

RIDE

SHOCKS™

INST-1000-024

Shackle Hanger & Cross Bar 2005-2023 Toyota Tacoma Installation Guide | SKU: 313002201, 313002101



www.RideShocks.com

A FEW WORDS ON PRODUCT SAFETY AND MESSAGING:

Motor vehicles and off road motor sports/use involve high levels of risks and variables including speed, terrain, overall suspension component choice, driver behavior and other variables outside Ride Shocks knowledge or influence. It follows that we are unable to foresee every combination of variables and these installation instructions do not reflect all product safety information which may be required to reduce risk of accident or injury related to your vehicle and selected modifications.

Before installation, please review the following safety information and installation instructions. Within these Instructions important safety information is generally preceded by one of three signal words indicating the relative risk of injury.

The signal words mean:

⚠️ WARNING A hazardous situation which, if not avoided, could result in death or serious injury. You **CAN** be Killed or Seriously Hurt if you don't follow instructions.

⚠️ CAUTION A hazardous situation which, if not avoided, could result in minor or moderate injury. You **CAN** be moderately HURT and also may suffer property damage if you don't follow instructions.

NOTICE Careful attention is required to this instruction or operation but does generally not relate to personal injury. Damage to your Ride Shocks product or other property may result if you don't follow instructions.

⚠️ WARNING Suspension Modified with Tuned Shock Components/Higher Risk of Roll-over or Other Accident

⚠️ WARNING: HIGHER ROLLOVER RISK		
	Avoid Excessive Speeds, Abrupt Maneuvers, Surfaces/Obstacles Which May Induce a Tripping Moment. All Occupants Buckle UP & USE Supplemental Restraints.	

The suspension of this vehicle has been optimized for off-road utility through installation of Ride Shocks products, which may increase ride height, modify damping/rebound and other suspension parameters. The suspension feel and handling may be different than an unmodified vehicle.

To reduce risk of roll-over or other accident always:

- Routinely inspect suspension components. **IF DAMAGED, DO NOT USE UNTIL REPAIRED OR REPLACED.**
- Do Not modify or substitute components of the Ride Shocks suspension products.
- Use of oversize tire/wheel combinations may increase stopping distances, ride height and/or compromise performance of vehicle stability control and other systems.
- Many states have restrictions on height and suspension modifications for highway use vehicles. Owners & drivers are exclusively responsible for construction and compliance of their vehicles.
- For additional safety messaging consult your OEM owners manual and off road supplements.

⚠️ WARNING (CA residents) Cancer and Reproductive Harm - www.P65Warnings.ca.gov. Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see: <https://www.p65warnings.ca.gov/fact-sheets/motor-vehicle-parts>.

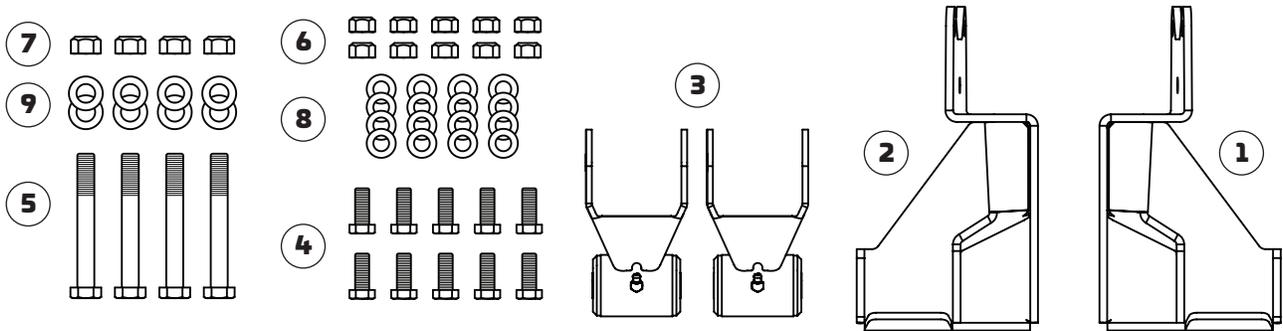
Read and follow all instructions and understand all safety messaging before beginning Installation. This installation requires intermediate mechanical skills and should be performed by a professional mechanic with access to a lift and means of securing the vehicle.

WARRANTY:

No Warranty. There is no warranty, express or implied, other than as expressly set forth or referred to herein and, in particular, neither Party makes any warranties to each other or any other person or entity, whether express, implied or statutory, as to the description, quality, merchantability, completeness or fitness for any purpose of any services, products or information provided hereunder or described herein, or as to any other matter all of which warranties are hereby excluded and specifically disclaimed.. **THE SAFETY, EFFECTIVENESS, AND PERFORMANCE OF THIS PRODUCT IS DIRECTLY RELATED TO THE MANNER IN WHICH IT IS INSTALLED, USED, AND/OR MAINTAINED. THE USER ASSUMES ALL RISK.**

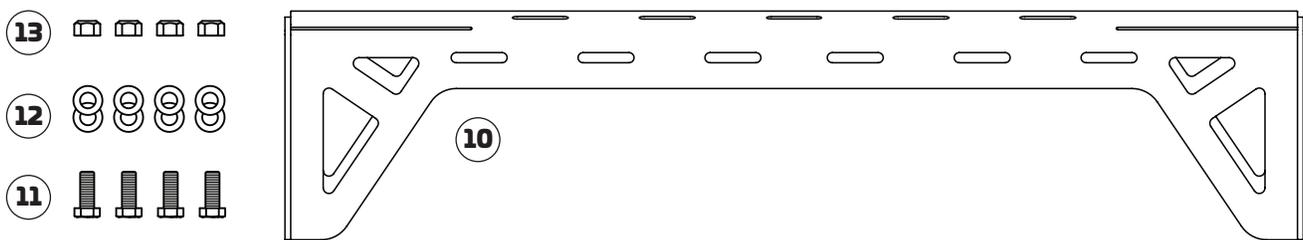
313002201 - SHACKLE HANGER PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #
1	1	Shackle Hanger Assembly, Left (Driver side)	2000-077-OL-21
2	1	Shackle Hanger Assembly, Right (Passenger side)	2000-077-OR-21
3	2	Shackle Assembly	7122-001-89
4	10	Hex Bolt, M12 x 1.50 x 30MM	3003-010 (Hardware Kit)
5	4	Hex Bolt, M14 x 1.50 x 110MM	3003-010 (Hardware Kit)
6	10	Locking Nut, M12 x 1.50	3003-010 (Hardware Kit)
7	4	Locking Nut, M14 x 1.50	3003-010 (Hardware Kit)
8	16	Flat Washer, M12	3003-010 (Hardware Kit)
9	8	Flat Washer, M14	3003-010 (Hardware Kit)



313002101 - CROSS BAR PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #
10	1	Shackle Hanger Cross Brace	2000-080-21
11	4	Hex Bolt, M12 x 1.50 x 30MM	3003-011 (Hardware Kit)
12	4	Locking Nut, M12 x 1.50	3003-011 (Hardware Kit)
13	8	Flat Washer, M12	3003-011 (Hardware Kit)



TOOLS NEEDED



Sockets / Wrenches: 19mm, 22mm

Equipment: Safety Glasses, Floor Jack & Jack Stands, Angle Grinder w/Cut-Off Wheels & Sanding Disc, Drill, 1/2" & 1/4" Drill Bits, Large Hammer, Center Punch, 1/4" Punch, Vice Grips

INSTALLATION INSTRUCTIONS

1. Park truck on flat level surface. Jack up the rear of the truck so tires are off the ground, and place tall jack stands under frame.

⚠️ WARNING 2. Lower axle and rest axle on jack stands so there is no load on the leaf springs. Remove rear wheels.

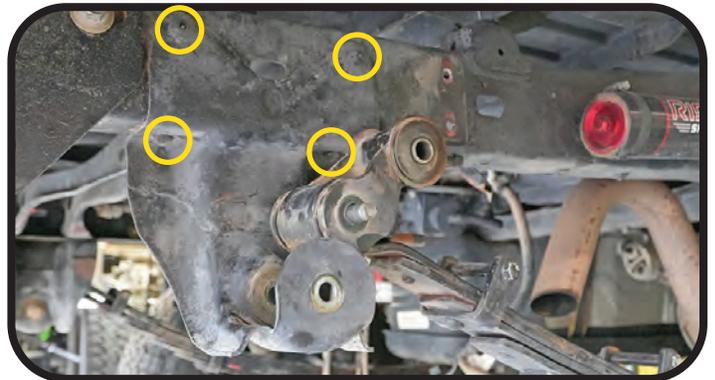
3. Remove factory spare tire from under the truck.



4. Using 19mm socket and wrench, remove shackle bolts from factory shackle.



⚠️ WARNING 5. Locate 4 rivets holding hanger onto frame and use angle grinder to sand down the head of each rivet until they are flush with the frame.



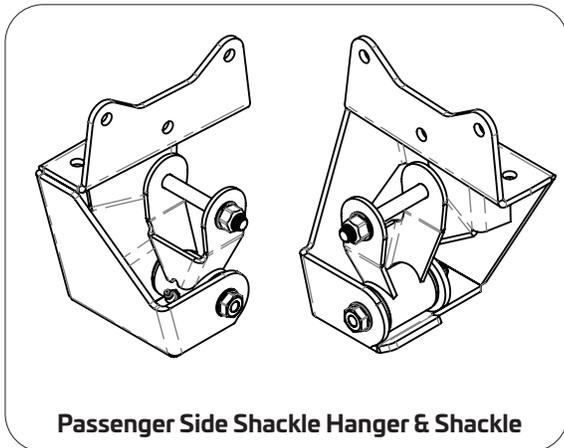
6. Use 1/4" drill bit to drill most of the way through the rivets. Use punch and hammer to remove rivets.

NOTICE

7. The lower 2 rivets on the shackle hanger have washers welded to the inside of the frame. Before drilling out, clamp washers in place with vice grips. These washers will be re-used. Use hammer and punch to remove both rivets.

8. Remove factory shackle hanger from truck.

9. Use 1/2" drill bit to drill out all 4 holes.



10. Place new shackle hanger in position using supplied M12 x 1.50 x 30MM and mark hole for drilling.

11. Remove the hanger from frame, center punch hole and drill with 1/2" drill bit.

12. Clean frame and use touch up paint before permanently mounting new shackle hanger.

13. Mount shackle hanger to frame using supplied M12 x 1.50 x 30MM bolts, washers and nuts. The (2) lower rivet holes re-use factory welded washer on the inside of the frame and only use 1 supplied washer for each bolt.

NOTICE

14. If you are installing the cross brace, do not torque shackle hanger bolts yet. Leaving them loose will help with installing the cross brace.



NOTICE

15. If you are not installing cross brace, torque all 5 shackle hanger bolts to 80 ft-lb.

16. Connect shackle to leaf springs first, then mount to shackle hanger using supplied Hex Bolt, M14 x 1.50 x 110MM, washers and lock nut.

NOTICE

Shackle and bolt orientation must match what's shown in the images.

17. Torque shackle bolts to 89 ft-lb

Now is the time to repeat steps 4-17 on the opposite side.

INSTALLING CROSS BRACE

18. Attach cross brace to shackle hangers using supplied Hex Bolt, M12 x 1.50 x 30MM, washers and nuts. Torque cross brace bolts to 80 ft-lb.

19. Torque all shackle hanger bolts to 80 ft-lb.

20. Grease shackles (SuperLube silicon grease with PTFE)

21. Reinstall anything that was removed to help gain access to shackle hanger

22. Double check everything is torqued before test drive.

NOTE: check shackle hanger drain holes periodically to keep clean

