

## **PVG Owners/Service Manual Production Standards**

Cover Stock: 22-24# Matte Cover

Text Stock: 22-24# Matte Book

Cover Ink: Black

Text Ink: Black

Size: 8.5"x11" (Portrait)

Bindery: Staple, upper left corner

Note: Manuals are to be printed Black &  
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Do Not Print



**DIRECT-REPLACEMENT  
INSTALLATION GUIDE**

**TOYOTA TUNDRA (2022-ON), TOYOTA SEQUOIA (2023-ON)**

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# **PERFORMANCE ELITE 2.5 DUAL SPEED COMPRESSION**

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883-06-218 - Kit: 22-ON Toyota Tundra, Front Coilover, 2.5 Truck PES, R/R, DSC, 0-3" Lift

883-26-139 - Kit: 22-ON Toyota Tundra, Rear, 2.5 Truck PES, R/R, DSC, 0-1.5" Lift

883-26-141 - Kit: 22-ON Toyota Tundra, w/Ext Brake Lines, Rear, 2.5 Truck PES, R/R, DSC, 1.5-3" Lift

883-06-255 - Kit: 22-ON Toyota Tundra 0-3" Lift & 23-ON Sequoia 1-4" Lift, Front Coilover, 2.5 Truck PES, R/R, DSC EVO

883-26-171 - Kit: 22-ON Toyota Tundra, Rear, 2.5 Truck PES, R/R, DSC EVO, 0-1.5" Lift

883-26-172 - Kit: 22-ON Toyota Tundra, w/Ext Brake Lines, Rear, 2.5 Truck PES, R/R, DSC EVO, 1.5-3" Lift



FOX products are subject to continuous development and improvement. To find the most up to date product information such as color installation manuals, videos, and FAQs please visit:

**<http://ridefox.com/manuals>**

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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# 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

# FRONT SHOCK SUPPLIED PARTS

FRONT SHOCK ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
883-06-218-L/R	LEFT/RIGHT SHOCK	2	UCAs are required.
883-06-255-L/R	LEFT/RIGHT SHOCK	2	UCAs are required.
FRONT RESERVOIR BRACKET ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
026-01-095-1	LEFT RESERVOIR BRACKET	1	Brackets mount the remote reservoirs to the vehicle.
026-01-095-2	RIGHT RESERVOIR BRACKET	1	
026-01-284	SWAY BAR RELOCATION BLOCK	2	The sway bar mounts to the relocation bracket.
026-01-285	SWAY BAR RELOCATION BLOCK	2	The sway bar mounts to the relocation bracket.
026-01-286	BUMP STOP SPACER	2	Install spacers if preload is increased.
019-01-245	SWAY BAR BLOCK SCREWS	4	Screws fasten the brackets to the vehicle's frame.
018-01-066	SCREW: 8-32, 3/4"	4	Each bracket uses two clamps and a clamp uses two screws.
026-01-167-1	2.5 RESERVOIR CLAMP, TOP	2	
026-01-167-2	2.5 RESERVOIR CLAMP, BOTTOM	2	

# REAR SHOCK SUPPLIED PARTS

REAR SHOCK ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
883-26-139-L/R	LEFT/RIGHT SHOCK	2	
883-26-141-L/R	LEFT/RIGHT SHOCK	2	Extended brake lines are required.
883-26-171-L/R	LEFT/RIGHT SHOCK	2	
883-26-172-L/R	LEFT/RIGHT SHOCK	2	Extended brake lines are required.

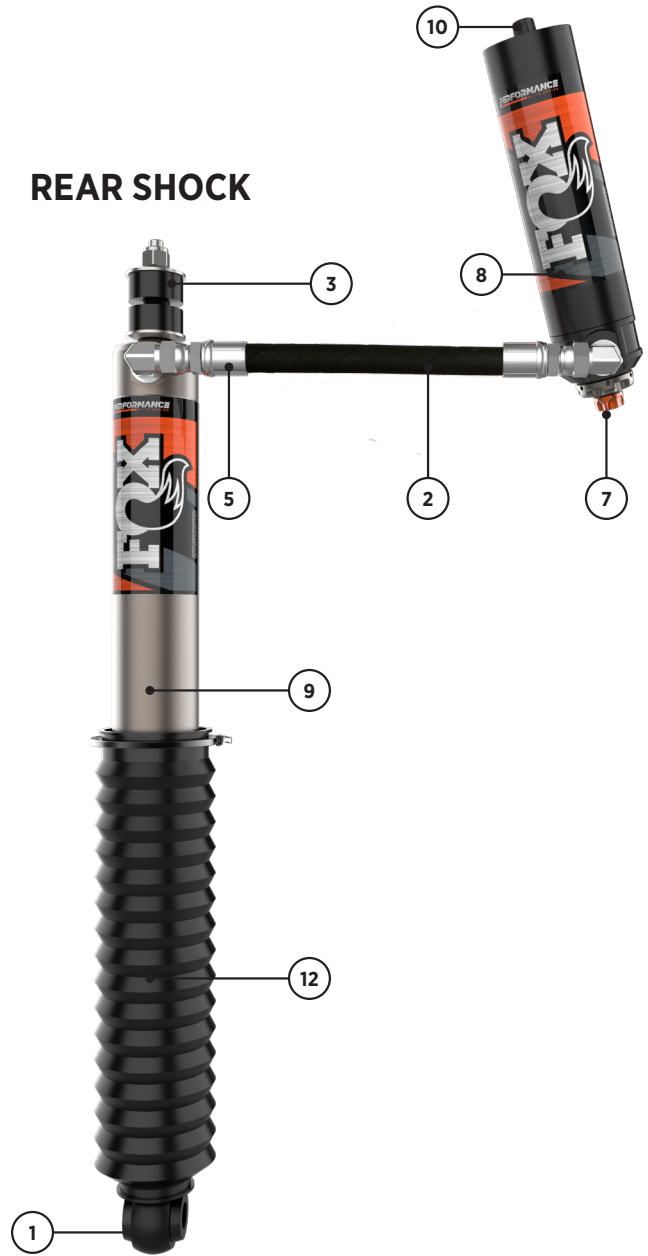
REAR RESERVOIR BRACKET ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
026-01-279-1	RESERVOIR BRACKET	1	Brackets mount the remote reservoirs to the vehicle.
026-01-279-2	RESERVOIR BRACKET	1	
018-01-049	SELF TAPPING SCREW: 1/4-14 X 1"	2	Screws fasten the bracket to vehicle.
018-01-066	SCREW: 8-32, 3/4"	4	Each bracket uses two clamps and a clamp uses two screws.
026-01-167-1	2.5 RESERVOIR CLAMP, TOP	2	
026-01-167-2	2.5 RESERVOIR CLAMP, BOTTOM	2	

# SHOCK DIAGRAM

## FRONT SHOCK



## REAR SHOCK



PART NO.	NAME	PART NO.	NAME
1	Eyelet	7	DSC adjuster
2	Hose	8	Reservoir
3	Stem top	9	Shock body
4	Shaft	10	Schrader valve
5	Hose fitting	11	Top hat
6	Preload ring	12	Shock Boot

## 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.

# FRONT SHOCK INSTALLATION

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**NOTICE:** Medium-strength thread-lock is recommended on all bolts.

1. Please read the installation guidelines on page 5 for instructions on how to properly lift and secure the vehicle.
2. Record the front vehicle ride height to ensure the proper lift is attained after kit is installed. READ INSTALLATION GUIDELINES ON HOW TO PROPERLY ADJUST PRELOAD.

**NOTICE:** The spring preload is set by FOX for a stock weight vehicle to last the life of the product. Any additional spring preload may negatively effect the life of the spring.

**NOTICE:** The FOX coil overs are extended travel meaning their length is longer than the factory units, and FOX recommends TRD Off Road (Red) CV axles. The TRD 3" lift kit is also compatible.

## STOCK SHOCK REMOVAL

3. Remove both front wheels from the vehicle.
4. Detach the tie rod end link at the spindle steering arm on both sides of the Vehicle (Fig. 1).
5. Disconnect the sway bar end link on both sides of the vehicle (Fig. 2).
6. Take off the nut connecting the upper control arm (UCA) to the upright. Tap the ball joint stem with a hammer to break it free. Proceed with caution, the UCA has spring tension (Fig. 3). Detach the UCAs on both sides of the vehicle.



Fig. 1: Tie rod end link.

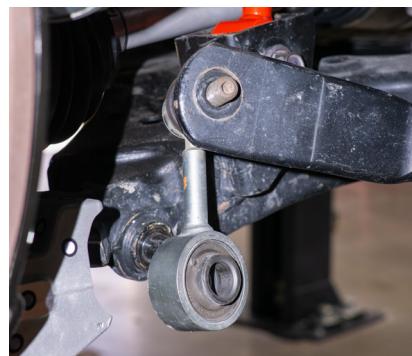


Fig. 2: Sway bar end link.



Fig. 3: Disconnect UCA.

## RESERVOIR BRACKET INSTALL

7. Remove the four bolts that secure the sway bar to the vehicle's frame. Move the sway bar forward to allow clearance for shock removal and installation (Fig.4).

8. Install the reservoir bracket and spacer blocks to the sway bar bracket's mounting location with the provided hardware (Fig. 5).

9. Reinstall the sway bar to the reservoir bracket spacer and torque to OEM specification (Fig. 6).

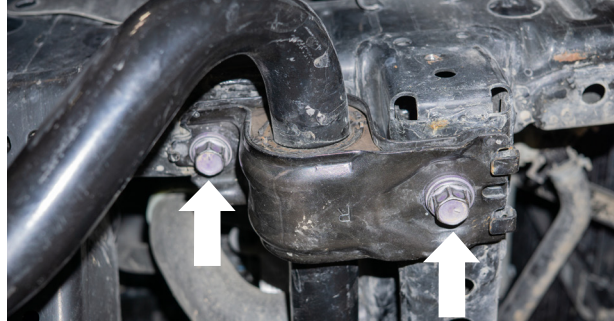


Fig. 4: Remove sway bar bracket.

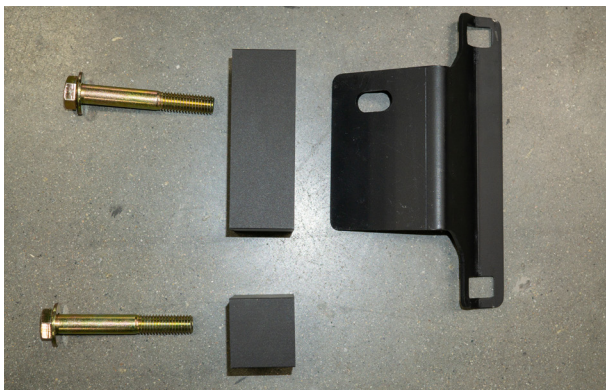


Fig. 5: Reservoir bracket assembly.

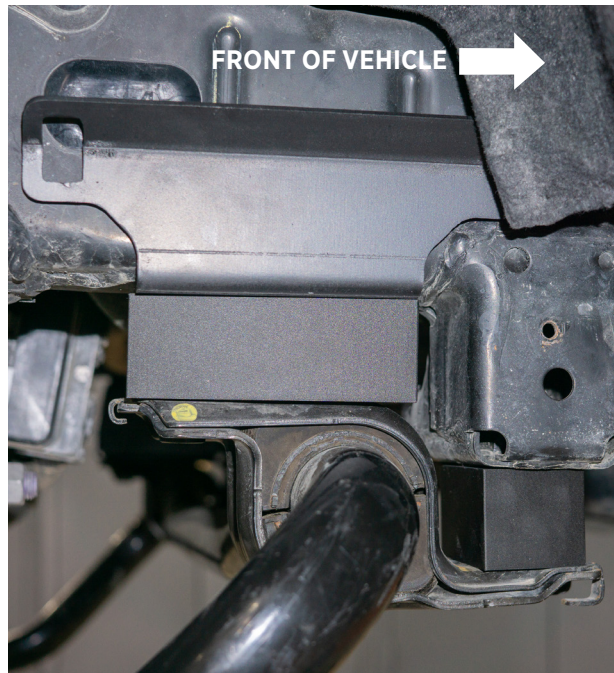


Fig. 6: Install the reservoir bracket assembly.

10. On models equipped with a front air dam, minor trimming may be required for sway bar bracket clearance (Fig. 7).



Fig. 7: Trimming area on models with front air dam.

11. Take off the bolt connecting the shock to the lower control arm (Fig. 8). Remove the stock shock assembly.

**NOTICE:** Do not discard any OEM bolts, many are reused with the new FOX shock assembly.

12. If an aftermarket UCA is required with the FOX shock kit, install the UCA now. Follow the company's required specifications. After installation, continue to step 13.



Fig. 8: Remove the bolt from the lower control arm.

### FOX SHOCK INSTALL

13. Install the new shock assembly with the hose fitting pointed outboard (Fig. 9). Loosely install the provided top hat nuts, washers, and OEM lower mount bolt.

14. Once the shock is oriented, torque the top hat nuts to 24 ft-lbs. Torque the lower mount bolt to OEM specification.

**NOTICE:** The vehicle's ride height is set for 2.25" of lift (level) on a stock weight truck. If more lift is desired, up to 3/8" preload can be added by removing the spring, loosening the pinch bolt, and spinning the preload collar. 1/4" of preload added is equivalent to about a 1/2" of lift. If any preload is added, the provided bump stop spacer must be installed (Fig. 10) to prevent coil bind. If more than 3/8" additional preload is added an aftermarket bumpstop spacer or longer bump stop will be required

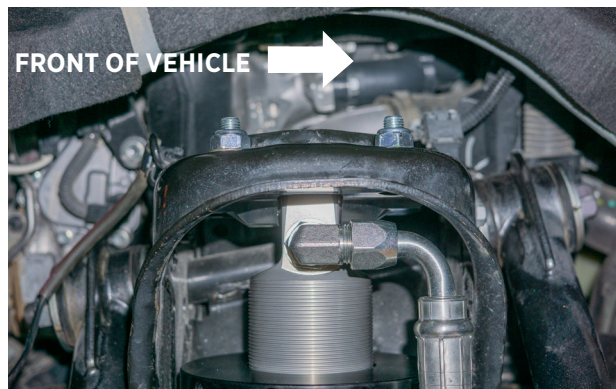


Fig. 9: The hose fitting faces outboard.



Fig. 10: Install the bump stop spacer if preload is added.

**NOTICE:** Minor trimming of the fender liner or air dam may be required for reservoir fitment (Fig. 11a & Fig 11b).

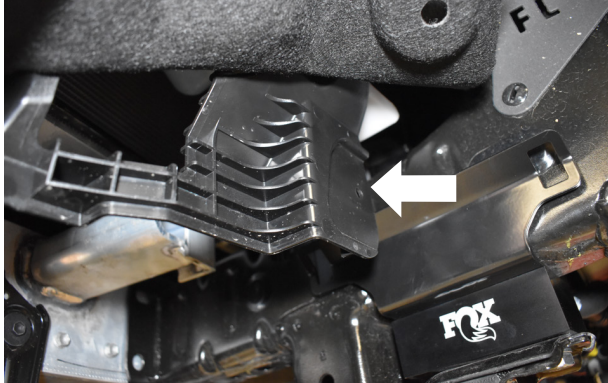


Fig. 11a: Trimming area

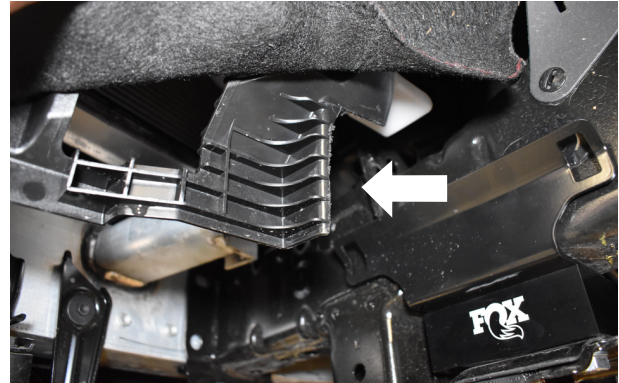


Fig. 11b: Trimming area.

15. Attach the reservoir to the mounting bracket with the provided reservoir clamps and screws. (Fig. 12). Loosely pre-assemble the forward clamp assembly. Tighten the clamp to 50% when the reservoir is centered with proper hose positioning. Slide the bottom half of the clamp into position for the rear clamp assembly. Tighten both screws on each clamp assembly evenly, and torque to 19 in-lbs (Fig. 13).

**NOTICE:** Utilize the slots in the bracket to locate the clamps. Do not feed the clamps through the slots in the bracket.



Fig. 12: Mounted reservoir.

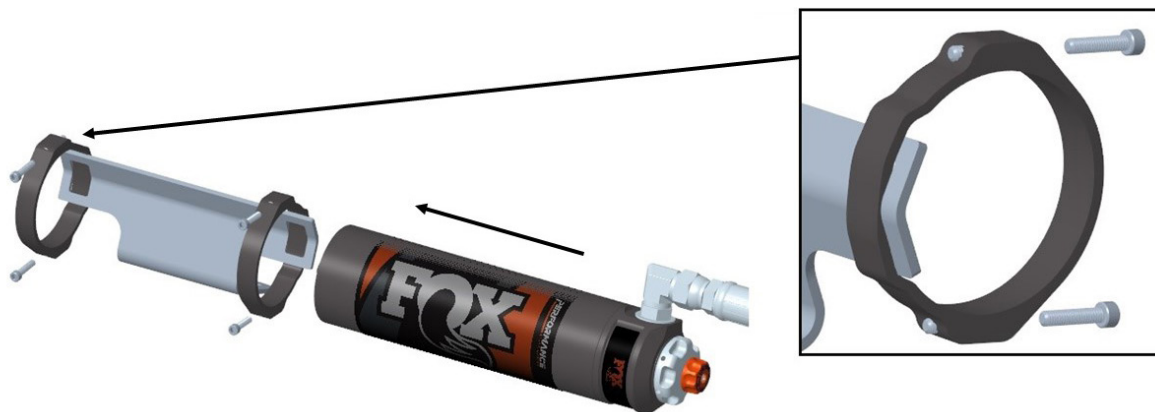


Fig. 13: Diagram of reservoir and bracket interface.

16. Reattach the UCA to the upright at the ball joint bolt and torque to OEM specification or the UCA manufacturer's specs (Fig. 14).

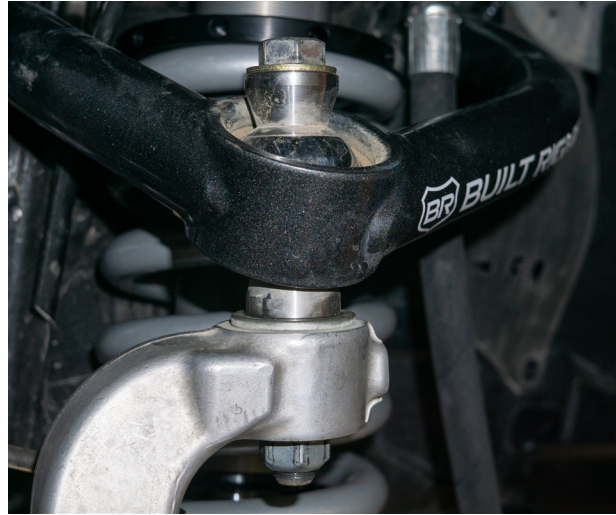


Fig. 14: Reattach UCA to the upright.

17. Reinstall the tie rod end (Fig. 15) and sway bar end link (Fig. 16). Torque all hardware to OEM specification. Secure the tie rod end's castle nut with a new cotter pin.



Fig. 15: Tie rod end.



Fig. 16: Sway bar end link.

### CHECK AND FINAL DETAILS

18. Reinstall the wheels and torque to OEM specifications.
19. Set the vehicle back on the ground and drive back and forth several feet to allow the suspension to settle. Now measure ride height and adjust if necessary. READ INSTALLATION GUIDELINES ON HOW TO PROPERLY ADJUST PRELOAD.
20. Check that the suspension has proper clearance by steering lock to lock in both directions.
21. Measure the vehicle's ride height and adjust if necessary.
22. It is highly recommended your wheel alignment is checked.

# REAR SHOCK INSTALLATION

**NOTICE:** Medium-strength thread-lock is recommended on all bolts.

1. Please read the installation guidelines on page 5 for instructions on how to properly lift and secure the vehicle.

## STOCK SHOCK REMOVAL

2. Remove the rear wheels from the vehicle and support the rear axle.
3. Remove the stem top nut and lower shock mount bolt (Fig 16 & 17).



Fig. 16: Remove stem top nut.



Fig. 17: Remove lower shock mount bolt.

4. Remove the rear stock shocks.

## RESERVOIR BRACKET INSTALL

5. Remove the two bolts fastening the sway bar bracket to the frame (Fig. 18).

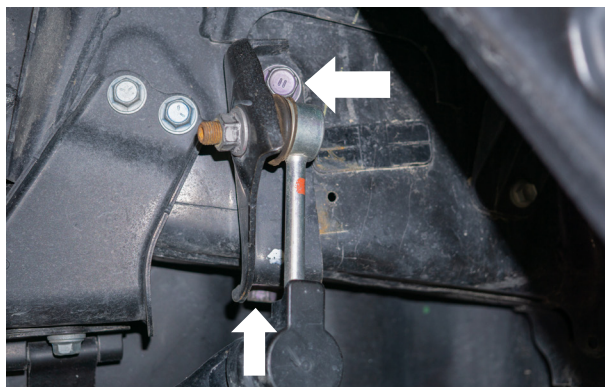


Fig. 18: Remove the two sway bar bracket bolts (passenger side shown).

6. Install the reservoir bracket, “sandwiched” between the sway bar bracket and the vehicle’s frame. Torque the bolts to OEM spec. Fasten the reservoir bracket to the frame with a provided self tapping screw (Fig. 19).

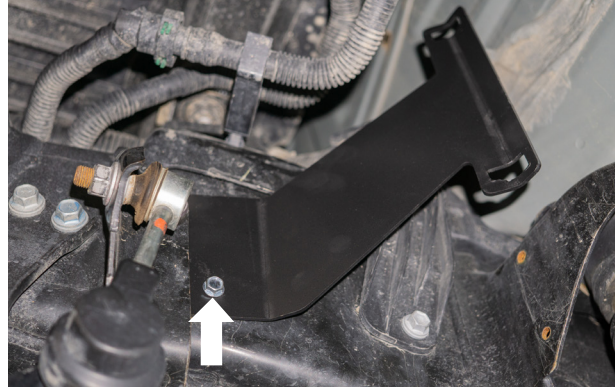


Fig. 19: Install the self tapping screw (passenger side shown).

### FOX SHOCK INSTALL

7. Orient the FOX shock with the hose fitting pointed outward. Loosely install the stem top nut and lower shock mount bolt (Fig. 20).

8. Torque the lower bolt to OEM specification (Fig. 21). Tighten the stem top nut until there are 3-4 threads showing above the nut.



Fig. 20: Install the stem top nut (passenger side shown).



Fig. 21: Install the lower shock bolt (passenger side shown).

10. Attach the reservoir to the mounting bracket with the provided reservoir clamps and screws (Fig. 22). Refer to page 10 (Fig. 13) to review the bracket and reservoir installation. Torque the screws to 19 in-lbs.

### CHECK AND FINAL DETAILS

11. Reinstall the wheels and torque to OEM specifications.

12. It is highly recommended your wheel alignment is checked.

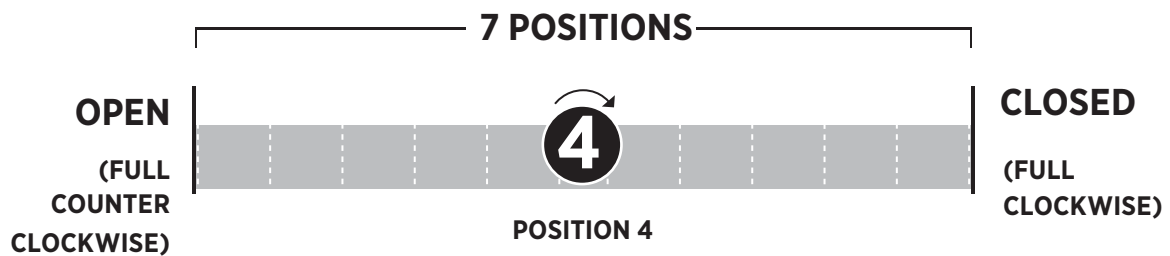


Fig. 22: Mount the reservoir to the bracket (driver side shown).

# FOX FACTORY DSC EVO

## DUAL SPEED COMPRESSION EVOLUTION (DSC EVO) ADJUSTER SETTINGS

### DSC EVO HIGH- AND LOW-SPEED COMPRESSION



LEAST AMOUNT  
OF COMPRESSION  
DAMPING **SOFTEST**

GREATEST AMOUNT  
OF COMPRESSION  
DAMPING **FIRMEST**

### ON-ROAD: SETTINGS FOR ALL SHOCKS

RIDE STYLE	LOW SPEED	HIGH SPEED
Comfort	2	4
Balanced	4	4
Sport	6	6

### OFF-ROAD: SETTINGS FOR ALL SHOCKS

RIDE STYLE	LOW SPEED	HIGH SPEED
Comfort	4	2
Balanced	4	4
Sport	6	6

### TOW/HAUL: SETTINGS FOR FRONT AND REAR

SHOCKS	LOW SPEED	HIGH SPEED
FRONT	4	4
REAR	6	6

# 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 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 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 –**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# 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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