

ROUGH COUNTRY

SUSPENSION SYSTEMS®

921520000A

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
36mm Socket
1 1/16" Wrench
21mm Wrench
16 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

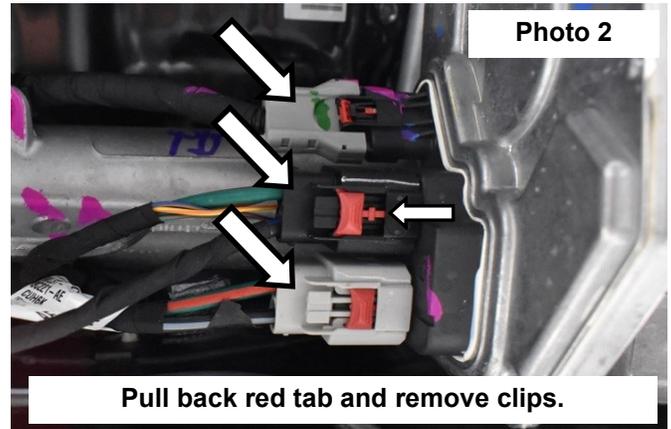
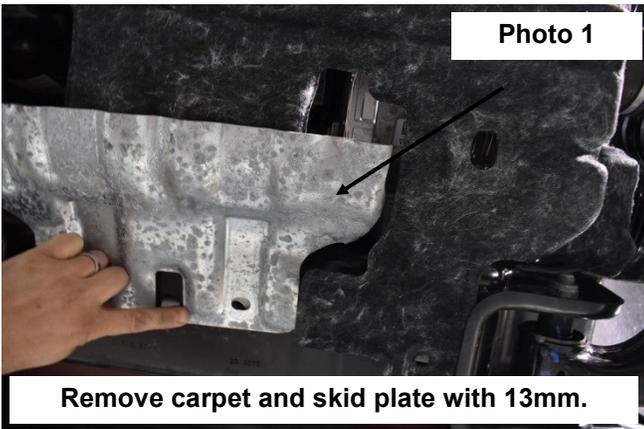
12-10mm lock Washers

6-10mm Nylock Nuts

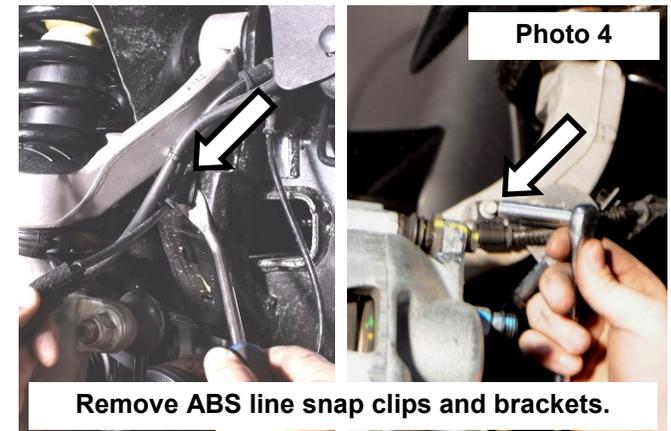
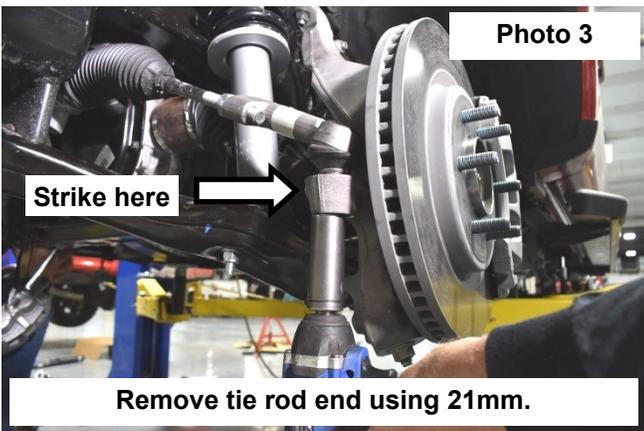


FRONT INSTALLATION INSTRUCTIONS

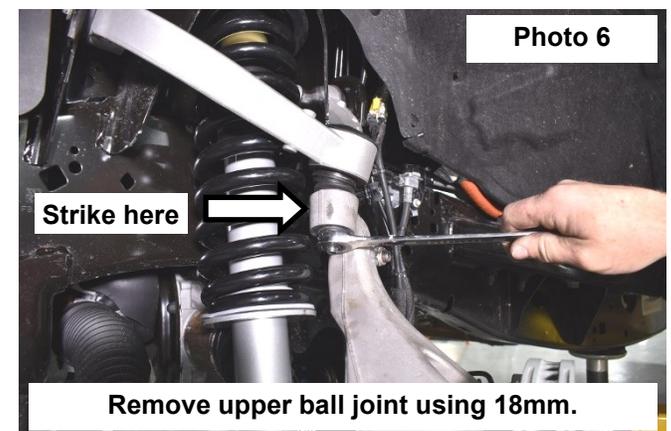
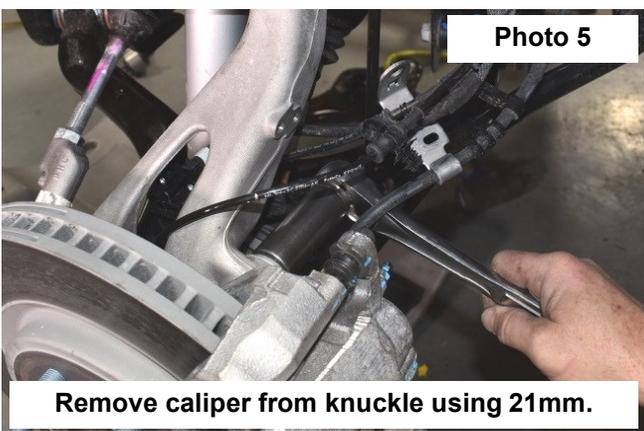
1. Chock the rear wheels and jack up the front of the vehicle.
2. Place jack stands under the frame rails and lower onto jack stands.
3. Remove the wheels/tires using a 21mm socket.
4. Remove the carpet and skid plate with a 13mm socket/wrench. **See Photo 1.**
5. Remove the 3 EPAS (Electronic Power 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.



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

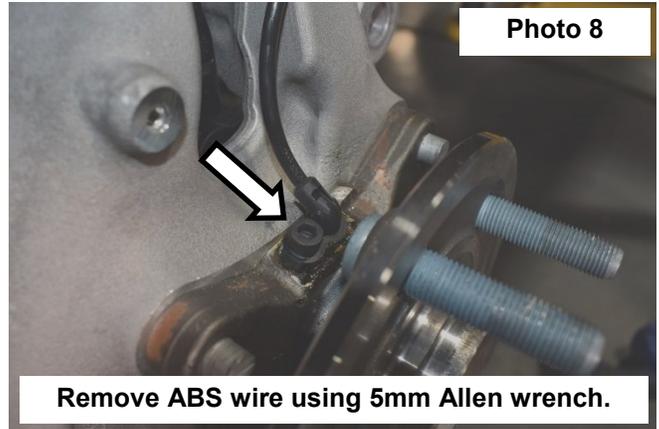
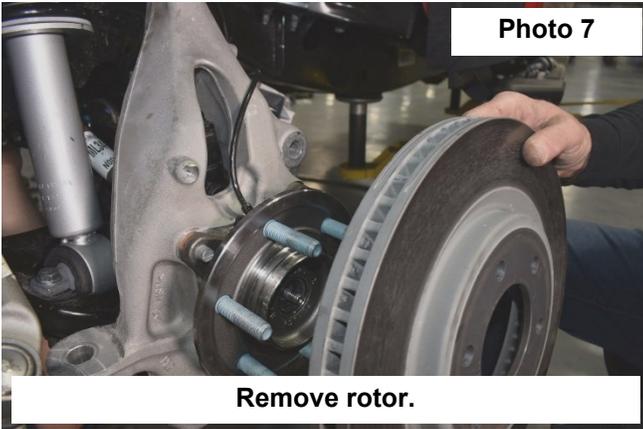


8. Using a 21mm socket, remove brake caliper as shown in **Photo 5.** Hang caliper out of way. Do not let caliper hang by brake hose as this will damage hose.
9. Remove the upper ball joint nut using a 18mm socket/wrench. Strike the knuckle to loosen. **See Photo 6.**



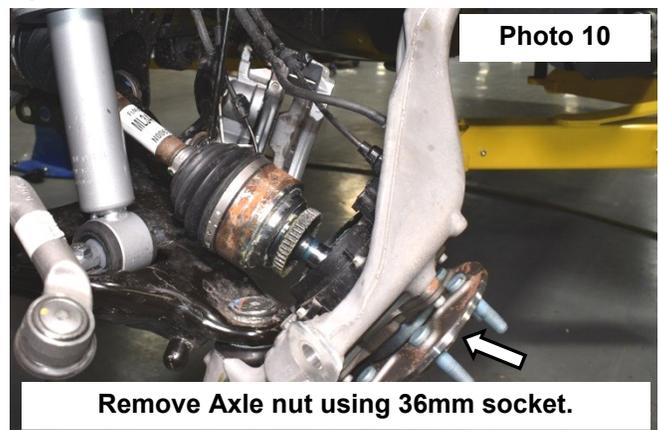
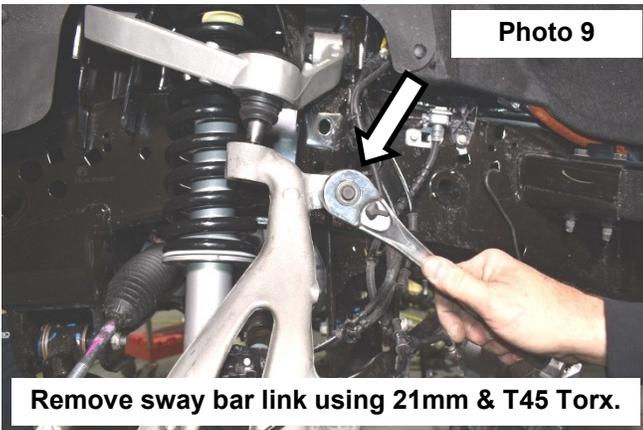
10. Remove the rotor. **See Photo 7.**

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

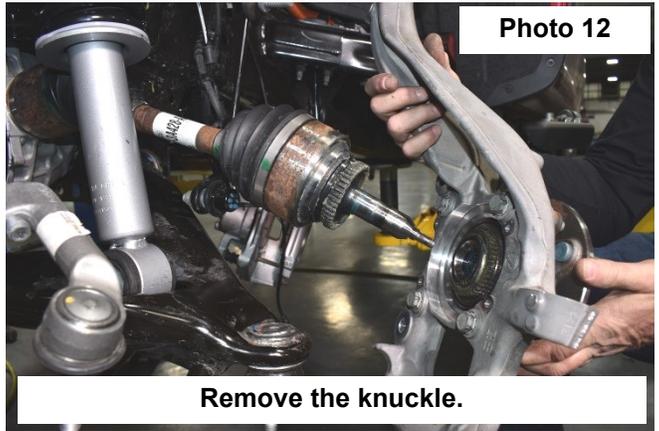
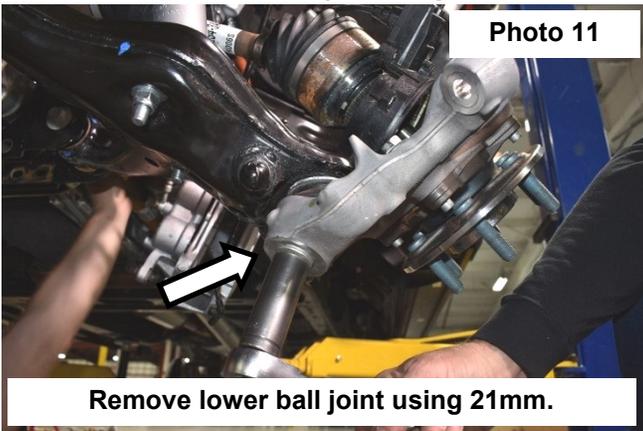


12. Remove the sway bar link using a 21mm wrench and T45 Torx bit. **See Photo 9.**

13. Remove the axle nut using a 36mm socket. Let the knuckle hang. **See Photo 10.**

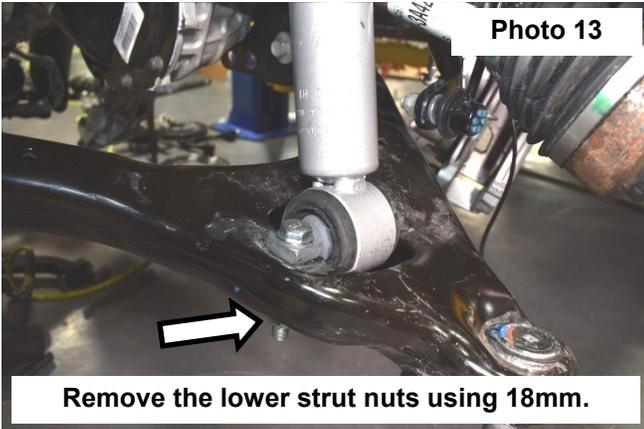


14. Remove the lower ball joint using a 21mm socket/wrench and remove the knuckle. **See Photo 11 and Photo 12.**

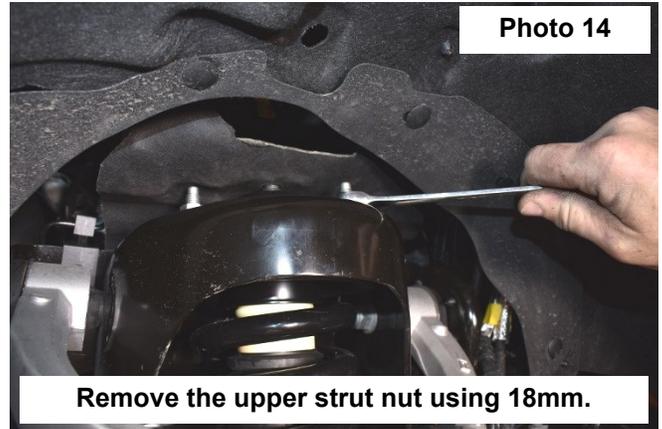


15. Remove the lower strut nuts using an 18mm socket/wrench. **See Photo 13.**

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



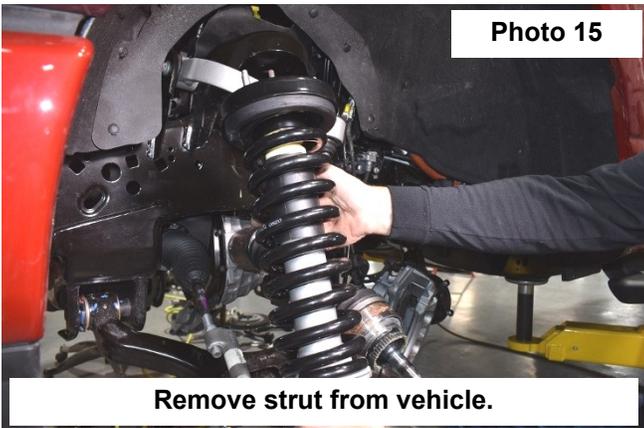
Remove the lower strut nuts using 18mm.



Remove the upper strut nut using 18mm.

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

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



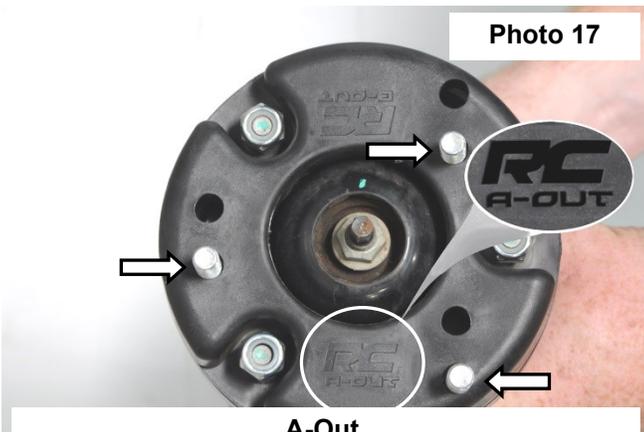
Remove strut from vehicle.



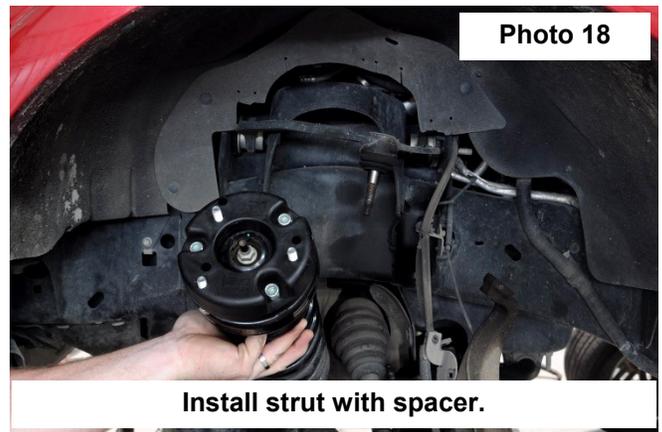
Knock studs out of bar pin.

19. 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.**

20. 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.**



A-Out.

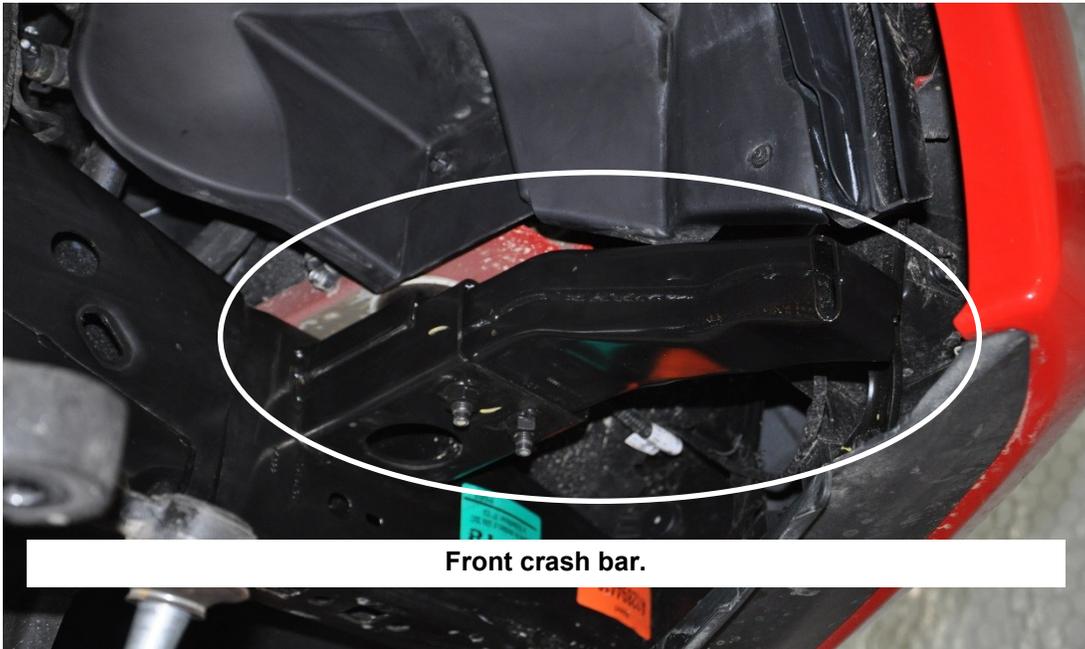


Install strut with spacer.

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

22. Put on wheels and lower.

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



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