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› [TECHPICCO](#) /

› TECHPICCO Hood Struts Installation and User Manual for Toyota Tacoma (2024-2026) and 4Runner (2025-2026)

TECHPICCO YQCG-TACO24+-2-R

TECHPICCO Hood Struts Instruction Manual

Model: YQCG-TACO24+-2-R

1. PRODUCT OVERVIEW

The TECHPICCO Hood Struts are designed to replace the factory hood prop rod on Toyota Tacoma (2024-2026) and Toyota 4Runner (2025-2026) vehicles. This system utilizes gas-charged cylinders and custom brackets to automatically lift and hold the hood open, providing improved access to the engine bay.



Figure 1: TECHPICCO Hood Struts installed on a vehicle.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 2x Hood Struts (Gas Cylinders)
- Mounting Brackets
- Hardware Kit (bolts, washers, clips)
- Installation Instructions (this manual)



Video 1: Unboxing and overview of the TECHPICCO Hood Struts components.

3. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow these guidelines may result in injury or damage to your vehicle.

- Ensure the vehicle is parked on a level surface with the engine off and the parking brake engaged.
- Use appropriate personal protective equipment, such as safety glasses and gloves.
- Keep the hood securely propped open with the factory prop rod or a suitable support during installation to prevent accidental closure.
- Do not attempt to compress the gas struts manually without them being installed, as they are under high pressure.
- If you are unsure about any step, consult a qualified mechanic.

4. INSTALLATION GUIDE

This hood strut kit is designed for a bolt-on installation, requiring no drilling. The estimated installation time is 30 minutes or less.

Tools Required:

- 12mm Socket Wrench
- Optional: 12mm Open-ended Wrench

Installation Steps:

1. **Prepare the Hood:** Open the vehicle's hood and secure it using the factory prop rod.
2. **Install Upper Brackets:** Locate the existing bolts on the hood hinge area. Remove the specified bolts and install the upper mounting brackets using the provided hardware. Ensure the brackets are oriented correctly.



Figure 2: Attaching the upper mounting bracket to the hood.

3. **Install Lower Brackets:** Identify the factory attachment points in the engine bay. Remove the existing bolts and install the lower mounting brackets. For some Tacoma models, an Intelligent Battery Sensor (IBS) wire may need slight repositioning to accommodate the bracket.



Figure 3: Repositioning the IBS sensor wire if necessary.

4. **Attach Hood Struts:** With the brackets securely installed, attach one end of a hood strut to the upper ball stud on the hood bracket and the other end to the lower ball stud on the engine bay bracket. Repeat for the second strut. Ensure the struts click firmly into place.
5. **Test Operation:** Carefully remove the factory prop rod. Slowly lower and raise the hood to confirm the struts operate smoothly and hold the hood securely in the open position.

UPGRADED CYLINDER

*Body*Sealling Treatment*

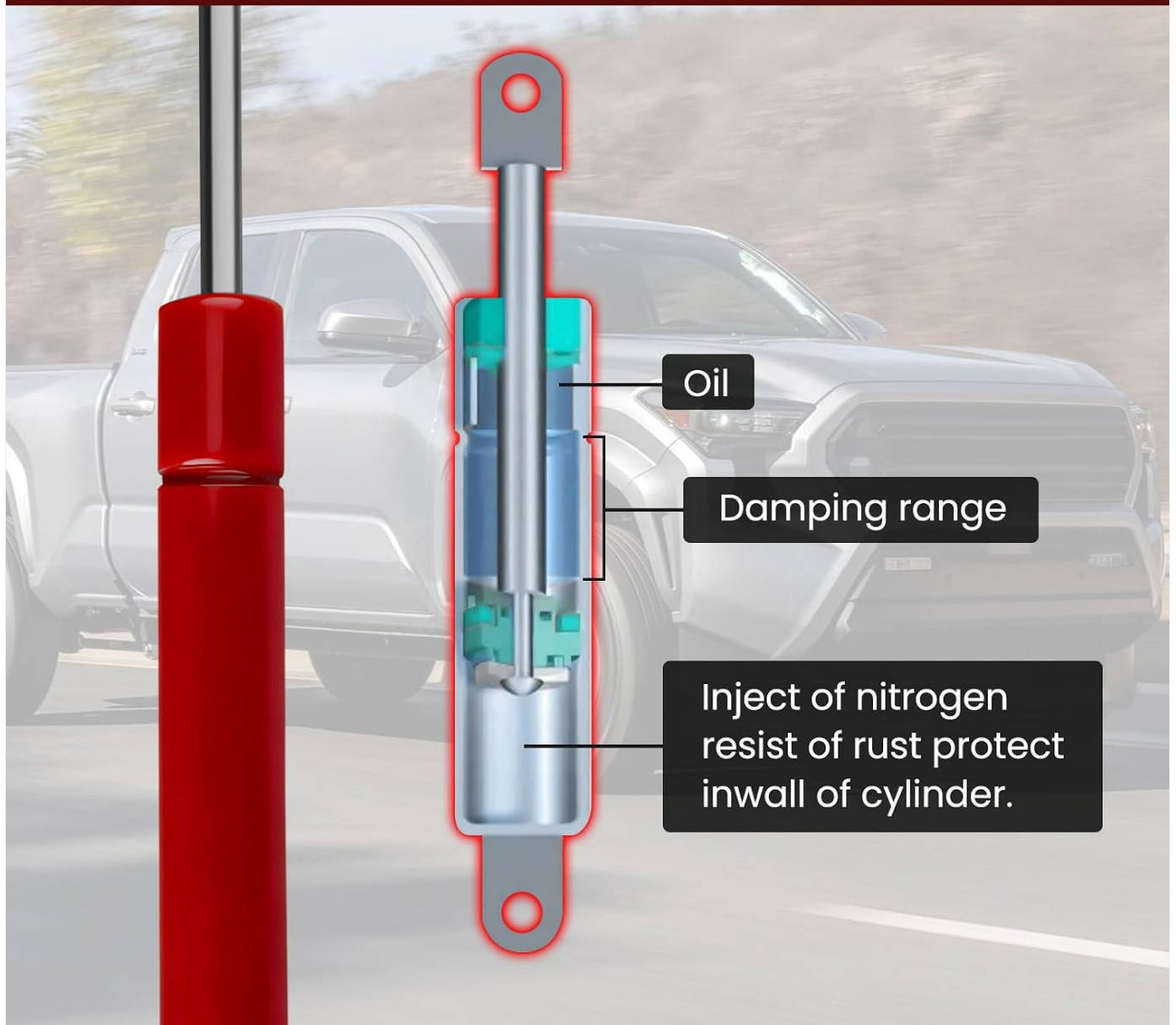


Figure 4: Various views of the hood struts after installation.



Video 2: Step-by-step demonstration of the hood strut installation.

5. OPERATING INSTRUCTIONS

Once installed, operating your hood with the TECHPICCO Hood Struts is straightforward:

- **Opening the Hood:** Release the hood latch from inside the vehicle. Lift the hood slightly, and the gas struts will assist in raising it to its fully open position.
- **Closing the Hood:** Apply a firm, steady downward pressure on the hood until the struts begin to compress. Continue pressing down until the hood latch engages securely. Avoid slamming the hood.

HOOD LIFT SUPPORT FOR TACOMA 2024 2025+ & 4Runner 2025+



Figure 5: Comparison of hood support methods.

6. MAINTENANCE

The TECHPICCO Hood Struts are designed for durability and require minimal maintenance. Follow these guidelines to ensure long-lasting performance:

- **Regular Inspection:** Periodically check the struts and mounting points for any signs of wear, damage, or loose connections.
- **Cleaning:** Keep the strut rods clean from dirt and debris. Wipe with a clean, damp cloth if necessary. Avoid using harsh chemicals or abrasive materials.
- **Lubrication:** No lubrication is typically required for gas struts. Do not apply grease or oil to the piston rod, as this can attract dirt and damage the seals.
- **Temperature Effects:** Gas struts may perform slightly differently in extreme cold or heat. This is normal and does not indicate a defect.

7. TROUBLESHOOTING

If you encounter issues with your hood struts, consider the following common solutions:

- **Hood Not Staying Up:**
 - Ensure both struts are properly attached to their ball studs.
 - Check for any obstructions preventing the hood from fully opening.
 - Inspect struts for signs of leakage or damage; replace if necessary.
- **Hood Difficult to Close:**
 - Verify that the struts are correctly installed and not binding.
 - Ensure the hood latch mechanism is functioning correctly.
 - New struts may require a few cycles to break in and operate optimally.
- **Unusual Noises:**
 - Check all mounting bolts for tightness.
 - Ensure no components are rubbing against each other or other parts of the vehicle.

8. SPECIFICATIONS

Key specifications for the TECHPICCO Hood Struts:

Brand	TECHPICCO
Model Number	YQCG-TACO24+-2-R
Compatibility	Toyota Tacoma 2024-2026, Toyota 4Runner 2025-2026
Material	Durable 3mm carbon steel brackets, thickened steel pipe cylinder body, QPQ treated piston rod
Installation Type	No-drill, bolt-on
Item Weight	Approximately 1.28 pounds (total package)
Package Dimensions	16.38 x 3.31 x 1.34 inches

FULLY BOLT ON
No drill 15 minnutes installation



Figure 6: Components and construction details of the hood struts.

PERFECTLY CRAFTED STRUCTURE



Connectors

Molded ABS-plastic connectors improve durability.



Cylinder Body

Made of thickened and dense steel pipe, high pressure, high load bearing durable.



Piston Rod

QPQ treatment on the surface, low friction-during stretching and shrinking, no jamming.



Ball Mount Plate

The surface is painted to prevent scratches as well as rusting.

Figure 7: Internal structure of the upgraded cylinder.

9. WARRANTY AND SUPPORT

For warranty information, product support, or assistance with installation and troubleshooting, please contact TECHPICCO Gear Store directly through your purchase platform or their official website. Refer to your purchase documentation for specific return and warranty policies.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question