



## FORD 2022 F-150 Lightning Leveling Kit

### THANK YOU FOR CHOOSING ROUGH COUNTRY FOR YOUR SUSPENSION NEEDS.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

#### PRODUCT USE INFORMATION

**WARNING** The taller a vehicle is, the easier it will roll. We strongly recommend, because of rollover possibility that seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

**WARNING** Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered. If questions exist we will be happy to answer them concerning the design, function, and correct use of our products.

This suspension system was developed on **2022** model using a 35X12.50X18, tire with factory wheels. **We suggest a 33X12.50.** Note if wider tires are used, offset wheels will be required and trimming will be required.

**NOTICE** Vehicles will require the EPAS (Electronic Power Assist Steering) plugs to be disconnected prior to beginning installation of this kit. See installation instructions. Failure to disconnect these plugs may result in damage to the EPAS module resulting in an error message being displayed, which will require replacement of the EPAS module

#### NOTICE DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a "Warning to Driver" decal installed on the inside of the windshield or on the vehicle's dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

#### Tools Needed

15mm Wrench  
15mm Socket  
29mm Socket  
1 1/16" Wrench  
21mm Wrench  
16 mm Wrench  
21 mm Wrench  
3/8" mm Wrench  
9/16" Wrench  
9/16" Socket  
17mm Socket  
Hammer  
Floor Jack  
Jack Stands  
18mm Socket  
Torque Wrench

#### Torque Specs:

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



**52200 Kit Contents:**

2-Front Strut Extensions

1-55200BAG2:

6-10mm x 50mm Bolts

6-10mm Nuts

6-10mm Flat Washers

12-10mm lock Washers

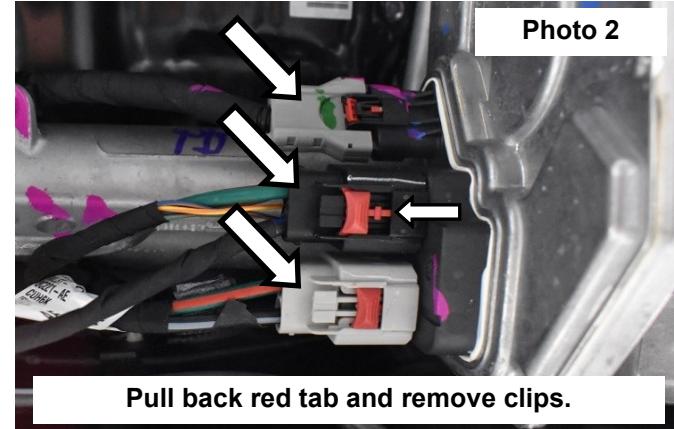
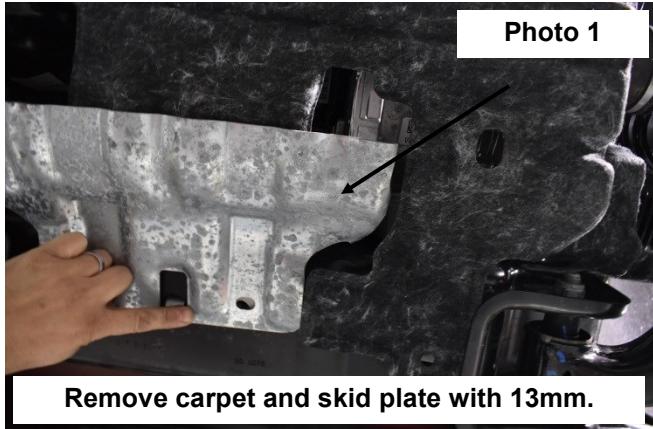
6-10mm Nylock Nuts



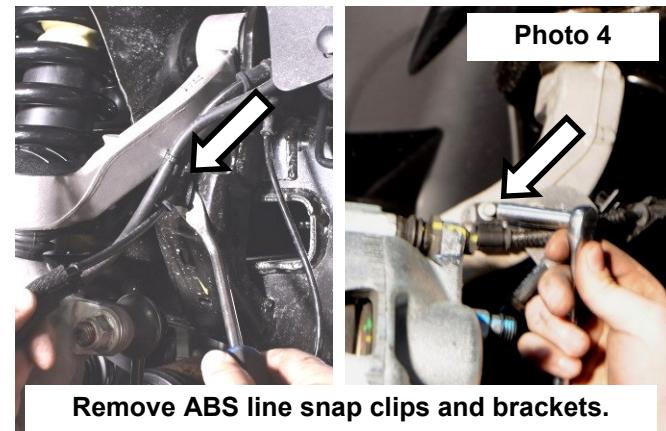
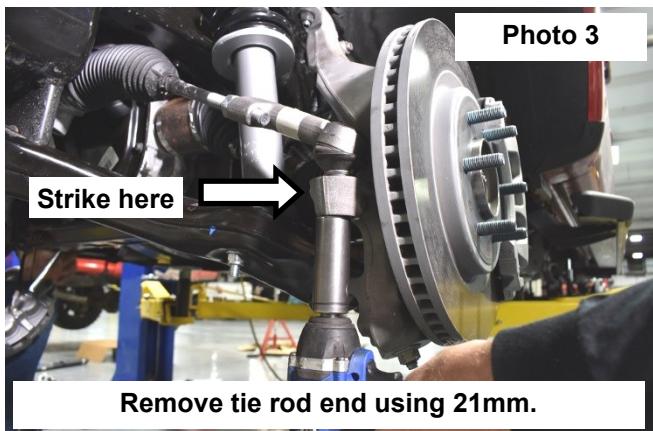
## FRONT INSTALLATION INSTRUCTIONS

1. **NOTE: Make sure vehicle is in 2WD before beginning installation.**
2. Chock the rear wheels and jack up the front of the vehicle.
3. Place jack stands under the frame rails and lower onto jack stands.
4. Remove the wheels/tires using a 21mm socket.
5. Remove the carpet and skid plate with a 13mm socket/wrench. **See Photo 1.**
6. Remove the 3 EPAS (Electronic Power Assist Steering) Plugs on the steering assembly by the front differential. Pull the red tab back to unlock as shown by the middle plug in **Photo 2.**

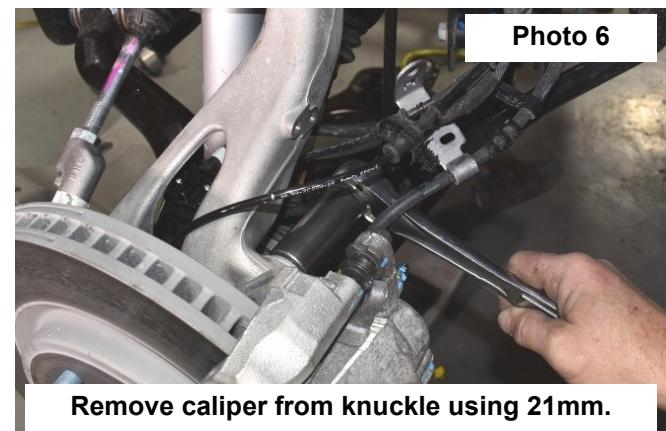
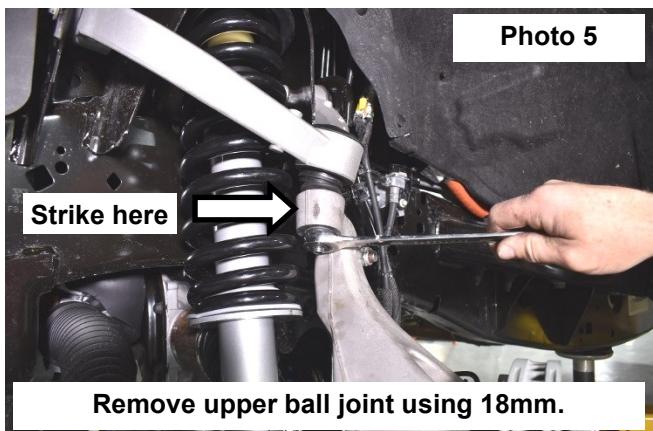
**This must be done BEFORE installation is started.**



7. Remove tie-rod end using a 21mm wrench. Strike the knuckle with a hammer to loosen the tie rod end. **Photo 3.**
8. Remove ABS line snap clips using a trim remover tool to get more slack in the line. **See Photo 4.**

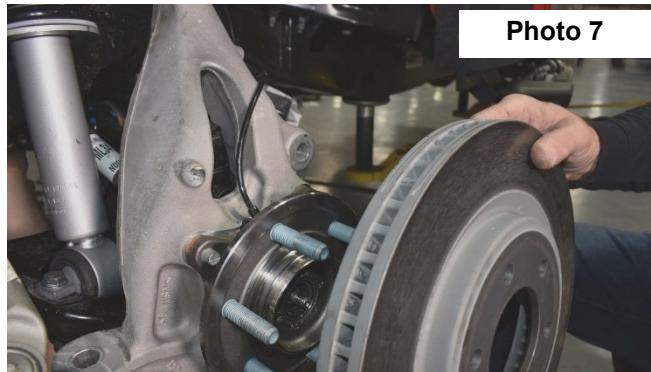


9. Remove the upper ball joint nut using a 18mm socket/wrench. Strike the knuckle to loosen. **See Photo 5.**
10. Using a 21mm socket, remove brake caliper as shown in **Photo 6.** Hang caliper out of way. Do not let caliper hang by brake hose as this will damage hose.

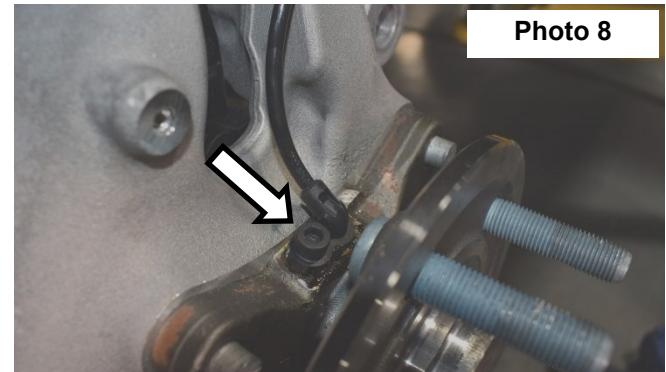


10. Remove the rotor. **See Photo 7.**

11. Remove the ABS wire from the bearing assembly using a 5mm Allen wrench. **See Photo 8.**



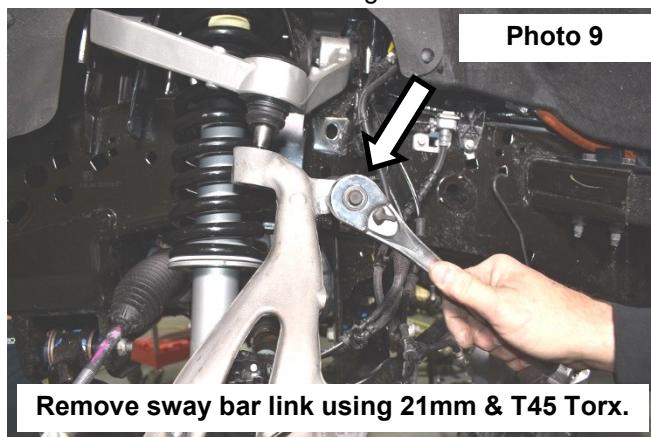
Remove rotor.



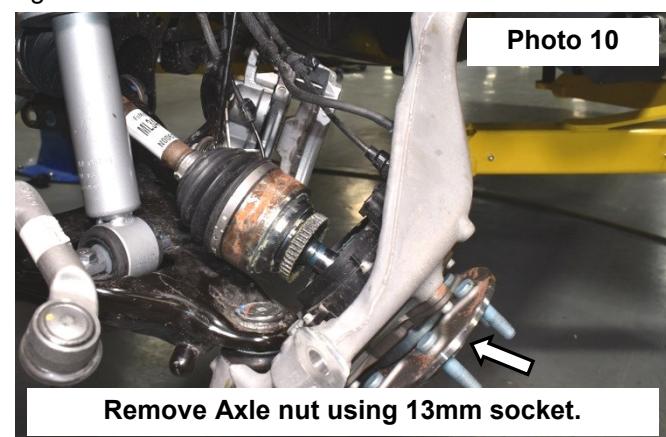
Remove ABS wire using 5mm Allen wrench.

12. Remove the sway bar link using a 21mm wrench and T45 Torx bit. **See Photo 9.**

13. Remove the axle nut using a 13mm socket. Let the knuckle hang. **See Photo 10.**



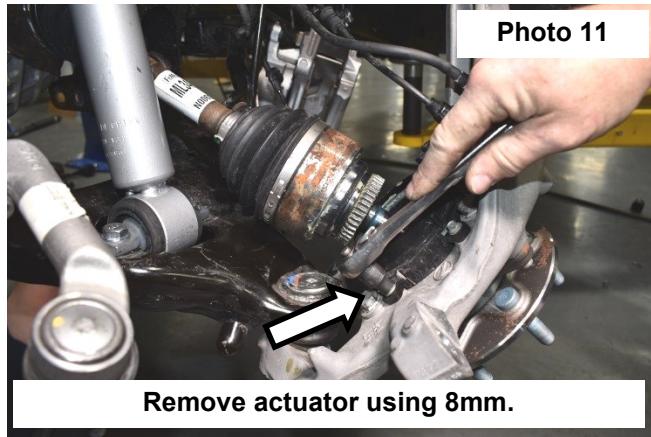
Remove sway bar link using 21mm & T45 Torx.



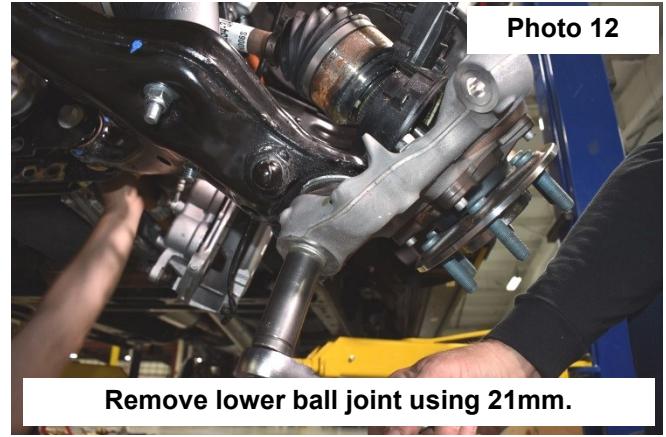
Remove Axle nut using 13mm socket.

14. Remove actuator using an 8mm socket/wrench. **See Photo 11.**

15. Remove the lower ball joint using a 21mm socket/wrench and remove the knuckle. **See Photo 12.**



Remove actuator using 8mm.



Remove lower ball joint using 21mm.

17. Remove the lower strut nuts using an 18mm socket/wrench. **See Photo 13.**

18. Remove the upper strut nuts using a 18mm wrench. **See Photo 14.**

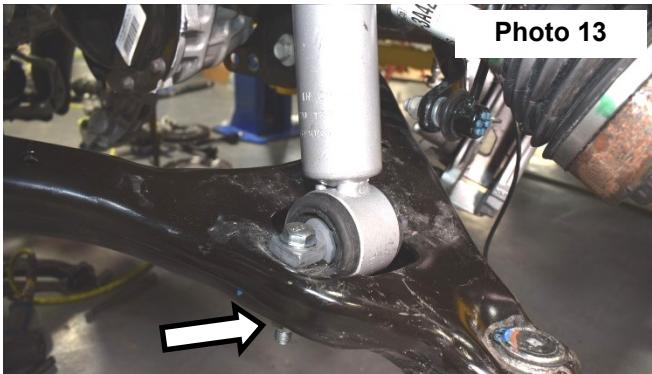


Photo 13

Remove the lower strut nuts using 18mm.



Photo 14

Remove the upper strut nut using 18mm.

19. Remove the strut from the vehicle. **See Photo 15.**

20. Knock the studs out of the bar pin to allow for easier install when the spacer is installed on the strut. **See Photo 16.**

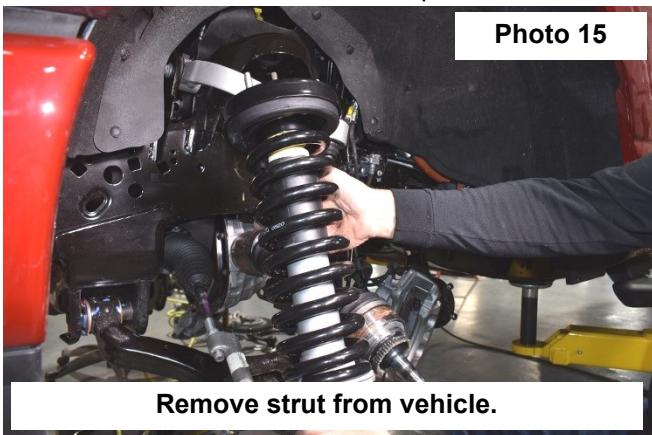


Photo 15

Remove strut from vehicle.



Photo 16

Knock studs out of bar pin.

21. Insert the 10mm x 50mm bolts, in 52200BAG2, from the bottom of the spacer, for the A-Out side for both struts. Install the new strut spacer on the strut, using the supplied 10mm Nylock nuts and washers, from 52200BAG2, and a 17mm socket. Torque to 30 ft/lbs. **See Photo 17.**

22. Install the strut with the spacer and reinstall the factory studs in the bar pin on the lower mount of the strut. **See Photo 18.**

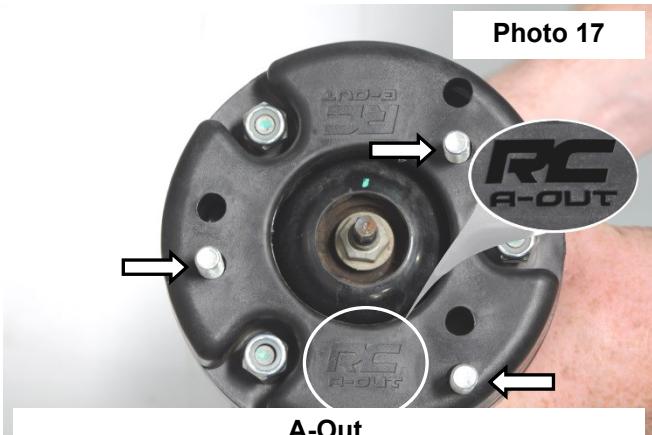


Photo 17

A-Out.

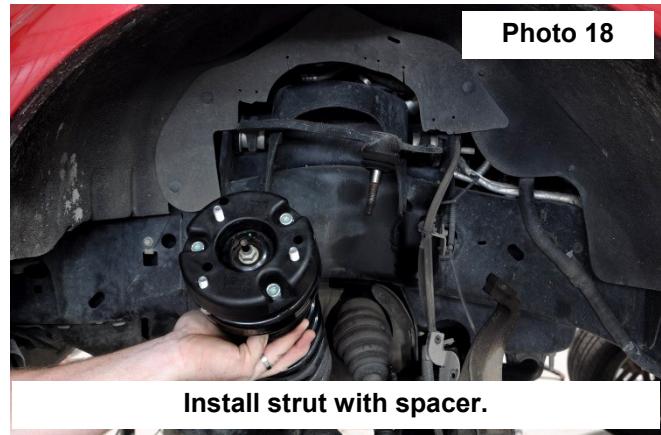


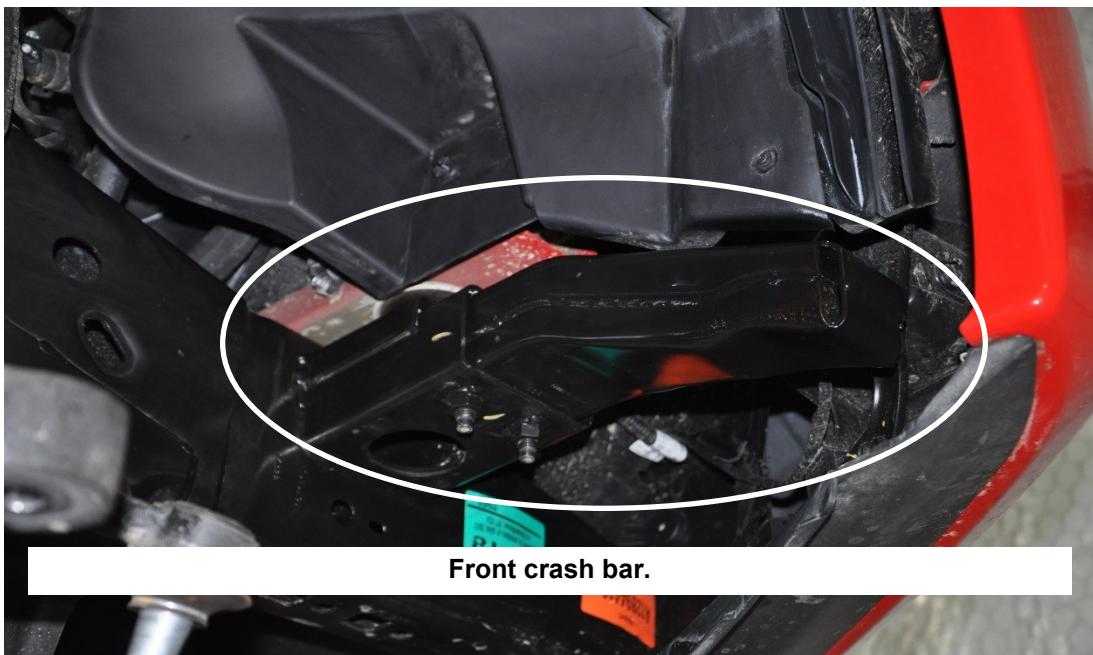
Photo 18

Install strut with spacer.

23. Reassemble the suspension in reverse order of tear down.

24. Put on wheels and lower.

**WARNING** Do not cut or remove factory crash bar if equipped.



By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable, State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.

