



# **OWNER'S MANUAL** **SHAFT DRIVE CONVERSION KITS**



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**ROADSMITH® Conversions are neither licensed nor endorsed by Honda®**

**OWNER'S MANUAL**



## **SHAFT DRIVE CONVERSION KIT**

This owner's manual describes the converted portion of the motorcycle, generally, from the passenger seat to the back of the Trike. Your primary reference for the non-converted portion is the Honda<sup>®</sup> Owner's Manual. The information in this manual was current at the time the manual was approved for printing. The Trike Shop, Inc. is solely responsible for the content of this manual and reserves the right to make changes at any time without notice and without obligation. All, but not part, of this manual may be reproduced for non-commercial purposes such as to create an extra owner's manual when there is more than one regular operator of the Trike; otherwise, no part of this manual may be reproduced without written permission of The Trike Shop. The Trike Shop, Inc. is not affiliated with Honda<sup>®</sup> of America. ROADSMITH<sup>®</sup> conversions are neither licensed nor endorsed by Honda<sup>®</sup>.



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# IMPORTANT INFORMATION

## READ THIS SUPPLEMENTAL OWNER'S MANUAL CAREFULLY

Pay special attention to the following Safety Message Symbols that appear throughout the manual. If you are unclear about any safety message or any other information in this manual call us, toll free, at 800.331.0705.

## SAFETY MESSAGE SYMBOLS

### WHAT THEY MEAN



You **WILL** be **KILLED** or **SERIOUSLY HURT** if you don't follow these instructions.



You **CAN** be **KILLED** or **SERIOUSLY HURT** if you don't follow these instructions.



You **CAN** be **HURT** if you don't follow these instructions.



Your Trike or other property can be damaged if you don't follow these instructions.



A box with a number inside directs you to the **PHOTO REFERENCE PAGE**, page and a picture with the same number. The pictures on the **PHOTO REFERENCE PAGE** are provided to help you better understand the text.

## THIS IS A SUPPLEMENTAL OWNER'S MANUAL

This Trike manual is issued by The Trike Shop, Inc. (The Trike Shop) and only covers the converted portion of your Trike. To safely operate your Trike you must be familiar with the Owner's Manual issued by Honda<sup>®</sup>, which covers the non-converted portion of the motorcycle used in the conversion.

## THIS SUPPLEMENTAL OWNER'S MANUAL COVERS

- general information about the conversion,
- how a Trike is different from a conventional two-wheel motorcycle,
- maintenance issues you must address, and
- known safety issues.

## THIS SUPPLEMENTAL OWNER'S MANUAL DOES NOT COVER

- operation and maintenance of the Trike from roughly the passenger seat, forward.

**▲WARNING**

**OPERATOR AND PASSENGER**

This Trike is designed to carry the operator and one passenger. Do not exceed the maximum recommended single-rider weight of 375 pounds or a combined weight of 500 pounds for passenger and rider.

**▲WARNING**

**ON-ROAD USE**

This Trike is designed for on-road use only. This Trike is not equipped with a spark arrester and is not designed for off-road use. Operation in forest, brush, or grass-covered areas may be illegal and dangerous.

**NOTICE**

**SAFEGUARD THIS MANUAL**

This manual should be treated as a permanent part of the Trike and should remain with the Trike when sold.

# BEFORE YOU RIDE YOU SHOULD KNOW

Your Trike is designed to give you many years of enjoyment. Before you ride, here are some things you should know and remember.

1. The Trike conversion kit is considered an accessory to a conventional two-wheel motorcycle. If you need a motorcycle endorsement on your motor vehicle operator's license to operate a motorcycle, then you need the motorcycle endorsement to operate the Trike. Do not allow unlicensed drivers to operate your Trike.

2. **▲ WARNING**

Your safety depends on your physical condition, your alertness and familiarity with the Trike, weather conditions, road condition, traffic levels, and the Trike's mechanical condition. Do not operate a Trike:

- under the influence of alcohol.
- under the influence of prescription or non-prescription drugs (legal or illegal) which affect your ability to operate a motor vehicle.
- when you are suffering from any physical or psychological condition which impairs your ability to operate a motor vehicle.
- under any other conditions beyond your own experience and ability as an operator.
- when the Trike's mechanical condition is compromised.
- before performing a pre-ride inspection.

3. **▲ WARNING**

If you have experience riding a conventional two-wheel motorcycle, it does not translate hour-for-hour into meaningful experience in operating a Trike. A Trike "feels different" in some important ways including:

- operation around others,
- acceleration,
- stopping, and
- turning.

Learn how to operate your Trike safely:

- take it easy—give yourself time to get used to the way your Trike handles.
- take the time to read this manual carefully.
- attend a Motorcycle Safety Foundation training course.
- if you have any questions about the safe operation of your Trike, call us Toll Free at 800.331.0705.

# TRIKE SAFETY

## **▲ WARNING**

### **IMPORTANT SAFETY INFORMATION**

Important safety information is contained in this Supplemental Owner's Manual and the Owner's Manual provided by Honda®. It is your responsibility to familiarize yourself with the safety information located in both manuals. Failure to familiarize yourself with, and follow, the safety information in both manuals can result in you and/or someone else being killed or seriously hurt.

Your Trike is, generally speaking, a safer driving platform than a conventional two-wheel motorcycle. However, like two-wheel motorcycles:

- regardless of the speed you may be driving, you are very vulnerable to road hazards.
- you do not have the protection of a car frame and there are only a few inches between you and the pavement.
- any Trike or motorcycle accident or incident has the potential to be life threatening or cause serious injury to you and/or your passenger—much more likely than when you are in a car with its various restraints and forms of passive protection.

We encourage all owners to stay active in the motorcycle/Trike rider community to keep current with changes in what it means to increase your safety margin when operating a Trike. Minimum commonly accepted safety standards in the Trike community include:

- Always wear a helmet.
- Always wear protective clothing.
- Take a rider training course.
- Ride defensively.
- Make yourself easy to see.
- Ride within your limits.
- Keep your Trike in safe condition.

**SAFETY IS SERIOUS  
RIDING IS FUN  
RIDING SAFELY IS SERIOUS FUN!**

# LOADING AND WEIGHT LIMITATIONS

## **▲WARNING**

Your Trike has been designed to carry one operator and one passenger, plus cargo. You can also tow a trailer designed for use behind a Trike. When you add cargo or carry a passenger or tow a trailer, you may feel some difference in acceleration and braking. **Generally, the more weight you are carrying the longer it will take you to accelerate and the longer it will take you to stop.** However, as long as you keep your Trike well-maintained and your driving skills current, and do not operate in unsafe conditions, you can safely carry loads within the limits specified in this Supplemental Owner's Manual. **You are creating an unsafe condition that may result in serious injury or death to you or another person when you exceed the maximum individual and/or total load limits set out in this Supplemental Owner's Manual.**

## INDIVIDUAL LOAD LIMITS

|  |             |
|--|-------------|
| Max Driver Weight                      | 375 pounds  |
| Max combined Driver & Passenger Weight | 500 pounds  |
| Max cargo upper cargo bin              | 20 pounds   |
| Max cargo lower cargo bin              | 40 pounds   |
| Max luggage rack                       | 10 pounds   |
| Max trailer and trailer cargo weight   | 500 pounds  |
| Fuel                                   | 39 pounds   |
| Long Range Fuel Option                 | 54 pounds   |
| Standard Trike Weight [1200-1260]      | 1260 pounds |

**NOTE!** The weights set out above are provided to allow you the flexibility to safely carry different kinds of loads **BUT NOT ALL OF THEM AT THE SAME TIME!**

## **▲DANGER**

**IT IS POSSIBLE TO LOAD THE TRIKE WITH MORE WEIGHT THAN IT IS SAFE TO CARRY. YOU ARE RESPONSIBLE TO OPERATE THE TRIKE AT A TOTAL WEIGHT LESS THAN THE MAX GROSS VEHICLE WEIGHT OF 2300 POUNDS.**



# GENERAL OPERATION

## A TRIKE DOES NOT OPERATE LIKE A TWO-WHEEL MOTORCYCLE—HERE'S WHAT TO EXPECT

### CHARACTERISTICS UNIQUE TO TRIKES

#### ➤ STABILITY

Trikes are, generally speaking, more stable than conventional motorcycles. You will notice the biggest difference at slow speeds, when stopped for traffic, and when parking. Under normal driving conditions, **it is difficult, but not impossible, to cause a Trike to tip over.** If you operate the Trike “on-road” within normal limits, you should never tip over. **One way to destabilize the Trike and make it susceptible to tipping is to overload it.** Keep the weight within the limits set out in this manual for a safe ride.

#### ➤ REAR OF TRIKE WIDER THAN FRONT

This takes a little getting used to at first. Just remember, you may not be able to “squeak” into parking spaces like you did on a conventional motorcycle. Make sure people back away from the bike before you start to move. And, when you pass someone, you need to allow more room.

#### ➤ FLAT TURNS

Once you get used to flat turns you will like them as much or more than banked turns. Just remember to “hold on” as you go around corners.

#### ➤ STEER IN THE DIRECTION YOU WANT TO GO.

This is another difference that you will learn to appreciate. On a Trike always turn the direction you want to go—even at faster speeds.

### ▲ CAUTION

#### MOUNTING THE TRIKE

#### ➤ BODY POSITION OF DRIVER AND PASSENGER.

Typically, the passenger gets on the Trike first because it is easier to do if the operator is not yet seated. The passenger and driver should sit with their feet on their respective foot rests. To avoid unintentionally engaging the transmission while mounting the Trike, which would allow the Trike to move without an operator, do not start the engine until you and the passenger are seated and ready to ride.

## **KEEP YOUR FEET ON THE FLOORBOARDS OR FOOT PEGS TO AVOID HAVING YOUR FEET PINNED UNDER THE REAR WHEELS.**

In a conventional two-wheel motorcycle, as you begin to move forward, your feet are on the ground—then you pick up your feet and put them on the foot rest. This is not a safe procedure on a Trike because, unlike a conventional two-wheel motorcycle, on a Trike **there are wheels behind your feet**. If you are careless, it is possible to run over your own foot or, worse, both feet. **You will never have this problem as long as you** and your passenger keep your feet on the foot rests before you begin moving.

1

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### **▲ DANGER**

➤ **DO NOT ALLOW ANYONE TO RIDE ON THE FENDERS.**

Allowing a person to ride on the fender of the Trike can cause harm to the Trike because the fenders are not designed to bear loads. More importantly, **if someone is sitting on the fender and slips off while the Trike is moving, they will be run over by the wheel.**

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### **▲ WARNING STARTING ENGINE**

Operator must be seated in driver's seat with feet on floor boards before starting engine. **Do not start the Trike while standing on the ground next to it** as serious injury or death may result to you or others should the Trike move forward without the operator on board.

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4

### **▲ WARNING BEFORE MOVING CLEAR THE AREA.**

The back of the Trike is wider than the front of the Trike. Before you move the Trike, make certain there is no one standing in front of or behind the rear wheels.

### **STEERING—UNIQUE FEATURES**

- Steer the direction you want to go.
- No counter-steering.

## **▲WARNING**

### **TURNING—UNIQUE CHARACTERISTICS**

- Driver and passenger will experience their bodies wanting to lean to the outside of a flat turn just like in a car—counter by holding on during a turn.
- **NOTICE. The back end of a Trike is wider than the front. Exercise caution when turning to avoid obstacles that may not be hazards for a standard motorcycle.**

### **CRUISE—KEEP BOTH HANDS ON HANDLE BARS**

When viewed from above, the three wheels of the Trike form a triangle. When one of the wheels hits something the impact is transferred through the Trike and absorbed by the frame. You may experience a slight wobble in the front wheel when this happens. The wobble is easily countered by holding on to the handle bars with both hands. **Always drive with both hands on the handle bars.**

### **STOPPING—USE OF BRAKES.**

Use the same equal application of front and rear brakes as you would on a conventional two-wheel motorcycle.

### **TURNING OFF THE ENGINE**

- Get in the habit of turning off the engine and removing the key before you dismount the Trike. Doing so eliminates any possibility that you might accidentally engage the transmission as you get off the bike allowing the bike to move under its own power without an operator.
- Leave the Trike in gear to prevent it from moving. If it is parked on a slope then a wheel chock may be necessary.

### **DISMOUNTING THE TRIKE**

- Turn off the engine and remove key.
- Place Trike in gear to prevent movement.
- Operator dismounts first.
- Passenger dismounts second.

## **NOTICE**

### **SECURING THE TRIKE**

- Place vehicle in gear and chock wheels if necessary.

## **▲CAUTION**

### **PUSHING THE TRIKE**

Exercise caution when pushing the Trike to prevent your foot from getting caught under the rear wheel.

# PRE-RIDE INSPECTION

Your life and the life of your passenger depend upon the good operating condition of your Trike. Before you begin any ride, not just the first ride of the day, take a moment to walk around your Trike and check its condition.

The pre-ride inspection consists of two parts:

- the pre-ride inspection identified by Honda®.
- the pre-ride inspection identified by The Trike Shop.

## PRE-RIDE INSPECTION OF TRIKE CONVERSION

- The left hand column lists the conversion items you must check before each ride.
- The second column tells you what to check for.
- The third column tells you what a problem looks like.
- The right hand column tells you what corrective action you need to take.
- Items marked **▲WARNING** should be repaired as soon as possible.
- Items marked **▲DANGER** should be repaired before operating the Trike.

| <u>CHECK THIS ITEM</u>                     | <u>CHECK FOR THIS</u>                | <u>THESE PROBLEMS REQUIRE ATTENTION</u>                         | <u>THIS IS WHAT NEEDS TO BE DONE</u> |
|--|--------------------------------------|---|--------------------------------------|
| <b>▲WARNING</b><br>Extended range gas tank | <b>▲WARNING</b><br>Fuel cap security | <b>▲WARNING</b><br>Fuel cap missing or does not secure properly | <b>▲WARNING</b><br>Repair or replace |
| Trunk                                      | Latch secured                        | Latch does not secure   | Repair or replace                    |
| Turn signals                               | Operation left and right             | One or more not flashing  | Repair or replace                    |
| Running lights                             | Always on                            | Inoperative or Damaged lens                                     | Repair or replace                    |
| Trailer lighting harness                   | Security and Integrity               | Frayed or loose wires   | Repair or replace                    |

| <u>CHECK THIS ITEM</u>   | <u>CHECK FOR THIS</u>  | <u>THESE PROBLEMS REQUIRE ATTENTION</u>   | <u>THIS IS WHAT NEEDS TO BE DONE</u>   |
|--|--|---|--|
| <b>▲ WARNING</b><br>Brake lights   | <b>▲ WARNING</b><br>Independent Operation when brake pedal or brake handle is applied  | <b>▲ WARNING</b><br>No brake lights when one or both front and rear brakes applied  | <b>▲ WARNING</b><br>Repair or replace  |
| <b>▲ WARNING</b><br>Rear wheels 26-30 p.s.i.<br><b>Note:</b> Rear tires must have equal pressure or the Trike will turn or “pull” in the direction of the tire with lower pressure               | <b>▲ WARNING</b> <ul style="list-style-type: none"> <li>➤ Proper inflation for load</li> <li>➤ Depth of tread</li> <li>➤ Integrity of tread</li> </ul> | <b>▲ WARNING</b> <ul style="list-style-type: none"> <li>➤ Improper inflation,</li> <li>➤ Tread worn, uneven</li> <li>➤ Presence of road hazards such as nails in tread</li> </ul> | <b>▲ WARNING</b> <ul style="list-style-type: none"> <li>➤ Adjust inflation</li> <li>➤ Repair or replace if necessary</li> <li>➤ Adjust suspension (spring or air shocks) so the tire rides flat</li> </ul> |
| Constant Velocity (CV) Boots (4 each)<br><div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">5</div> | Security and Integrity   | Cracked, signs of oil or grease on surface  | Repair or replace  |
| <b>▲ WARNING</b><br>Trailer hitch  | <b>▲ WARNING</b><br>Ball security  | <b>▲ WARNING</b><br>Loose or damaged ball   | <b>▲ WARNING</b><br>Repair or replace  |
| <b>▲ DANGER</b><br>Brake pedal   | <b>▲ DANGER</b><br>Check for operation   | <b>▲ DANGER</b><br>No resistance  | <b>▲ DANGER</b><br>Inspect brake fluid levels. Refill levels if necessary.<br>Check hydraulic system   |

| <u>CHECK THIS ITEM</u>              | <u>CHECK FOR THIS</u>  | <u>THESE PROBLEMS REQUIRE ATTENTION</u>  | <u>THIS IS WHAT NEEDS TO BE DONE</u>  |
|-------------------------------------|--|--|---|
| <p><b>▲ DANGER</b><br/>Axle Nut</p> | <p><b>▲ DANGER</b><br/>Remove ornamental cap;<br/><b>6</b><br/><br/>Nut should be tight and the safety [Cotter] pin in place.<br/><b>8</b></p> | <p><b>▲ DANGER</b><br/>Loose nut or missing safety [Cotter] pin.<br/><br/>Note: squeaky sounds coming from rear axle and or appearance of red, rusty dust may be a sign of a problem with the axle nut.<br/>INSPECT AND DETERMINE SOURCE OF NOISE AND/OR DUST<br/><b>9</b></p> | <p><b>▲ DANGER</b><br/>Tighten nut, Replace safety [Cotter] pin.<br/><br/>Identify and correct problem causing noise and/or red, rusty colored dust before operating Trike.</p> |
| <p><b>▲ DANGER</b><br/>Lug Nuts</p> | <p><b>▲ DANGER</b><br/>Remove ornamental cap;<br/><b>6</b><br/><br/>Check for presence [4] and security of lug nuts.<br/><b>7</b></p>          | <p><b>▲ DANGER</b><br/>Loose or missing lug nuts</p>   | <p><b>▲ DANGER</b><br/>Replace and tighten all lug nuts with torque wrench to 75 #ft.</p>   |

# WHEEL REMOVAL

## ▲WARNING

### REAR WHEEL REMOVAL

- Wheel removal is normally done in a garage or service station. It is accomplished by placing a scissor jack under the jack point.

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- The wheel is then removed in the same manner as a car wheel.
- Do not jack on a soft surface or under any conditions where the Trike might slip off the jack and fall on you or someone else.

## TRANSPORTING THE TRIKE

- Recommended—Place Trike on a flat bed trailer and secure at jack points.

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- Not Recommended—Towing.

## CLEANING

The Trike is finished with polyurethane. **Waxing new polyurethane paint will negatively affect the finish. Do not wax your Trike for at least 45 days of use or exposure to the elements.**

We recommend Honda<sup>®</sup> Spray Cleaner and Polish for your Trike.

If you operate the Trike in winter conditions, do not allow water and road salt and or chemicals to collect under the vehicle. Frozen water containing road salt and chemicals can freeze on the Trike and will:

- cause corrosion which will shorten the life of your Trike.
- cause damage to, and potentially interfere with, the operation of moving parts.

## STORAGE

- Do not store the Trike on a dirt floor—moisture rises from the earth and will corrode your Trike.
- Storage on a concrete floor is normally acceptable.
- The Trike comes equipped with radial rear tires. Radial tires do not need to be stored off the floor.

## MAINTENANCE

### Rear Tire Pressure

Rear tire pressure must be the same in each tire or the Trike may tend to pull or turn in the direction of the tire with the lower pressure.

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### Differential Fluid = 80/90 hypoid gear oil

Under normal driving conditions you should check the differential fluid by removing the fill/inspection plug. If the plug is rubber it can be removed with a screw driver. If it is a metal plug with a “star-slot,” the plug can be removed by inserting the square end of a one-half inch extension for a ratchet wrench.

The fluid level should be one inch below the fill hole. This should be checked annually

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**IF YOU HAVE ANY MAINTENANCE QUESTIONS  
CALL US TOLL-FREE AT 800.331.0705, AND WE WILL  
BE HAPPY TO ANSWER THEM FOR YOU.**

## **WHERE TO GET YOUR TRIKE SERVICED**

The “front-end” non-converted portion of your Trike can be serviced at any Honda® authorized service/repair facility.

The “back-end” converted portion of your Trike can be serviced at any Trike dealer or any full-service automotive repair facility.

Any full-service automotive repair facility can call us, toll free, at 800.331.0705 and we will be happy to answer their questions on how to service or repair the converted portion of the Trike.

# Roadsmith Shaft Drive Conversion Specifications Sheet

*For units installed after March 1, 2011*

*HT1800 for 2001-present GL1800  
HTS1800 for 2001-present GL1800  
HT1500 for 1988-2000 GL1500  
HSC1300 for all VTX1300  
HSC1800 for all VTX1800  
HSC1500 for all Valkyries*

**Weight:**

Kit – approx. 350lbs

**Overall Length: with steer kit**

|         |      |
|---------|------|
| HT1800  | 118" |
| HTS1800 | 121" |
| HT1500  | 116" |
| HSC1300 | 115" |
| HSC1800 | 115" |
| HSC1500 | 118" |

**Outside Tire Width:**

52" – all models

**Width at Center of Tires:**

43.5" – all models

**Maximum Fiberglass Body Width:**

57" - all models

**Body Material:**

Polyester resin fiberglass

**Differential:**

80/90W hypoid gear lube  
Fill with 1 quart  
Fill hole is NOT a level indicator.  
Correct fluid level: **1" below fill hole.**  
Differential is factory filled before shipping

**Goldwing/Valkyrie conversion differentials**

Ford based (mid-2008 thru current): 8 bolt cover  
(6 3/4" with 2.93:1 gear ratio)  
GM based (mid-2006 thru 2008): 10 bolt cover  
Chrysler based (thru mid-2006): 9 bolt cover

**VTX conversion differentials**

HSC1300: Dana 30 gear ratio 3.07:1  
HSC1800: Dana 30 gear ratio 3.55:1

**Drive Shaft:**

2" diameter automotive style  
GL1500, GL1800, Valkyrie, VTX  
Spicer U-joint part numbers:  
All models front 5-153X  
Rear Ford 5-1201X  
Rear GM 5-30-22X  
Rear Chrysler 5-353X  
Rear Dana 5-153X

**Rear Wheel Bearings:** all VW application

|             |              |
|-------------|--------------|
| Inner:      | 113-501-283  |
| Outer:      | 113-501-277A |
| Axle seals: | 113-501-315  |
| CV joints:  | 113-501-331  |
| CV boots:   | 113-501-149  |

**Brakes rear:**

11" disc dual piston calipers  
Brake pad  
VW 311-698-151B  
Federated D30A  
Calipers  
VW 311-615-107 (L)  
VW 311-615-108 (R)  
Cardone 19-231 (L)  
Cardone 19-230 (R)

**Rear Rims:**

5x4 1/2" bolt pattern  
4x100mm bolt pattern  
35mm positive offset

**Shocks:****HT1800**

Standard: fixed coil springs with adjustable coil-over-shocks  
Optional: preload system integrated into coil springs paired with coil-over-shocks  
Optional: air-shocks utilizing AccuRide system paired with fixed coil springs

**HT1500**

Standard: fixed coil springs with adjustable coil-over-shocks  
Optional: air shocks connected to bikes onboard air compressor paired with coil-over-shocks

**VTX and Valkyrie**

Standard: fixed coil springs with adjustable coil-over-shocks  
Optional: air shocks paired with coil-over-shocks

**Optional Gas Tank:**

HT1800, HTS1800, and HT1500 only:  
Capacity: 5 gallons  
Fuel pump part number: E8016S

# AUXILIARY FUEL TANK

**HT1500 models:** The fuel tank selector switch is located on the left or right fairing and has three positions:

- “Up”—draws fuel from the front tank; fuel gauge reads front tank level
- “Middle”—shuts off both fuel tanks (anti-theft feature)
- “Down”—draws fuel from the auxiliary tank; fuel gauge reads auxiliary tank level

**HT/HTS1800 models:** When equipped with the auxiliary fuel tank. The engine only draws fuel from the main tank. Fuel management involves transferring fuel from the auxiliary tank to the main tank through the use of a fuel transfer pump. The fuel transfer pump “on/off switch” has two settings:

- “Up” (on) for transferring fuel from the auxiliary tank to the main tank. Two small lights near the switch illuminate when the pump is turned on indicating there is power to the fuel transfer pump and it is pumping fuel; and,
- “Down” for turning off the fuel transfer pump. Two lights are no longer illuminated.

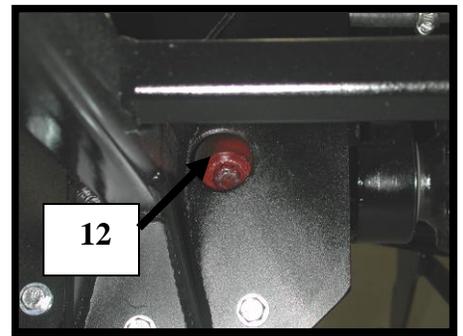
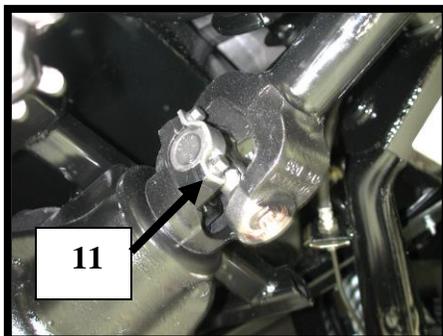
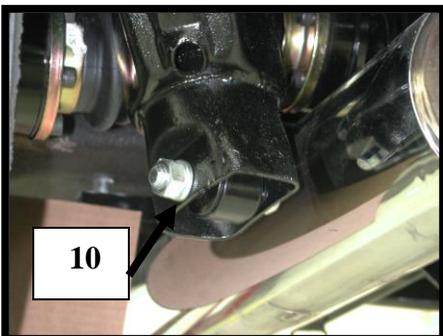
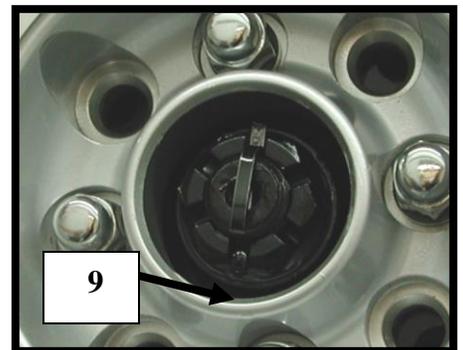
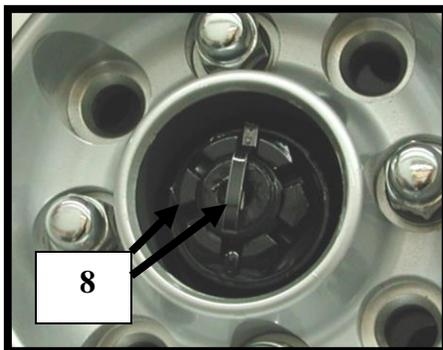
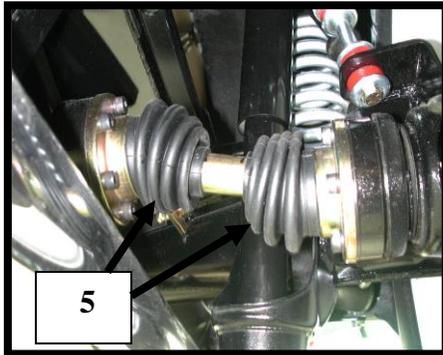
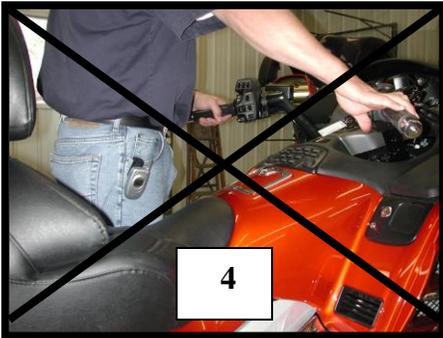
## **▲ DANGER**

**FAILURE TO FOLLOW THE FUEL TRANSFER PROCEDURE WILL RESULT IN THE MAIN FUEL TANK OVER-FILLING AND SPILLING FUEL. A RESULTING FIRE AND/OR EXPLOSION WILL CAUSE SEVERE INJURY AND/OR DEATH.**

## **HTS1800 FUEL TRANSFER PROCEDURE**

1. **After** the low fuel indicator warning light comes on, move the fuel transfer pump switch to the “up” (on) position to transfer fuel from the auxiliary tank to the main tank. **To avoid over-filling the main tank and causing a dangerous fuel spill, NEVER transfer fuel until after the low fuel indicator light comes on.** During fuel transfer, the fuel gauge will slowly show an increase in fuel. When the fuel transfer pump has pumped all of the fuel from the auxiliary tank it will stop pumping and only one of the two small lights near the fuel transfer pump switch will be illuminated. **One light illuminated means the fuel transfer pump is “armed” and will begin pumping when fuel is reintroduced into the auxiliary tank creating the potential for a dangerous fuel spill. Always complete the following step as soon as fuel transfer is complete.**
2. Return the fuel transfer pump switch to the “down” (off) position.

# PHOTO REFERENCE PAGE



**FACTORY WARRANTY AND SERVICE AGREEMENT**  
**36 MONTHS or 1,000,000 MILES**

The Trike Shop, Inc. warrants each new Roadsmith trike conversion manufactured by it to be free from defects in material and workmanship (under normal use and service) for a time period of 36 months or 1,000,000 miles, whichever comes first.

Provided, however, this warranty is limited to repairing or replacing any part at The Trike Shop's factory or authorized dealer within 36 months after delivery of a Roadsmith trike conversion to the purchaser. This repair or replacement is subject to an inspection of the part and subsequent determination that the part had indeed failed.

For Roadsmith trike conversion customers located outside a 125-mile radius from any authorized dealer, warranty repairs may be performed at a local repair facility chosen by the consumer. The owner of such Roadsmith trike conversion with a potential warranty claim must contact The Trike Shop prior to any warranty work being performed. The Trike Shop will authorize warranty work only after being presented with a binding estimate from the business performing the warranty work. The Trike Shop will pay the business directly for the warranty work or reimburse the customer in accordance with the estimate. Any potential estimate overages must be approved by The Trike Shop.

***The Trike Shop will not be held liable for any transportation charges incurred in connection with the warranty claim.***

This warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities on the part of The Trike Shop.

***The Trike Shop neither assumes nor authorizes any other person to assume for it any other liability in connection with the sale or warranty of the Roadsmith trike conversion.***

This warranty does not apply to any Roadsmith trike conversion that was repaired or altered outside of The Trike Shop's factory in any way so, in its judgment, to affect its stability or reliability, or which has been subject to misuse, negligence or accident.

Please fill out and return the Warranty Registration and Questionnaire and fax/mail to The Trike Shop's factory. Doing so will allow us to contact you in case of safety recall or any other such matter.