



New part # 34701
Old part # D44B
69 - 93 Dodge 1/2 & 3/4 ton Pick up and Ramcharger
4" suspension system

<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
5U-242S	9/16" x 2 9/16" x 8 5/8" square u-bolt	4
CB38	Hardware bag	2
DS41	4 degree axle shim	4
916NW	Hardware bag	1
GMBL	Hardware bag	1
LUBE	Poly lube pack	2
34701INST	Instruction manual (installer copy)	1
34701INST	instruction manual (customer copy)	1
MIRRORHANGER	Rear view mirror hanger	1
WARNINGDECAL	Warning decal	1
DECAL	Window sticker	1

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.

Tuff Country EZ-Ride Suspension packages (2) sets of instruction sheets with this box kit. (1) is for the installer and (1) is for the customer. The (1) for the customer has some post installation procedure literature and it is the installers responsibility to make sure that the customer receives a copy of the installation manual along with the literature.

If you desire to return your vehicle to stock, it is the customers responsibility to save all stock hardware.

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.

Installation manual

4" suspension system

1969 - 1993 Dodge

1/2 & 3/4 ton pick up and Ramcharger.

New part # 34701

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sj073108rev.01

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 33x12.50 tire package. If larger than a 33x12.50 tire is installed on your vehicle in conjunction with part # 34701; Tuff Country assumes no liability and the warranty will be VOID.

The new front and rear springs need to be ordered as a separate part #. If you have not already ordered your new front and rear springs, please contact Tuff Country or your local Tuff Country dealer and order the new front and rear springs. Part # for the new front springs are 38470 (old part # is TCI-D4M) and the part # for the rear springs are 39670 (old part # TCI-D6R)

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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.

New longer front and rear shocks are needed after this suspension system has been installed and the front and rear shocks need to be ordered as a separate part #. If you have not already ordered your new front and rear shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your new front and rear shocks. Tuff Country recommends installing a 23" fully extended nitrogen gas shock in the front and a 30" fully extended nitrogen gas shock in the rear.

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

Special note: Before installation begins, it is the customers/installers responsibility to make sure that all parts are on hand. If any parts are missing, please feel free to call one of our customer service representatives @ (801) 280-2777.

Recommended tools selection:

- Cut off wheel
- Torque wrench
- Standard socket set
- Standard wrench set
- Metric socket set
- Metric wrench set
- Tape measure
- Hydraulic floor jacks

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. 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 a pair of jack stands. Place a jack stand on both the driver and the passenger side. Next, remove the front wheels and tires from both sides.
2. Working on the driver side, remove the stock shock from the stock location. Save the stock hardware. The stock shock may be discarded. **Special note: New longer front shocks are needed after this suspension system has been installed and the front shocks need to be ordered as a separate part #. If you have not already ordered your new front shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your new front shocks. Tuff Country recommends installing a 23" fully extended nitrogen gas shock in the front.**
3. Place a pair of hydraulic floor jacks under the front differential. Carefully raise up on the hydraulic floor jacks at the same time until they come into contact with the front differential.
4. Working on the driver side, remove the stock u-bolt from

the stock location and save the stock u-bolts and hardware. Also, save the stock u-bolt plates. **Special note: Some Dodge's come equipped with front studs, if this is the case on the vehicle that you are working on, remove the studs and save.** Repeat procedure on the passenger side.

5. Carefully lower down on both hydraulic floor jacks at the same time until the stock springs separate from the stock front axle.
6. Working on the driver side, remove the stock springs from the stock location. Save the stock hardware. The stock springs may be discarded.
7. Locate the new front springs. **Special note: The new front springs need to be ordered as a separate part #. If you have not already ordered your new front springs, please contact Tuff Country or your local Tuff Country dealer and order the new front springs. Part # for the new front springs are 38470 (old part # is TCI-D4M).** Remove the bushings and sleeves from the new front springs and add some lithium or moly base grease to the bushings and sleeves and re-install them back into the new springs. This will help prevent squeaking, the life of the bushings and will also improve ride quality.
8. Working on the driver side, install the new springs into the stock location and secure using the stock hardware. Torque the stock hardware that connects the new spring to the stock spring hanger to **95 ft lbs.** Make sure to use thread locker or loctite. **Special note: at this time, do not torque the stock hardware that connects the new spring to the stock shackle, this will be done once the weight of the vehicle is on the ground.** Repeat procedure on the passenger side.
9. Carefully raise up on the hydraulic floor jacks at the same time until they come into contact with the new front springs.
10. Locate the stock u-bolts, u-bolt hardware and u-bolt plates. Working on the driver side, secure the newly installed front spring to the stock front axle using the stock u-bolts, hardware and u-bolt plates. Torque the stock u-bolts to **95 ft lbs.** **Special note: If the vehicle that you are working on has studs that are used, use the stock studs in the stock location. Make sure to use thread locker or loctite and torque to 95 ft lbs.** Repeat procedure on the passenger side.
11. Remove the hydraulic floor jacks from under the vehicle.
12. Locate the new front shocks. **Special note: New longer front shocks are needed after this suspension system has been installed and the front shocks need to be ordered as a separate part #. If you have not already ordered your new front shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your new front shocks. Tuff Country recommends installing a 23" fully extended nitrogen gas shock in the front.** Working on the new shocks, install the new bushings and proper sleeves that are packaged with the new shocks into each eyelet of the new shocks. **Special note: Make**

sure to use a lithium or moly base grease prior to installing the new bushings and sleeves into the eyelets of the new shocks. This will help with the life of the bushings as well as prevent squeaking.

13. Locate the stock upper and lower shock mounting hardware. Working on the driver side, install the new shocks into the stock location using the stock upper and lower hardware. Make sure to use thread locker or loctite and torque both the upper and lower hardware to **65 ft lbs.** Repeat procedure on the passenger side. **Special note: Tuff Country highly recommends installing shock boots onto the new shocks. If shocks boots are not installed, damage may occur to the piston of the new shock. If you have not already ordered your new shocks boots, please contact Tuff Country or your local Tuff Country dealer and order some new shock boots. Tuff Country offers, dark blue, light blue, gray, black, red or yellow shock boots.**

14. Tuff Country provides new front and rear brake line relocation brackets with this suspension system. If the stock brake lines are too tight, install the new front brake line relocation bracket and hardware.

15. Install the tires and wheels and carefully lower the vehicle to the ground.

16. 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 a pair of jack stands. Place a jack stand on both the driver and the passenger side. Next, remove the front wheels and tires from both sides.

17. Working on the driver side, remove the stock shock from the stock location. Save the stock hardware. The stock shock may be discarded. **Special note: New longer rear shocks are needed after this suspension system has been installed and the rear shocks need to be ordered as a separate part #. If you have not already ordered your new rear shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your new rear shocks. Tuff Country recommends installing a 30" fully extended nitrogen gas shock in the rear.**

18. Place a pair of hydraulic floor jacks under the rear differential. Carefully raise up on the hydraulic floor jacks at the same time until they come into contact with the rear differential.

19. Working on the driver side, remove the stock u-bolt from the stock location. The stock u-bolts and u-bolt hardware may be discarded. Save the stock u-bolt plates. Repeat procedure on the passenger side.

20. Carefully lower down on both hydraulic floor jacks at the same time until the stock springs separate from the stock rear axle.

21. Working on the driver side, remove the stock blocks and discard. Repeat procedure on the passenger side.

22. Working on the driver side, remove the stock springs

from the stock location. Save the stock hardware. The stock springs may be discarded.

23. Locate the new rear springs. **Special note: The new rear springs need to be ordered as a separate part #. If you have not already ordered your new rear springs, please contact Tuff Country or your local Tuff Country dealer and order the new rear springs. Part # for the new rear springs are 39670 (old part # is TCI-D6M).** Remove the bushings and sleeves from the new rear springs and add some lithium or moly base grease to the bushings and sleeves and re-install them back into the new springs. This will help prevent squeaking, the life of the bushings and will also improve ride quality.

24. Working on the driver side, install the new springs into the stock location and secure using the stock hardware. Torque the stock hardware that connects the new spring to the stock spring hanger to **95 ft lbs.** Make sure to use thread locker or loctite. **Special note: at this time, do not torque the stock hardware that connects the new spring to the stock shackle, this will be done once the weight of the vehicle is on the ground.** Repeat procedure on the passenger side.

25. Carefully raise up on the hydraulic floor jacks at the same time until they come into contact with the new rear springs.

26. Locate the 9/16" x 2 9/16" x 8 5/8" square u-bolts. Locate (8) u-bolt high nuts and (8) u-bolt harden washers from hardware bag 916NW. Also, locate the stock u-bolt plates. Working on the driver side, secure the newly installed rear spring to the stock rear axle using the new u-bolts, hardware and stock u-bolt plates. Torque the stock u-bolts to **95 ft lbs.** Repeat procedure on the passenger side.

27. Remove the hydraulic floor jacks from under the vehicle.

28. Locate the new rear shocks. **Special note: New longer rear shocks are needed after this suspension system has been installed and the rear shocks need to be ordered as a separate part #. If you have not already ordered your new rear shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your new rear shocks. Tuff Country recommends installing a 30" fully extended nitrogen gas shock in the rear.** Working on the new shocks, install the new bushings and proper sleeves that are packaged with the new shocks into each eyelet of the new shocks. **Special note: Make sure to use a lithium or moly base grease prior to installing the new bushings and sleeves into the eyelets of the new shocks. This will help with the life of the bushings as well as prevent squeaking.**

29. Locate the stock upper and lower shock mounting hardware. Working on the driver side, install the new shocks into the stock location using the stock upper and lower hardware. Make sure to use thread locker or loctite and torque both the upper and lower hardware to **65 ft lbs.** Repeat procedure on the passenger side. **Special note: Tuff Country highly rec-**

ommends installing shock boots onto the new shocks. If shocks boots are not installed, damage may occur to the piston of the new shock. If you have not already ordered your new shocks boots, please contact Tuff Country or your local Tuff Country dealer and order some new shock boots. Tuff Country offers, dark blue, light blue, gray, black, red or yellow shock boots.

30. Tuff Country provides new front and rear brake line relocation brackets with this suspension system. If the stock brake lines are too tight, install the new rear brake line relocation bracket and hardware.

31. Install the tires and wheels and carefully lower the vehicle to the ground.

32. Move back to the stock hardware connecting the new springs to the stock front and rear shackle and torque the stock hardware to **30 ft lbs. Make sure to use thread locker or loctite.**

33. This box kit is packaged with front and rear axle shims. During the front end alignment, if the caster needs to be adjusted, the 4 degree shims may need to be installed in the front springs. New centering pins are also supplied. If the vehicle that you are working on has a rear drive line vibration, the 4 degree shims may need to be installed in the rear springs. New center pins are also supplied.

34. Check and double check to make sure that all steps were performed properly. And then check them again.

Congratulations, installation complete!

Special note: After the completion of the installation, Tuff Country EZ-Ride Suspension recommends taking the vehicle to an alignment shop and having a proper front end alignment performed.

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 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. Neglect of following these steps could cause brackets to come loose and cause serious damage to the suspension system and to the vehicle.

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If you have any questions or concerns, please feel free to contact Tuff Country or your local Tuff Country dealer.