



**PART# 222403 (Single Strut)  
372403 (Pair of Struts)**

**2009-2018 RAM 1500 4WD  
2019+ RAM 1500 2WD/4WD**

**0-3" FRONT LOWERING STRUTS**



**3 HOUR INSTALL TIME**



**Recommended Tire size  
31x10.50**

Components
(2) 222403 ADJUSTABLE STRUT
(2) LOWER COIL SEAT
(2) SNAP RING
(2) SNAP RING RETAINER
(2) M14-2.0 NLOCK NUT



**WARNING**

**2019 AND NEWER MODELS WILL NOT HAVE THE ABILITY TO ALIGN TO FACTORY SPECS WHEN SET AT 2" OF DROP OR MORE. AFTER MARKET CAMS OR CONTROL ARMS WILL BE NEEDED**

**Please double check the parts list before beginning installation to ensure all parts are present. If there is something missing, please contact Maxtrac Suspension (714) 630-0363. Please have the boxes present if parts are missing or damaged**

**PRIOR TO INSTALLATION:**

- 1. Factory service manual is recommended to have on hand.**
- 2. Secure and properly block vehicle prior to beginning installation.**
- 3. Always wear safety glasses when using power tools or working under the vehicle**
- 4 Modification to any part will void the warranty associated with that product**

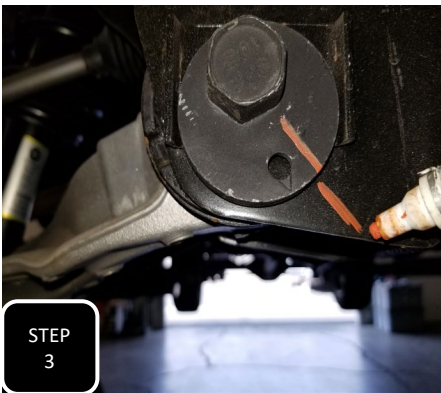
**AFTER REMOVING PARTS FROM VEHICLE, SAVE HARDWARE FOR REINSTALLATION**



**Step 1** Jack up the front of the vehicle and support under the frame using jack stands.



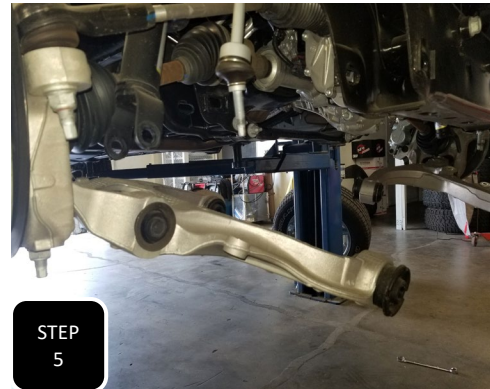
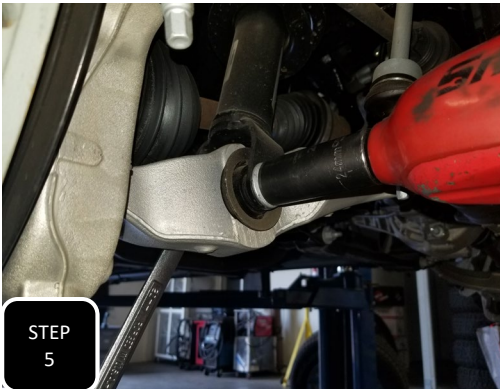
**Step 2** Un-bolt the sway bar end link at the lower control arm.



**Step 3** Make a reference mark on both alignment cam bolts as a guide when re-installing.



**Step 4** Un-bolt and remove both alignment cam bolts attaching the lower control arm to the frame.



**Step 5** Remove the bolt attaching the strut to the lower control arm and allow the lower control arm to hang by the ball joint.



**Step 6** Un-bolt the strut at the top by removing all 3 nuts and remove the strut.



**Step 7** First take note of the relationship between the strut top and lower clevis. This reference will help during re-assembly. Compress the coil using a strut compressor and remove the nut at the center of the strut top. **NOTE: IF THE THREADS HAVE ANY RUST, SPRAY WITH WD-40 AND LET SOAK FOR A FEW MINUTES.**

<b>GROOVE # 1,</b>	2019+	<b>STOCK HEIGHT</b>
<b>GROOVE # 2,</b>	2019+	<b>1" DROP</b>
<b>GROOVE # 3,</b>	2009-18	<b>STOCK HEIGHT</b>
<b>GROOVE # 4,</b>	2019+	<b>2" DROP</b>
<b>GROOVE # 5,</b>	2009-18	<b>1" DROP</b>
<b>GROOVE # 6,</b>	2019+	<b>3" DROP</b>
	2009-18	<b>2" DROP</b>
<b>GROOVE # 7,</b>	2009-18	<b>3" DROP</b>



**Step 8** The new strut has 8 grooves for the specified year range and desired ride height. Choose your groove based on the chart above or the picture on the back of the instructions.

**Step 8** Install the snap ring onto the desired groove using retainer ring pliers and make sure it fully engages into the groove.



**Step 9** Slide the snap ring retainer over the snap ring. If the retainer does not slide over the ring, then tap the ring with a hammer to fully seat it and then install the retainer. **NOTE: THE RETAINER MUST GO COMPLETELY OVER THE SNAP RING AND FULLY SEAT OR YOUR SUSPENSION COULD FAIL.**



STEP  
10

STEP  
10

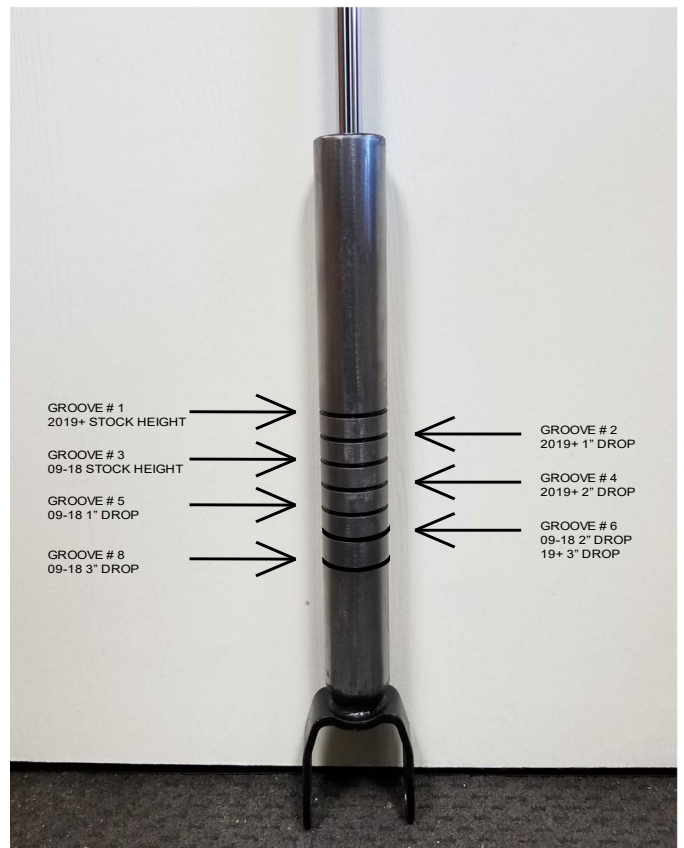
**Step 10** Install the provided lower coil seat and then transfer over the factory bump stop.



STEP  
11

**Step 11** Install the factory strut top on the new strut using the provided M14 nut and tighten down. **NOTE: MAKE SURE THE TOP IS CLOKED PROPERLY WITH THE LOWER STRUT MOUNT.**

**Step 12** Repeat steps 2-11 on the other side. **NOTE: DO NOT ATTACH THE SWAY BAR END LINKS UNTIL BOTH STRUTS HAVE BEEN INSTALLED.**



## AFTER MODIFYING YOUR SUSPENSION

**HAVE THE VEHICLE'S ALIGNMENT CHECKED  
PROPERLY ADJUST YOUR HEAD LIGHTS FOR THE NEW STANCE OF THE SUSPENSION  
RE-TORQUE ALL BOLTS AFTER 500 MILES**