Answer Stem Installation Instructions



NOTICE:
For proper performance of your component(s), Hayes recommends that they be installed and serviced by a professional bicycle dealer. Improper assembly and/or adjustment may significantly compromise the strength and/or life span of your components. If you choose to install your components yourself, be sure to follow the following installation instructions carefully and completely.

INSTALLATION INSTRUCTIONS:

1. Examine the bars and steerer tube for any nicks or gouges.
2. Clean all stem mating surfaces and 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. Mark stack height and remove the stem and headset spacers.
5. Cut steerer tube to length. If the fork's steerer tube needs to be cut, it is recommended that the fork owner's manual is consulted in case there are any special cutting requirements. The following general guidelines have been provided for your reference. Be sure to take into account the full stack height of the stem, spacers, and headset before cutting the steerer tube.

GENERAL 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.

6. Remove any burrs from steerer tube. Install star nut.
7. Re-install the fork, 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 to the values specified in the Torque Table below.
9. Install and position handlebar to desired settings. Line up the centering marks on the handlebar with the clamping area of the stem.
10. Install the face plate. Tighten the face plate bolts in an alternating 4-bolt rotation one turn increments to the values specified in the Torque Table below.
11. Slide the brake levers and shifters on to the handlebar. Tighten the clamps to the manufacturer's recommended torque values.
12. Install the grips and bar end plugs to finish the installation.

CAUTION:

- Do not over tighten bolts
- Do not apply grease, oil, or lubricant to the threads of the clamp bolts
- Do not twist the bar back and forth to move it through the handlebar clamp
- Do not slide brake and shift levers over the bend and/or taper of the handlebar's midsection
- Only clamp the shifters and levers on the 22.2mm section of the handlebar

TORQUE TABLE		
Item	**Torque (in-lb)**	**Torque (N-m)**
Direct Mount Stem Bolts	80-90	9.0-10.2
Steerer Clamp Bolts – DJ Stem	140-150	15.8-16.9
Steerer Clamp Bolts – AM Stem	70-80	7.9-9
Steerer Clamp Bolts – XC Stem	50-60	5.6-6.8
Face Plate Bolts	60-70	6.8-7.9

WARNING:
As with all mechanical components, all HAYES components are subjected to wear and high stresses. Different materials and components may react to wear, impact, and/or stress fatigue in different ways. Any form of cracking, scratches or change of coloring in a highly stressed area indicates that the life of the component has been reached and should be replaced. If the design life of the component has been exceeded, it may suddenly fail, possibly causing injuries or death to the rider.

WARRANTY INFORMATION:
HAYES warrants its products to be free from defects in materials or workmanship under normal intended use for a period of one year (two years in European Union countries) from the date of purchase, subject to normal wear and tear. Unless otherwise prohibited by law, any such defective products will be repaired or replaced at the option of HAYES when received with proof of purchase, freight prepaid. This warranty does not cover breakage, bending, or damage that may result from crashes or falls. This warranty does not cover any defects or damage caused by alterations or modifications of HAYES products or by normal wear, accidents, improper maintenance, damages caused by the use of HAYES products with parts of different manufacturers, improper use or abuse of the product, application or uses other than those set forth in the HAYES instruction manual or failure to follow the instructions contained in the applicable HAYES instruction manual. Instruction manuals can be found on-line at **www.hayescomponents.com**. Any modifications made by the BUYER or any subsequent user will render the warranty null and void. This warranty does not apply when the serial number or production code has been deliberately altered, defaced or removed from the product. The cost of normal maintenance or replacement of service items, which are not defective, shall be the BUYER's responsibility. If permitted by local law, this warranty is expressly in lieu of all other warranties (except as to title), express or implied, and in particular and without limitation HAYES disclaims the implied warranties of merchantability or fitness for purpose. If for any reason warranty work is necessary, return the component to the place of purchase or contact your dealer or local HAYES distributor. In the USA, contact HAYES for a return authorization number (RA#) at (888) 686-3472. At that time, instructions for repair, return, or replacement shall be given. Customers in countries other than the USA should contact their dealer or local HAYES distributor.

Limitation of Liability:
Unless required by mandatory law, HAYES shall not be liable for any incidental, indirect, special or consequential damages.

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