

CAKE Osa Flex – Upgrading the Triple Clamp Lower Assembly – SOP V2

This document outlines the process that must be followed when replacing the triple clamp lower assembly of a CAKE Osa Flex. It is important to follow this instructional closely, paying careful attention to the details of each step.

It is imperative that the correct tools/bits are used for each piece step. During re-assembly, many bolts have a specific torque spec and should have Loctite 243/242 applied during install. This is noted within each step below.

If at any point during the process you are unsure of something, please stop and reach out to service@ridecake.com for prompt assistance.

Supplies Required:

- Loctite 243 or 242
- Microfiber Cloth (at least 3)
- Bike stand, or suitable platform at least 12" tall (A scissor jack is optimal, but not required.)
- Short strap or bungee.

Tools Required:

- 5mm Allen Wrench
- 8mm Allen Wrench
- 10mm Allen Wrench
- Torx T30 Driver/Key

Step 1: Get the bike on a bike stand. With the bike stand staged next to the bike, lift the rear of the bike onto the bike stand and rest the undertray of the bike on the stand. We will want the rear wheel of the bike resting on the ground so the front wheel is at least 6in in the air. This can be made easier with two people.



Step 2: Using a 5mm Allen Wrench, remove the 2 brake cable guides.



Step 3: Using a Torx T30 Driver/Key, remove the 2 securing bolts for the front turn signal assembly.



Step 4: Using a 5mm Allen Wrench, remove the 6 securing pinch bolts on the forks. With these bolts removed, the forks will slide down and out. Have a second person carefully hold the forks. We do not want to strain the brake line too much (the brake line/hose will remain attached), and we do not want to scratch the frame of the bike. Keep the 6 securing bolts as they will be used on the new assembly.



Step 5: Slide the large cable harness out from underneath the upper fork assembly.



Step 6: Using a 5mm Allen Wrench, loosen the 2 pinch bolts on the stem. You do not need to remove them completely, just loose.



Step 7: Using a 5mm Allen Wrench, remove the bolt located in the front of the stem.



Step 8: Remove the stem and handlebars temporarily. Sub-steps below.

Step 8A: Using an 8mm Allen Wrench, remove the top steering bolt completely. **Caution:** With this bolt removed, the steering column assembly will be free to slide down and out.



Step 8B: Slide the handlebars up and off the steering tube. Have a 2nd person help and hold the handlebars.



Step 8C: While the 2nd person holds the handlebars, slide the original steering column out and the new one in. Take note of the upper bearing, o-ring, and top spacer. They should remain in place.



Step 9: Slide the handlebars back onto the steer tube. Using an 8mm Allen Wrench, re-install the top steering bolt. Hand tighten only for now. This bolt will hold the assembly together while we re-install the remaining pieces.



Step 10: Using a Torx T30 Driver/Key, re-install the 2 securing bolts for the front turn signal assembly. Apply a drop of Loctite 243 to the bolt threads and tighten to roughly 10Nm.



Step 11: Slide the large cable harness back underneath the upper fork assembly.

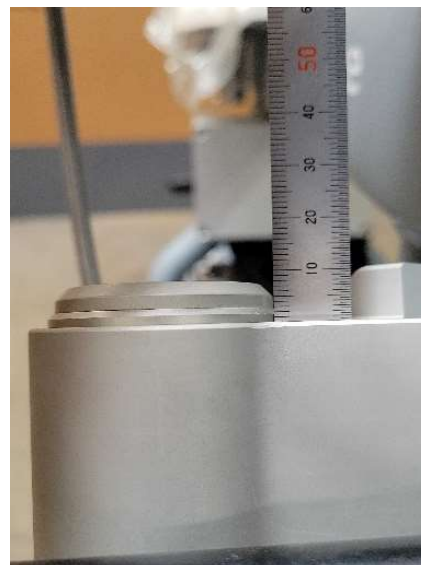


Step 12: Reinstall the forks into the assembly. Sub-steps below.

Step 12A: Apply a drop of Loctite 243 to the 6 securing pinch bolts for the upper fork assembly. Using a 5mm Allen Wrench, re-insert the 6 securing pinch bolts on the forks. Do not tighten yet, just get them into place.



Step 12B: Slide the forks back up into the fork assembly. Make sure that the brake lines are routed behind the fork assembly first. Slide the forks up until the top sits above the assembly just 7-10mm. Rotate the fork so the reflector is facing outward.



Step 12C: With the forks in place, using a 5mm Allen Wrench, tighten the 6 securing pinch bolts to roughly 10Nm each. Tighten them simultaneously (tighten each just a ½ turn at a time) until each is roughly tightened to 10Nm.



Step 13: Using a 5mm Allen Wrench, re-install the 2 brake cable guides. Ensure that the brake hose is routed through the guide. Apply a drop of Loctite 243 to the bolt threads and tighten to roughly 10Nm.



Step 14: Align the handlebars straight with the front wheel. Using a 5mm Allen Wrench, re-install the bolt located in the front of the stem. Tighten to roughly 10Nm.



Step 15: Make sure the front wheel and the handlebar are perfectly aligned. When the handlebar is straight, use an 8mm Allen Wrench and tighten the top steering bolt to roughly 15Nm. Then, using a 5mm Allen Wrench, tighten the two pinch bolts to roughly 10Nm. Lastly, release the pressure from the top steering bolt and then tighten it again to roughly 10Nm. **Helpful video found [HERE](#) – watching is recommended.**



Step 16: Remove the bike from the bike stand.

Complete!

Upon Completion, perform the below checks:

Check 1: Grab the front hand brake (right side) and rock the bike forward and backward. There should be no play or knocking of the front fork or headset bearing group when this is performed.

Check 2: Compress the front fork a few times. The forks should remain securely in place in the upper fork assembly.

Potentially helpful blow-out graphics:

