



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.

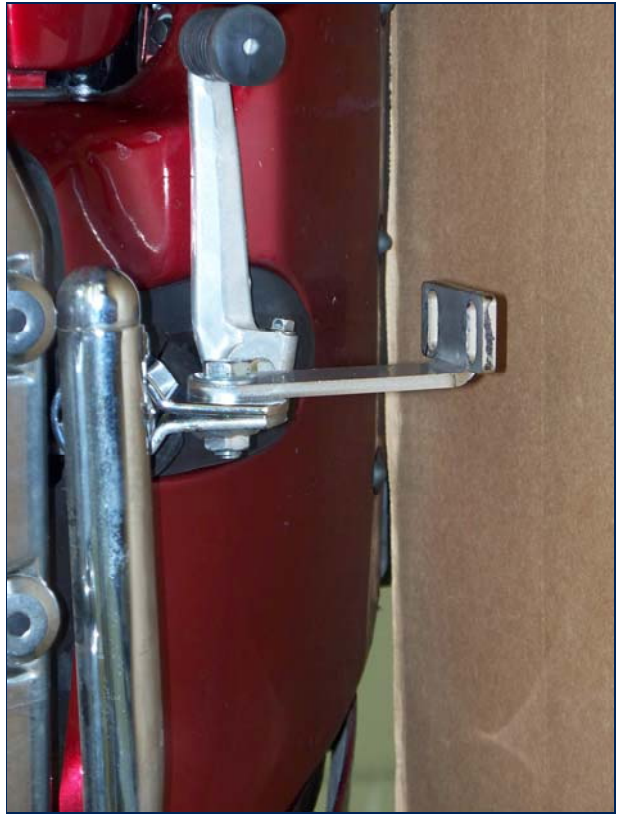
APPLICATION: HT1500 trike
PRODUCT: WingGuards
VERSION: 1 – for trikes with parking brakes
GENERAL NOTES:

1. Remove and discard the sidestand and centerstand
 - a. Lock the sidestand switch in the up position (zip tie)
2. Replace the parking brake lever
 - a. Discard the stock boot and hardware
 - b. Remove and replace the cable lock nuts, the pivot pin, and the lever
 - c. Re-adjust the cable - little or no drag on the right rear wheel with the lever in the down position, brake applied with the lever about half way through full stroke
3. Install the front upper mounting tube clamps and brackets as shown using 3/8" x 1" bolts and washers
 - a. See figures #1 & 2
 - b. Do not tighten them yet
4. Install the left and right lower mounting brackets as shown
 - a. See figures #3 & 4
 - b. Left side rear mounting bracket hardware: (2 ea) 5/16" x 1 1/4" bolts, washers & locknuts
 - c. Right side rear mounting bracket hardware: (4 ea) 1/4" x 3/4" bolts & locknuts
 - d. Clamp the upper and lower front mounting plates together (to align the slots) (figure #5)
 - e. Now tighten the front upper bracket to tube clamp bolts and the rear mounting bracket bolts
5. Install the parking brake boot as shown
 - a. Apply velcro tape to the boot flange (figure #6)
 - b. Stick the boot to the velcro (with the velcro boot closure facing to the outside) (figure #7)
 - c. Hold the flange/boot to the underside of the wing guard and drill the two mounting holes-(figure #8)
NOTE: position the front hole in the center and the rear hole about 1/2" outside of center
 - d. Install the boot using 1/4" x 1 1/4" chrome buttonhead bolts, chrome washers, and locknuts (figure #9)

6. Install the push on rubber trim on the edge of the wing guards where they meet with the trike body (figure #10)
7. Install the wing guards – (figure #11)
 - a. LEFT SIDE
 - i. Carefully slide the wing guard between the two front mounting plates and rest it on the lower mounting bracket
 - ii. insert two $\frac{1}{4}$ " x $1\frac{1}{4}$ " bolts with washers through the front mounting plates and the wing guard.
 - iii. Check the fit of the wing guard to the trike body. With the wing guard in the desired location, mark the wing guard front mounting points (about midway in the slots) remove the boards and drill through the marks with a $\frac{9}{32}$ " bit.
 - iv. Apply the front stick on overlays then drill through the overlay. This keeps dust and shavings from getting between the overlays and the board surface.
 - v. Replace the boards, check the fit, and install and tighten the front mounting bolts ($\frac{1}{4}$ " x $1\frac{1}{4}$ " bolts, washers and locknuts)
 - vi. Drill a $\frac{9}{32}$ " hole, STRAIGHT through the wing guard and the trike fender about 1" – $1\frac{1}{2}$ " from the top and rear edge of the wing guards. (figure #12)
 - vii. Install the $\frac{1}{4}$ " x $1\frac{3}{4}$ " chrome buttonheads, $\frac{1}{4}$ " chrome washers, and the rubber washers through the holes using enough $\frac{1}{4}$ " std washers between the wing guard and the fender to keep from crushing the rubber trim and/or cracking the wing guards
 - viii. Carefully drill up through the remaining mounting plate holes, then install and drill the overlays.
 - ix. Install and tighten the remaining hardware ($\frac{1}{4}$ " x $1\frac{1}{4}$ " chrome buttonhead bolts, chrome washers, small nylon washers & $\frac{1}{4}$ " locknuts)
 1. Install the small nylon washers between the chrome washers and the rear set of overlays (figure #13)
 - b. RIGHT SIDE
 - i. Repeat the procedure from the left side, just make sure that the parking brake lever makes it through the hole while sliding it between the front mounting plates
 - ii. Snap and close the Velcro strip on the parking brake boot



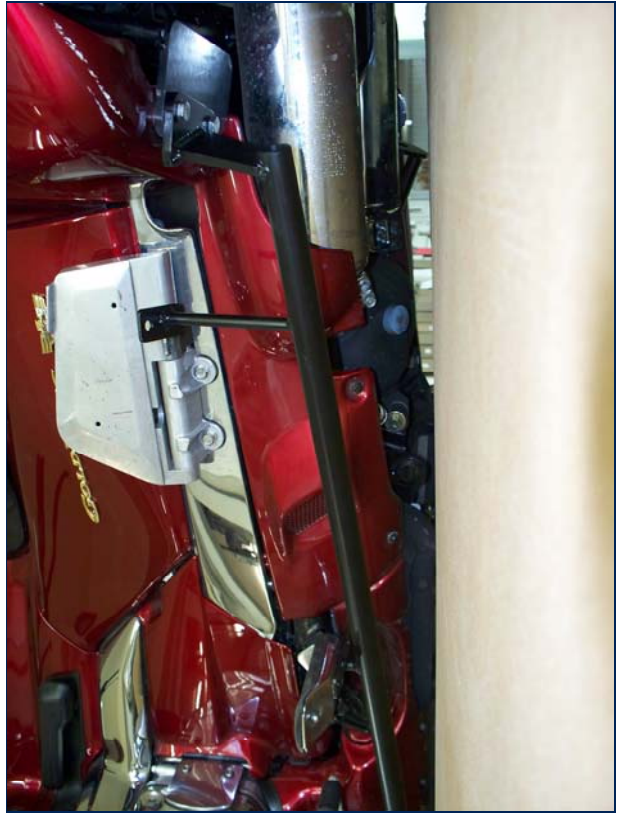
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