



**BUMP STOP KIT
INSTALLATION GUIDE**

**JEEP JL (2018-ON)
JEEP JT (2020-ON)**

BUMP STOP 2.0 SERIES

883-02-167 - Kit: 18-ON Jeep JL & 20-On Jeep Gladiator Front, Gen2, Bump Stop 2.0 Series,
IFP, 2.00" Travel, 10.00" EXT

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INTRODUCTION

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

- Bump stops
- Spanner preload adjuster wrench
- Installation Guide

SHOCK DIAGRAM

BUMP STOP



PART NO.	NAME	PART NO.	NAME
1	Lock ring	4	Shock body
2	Shaft	5	Set screw
3	Bearing cap	6	Bumper

WARNING

SAFETY INSTRUCTIONS

- 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

- 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. DO NOT Exceed more the 1/2" of additional preload. If more than 1/2" of preload is required, you will need to go up in spring rate or get a longer spring that fits the application.

FRONT BUMP STOP INSTALLATION

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

1. Please read the installation guidelines on page 4 for instructions on how to properly lift and secure the vehicle.

OEM BUMP STOP REMOVAL

2. Remove both front wheels.
3. Disconnect the battery.
4. Disconnect any necessary components in order for springs to be free from upper mount. Remove the front coil springs. A professional spring compressor is recommended and may be necessary in some applications.
5. Remove factory bump stop by prying it free from the bump stop holder.

FOX BUMP STOP PREPARATION

6. Use painters tape and mark the cut line 2.75" above the bottom of the OEM bump stop holder (Fig. 1).

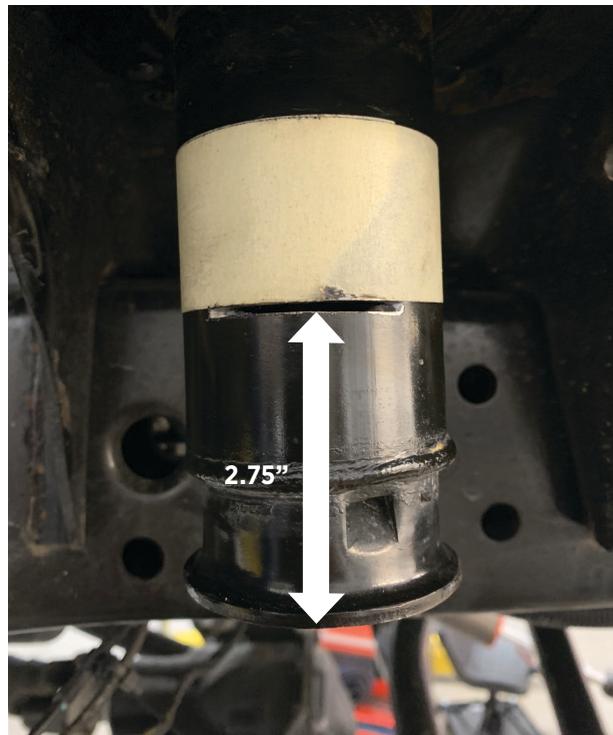


Fig. 1: Mark the cut line. Passenger side shown.



Fig. 2a: Cut the bump holder off under the tape line. Passenger side shown.

7. Cut off the bump stop holder with a cut off wheel or reciprocating saw. Cut below the tape line. (Fig 2a). Make sure the cut surface is square and free of any sharp edges or burrs. An uneven surface may cause issues when the new FOX bump stop is secured.

NOTICE: Some applications may require additional cutting and trimming to attain proper jounce tube length. The total length of the bump stop holder should measure approximately 3.125" (Fig 2b).

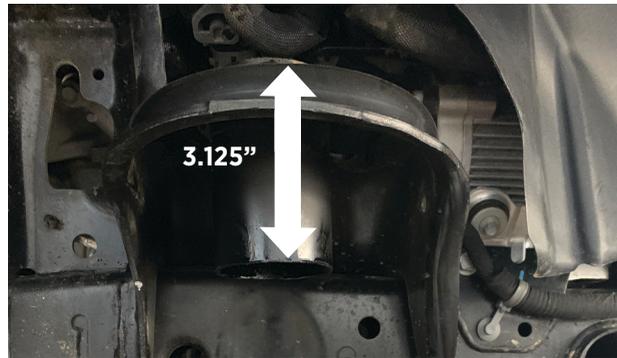


Fig. 2b: Measure the bump stop holder's total length.

8. Clean up any burrs or sharp edges. Check that the cut is flat (Fig 3).



Fig. 3: Cut the bump holder off under the tape line. Passenger side shown.

9. Clean up the bump tube inner diameter on the top and bottom of the tube. Use a corrosion inhibitor (spray paint) to coat the exposed steel.

FOX BUMP STOP INSTALLATION

10. After the steel is coated, install the bump stop by sliding it through the tube from the bottom (Fig. 4).



Fig. 4: Install the bumpstop.

11. Use the 3 supplied lock rings to install the bump stop. The orange bump stop bearing cap must protrude at least 1.75" from the cut line. Ensure the lip on the lock ring goes into the OEM bump stop tube (Fig. 6).



Fig. 5: Install the lock rings.



Fig. 6: The bearing cap must protrude 1.75\".

12. Apply medium-strength thread-lock to the lock ring. Utilize all three lock rings per bump stop. Tighten both the upper and lower lock rings with the supplied spanner wrench. Use the flat side of the third lock ring as a jam nut against the lower lock ring (Fig. 5).

13. Repeat steps 1 through 12 on both sides of the vehicle.

CHECK AND FINAL DETAILS

14. Set up and adjust the bump stops so the full bump position does not bottom out on the shock, or suspension components other than the bump stop and bump tube. Depending on the application, bump stop spacers may be required.

14. If bump stop spacers are used, the spacer must be flat without any protruding hardware or large recesses than could potentially damage the rubber bump stop cap.

15. Reinstall coil springs and other previously removed suspension components. Torque to OEM specification.

16. Reinstall the wheels and torque to OEM specification. Reconnect the battery.



Fig. 7: The third lock ring acts as a jam nut.

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.

SHOCKS NEED LOVE TOO

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

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