

PERFORMANCE SERIES COIL-OVER SNAP RING IFP
INSTALLATION GUIDE



TOYOTA Tundra (2007-2021)

985-62-003: 2.0 Performance Series Coil-Over Snap Ring IFP (Front)

605-01-311 REV A



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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.

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- Performance Series Snap Ring Coil-Over Shock
- Molded Spring Seat
- Aluminum Spring Retainer
- Snap Ring
- Bump Stop Spacers
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- FOX Sticker

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 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.

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 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 spring hardware and spring. Once the spring is removed, you can adjust the spring seat height by removing and installing the snap-ring. IT IS HIGHLY RECOMMENDED TO USE A SPRING COMPRESSOR WHEN MAKING ANY TYPE OF PRELOAD ADJUSTMENT!

2.0 PERFORMANCE SERIES COIL-OVER SNAP RING IFP INSTALLATION

INSTRUCTIONS - FRONT

1. Please read the installation guidelines for instructions on how to properly lift and secure the vehicle.
2. Remove both front wheels.
3. Remove OEM coil-over:
 - *For models equipped with Toyota Kinetic Dynamic Suspension System (KDSS). Support the hydraulic ram on the driver side of sway bar with a jack, then remove the (4) bolts securing the sway bar to the lower control arms.
 - 3a. Disconnect sway bar link from lower control arm. Do not discard OEM hardware. (Figure 1) 2nd arrow up from bottom of picture.
 - 3b. Disconnect upper arm ball joint from spindle. (Figure 1) highest arrow. Warning: Upper control arm may spring upwards when disconnected. Tip: Mallet may free up ball joint / spindle connection. Secure spindle with bungee or rope to prevent stress on sensor wires and break hose. Retain OEM hardware for reuse.
 - 3c. Remove (4) top mount bolts. (Figure 2). Warning: Do not remove nut in center. Retain OEM hardware for reuse. Tip: keep one nut loose but hand tight to prevent the shock from dropping out during the next steps.
 - 3d. Remove bolt from lower arm / shock connection. (Figure 1) lowest arrow. Tip: Take care not to damage bolt threads. A pry bar may be helpful to droop the lower control arm to free the bolt.
 - 3e. Remove OEM shock assembly for disassembly.
 - 3f. Removal of remaining OEM front shock is the same procedure.

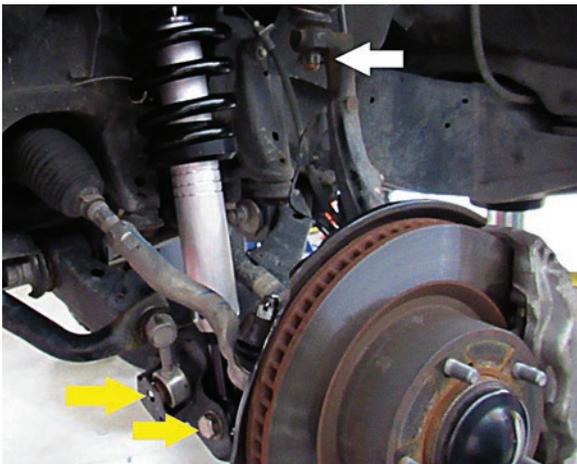


Figure 1: Front suspension (left side shown)

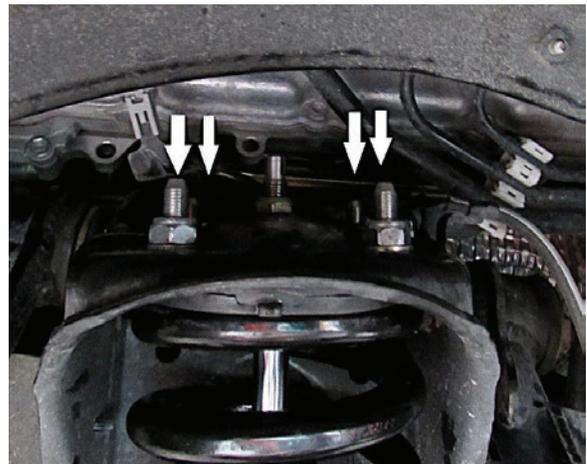


Figure 2: Top mount fastening to frame

4. Disassembly of OEM shock assembly:

4a. Make clear notes on alignment of Top mount/spring to lower control arm connection. There is an “OUT” marking on the OEM top mount indicating its direction relative to vehicle outboard. Tip: In addition to notes taking a picture with cellular phone may be helpful. This is needed for build up of the FOX shock.

4b. Use a professional spring compressor to compress shock assembly according to its included instructions. (Figure 3). **WARNING:** Follow all safety guidelines provided by the spring compressor manufacturer. Using a spring compressor in an unsafe manner can lead to **SERIOUS INJURY** or **DEATH**.

4c. Center nut in top mount is removed allowing shock to be removed from spring and associated hardware. (Figure 3) Refer to OEM service manual if not familiar. **Warning:** When center nut is removed the shock may drop from the spring compressor. OEM center nut is not retained for reuse.

4d. Retain OEM spring and associated hardware. Make sure to note the order and orientation the component came off of the OEM Assembly. (Figure 4).

4e. Inspect OEM component for excessive wear or damage especially rubber components. Keep vehicle mileage in mind.

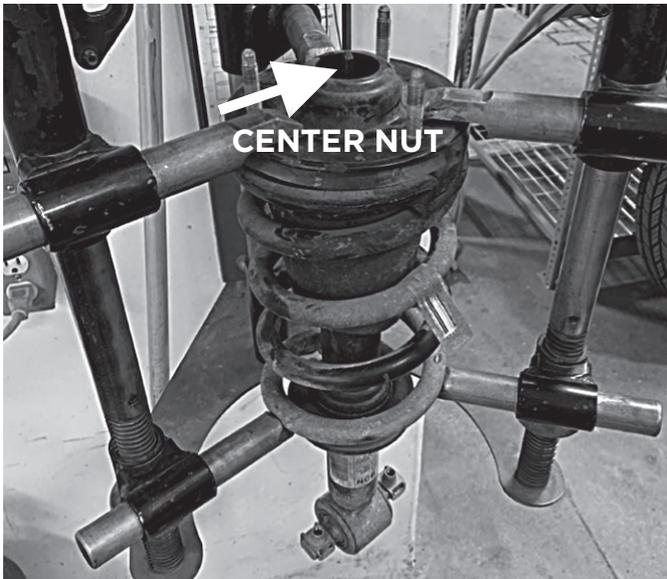


Figure 3: Professional spring removal tool



Figure 4: OEM top mount hardware to retain

5. Build up of FOX shock snap ring assemblies:
 - 5a. Select snap ring groove based on desired lift height (Figure 5).
 - 5b. Position onto FOX shock the snap-ring, spring seat, and lower seat. On the shaft make sure FOX supplied washer and curvy OE washer are stacked (Figure 6).
Tip: Careful not to scratch shock body if positioning is needed.
 - 5c. Use professional spring tool to install FOX assembly from 5b to OEM spring, top mount, and hardware. Take care that FOX decal faces to front of vehicle while the “OUT” text on the top mount is pointing outboard. Clearance notches should face to the front of the vehicle (Figure 5). FOX spring seat rotates freely so OEM spring orientation can be used. Review your notes taken from 4a.
 - 5d. Torque FOX supplied center nut to 20 ft-lbs.
 - 5e. Other side of vehicle will have the “OUT” text facing opposite the previously built shock to allow the clearance notches to point to front of vehicle.

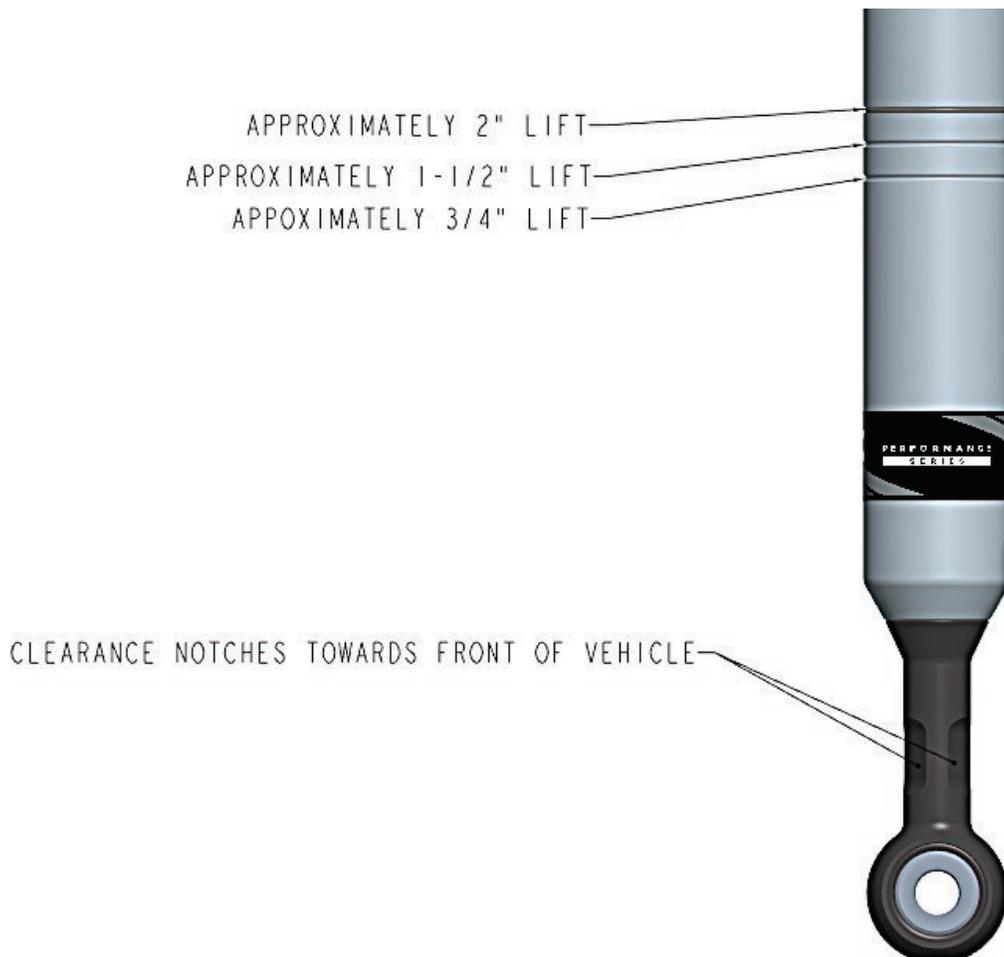


Figure 5: Illustration of groove/lift height options

6. FOX Coil-Over Installation:

6a. Install new coil-over assemblies onto vehicle by following the reversal of disassembly steps: (Step 3, 2). Add high strength thread locker and torque all fasteners to OEM recommended values.

6b. Perform a visual suspension check to verify that all components are installed correctly, and all fasteners have been tightened and torqued. Check that suspension has proper steering clearance by turning the front wheels lock to lock. Check proper clearance between shock eyelet and lower control arm. Reliefs are designed into lower eyelet to clear lower control arm when shock is properly assembled.

6c. A professional wheel alignment is highly recommended after installation.

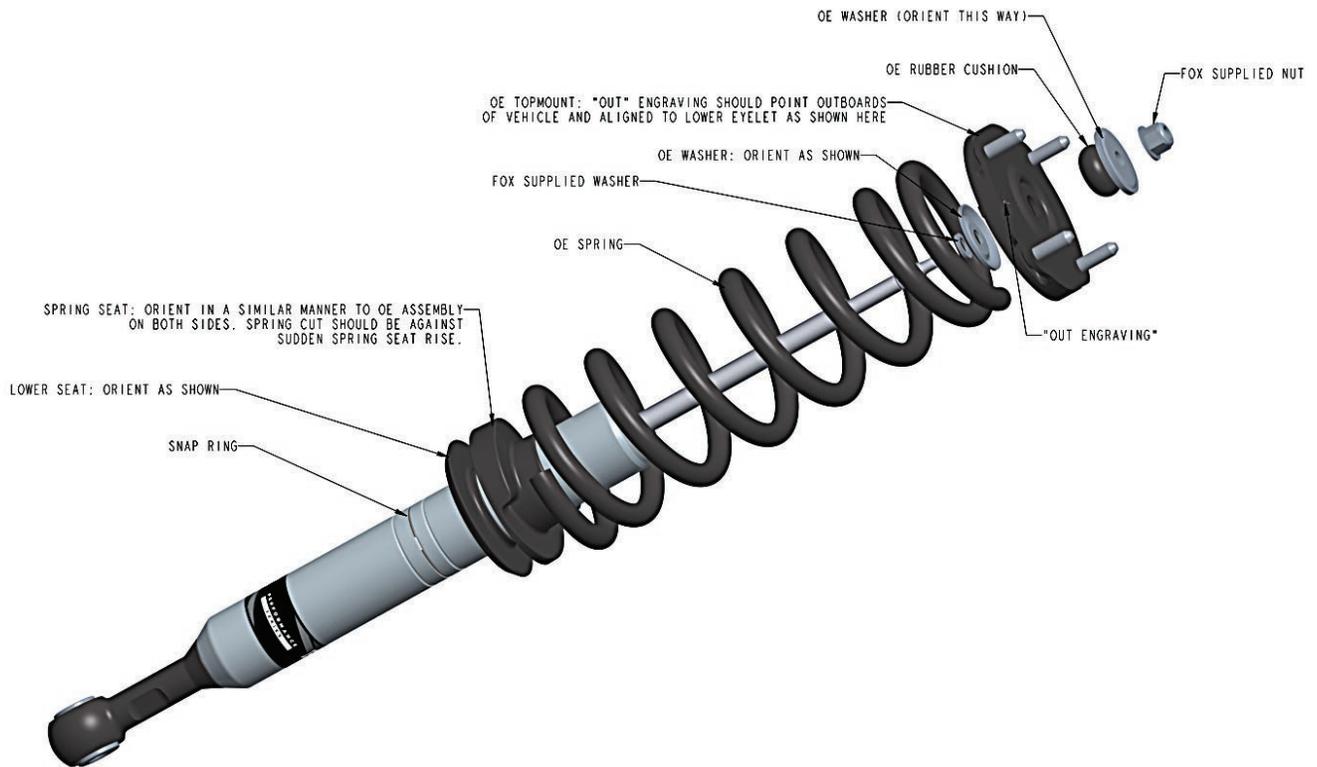


Figure 6: Illustration of FOX shock assembly order (reference OEM assembly for spring orientation)

7. Install provided spacer (only needed for two highest lift groove settings):
 - 7a. Remove the two bumps stops (two on each side of vehicle) (Figure 7).
 - 7b. Place spacer between bumps stop and frame and retighten to manufacturer's torque value (Figure 7).

Important: Make sure to install both bump stops or frame damage is likely.



Figure 7: Bump stop locations



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 SHOCKS SERVICE & UPGRADES

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EVERY 10,000 MILES

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