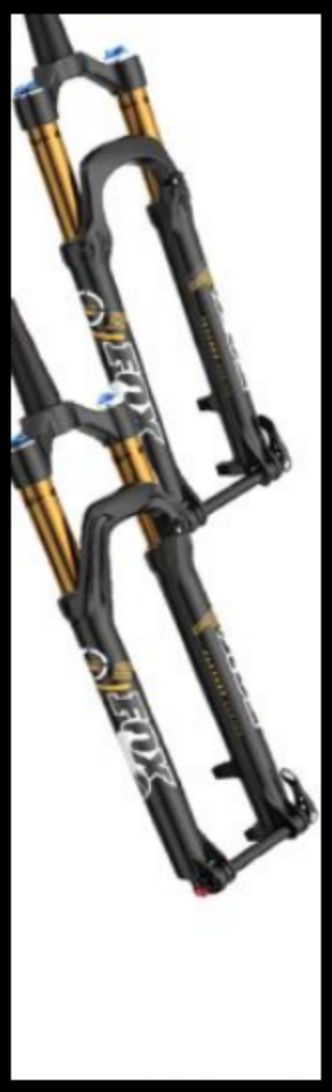
OWNER'S MANUALS

FORK- 2015 32MM/34MM FLOAT (AND 831)



TRAVEL

- 3.9 in./100mm (32 only)
- 4.7 in./120mm (32 only)
- 5.1 in./130mm
- 5.5 in./140mm
- 5.9 in./150mm
- 6.3 in./160mm (34 only)

FEATURES/ADJUSTMENTS

32 FACTORY FIT ICD; 100, 120; Kashima Coated upper tubes, 1-1/8" straight or 1.5" tapered steerer, Electronic Climb/Descend mode, rebound, air spring pressure.

32 FACTORY FIT CTD W/ADJ; 100, 120, 130, 140, 150; Kashima Coated or anodized upper tubes, 1-1/8" straight or 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), Trail adjust range (1-7), rebound, air spring pressure.

32 FACTORY FIT CTD REMOTE; 100, 120, 130, 140, 150; Kashima Coated or anodized upper tubes, 1-1/8" straight or 1.5" tapered steerer, remote actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

32 FACTORY FIT TERRALOGIC®; 100, 120; Kashima Coated upper tubes, 1-1/8" straight or 1.5" tapered steerer, Terralogic threshold, rebound, air spring pressure.

32 PERFORMANCE FIT CTD; 100, 120, 130, 140, 150; Anodized upper tubes, 1-1/8" straight or 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

32 EVOLUTION CTD; 100, 120, 130, 140, 150; Anodized upper tubes, 1-1/8" straight, 1.5" tapered, or 1.25"-1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

32 EVOLUTION CTD REMOTE; 100, 120, 130, 140, 150; Anodized upper tubes, 1-1/8" straight or 1.5" tapered steerer, remote actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

32 831; 100; Kashima Coated upper tubes, 1.125" or 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), Trail adjust range (1-7), rebound, air spring pressure.

34 FACTORY FIT CTD W/ADJ; 130, 140, 150, 160; Kashima Coated or anodized upper tubes, 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), Trail adjust range (1-7), rebound, air spring pressure.

34 FACTORY FIT CTD REMOTE; 130, 140, 150, 160; Kashima Coated or anodized upper tubes, 1.5" tapered steerer, remote actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

34 PERFORMANCE FIT CTD; 130, 140, 150, 160; Anodized upper tubes, 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

34 EVOLUTION CTD; 130, 140, 150, 160; Anodized upper tubes, 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

34 EVOLUTION CTD REMOTE; 130, 140, 150, 160; Anodized upper tubes, 1.5" tapered steerer, remote actuated Climb/Trail/Descend (3 position), rebound, air spring pressure.

34 831; 100; Kashima Coated upper tubes, 1.5" tapered steerer, lever actuated Climb/Trail/Descend (3 position), Trail adjust range (1-7), rebound, air spring pressure.

Some combinations of features, adjustments, travel, and wheel sizes may not be available for purchase.

LOWER LEG

- 15QR thru-axle system, post-style disc brake mounting

- 15QR thru axle system, post style disc brake mounting
- 9 mm open dropout, post style disc brake mounting (32 only)

SPRING

Air

RIDING STYLE

XC, Trail, AM (831: 4X, DJ)

SECTIONS

BEFORE YOU RIDE >
SETTING FORK AIR PRESSURE >
ADJUSTING REBOUND >
CLIMB, TRAIL, DESCEND >
ADJUSTING TRAIL MODE >
USING THE CTD REMOTE >
USING THE ICD SYSTEM (32 ONLY) >
ADJUSTING TERRALOGICÂ® THRESHOLD (32 ONLY) >
CHANGING TRAVEL (32 ONLY) >
SERVICE INTERVALS >
BASIC MAINTENANCE (32 ONLY) >

⚠ For general information and installation instructions click here »

Before You Ride

MAKE SURE THAT YOUR FORK IS READY TO RIDE

1. Check that quick-release levers are properly adjusted and tightened.
2. Inspect the entire exterior of your fork. The fork should not be used if any of the exterior parts appear to be damaged. Contact your local dealer or FOX for further inspection and repair.
3. Check your headset adjustment. If loose, adjust it accordingly to your bicycle manufacturer's recommendations.
4. Check that all brake cables or hoses are properly fastened.
5. Test the proper operation of your front and rear brakes on level ground.
6. Before every race or ride, clean the outside of your fork with only mild soap and water, and wipe dry with a soft dry rag. Do not spray water directly into the seal/upper tube junction. Do not use a high pressure washer on your fork.

Setting Fork Air Pressure

⚠ Setting sag is desired and necessary for proper fork performance during general XC/Trail riding. The 831 fork is not intended for general XC/Trail riding use, but for four cross racing, slalom, or dirt jumping. Therefore, the air pressure is generally not set by obtaining proper sag, but is intended to be set for proper riding feel and bottom out control.

⚠ 32 FLOAT maximum air pressure is 125psi

⚠ 34 FLOAT maximum air pressure is 110psi

SAG SHOULD BE SET TO 15 - 20% OF TOTAL FORK TRAVEL

1. Unscrew the blue air cap on top of the left fork leg counter-clockwise to expose the schrader valve.





2. Attach a FOX High Pressure Pump to the schrader valve.
3. Pump your fork to the appropriate pressure as listed in the 'Suggested starting points for setting sag' table below, then remove the pump.
4. Using your forks sag setting o-ring on the left upper tube (or temporarily install a zip tie to the upper tube), slide the o-ring (or zip tie) down against the fork dust wiper.



5. Rotate the CTD lever to the Descend mode (the riders 1 o'clock position).
   - If you have a Remote CTD fork, click the black release lever once to set the fork to Descend mode.
   - If you have a Terralogic® fork, turn the blue Terralogic® threshold adjust knob fully counter-clockwise.
6. Dressed to ride (including a filled hydration pack, if you use one), position your bike next to a wall or table to support yourself. Mount your bicycle. Assume your riding position for at least 10 seconds, allowing the suspension to fully settle. Make sure you distribute your weight evenly between the saddle, handlebars and pedals.
7. While in your riding position, slide the o-ring (or zip tie) down against the fork dust wiper.
8. Dismount your bike without bouncing, to avoid further moving the o-ring or zip tie. Measure the distance between the dust wiper and the o-ring or zip tie. This is your sag measurement. Suggested sag measurements are listed in the table below.
9. Add or remove air pressure until your sag measurement is between 15-20% of your forks total travel.
10. Repeat steps 2-8 and recheck sag measurement.
11. When sag measurement is correct, screw the blue air cap on clockwise until snug.

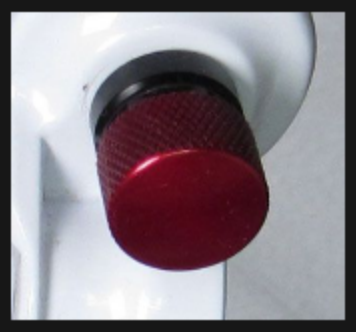
Suggested Starting Points for Setting Sag									
Rider Weight lbs/kgs		32/100mm	32/120mm	32/130mm	32/140mm	34/140mm	32/150mm	34/150mm	34/160mm
≤125	≤57	55psi	50psi	60psi	55psi	45psi	50psi	45psi	45psi
125 - 135	57 - 61	55psi	50psi	65psi	60psi	50psi	55psi	50psi	50psi
135 - 145	61 - 66	60psi	55psi	75psi	65psi	55psi	60psi	55psi	55psi
145 - 155	66 - 70	70psi	65psi	80psi	75psi	65psi	70psi	65psi	65psi
155 - 170	70 - 77	80psi	75psi	85psi	80psi	70psi	75psi	70psi	70psi
170 - 185	77 - 84	85psi	80psi	90psi	85psi	75psi	80psi	75psi	75psi
185 - 200	84 - 91	90psi	85psi	100psi	90psi	80psi	90psi	80psi	80psi
200 - 215	91 - 98	95psi	95psi	110psi	100psi	90psi	100psi	90psi	90psi
215 - 230	98 - 104	100psi	100psi	120psi	110psi	100psi	110psi	100psi	100psi
230 - ≥250	104 - ≥113	110psi	110psi	120psi	120psi	110psi	120psi	110psi	110psi

Suggested Sag Measurements		
Travel	15% sag (Firm)	20% sag (Plush)
3.9 in./100mm	.58 in./15mm	.78 in./20mm
4.7 in./120mm	.70 in./18mm	.94 in./24mm
5.1 in./130mm	.76 in./20mm	1 in./26mm
5.5 in./140mm	.82 in./21mm	1.1 in./28mm
5.9 in./150mm	.88 in./22mm	1.2 in./30mm
6.3 in./160mm	.95 in./24mm	1.3 in./32mm

Adjusting Rebound

Adjusting Rebound

REBOUND CONTROLS HOW FAST THE FORK EXTENDS AFTER COMPRESSING


The red rebound adjuster is located at the bottom of the right fork leg (the rebound knob on Terralogic forks is located at right topcap). Rebound controls the rate of speed at which the fork extends after compressing. Turning the knob clockwise (in) slows down rebound; turning the knob counter-clockwise (out) speeds up rebound. Rebound damping should only be set after first setting your air pressure by measuring sag.

1. Make sure your CTD fork is in Descend mode (fully counter-clockwise). If you have a Terralogic fork, turn the blue Terralogic threshold adjust knob fully counter-clockwise.
2. Starting with the rebound adjuster fully open (counter-clockwise) push on the fork to compress it and feel its return speed.
3. Increase rebound damping by turning the red rebound knob in clockwise until when tested, the fork returns quickly but does not top out.

Top out is felt when a fork fully extends too quickly and comes to an abrupt stop when it reaches full extension (you will hear/feel a small noise). Top out should be avoided through proper rebound setting.

Climb, Trail, Descend

EASY ON-THE-FLY ADJUSTMENTS FOR UNPRECEDENTED CONTROL AND PERFORMANCE

The blue CTD lever lets you to switch between the Climb, Trail, and Descend modes. Each mode is optimized for each specific type of terrain, providing exceptional performance and riding enjoyment with your fork. CTD allows for complete rider control as one can experiment using different modes on various different types of terrain.

Climb Mode:



Rotate the blue CTD lever fully clockwise to set the fork in Climb mode. Climb mode is a very firm low-speed compression setting (not designed to be a solid lockout). This setting is most useful for climbing and sprinting.

Trail Mode:



Rotate the blue CTD lever to the middle setting to set the fork in Trail mode. Trail mode offers less compression damping than Climb mode. Use this setting when pedaling on undulating terrain, and for preventing excessive travel in technical riding situations (such as low-speed drops). Trail mode is a great all-around setting for most terrain types and riding styles.

Descend Mode:



Rotate the blue CTD lever fully counter-clockwise to set the fork to Descend mode. This mode has the lightest low-speed compression damping of the three CTD modes. Descend mode offers the most plush ride to ensure optimal traction over varied terrain.

Adjusting Trail Mode

FIT CTD W/TRAIL ADJUST MODELS ALLOW FOR ADDED FINE TUNING





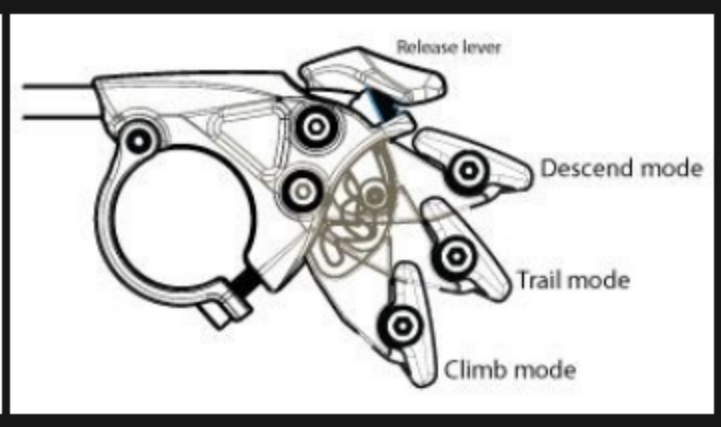
Factory CTD w/Trail Adjust model forks feature a seven-position Trail Adjust control that regulates low-speed compression damping only in Trail mode. For firmer low-speed compression in Trail mode, turn the black Trail Adjust knob clockwise. For lighter low-speed compression, turn the Trail Adjust knob counter-clockwise.

Trail adjustments (1-soft, 2, 3, 4-medium, 5, 6, 7-firm) only function in Trail mode.

Using the CTD Remote

EASY ON-THE-FLY ADJUSTMENTS FOR UNPRECEDENTED CONTROL AND PERFORMANCE





The CTD Remote lets you to switch between the Climb, Trail, and Descend modes while riding. Each mode is optimized for a specific type of terrain, providing best performance and riding enjoyment. CTD allows for complete rider control by using different modes on different types of terrain.

Climb Mode:

Climb Mode:

- Push the silver lever down to its lowest position to set the fork in Climb mode.

Climb mode is a very firm low-speed compression setting (not designed to be a solid lockout). This setting is most useful for climbing and sprinting.

Trail Mode:

- From Climb mode, push the black release lever once and then push the silver lever down one click to the middle position to engage Trail mode.
- From Descend mode, push the silver lever down one click to the middle position to engage Trail mode.

Trail mode offers less compression damping than Climb mode. Use this setting when pedaling on undulating terrain, and for preventing excessive travel in technical riding situations (such as low-speed drops). Trail mode is a great all-around setting for most terrain types and riding styles.

Descend Mode:

- Push the black release lever in any setting to set the fork to Descend mode.

Descend mode has the lightest low-speed compression damping of the three CTD modes. Descend mode offers the most plush ride to ensure optimal traction over varied terrain.

⚠ NOTE: Actuate the release lever with the suspension unweighted for immediate changes between damping settings. Actuating the release lever with the suspension under load may cause a slight delay transitioning between damping modes.

Using the iCD System (32 only)

FAST ACTIVATION AND ALMOST EFFORTLESS OPERATION

iCD Pre-Installation Guide Download »

iCD Owner's Guide Download »

FLOAT iCD elevates cross country and trail riding to the next level. FLOAT iCD integrates an electronic actuated system into proven FOX FLOAT fork and shock designs, to quickly and optimally adjust between Climb and Descend modes.

This system offers fast activation and almost effortless operation. FLOAT iCD shares features with the Shimano E-Tube electronic shifting technology. FLOAT iCD uses Power-Line-Communication (PLC) that facilitates data and power flow through a single wire, permitting minimal wiring and ease of setup.

By default, the switch has a two position configuration, the same configuration as that most commonly used by FOX world class racers. For a full suspension setup, both fork and rear shock are actuated simultaneously. The switch can be operated by rotating it with your thumb using the thumb actuation indentation, or with the index finger actuation lever.

Climb Mode:





Rotating the switch down actuates climb mode for a right-mounted switch; if you have the switch mounted on the left side, rotating the switch up actuates climb mode. Climb mode is a very firm low-speed compression setting (not designed to be a solid lockout). This setting is most useful for climbing and sprinting.

Descend Mode:



Rotating the switch up actuates descend mode; if you have the switch mounted on the left side, rotating the switch down actuates descend mode. Descend mode has the lightest low-speed compression damping of the two iCD modes. Descend mode offers the most plush ride to ensure optimal traction over varied terrain.

The Optional PC linkage device can be used to connect a PC to the bicycle (system or unit), and an E-tube Project* can be used to carry out tasks such as, problem diagnosis of single units and the whole system, updating firmware*, and customizing.

- * E-tube Project: the PC application
- * Firmware: the software inside each unit

The E-tube project application download can be found here: http://e-tubeproject.shimano.com

Adjusting TerralogicÂ® Threshold (32 only)

SET THE FIRMNESS OF YOUR PLATFORM ON TERRALOGIC FORKS



The Terralogic damper contains a weighted inertia valve (Brassmass™), that freely slides on a shaft to open and close compression oil flow ports in the damper.

The Brassmass assembly automatically responds to the impact of trail bumps or depressions, opening the compression oil flow ports and allowing the flow of damping oil. The Brassmass assembly does not respond to input from above (rider input such as pedaling, sprinting, G-outs, etc), keeping the compression flow ports closed and maintaining the pedaling platform or fork lockout.

The 15-position blue Terralogic threshold adjust knob located on the bottom of the right fork leg allows you to fine-tune your pedaling platform anywhere between lockout-firm and fully open plush damping (or zero pedaling platform).

To make pushing through the fork travel harder and increase the pedaling platform, turn the blue threshold adjust knob clockwise. Turning the adjust knob completely clockwise makes the fork feel locked out—until the Brassmass is activated by hitting a bump.

To make pushing through the fork travel easier and decrease the pedaling platform, turn the threshold adjust knob counter-clockwise. Turning

the knob fully counter-clockwise bypasses the Brassmass assembly entirely.

As no two riders are the same (weight, strength, riding style, terrain choices, or simply personal preference with riding feel), FOX encourages you to spend time exploring the possibilities with Terralogic threshold adjustment, to discover the "sweet spot" that feels right to you on your terrain.

Changing Travel (32 only)

You can adjust the travel of most 32mm FLOAT forks by 10mm increments. Most forks can have their travel shortenend, but only select few models can have their travel extended.

As many 32mm FLOAT forks have been built with slightly different internal air spring systems, your fork may appear different than that shown. To make sure that you are prepared with the correct travel adjust parts specific to the fork that you are working on and that your fork model can be travel adjusted, FOX recommends that you first take note of your fork's serial number and 4-digit product code, then contact FOX US at 1.800.369.7469, email mtbservice@ridefox.com, or contact an Authorized International FOX Service Center at ridefox.com/GlobalDistributors »

This video guides you through the process of changing your travel and bath oil.

Service Intervals

To best maintain the performance and durability of your product under normal use, FOX recommends that you have regular fork and shock maintenance performed according to the service intervals listed below.

Recommended Minimum Fork Maintenance

	Every Ride	Regularly	Every 125 Hours/Yearly, or whichever comes first.*
Clean exterior with mild soap and water only, then wipe dry with a soft towel.	●		
Check sag and damper settings. Inspect your product for visual damage and function of all controls.		●	
Full fork service (Full internal/external inspection, damper rebuild, air spring rebuild, bath oil and wiper replacement)			●

*Suspension product will require more frequent servicing the harder they are worked. For those who ride lift-accessed DH, Park, or Extreme Freeride or in extremely wet/muddy or dry/dusty environmental conditions where trail debris is sprayed onto the fork or shock while on the trail

or e-mtb's, FOX encourages riders to perform maintenance earlier than recommended above as needed. If you hear, see, or feel something unusual, stop riding immediately and contact a FOX Authorized Service Center for proper servicing.

Basic Maintenance (32 only)

Maintaining your fork is key to good performance on the trail. This video guides you through the process of changing your bath oil, dust wipers, and air seals to reduce friction and prevent wear.

As many 32mm FLOAT forks have been built with slightly different internal air spring systems, your fork may appear different than that shown. To make sure that you are prepared with all of the replacement parts specific to the fork that you are working on, FOX recommends that you first take note of your fork's serial number and 4-digit product code, then contact FOX US at 1.800.369.7469, email mtbservice@ridefox.com, or contact an Authorized International FOX Service Center at ridefox.com/GlobalDistributors »

Any bath oil service should be accompanied by an evaluation of the damper and service if necessary. Information on damper services can be found here »