

RIDE

SHOCKS™

INST-1000-023

2024+ Toyota Tacoma Front Upper Control Arm

Installation Guide | SKU: 311101311



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 Ride Shocks is 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:

3 YEAR / 50,000 MILES WORRY-FREE LIMITED WARRANTY

For warranty details please see: www.rideshocks.com/terms-conditions

PRODUCT REGISTRATION:

To register your product, visit: www.rideshocks.com/product-registration

Benefits include:



(scan to register products)

- Information about product updates/valuable safety notices.
- Access to product installation videos/updated installation guides.
- Fast-tracked customer support.
- Option to opt-in to special customer incentives/discounts.

ALIGNMENT:

Arrange for a professional alignment to be done on this vehicle once installation has been completed.

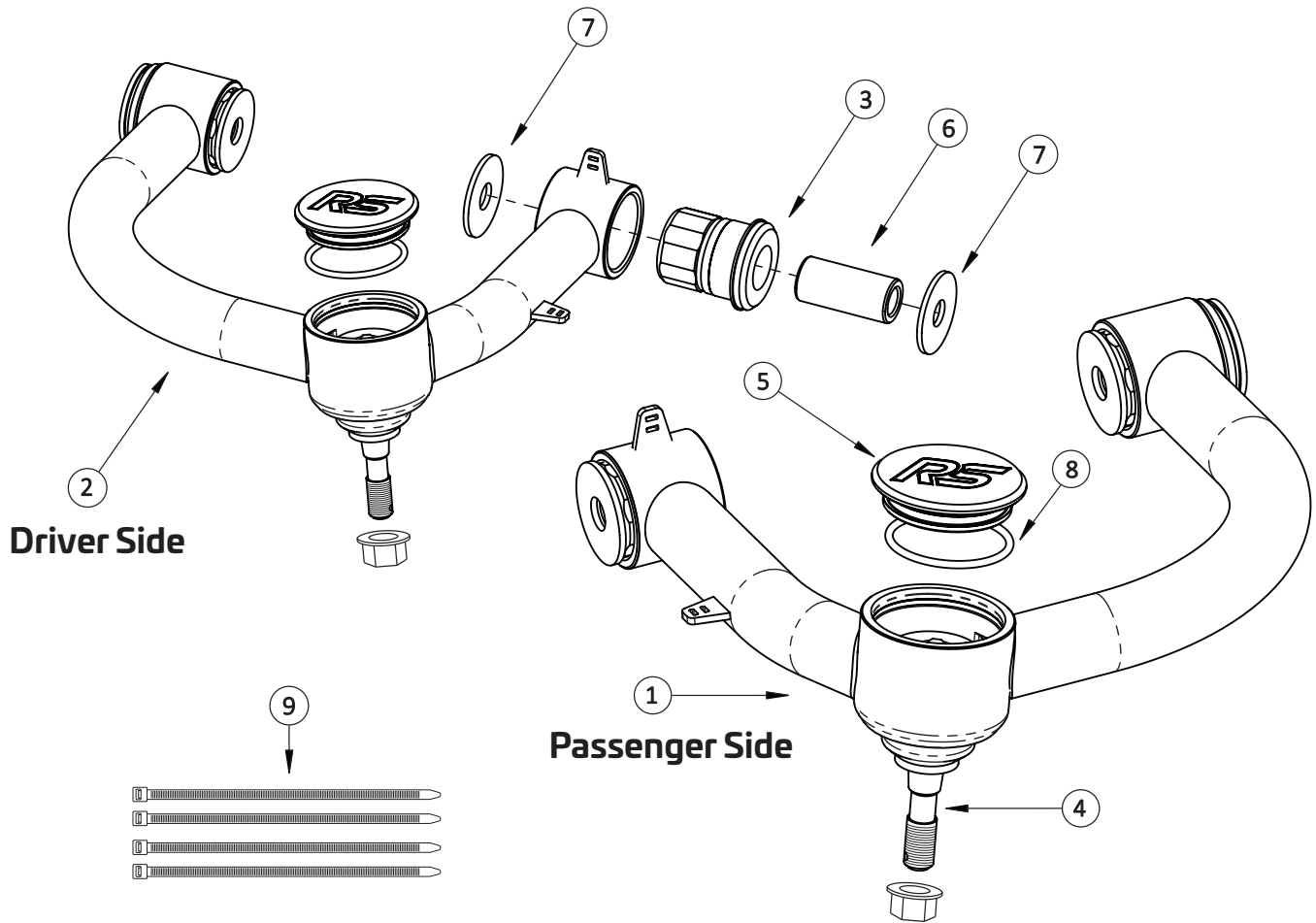
Read all instructions from start to finish before beginning the installation process. Confirm you have all tools necessary to complete the job.

SERVICE:

More information can be found at www.rideshocks.com/service or by calling (619) 810-9740 and speaking to one of our service technicians.

Basic service should be done every 50,000 miles of street use or less in combination with occasional off-road use.

If you have any questions or concerns, please contact us directly.



PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #
1	1	UCA, 24+ Tacoma, Bushing & BJ, Right, Powdercoated	2002-029-OR-21
2	1	UCA, 24+ Tacoma, Bushing & BJ, Left, Powdercoated	2002-029-OL-21
3	4	Bushing, Flanged, 46mm X 27mm X 58.5mm	2005-008
4	2	Ball Joint, Directional, 24+ Tacoma, 22+ Tundra	2003-006
5	2	Ball Joint Cover, Black	2002-032-1
6	4	Sleeve 27mm X 16mm X 58.5mm	2006-006
7	8	Washer 50mm X 16mm X 3mm	6101-009
8	2	O-Ring, NBR, 70A, General Purpose, -227	6102-000-227
9	4	Cable Tie, Black, 40lb, UV Resisant, .14" Wide x 5.00" Long	3000-027-19-500



TOOLS NEEDED

Sockets / Wrenches: 14mm, 22mm

Equipment: Safety Glasses, Floor Jack & Jack Stands, Torque Wrench, Needle Nose Pliers, Large Hammer, Pry Bar, Ball Joint Separator Tool SKU: 99849

UCA REMOVAL:

⚠ WARNING 1. Park vehicle on level ground. Use a floor jack to raise the front of the vehicle tall enough for tires to be off the ground. Place the jack stands under the frame to support the vehicle. NEVER get beneath a vehicle until you have fully ensured that the vehicle is completely secure and stable.

2. Remove the front wheels.

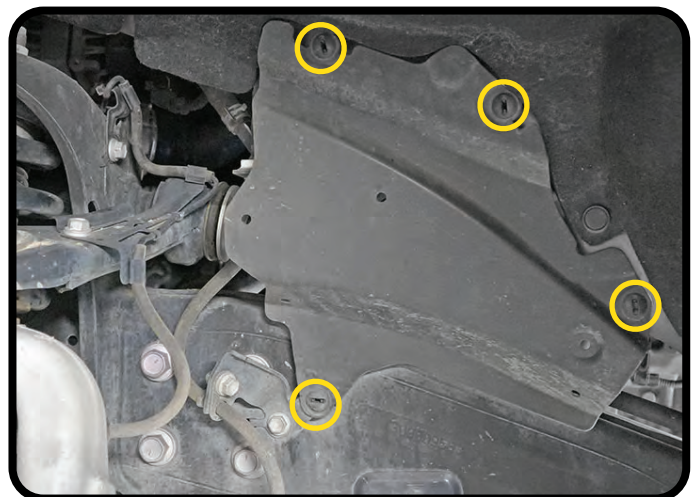
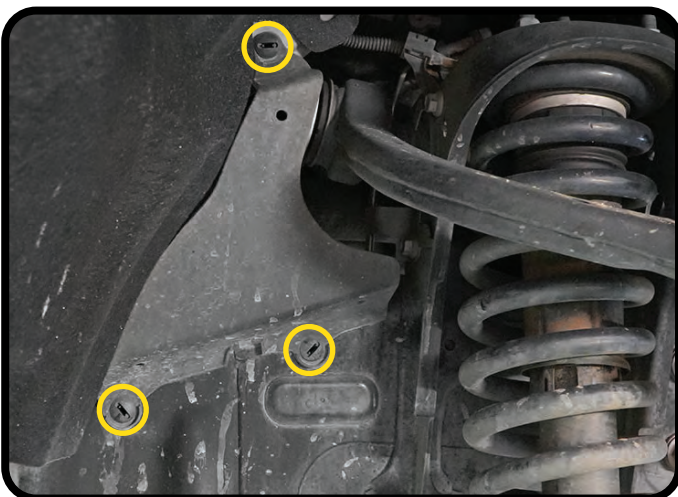
3. Disconnect ABS wiring from upper control arm by prying open the clamps holding the wiring to the upper control arm.

⚠ CAUTION

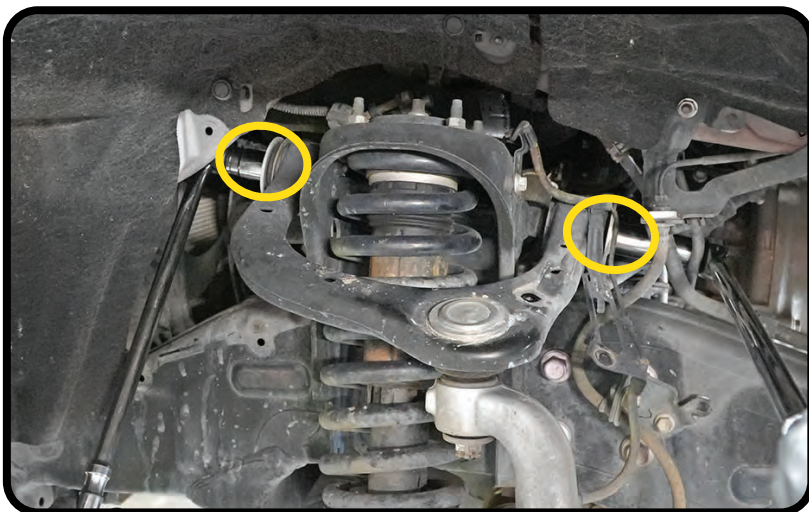
Be careful to not damage wiring.



4. Use needle nose pliers to remove the inner fender liner clips.



5. Using 22mm socket or wrench, loosen upper control arm cross bolt. Do not remove yet.

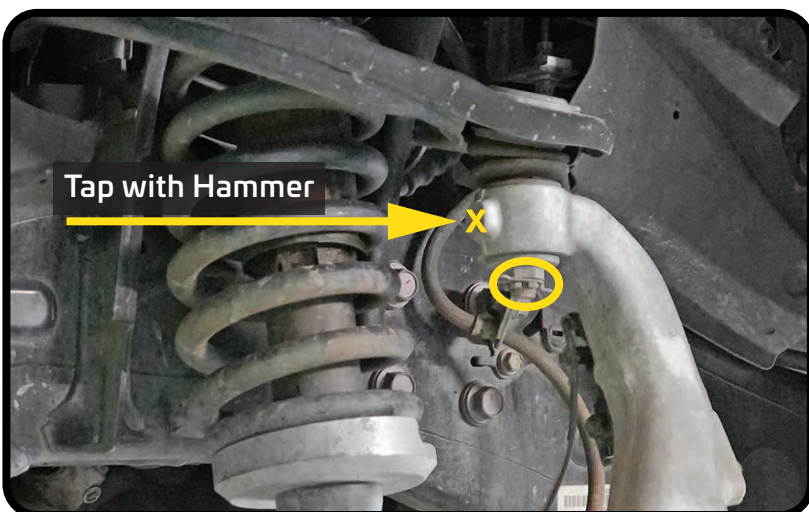


6. Remove ball joint castle nut retaining pin from stock ball joint stud and use a 19mm socket wrench to loosen castle nut. Do not remove castle nut, just loosen it.

⚠ WARNING

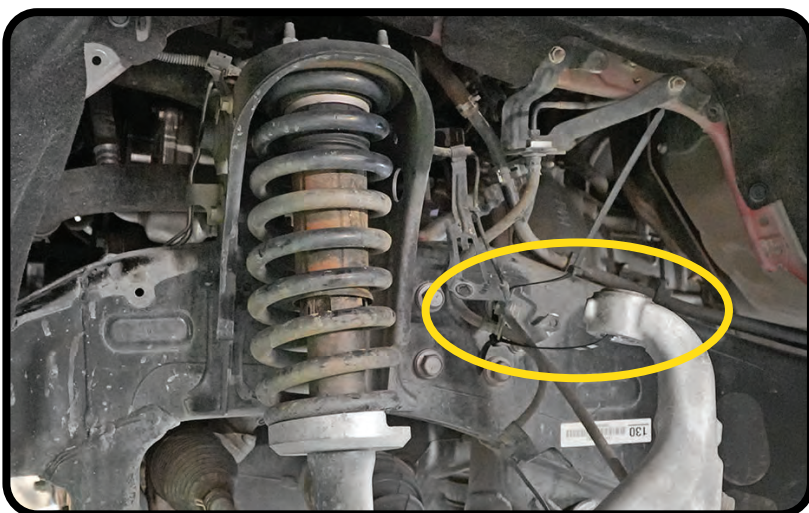
7. Use a Ball Joint Puller tool to dislodge the ball joint stud from the spindle. This method is highly recommended to avoid damage.

If you don't have a Ball Joint Puller Tool, carefully tap the side of the steering knuckle with a hammer until the taper releases, then remove the castle nut.

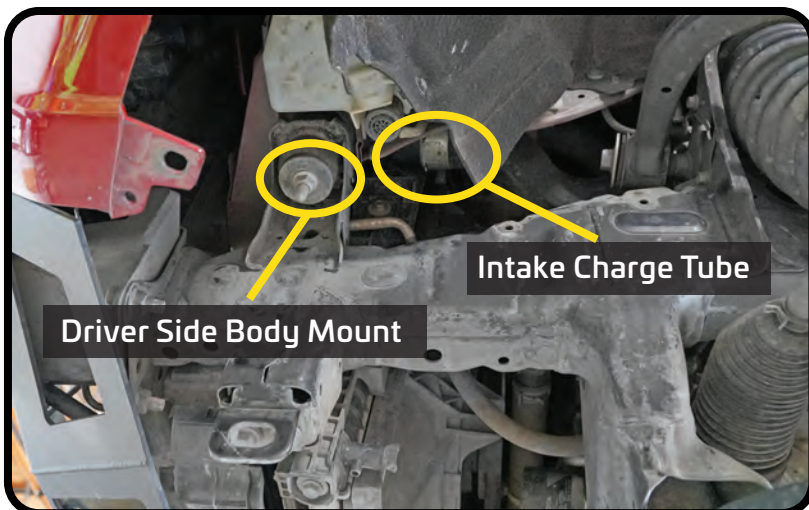


⚠ WARNING

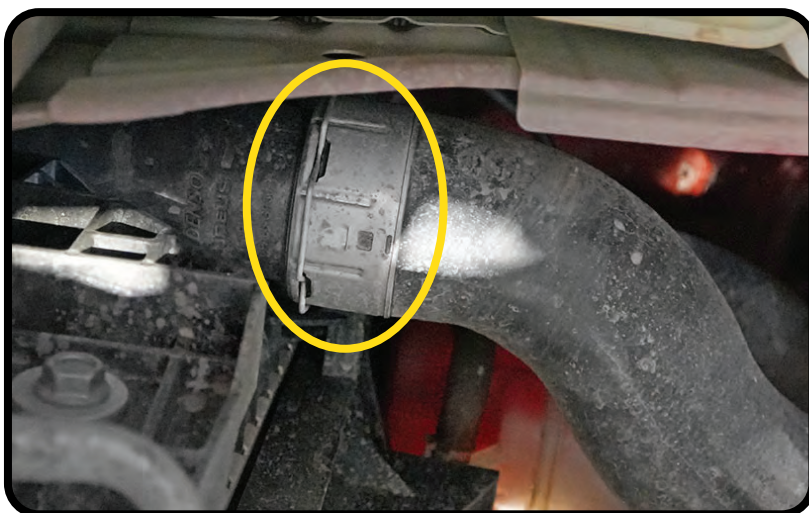
8. Secure the knuckle with a strap to prevent it from falling outward and potentially pulling the inner CV joint out of place.



9. Locate the intake charge tube under driver side frame rail.



10. Unclip the snap ring that connects the intake charge tube to the intercooler.



11. Once the charge tube is disconnected, move it out of the way so you can access the upper control arm cross bolt.

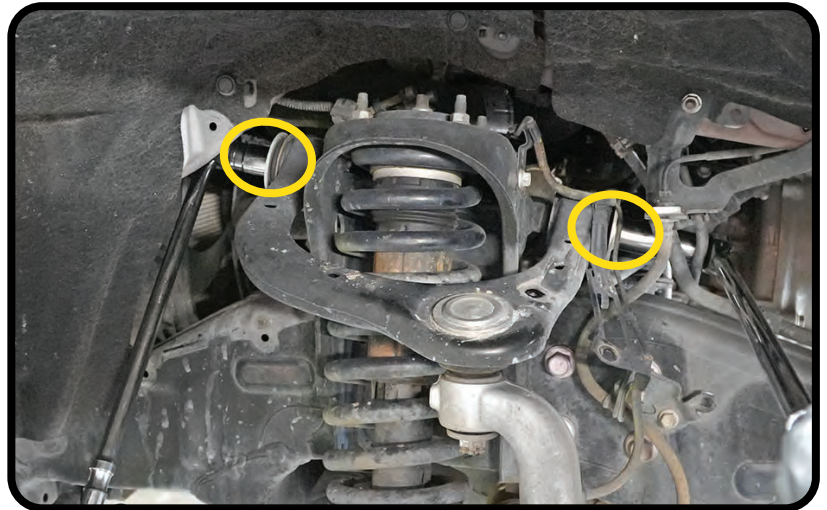
12. Loosen front body mount bolt with 14mm socket. It's not necessary to remove the nut completely.



13. Use 22mm socket or wrench to remove upper control arm cross bolt.

14. With charge tube disconnected and body mount loosened, use a pry bar in between body to help make space for the cross bolt to be removed. Remove cross bolt.

If you are replacing the coilover shocks, now is the time to install those.



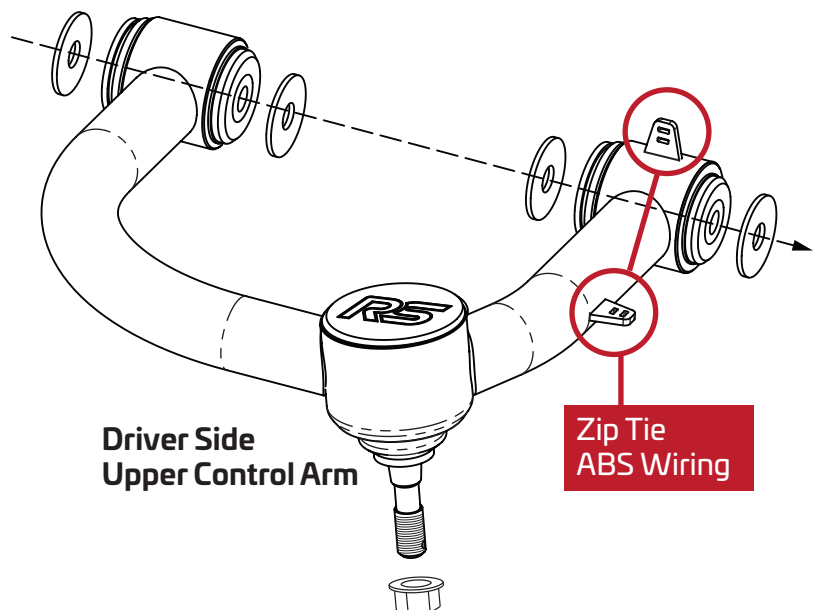
UCA INSTALLATION:

15. Install new upper control arm in place with supplied washers on each side of the bushing. Torque cross bolt nut to 136 ft/lb.



16. Reconnect upper control arm to spindle and torque the supplied ball joint nut to 92 ft/lbs.

17. Secure ABS wiring to upper control arm tabs using the (2) supplied zip ties.



Finishing steps for Driver side

18. Reconnect charge tube to intercooler.
19. Use 14mm socket to tighten body mount nut to factory specs.
20. Re-install inner fender liners.

*Repeat these steps for passenger side.
Skip steps 9-12.*

21. Take vehicle to get a professional alignment done and reference alignment notes below.
22. Re-torque hardware after 500 miles.



ALIGNMENT NOTES:

Note to alignment tech: This customer is trying to fit larger tires than factory. We recommend starting the alignment with the factory cam settings.

	LEFT	RIGHT
Camber	-0.2° to 1.0°	-0.2° to 1.0°
Cross Caster	0.3° Max Diff	0.3° Max Diff
Caster	3.2° to 5.0°	3.2° to 5.0°
Cross Camber	0.3° Max Diff	0.3° Max Diff
Toe	0.15° to 0.30°	0.15° to 0.30°
Total Toe	0.30° to 0.60°	