



**DIRECT-REPLACEMENT
INSTALLATION GUIDE**

TOYOTA TUNDRA (2022-ON)

FACTORY RACE SERIES 3.0 INTERNAL BYPASS

883-06-219 - Kit: 22-On Toyota Tundra, w/UCA, Front Coilover, Internal Bypass, 3.0 Series, Recirc R/R, DSC, 2-2.25" Lift

883-26-140 - Kit: 22-ON Toyota Tundra, Rear, Internal Bypass, 3.0 Series, Recirc R/R, DSC, 0-1" Lift

883-26-142 - Kit: 22-ON Toyota Tundra, w/Ext Brake Lines, Rear, Internal Bypass, 3.0 Series, Recirc R/R, DSC, 1.5-2" Lift

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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

- Front Shocks or Rear Shocks
- Supplied Hardware
- Installation Guide

FRONT SHOCK SUPPLIED PARTS

FRONT SHOCK ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
883-06-219-L/R	LEFT/RIGHT SHOCK	2	UCAs are required.
FRONT RESERVOIR BRACKET ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
026-01-278-1	LEFT RESERVOIR BRACKET	1	Brackets mount the remote reservoirs to the vehicle.
026-01-278-2	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.
018-01-049	SELF TAPPING SCREW: 1/4-14 X 1"	2	Screws fasten the bracket to vehicle.
018-02-044	HEX SCREW: 1/4-20 X .75	4	The hex screw tightens the reservoir clamp nut against the dovetail notches and bracket to secure the reservoir.
026-01-184	RESERVOIR CLAMP NUT	4	
803-02-097	HOSE SEPARATOR KIT	2	Each kit includes a bottom and top hose separator. The two components are clamped together with the supplied screw.

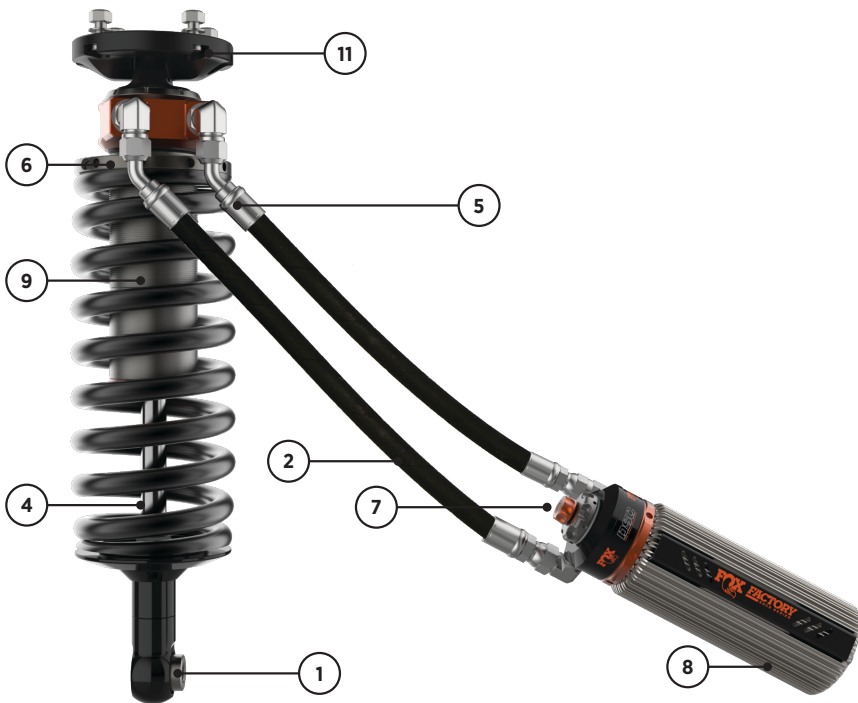
REAR SHOCK SUPPLIED PARTS

REAR SHOCK ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
883-26-140-L/R	LEFT/RIGHT SHOCK	2	
883-26-142-L/R	LEFT/RIGHT SHOCK	2	Extended brake lines are required.
REAR RESERVOIR BRACKET ASSEMBLY			
FOX PN	DESCRIPTION	QTY	NOTES
026-01-280-1	RESERVOIR BRACKET	1	Brackets mount the remote reservoirs to the vehicle.
026-01-280-2	RESERVOIR BRACKET	1	
018-01-049	SELF TAPPING SCREW: 1/4-14 X 1"	2	Screws fasten the bracket to vehicle.
018-02-044	HEX SCREW: 1/4-20 X .75	4	The hex screw tightens the reservoir clamp nut against the dovetail notches and bracket to secure the reservoir.
026-01-184	RESERVOIR CLAMP NUT	4	

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		

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.

FRONT 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.
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.

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.

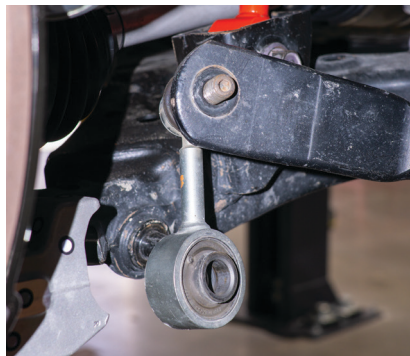


Fig. 2: Sway bar end link.



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). Secure the reservoir bracket to the frame with the provided self tapping screw.

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

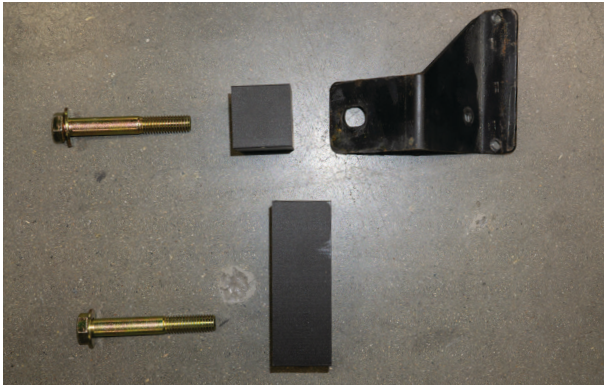


Fig. 5: Reservoir bracket assembly.

10. Remove the four top hat nuts that secure the stock shock assembly to the vehicle (Fig. 7). DO NOT remove the center nut. Removal of the center nut will release the spring from the stock assembly and may result in SERIOUS INJURY or DEATH!

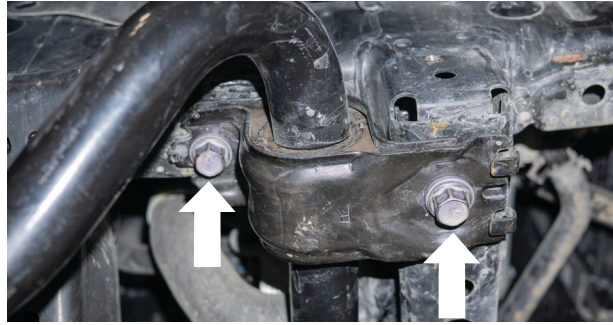


Fig. 4: Remove sway bar bracket.

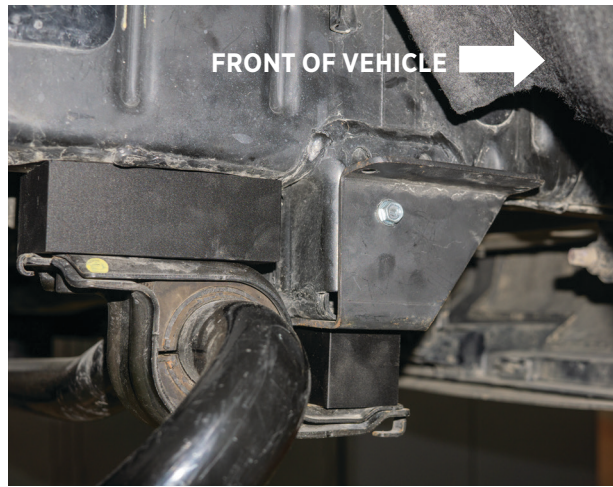


Fig. 6: Install the reservoir bracket assembly.

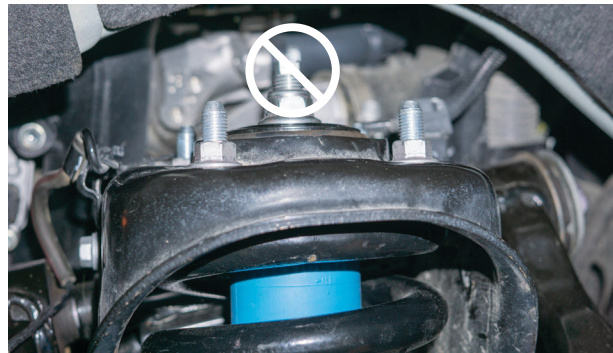


Fig. 7: Remove the four top hat nuts.

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. 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 16.



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: Factory Race Series shocks are position sensitive. There should be 4-4.25" of chrome shaft showing when vehicle is at ride height. If the amount of chrome showing is less than 4", raise the ride height by adding preload to the spring. Up to 3/8" of 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.

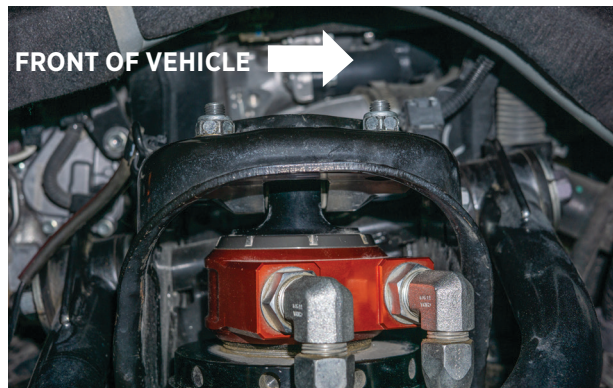


Fig. 9: The hose fitting faces outboard.



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

RESERVOIR BRACKET INSTALL

15. Slide both reservoir clamp nuts into the upper side of the dovetail notch. Slide the first clamp nut down to the orange lockring (Fig.11-12).

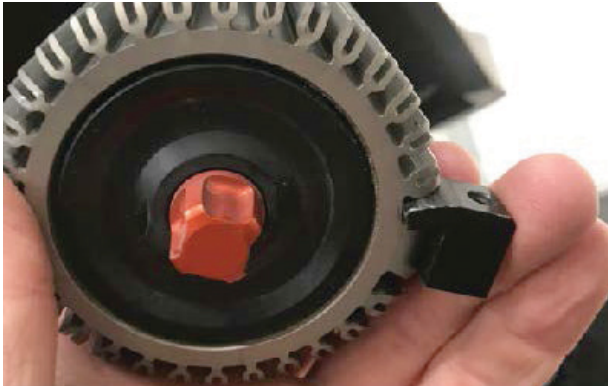


Fig. 11: Slide both clamp nuts into the dovetail.

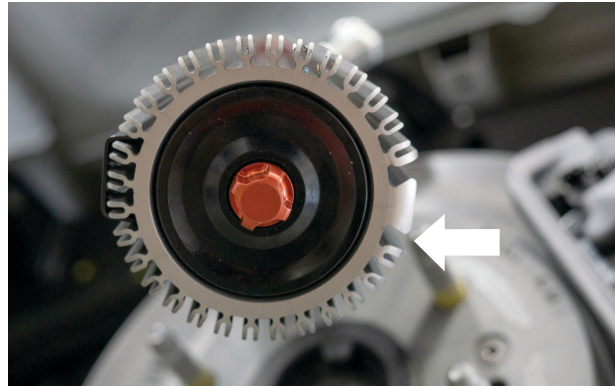


Fig. 12: Lower dovetail marries to the reservoir bracket.

16. Use the lower side of the dovetail notch on the reservoir to marry the bracket and reservoir (Fig. 13). The reservoir needs at a minimum 1/8" clearance from any surrounding vehicle parts.

17. Loosely install one of the supplied screws. Next, slide the second clamp nut to the second hole of the reservoir bracket. Loosely install the second supplied screw. Torque the clamp nut screws to 76 in-lbs. (Fig. 14).



Fig. 13: Mount the reservoir to the bracket.



Fig. 14: Mount the reservoir to the bracket.

18. Once the reservoir is installed onto the vehicle, install the supplied hose separator clamp. Install clamp 6" away from the hose fitting on the lower hose (Fig 15)

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



Fig. 15: Install the clamp (passenger side shown).



Fig. 16: Reattach UCA to the upright.

20. Reinstall the tie rod end link (Fig. 14) and sway bar end link (Fig. 15). Torque all hardware to OEM specification. Secure the tie rod end link's castle nut with a new cotter pin.

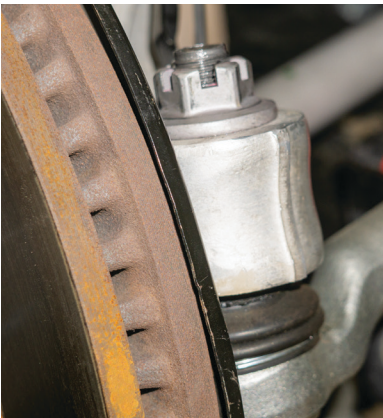


Fig. 17: Tie rod end link.



Fig. 18: Sway bar end link.

CHECK AND FINAL DETAILS

21. Reinstall the wheels and torque to OEM specifications.

22. 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.

23. Check that the suspension has proper clearance by steering completely in both directions.

24. Measure the vehicle's ride height and adjust if necessary.

25. 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 19 & 20).



Fig. 19: Remove stem top nut.



Fig. 20: Remove lower shock mount bolt.

4. Remove the rear stock shocks.

FOX SHOCK INSTALL

5. Orient the FOX shock with the hose fitting pointed outward. Loosely install the stem top nut and lower shock mount bolt (Fig. 21).

6. Torque the lower bolt to OEM specification (Fig. 22). Tighten the stem top nut until there are 3-4 threads showing above the nut.

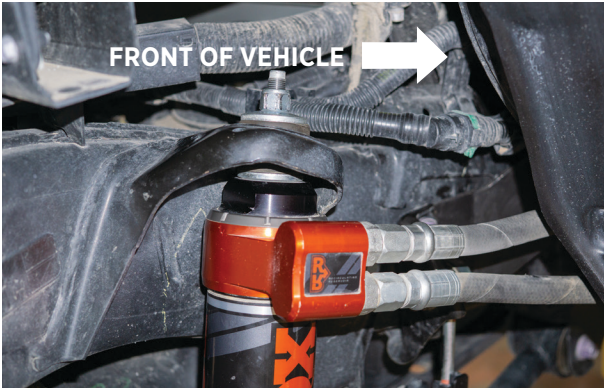


Fig. 21: Install the stem top nut (passenger side shown).



Fig. 22: Install the lower shock bolt (passenger side shown).

RESERVOIR BRACKET INSTALL

7. Mount the reservoir to the bracket first (Fig. 23-24). Then install the bracket to the vehicle. Refer back to the front coil-over installation for how the reservoir interfaces with the bracket.



Fig. 23: Mount the reservoir to the bracket.



Fig. 24: Mount the reservoir to the bracket.

8. Remove the two bolts fastening the sway bar bracket to the frame (Fig. 25).

9. Install the reservoir bracket between the sway bar bracket and the vehicle's frame (Fig. 26-27). Torque the bolts to OEM spec. Fasten the reservoir bracket to the frame with a provided self tapping screw (Fig. 28).

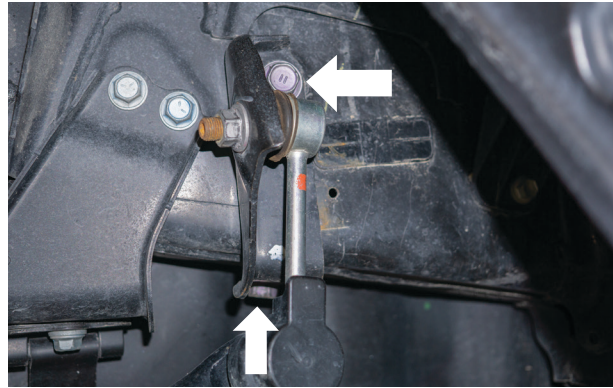


Fig. 25: Remove the two sway bar bracket bolts (passenger side shown).

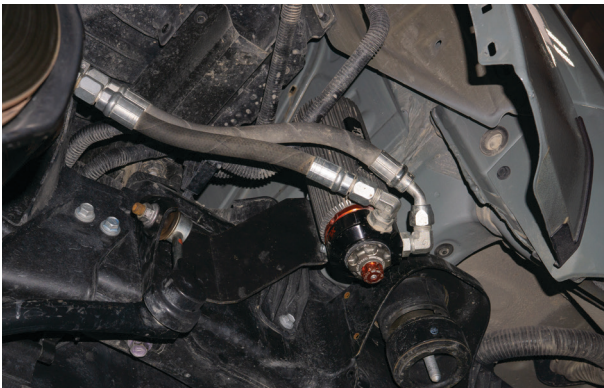


Fig. 26: Install the reservoir (passenger side shown).



Fig. 27: Install the reservoir (passenger side shown).



Fig. 28: Install the self tapping screw (passenger side shown).

CHECK AND FINAL DETAILS

10. Reinstall the wheels and torque to OEM specifications.

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

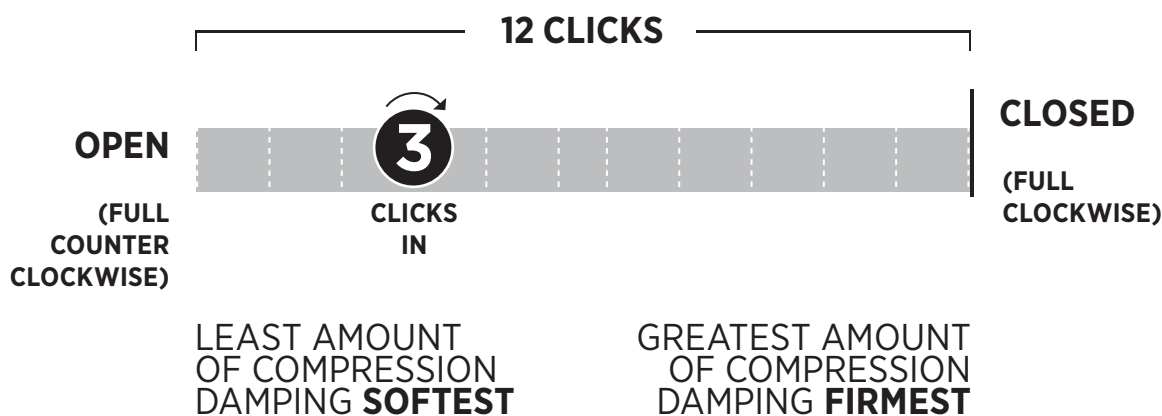
FOX FACTORY DSC

DUAL SPEED COMPRESSION (DSC) ADJUSTER SETTINGS

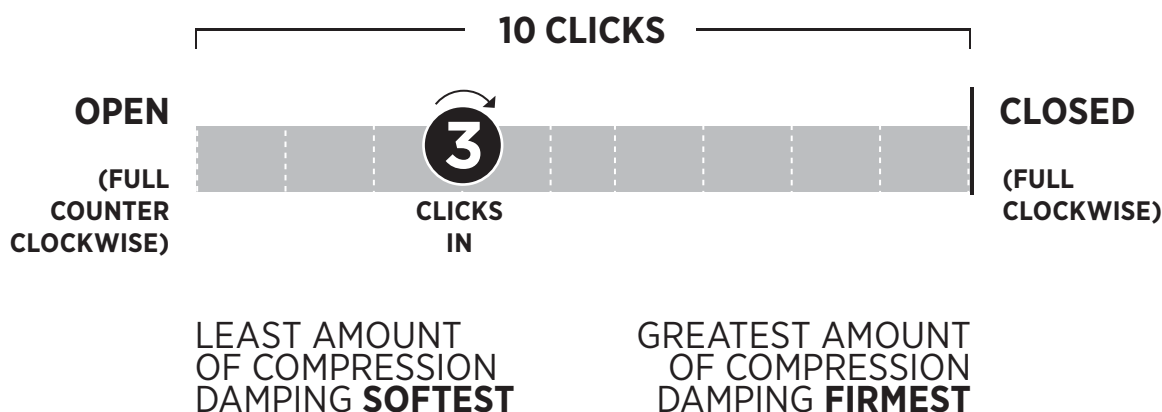
FRONT DSC	REAR DSC
HSC: 5	HSC: 3
LSC: 5	LSC: 3

NOTICE: FOX Ride Engineers tuned around a stock weight vehicle with the DSC set at the following:

DSC HIGH SPEED COMPRESSION (HSC)



DSC LOW SPEED COMPRESSION (LSC)



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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visit ridefox.com/service



**WARNING: Cancer and
Reproductive Harm –**
www.P65Warnings.ca.gov

