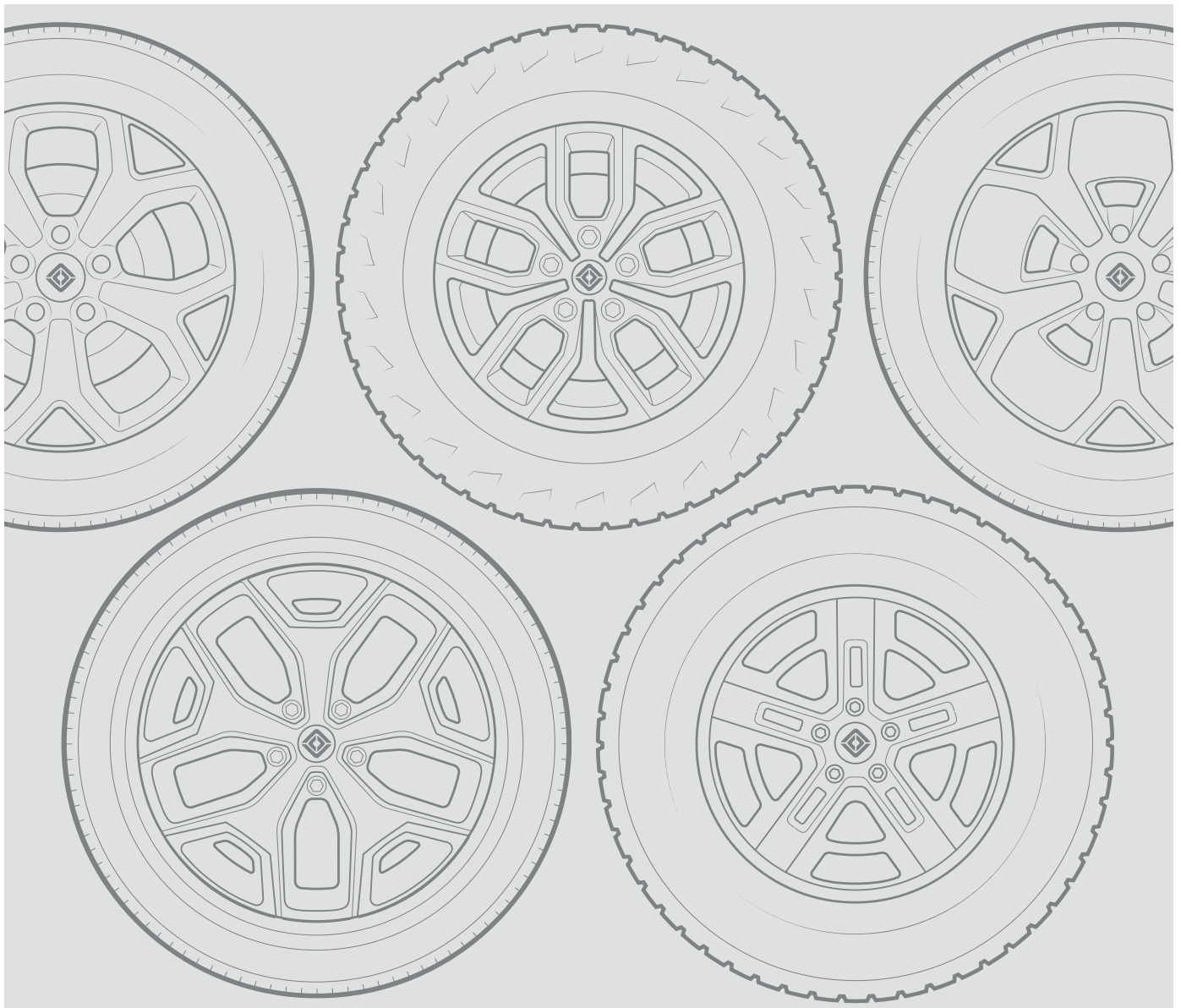


R1T + R1S

Tire Service Guide





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Some features may not be available depending on your vehicle configuration or region.

The images provided in this document are for illustrative purposes only. Depending on the product details and market region, the information in this document may appear slightly different from your product.

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Seal a Flat Tire



WARNING

Don't service the vehicle on uneven or soft terrain, on a narrow shoulder, or near oncoming traffic.



CAUTION

- Use the Rivian-supplied tire sealant kit for roadside emergencies only. After using the tire sealant kit to temporarily fix a flat tire, repair or replace the tire as soon as possible.
- Tire sealant only repairs holes in tire tread. If a hole appears in any other part of the tire, such as the sidewall, or exceeds 0.25 in (6 mm) in diameter, repair or replace the tire.

ONBOARD AIR COMPRESSOR AND TIRE SEALANT KIT

To seal a hole in a flat tire using the onboard air compressor and the tire sealant kit:

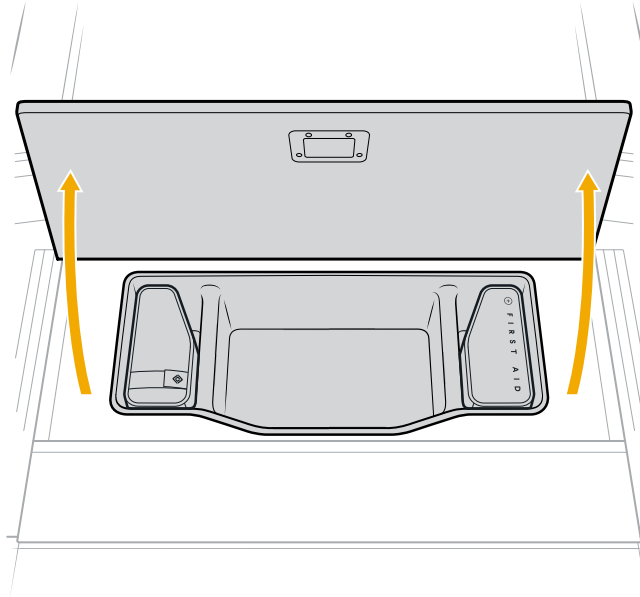
1. Find a safe, level location.
2. Put the vehicle in **Park** and turn on the hazard lights.



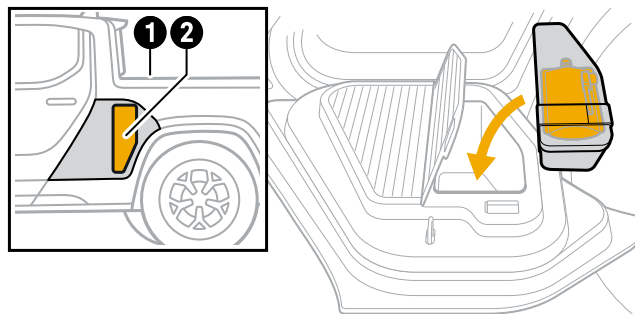
SEAL A FLAT TIRE

3. Locate the tire sealant kit.

- For R1S, remove the tire sealant kit from the spare tire compartment in the rear cargo area.



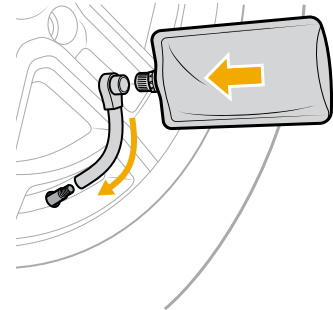
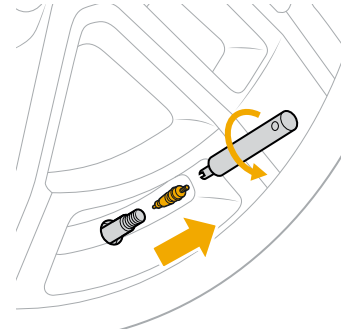
- For R1T, remove the tire sealant kit from the driver-side Gear Tunnel storage compartment.



Item	Description
1	Gear Tunnel door release button
2	Tire sealant kit

SEAL A FLAT TIRE

4. Remove the cap from the tire valve stem.
5. Use the included valve core removal tool to remove the valve core from the tire valve stem. Save these parts for reinstallation.
6. Allow the tire to fully deflate.
7. Push the tire sealant hose over the tire valve stem.
8. Pull open the cap on the tire sealant pouch and insert the nozzle into the tire sealant hose.
9. Squeeze the entire contents of the tire sealant pouch into the tire.
10. Remove the tire sealant pouch and hose from the valve stem.
11. Reinstall the valve core into the valve stem with the included tool.
12. Reinflate the tire with the air compressor.
13. Install the red valve cap included in the tire sealant kit to identify the damaged tire.
14. Drive for 5 minutes to distribute sealant throughout the tire.
15. Ensure the tire is inflated to the full recommended pressure.



CAUTION

If the tire won't inflate to the full recommended pressure, repair or replace the tire to avoid damage to the tire or the vehicle.

AIR COMPRESSOR SERVICE KIT

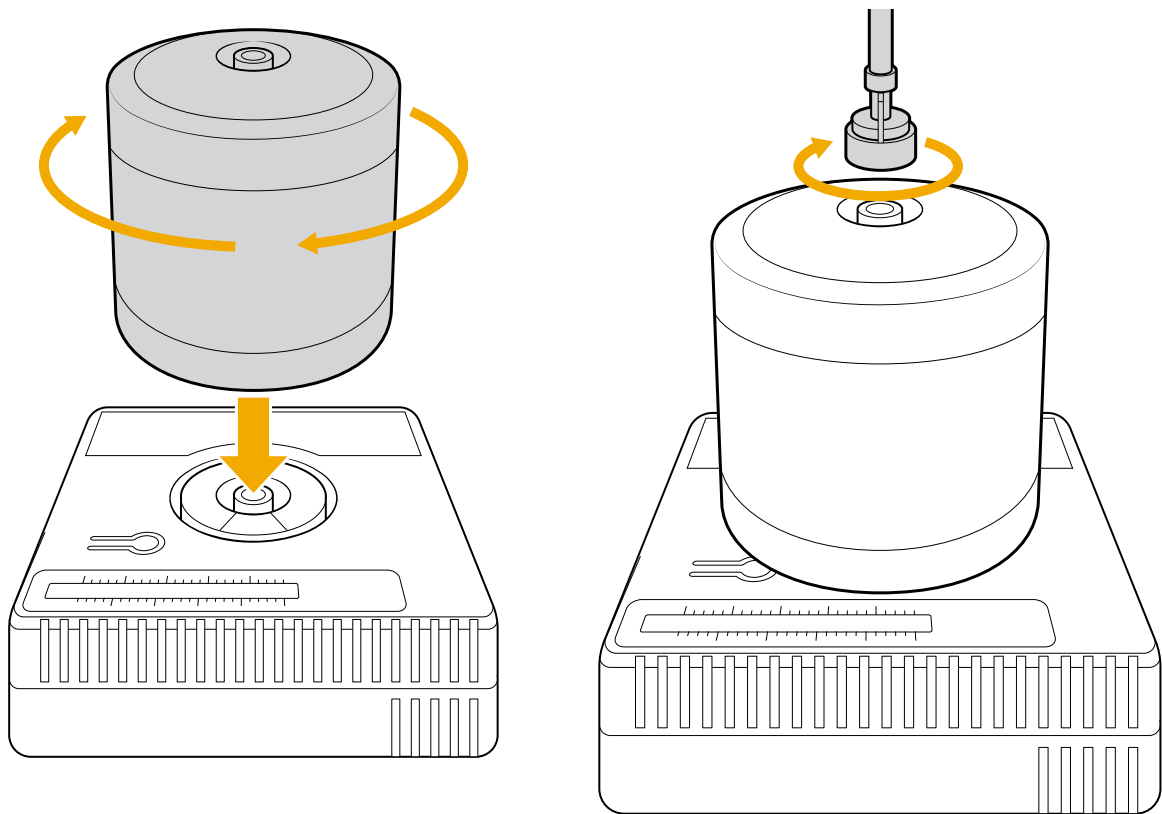
To seal a hole in a flat tire using the air compressor service kit:

1. Find a safe, level location.
2. Put the vehicle in **Park** and turn on the hazard lights.
3. Locate the air compressor service kit in the spare tire compartment.
4. Unravel the electrical cord completely. Ensure there are no loops or tangles in the cord.
5. Plug the air compressor into a 12 V power outlet.
6. Remove the sticker from the tire sealant bottle and place it on the wheel to identify the damaged tire.
7. Screw the tire sealant bottle onto the air compressor.

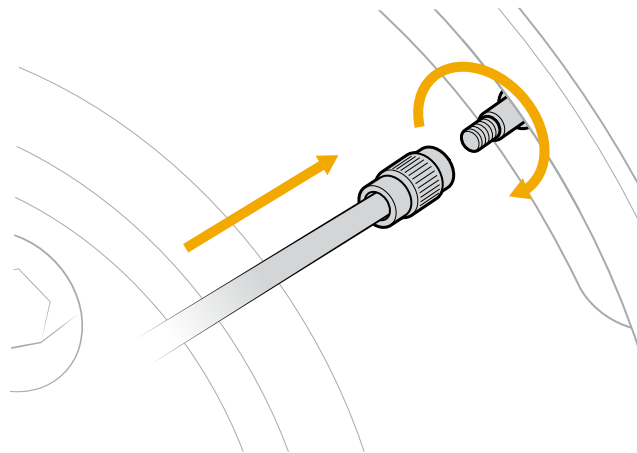


SEAL A FLAT TIRE

8. Screw the larger end of the air hose onto the tire sealant bottle.



9. Remove the cap from the tire valve stem. Save it for reinstallation.
10. Screw the air hose nozzle onto the tire valve stem.



11. Turn on the air compressor to distribute the entire contents of the tire sealant bottle into the tire.

**CAUTION**

Don't continuously run the compressor for more than 10 minutes. Ensure the compressor cools down for at least 10 minutes before resuming to prevent overheating and possible damage.

12. Continue inflating for 10 minutes or until the gauge reads at least 30 psi (200 kPa), whichever is sooner.

NOTE

If the tire pressure doesn't increase, disconnect and store the air compressor. Slowly drive the vehicle forward and backward a few times for about 33 ft (10 m) to distribute the sealant throughout the tire. Then reconnect the air compressor and continue inflating.

13. Remove the air compressor hose from the tire and replace the cap on the tire valve stem.
14. Unplug and store the air compressor.

**CAUTION**

The air compressor may be hot after use. Allow to cool before storage.

15. Drive slowly for 5 minutes to distribute sealant throughout the tire.
16. Ensure the tire is still inflated, and then repeat the steps above to inflate the tire to the full recommended pressure as needed.

**CAUTION**

- Avoid driving faster than 50 mph (80 km/h) and repair or replace the tire as soon as possible.
- If the tire won't inflate to the full recommended pressure, repair or replace the tire before driving to avoid damage to the tire or the vehicle.

Change a Tire



DANGER

To avoid damage to the vehicle and injury to people nearby, follow these safety precautions when you change a tire.

- Find a safe location and ensure the surface is flat, firm, and high-friction.
- Don't service the vehicle on a narrow shoulder, near oncoming traffic, or on soft terrain.
- Don't place the tire jack over a grate or manhole cover.
- Don't place supports such as wooden blocks under the tire jack.





CAUTION

- The Rivian Tire Service Kit should only be used for roadside emergencies to change a flat or damaged tire on a Rivian vehicle. [Contact Rivian](#) for other types of service or repair.
- The Rivian Tire Service Kit is designed to lift a Rivian vehicle using the vehicle jack points only. Don't lift any other vehicle or cargo using the Rivian Tire Service Kit.

NOTE

The full-size spare tire, compact spare tire, and tire service kit are optional items and must be purchased separately.

PREPARE THE VEHICLE

1. Find a safe, level location.
2. Go to **Drive Modes**  > **All-Purpose** , and then choose **Standard** under **Ride Height**.
3. Put the vehicle in **Park**.
4. Turn on the hazard lights.
5. Ensure all passengers exit the vehicle and stay in a safe location.



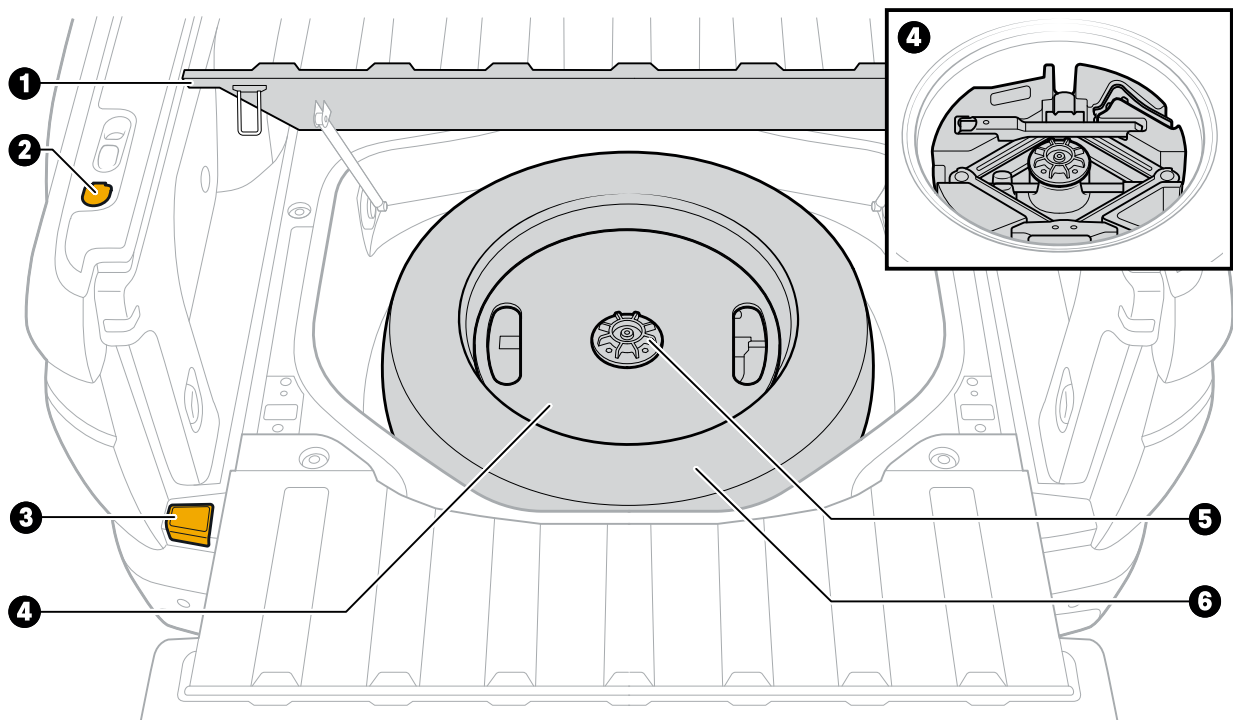
PREPARE THE SPARE TIRE

1. For R1T, access the spare tire compartment in the truck bed. For R1S, go to step 2.
 - a. Ensure that the truck bed is empty, and that there aren't any objects on the spare tire compartment lid.

NOTE

Unlock and remove the rear Cargo Crossbar if needed. The owner must provide the key.

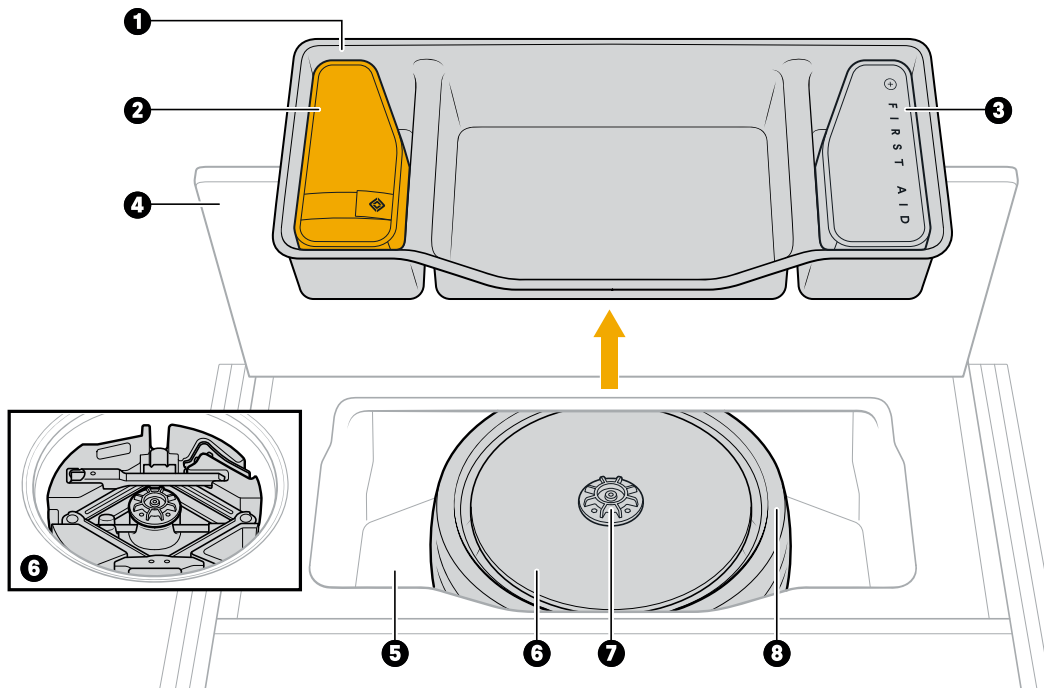
- b. Open the tailgate.
- c. Lift the release lever to open the spare tire compartment.
- d. Push the spare tire compartment lid to a vertical position to remove the spare tire.
- e. Go to step 3.



Item	Description
1	Spare tire compartment lid
2	Tailgate release button
3	Spare tire compartment release lever
4	Tire service kit (includes tire jack and tools)
5	Spare tire wing nut
6	Spare tire

CHANGE A TIRE

2. For R1S, access the spare tire compartment in the rear cargo area.
 - a. Open the liftgate and tailgate.
 - b. Ensure the rear cargo area is empty.
 - c. Use the handle to lift the floor panel door.
 - d. Remove the cargo storage tray.

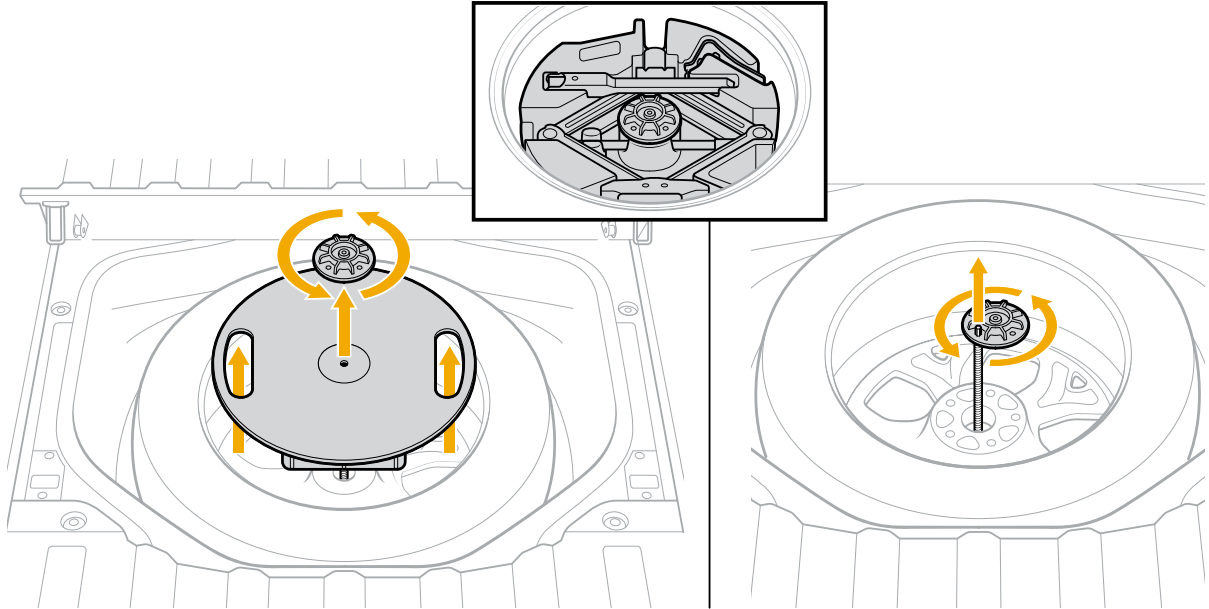


Item	Description
1	Cargo storage tray
2	Air compressor accessory kit
3	First aid kit
4	Floor panel door
5	Spare tire compartment
6	Tire service kit (includes tire jack and tools)
7	Spare tire wing nut
8	Compact spare tire

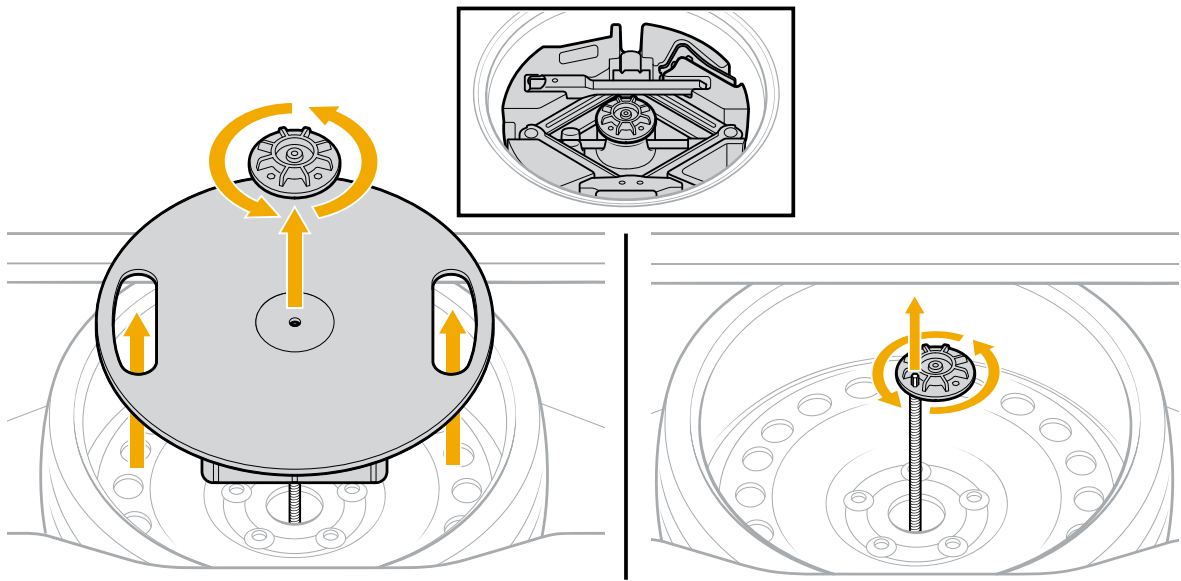
CHANGE A TIRE

3. Remove the tire service kit from the spare tire.
 - a. Unfasten the spare tire wing nut and remove the tire service kit.
 - b. Use the hex hole on the spare tire wing nut to unscrew and remove the tire service kit retention rod.
 - c. Save the wing nut and retention rod for reinstallation.

R1T



R1S



4. Remove the spare tire.

- 5. If you're using the full-size spare tire, inflate the tire to the recommended pressure (listed on the Tire and Loading Information label on the driver's door pillar).

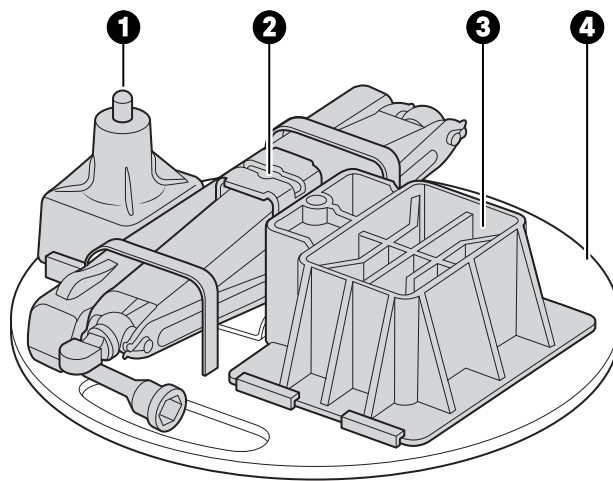


CAUTION

Inflate the compact spare tire after you install it on the vehicle. See [Remove and Replace a Wheel](#) (page 20).

LIFT THE VEHICLE WITH THE TIRE SERVICE KIT

2021 to Mid-2023 Version






Item	Description
1	Jack adapter (alignment pin at top)
2	Tire jack and tools
3	Jack riser base
4	Storage disc



CAUTION

- Always use the jack adapter to prevent damage to the vehicle when you lift the vehicle with the Rivian-supplied tire jack.
- Don't use the jack adapter with other scissor or hydraulic jacks.

1. Go to **Drive Modes**  > **All-Terrain**  (under **Off-Road** on Quad Motor vehicles), and then choose **Highest** under **Ride Height**.
2. After the suspension has finished adjusting to Highest, go to **Settings**  > **Vehicle** > **Service**, and then turn on **Tire Change** mode.

NOTE

When Tire Change mode is on, automatic suspension adjustments pause and ride height can't be changed.

3. Secure the vehicle by placing wheel chocks diagonally opposite the tire to be changed.



WARNING

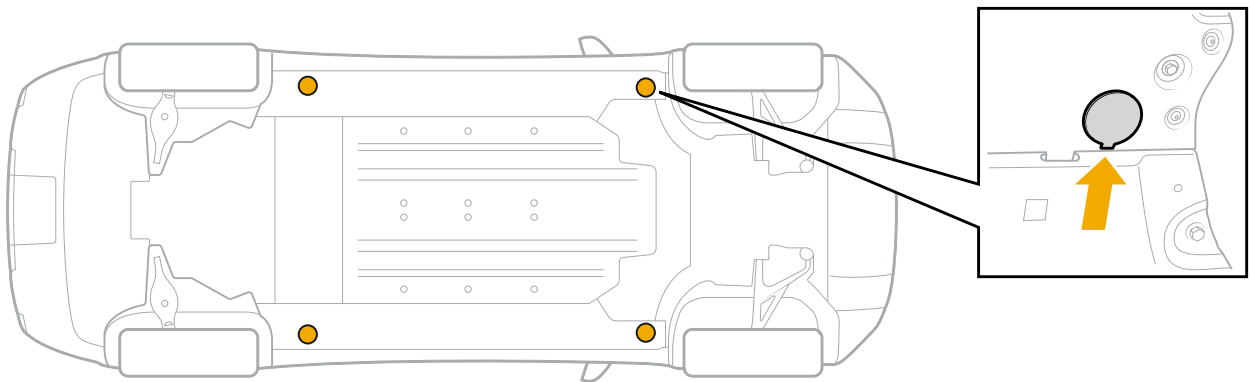
The electronic park brake is only on the rear wheels.
If you lift a rear wheel, the vehicle may roll.

4. Locate the vehicle jack point closest to the tire you're changing. There is a jack point behind each front tire and in front of each rear tire, near the rocker panel.



DANGER

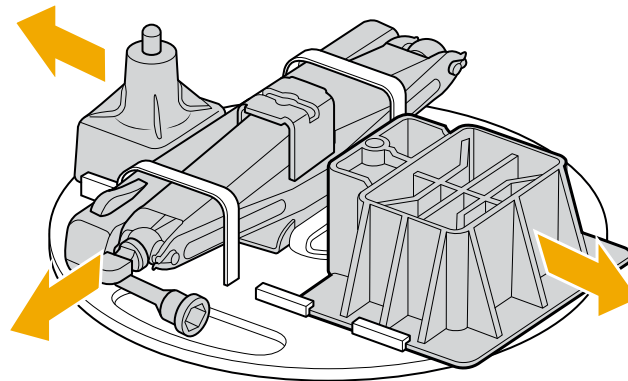
To avoid damage to the vehicle and injury to people nearby, only place the tire jack under the vehicle jack point. Don't place the tire jack under other locations.



5. Remove the jack point cover by applying force to the inner edge.
6. If replacing a rear tire, slide the jack riser base (3) out of the storage disc (4) included in the tire service kit. Then place the jack on top of the riser base.

NOTE

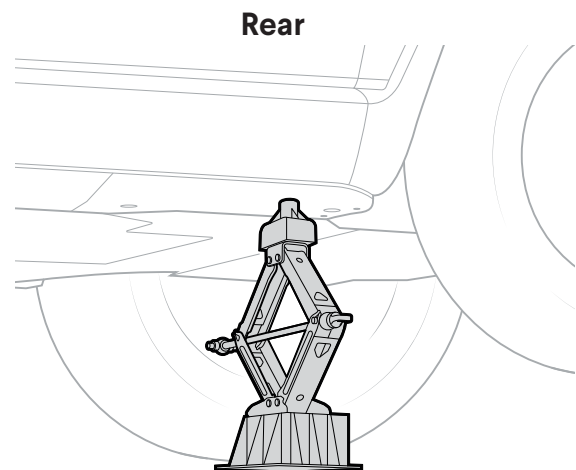
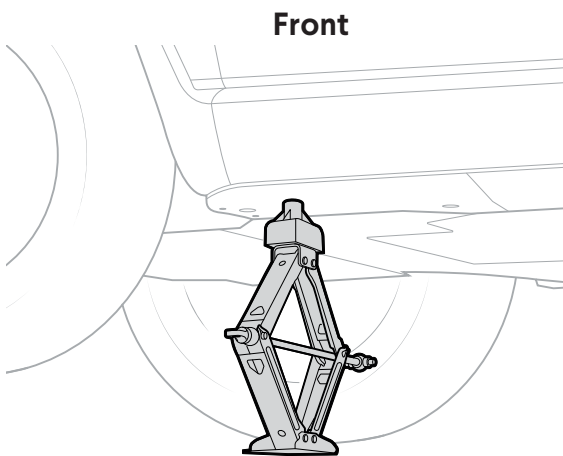
If replacing a front tire, don't use the riser base.



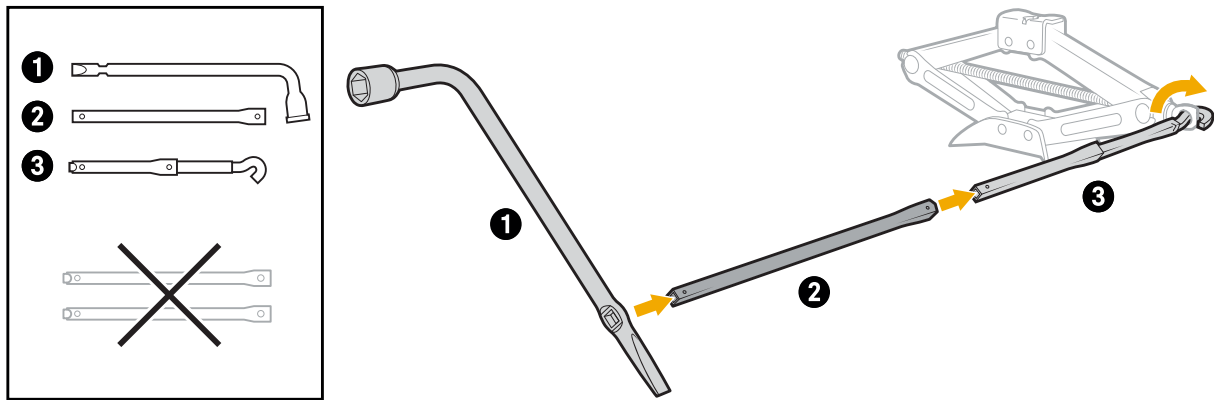
7. Align the top of the jack adapter (1) with the hole at the vehicle jack point.
8. Place the tire jack (2) under the jack adapter.

NOTE

Don't place the storage disc under the tire jack.



9. Assemble the jack handle.



10. Insert the jack handle into the tire jack. Then turn the handle to raise the jack slightly.

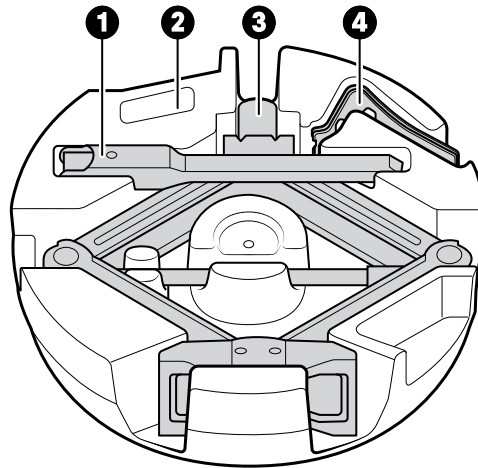


DANGER

To avoid damage to the vehicle and injury to people nearby, ensure that the jack is straight and the jack adapter is level and aligned with the opening in the vehicle jack point. The jack may slip if not aligned and level.

11. If the jack begins to tilt, lower the jack. Then reposition the jack rearward approximately 2 in (5 cm) and try again.

Mid-2023 (and Later) Version



Item	Description
1	Tire jack handle
2	Tire service kit storage tray
3	Tire jack (alignment pin at top)
4	Wheel chocks

1. Go to **Drive Modes** > **All-Terrain** (under **Off-Road** on Quad Motor vehicles), and then choose **Highest** under **Ride Height**.
2. After the suspension has finished adjusting to Highest, go to **Settings** > **Vehicle** > **Service**, and then turn on **Tire Change** mode.

NOTE

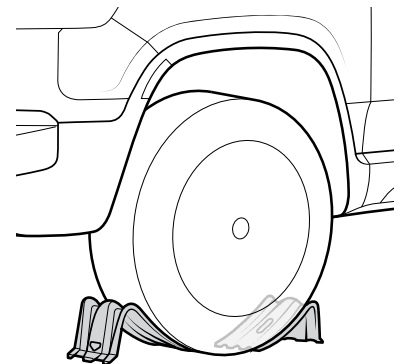
When Tire Change mode is on, automatic suspension adjustments pause and ride height can't be changed.

3. Remove the wheel chocks from the storage tray.
4. Secure the vehicle by placing wheel chocks diagonally opposite the tire you're changing.



WARNING

The electronic park brake is only on the rear wheels. If you lift a rear wheel, the vehicle may roll.



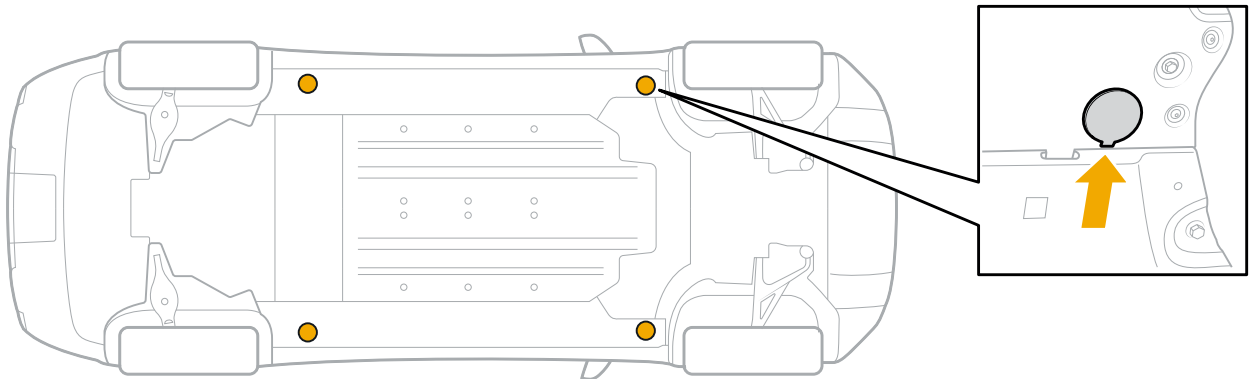
CHANGE A TIRE

5. Locate the vehicle jack point closest to the tire you're changing. There is a jack point behind each front tire and in front of each rear tire, near the rocker panel.

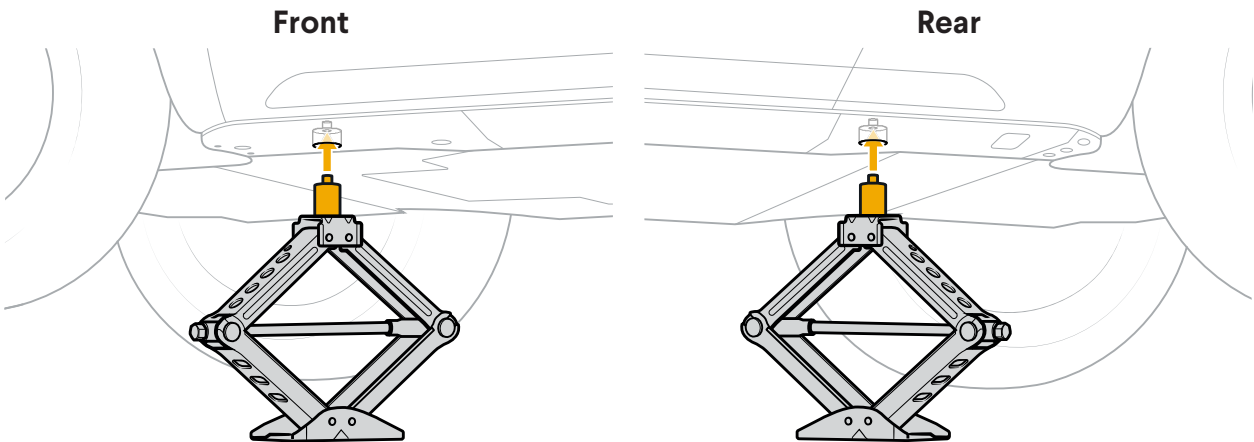


DANGER

To avoid damage to the vehicle and injury to people nearby, only place the tire jack under the vehicle jack point. Don't place the tire jack under other locations.



6. Remove the jack point cover by applying force to the inner edge.
7. Remove the tire jack and handle from the storage kit.
8. Position the tire jack under the jack point.
9. Align the top of the tire jack with the hole at the vehicle jack point.

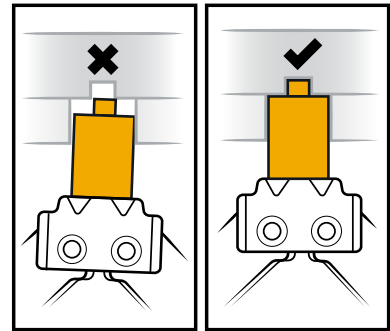




DANGER

To avoid damage to the vehicle and injury to people nearby, ensure that the jack is straight and the pin at the top of the tire jack is level and aligned with the opening in the vehicle jack point. The jack may slip if not aligned and level.

10. Insert the jack handle into the tire jack. Then turn the handle to raise the jack slightly.
11. If the jack begins to tilt, lower the jack. Then reposition the jack rearward approximately 2 in (5 cm) and try again.



REMOVE AND REPLACE A WHEEL



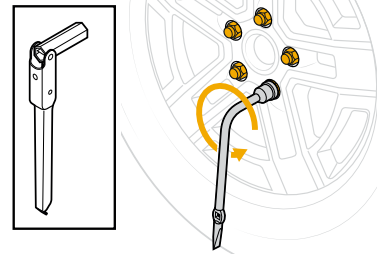
DANGER

To avoid damage to the vehicle and injury to people nearby, follow these safety precautions while the vehicle is supported by the tire jack.

- Don't place any part of your body under the vehicle while it's lifted.
- Be cautious around the lifted vehicle and the jack. Don't push or pull against the vehicle. If a wheel is stuck and can't be removed, [contact Rivian](#).

Remove a Wheel

1. Turn on **Tire Change** mode and place the tire jack under the jack point. See [Lift the Vehicle with the Tire Service Kit](#) (page 13).
2. Raise the jack to lift the vehicle slightly, keeping the tire on the ground.
3. Loosen the lug nuts counterclockwise a half-turn with a lug wrench.
4. Raise the jack to lift the vehicle so the tire doesn't touch the ground.
5. Fully loosen and remove the lug nuts.
6. Remove the wheel from the vehicle by gripping the tread of the tire and pulling it straight out.



Install a New Wheel



CAUTION

If you're using the compact spare tire to temporarily replace a flat tire, replace the tire as soon as possible. The compact spare tire is for roadside emergencies only.

1. Lift the wheel and align the wheel studs with the holes in the rim.
2. Push the wheel onto the hub. Ensure the wheel is fully seated to the hub.
3. Reinstall the lug nuts and tighten them by hand.

CHANGE A TIRE

- If you're using the compact spare tire, inflate the tire to the recommended pressure (listed on the Tire and Loading Information label on the driver's door pillar).



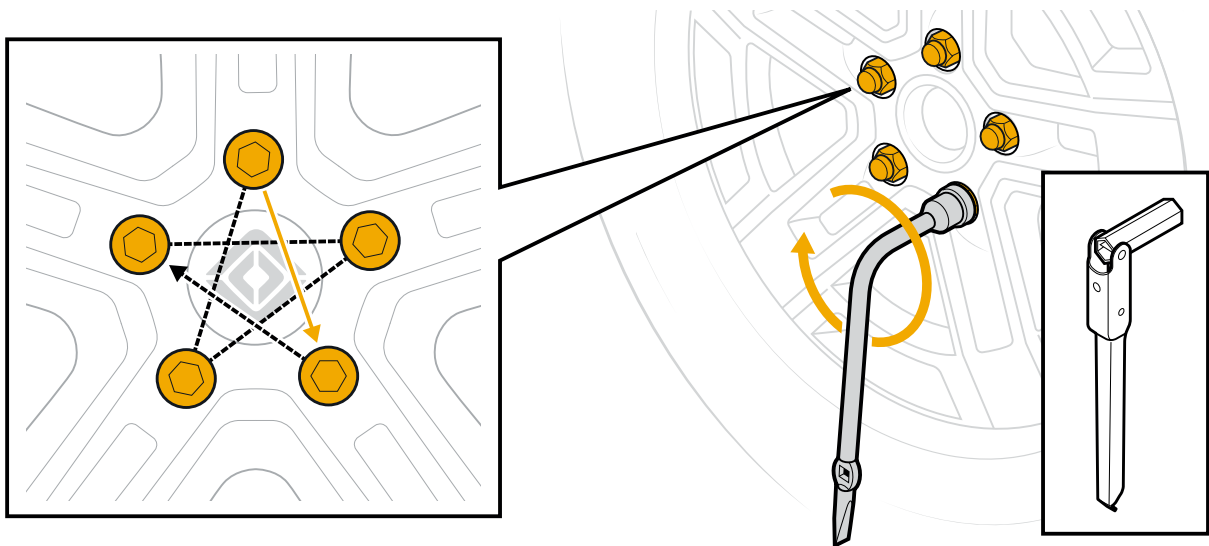
WARNING

Keep your hands and fingers away from the tire during inflation or deflation to avoid a pinch hazard.

- Lower the jack until the tire touches the ground but doesn't carry the full weight of the vehicle.
- Torque the lug nuts in an alternating star pattern to 190 Nm.




NOTES

- If you don't have a torque tool, tighten until the lug nuts can't be turned further.
- The lug nuts are M14 x 1.5.



- Lower the jack until the full weight of the vehicle rests on the tires.
- Remove the tire service kit and wheel chocks.
- If you're using the full-size spare tire, swap the center cap from the removed wheel to the new wheel.

Store the Removed Wheel

- Go to **Settings**  > **Vehicle** > **Service**, and then turn off **Tire Change** mode.
- Lower the vehicle to improve access to the spare tire compartment. Go to **Drive Modes**  > **All-Purpose** , and then choose **Standard** under **Ride Height**.

NOTE

Ensure the area beneath the vehicle is clear before lowering.

CHANGE A TIRE

3. For R1T, store the removed wheel and the tire service kit in the spare tire compartment in the truck bed.
 - a. Place the wheel with the outside of the rim facedown.
 - b. Reinstall the tire service kit retention rod.
 - c. Replace the tire service kit and secure it with the spare tire wing nut.
4. For R1S, store the removed wheel and the tire service kit in the rear cargo area.
 - a. Place the wheel vertically in the spare tire compartment.
 - b. Secure the wheel, tire service kit, and any other cargo.
5. Choose your previous drive mode and ride height.
6. Drive for up to 10 minutes to allow the TPMS sensors to update the tire pressure values.

NOTE

The compact spare tire doesn't have a TPMS sensor. Tire pressure values won't update until the compact spare tire is replaced.

7. Repair or replace the removed tire once you've reached your destination.

Lift the Vehicle with a Non-Rivian Jack

Before you lift the vehicle, you must remove the underbody panels if you don't have a Rivian-supplied tire jack or if you need to lift multiple tires.



CAUTION

Don't place a jack directly on the underbody panels or the vehicle battery.




PREPARE TO LIFT THE VEHICLE

1. Put the vehicle in **Park**.
2. If you're lifting a single tire, secure the vehicle by placing wheel chocks diagonally opposite the tire to be changed.



WARNING

The electronic park brake is only on the rear wheels.
If you lift a rear wheel, the vehicle may roll.

3. Go to **Drive Modes**  > **All-Terrain**  (under **Off-Road** on Quad Motor vehicles), and then choose **Highest** under **Ride Height**.
4. After the suspension has finished adjusting to Highest, go to **Settings**  > **Vehicle** > **Service**, and then turn on **Tire Change** mode.

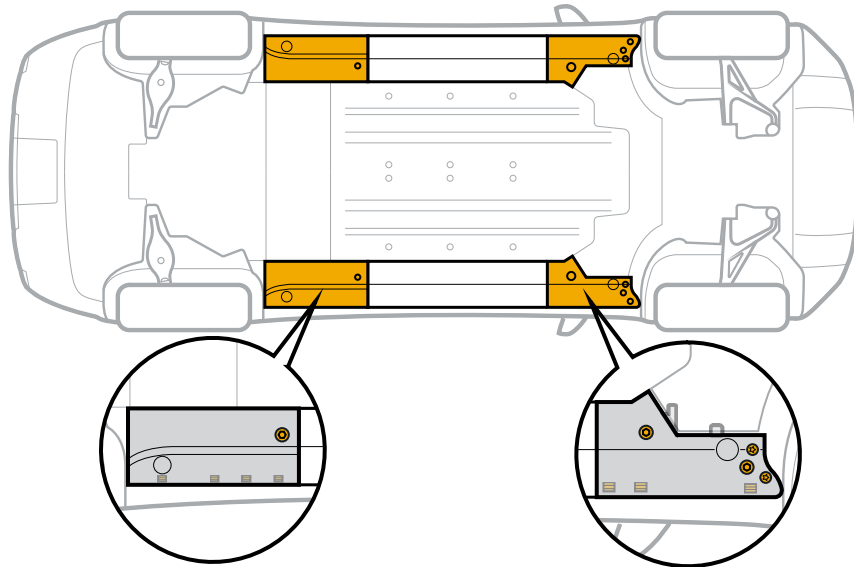
NOTE

When Tire Change mode is on, automatic suspension adjustments pause and ride height can't be changed.

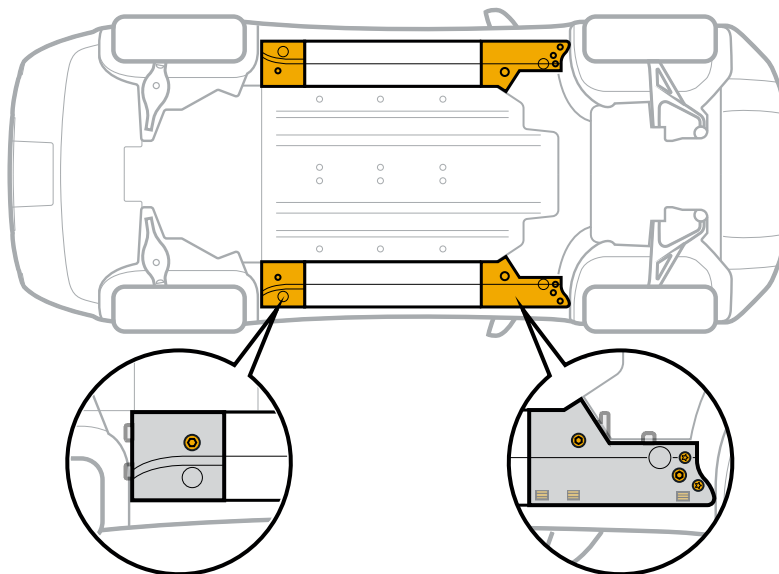
LIFT THE VEHICLE WITH A NON-RIVIAN JACK

5. Remove the underbody panels to access the frame rails. See [Remove the Front Panels](#) (page 25) and [Remove the Rear Panels](#) (page 26).

R1T

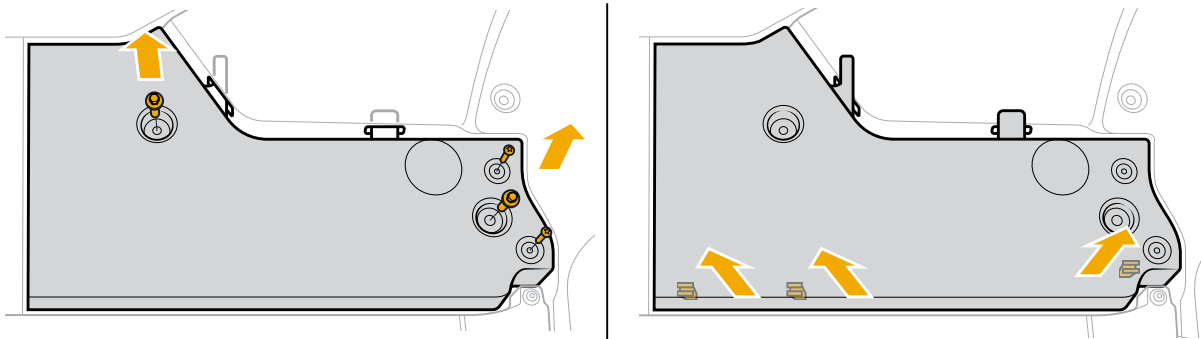


R1S



REMOVE THE FRONT PANELS

1. Remove the four bolts on the front panel.
 - a. Use a T20 Torx screwdriver to remove the two small bolts.
 - b. Use a 10 mm socket to remove the two large bolts.
 - c. Save the bolts for reinstallation.
2. Grab the outer edge of the panel and pull down gently to release the clips.

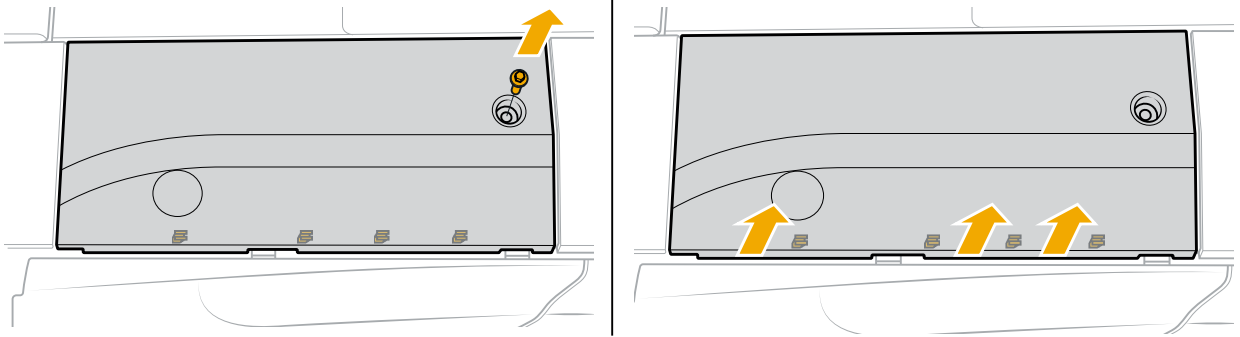


3. Pull down further to remove the panel from the double-sided tape. Save the panel for reinstallation.
4. Repeat for the other front panel as needed.

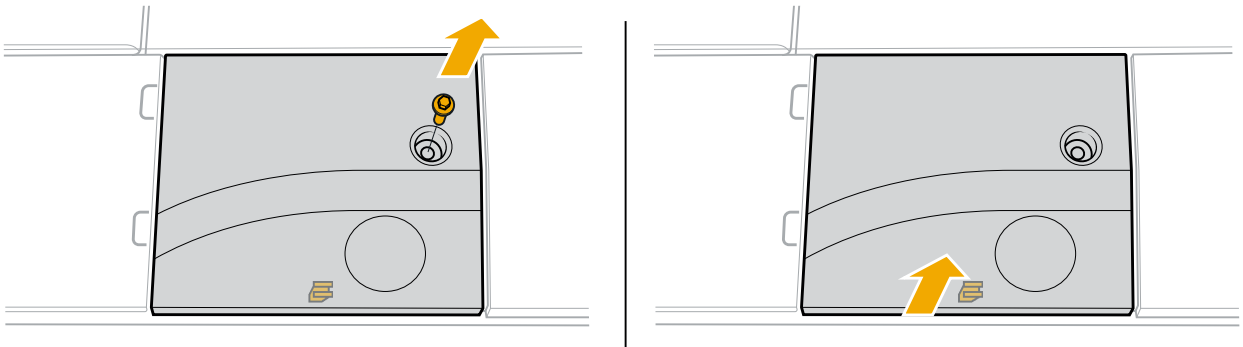
REMOVE THE REAR PANELS

1. Use a 10 mm socket to remove the bolt from the rear panel. Save the bolt for reinstallation.
2. Grab the outer edge of the panel and pull down gently to release the clips.

R1T



R1S

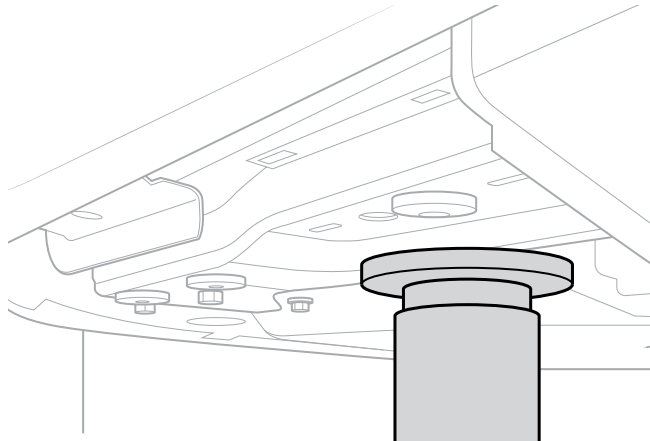


3. Pull down further to remove the panel from the double-sided tape. Save the panel for reinstallation.
4. Repeat for the other rear panel as needed.

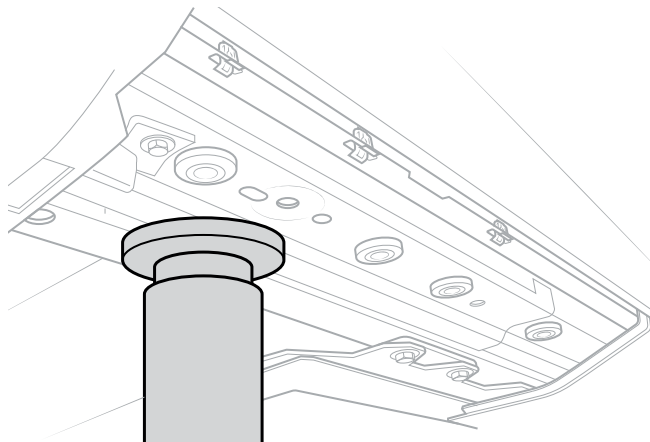
JACK AND LIFT THE VEHICLE

1. Use a jack that is rated to lift at least 3 tons with at least 23 in (59 cm) of range.
2. Use a rubber pad to protect the underbody finish.
3. Place the jack under the lift point on the frame rail.

Front



Rear



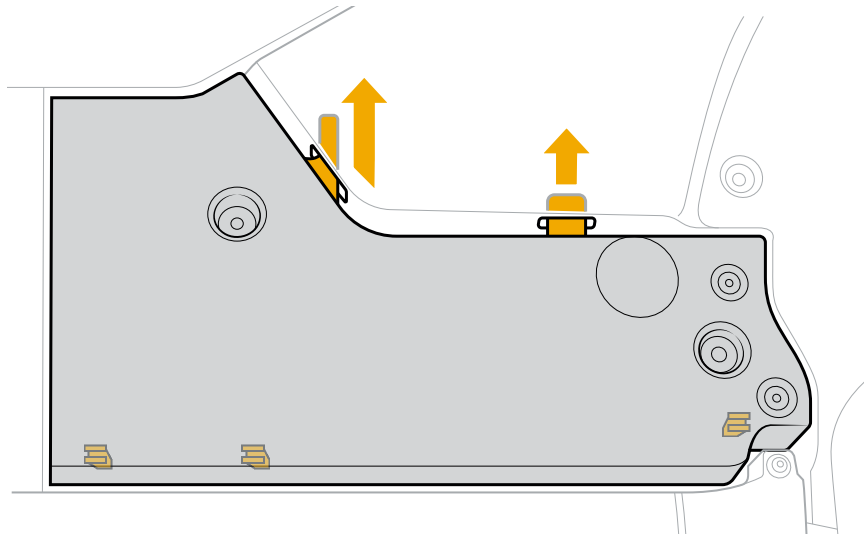
DANGER

Don't place any part of your body under the vehicle while it's lifted.

4. Follow the instructions included with the jack to raise and lower the vehicle.

REINSTALL THE PANELS

1. Clean the frame rail surface with an alcohol swab or wipe to ensure the double-sided tape will adhere.
2. Reinstall the panels.
 - a. Align the tabs on the panel to the slots on the vehicle.



- b. Secure the clips on the panel.

NOTE

If any clips are broken, [contact Rivian](#) to replace the panel. Secure the panel with the remaining clips and bolts until a replacement is available.

- c. Reinstall the large and small bolts on each front panel.
 - d. Reinstall the bolt on each rear panel.
3. Go to **Settings** ⚙️ > **Vehicle** > **Service**, and then turn off **Tire Change** mode.
 4. Choose your previous drive mode and ride height.

Customer Service

Still need help? Connect with us.



Customer Engagement Center

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customerservice@rivian.com
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