

Formula 33 Suspension Fork

REMOTE LOCKOUT – INSTALLATION AND ASSEMBLY INSTRUCTIONS



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COMPONENTS:



1) O-RING	6) Lockout Mechanism
2) Lockout Regulator	7) Lockout Mechanism Set Screw
3) Regulator Spring	8) External Cable Set Screw
4) Regulator Housing	9) Dust Cover
5) Snap Ring	10) Cable housing
	11) Lockout Remote

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TOOLS NEEDED:



1) Loctite Medium (blue)	5) Internal Snap Ring Pliers J11
2) Spray Cleaner	6) T10 Torx Wrench
3) Caliper	7) 1.5 mm Hex Wrench
4) Internal Snap Ring Pliers J21	8) 2mm Hex Wrench
	9) Torque Wrench w/ 11mm open end wrench

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FIGURE 1:



REMOVE the lockout lever set screw using the T10 Torx wrench.

FIGURE 2:



REMOVE Lever.

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FIGURE 3:



REMOVE Snap Ring with j11 pliers.

FIGURE 4:



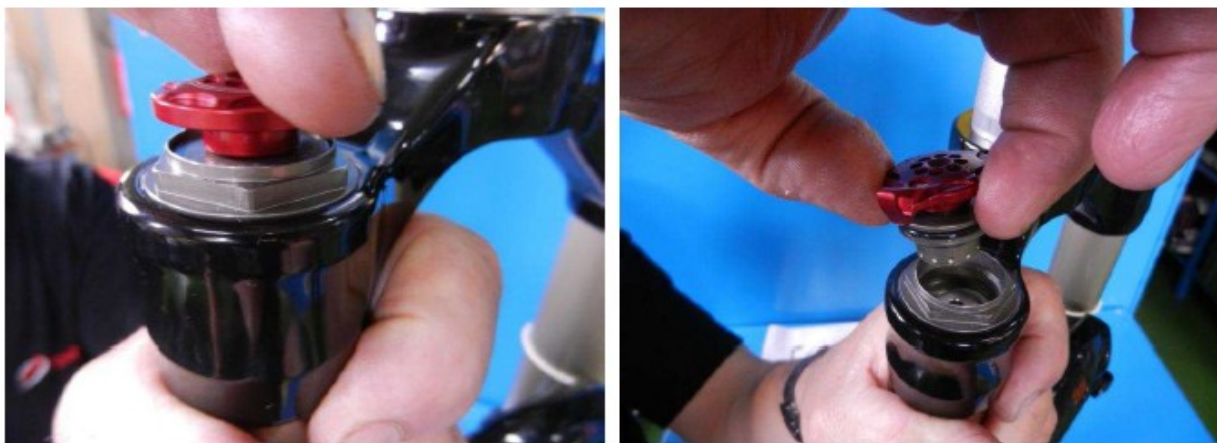
ROTATE clockwise until the lever turns freely.

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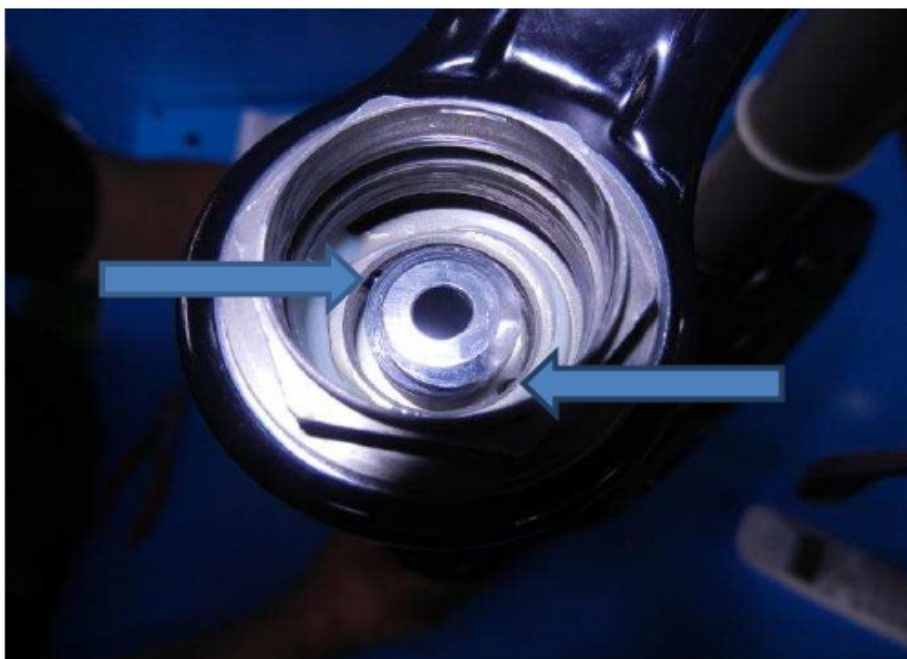


FIGURE 5:



TURN counter-clockwise and pull up to remove the lockout regulator.

FIGURE 6:



ATTENTION: Note the two small ball bearings seated in the correct position.

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FIGURE 7:



CLEAN regulator housing interior to remove any remaining liquid with a dry paper towel.

FIGURE 8:



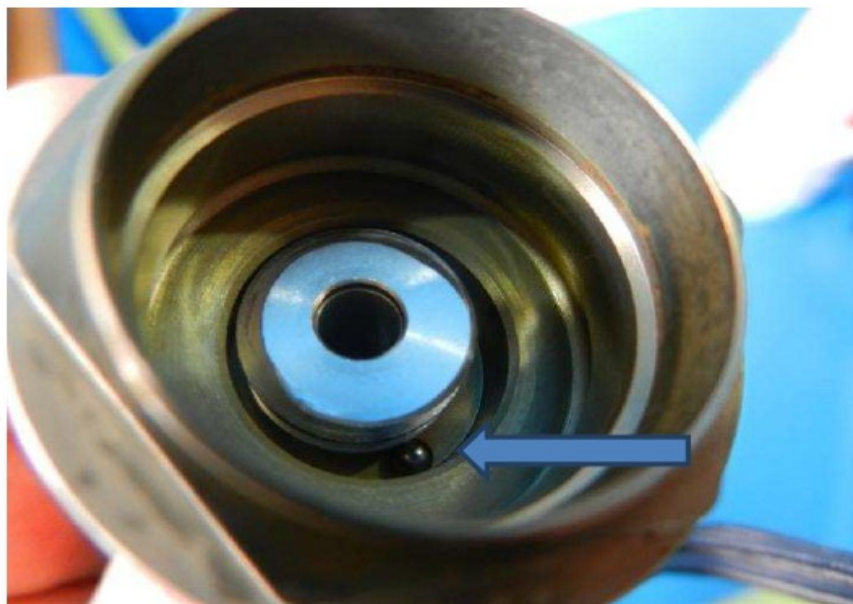
Additional CLEANING, if necessary, can be accomplished with spray cleaners safe for the seals (example wurth brake cleaner). Make sure that all remaining fluid is removed by inverting the fork and wiping interior with a clean dry cloth.

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FIGURE 9:



POSITION ball bearings into seated position with a small puff of air or flip slightly to one side to shift them into place.

FIGURE 10:



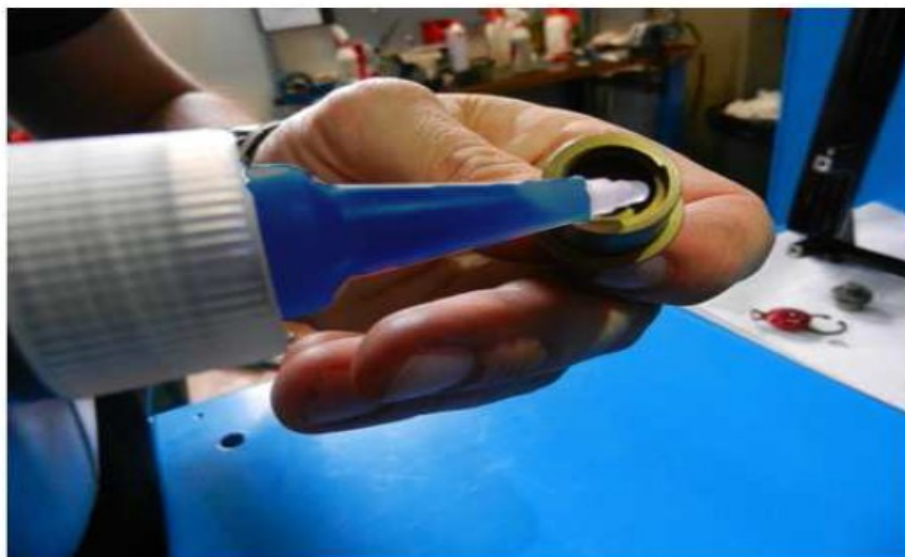
INSERT the O-Ring as shown. Be sure it is fully seated before continuing. (Without grease because the oring need to produce friction with part 4)

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FIGURE 11:



APPLY a small amount of medium thread locker on the threads of the regulator's interior.

FIGURE 12:



INSERT regulator spring onto the regulator.

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FIGURE 13:



SCREW the regulator (with the spring attached) counter-clockwise using an 11mm torque wrench and j21 snap ring pliers, tighten to 3Nm.

FIGURE 14:



INSERT regulator housing unit over the regulator.

FIGURE 15:



PUSH as shown until you hear a click indicating correct positioning of the regulator.

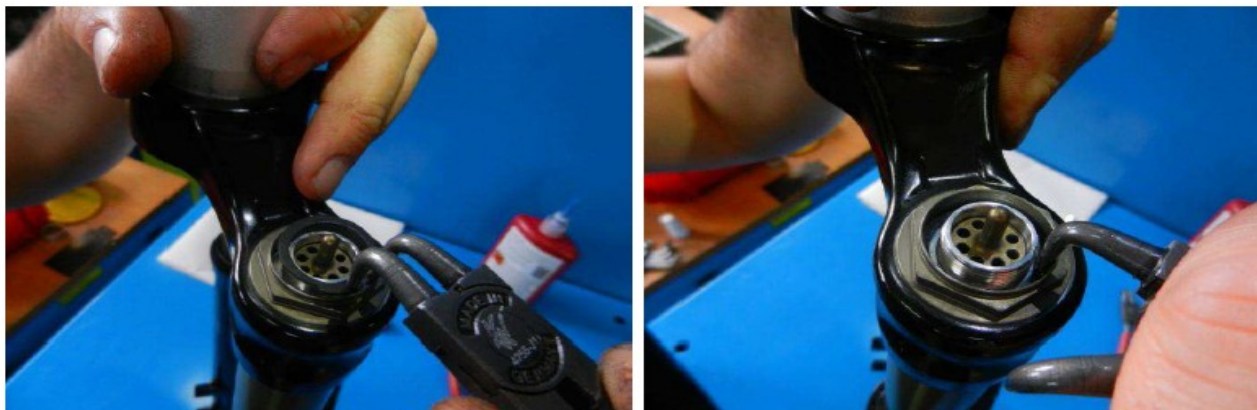
ATTENTION: You can help you only with tools that don't damage the threaded zone (example a round bar).

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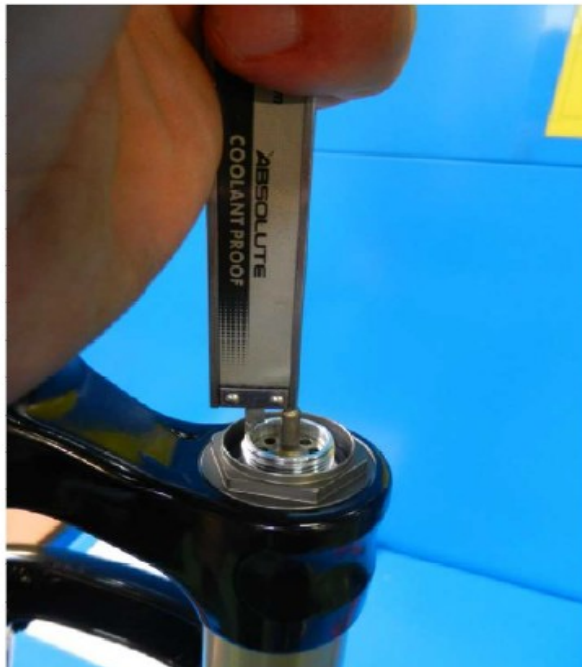


FIGURE 16:



INSERT snap ring using j11 snap ring pliers. CHECK to see that the snap ring is installed correctly by rotating it using only one tip of the j11 snap ring pliers. Make sure it rotates on both directions.

FIGURE 17:



Check for correct installation by measuring the stroke which should be approximately 1.5mm.

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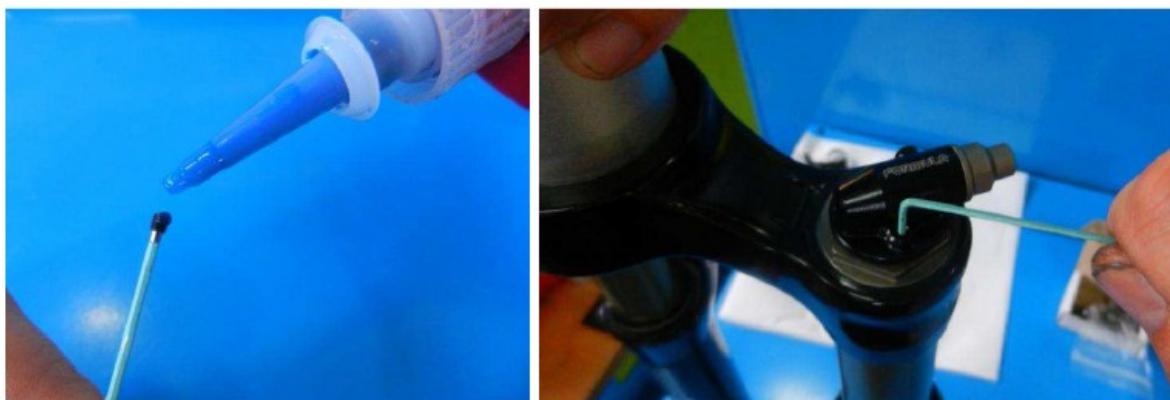


FIGURE 18:



SCREW lockout mechanism onto the regulator clockwise until you feel resistance. (The change of resistance means that the thread are finished and the part n°4 begin to rotating against the oring n°1)

FIGURE 19:



ADD medium thread locker onto the set screw and insert into the lockout mechanism as shown. Tighten with the 1.5mm hex wrench to secure the lockout mechanism onto the regulator unit. (0,9Nm)

NOTE: The lockout mechanism should now only rotate in conjunction with the regulator. As you rotate the lockout mechanism you should feel a small amount of resistance against the o-ring.

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FIGURE 20:



MOUNT the handlebar lockout remote on your handlebar, remove the cable, and cut the cable housing to the proper length to fit your bicycle. Once the housing length is set, install the cable into the handlebar lockout remote and the housing.

CUT the cable so that the exposed length of cable equals 19mm.

FIGURE 21:

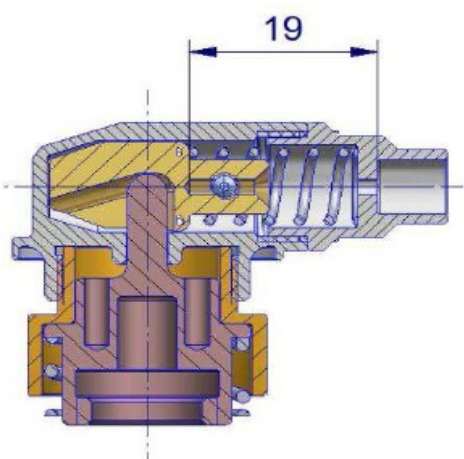


Diagram shows internal mechanism where the cable should rest.

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FIGURE 22:



SLIDE the dust cover over the housing with the open end facing the lockout mechanism.

FIGURE 23:

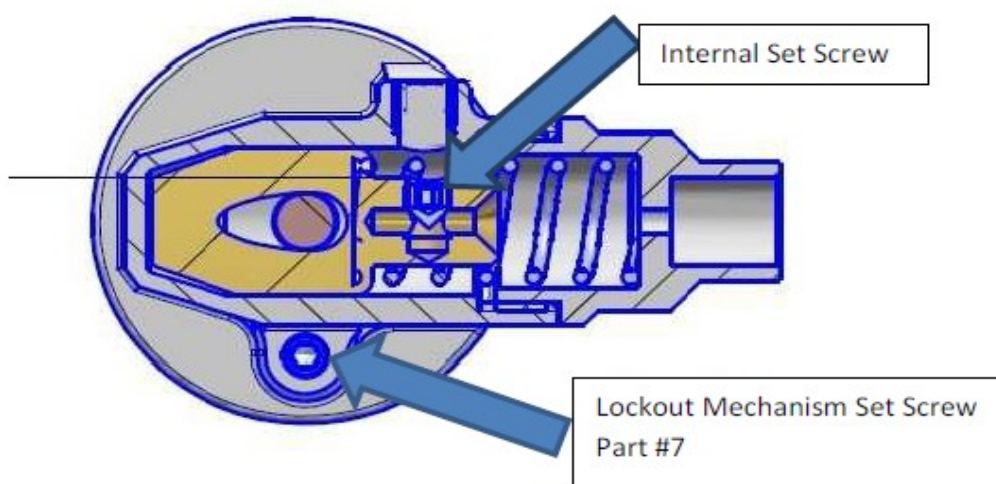


Diagram (top view) indicates internal mechanism where the cable is stayed and internal set screw.

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FIGURE 24:



UNSCREW the internal set screw on the side of the lockout mechanism – turn 3 times (from position all screwed) using the 1.5mm hex wrench.

NOTE: In order for the 1.5mm wrench to reach the cable set screw you must go beyond the spring, as seen in Figure 23.

FIGURE 25:



INSERT the cable and housing into the lockout mechanism.

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FIGURE 26:



Make sure that the head of the cable is fully seated in the lockout remote.

FIGURE 27:



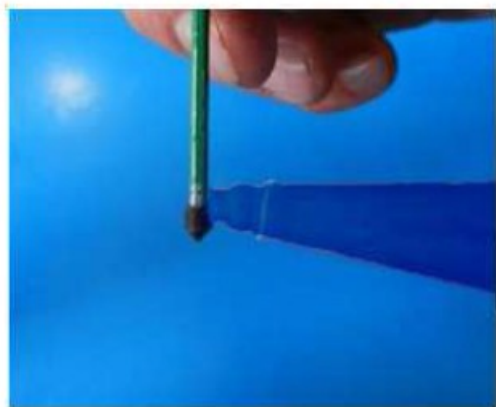
TIGHTEN the internal set screw to secure the cable using 1.5mm hex wrench. (0,9Nm)

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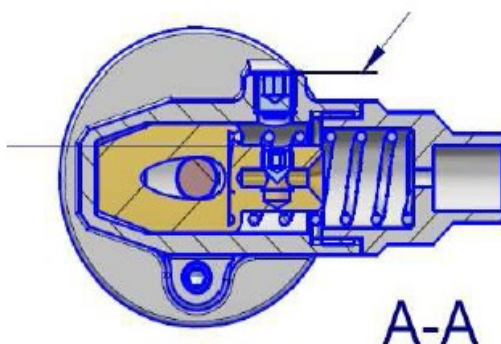


FIGURE 28:



ADD a small amount of medium Loctite to the external set screw threads.

FIGURE 29:



TIGHTEN the external set screw using the 2mm hex wrench. **ATTENTION:** Do not over tighten the external set screw.

(this is only a cap to protect from dirty.

You have only to place the grub in position with the plane as you can see in the picture and the loctite will prevent the unscrewing.

If you move the grub over the plane you can interfere with the internal spring)

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FIGURE 30:



ADJUST the position of the lockout remote so the cable housing is not damaged or restricted by the function of the fork or handlebar.

FIGURE 31:



NOTE: The remote lockout has been designed so that the cable housing is routed behind the fork crown as shown.

ATTENTION: If you want to route the housing around the front of the fork you will need to be sure that it is fixed close to the crown to avoid damage when the fork is compressed.

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BRAKES SUSPENSION WHEELS



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