



# FRONT LEVELING KIT 1.5"/ 2"

**INSTALL GEN3 2021+ FORD RAPTOR**

## PLEASE READ



### BEFORE INSTALL

**THIS PRODUCT MUST BE INSTALLED BY A PROFESSIONAL THAT HAS THE CORRECT TOOLS TO COMPRESS THE FRONT SPRING WITHOUT RISKING INJURY OR DAMAGE TO YOUR TRUCK.**

**COMPRESSING A SPRING CAN BE DANGEROUS IF NOT DONE CORRECTLY. PLEASE MAKE SURE YOU DO NOT TRY THIS WITHOUT THE CORRECT TOOLS FOR THE JOB.**

**SOME TRUCKS MAY SIT DIFFERENT THAN OTHERS FROM FACTORY WITH A VARIETY OF STOCK REAR SPRINGS AVAILABLE.**



### AFTER INSTALL

**YOU WILL NEED TO GET YOUR TRUCK REALIGNED TO ENSURE YOU DON'T END UP WITH POOR TIRE WEAR IN THE FRONT.**



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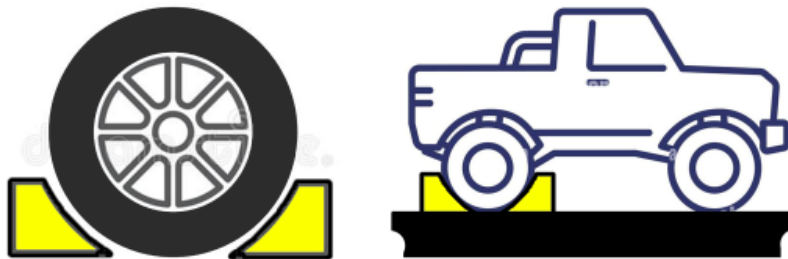
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## STEP # 1

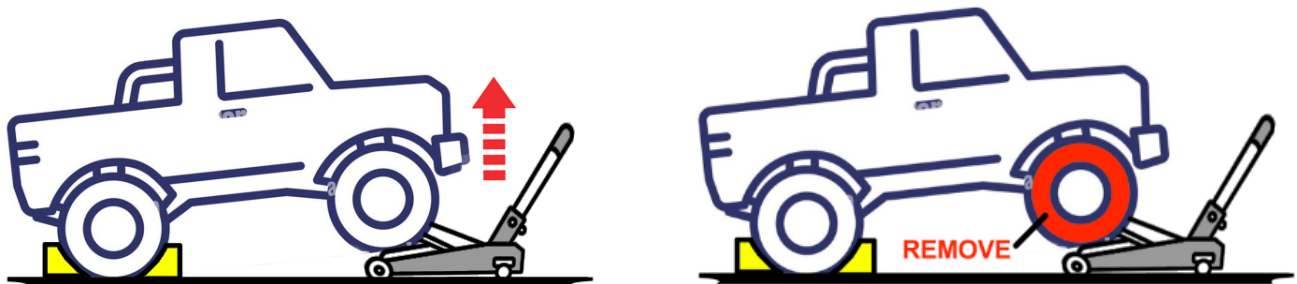
- Park vehicle on flat ground and pull to secure parking brake



- Chock the front and back of the rear wheels



- Lift the front of the truck and place jack stands on the frame so both front tires are suspended off the ground and remove both front tires



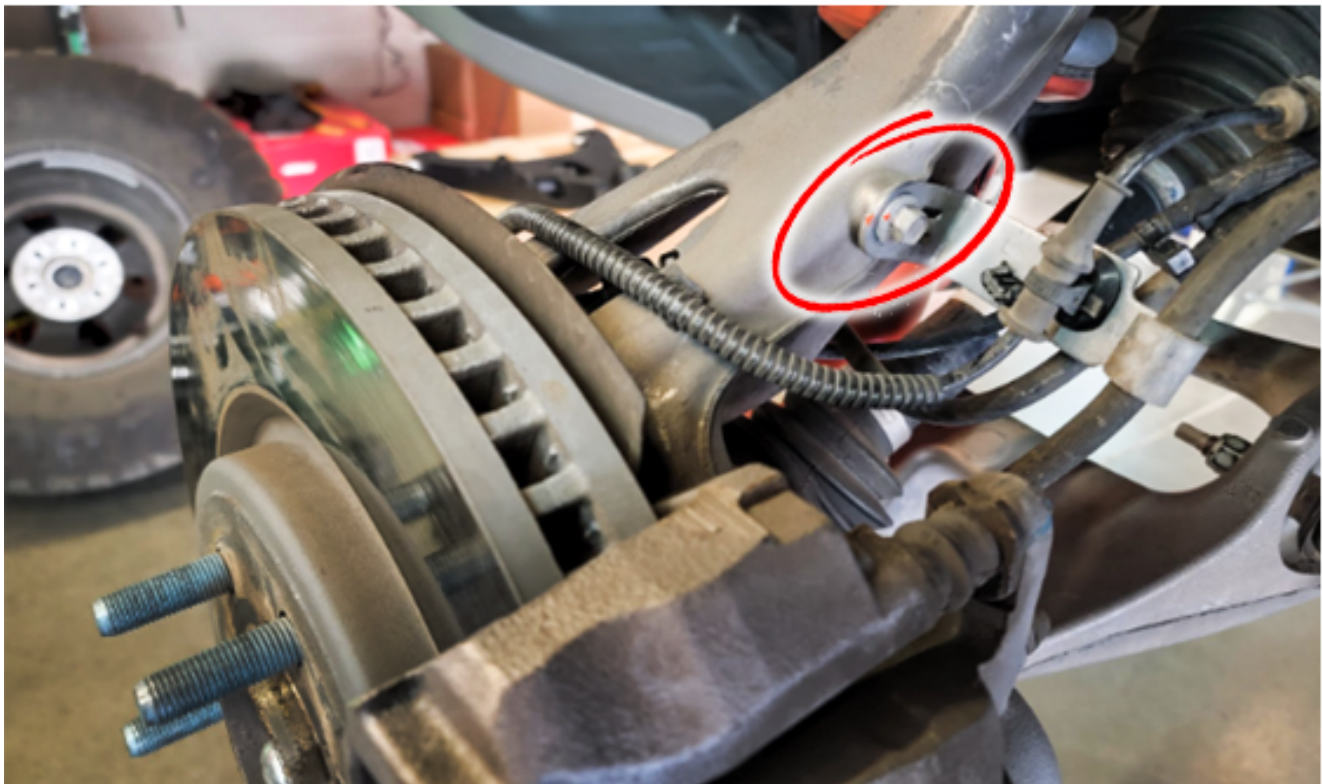


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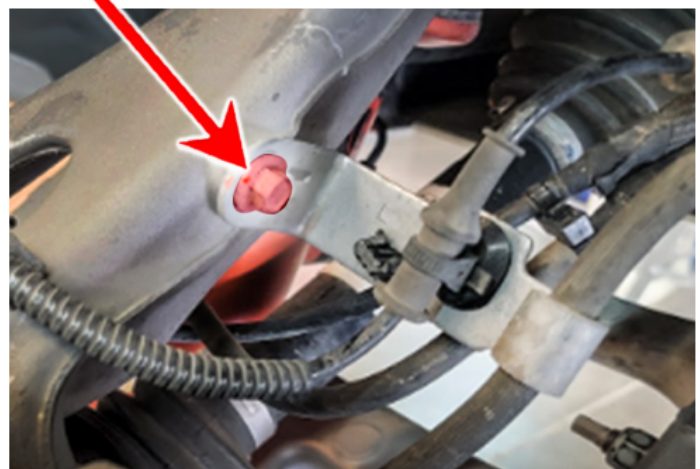
## STEP # 2

- Starting on the drivers side - remove the bolts holding the brake line bracket and vacuum line bracket to the spindle.



**REMOVE**

This is to gain slack in the lines for when the spindle becomes loose and the shock needs to come out





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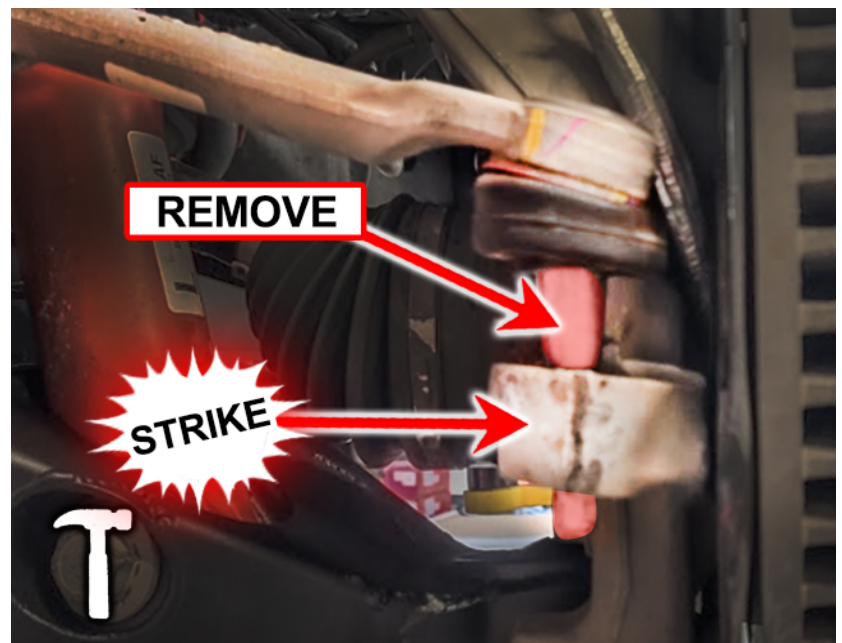
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## STEP # 3

- Remove the tie rod nut



- With a hammer -  
Strike the spindle  
where the tie rod  
went through to  
get it to dislodge.





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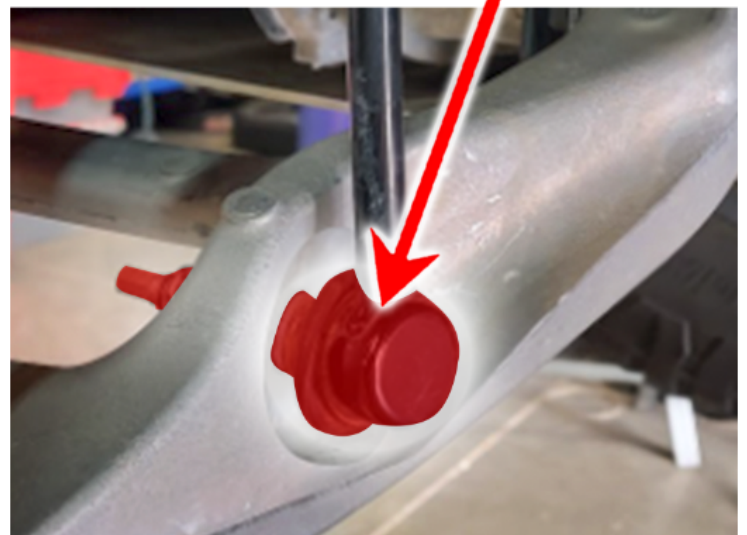
## STEP # 4

- Remove the lower sway bar nut



**REMOVE**

This allows the lower control arm to pivot down for more room to get the shock out



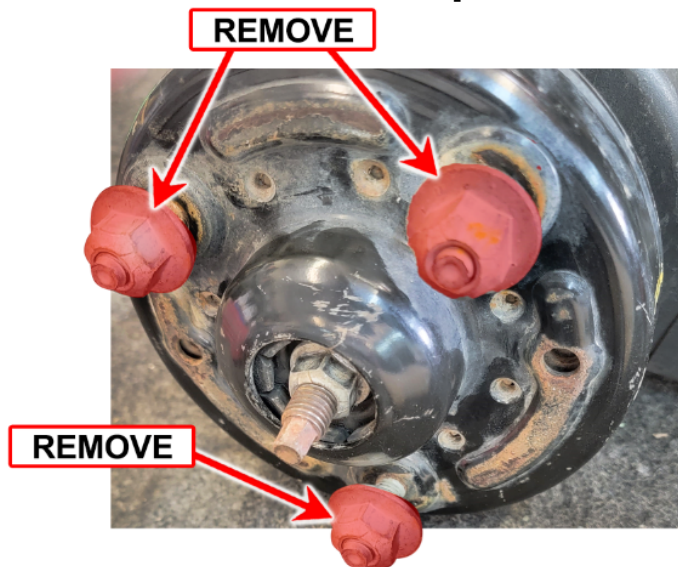


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## STEP # 5

- Remove the three nuts on the top of the shock



- Remove the large bolt on the bottom of the shock.
- Then by pushing down on the lower arm, remove the shock

## STEP # 6

- With a spring compressor - compress the spring on the shock.





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## STEP # 6 (cont.)

- With a mallet - hit the lower spring perch upwards.



- After the spring perch has been dislodged, make sure to have the small keepers stay on the shock - the collar will sit on this.





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## STEP # 6 (cont.)

- Once there is enough room to get the collar on to the shock under the lower spring perch and is seated on the keepers on the shock body - you can install the new Foutz Motorsports Lift Collar.
- Torque the two bolts to 15 ft lbs.
- Then release the spring compressor.



## STEP # 7

- Reverse the order of disassembly and reinstall the shock into the truck - torquing all bolts to factory specs.

## STEP # 8

- After the driver side is completed - Repeat steps 3 through 7 on the passenger side of the truck.





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## **STEP # 9**

- Once driver and passenger side is completed with the new Foutz Motorsports Lift Collars - Reinstall the wheels and lower the truck back on the ground
- Torque the lug nuts to factory spec.



### **IMPORTANT REMINDER**

**AFTER INSTALLATION THE TRUCK  
MUST GET A REALIGNMENT TO PREVENT  
POOR TIRE WEAR IN THE FRONT**