



TUFF COUNTRY

EZ-RIDE SUSPENSION

PART NO. J24B:
 JEEP CJ5 & CJ7 2" & 4" SUSPENSION LIFT
 PARTS LIST:

| Qty. | Description | Part No. |
|------|---------------------------------------|-----------|
| 7 | 1/2" X 2 1/2" X 7" Round U-bolt | 5U-121R |
| 1 | 1/2" x 3" x 7 3/4" Round U-bolt | 5U-1503R |
| 2 | 1/2" U-Bolt High Nuts and Washers | 12NW |
| 6 | 1/2" X 3/4" Transfer Case Drop Sleeve | 1234SL |
| 6 | 3/8" x 2 1/4" Transfer Case Drop Bolt | 38214B |
| 1 | Brakeline Extensions | FBL |
| 2 | 4 Degree Axle Shims | DS401 |
| 2 | 3/8" Centering Bolt & Nuts | CB381 |
| 1 | Instruction Sheet | J24B-INST |

Special Note: Transfer Case Drop Kit is included in this box kit. The transfer case drop kit should only be installed if vibration occurs. In some cases the transfer case does not need to be drop and the transfer case kit is not needed. Once installation is done, drive the vehicle and see if any vibration occurs, if vibration occurs refer to installation step # 30 - 31 and perform the transfer case drop kit installation.

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

***Important Notes:** Please read before beginning installation. OEM Manual should be used as a reference.

TUFF COUNTRY SUSPENSION highly recommends a qualified and or certified mechanic to perform this installation.

Check off parts list to be sure all parts are on hand. If any part is missing, you may call Tuff Country at: (800) 288-2190.

Read and understand all sections of instruction manual. Use locktite on all bolts associated with this installation.

Torque Settings:

| | |
|-------|------------------|
| 5/16" | 15-18 ft. lbs. |
| 3/8" | 28-32 ft. lbs. |
| 7/16" | 30-35 ft. lbs. |
| 1/2" | 65-85 ft. lbs. |
| 9/16" | 75-90 ft. lbs. |
| 5/8" | 85-110 ft. lbs. |
| 3/4" | 105-125 ft. lbs. |

INSTALLATION MANUAL

2" & 4" SUSPENSION LIFT
 1976 - 1986 JEEP CJ5 & CJ7

SJ020299

WARNING: TUFF COUNTRY EZ-RIDE SUSPENSION HIGHLY RECOMMENDS THAT A CERTIFIED MECHANIC PERFORMS THIS INSTALLATION.

WARNING

If you desire to return vehicle to stock make sure to save all stock components.

IMPORTANT CUSTOMER INFORMATION

This vehicle's 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 customer's responsibility to make sure a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customer's responsibility to do a complete re-torque after every 1000 miles or after every off road use.

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

IMPORTANT NOTICE

DO NOT install a body lift in combination with a suspension system. If a body lift is used in conjunction with any Tuff Country Suspension product, your Tuff Country WARRANTY WILL BE VOID.

NOTICE

It is the responsibility of the customer or the mechanic to wear safety glasses at all times when working with air tools.

Please Follow Instruction Carefully

Before installation begins, drive and check to make sure there are no uncommon sounds and or frame damage. Also at this time measure from the center of the hub to the bottom of fender well and record:

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 Measurement:

Driver Side Front _____
Passenger Side Front _____
Driver Side Rear _____
Passenger Side Rear _____

Front End Installation:

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support the frame with jack stands. Place jack stands on both the driver and the passenger side. Next remove the wheels, tires and shocks from both side.

2. Position a hydraulic floor jack under the front axle and raise up on jack until it comes into contact with the axle.

3. Remove anti-sway bar connecting links, if so equipped.

If installing the 2" lift please follow instruction steps 4 - 9.

If installing the 4" lift please follow instruction steps 10 - 15

4. On the driver side safely remove stock U-bolts and discard. Set lower stock shock bracket aside for later re-installation. Jack up on axle approximately 2" so stock front spring can be removed.

5. Safely remove the front and rear stock spring eye bolts and save for later re-installation. Remove stock spring and discard.

6. Locate the new front leaf springs: **TCIJ2FM (This spring is rated as a Heavy Duty Spring) or TCIJ2FEZ (This spring is rated as a E-Z Ride Spring)**. Remove the spring eye bushing and sleeve. **Note: Make sure to use a lithium base or moly grease prior to inserting bushings into springs. This will increase the life of the bushing as well as prevent squeaking.** Install new spring into stock location and secure using stock spring eye bolts. **Note: Do not tighten at this point.**

7. Locate (2) 1/2" x 2 1/2" x 6 1/2" U-bolts and 1/2" high nuts and washers. On the driver side, safely lower axle until new spring comes into contact with axle. Install new U-bolts and stock lower shock bracket at this time. Torque U-bolts to 85 ft. lbs.

Repeat steps 6 and 7 on passenger side. Special Note: When installing the U-bolts on the passenger side front spring, there is a wider U-bolt, this U-bolts need to go around the differential.

Longer shocks are recommended on the 2" suspension system. Tuff Country recommends a 20" fully extended hydraulic shock. Tuff Country part # LL203.

8. Install shocks, tires and wheels. Re-install anti-sway bar connecting links, if so equipped.

9. Once the weight is on the vehicle Tighten the spring hanger to 80 ft. lbs. On the spring shackle tighten the spring eye bolt to 25 ft. lbs. Repeat procedure on passenger side.

Front end installation complete on the 2" lift. For the rear end follow steps 16 - 23.

If installing the 4" lift please follow instruction steps 10 - 15. for the front end.

10. On the driver side safely remove stock U-bolts and discard. Set lower stock shock bracket aside for later re-installation. Jack up on axle approximately 2" so stock front spring can be removed.

11. Safely remove the front and rear stock spring eye bolts and save for later re-installation. Remove stock spring and discard.

12. Locate the new front leaf springs: **TCIJ4FM (This spring is rated as a Heavy Duty Spring) or TCIJ4FEZ (This spring is rated as a E-Z Ride Spring)**. Remove the spring eye bushing and sleeve. **Note: Make sure to use a lithium base or moly grease prior to inserting bushings into springs. This will increase the life of the bushing as well as prevent squeaking.** Install new spring into stock location and secure using stock spring eye bolts. **Note: Do not tighten at this point.**

13. Locate (2) 1/2" x 2 1/2" x 6 1/2" U-bolts and 1/2" high nuts and washers. On the driver side, safely lower axle until new spring comes into contact with axle. Install new U-bolts and stock lower shock bracket at this time. Torque U-bolts to 85 ft. lbs.

Repeat steps 12 and 13 on passenger side. Special Note: When installing the U-bolts on the passenger side front spring, there is a wider U-bolt, this U-bolt needs to go around the differential.

Longer shocks are recommended on the 4" suspension system. Tuff Country recommends a 23" fully extended hydraulic shock. Tuff Country part # LL233.

14. Install shocks, tires and wheels. Re-install anti-sway bar connecting links, if so equipped.

15. Once the weight is on the vehicle Tighten the spring hanger to 80 ft. lbs. On the spring shackle tighten the spring eye bolt to 25 ft. lbs. Repeat procedure on passenger side.

Front end installation complete on the 4" lift. For the rear end follow steps 24 - 29

Rear end installation:

16. To begin installation, block the front tires of the vehicle so that the vehicle is stable and can't roll forward. Safely lift the rear of the vehicle and support the frame with jack stands. Place jack stands on both the driver and the passenger side. Next remove the wheels, tires and shocks from both side.

17. Position a hydraulic floor jack under the rear axle and raise up on jack until it comes into contact with the axle.

If installing the 2" lift please follow instruction steps 18 - 23 for the rear end..

If installing the 4" lift please follow instruction steps 24 - 29 for the rear end.

18.. On the driver side safely remove stock U-bolts and discard. Set lower stock shock bracket aside for later re-installation. Jack up on axle approximately 2" so stock rear spring can be removed.

19. Safely remove the front and rear stock spring eye bolts and save for later re-installation. Remove stock spring and discard.

20. Locate the new rear leaf springs: **TCIJ2RM (This spring is rated as a Heavy Duty Spring) or TCIJ2REZ (This spring is rated as a E-Z Ride Spring).** Remove the spring eye bushing and sleeve. **Note: Make sure to use a lithium base or moly grease prior to inserting**

bushings into springs. This will increase the life of the bushing as well as prevent squeaking. Install new spring into stock location and secure using stock spring eye bolts. **Note: Do not tighten at this point.**

21. Locate (2) 1/2" x 2 1/2" x 6 1/2" U-bolts and 1/2" high nuts and washers. On the driver side, safely lower axle until new spring comes into contact with axle. Install new U-bolts and stock lower shock bracket at this time. Torque U-bolts to 85 ft. lbs.

Repeat steps 20 and 21 on passenger side.

Longer shocks are recommended on the 2" suspension system. Tuff Country recommends a 20" fully extended hydraulic shock. Tuff Country part # LL203.

22. Install shocks, tires and wheels.

23. Once the weight is on the vehicle Tighten the spring hanger to 80 ft. lbs. On the spring shackle tighten the spring eye bolt to 25 ft. lbs. Repeat procedure on passenger side.

Rear end installation Complete. Do a test drive, if a vibration occurs the transfer case drop kit may need to be installed if this is the case follow step # 30 - 31

If installing the 4" lift please follow instruction steps 24 - 29 for the rear end

24.. On the driver side safely remove stock U-bolts and discard. Set lower stock shock bracket aside for later re-installation. Jack up on axle approximately 2" so stock rear spring can be removed.

25. Safely remove the front and rear stock spring eye bolts and save for later re-installation. Remove stock spring and discard.

26. Locate the new rear leaf springs: **TCIJ4RM (This spring is rated as a Heavy Duty Spring) or TCIJ4REZ (This spring is rated as a E-Z Ride Spring).** Remove the spring eye bushing and sleeve. **Note: Make sure to use a lithium base or moly grease prior to inserting bushings into springs. This will increase the life of the bushing as well as prevent squeaking.** Install new spring into stock location and secure using stock spring eye bolts. **Note: Do not tighten at this point.**

27. Locate (2) 1/2" x 2 1/2" x 6 1/2" U-bolts and 1/2" high nuts and washers. On the driver side, safely lower axle until new spring comes into contact with axle. Install new U-bolts and stock lower shock bracket at this time. Torque U-bolts to 85 ft. lbs.

Repeat steps 26 and 27 on passenger side.

Longer shocks are recommended on the 4" suspension system. Tuff Country recommends a 23" fully extended hydraulic shock. Tuff Country part # LL203.

28. Install shocks, tires and wheels.

29. Once the weight is on the vehicle Tighten the spring hanger to 80 ft. lbs. On the spring shackle tighten the spring eye bolt to 25 ft. lbs. Repeat procedure on passenger side.

Rear end installation Complete. Do a test drive, if a vibration occurs the transfer case drop kit may need to be installed if this is the case follow step # 30 - 31

30. If after the test drive you need to install the transfer case drop kit, locate (6) 1234SL (Transfer Case Sleeves) and (6) 3/8" x 2 1/4" bolt. Place a jack stand under the middle of the transfer case crossmember. Jack up on jack stand until it comes into contact with the transfer case crossmember. Safely remove the (6) bolts (three per side) that hold transfer case crossmember to frame. Discard bolts.

31. Safely let off on jack approximate 1". Slide new sleeves between transfer case crossmember and frame (three per side). Safely jack up on jack until newly installed sleeves come into contact with frame. Secure stock transfer case crossmember to frame using 3/8" hardware. (three per side). Remove jack.

Congratulations, Installation Complete