



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.

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APPLICATION: GL1800 trike  
PRODUCT: HT1800 5.5 degree Steering Kit  
VERSION: 1

GENERAL NOTES: The upper & lower stem bearings and races will be replaced during the installation (with provided tapered roller bearings)

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SAVE ALL HARDWARE UNLESS DIRECTED OTHERWISE

IT IS NOT NECESSARY TO REMOVE THE FAIRING FOR THIS PROCEDURE

ALWAYS PROTECT THE PAINT/CHROME WHEN PERFORMING THIS PROCEDURE

If the bike is not in trike form, place the bike on its center stand.

Raise the front wheel off the ground approximately 8" by placing a jack or other support on the fixed point under the engine.

#### CAUTION

Do not use the oil filter as a jack point

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Remove the front brake caliper covers and the front half of the fender

Remove all bolts holding the brake line set to the forks do not disconnect the brake lines from the calipers

Using a 4mm Allen wrench, remove the top half of the anti-dive valve from the front of the left fork tube. (figure #1)

Remove the brake caliper mounting bolts and secure the brake calipers to the crash bars or other suitable point

#### CAUTION

Support the removed caliper so that it does not hang from the brake hose. Do not twist the brake hose.

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#### NOTE

Do not depress the brake lever or pedal when the caliper is removed, or it will be difficult to refit the disc between the brake pads.

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Remove the speaker covers and the panel containing the LCD display (unplug the display to remove the panel)

Loosen upper triple-clamp pinch bolts.

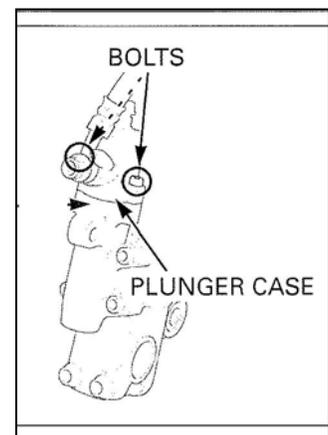
Loosen lower triple-clamp pinch bolts. Transfer all pinch bolts and cable guide to the new triple clamp

Slide the front tire and fork tubes out of the upper and lower triple-clamps. Roll the tire/fork tube assembly aside

Remove air dam from the lower triple clamp (discard the two Phillips head mounting screws, save the Allen screws)

Remove the brake line clamp assembly from the lower triple clamp

Remove upper triple clamp cover.



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Remove the cable/hose guide clamp from the upper triple clamp

Remove the handlebar mounting bolts and rest the handlebars on the fairing pockets

Remove the steering stem grommet to unplug the turn signal cancel switch

Remove the screw holding the lever and remove the turn signal cancel switch from the lower triple clamp/steering stem.

Remove the steering stem nut. Tool: Socket, 30mm

Remove and discard the upper triple clamp.

NOTE: On 06 and newer bikes remove the two bolts (8mm hex)) holding the plate that prevents the top triple clamp from coming off of the stem- you can access these screws by separating the plastic flanges on each side of the ignition switch (figure 2)

Straighten the lock washer tabs. Remove the lock nut and lock washer.

Remove the steering stem adjustment nut and the lower triple clamp/stem Tool: Steering stem socket Honda part # 07916-3710100

Discard the lower triple clamp/stem & bearings

Replace the upper and lower bearing races with the provided roller bearing races

Pack the provided upper bearing with grease.

Install 5mm studs into lower triple-clamp. (figure #3)

Install new lower triple-clamp and stem through the steering head and upper bearing.

Install the steering adjustment nut.

Tighten the steering stem adjustment nut as follows:

1. Tighten the adjustment nut to 29 ft-lb.
2. Turn the steering stem lock-to-lock five times to seat the bearings.
3. Loosen the adjustment nut until it is hand-tight.
4. Then retighten to the torque of: 28 ft-lb.

Repeat steps 2, 3, and 4 above.

Then repeat steps 2 and 4 a third time. Do not loosen the adjustment nut.

#### WARNING

Improper adjustment of the steering stem adjustment nut (too loose or too tight) may cause handlebar oscillation, cornering instability, or excessive noise during braking.

Install the lock washer aligning the tabs with the nut grooves.

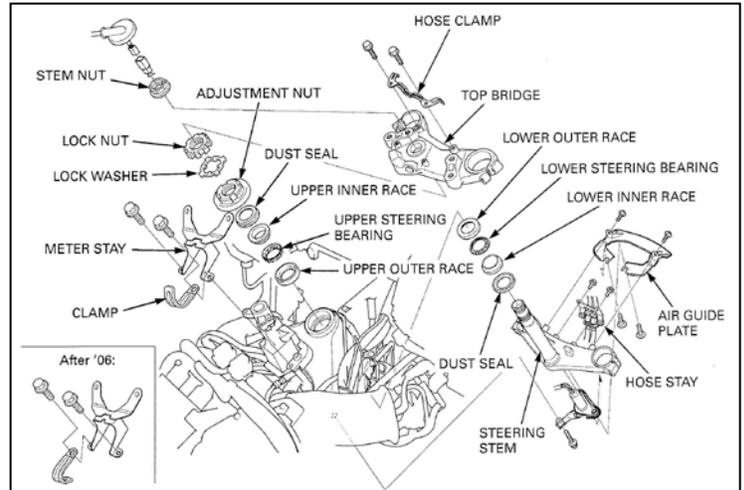
Hold the adjustment nut and hand tighten the lock nut to align its grooves with the lock washer tabs.

#### NOTE

If the lock nut grooves cannot be easily aligned with the lock washer tabs, remove the nut, turn it over, and reinstall it.

Bend the other two lock washer tabs up into the lock nut grooves.

Install the upper triple and steering stem top nut. Do not tighten nut at this time.



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Remove fork tube top cap. Tool: 15/16" socket or metric equivalent.

Fork springs: if replacing stock Honda springs, remove old springs and replace with aftermarket.

Install new fork extenders into fork tube. Tighten to specified torque. Torque: 23 ft-lb.

Slide tire/fork tube assembly through lower triple-clamp and into the upper triple-clamp.

Level the top of the fork tube extender with the top of the upper triple-clamp.

#### NOTE

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The fork tube extender nut should be above the top of the upper triple-clamp.

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Tighten the upper triple-clamp pinch bolts to the specified torque. Torque: 19 ft-lb.

Tighten the steering stem top nut to the specified torque. Tool: Socket, 30mm Torque: 76 ft-lb.

Tighten the lower triple-clamp pinch bolts to the specified torque. Torque: 29 ft-lb.

Replace the brake hose clamp assembly on to the lower triple clamp

Replace the turn signal cancel switch in to the steering stem.

Use the provided 5mm screw and 7/8" long spacer and washer to secure turn signal cancel lever to steering head.

Install the air dam on to the 5mm studs in the lower triple clamp and replace the Allen screws that hold the air dam and the turn signal cancel switch to the lower triple clamp, then install the provided flat washers and 5mm nuts on to the studs

Plug in the turn signal cancel switch and replace the grommet in to the steering stem nut.

Replace the handlebars

Replace the cable/hose guide plate

Replace the upper triple clamp cover

(06 and newer only) Replace the two screws removed from the plate

Replace the brake calipers, anti-dive valve, and all brake line/hose bracket/clamp bolts

Replace the front fender half and related covers

Replace the LCD display panel and the speaker covers

Insure that the handlebars turn stop to stop with no binding or interference

Test drive