



RANGER

2019+ Ford Ranger 2WD/4WD 2" front leveling kit installation guide

Professional installation is recommended

IMPORTANT!

Lifting and modifying the suspension on your vehicle may result in drive line vibrations, damaged bushings, erratic handling characteristics, and shortened suspension component life. HRG Offroad recommends the following:

- Checking and/or replacing worn drive axles with new parts, not remanufactured.
- Checking and/or replacing all worn factory rubber bushings with urethane bushings, such as Prothane.
- Checking and/or replacing worn shock absorbers and bump stops.
- Performing a 4 wheel alignment after working on suspension components.

Lift kits may not be legal for use on public highways in your area. Please check local laws before installing!!

WARNING!

Lifted vehicles are more prone to rolling over.

Some HRG Offroad products are designed to improve off-road capabilities. Modifying the suspension of your vehicle may result in handling characteristics that are different from a factory equipped vehicle. Extreme care must be used to prevent a rollover or loss of control. Always operate your modified vehicle at a reduced speed to ensure your ability to maintain control under all driving conditions. Driving your vehicle in an unsafe manner may result in serious injury or death. HRG Offroad lift kits are designed and tested to work together. HRG Offroad does not recommend combining this lift kit with any other type of suspension or body lift. Always wear your seat belt.

Recommended tire/wheel sizes:

265/70/17

255/75/17

265/65/18

Included in the kit:

2 1.5" front lift spacers 5060

6 M10 nuts

Tools required:

Floor Jack or lift, lug wrench, impact wrench, metric socket set to 19mm, metric wrench set to 19mm, bench vise, heavy hammer.

Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

Step 3. Using a 15mm socket, remove 4 bolts holding skid plate, remove skid plate.

Step 4. Disconnect 3 plugs connecting electric steering assist (next to front differential)

Step 5. Disconnect ABS wire and brake line from knuckle.

Step 6. Remove nut holding driver side knuckle to upper control arm.

Step 7. Strike knuckle to release ball joint. (see photo)



NOTE: Do not allow the steering knuckle to fall loose, as the axle may come out of the inner CV joint.

Step 8. Support knuckle with floor jack or screw jack.



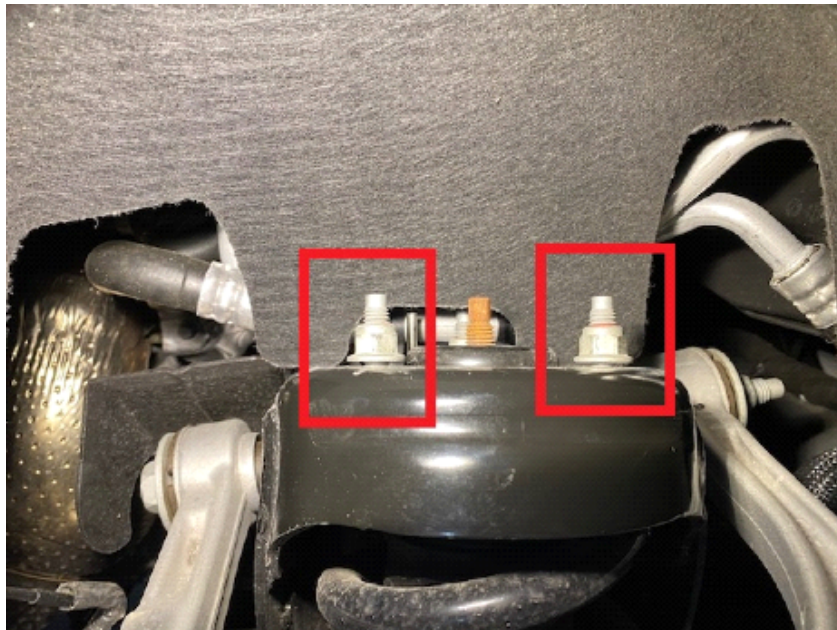
Step 9. Remove nut holding sway bar end link to lower control arm.

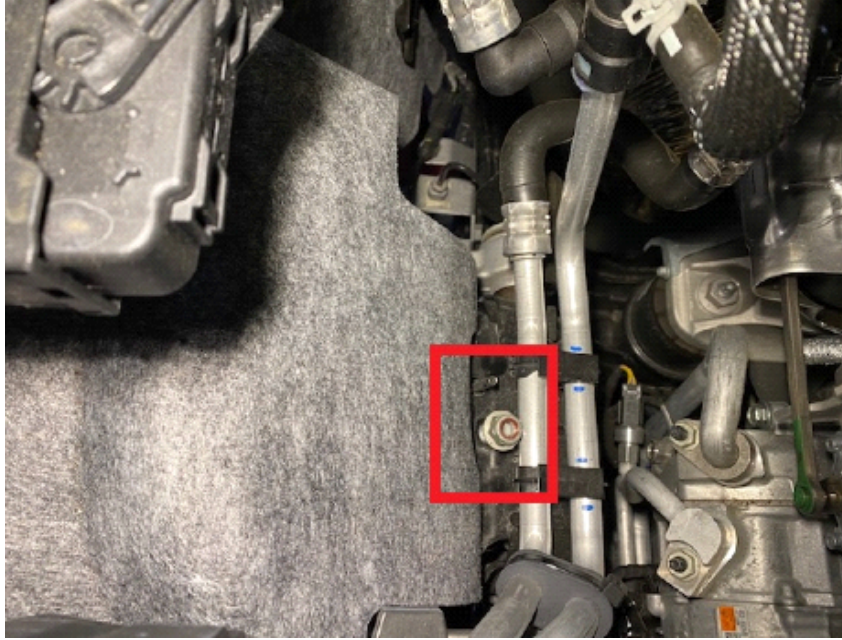


Step 10. Remove 2 nuts holding the bottom of the strut to the lower control arm.



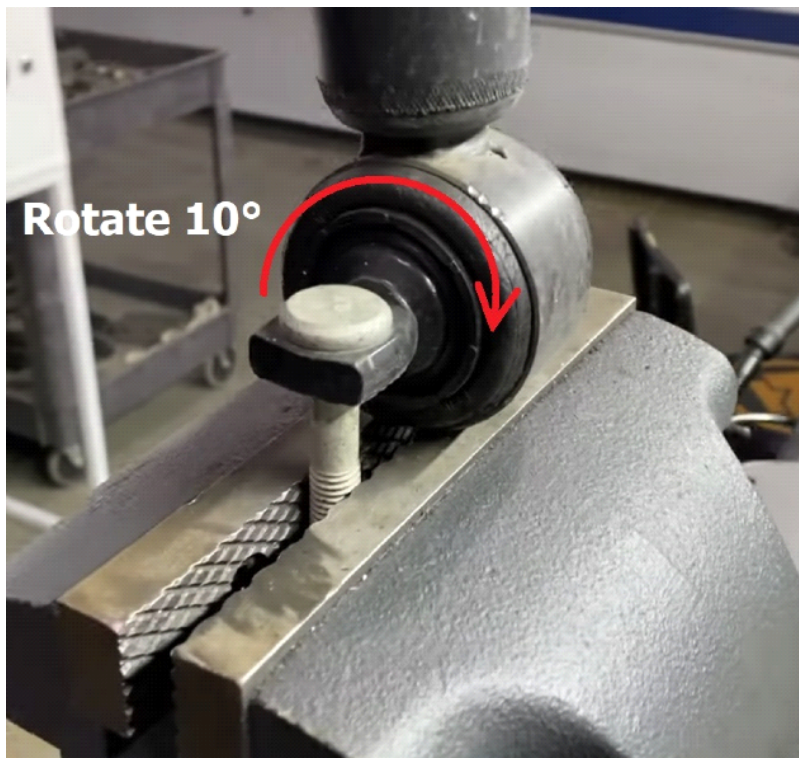
Step 11. Remove 3 nuts holding top of strut to frame.





Step 12. Remove strut. Save hardware for reinstallation.

Step 13. Clamp strut in bench vise and rotate lower bushing to clock the lower strut studs 10°. See photo:



Step 14. Remove lower strut studs by striking with heavy hammer. (see photo)



Step 15. Install spacer onto strut using OEM hardware.



Step 16. Mount strut back into vehicle using hardware provided with the kit.



Step 17. Drop lower strut mounting studs in and then tighten nuts to pull them into place. (see photo)



Step 18. Using a floor jack or screw jack, lift lower control arm into position so the knuckle and upper control arm line up.



Step 19. Using 2 wrenches, tighten ball joint nut in upper control arm. (see photo)



Step 20. Reconnect ABS and brake line wiring to knuckle

Step 21. Repeat steps 5-20 for passenger side.

Step 22. At this time, install sway bar link nuts on both driver and passenger side.

Step 23. Double check all bolts. Mark bolts that have been double checked with a paint pen.

Step 24. Reinstall front wheels.

Rear installation:

Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

Step 3. Support rear axle with floor jack or screw jacks. (see photo)



Step 4. Remove driver side lower strut bolt. (see photo)



Step 5. If necessary, pull back driver side fender liner to access upper strut mounting bolts. (see photos)



Step 6. Remove strut.

Step 7. Attach lift spacer to strut using OEM hardware.



Step 8. Install strut using hardware provided with the kit.

Step 9. Carefully drop rear axle approximately 2 inches.

Step 10. Reinstall lower shock bolt.

Step 11. Repeat steps 4-10 for passenger side.

Step 12. Double check all bolts. Mark bolts that have been double checked with paint pen.

Step 13. Reinstall rear wheels.

Step 14. Get a professional 4-wheel alignment.



Note: Installing a lift kit will change the suspension geometry and will require a 4-wheel alignment.

Warning: Failure to follow the procedures in these installation instructions may result in unsafe handling characteristics, damage to vehicle, or loss of control.

For tech support, please call 1-844- HRG LIFT (474-5438) from 8-4:30 PM EST Mon-Thu 8-3:30 PM Fri or email us 24/7 at support@hrgoffroad.com.

This product is intended for off-road use only!!

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