

WARNING – FRONT END PERFORMANCE IS A CRITICAL SAFETY ITEM.

**TRIPLE TREES SHOULD BE INSTALLED BY A QUALIFIED SERVICE
TECHNICIAN ONLY!!!!**

**USE ONLY HARD CHROME PLATED FORK TUBES, SAME AS ORIGINAL. SHOW
CHROME PLATED TUBES ARE NOT RECOMMENDED.**

- 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. Completely remove existing front end. Refer to your service manual.**
- 3. If using an internal hidden fork stop provided by another manufacturer, review the installation instructions for your particular model.**
- 4. Remove the stock bearing cups now and install the new cups supplied with kit. Make sure the cup with the stop tab is placed in the lower position and to the rear at 6 o'clock when sitting on the bike.**
- 5. Replace steering cup bearing races at this time and use new tapered bearings.**
- 6. If using an internal hidden fork stop kit purchased separately, install the fork stop plate on the lower tree now with the screws provided in your kit using blue locktite. Your HHI trees are tapped for 8-32 thread size.**
- 7. If using an internal hidden fork stop, do not use the lower dust shield in the next step.**
- 8. Pack the bearings with EP grease. Slide the steering stem through the lower tree, slide the dust shield and bearing over the stem and insert in—to the bottom of the frame neck. If installing on a 2004-up Sportster be sure to use the supplied spacer between the neck bearing and both upper and lower trees.**
- 9. Place the upper bearing and dust shield over the protruding stem, set the top tree in place and start the stem into the threads 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. Use anti-seize on the threads.**
- 10. Snug the stem and test for smooth movement of the tree assembly. Proper bearing endplay is accomplished when no endplay is noticeable. Refer to your service manual. Also, a suggested method for checking this is to insert the fork assembly and front axle and attempt to move the front end checking for movement in the bearings. Follow the next procedure to assemble the fork tubes with the supplied hardware.**

- 11. Remove the stock fork tube plug from each tube by holding the fork tube upright securely in a vise using soft jaws and a clean rag to protect the finish. CAUTION: TUBES ARE SPRING LOADED.**
- 12. It is recommended the fork oil be changed at this time. Refer to your Service manual.**
- 13. After filling with new oil, install the supplied dual threaded insert. Be sure to install the o-ring on the large threaded side of the insert and the pipe plug on the opposite side. Use pipe dope or Teflon tape to seal the plug. Place the insert over the spring and compress the insert/spring into the fork tube until the threads meet. This is best accomplished by clamping the fork tube insert in a vise and using the fork tube to compress the spring. Thread the tube onto the insert and tighten the assembly by hand.**
- 14. Next, apply a small amount of anti-seize to the clamp bushing outside diameter. Apply blue loctite to the screw threads. Insert the 2-piece clamp bushing and screw assembly into the lower tree clamp hole leaving the screw loose. Align the gap in the clamp with the fork tube hole to allow the fork tube to pass through.**
- 15. Check the 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 assembly. Install the tubes through the lower tree and thread into the upper tree as tight as possible BY HAND.**
- 16. Secure tubes by tightening both clamp bushing screws to approximately 10ft-lbs.**
- 17. Check and adjust neck-bearing endplay and install set screw into rear of lower tree and tighten to lock steering stem in place.**
- 18. Check for clearance with gas tank when turning front forks fully.**
- 19. Reinstall front wheel and other components. If you have any questions contact sales@grcustoms.com**