



PROTAPER STEM INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS

In order to ensure proper performance of your Answer components, we highly suggest you have them installed and serviced by a professional bicycle dealer. Improper assembly and/or adjustment can significantly compromise the strength and lifespan of your components. If you choose to install your components yourself, be sure to follow the following installation instructions carefully and completely.

- 1** Carefully examine the bars and steerer tube for any nicks or gouges as these can create stress risers and severely limit the lifespan of the product. Be sure there are no sharp edges where they would contact the stem clamp surfaces.
- 2** Clean all stem mating surfaces and mating parts with Isopropyl alcohol before installation.
- 3** Install headset and fork according to the component manufacturer's instructions.
- 4** Place stem and headset spacers on steerer tube. If the fork's steerer tube needs to be cut, please use to the following guidelines:

GUIDELINES FOR STEERER TUBE LENGTH	
Standard Steerer Tube	Top of steerer tube should be 4mm below the top of the stem.
Carbon Steerer Tube	Top of steerer tube should be flush with the top of the stem.
Dual Crown Fork	Allow 5mm of steerer tube to extend above the stem.

Important: Be sure to take into account the full stack height of the stem, spacers, and headset before cutting the steerer tube. Measure twice – cut once!

- 5** Cut steerer tube to length. Remove any burrs from steerer tube.
- 6** Install star nut.
- 7** Re-install headset spacers and stem and tighten the top cap bolt to the headset recommendations.
- 8** Tighten the direct mount bolts or steerer clamp bolts in alternating, one turn increments. Tighten direct mount stem bolts to 80-89 in lb (9.0-10.2 N m). Tighten steerer clamp bolts to 140-150 in lb. (15.8-16.9 N m).
Caution: do not over tighten bolts. The result could damage the steerer tube, handlebar, and stem causing premature failure and possible injury. Caution: Do not apply grease, oil, or lubricant to the threads of the clamp bolts.
- 9** Install and position handlebar to desired settings. Line up the centering marks on the handlebar with the clamping area of the stem.
Caution: do not twist the bar back and forth to move it through the handlebar clamp. This will gouge and scratch the bar and can significantly weaken the component.
- 10** Install the face plate. Tighten the top two face plate bolts to a hard stop then the torque lower two bolts to 60-70 in-lb. (6.8-7.9 N m).
Caution: Do not over tighten bolts. The result could damage the steerer tube, handlebar, and stem causing premature failure and possible injury. Caution: Do not apply grease, oil, or lubricant to the threads of the clamp bolts.
- 11** Slide the brake levers and shifters on to the handlebar. Tighten the clamps to the manufacturer's recommended torque values.
Caution: Do NOT slide brake and shift levers over the bend and/or taper of the handlebar's midsection as this can shorten the life of the handlebar. Caution: ONLY clamp the shifters and levers on the 22.2mm section of the handlebar.
- 12** Install the grips and bar end plugs to finish the installation.

TORQUE TABLE		
Item	Torque (in lb)	Torque (N m)
Direct Mount Stem Bolts	80-90	9.0-10.2
MTB Steerer Clamp Bolts	140-150	15.8-16.9
MTB Face Plate Bolts	60-70	6.8-7.9
ATAC Steerer Clamp Bolts	53.01	6
ATAC Face Plate Bolts	44.25	5

WARNING: As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear, impact or stress fatigue in different ways. If the design life of the component has been exceeded, it may suddenly fail, possibly causing injuries or death to the rider. Any

WARRANTY

For full warranty information please visit hayesbicycle.com/warranty