

RACE TECH FORK SPRING PRELOAD

INTERNAL TOP-OUT SPRING OPEN CARTRIDGE

<IPM FK Preload INTTopout.doc> © 5-12-22

1
STEP



View all instructions for your model.
Scan QR Code or go to racetech.com

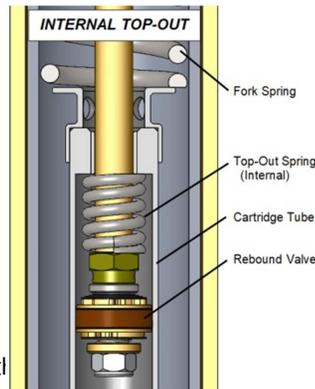
These instructions are for Internal Top-Out Spring Forks. If you have a conventional (right-side-up) cartridge fork check if it is Internal or External Top-Out. See Instructions Search.

These instructions use a Right-Side-Up fork. It is the same for Upside-Down.

2
STEP

1. Back out damping and preload adjusters on the fork cap all the way.
2. Remove the fork cap and spring.
3. Insert the new spring and bottom the fork tube fully.

Measure from the top of the Fork Tube to the top of the Spring.
This is the **Free Length Reference**.



4. Install the cap fully onto the rod.

Measure from the top of the Fork Tube to the top of the Spring.
This is the **Set Length Reference**.

The difference between the two measurements is the

The Free Length minus the Set Length is the Preload.

5. Set the Preload

See the Product Search or your DVS Setup Sheet for Preload recommendations.

Adjust the preload by adding or subtracting washers or adjusting the Preload Spacer Length.

RT Springs are usually different length than stock. In most cases you will need to make custom spacers from tubing provided. Longer spacers often can be made with Schedule 40 PVC.

The spring should always rest on a steel or plastic washer. It should NEVER rest on the aluminum fork cap. Be sure to take washer thickness into consideration.

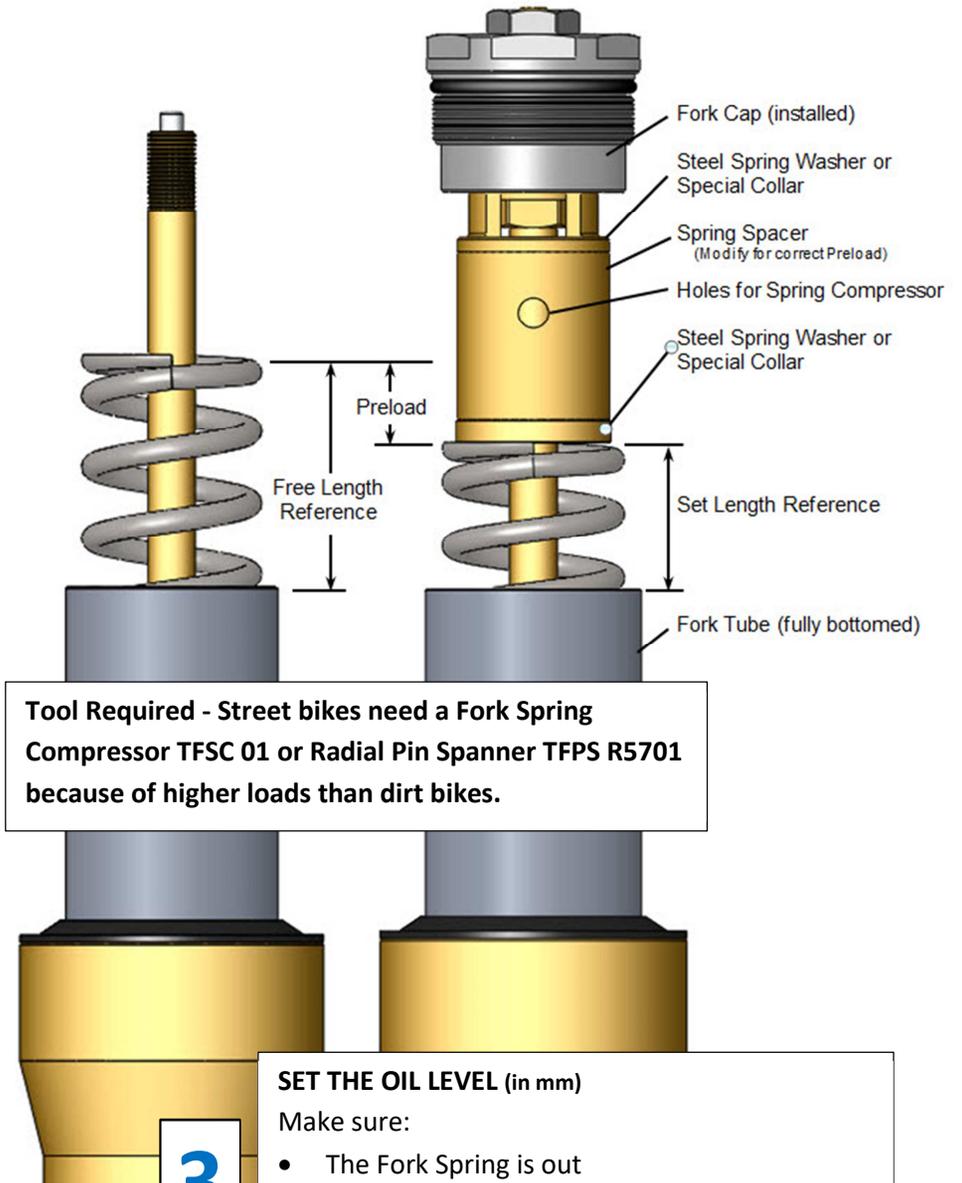
On many Open-chamber forks washers are added at the bottom of the spring.

The Preload Washers must be centered. They cannot be allowed to shift sideways on an Upside-down fork or they may damage the fork tube.

6. Set the Oil Level.

7. Tighten the jam nut to the fork cap on the damping rod. Install the fork cap. Set the adjusters.

INTERNAL TOP-OUT CARTRIDGE



3
STEP

SET THE OIL LEVEL (in mm)

Make sure:

- The Fork Spring is out
- The Emulator is in, completely submerged
- The fork is fully bled by pumping it slowly
- The fork and cartridge are fully bottomed
- Measure from the top of the fork tube down to the top of the oil