



2021+ Ford Bronco - 2.5" Diameter Front and Rear Coil Overs w/ Remote Reservoir

*Note: Extended Travel Front Coil Overs are recommended for use
w/ Sasquatch Package and an Aftermarket UCA ONLY!*

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Thank you for choosing Radflo Suspension Technology's OE Replacement shocks for your vehicle! Radflo shocks are engineered, developed, and manufactured in our Fountain Valley, CA Headquarters. We have more than 25 years of experience and everything we have learned has been put into your shocks. To maintain optimal performance of your shocks, periodic service and maintenance is required.

Safety Warnings...

- Radflo's OE Replacement shocks are designed to fit and allow the needed clearances with the OEM suspension components. If aftermarket suspension components are installed it falls on the customer to ensure that interference between the Radflo shocks and other vehicle components does not occur at any point while cycling the suspension.
- Radflo's OE Replacement shocks should always be installed as a full set to ensure maximum performance at all four corners of the vehicle.
- Altering your vehicle's suspension will change the handling characteristics of your vehicle. In some situations, a modified vehicle may be more likely to lose control and/or rollover, which could result in serious injury or death. Always wear a seatbelt and appropriate protective gear when necessary.
- We advise that only trained professionals service or rebuild Radflo shocks. Radflo OE Replacement shocks are nitrogen charged and come pressurized from the factory. Putting the shocks in a vise, heating the shock, or attempting to open or service the shock without the proper tools and training or any attempt to tamper with, modify or misuse any Radflo product will void the warranty and could result in serious injury or death.
- Maintenance of Radflo shocks must be performed by a professional shock technician, to avoid a potentially unsafe situation on or off the road, which could result in serious injury or death.

Guidelines...

- Radflo recommends using a vehicle lift for the installation of our shocks. Ensure that the raised vehicle is securely attached to the lift and that the vehicle is not able to move during the installation process.
- Do not install any Radflo product without the necessary tools, expertise, and vehicle lift. If you elect to not use an appropriate vehicle lift, be sure that the vehicle is on level ground, each tire on the ground during installation is chocked to prevent movement, at least two tires are on the ground at all times, and that jack stands are used to support the vehicle.
- Radflo's OE Replacement shocks are engineered to fit your vehicle's shock mounts without modification (except the reservoir placement on specific models and applications). If you or the shop installing your shocks believes modifications are necessary to the vehicle or to our shocks in order to install them, please contact us first, as this could void the warranty.
- We recommend that you do not exceed more than 1/2" of additional preload. If more than 1/2" of preload is required, you will need to go up in spring rate or get a longer spring for your application. Please reach out to your Radflo Dealer or contact us directly if this occurs.

List of contents (FRONT):

- 2 Front Coil overs
- 2 pairs of lower coil over bolt spacers
- 6 upper coil over mount studs and nuts with washers

List of contents (REAR):

- 2 Rear Coil overs
- 2 pairs of lower coil over bolt spacers (offset)
- 6 upper coil over mount studs and nuts with washers



Tools required:

- Professional lift or floor jack and 2 jack stands
- Metric and Standard Socket Sets
- Torque wrench
- Pry bar
- Self-Tapping screws
- Drill with 1/4" drill bit

Please retain all stock components in the event that you ever have to remove your Radflo Suspension products.

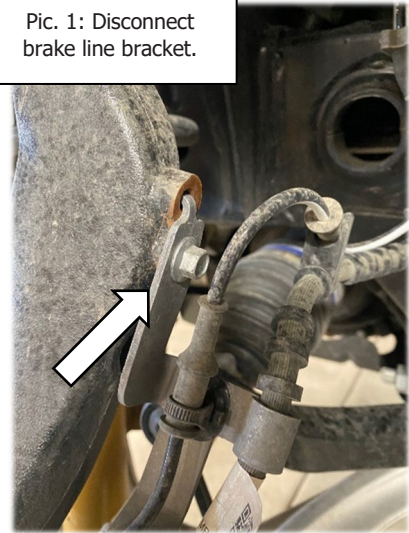
Installation Guide (FRONT)

1. Read the guidelines on Page 2 for instructions on how to safely lift the vehicle.
2. Remove both front wheels from the vehicle.

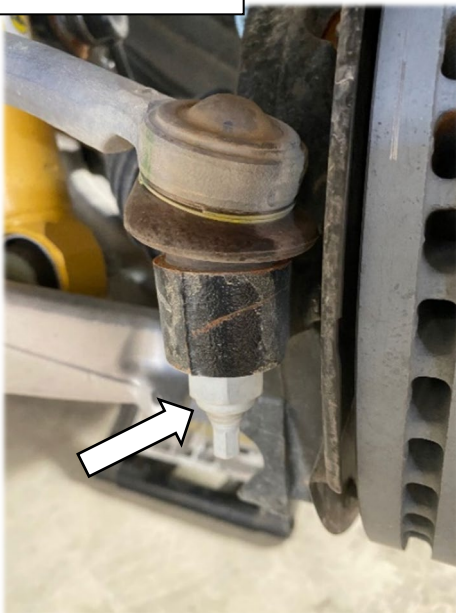
Removing the Stock Shocks...

3. Disconnect the brake line bracket from the spindle. (Pic. 1)
4. Detach the tie rod end link at the spindle steering arm for removal and installation clearance. (Pic. 2)
5. Disconnect the sway bar end link from both lower control arms. (Pic. 3)

Pic. 1: Disconnect brake line bracket.

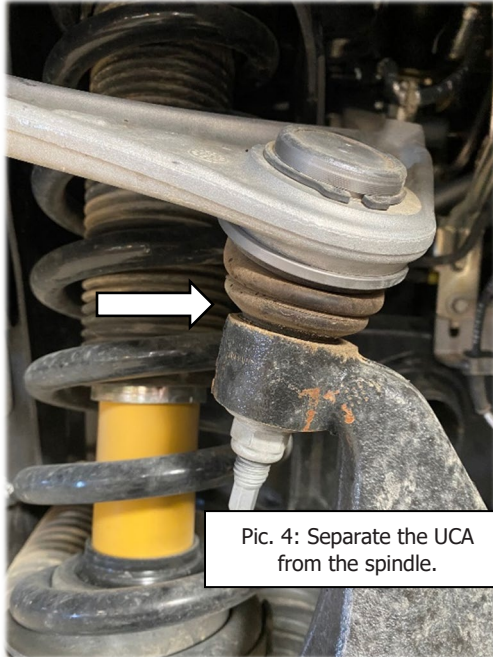


Pic. 2: Detach tie rod.



Pic. 3: Detach end link.





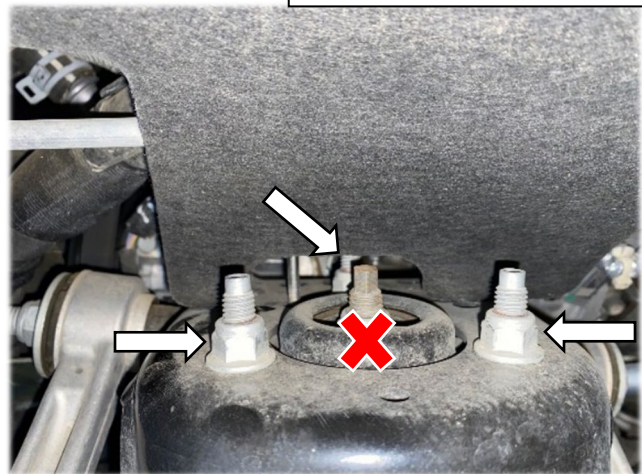
Pic. 4: Separate the UCA from the spindle.

6. Remove the axle nut from the spindle and push the axle shank flush with the face of the rotor.

7. Remove the nut connecting the upper control arm to the spindle. Separate the UCA from the spindle. (Pic. 4)

8. Remove the three top hat nuts that secure the stock coil over assembly. **DO NOT remove the center nut. Removal of the center nut will release the spring from the shock assembly and may result in serious injury or death.** (Pic. 5)

Pic. 5 Remove three top hat nuts.



9. Remove both of the bar-pin bolts connecting the coil over to the lower control arm (Pic. 6). You are now able to remove the stock coil over assembly. You may need to use a pry bar to remove the top of the coil over from the bucket.



Pic. 6 Remove both bar-pin bolts from the lower control arm.

**DO NOT DISCARD OR
HARDWARE. IT WILL
BE USED AGAIN WITH
YOUR RADFLO
SHOCKS.**

Radflo Front Coil Over Installation...

If you're installing an aftermarket UCA, install this prior to installation of your new Radflo Coil Overs. Follow the UCA Manufacturer's instructions. When finished with the UCA installation, proceed with installing the Radflo Coil Overs.

NOTE: We recommend using a medium-strength thread-lock on all bolts.

10. Install your new Radflo Coil Overs with the hose fitting facing outboard and towards the front of the vehicle. (Pic. 7)
11. Mount the three supplied top hat nuts and torque to 24 ft-lbs.
12. Secure the two supplied bar-pin bolts to the lower shock mount and torque to 50 ft-lbs.
13. Reattach the UCA to the spindle with the ball joint bolt. Support the axle during the reinstallation. Fasten the nut to both the axle nut and UCA. Torque the nuts to OEM specs.
14. Reinstall the tie rod end, sway bar end link, and brake bracket bolt. Torque all hardware to OEM specs.
15. Secure the remote reservoir to the Radflo Universal Reservoir bracket in the next steps.



Pic. 7 Install new Radflo Coil Overs!

Reservoir Bracket Installation...

16. Radflo's Universal Reservoir bracket will require self-tapping screws and drilling a 1/4" pilot hole into the frame's cross-member. (Pic. 8)



Pic. 8 Reservoir Mount location.

17. Start by holding the reservoir up to the area picture below to ensure it will work and the hose is fed to the location correctly. Now hold the universal bracket in place and mark where you will need to drill.

18. Drill a 1/4" pilot hole where you have marked. Hold the bracket in place and using two self-tapping screws, secure the bracket to the frame. *Note: self-tapping screws can be difficult to tighten – if this occurs, back out one turn and then continue to tighten.*

19. With the bracket secured, tighten the two hose clamps around the mount and remote reservoir until held firmly in place.

Installation Guide (REAR)

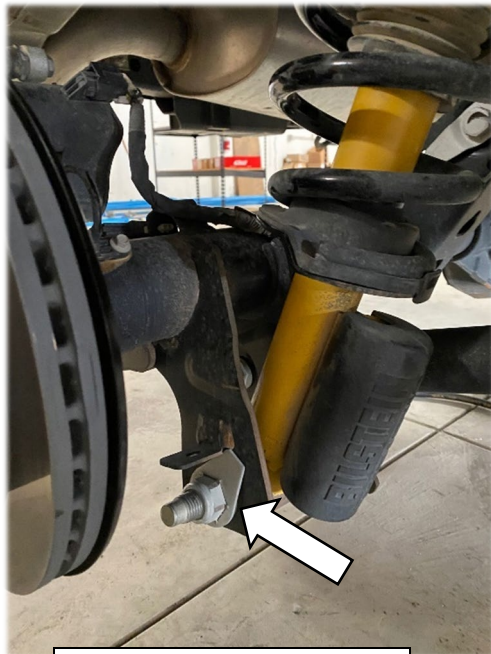
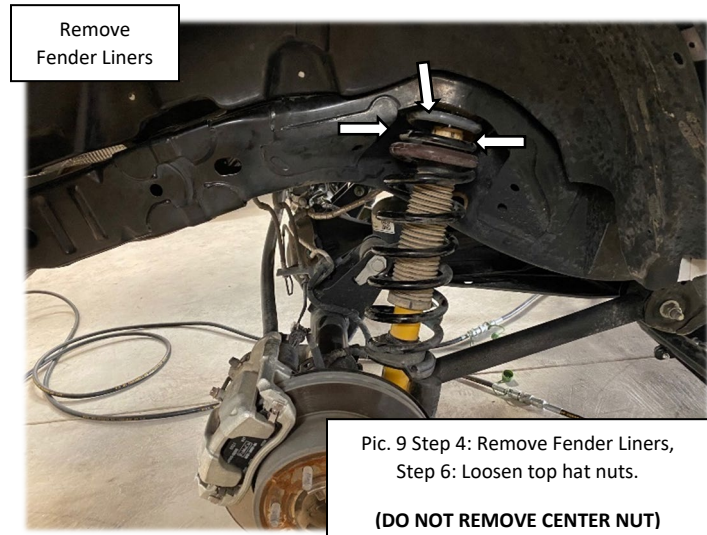
1. Read the installation guidelines on Page 2 for instructions on how to safely lift and secure the vehicle.

3. Remove both rear wheels from the vehicle.

4. Support the center of the differential with a jack stand.

5. Remove the fender liners from the rear wheel wells. (Pic. 9)

6. Loosen the coil over's lower mounting bolt (Pic. 10) and three top hat nuts (Pic. 9). **DO NOT remove the center nut. Removal of the center nut will release the spring from the stock shock assembly and may result in serious injury or death!**



7. Remove the top hat nuts first, then the lower shock mount bolt.

8. Slide the stock coil over out.

Radflo Rear Coil Over Installation...

NOTE: We recommend using a medium-strength thread-lock on all bolts.

9. Orient the Radflo coil over with the hose fitting and hose pointing to the rear of the vehicle. (Pic. 11)



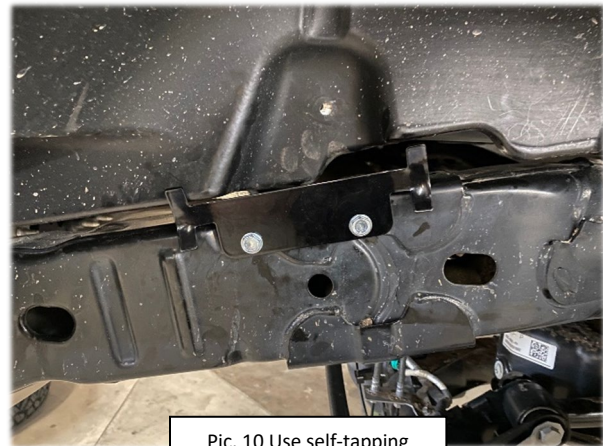
Pic. 11 Radflo Rear Coil Overs

10. First, attach the three top hat nuts and torque to 24 ft-lbs.

11. By carefully removing the jack stand under the rear axle, droop out the axle to install the lower shock bolt. Radflo has used offset spacers for the rear shock with the larger spacer being mounted inboard and the smaller spacer outboard. Install these spacers with the rear lower bolt and torque to 160 ft-lbs.

12. Secure the remote reservoir to the already installed rear remote reservoir bracket and tighten the clamps until the remote reservoir is firmly held in place.

Reservoir Bracket Installation...



Pic. 10 Use self-tapping screws to secure bracket.

13. Position the rear remote reservoir bracket in the notched section behind the shock. Mark the two bolt holes for the reservoir bracket onto the frame.

Note: there is a large indentation in the plastic fender liner here.

14. Once marked, drill a pilot hole into the frame and then use self-tapping screws to secure the reservoir bracket to the frame. (Pic. 10)

Before you hit the trails...

15. Check that the suspension has proper clearance throughout the entire range of travel.

16. Reinstall your wheels and torque to OEM specifications.

17. Set the vehicle back on the ground and drive a short distance to allow the suspension to settle. If you find you need to adjust ride-height, please only use a Radflo Spanner Wrench to adjust to the collars.

18. We highly recommended that you have your wheel alignment checked by a professional after making these modifications.

Warranty...

Radflo products are warranted free from defects in materials and workmanship for a period of 12 months from the date of initial purchase by the original retail purchaser. All warranty claims must be accompanied by the original sales receipt, a clear description of the problem and a return authorization number. Radflo Suspension Technology's obligation under this warranty covers repair or replacement of any part found to be defective, and it reserves the right to all final warranty or non-warranty decisions. Radflo does not warrant the product for finish, alterations, modifications and/or installation contrary to Radflo instructions. This warranty does not cover products not manufactured by Radflo such as bearings and coil-springs. These may or may not be covered under the original manufacturer's warranty. Radflo shocks are considered a serviceable shock and as such, re-building services are offered, or re-build kits are available for purchase.

Radflo Suspension Technology does not warranty any damage that has occurred when:

- The product has been abused, misused, or improperly installed
- The product has been improperly disassembled, reassembled or serviced
- The product has been altered, modified, or fitted with non-factory parts
- The product has been improperly lubricated or filled with non-factory oil
- The product has been damaged by collision
- The exterior finish has been damaged by chemicals or corrosive cleaners
- The product has been damaged or lost during shipping (full value insurance is recommended)

Service...

Radflo shocks should only be serviced by a professional shock technician. Radflo recommends serving your shocks at least every 50,000 miles or as needed based on usage, wear and tear and performance degradation. If you notice a shock not performing as it should, please contact your Radflo Authorized Dealer or Radflo directly. Radflo offers shock servicing and rebuilds at our facility. Please contact us for pricing and availability of these services.