

2024+ INEOS GRENAIDER



Properly installing suspension components is essential to ensure the safety and performance of your vehicle. This comprehensive installation guide provides step-by-step instructions for both front and rear suspension components. To guarantee a successful installation, please carefully follow these instructions and gather the necessary tools and equipment beforehand.

Required Tools and Equipment:

- Vehicle Jack or Lift*
- Vehicle Jack Stands*
- Standard Socket/Wrench Set
- Metric Socket/Wrench Set
- Pry Tool

Estimated Time Required:

- Front Suspension: Approximately 0.5 - 1.0 hours
- Rear Suspension: Approximately 0.5 - 1.0 hours

* Ensure Lift/Jack/Stands are rated for vehicle weight

Warnings and Advice

Prioritize Safety:

- Always prioritize safety by wearing appropriate personal protective equipment (PPE), including gloves and safety glasses.
- Perform all work on a stable and level surface and ensure the vehicle is securely supported on jack stands before any work beneath it.
- Never work under a vehicle supported solely by a jack.

Use Proper Tools and Equipment:

- Ensure you have all the necessary tools and equipment before beginning the installation.
- Utilize high-quality, well-maintained tools, as damaged or worn tools can lead to accidents or strips/crossthreads.

Torque Settings Matter:

- Make sure to torque all bolts and fasteners to the manufacturer's specs, as over-tightening or under-tightening can result in component failure or safety hazards.
- Use a calibrated torque wrench to achieve accurate torque settings.

Brake Line Precautions:

- Exercise extreme caution when working near brake lines to prevent damage or stress during installation or removal.
- Post-reinstallation, inspect brake lines for correct routing and secure attachment.

Alignment:

- Ensure proper alignment, critical for vehicle handling and tire wear, by scheduling a professional alignment after suspension component installation.

Handle Threads with Care:

- Treat threads delicately, particularly when dealing with nuts and bolts during installation and removal. Cross-threading or over-tightening can harm threads, compromise safety, and **dramatically** increase install time.

Double-Check Everything:

- Prior to concluding any installation step, verify alignment, torque settings, and the proper seating of components.
- Confirm that all components are correctly reassembled and no steps have been overlooked.

Seek Professional Assistance:

- If you encounter difficulties during the installation, do not hesitate to seek professional assistance.

Regular Maintenance and Inspections:

- After installation, routinely inspect suspension components for wear, loose fasteners, or damage.
- For on road driving, clean with soap and water every couple of months.
- Clean with soap and water after driving off road.
- Apply automotive wax to the bodies to aid in protection and longevity.

Contact Technical Support:

- For questions, concerns, or further assistance during the installation, please contact our customer support for technical assistance.

Radflo Suspension Technology

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Properly installing suspension components is crucial for vehicle safety and optimal performance. Follow these detailed instructions meticulously, adhere to torque specifications, and always prioritize safety during the installation process. For additional information or assistance, contact our customer support team.

Front Suspension Removal

1. Remove the Tire: Picture 1A

- **Tool: M21 Socket**
- Loosen the lug nuts slightly before lifting the vehicle to make them easier to remove.
- **Warning:** Always prioritize safety and use jack stands when lifting a vehicle.

Keep a jack stand under the axle housing while removing and installing shocks.

2. Remove the Lower Shock Mount Bolt: Picture 1B

- **Tool: M24 Socket/Wrench**

3. Remove the Upper Shock Mount Bolt: Picture 1C

- **Tool: M24\1 Socket/Wrench**

4. Remove the Stock Damper:

- Retain all stock hardware

Front Suspension Installation

1. Install Radflo Piggyback: Picture 2A

- **Double-check:** Confirm correct mounting hardware and hose orientation.

2. Install Top Shock Bolt: Picture 2B

- **Tool: M24 Socket/Wrench**

3. Install Lower Shock Bolt and Nut: Picture 2C

- **Tool: M24 Socket/Wrench**
- Place the Reservoir on top of the reservoir bracket, and use the supplied hose clamps to secure the reservoir to the bracket

4. Reinstall the Tire: Picture 2D

- **Tool: M21 Socket/Wrench**
- **Tip:** Tighten lug nuts in a star pattern for even pressure.
- **Double-check:** Torque the lug nuts to manufacturer specifications and recheck after driving.

IF APPLICABLE:

Front Steering Damper Removal

1. Remove the Outboard Damper Mount Bolt and Sleeve: Picture 5A
 - Tool: M18 Socket/Wrench
2. Remove the Inboard Damper Mount Bolt: Picture 5B
 - Tool: M21 Socket/Wrench
3. Remove the Stock Steering Damper:
 - Retain all stock hardware

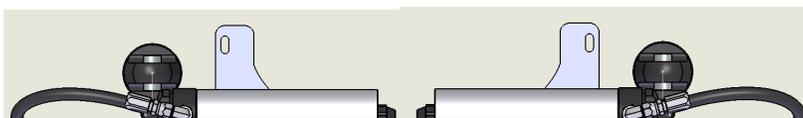
Front Steering Damper Installation

1. Install Radflo Steering Damper
 - Tip: Ensure Valve Faces Front of Vehicle
2. Install the Outboard Damper Mount Bolt and Sleeve: Picture 6A
 - Tool: M18 Socket/Wrench
3. Remove the Inboard Damper Mount Bolt: Picture 6B
 - Tool: M21 Socket/Wrench

REMOTE RESERVOIR FRONT SHOCKS ONLY:

- Utilize a strut spring compressor, or droop out front suspension until front spring is loose.
 - Removing the spring completely will make the next steps easier
- Place Supplied Reservoir Bracket on Top of the Coil-Bucket
 - Use supplied 8mm Hex Screws, Washers, and Nuts to locate the slots in the bracket and secure to the holes in the coil-bucket
 - Put the 8mm Hex Screw in from the top with a washer. Secure with a Washer and Nut on the Bottom Side

Before fully tightening, slide Reservoir Bracket "outward" or away from the frame.



Rear Suspension Removal:

1. Remove the Tire: 3A

- Tool: M21 Socket
- Loosen the lug nuts slightly before lifting the vehicle to make them easier to remove.
- **Warning:** Always prioritize safety and use jack stands when lifting a vehicle.

Keep a jack stand under the axle housing while removing and installing shocks.

2. Remove Lower Shock Bolt and Nut: Picture 3B

- Tools: M24 Wrench/Socket

3. Remove the Top Shock Mount Nuts (x2): Picture 3C

- Tools: M18 Wrench/Socket

4. Remove the Stock Shock

5. Remove Top Shock Mount Bolt: Picture 3D

- Tools: M24 Wrench/Socket (x2)

Rear Suspension Installation:

1. Check Rear Shock Orientation: Picture 4A

2. Install Top Shock Mount onto Radflo Piggyback: Picture 4B

- **Double-check:** Confirm correct mounting hardware and hose orientation.
- Tools: M24 Wrench/Socket (x2)

3. Install Top Shock Mount Nuts (x2): Picture 4C

- Tool: M18 Socket/Wrench

4. Install Lower Shock Bolt and Nut: Picture 4D

- Tool: M24 Socket/Wrench

5. Reinstall the Tire: Picture 4E

- Tool: M21 Socket/Wrench
- **Tip:** Tighten lug nuts in a star pattern for even pressure.
- **Double-check:** Torque the lug nuts to manufacturer specifications and recheck after driving.

Appendix:

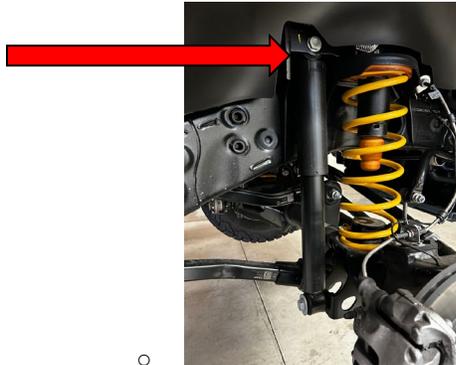
- Pictures referenced in the instructions:

- Picture 1A



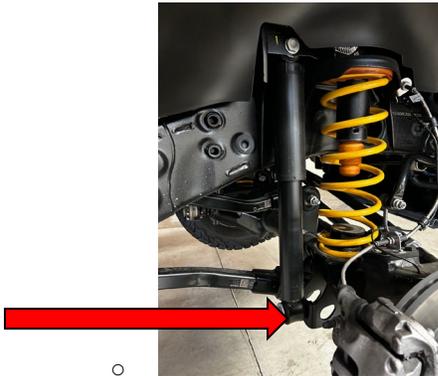
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- Picture 1B



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- Picture 1C



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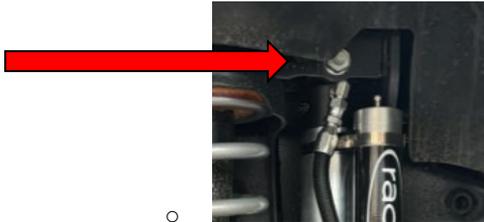
- Pictures 2A (Piggyback Style)

PASSE
NGER
SIDE

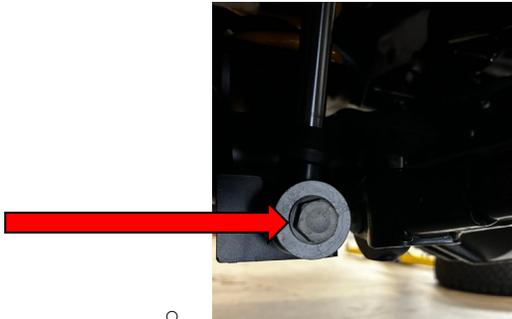


DRIV
ER
SIDE

-
- Picture 2B



-
- Picture 2C



-
- Picture 2D



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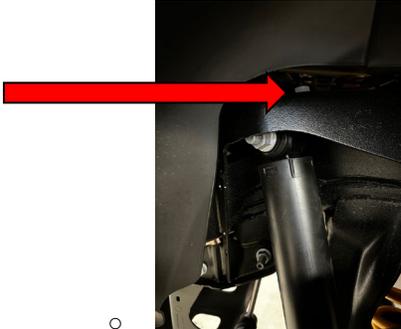
○ Picture 3A



○
○ Picture 3B



○
○ Picture 3C



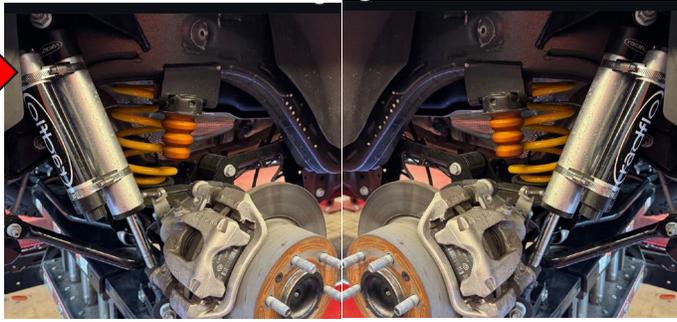
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○ Picture 3D



○

- Pictures 4A

**PASSE
NGER
SIDE**



**DRIV
ER
SIDE**

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- Picture 4B



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- Picture 4C and 4D

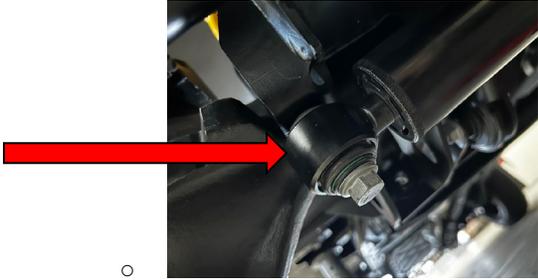


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- Picture 4E

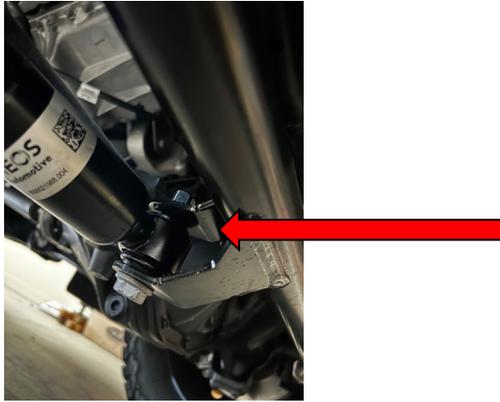


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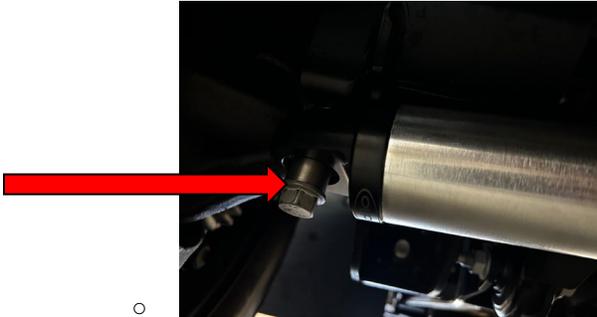
○ Picture 5A



○ Picture 5B



○ Picture 6A



○ Picture 6B

