



ZOND5408 Installation Instructions

2019-2022 Ram 2500 | 2019-2022 Ram 3500

DEF Tank Relocation

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.

» 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.

Difficulty Level

easy **1** 2 3 4 5 difficult

Estimated installation: hours

Special Tools Required

-Jack

Tire/Wheel Fitment

-See Suspension Lift Instructions

D5408 Kit Contents

Qty	Part
2	DEF Tank Drop Bracket
2	Sleeve
1	Bolt Pack
2	3/8"-16 Nylock Nut
2	3/8" Fender Washer
2	8mm x 30mm Bolt
	5/16" USS Washer

Important*

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

IMPORTANT NOTES

1. This kit is designed to create clearance between the DEF Tank crossmember and the Transfer Case once indexed on a vehicle with a 8-bolt Aisin Transmission with a Mega Cab or/and Dually rear axle.

INSTALLATION INSTRUCTIONS

2. Park the vehicle on clean flat and level surface. Block the rear wheels for safety.
3. Remove the two bolts on top of the DEF tank crossmember securing the exhaust mount. (Fig. 1)



Figure 1

4. Support the DEF tank crossmember with a jack. Loosen the two bolts holding the crossmember to the frame on the passenger side, but do not remove.
5. Remove the driver side crossmember bolts (4X). (Fig. 2)



Figure 2

6. Lower the jack supporting the cross member. This will lower the driver side only. Ensure you don't over extend the DEF tank filler neck. Install the provided brackets so the stud goes through the bottom hole of the cross member. (Fig. 3)



Figure 3

7. Raise the crossmember back up by lifting the jack. Align the top hole of the bracket with the top hole in the frame. While aligning the bottom hole of the bracket with the bottom hole of the frame and top hole of the crossmember. (Fig. 4) Fasten with OE hardware. Torque all OE hardware driver and passenger side to 35 ft-lbs. New nuts and fender washer are provided. Torque to 30 ft-lbs.

» **STEP 7 NOTE**

Hardware for stud is located in bolt pack 395



Figure 4

8. Install the provided spacers between the exhaust mount and crossmember use the provided 8mm bolts and 5/16" washers to fasten down the exhaust mount. Torque to 192 in-lbs.

» **STEP 8 NOTE**

Hardware for stud is located in bolt pack 395



Figure 5

9. Recheck all hardware, check again at 500 miles, and again at regularly scheduled maintenance intervals.

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.

» COMPONENT	» TORQUE (FT-LBS)
<i>OE DEF Crossmember Bolts</i>	<i>35</i>
<i>Drop Bracket Stud Nut</i>	<i>30</i>
<i>Exhaust Bracket Bolts</i>	<i>16</i>