



D5409, D5416 Installation Instructions 2019-2022 Ram 2500/3500 Manual T-Case Indexing Mount

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

»» PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

»» TECHNICAL SUPPORT

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to tech-zone@ridefox.com detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

Difficulty Level

easy (1) 2 3 4 5 difficult

Estimated installation: .5-1.5 hours

Special Tools Required

Tire/Wheel Fitment

»» PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

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***Important* Verify you have all of the kit components before beginning installation.**

D5409 Kit Contents

Qty Part

Parts Column Header Paragraph Style

- 1 Shifter Extension
- 1 Bolt Pack
 - 1 5/8" x 1-1/2" Bolt
 - 1 5/8" Locking Nut
 - 2 16mm Washer

D5416 Kit Contents

Qty Part

Parts Column Header Paragraph Style

- 1 T-Case Mount
- 1 Shifter Extension
- 1 Bolt Pack
 - 1 5/8" x 1-1/2" Bolt
 - 1 5/8" Locking Nut
 - 2 16mm Washer

Important—measure before starting!

Measure from the center of the wheel up to the bottom edge of the wheel opening

LF _____ RF _____

LR _____ RR _____

THESE INSTRUCTIONS ARE INTENDED TO COINCIDE WITH THE INSTALLATION OF AN ZONE INDEXING RING KIT. PLEASE FOLLOW BOTH INSTRUCTIONS FULLY.

» IF INSTALLING ON A DIESEL TRUCK SKIP TO STEP 3

1. Remove the transmission mount and transmission mount Isolator from the transmission. (Fig 1 & 2)

FIGURE 1



FIGURE 2



2. Install the provided transmission mount and OE transmission mount isolator with OE hardware . Torque the hardware for the new transmission mount to transmission to 45 ft-lbs and transmission Isolator to provided transmission mount to 81 ft-lbs (Fig 3)

FIGURE 3



3. Disconnect the linkage from manual shifter lever on the t-case. Note the orientation of the rubber grommet and remove the rubber grommet from the shifter lever. (Fig 4)

FIGURE 4



4. Install the OE rubber grommet into the shifter lever in the same orientation that it was removed. Then bolt the provided extension to the shifter lever with the 5/8" provided hardware. Ensure the extension is on the outside of the OE lever and the bracket. Torque to 60 ft-lbs. (Fig 5)

FIGURE 5



5. Insert the linkage back into the rubber grommet. Use a little bit of grease to make the installation easier. (Fig 6)

FIGURE 6



6. Some fine tuning of the OE shift linkage length may be needed to ensure proper shifting between drive selection and alignment of the shifters panel.
7. Return to the Indexing Ring Installation Instructions.

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.