TUFF COUNTRY™

EZ-RIDE™ SUSPENSION

Installation Manual 2011 - 2021 Jeep WK2 2011 - 2020 Durango 2.5” lift Part # 42106

SS12182018

Part # 42106

Description	*Qty.*
Front upper strut spacer	2
Front strut pre load spacer	2
Rear coil spacer	2
Rear shock spacer	2
60300BAG	1
10mm flat washers	4
10mm x 40mm bolts	4
8mm Nylock nuts	6

Congratulations on your selection to purchase a Tuff Country EZ-Ride Suspension System. We at Tuff Country EZ-Ride Suspension are proud to offer a high quality product at the industries most competitive pricing. Thank you for your confidence in us and our product.

The Tuff Country EZ-Ride Suspension product safety label that is included in your kit box must be installed inside the cab in plain view of all occupants.

For a list of parts, please refer to the back of the installation manual for photos of parts that are included in this suspension system.

Make sure to use thread locker or loctite on all new and stock hardware associated with the installation of this suspension system.

After the completion of the installation, a front end alignment is required.

Important customer information:

Tuff Country EZ-Ride Suspension highly recommends that a qualified or a certified mechanic performs this installation.

It is the responsibility of the customer/installer to wear safety glasses at all times when performing this installation.

It is the customers/installers responsibility to read and understand all steps before installation begins. If you have any questions or concerns, please contact our technical department @ (801) 280-2777. Also, the OEM manual should be used as a reference guide.

This vehicles reaction and handling characteristics may differ from standard cars and/or trucks. Modifications to improve and/or enhance off road performance may raise the intended center of gravity. Extreme caution must be utilized when encountering driving conditions which may cause vehicle imbalance or loss of control. DRIVE SAFELY! Avoid abrupt maneuvers: such as sudden sharp turns which could cause a roll over, resulting in serious injury or death.

It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every off road use.

After the original installation, Tuff Country EZ-Ride Suspension also recommends having the alignment checked every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension takes no responsibility for abuse, improper installation or improper suspension maintenance.

Limited lifetime warranty

Notice to all Tuff Country EZ-Ride Suspension customers: It is your responsibility to keep your original sales receipt! If failure should occur on any Tuff Country EZ-Ride Suspension component, your original sales receipt must accompany the warranted unit to receive warranty. Warranty will be void if the customer can not provide the original sales receipt. Do not install a body lift in conjunction with a suspension system. If a body lift is used in conjunction with any Tuff Country EZ-Ride Suspension product, your Tuff Country EZ-Ride Suspension WARRANTY WILL BE VOID. Tuff Country Inc. ("Tuff Country") suspension products are warranted to be free from defects in material and workmanship for life if purchased, installed and maintained on a non-commercial vehicle; otherwise, for a period of twelve (12) months, from the date of purchase and installation on a commercial vehicle, or twelve thousand (12,000) miles (which ever occurs first). Tuff Country does not warrant or make any representations concerning Tuff Country Products when not installed and used strictly in accordance with the manufacturer's instructions for such installation and operation and accordance with good installation and maintenance practices of the automotive industry. This warranty does not apply to the cosmetic finish of Tuff Country products nor to Tuff Country products which have been altered, improperly installed, maintained, used or repaired, or damaged by accident, negligence, misuse or racing. ("Racing is used in its broadest sense, and, for example, without regards to formalities in relation to prizes, competition, etc.) This warranty is void if the product is removed from the original vehicle and re-installed on that or any other vehicle. This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title. All implied warranties are limited to the duration of this warranty. The remedies set forth in this warranty are exclusive. This warranty excludes all labor charges or other incidental of consequential damages. Any part or product returned for warranty claim must be returned through the dealer of the distributor from whom it was purchased. Tuff Country reserves the right to examine all parts returned to it for warranty claim to determine whether or not any such part has failed because of defect in material or workmanship. The obligation of Tuff Country under this warranty shall be limited to repairing, replacing or crediting, at its option, any part or product found to be so defective. Regardless of whether any part is repaired, replaced or credited under this warranty, shipping and/or transportation charges on the return of such product must be prepaid by the customer under this warranty.

Important information that needs to be read before installation begins:

Tuff Country recommends a 33" x 11.5 x R20 tire on a 20 x 8.5" wheel with 5.75" backspacing once part #42106 has been installed. The OEM tires and wheels can be used in conjunction with this lift kit. If a wider tire is installed on the stock wheel, contact with suspension components may occur. Due to different types of tread patterns, some aggressive tires in this size recommendation may require slight trimming of inner fender plastic. **Our tire and wheel fitments are only a guideline. Different production times or tolerances will vary and this size should only be used as a starting point. Each vehicle is different and will need to be treated as such.**

Before installation begins, Tuff Country EZ-Ride Suspension highly recommends that the installer performs a test drive on the vehicle. During the test drive, check to see if there are any uncommon sounds or vibrations. If uncommon sounds or vibrations occur on the test drive, uncommon sounds or vibrations will be enhanced once the suspension system has been installed. Tuff Country EZ-Ride Suspension highly recommends notifying the customer prior to installation to inform the customer of these issues if they exist.

This Suspension kit comes with (1) installation manual and some post installation procedure literature and it is the installers responsibility to make sure that the customer receives the post installation procedure literature. If a customer would like a copy of the installation manual, please have them visit our website at www.tuffcountry.com. Have them go to the customer care section to download these instructions. If you have any questions, please feel free to call us at (801) 280-2777.

Recommended tool selection:

Wall mounted strut compressor
Jack stands
Torque wrench
Standard socket set
Standard wrench set
Metric socket set
Metric wrench set
Hydraulic floor jacks

Actual Parts may vary slightly from the parts in these photographs.

Please follow instructions carefully:

Before installation begins, measure from the center of the hub, to the bottom of the fender well, and record measurements below.

Pre-installation measurements:

Driver side front:_____
Passenger side front:_____
Driver side rear:_____
Passenger side rear:_____

At the end of the installation take the same measurements and compare to the pre-installation measurements.

Post installation measurements:

Driver side front:_____
Passenger side front:_____
Driver side rear:_____
Passenger side rear:_____

Front end installation:

1. Jack up the front of the vehicle and support the vehicle with jack stands, so that the front wheels are off the ground. Chock the rear wheels.

2. Remove the front tires/wheels, using a 22 mm deep well socket.

3. Using a 13mm socket, remove the front skid plate. Save the hardware

4. Unplug the electric power steering.

5. Using a 21mm wrench, loosen the tie rod end nut. **Do not completely remove.**

6. Using a hammer, hit the knuckle at the tie rod end to release the taper. Remove and retain the hardware for re-use.

7. Using a 19mm wrench and an 8mm socket, remove the sway link from the sway bar. Retain the hardware for re-use.

8. Using a 21mm wrench, loosen the upper ball joint nut. **Do not completely remove.**

9. Using a hammer, hit the knuckle at the upper ball joint to release the taper. Remove the nut and retain for re-use.

10. Using a 10mm socket, remove the ABS sensor from the knuckle. Retain the hardware for re-use.

11. Using a 21mm socket, remove the brake caliper and hang the caliper out of the way. Retain hardware for re-use. **Do not hang caliper by the brake line**

12. Remove the rubber o-ring from the hub and remove the brake rotor. Retain the o-ring for re-use.

13. Using a 32mm socket, remove the axle nut. Retain for re-use.

14. Using a 24mm wrench and an 8mm Allen, remove the lower ball joint nut.

15. Remove the knuckle from the Jeep.

16. Using 21mm and 24mm wrenches, remove the lower strut hardware. Retain the hardware for re-use.

17. Some models require removal of an electrical relay on the passenger side. Remove the plastic cover and use a 10mm socket to unbolt the assembly. Unclip the harness and move until upper strut nuts are accessible.

18. Using a 13mm socket, remove the upper strut hardware from under the hood. Retain hardware for re-use.

19. **Read entire step:** Slightly pull the axle out of the diff housing and rest on the lower control arm. **Take care to not damage the boot.**

20. Remove the axle and strut together to prevent strut fork from damaging CV boot.

21. Install the supplied strut spacer on the strut using the supplied 8mm hardware. Tighten using a 13mm wrench.

22. Place the strut assembly into a strut compressor as shown, mark the top-hat, top of the coil and the isolator, then mark the bottom of the coil spring and strut body as shown in the photo.

23. Carefully compress the strut and rotate the bottom of the strut 180°

24. Keeping the strut compressed, remove the top nut using a 18mm socket. Retain hardware

25. Remove the strut hat and factory isolator.

26. Install the supplied pre load spacer between the factory isolator and the strut hat.

27. Install the strut hat assembly into the coil, making sure to align the marks made on the top-hat, top of the coil and isolator in step 22. **Special note: Make sure that the mark on the bottom of the coil is still 180° from the mark on the strut body.**

28. Place the strut and coil assembly in the strut compressor, compress the strut, and install the factory top nut using an 18mm socket.

29. Install the strut assembly and axle on the vehicle using the factory hardware for the upper and lower mounts torque to factory specs.

30. Install the knuckle on the lower ball joint and tighten using 24mm wrench and an 8mm Allen.

31. Install the axle nut and torque to factory specs using a 32mm socket

32. Install the brake rotor and o-ring.

33. Install the brake caliper using the factory hardware. Torque to factory specs using a 21mm socket.

34. Install the ABS sensor into the knuckle using a 10mm socket

35. Install the upper ball joint into the knuckle and tighten using a 21mm wrench

36. Install the sway link into the sway bar using the factory hardware. Tighten using a 19mm wrench and an 8mm socket.

37. Install the tie rod end into the knuckle and tighten using a 21mm socket.

38. Repeat steps 5 - 37 on the opposite side of the vehicle

39. Connect the electric power steering plug.

40. Install the factory skid plate using the factory hardware, torque to factory specs using a 13mm socket.

41. Install the wheels and tires and lower the vehicle to the ground.

Rear Installation

1. Using an 18mm wrench and socket, remove the tow bar from the knuckle.

2. Using 18mm and 8mm wrenches, remove the sway link from the sway bar. Retain hardware

3. Using an 18mm wrench and socket, remove the 2 upper control arms from the knuckle. Retain the hardware.

4. If applicable, remove the ride height sensor linkage using a 10mm wrench

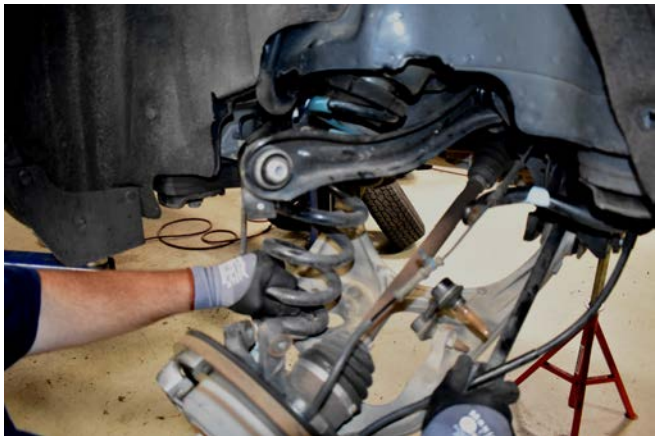
5. Using a 10mm socket, remove the ABS line from the brake caliper and hang out of the way.

6. Place a jack under the lower control arm to support it.

7. Using 21mm and 24mm wrenches, remove the lower shock hardware. Retain the hardware

8. Mark the position of the coil spring in relation to the vehicle body and upper coil spring isolator .

9. Slowly lower the jack and remove the coil spring.



10. Remove the lower coil isolator from the lower control arm by pushing in on the clips from the underside. **Note the position of the lower isolator in the lower control arm as the new supplied spacer will be oriented the same, in the following step.**

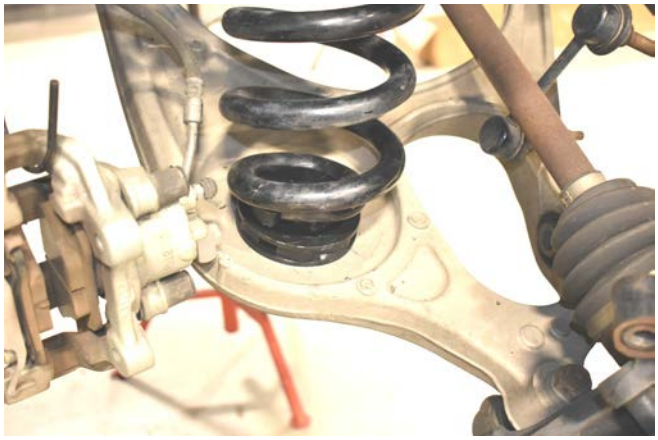
11. Remove the push pins from the inner fender just behind the shock.

12. Using a 16mm socket, remove the upper shock bolts

13. Install the supplied spacer on top of the shock and install in the upper mount using the supplied 10mm x 40mm bolts and washers. Torque to 32 ft lbs using a 16mm socket

14. Install the supplied lower preload spacer in the lower control arm OVER the OE coil isolator.

15. Install the factory coil spring in the upper mount and on the lower isolator with the newly installed spacer.



16. Install the shock on the lower control arm. Torque the bolt to factory specs using the 24mm wrench and 21mm socket.

17. Attach the sway link to the sway bar using the factory hardware. Tighten using 18mm and 8mm wrenches.

18. Install the upper control arms using the factory hardware. Torque to factory specs using the 18mm wrench and socket.

19. Install the toe link using the factory hardware.

20. Repeat process on the opposite side of the vehicle.

21. Install the wheels and tires and lower the vehicle to the ground.

Installation Complete!
Check and double check to make sure that all steps were performed properly. After the completion of this install, Tuff Country Recommends taking the vehicle in for a complete front end alignment.
Tuff Country EZ-Ride Suspension recommends that a complete re-torque is done on all bolts associated with this suspension system. It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with the system after the first 100 miles of installion. It is also the Customers responsibil-ity to do a complete re-torque after every 3,000 miles or after every off road use. Neglect of following these steps could cause brackets to come loose and cause serious damage to the suspension system and to the vehicle.