



Installation Instructions for Hawg Halters, Inc.
41mm FL Touring Model Triple Trees

THIS PRODUCT IS DESIGNED FOR USE ONLY WITH TRIKE CONVERSIONS OR WITH HHI NECK RAKE BUILDERS KIT!

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!!!!

SEE REFERENCE DRAWING # 45-100

- 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 brake calipers, wheel assembly and fender.**
- 3. Remove the fairing, handlebars, front and/or rear fork covers, fork tube assemblies and mounting hardware as these will be reused. Finish removing the remaining triple tree assembly.**
- 4. Replace the lower steering cup bearing race at this time IF there are any signs of wear. Clean and repack the upper neck bearing with EP grease or replace if necessary.**
- 5. Install the two supplied riser bushing spacers item #9 and upper riser bushings item #12 in the top side of the upper triple tree, item #1. Install the lower riser bushings in the bottom side of the triple tree. Install handlebar risers using supplied hardware, item #13. Apply blue Loctite and torque mounting hardware to factory specs.**

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6. For 2009-later trike models and all HHI neck rake applications it will be necessary to install the two supplied screws, item #18 in the upper tree which act as the fork stops on late model bikes. 2008-earlier trike models will retain the stock HD rubber stops.
7. Apply anti-seize to the threads of the neck stem, item #3 and at the base diameter where it fits in the lower triple tree, item #2.
8. Install the neck stem, item #3 in the lower triple tree item #2 along with the new dust seal and neck bearing supplied, items #19 & #20. Install this assembly into the bottom of the frame neck.
9. Place the upper bearing and factory dust shield over the neck stem, position the top triple tree in place and start threading the stem into the upper tree by hand. **DO NOT FORCE THE THREADS.** (Cross threading is not covered by warranty). The base of the neck stem is machined to accept a 3/8" ratchet drive.
10. Hand tighten the neck stem and test for smooth movement of the tree assembly. Do not tighten at this time. Proper steering head adjustment will be done once the fork assembly is installed.
11. Remove the stock fork tube insert from each fork tube. Clamp the fork tube securely in a special tube clamp vise and use the special fork tube nut tool to remove the fork tube insert. If these tools are not available, clamp the wrench flats of the fork tube insert in a vise and turn the fork tube to disassemble. **CAUTION: TUBES ARE SLIGHTLY SPRING LOADED.**
12. It is recommended the fork oil be changed at this time and seals replaced if necessary. Refer to your Service manual for proper type and amount.
13. Install the HHI supplied dual threaded fork tube insert, item#4. Be sure to install the O-ring, item #6, on the large threaded side and pipe plug, item #7, on the opposite side. Use pipe dope or Teflon tape to seal the plug. Using the fork insert tool, place the fork tube insert over the spring and compress the spring into the fork tube until the threads meet. This can also be accomplished by clamping the fork tube insert in a vise using the fork tube to compress the spring. Thread the tube onto the insert and tighten the assembly by hand.
NOTE: 2002-05 models with cartridge dampener will require the installation of item #17 into item #4. All other models will omit this step.
14. For early style air suspension models a separate air fitting adapter kit is required.
15. Reinstall lower fork covers with the supplied hardware item #15 using blue Loctite.

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- 16. Check each fork tube hole for any sharp edges or burrs and completely remove before installing fork tubes. Apply anti-seize to the threaded end of the fork tube insert assembly. Install the tubes through the lower tree and thread into the upper tree and tighten BY HAND.**
- 17. Steering head bearings will now be set as follows. Tighten the neck stem to 30ft-lbs of torque. Apply blue Loctite to neck stem top nut, item #14, and torque to 80ft-lbs. Check triple tree assembly for full range of motion. No noticeable binding or resistance should be evident.**
- 18. Install set screw, item #5, in rear of lower triple tree and tighten by hand. Apply blue Loctite to the fork clamp hardware, item #8, and install in the lower triple tree clamp threaded holes. Torque these four screws uniformly to 25 ft-lbs.**
- 19. Install fender, front wheel and brake caliper assembly per factory procedure. Relocate the front brake line tee, mounting it to the bottom of the neck stem using the supplied ¼-20 x 1 ½" lg hex head bolt, item #16. Be sure to check clearance with fender on custom installations.**
- 20. Apply blue Loctite to items #10 & #11 and install with a torque value of 15 ft-lbs. Reinstall covers, fairing and other remaining components per factory specifications.**

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)**

**HAWG HALTERS, INC.
389 Lumpkin County Parkway
Dahlonega GA 30533
www.hawghalters.com**

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