

Headset Top Cap Installation Guide

Pack Contents:

- 1x CNC Machined 6061-T6 Aluminium Cap
- 1x M6 Countersunk Headset Bolt

1. Pre-Installation Check:

- Ensure your existing headset and stem are in good condition. Worn parts or bearings may need to be replaced before fitting your new Lightweight Ahead Stem Cap.
- Ensure that you have the correct tools: Hex keys, torque wrench and lithium grease.
- Ensure your bike is securely held in a work stand or is on a stable surface.

2. Original Top Cap Removal:

- Use a hex key of the appropriate size to loosen the original headset top cap bolt, ensuring that the hex key is securely inserted into the bolt recess before attempting to remove it.
- If the cap cannot be removed easily, undo the stem steerer bolts to release any lip that may be on the underside of the cap that may be preventing removal.
- Completely remove the original headset top cap.

3. JRC Lightweight Ahead Stem Cap Installation:

- Grease the threads of the new M6 countersunk bolt, pass it through the corresponding hole in the top cap.
- Thread it into the star nut or expander plug finger tight until the top cap is touching (but not forced against) the top of the stem clamp.
- Undo the stem steerer bolts until the stem is just able to rotate left or right on the stationary steerer.

4. Lightweight Ahead Stem Top Cap tightening and final headset adjustment:

- For top cap tightening there is no specified torque setting for the top cap bolt but the headset is considered adjusted correctly when you have achieved '**free rotation without play**'. That is, free rotation left to right without any discernible headset play when the *front* brake is pulled and the bike is rocked back and forth with the brake held on.
- If headset play is detected, stem bolts must be undone and the top cap bolt adjusted until play is no longer felt but free rotation is maintained.
- Align stem with front wheel and tighten the stem steerer clamp bolts to the stem manufacturer's recommended torque ensuring you have achieved 'free rotation without play' and the headset is correctly adjusted.

5. Pre-Ride Check:

- Ensure the top cap bolt, cap and stem are fully secure and the headset is adjusted as described above before test riding the bike.
- If you encounter any difficulties during fitting, or are unsure about any step, it is recommended that you consult a suitably certified bike mechanic for assistance.