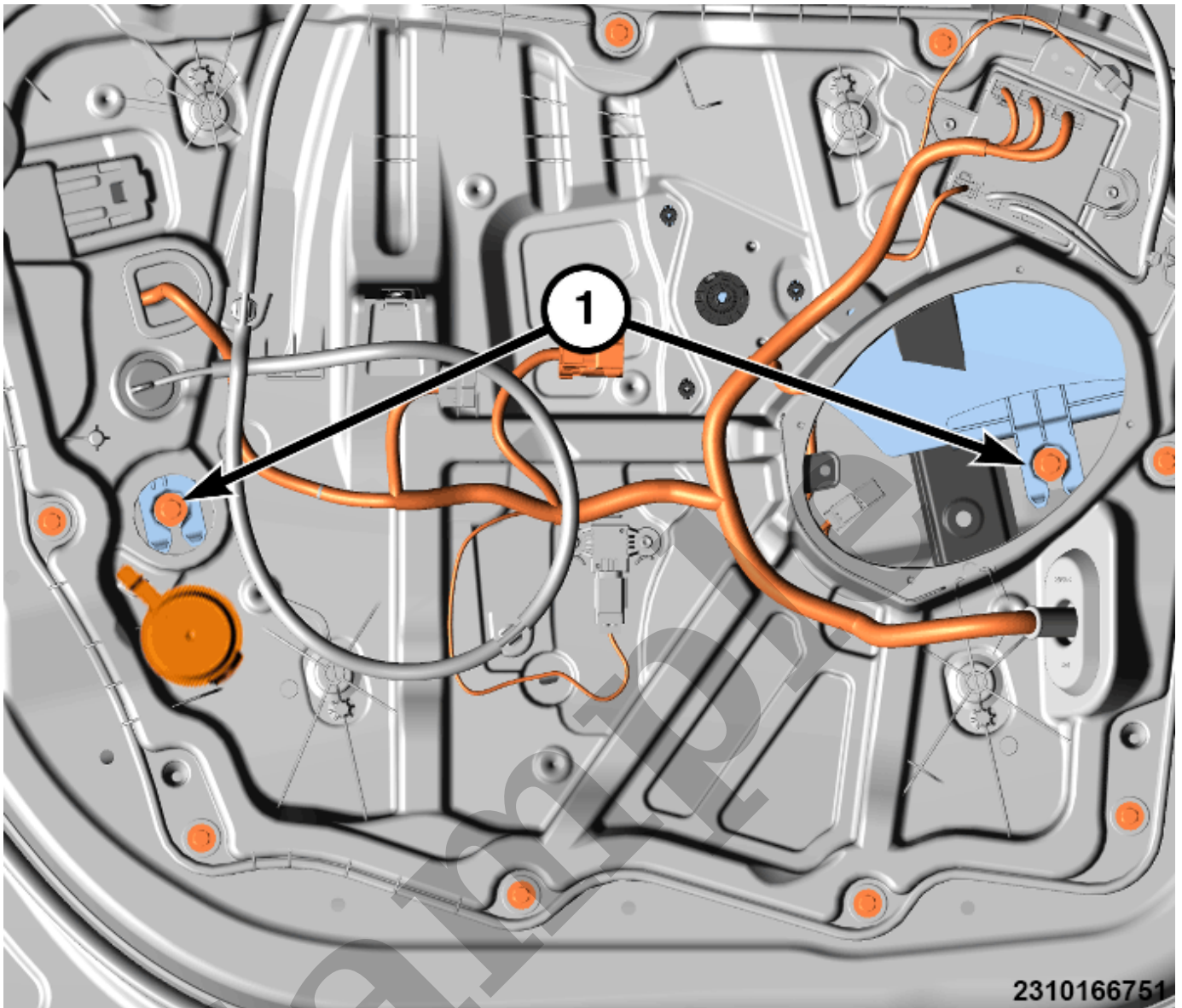
3 - Wire Harness Connector

4 - Door Hinge to Door Nuts

6. Remove the hinge to door nuts from the door.

NOTE

Have an assistant aid in removal/installation.



1 - Door Glass Bolts

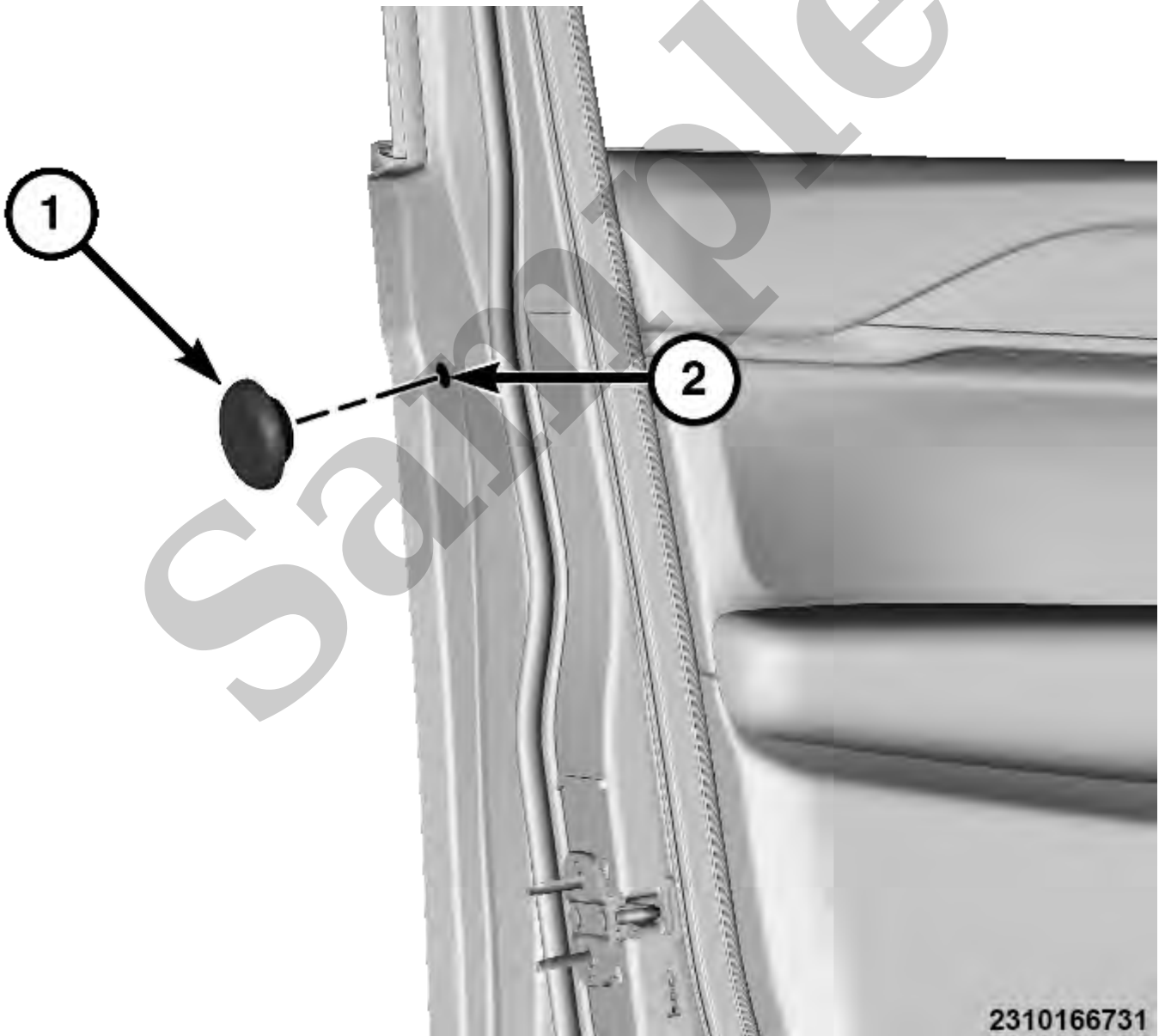
6. Loosen the door glass bolts.

YOUR CURRENT VEHICLE

Exterior Door Handle

EXTERIOR DOOR HANDLE

REMOVAL



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- When inserting the door handle leg through the outer door panel and pushing in to engage. An audible click will be heard.
- Once properly positioned, tighten the slide plate screw accessible rearward of the handle. Tighten the fastener securely. The handle will close shut as the screw is tightened.

Sample