



THIS BRIEF USER MANUAL CONTAINS IMPORTANT INFORMATION. PLEASE READ CAREFULLY AND STORE IN A SAFE PLACE.

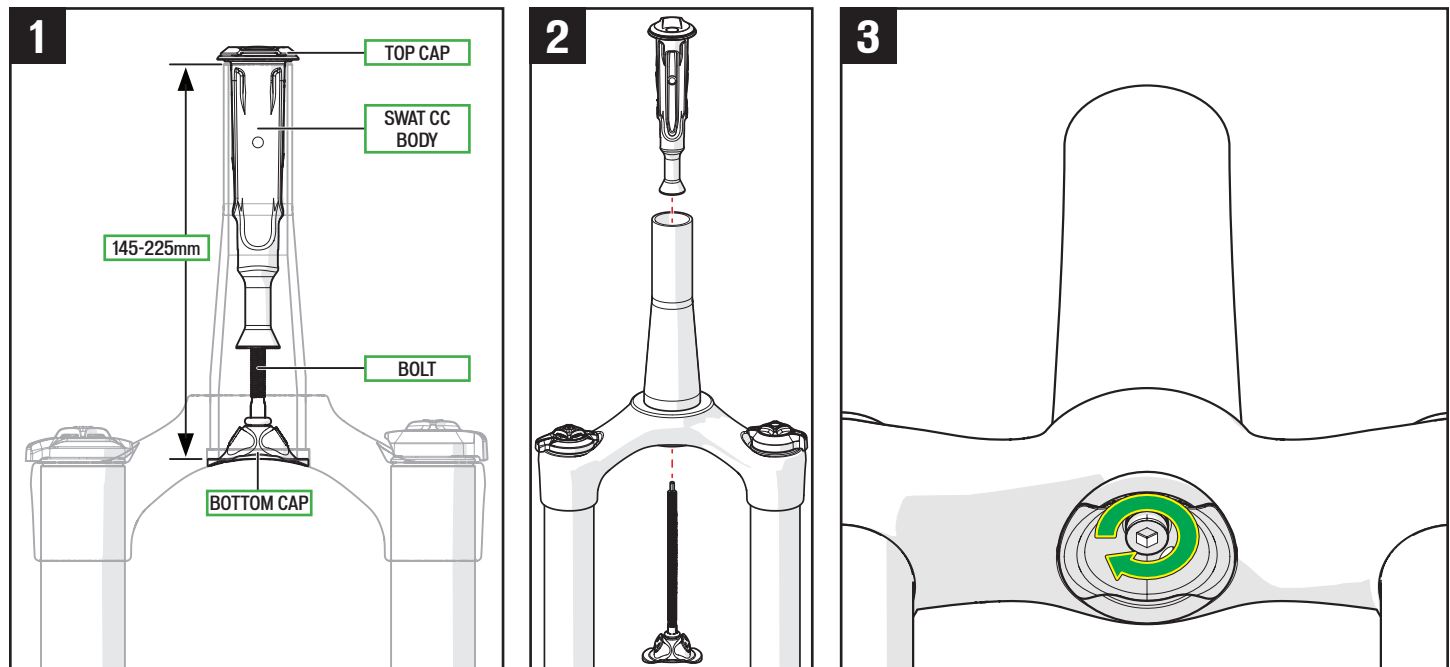
This user manual is specific to your Specialized SWAT CC (Conceal Carry) steerer tube tool (models equipped with or without a chain tool). It contains important safety, performance and technical information, which you should read before your first ride and keep for reference. You should also read the entire Specialized Bicycle Owner's Manual ("Owner's Manual"), because it has additional important general information and instructions which you should follow. If you do not have a copy of the Owner's Manual, you can download it at no cost at www.specialized.com, or obtain it from your nearest Authorized Specialized Retailer or Specialized Rider Care.

Additional safety, performance and service information for specific components such as seatpost or pedals on your bicycle, or for accessories such as helmets or lights, may also be available. Make sure that your Authorized Specialized Retailer has given you all the manufacturers' literature that was included with your bicycle or accessories. If there is a difference between the instructions in this manual and the information provided by the component manufacturer, please refer to your Authorized Specialized Retailer.

When reading this user manual, you will note various important symbols and warnings, which are explained below:

	<p>WARNING! The combination of this symbol and word indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death. Many of the Warnings say "you may lose control and fall." Because any fall can result in serious injury or even death, we do not always repeat the warning of possible injury or death.</p>		<p>TORQUE: This symbol highlights the correct torque value for a specific bolt. In order to achieve the specified torque value, a quality torque wrench must be used.</p>
	<p>CAUTION: The combination of the safety alert symbol and the word CAUTION indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury, or is an alert against unsafe practices.</p> <p>The word CAUTION used without the safety alert symbol indicates a situation which, if not avoided, could result in serious damage to the bicycle or the voiding of your warranty.</p>		<p>TECH TIP: Tech Tips are useful tips and tricks regarding installation and use.</p>

GENERAL NOTES ABOUT ASSEMBLY



- **Fig.1:** The SWAT CC tool only fits on steerer tubes which are tapered 1.5" to 11/8" and have a large hole on the bottom. The steerer tube length has to be between 145mm and 225mm from the top of the steerer tube to the surface of the hole the bottom cap will contact. Five bolt lengths are available to adjust for steerer tube length (refer to the table on P.2).
- If the fork has or had a conventional star nut installed in the steerer tube, it must be removed and the inner surface of the steerer tube must be honed to ensure there are no burrs that can interfere with the ability to fit the SWAT CC body in the steerer tube and remove it for use.
- **Fig.6:** The bottom cap houses a spare quick-link.
- **Fig.3:** The SWAT CC replaces the top cap and star nut, and is used to adjust the headset compression with the bolt on the underside of the steerer tube.

For maximum tire clearance, the bottom cap tabs should align side-to-side, not front-to-back (fig.3).

- The bolt threads come pretreated with Ti-Prep anti seize compound. Reapply as necessary.
- **Fig.4:** The top cap rotates to expose the EMT tool. The top cap can be adjusted to fine-tune the rotational feel when exposing the tool. To adjust, loosen the side bolt (A) and adjust the bolt from below (B). When the bolt (B) is being adjusted, stop tightening the moment resistance ramps up. Test the cap's feel when rotating. Once the feel is good (moves easily with no loose wiggle), tighten the side bolt to lock the adjuster bolt in place.

Viewed from below (hex key view fig 4, bolt B), the bolt must be turned counter-clockwise to tighten (opposite from a regular bolt).

CAUTION: Proper and secure installation and adjustment of the SWAT CC is important to the integrity of the components. Improper installation and adjustment of the SWAT CC tool can result in a loose headset, which can result in damage to the frame and components.

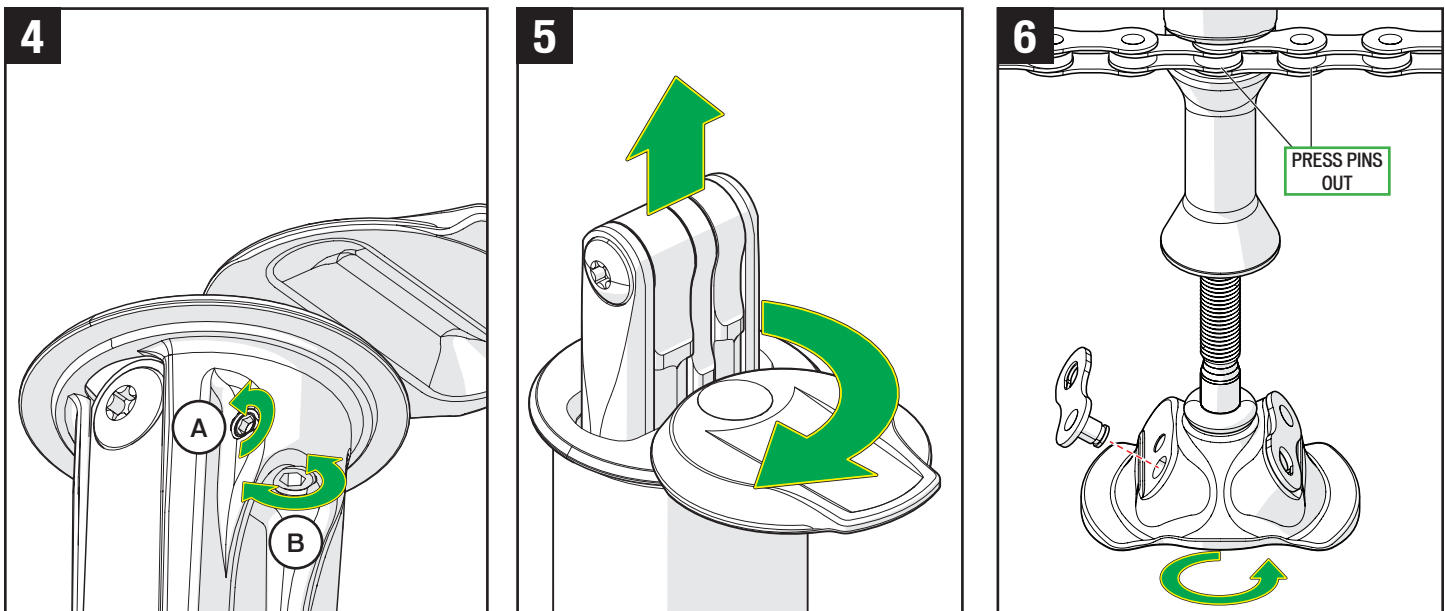
INSTALLING THE SWAT CC

- Make sure your bolt is the correct length for your particular steerer tube length (see chart below).
- Place the SWAT CC body in the top of the steerer tube. Certain stems can interfere with the rotation of the top cap to expose the tool. Orient the top cap so it can rotate 180 degrees without contacting the stem.
- Place the bolt in the lower cap and place the supplied o-ring on the bolt to keep the bolt from falling out.
- Place the bolt and cap assembly through the underside of the steerer tube, then thread the bolt into the underside of the SWAT CC body.
- Once the bolt is threaded all the way in, make sure the bottom cap is evenly positioned against the lip of the underside of the steerer tube.
- With the stem loose enough to rotate, adjust the headset compression similar to a regular headset, except the bolt is accessed from under the fork crown. Adjust the headset compression until there's no back and forth movement and the headset rotates smoothly.
- Once the headset is properly adjusted, align the stem and torque the bolts according to the stem manufacturer's instructions.
- Make sure the bolt is tightened enough to prevent it from loosening.

STEERER TUBE LENGTH	PART #	DESCRIPTION
145-160mm*	S185300018	TOL MY18 SWAT CC ANCHOR BOLT / CHAIN PIN DRIVER, 55MM
165-180mm	S185300019	TOL MY18 SWAT CC ANCHOR BOLT / CHAIN PIN DRIVER, 75MM
180-195mm	S185300020	TOL MY18 SWAT CC ANCHOR BOLT / CHAIN PIN DRIVER, 90MM
195-210mm	S185300016	TOL MY18 SWAT CC ANCHOR BOLT / CHAIN PIN DRIVER, 105MM
210-225mm	S185300017	TOL MY18 SWAT CC ANCHOR BOLT / CHAIN PIN DRIVER, 120MM

* Ohlins 1-piece crown/steerer tube forks only

USING THE TOOLS



MULTI-TOOL

- The multi-tool is accessed by rotating the top cap out of the way (fig.5). The tool is spring-loaded to pop up out of the multi-tool holder.

Make sure the SWAT CC body and the multi-tool are free of dirt and debris before installing the multi-tool. Dirt can prevent smooth entry and exit of the tool.

CHAIN TOOL (SWAT CC models equipped with a chain tool)

For SWAT CC models equipped with a chain tool, the chain tool is designed to remove a pin when a chain is broken, and to remove the other pin on the affected outer link, so it can be replaced with a quick-link. This tool is not intended for pressing in permanent pins.

- The chain tool is accessed by removing the multi-tool (fig.5) and using it to loosen the bolt on the underside of the fork (fig.3).
- Once the chain tool is removed from the steerer tube, reinstall and thread the bolt into the underside of the tool until the tip protrudes slightly at the chain tool opening.
- Position the chain in the groove and align the rivet to be pressed out (fig.6). Chain alignment is critical to chain repair. The pin must be aligned correctly, and must be monitored as the pin is pressed out. Improper alignment of the tool over the pin can cause the tool to bind, which can prevent proper reassembly of the chain and cause hand discomfort.
- Once the two pins are pressed out and the affected outer link is removed, the link can be replaced with the quick-link stored in the bottom cap (fig.6).
- To re-install the tool, replace the SWAT CC body in the top of the steerer tube and thread the bolt assembly back into the tool. Make sure the bolt is tightened in the SWAT CC body enough to prevent it from loosening and falling out.

WARRANTY

Warranty information is available from your Authorized Specialized Retailer. It is also available for download at www.specialized.com.

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Please note all instructions and notices are subject to change and updates without notice.
 Please visit www.specialized.com for periodic tech updates.
 Feedback: techdocs@specialized.com