



**INSTALLATION GUIDE**  
DIRECT REPLACEMENT  
ATS/TS STABILIZER

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**RAM 2500/3500 (2014+)**

**983-02-158 - 2.0 Factory Race Series ATS Stabilizer**

**985-02-135 - 2.0 Performance Series TS Stabilizer**



FOX products are subject to continuous development and improvement.

To locate the correct installation manual, use the 8-digit part number found on the end of the packaging box (see illustration below):



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2.0 Factory Race Series ATS Stabilizer:  
983-02- 158

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985-02- 135

## SAFETY INSTRUCTIONS

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 Maintenance and Service section for more information.

1. Read all instructions carefully before installing this kit. Use your factory authorized service manual as reference while installing this kit.
2. Torque all fasteners to the manufacturer's specifications.
3. If you do not possess the tools or the technical knowledge to install your FOX shocks, have it performed by an authorized dealer.

### ⚠ WARNING

FOX direct-replacement shocks and steering stabilizers are designed to fit and allow proper clearance with the stock suspension. If aftermarket suspension components are installed it is the customers responsibility to ensure that at full cycle the suspension clears the FOX shocks.

Proper installation and service procedures are essential for the safe and reliable installation of chassis parts, 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 and/or steering 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 may result in SERIOUS INJURY or DEATH. Thoroughly familiarize yourself with the modified vehicle handling characteristics before any rigorous vehicle operation. Wear body protective gear including head protection when appropriate. Installation of vehicle roll bars or cage is highly recommended.

FOX direct-replacement shocks and steering stabilizers 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.

## INSTALLATION GUIDELINES

This manual provides step-by-step instructions on how to set-up and maintain your system. This manual **does not** contain step-by-step shock rebuild instructions. Rebuilding should only be carried out by an authorized FOX service technician.

### ⚠ CRUSH HAZARD

NEVER get under the vehicle until you have checked to ensure that the vehicle will be stable during installation. Placing body parts beneath an unstable vehicle may lead to SERIOUS INJURY or DEATH.

FOX direct-replacement shocks are designed to fit your vehicle's shock mounts with no modifications.

### HAZARDOUS WASTE DISPOSAL

The FOX iQS electronics system may contain hazardous material and is considered e-waste in case of disposal, it cannot be thrown away with household waste. Please adhere to your local and federal regulations regarding e-waste and locate a designated e-waste handler or recycler.

### ⚠ WARNING

Always use a chassis lift for the installation of shocks or stabilizers 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 election may result in SERIOUS INJURY or DEATH), ensure that the vehicle is on level ground, that all tires on the ground during installation are blocked to prevent vehicle movement, that at least two tires are on the ground at all times, and 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 and steering stabilizers are designed to fit your vehicle's stock mounts with no modifications with the exception of reservoir placement on specific models and applications.

## INSTRUCTIONS

1. Please read the FOX INSTALLATION GUIDELINES for instructions on how to properly lift and secure the vehicle.
2. Remove stock steering stabilizer and front axle bracket. Retain stock hardware for re-use (Figure 1 and Figure 2).



Figure 1: Stock hardware removal

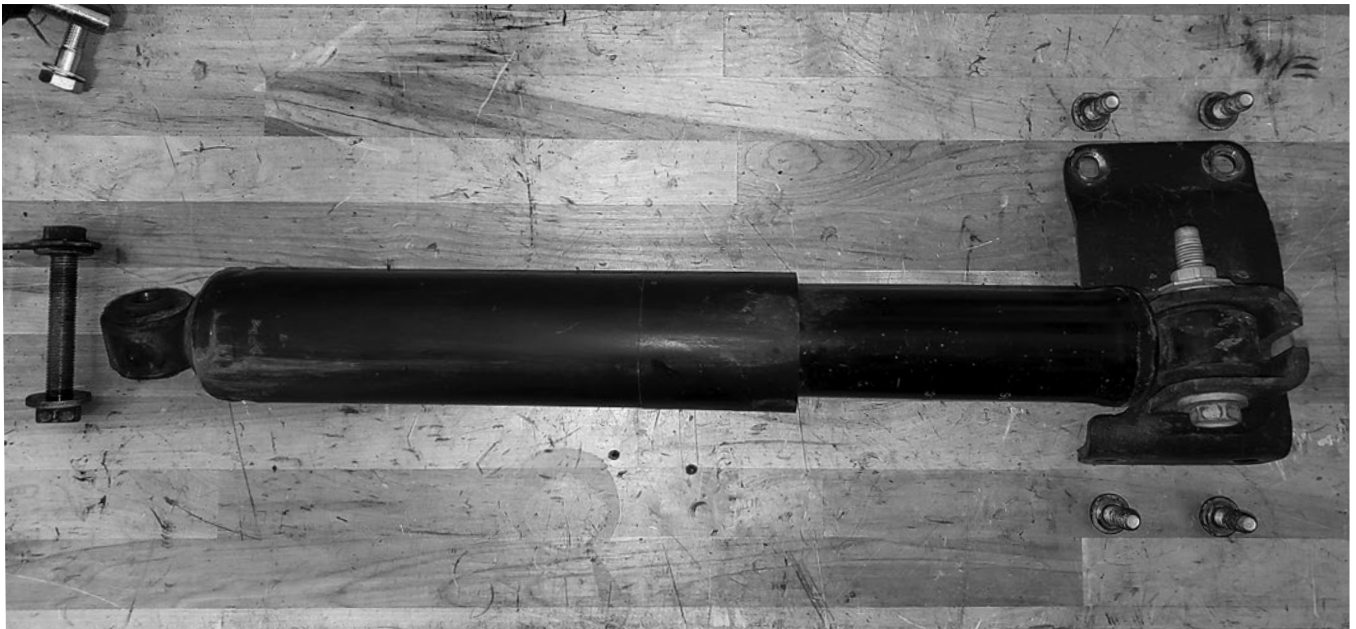


Figure 2: Stock hardware



Figure 3: Stabilizer mounting adapter

3. Attach FOX replacement bracket to stabilizer mounting adapter using supplied  $\frac{1}{4}$ " bolts. One drop of maximum strength (red) thread locker is highly recommended on each bolt. Torque each bolt to 12 ft-lbs. (Figure 3, Figure 4, Figure 5).



Figure 4: Supplied  $\frac{1}{4}$ " bolts



Figure 5: Replacement bracket attached

4. Install FOX replacement axle bracket onto the front axle re-using stock hardware and re-torque to OEM specification (Figure 6).



Figure 6: Axle bracket installed

5. Install eyelet end of stabilizer in the stock tie rod location. Re-use stock hardware and torque to OEM specification. Turn the wheels to compress/extend the stabilizer shaft to assist with alignment.  
**ATS only:** Make sure adjuster is pointed rearward.  
**TIP:** Turning the adjuster screw on the eyelet fully counter clockwise will make compressing/extending the stabilizer easier (Figure 7).



Figure 7: Correct stabilizer installation with wheels pointed straight, ATS shown.

6. Turn vehicle's wheels full lock in each direction, checking for adequate clearance at both ends and that the steering is limited by the stock steering stops, not the stabilizer. See Figure 8 and Figure 9 for reasonable shaft clearance.



Figure 8: Reasonable shaft clearance



Figure 9: Reasonable shaft clearance



7. Verify the stabilizer does not interfere with any vehicle functions or components (suspension, driveline, engine, etc.) through entire range of steering and suspension travel.

**ATS only:** If stabilizer reservoir interference exists, the reservoir can be rotated for adequate clearance. To rotate, loosen the pinch bolt on L-bracket between stabilizer and stabilizer mounting adapter, then rotate reservoir as needed. Torque pinch bolt to 12 ft-lb. One drop of medium strength (blue) thread locker is highly recommended on pinch bolt threads (Figure 10).



Figure 10: Stabilizer interference

8. Place vehicle on the ground and re-check that the stabilizer does not interfere with any vehicle functions or components (suspension, driveline, engine, etc.) through entire range of steering and suspension travel.  
Verify that the vehicle steers completely in both directions and is limited by the stock steering stops, not the stabilizer.

## ADJUSTMENT (ATS ONLY)

The Factory Race Series 2.0 ATS Stabilizer is equipped with a slotted adjustment screw on the eyelet that affects steering damping. Turning the adjustment screw clockwise will increase damping, making the steering firmer, while adjusting counterclockwise will decrease damping and steering resistance.

