

# **SWAY-A-WAY<sup>®</sup>**

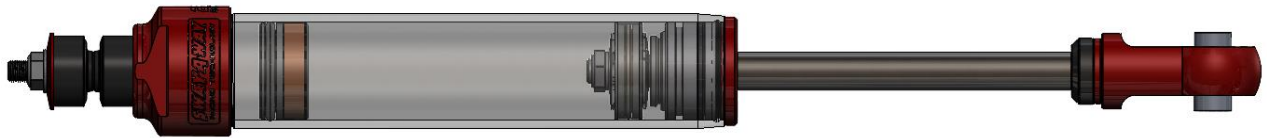
## **RACING TECHNOLOGY**

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### **2022+ Toyota Tundra Rear Performance Shock Installation**

#### **Parts List**

-2 Sway-A-Way Shocks



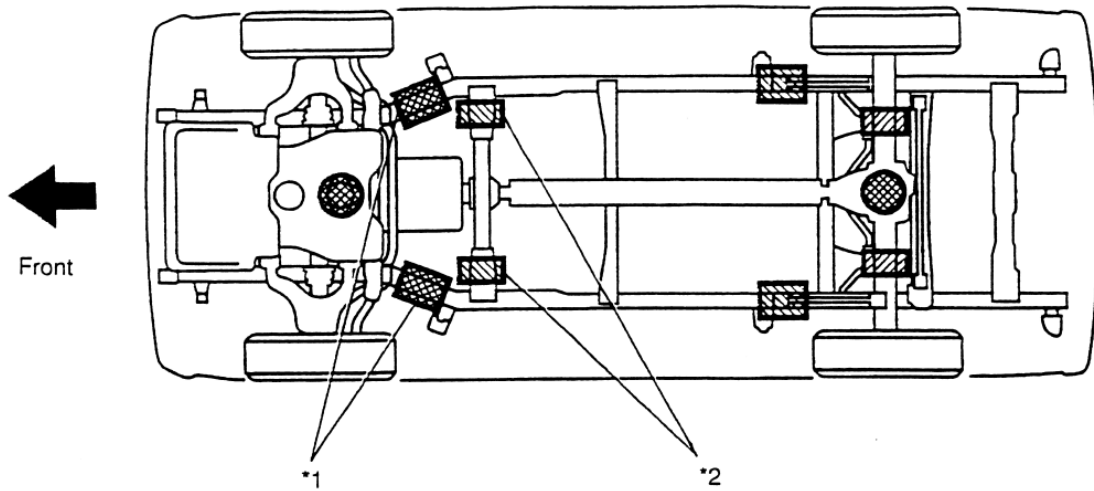
#### **Tool List**


- 1/4" Allen wrench
- 19mm open-end wrench
- 17mm wrench or socket
- 8mm open-end wrench
- Jack and jack stands
- Pry-Bar
- Safety Glasses
- Impact wrench (Optional)

## Removal and Installation Procedure for Tundra Rear

(Shocks are already charged with 100 PSI of Nitrogen)

1. Park the vehicle on a level concrete surface where it is safe to work on your vehicle.
2. Lock and center the steering wheel. Engage the hand brake.
3. Using a jack lift the vehicle and support the vehicle using jack stands. Be sure to place the jack and jack stands securely in the positions shown in the diagram. After placing the jack stands slowly lower the jack and remove the jack so that the rear suspension can hang freely. Remember to be alert and cautious when working under a vehicle.





**JACK POSITION** ..... 

Front ..... Center of crossmember  
 Rear ..... Center of rear axle housing

**CAUTION: When jacking-up the front and rear make sure the car is not carrying any extra eight.**

**SUPPORT POSITION**

Safety stand .....   
 Swing arm type lift ..... 

\*1: Support position when equipping without side step.  
 \*2: Support position when equipping with side step.

4. Remove the rear wheels and tires using a 22mm socket.

5. Remove the upper nut on the stock shock using the **19mm** open-end wrench while holding the stud flats with the **8mm** open-end wrench.

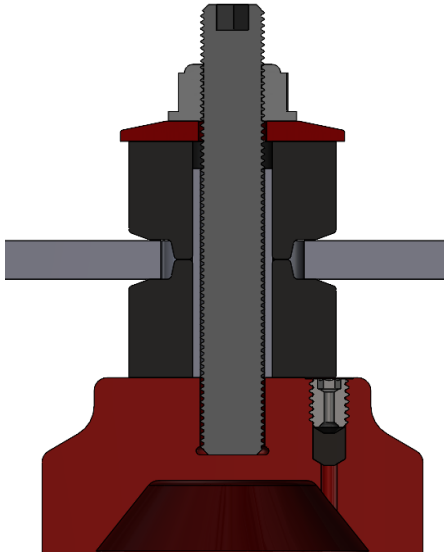


6. Using a **17mm** socket loosen and remove the stock lower shock mounting bolts. Save the stock lower shock mount bolts, as you will be re-using them with your new Sway-A-Way shocks.



7. Pry the lower shock bushing from the axle mount, and lower the shock until it is free of the upper mount hole in the frame. Remove the shock.

- To install the new Sway-A-Way shocks, first insert the top stud into the upper mount hole in the frame. Only the bushing sleeve and the lower polyurethane bushing should be on the stud when you insert the stud into the hole in the frame.
- Place the second bushing on the stud, on the top side of the frame, followed by the washer and the locknut. Hand-tighten the locknut, until the nylon engages and the nut starts to tighten.



- Using the stock lower bolts and included misalignment spacers, install the lower end of the shock on to the axle mounts, using a **17mm** socket. Torque the nuts to the factory specification in the table on the last page.

**Note:** The rear axle of the truck may have to be raised up or lowered a small amount to align the lower shock bearing eyelets with the axle mount.



11. Reinstall the wheels and tires. Torque the lug nuts to the factory specification in the below table.
12. Lower the vehicle slowly while checking to make sure the upper studs of the Sway-A-Way shocks stay centered in the holes in the frame.
13. Set the vehicle down and make sure the vehicle is sitting on it's own weight (no jacks or jack-stands). Using the **19mm** wrench tighten the 1/2"-20 shallow locknut (provided with the shock) to the top stud (using the **1/4"** Allen wrench to keep the stud from rotating). Continue to tighten the top nut until the red washer engages the bushing sleeve, it will not spin past this point.
 

**Note:** The nut provided is a locknut and it does not need to be torqued to prevent it from turning loose. If it is torqued like a regular nut it will be over tightened and it will break the stud.
14. Drive the vehicle for 5 miles and check for loose nuts and interference. Drive the vehicle for another 30 miles and recheck for loose nuts and etc. Recheck periodically (every 3 months).
15. Your installation is now complete.



Part Tightened	Fastener Size	Torque Value
Lower Shock Mount	17mm	80 ft.*lbf.
Wheel Lug Nut (Aluminum Wheel)	22mm	97 ft.*lbf.
Wheel Lug Nut (Steel Wheel)	22mm	154 ft.*lbf.