



**DIRECT-REPLACEMENT  
INSTALLATION GUIDE**

**GMC 1500 (2007-2018)**

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# **PERFORMANCE ELITE 2.5 DUAL SPEED COMPRESSION**

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883-06-164 - Kit: 07-18 GM 1500, Front Coilover, UCA, 2.5 Truck PES, R/R, 2-3" Lift, DSC  
883-26-072 - Kit: 07-18 GM 1500, Rear, 2.5 Truck PES, P/B, 0-1.5" Lift, DSC

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# INTRODUCTION

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Thank you for choosing FOX direct-replacement shocks for your vehicle. FOX products are designed, tested, and manufactured by the finest professionals in the industry.

FOX recommends that you become completely familiar with the handling characteristics of your modified vehicle before operating it under rigorous conditions, helping to avoid potential rollover situations and other loss of control events. FOX further recommends that you use appropriate protective equipment at all times when operating your vehicle.

To achieve the best performance and product longevity, periodic service and maintenance is required. Please refer to the Service and Upgrades section for more information.

## IN THE BOX

- Front Shocks or Rear Shocks
- Supplied Hardware
- Installation Guide

 **WARNING**

# SAFETY INSTRUCTIONS

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- FOX direct-replacement shocks are designed to fit and allow proper clearance with the stock suspension. If aftermarket suspension components are installed it is the customer's responsibility to ensure that interference between the FOX shocks and other vehicle components does not occur at any point in the shock stroke.
- FOX direct-replacement shocks should always be installed as a set for maximum performance.
- Proper installation and service procedures are essential for the safe and reliable operation of the suspension components, requiring the experience and tools specially designed for this purpose. Installation and maintenance procedures for this product must be performed by a qualified service technician to avoid potentially unsafe vehicle handling characteristics, which may result in **SERIOUS INJURY** or **DEATH**.
- Modifying your vehicle's suspension will change the handling characteristics of your vehicle. Under certain conditions, your modified vehicle may be more susceptible to loss of control or rollover, which can result in **SERIOUS INJURY** or **DEATH**. Thoroughly familiarize yourself with the modified vehicle handling characteristics before any rigorous vehicle operation. Wear protective body gear and a helmet when appropriate. Installation of vehicle roll bars or cage is highly recommended.
- FOX direct-replacement shocks are gas-charged and are highly pressurized. Placing shocks in a vise or clamp, applying heat, or attempting to open or service the shock without the proper tools and training can result in **SERIOUS INJURY** or **DEATH**. Do not attempt to modify, puncture or incinerate a FOX direct-replacement shock absorber.
- Any attempt to misuse, misapply, modify, or tamper with any FOX product voids any warranty and may result in **SERIOUS INJURY** or **DEATH**

## WARNING

# INSTALLATION GUIDELINES

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- Always use a chassis lift for the installation of shocks, and make certain that the raised vehicle is securely attached to the lift to prevent the vehicle from slipping, falling, or moving during the installation process.
- DO NOT install any FOX product without the necessary special tools, expertise and chassis lift or you will subject yourself to the risk of SERIOUS INJURY or DEATH. If you elect to not use a chassis lift (which may result in SERIOUS INJURY or DEATH), ensure that the vehicle is: (1) on level ground, (2) that all tires on the ground during installation are blocked to prevent vehicle movement, (3) that at least two tires are on the ground at all times, and (4) that adequately secured jack stands are used to support the vehicle. NEVER get under the vehicle until you have checked to ensure that the vehicle will be stable during installation.
- FOX direct-replacement shocks are designed to fit your vehicle's shock mounts without modification except the reservoir placement on specific models and applications.
- If a preload adjustment is necessary for your application DO NOT adjust preload with the coil-over on the vehicle. Remove the coil-over from the vehicle and use a spring compressor to remove the lower spring hardware and spring. Once the spring is removed, you can adjust the preload ring.

## TOOLS REQUIRED

- Gloves
- Safety glasses
- Vehicle manufacturer's workshop manual for torque specifications
- Vehicle lift
- Ratchet and assorted sockets or wrenches sized appropriately to your vehicle's mounting hardware
- Blue Loctite®
- Tape measure
- Torque wrench

Required tools and supplies may change over time. Visit [ridefox.com](http://ridefox.com) or contact a representative for the most up-to-date details.

# SHOCK INSTALLATION

## FRONT SHOCK INSTALLATION

Medium-strength thread-lock (blue Loctite®) is recommended on all bolts.

1. Please read the Installation Guidelines for instructions on how to properly lift and secure the vehicle.
2. Record the front vehicle ride height to ensure proper lift is attained after kit is installed.  
**Note:** You will be able to make preload adjustments if needed once the shock assembly is installed (spanner wrench required). Reference the Installation Guidelines and all safety instructions to properly adjust preload.
3. Remove both front wheels per the manufacturer's instructions.
4. Remove the (3) top nuts (Fig. 1) that secure the stock shock assembly to the vehicle. **DO NOT** remove center nut; doing so will release the spring.
5. Install the new coil-over assembly. Connect the top shock hat to the vehicle using the washers and bolts or nuts, depending on shock model. Tighten all three bolts or nuts to 24 ft-lbs.

**For remote reservoir models:** Make sure that the hoses are facing outward and towards the rear of the vehicle (Fig. 2; upper arrow). While connecting the top shock hat, install the reservoir bracket to center the outer mounting hole. Utilize the opening in the front of the bracket to tighten down the hardware.

**For models equipped with aluminum suspension:** Release the upper control arm from the spindle by loosening the nut (do not remove the nut) to allow extra clearance (Fig. 2; lower arrow).

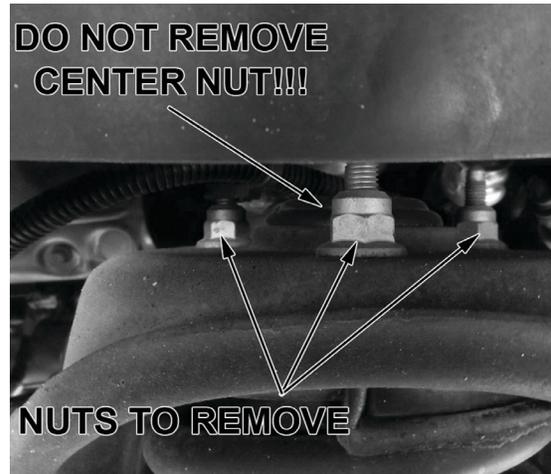


Fig. 1: Remove the three nuts. **DO NOT** remove the center nut.



Fig. 2: Reservoir hoses facing outward (top arrow) and toward rear of vehicle (driver side view). Aluminum suspension models: loosen but do not remove nut (lower arrow).

6. Connect the shock assembly to the lower control arm using the (2) bolts supplied with the coil-over. Torque the two bar-pin bolts to 50 ft-lbs.

**For models equipped with aluminum**

**suspension:** Retighten the nut that was loosened to allow extra clearance (Fig. 2; lower arrow).

7. Using the two supplied billet clamps and screws, mount the reservoir to the brackets (Fig. 3). Utilize the slots in the bracket to locate the clamps. Do not feed the clamps through the slots in the brackets. Torque the (4) four screws to 19 in-lbs.
8. Check that the suspension has proper clearance by steering completely in both directions.
9. Reinstall the front wheels per the manufacturer's instructions and torque to factory specifications.
10. Set the vehicle back on the ground and drive it back and forth several feet to allow the suspension to settle. Now measure the ride height and make adjustments, if necessary. Reference the Installation Guidelines and all safety instructions to properly adjust preload.
11. It is highly recommended that you have your wheel alignment checked.

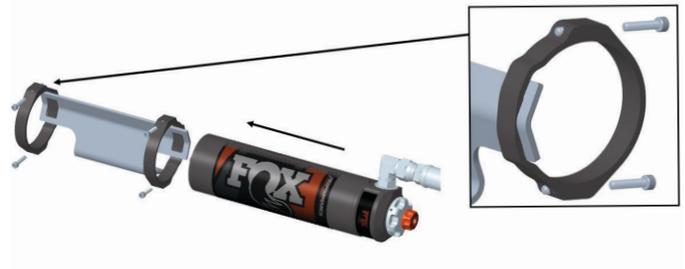


Fig. 3: Mount the reservoir to the brackets.

## REAR SHOCK INSTALLATION

Medium-strength thread-lock (blue Loctite®) is recommended on all bolts.

1. Please read the Installation Guidelines for instructions on how to properly lift and secure the vehicle.
2. Remove the rear wheels from vehicle per the manufacturer's instruction.
3. Remove the stock shocks.  
**IMPORTANT:** Do NOT discard the stock bolts, as they will be used with your new FOX shock.
4. Install the FOX shock by reinstalling the factory bolts. Torque the bolts to factory specifications.

**For piggy back reservoir models:** Make sure the left hand shock (drivers side) reservoir is facing toward the center of the vehicle (Fig. 4) and the right hand shock (passengers side) reservoir is facing toward the rear of the vehicle.

5. Check that suspension has proper clearance.
6. Reinstall the rear wheels per the manufacturer's instructions and torque to factory specifications.
7. It is highly recommended that you have your wheel alignment checked.



Fig. 4: Reservoir facing center of vehicle (driver side view).

# MAINTENANCE

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PROPER INSPECTION AND MAINTENANCE IS ESSENTIAL TO MAINTAIN THE PERFORMANCE AND RELIABILITY OF YOUR SHOCK ABSORBERS.

To avoid corrosion, you should keep the shocks and springs clean, free of dirt and moisture. The wiper seal will clean deposits from the shaft, but the shock won't necessarily fully compress every time. This means you could accumulate dirt at the bottom of the shaft and underneath the jounce bumper. Make sure you clean these areas completely to prevent shaft corrosion. Avoid using a high-pressure washer near the shaft seals or adjusters, as this could drive dirt inside the shock.

Make sure the ends of the spring and shock threads are clean and free of dirt before adjusting the preload ring. This will make the adjustment easier and reduce wear.

Ideally, the shocks should be clean around the adjusters. Use a small amount of contact cleaner or brake cleaner before making adjustments will keep these parts clean and operating smoothly for years

**NOTICE:** Keep the shock and spring clean and free of dirt or water to avoid corrosion. Keep the shock shaft clean and free of mud. Avoid using a high-pressure washer near the shaft seals and adjusters. Before adjusting preload or the crossover ring, clean the threads of the shock body for easier adjustment and mitigating wear.

## FOX SERVICE AND UPGRADES

HAVE YOUR FOX SHOCKS SERVICED BY FOX TECHNICIANS. CALL OUR OFF-ROAD AND TRUCK SERVICE CENTER AT 619.768.1800 TO GO OVER THE SERVICE AND UPGRADE OPTIONS AVAILABLE FOR YOUR PRODUCT. ONCE YOU'VE SETUP YOUR SERVICE AND/OR UPGRADES YOU WILL RECEIVE A RETURN AUTHORIZATION NUMBER AND SHIPPING INSTRUCTIONS.

## COMPLETE SERVICES

100% street use: every 50,000 miles  
50% street/ 50% off-road use: Every 10,000 miles

## SERVICE MENUS AND PRICING

visit [ridefox.com/service](http://ridefox.com/service)



**WARNING: Cancer and Reproductive Harm –**  
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# WARRANTY INFORMATION

## FOX LIMITED WARRANTY

FOX Factory, Inc., a Georgia corporation having an office at 6634 Highway 53 Braselton, GA 30517 (“FOX”), makes the following LIMITED WARRANTY with respect to its suspension products: LIMITED ONE (1) YEAR WARRANTY ON SUSPENSION PRODUCTS.

Subject to the limitations, terms and conditions hereof, FOX warrants, to the original retail owner of each new FOX suspension product, that the FOX suspension product, when new, is free from defects in materials and workmanship. Unless otherwise required by law, this warranty expires one (1) year from the date of the original FOX suspension product retail purchase from an authorized FOX dealer or from a FOX authorized Original Equipment Manufacturer where FOX suspension is included as original equipment on a purchased vehicle. If law requires a warranty duration of greater than one (1) year, then, subject to the other provisions hereof, this warranty will expire at the end of the minimum warranty period required by such law.

## TERMS OF WARRANTY

This warranty is conditioned on the FOX suspension product being operated under normal conditions and properly maintained as specified by FOX. This warranty is only applicable to FOX suspensions purchased new from an authorized FOX source and is made only to the original retail owner of the new FOX suspension product and is not transferable to subsequent owners. This warranty is void if the FOX suspension product is subjected to abuse, neglect, improper or unauthorized repair, improper or unauthorized service or maintenance, alteration, modification, accident or other abnormal, excessive, or improper use.

Should it be determined by FOX in its sole and final discretion, that a FOX suspension product is covered by this warranty, it will be repaired or replaced, by a comparable model, at FOX’s sole option, which will be conclusive and binding. THIS IS THE EXCLUSIVE REMEDY UNDER THIS WARRANTY. ANY AND ALL OTHER REMEDIES AND DAMAGES THAT MAY OTHERWISE BE APPLICABLE ARE EXCLUDED, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR PUNITIVE DAMAGES.

This limited warranty does not apply to normal wear and tear, malfunctions or failures that result from abuse, improper assembly, neglect, alteration, improper maintenance, crash, misuse or collision. This limited warranty gives the consumer specific legal rights. The consumer may also have other legal rights which vary from state to state or country to country. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages or warranties, and if dictated by law the above limitations or exclusions may not apply to you. If it is determined by a court of competent jurisdiction that a certain provision of this limited warranty does not apply, such determination shall not affect any other provision of this limited warranty and all other provisions shall remain in full effect.

THIS IS THE ONLY WARRANTY MADE BY FOX ON ITS SUSPENSION PRODUCTS AND COMPONENTS, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. ANY WARRANTIES THAT MAY OTHERWISE BE IMPLIED BY LAW INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED.

# CONTACT

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