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Rough Country 502091 Installation Instructions

M1 Adjustable Struts for Toyota Tundra 4WD (2000–2006)

Part number: 502091

trailfortress.com/rough-country-m1-adjustable-struts-502091

Scan for fitment, price and install help

2000-06 Toyota Tundra 2.5” Loaded Strut Kit

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

KIT CONTENTS:
Loaded Struts x2

TOOLS NEEDED:
10mm Socket
14mm Socket
22mm Wrench or Socket
Rachet

HARDWARE INCLUDED:
Flange Lock Nuts x6
14-2.0mm x 60mm Hex Head Bolts x2
14-2.0mm Flange Nut x2



Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

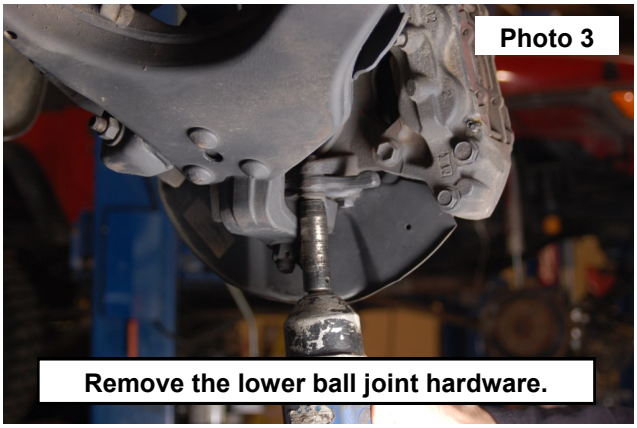
INSTALLATION INSTRUCTONS

1. Block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Lift the front of the vehicle and support the frame with a pair of jack stands. Place a jack stand on both the driver and passenger side.
2. Remove the wheels and tires from both sides.
3. Working on the driver side, remove the stock sway bar hardware from the stock frame location using a 14mm socket as shown in **Photo 1** and save the stock hardware for later re-installation. Repeat procedure on the passenger side. Tie the stock sway bar up and out of the way during installation.
4. Remove the ABS wire from knuckle using a 10mm socket as shown in **Photo 2**.



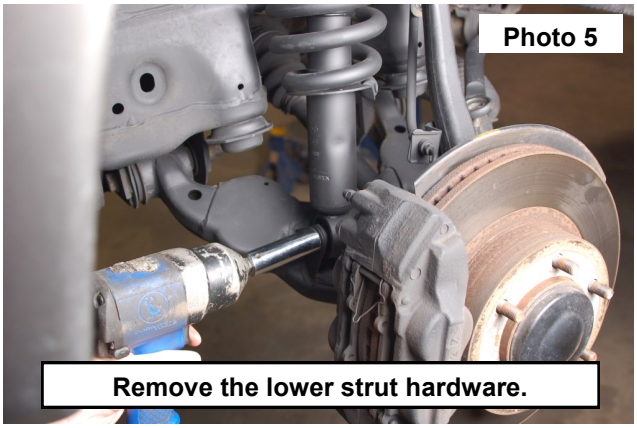


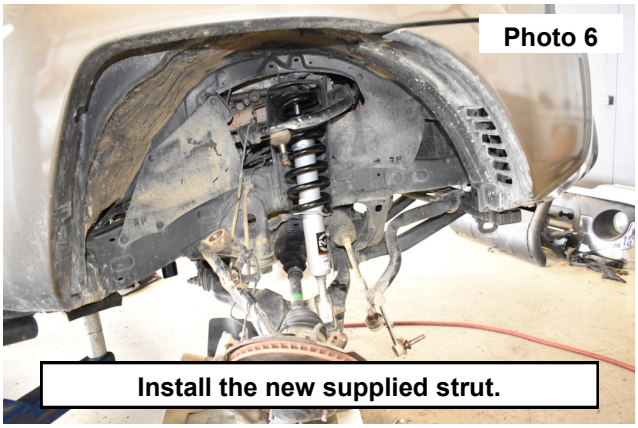
5. Remove the (4) lower ball joint bolts using a 14mm socket shown in **Photo 3**.
6. Working on the driver side, remove the (3) upper stock nuts that connect the stock strut into the stock location using a 14mm wrench shown in **Photo 4**. Save the stock nuts for later re-installation. Repeat on the passenger side.





7. On the driver side, remove the stock lower bolt that connects the stock strut to the stock lower mounting location using a 19mm wrench and socket shown in **Photo 5** and save the stock hardware for later reinstallation. During removal of the stock bolt, take special care not to damage the stock CV boot. Also, take note on which way the bolt is removed, it needs to be re-installed the same way that it was remove. Then remove the stock strut assembly from the stock location and set a side. Repeat procedure on the passenger side.
8. Install the new strut into the upper mount. **See Photo 6.**





9. Secure the strut using the supplied nuts on the top studs. Tighten using a 14mm wrench. **See Photo 7.**
10. Install (1) of the supplied 14mm-2.0 x 60mm hex head bolts and secure using (1) 14mm-2.0 nut into the lower control arm and the strut. Hand tighten, this will be tightened when the vehicle is set on the ground. **See Photo 8.**



Photo 7

Secure the strut in the upper mount.

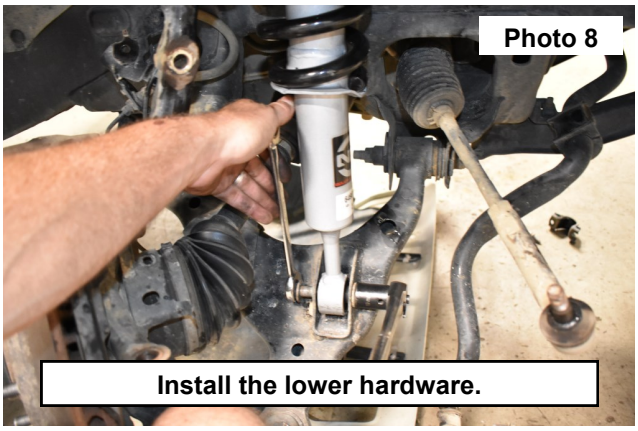


Photo 8

Install the lower hardware.

11. Repeat procedure for opposite side of the vehicle.
12. Reconnect the sway bar end links with factory hardware and a 14mm socket.
13. Re-install the tires and wheels and torque to 75 ft/lbs. Carefully lower the vehicle to the ground.
14. Tighten the lower strut bolt using a 22mm wrench and socket.

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