

DIRECT-REPLACEMENT
INSTALLATION GUIDE



JEEP WRANGLER JL (18+)

FACTORY RACE SERIES 3.0 INTERNAL BYPASS FINNER RESERVOIR

883-26-057: KIT: 18-ON Jeep JL, Front, 3.0 IBP, R/R, 8.8" 2-3" Lift, DSC

883-26-058: KIT: 18-ON Jeep JL, Rear, 3.0 IBP, R/R, 9.8" 2-3" Lift, DSC



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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.

SAFETY INSTRUCTIONS

WARNING

- 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 customers responsibility to ensure that at full cycle the suspension clears the FOX shocks.
- FOX direct-replacement shocks should always be installed as a pair for maximum performance.
- 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 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 body protective gear including head protection 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**.



INSTALLATION GUIDELINES

⚠ WARNING

- 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 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 are designed to fit your vehicle's shock mounts with no modifications with the

exception of reservoir placement on specific models and applications.

INSTRUCTIONS - FRONT

Medium-strength thread locker (blue) is recommended on all bolts.

1. Please read the INSTALLATION GUIDELINES SECTION OF THIS MANUAL for instructions on how to properly lift and secure the vehicle.
2. Remove both front wheels.
3. Remove front stock shocks. Do not discard OEM hardware. This will be used in later steps.
4. Install the supplied reservoir brackets to the vehicle behind the bumper above the skid plate. Place the top hole of the supplied FOX bracket 1" below the hole on the front bumper bar (Fig 1).

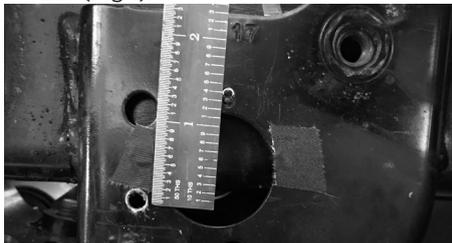


Fig. 1 Passenger's side shown

Use the bracket to mark the top hole on the bracket. Using a $\frac{7}{32}$ " drill bit and the marked location of the hole, drill a pilot hole for the supplied $\frac{3}{8}$ " self-tapping screw. Secure the bracket using the supplied $\frac{3}{8}$ " self-tapping screw. Ensure the bracket is straight vertically. Drill the remaining pilot holes and install self-tapping screws. (Fig 2)

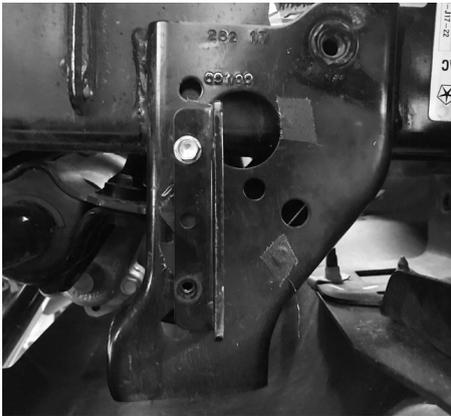


Fig. 2 Passenger's side shown

Repeat this step for the the driver's side. (Fig 3)



Fig. 3 Driver's side shown

- The JL 3.0 Factory Race Series Shocks come with two relocation blocks for the lower front shock mounting. Relocation blocks must be installed in each OEM lower shock mount for the 3.0 Factory Race Series Shocks to fit correctly. See Figure 4 to determine the Left and the Right bracket.

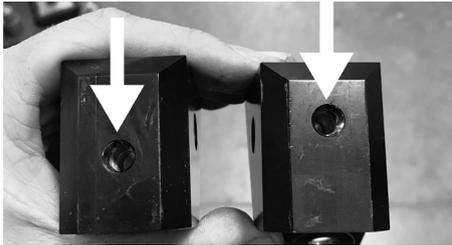


Fig. 4 Driver's side (Left), Passenger's side (Right)

During vehicle assembly, Jeep® uses holes on the lower shock mounts to help aid in axle assembly. See Figure 5 to locate and orient the assembly holes.

Using a 1/2" drill bit, drill out the lower shock mount assembly holes before relocation block installation. Use lubricant while drilling the hole. (DO NOT DRILL OUT THE FACTORY BOLT HOLES).



Fig. 5 Driver's side (Left), Passenger's side (Right)

- Once the left side and right side blocks have been determined and the assembly holes have been drilled out, install the relocation blocks loosely in the OEM lower shock mount (Fig 6).

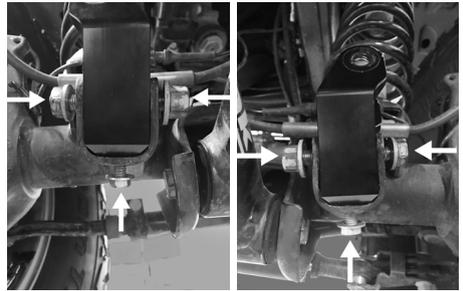


Fig. 6 Driver's side (Left), Passenger's side (Right)

Apply Blue Thread Locker to the supplied 3/8-16 bolts before installation. Using the supplied 3/8-16 bolts, 3/8" washers, and the OEM Lower Shock Hardware, loosely install the relocation block. FIRST, torque the 3/8-16 bolt to 23 ft-lbs. This will ensure that the relocation block is fully seated in the OEM shock mount. Second, torque the OEM hardware to manufacturer specs. See Figure 7 to verify correct installation of the relocation blocks.

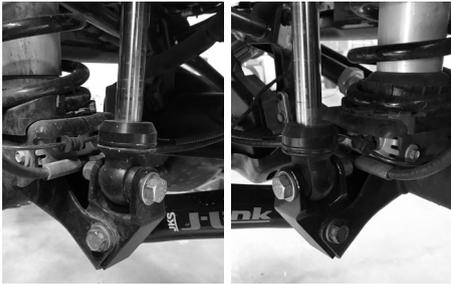


Fig. 7 Driver's side (Left), Passenger's side (Right)

7. Connect the FOX shock to the top vehicle mount using the OEM hardware. Torque to OEM specifications. Ensure that the upper, longer, bushing spacer is facing the inside of the vehicle and the hoses are facing outward.
8. Connect the FOX Shock to the lower relocation block using the supplied 12MM hardware. Torque to 75 ft-lbs. See figure 8 for final install.
9. Place reservoir onto the bracket using the dovetail feature on the reservoir. Ensure that the reservoir has at least 1/8" clearance from the skid plate or any surrounding vehicle parts (Fig 9).



Fig. 8 Driver's side (Left), Passenger's side (Right)



Fig. 9 Dove tail feature (Left), Check reservoir clearances. Passenger's side shown (Right)

Once reservoir is placed, use the supplied clamp nuts and screws to mount the reservoir (Fig 10).

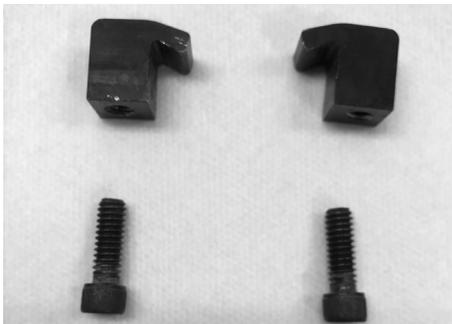


Figure 10: Clamp nuts and 1/4-20 hardware

Slide the clamp nut into the dovetail feature from the bottom of the reservoir to the top hole on the reservoir bracket (Fig 11).

The clamp nut and the top of the reservoir bracket should be flush. Apply Blue Thread Locker to the supplied 1/4-20 screws. Loosely install the supplied 1/4-20 screw. Then slide the second clamp nut to the bottom hole of the reservoir bracket. Loosely install the supplied 1/4-20 screw (Fig 12).

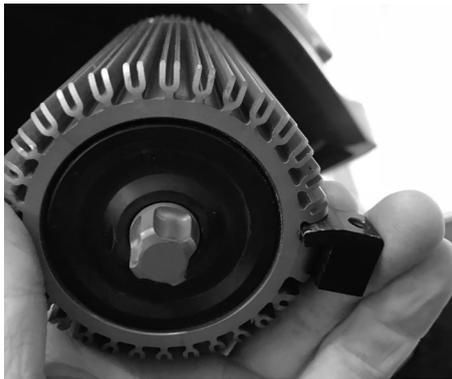


Figure 11: Slide clamp nut into dovetail feature



Figure 12: Loosely install 1/4-20 hardware. Passenger side shown

Torque the ¼-20 screws to 76 in-lbs (6.5 ft-lbs).

10. Once the reservoir is installed onto the vehicle, install the supplied hose separator clamps. Install 1st clamp 6" away from the hose fitting on the lower hose (Fig 12).



Figure 13: Clamp 1. Passenger side shown

Install 2nd clamp 6" away from 1st clamp on lower hose (Fig 14).

Torque the ¼-20 Bolt to 76 in-lbs (6.5 ft-lbs). Ensure that the 2 hoses are parallel to one another and that they lay closely to the frame rail (Fig 15).

11. Repeat Steps 9-15 for driver's side shock install.

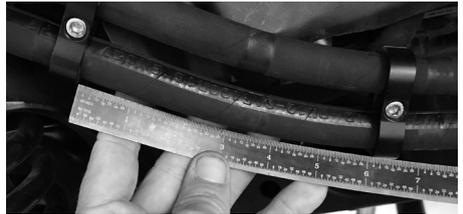


Figure 14: Clamp 2. Passenger side shown



Figure 15: Final installed shock. Passenger side shown

12. Check that the suspension has proper clearance by steering completely in both directions and articulating the vehicles suspension if applicable.
13. Reinstall both front wheels and torque to OEM specifications.

NOTE: It is recommended that you have 3.5-5" of shaft showing on front shock for optimum performance. At ride height



INSTRUCTIONS - REAR

Medium-strength thread locker (blue) is recommended on all bolts.

1. Please read the INSTALLATION GUIDELINES SECTION OF THIS MANUAL for instructions on how to properly lift and secure the vehicle.
2. Remove rear wheels.
3. Remove rear stock shocks. Do not discard OEM hardware. This will be used in later steps.

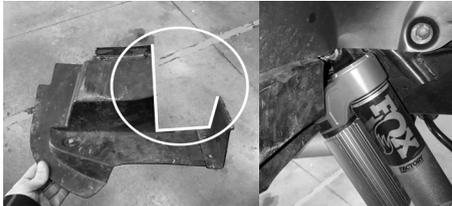


Figure 16: Recommended cut line. Passenger side shown

4. Minor fender liner trimming may be required for proper installation. See figure 16 for recommended trimming.
5. Reusing the OEM hardware, install the new FOX shock with the reservoir pointing towards the rear and angled outwards (Fig 16). Torque to OEM specifications.

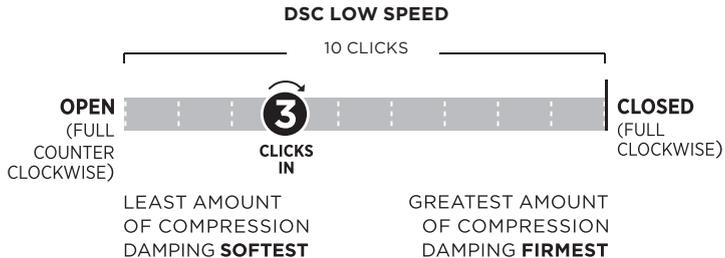
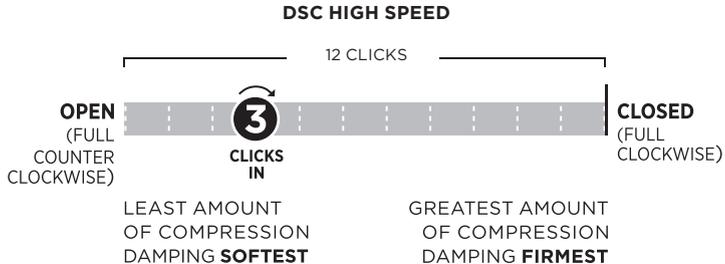


Figure 15: Final installed shock. Passenger side shown

6. Check that the suspension has proper clearance.
7. Reinstall both rear wheels and torque to OEM specifications.

NOTE: It is recommended that you have 5.5-7.25" of shaft showing on rear shock for optimum performance. At ride height.

RECOMMENDED DSC ADJUSTMENT - FRONT AND REAR





FOX LIMITED WARRANTY

FOX Factory, Inc., a California corporation having offices at 130 Hangar Way, Watsonville, CA 95076 ("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 PUNATIVE 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



**SHOX NEED
♥ TOO**



SERVICE & UPGRADES

Have your FOX serviced or upgraded 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 shocks. Once you've setup your service or upgrades you will receive a return authorization number and shipping instructions.

SERVICE INTERVALS

- 100% street use: every 50,000 miles
- 50% street / 50% offroad use: every 10,000 miles

SERVICE MENUS & PRICING

Please visit [ridefox.com/orservice](https://www.ridefox.com/orservice)

FOX

A large, stylized white fox tail graphic is positioned behind the letter 'O' in the word 'FOX'. The tail is curved and has several pointed, feather-like segments at its tip. The background is black with two diagonal grey stripes.

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