



ROADSMITH
TRIKE CONVERSIONS BY
THE TRIKE SHOP



Please thoroughly review the instructions before and during installation. Keep in mind that this product was designed to be installed by trained dealer technicians. If you are a do-it-yourselfer, be patient, trust your common sense, and if necessary call your dealer or contact The Trike Shop at 800-331-0705 if you run into any problems you cannot solve.

APPLICATION: Harley-Davidson Sportster 2004 to present

PRODUCT: HDSS Steering Kit

VERSION: 1

GENERAL NOTES: Steering kit is shipped pre-assembled. Please note location of all parts

1. Cover or remove the fuel tank
2. Remove the brake caliper from the fork
 - a. Save the hardware
3. Remove any brake line clamps from triple-clamps
 - a. Save the clamps
 - b. Discard the bolts and screws
4. Remove the forks from the triple clamps
 - a. It's ok to leave the fender, wheel, and fork assembly intact
5. Remove the headlight – secure it off to the side
 - a. High mount headlight
 - i. Remove the headlight with the bracket assembly
 1. Save all hardware for re-assembly
 - b. Low mount headlight
 - i. Remove upper chrome cover from top triple clamp - save for re-assembly
 - ii. Remove the headlight and mounting block
 1. Save the hardware for re-assembly
6. Remove the two handlebar riser bolts - note position of all wire and cable bundles
7. Lay the handlebar and riser assembly over the frame (or covered fuel tank) and temporarily secure to prevent damage
 - a. Save all hardware
8. Remove the stock triple clamps
 - a. Save the bearings and seals for re-assembly
 - b. Save the top chrome stem cover and bolt with washer for re-assembly
9. Install lower bearing and seal onto 5-degree lower triple clamp
10. Place the upper bearing and seal into the upper bearing cup
11. Install the 5-degree lower triple clamp and stem assembly into the steering head

- a. Place the supplied 1/8" shim on top of the upper bearing seal
 - b. Install the 5-degree upper triple clamp
 - c. Install the stock stem bolt and washer but do not tighten
12. Replace the handlebar assembly using the original hardware
13. Replace the headlight assembly using the original hardware
 - a. On low mount applications, replace the chrome cover on the upper triple clamp using the original hardware
14. Install the fork assembly into the triple clamps
 - a. Ensure the fork tubes are fully seated in the upper triple clamp, then tighten the upper triple clamp fork pinch bolts (minimum 35ft lbs)
15. Tighten the steering stem bolt to 30ft lbs, then tighten the steering stem pinch bolt
 - a. Check for smooth operation or any interference
 - b. Install the stock chrome stem bolt cover
 - c. Tighten the lower triple clamp fork pinch bolts (minimum 35 ft lbs)
16. Replace the brake caliper
17. Replace the brake line clamps using the supplied hardware
 - a. 10-24 x 1/2" chrome buttonhead in upper triple clamp
 - b. 1/4" x 5/8" SHCS in the bottom of the steering stem
18. Double check all fasteners and connections
19. Test drive and ensure safe and smooth operation of trike