



Installation Instructions for Hawg Halters, Inc.
23" Wheel FL Model Triple Trees

THIS PRODUCT IS DESIGNED FOR USE WITH THE INSTALLATION OF A 23" SIZE WHEEL OR LARGER ON A FL MODEL STOCK FRAME!

NOTE: PLEASE READ INSTRUCTIONS FULLY BEFORE STARTING INSTALLATION AS VARIOUS MODELS REQUIRE SPECIFIC COMPONENTS.

WARNING – FRONT END PERFORMANCE IS A CRITICAL SAFETY ITEM. TRIPLE TREES SHOULD BE INSTALLED BY A QUALIFIED SERVICE TECHNICIAN ONLY!!!!

- 1. Make sure the motorcycle is properly secured when raised. Remember to balance it properly as you will be removing the complete front end.**
- 2. Remove the front wheel assembly, brakes and fender.**
- 3. Remove the fairing as necessary on batwing models, nacelle on Road King models and front and rear fork covers on Road Glide models. Remove the fork tube assemblies and then remove both the upper and lower triple trees. Finally disassemble the handlebars from the top triple tree.**
- 4. It is recommended the fork oil be drained at this time in preparation for the install of the internal fork travel limiters, item #13. Refer to your service manual for proper method of fork disassembly. The lower sliders need only be removed to install the travel limiters.**
- 5. After reassembly, fill with fresh fork oil. We recommend a good quality 20W for added firmness and improved dampening.**
- 6. Replace the lower steering cup bearing race at this time if there are any signs of wear. Use the new lower neck bearing assembly supplied.**
- 7. Clean and repack the upper neck bearing with EP grease or replace if necessary. Apply anti-seize to the threads of item #9, the new neck stem item and at the base diameter where it fits in the lower triple tree.**

8. Insert the stock riser bushing top half in the riser bushing spacer item #10 and place in the top of the triple tree. Then insert the lower riser bushing half in the underside of item #1, upper triple tree. Complete the install of the handlebars.

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9. For 2009-later models it will be necessary to install the two supplied 3/8-16 x 1/2" SHCS in the upper tree. These act as the fork stops.
10. Slide the neck stem through the lower tree and place the dust shield and bearing over the stem. Install the assembly into the bottom of the frame neck.
11. Place the upper bearing and dust shield over the protruding neck stem and set the top tree in place and start threading the stem in by hand. **DO NOT FORCE THE THREADS.** (Cross threading is not covered by warranty). The stem is machined to accept a 3/8" ratchet drive.
12. Snug the stem and test for smooth movement of the tree assembly. Do not tighten at this time. Proper neck stem torque is accomplished when no endplay is noticeable. Refer to your service manual for adjusting proper end play and fall away. This will be done once the complete fork assembly and front wheel are installed.
13. Reinstall lower fork covers at this time using item #8 of the supplied hardware.
14. Next, apply blue loctite to the screw threads of item #7. Install the four bolts into the lower tree split clamp holes leaving the screws loose.
15. Check the fork tube bores for any sharp edges or burrs prior to installing the fork tubes. Position the fork tubes through the lower tree and into the upper tree. Secure the fork tubes into the upper tree per factory specs using the stock fork tube bolt and rubber washer.
16. Install fender, front wheel and brake caliper assembly. Relocate the front brake line tee mounting it to the bottom of the neck stem using the supplied 1/4-10 x 1 1/2" lg hex head bolt.
17. Adjust neck bearing end play by tightening neck stem item #9 such that no end play is evident in the triple tree and fork assembly. Do not over tighten, preventing free movement of the front end assembly. Forks should be free to fully turn stop to stop.
18. Install set screw item #5 into rear of lower triple tree and tighten against neck stem. Install lock nut on top of neck stem and torque to 20 ft-lbs. to lock steering stem in place. Secure fork tubes in lower triple tree by tightening all four screws equally to 25ft-lbs.
19. Reinstall factory covers, fairing and other remaining components.

All HAWG HALTERS, Inc. triple trees are guaranteed to be free from defects in material and workmanship for a period of one year from the date of purchase.

If you have any questions call:
TOLL FREE 1-877-HHALTER (442-5837)