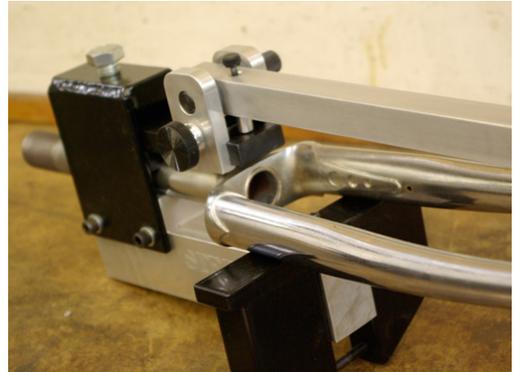


This tool is designed to be used to check the alignment of bicycle forks and to securely hold the fork steady when adjustments to the alignment are needed.

INSTALLING THE FORK

1. Fully loosen both bolts on the triangular crown aligner.
2. Securely clamp the main aluminum bar of the jig into a bench vise just below the black clamping plates.
3. Position the crown aligner on the main bar near the end so that the triangle points down.
4. Liberally loosen the 19 mm clamping bolt on top of the clamp and install the fork into the v-blocks of the clamp with the raked side to the top.
5. Secure the 19 mm bolt until the fork will just twist in the clamp but no play (slop) can be felt.
6. Slide the crown aligner until it is just below the fork crown or widest part of the fork by tightening the center bolt of the crown aligner. It should just be touching the fork or fork crown.
7. Tighten the lower bolt of the crown aligner to secure it to the main bar.
8. Secure the 19 mm bolt on top of the clamp so that the fork will not move in the jig.



ALIGNING THE FORK BLADES AND THE DROPOUTS

9. Position the knurled cylinders of the J-tools (dropout alignment tools) so that the inward ends of the knurled cylinders align with the "Front/R120" calibration lines. Do not use the "No gauge" set of calibrations.
10. Install the J-tools fully and securely into the dropouts with the 10 MM thick spacer outside the dropouts.
11. Attach the gauge bar and the adjusting clamp to the black bar projecting from above the fork clamping blocks. The large knob is used to secure the position along the bar and the small knob is used to adjust the vertical position. Use these adjustments to align the 19 mm long target tube at the other end of the target arm between the faces of the J-tools.
12. Apply leverage to the J-tools until the faces of the knurled cylinders are parallel to the faces of the target tube.
13. If either knurled cylinder is higher or lower than the target tube, bend the fork blade up or down until the correct alignment is achieved.
14. Bend each blade in or out until a 1 mm clearance exists between the inside face of each knurled cylinder and the face of the target tube. When a 1 mm clearance exists, the dropouts are equally spaced from the center axis of the fork.



The Target arm may be reversed when using the 40 mm diameter adapters for the dropout alignment tools to obtain greater precision. The 40 mm diameter target is bolted to the end of the target arm in place of the 22 mm target.

DESIGNED AND MANUFACTURED BY:

J. A. Stein Company | Prescott, AZ USA
jim@jastein.com | steintool.com

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