



TRIKE CONVERSION KIT
HARLEY-DAVIDSON®
FLH/FLT & SOFTAIL (FLST)

Champion Trikes
(800) 875 0949
www.championtrikes.com

Owner's Maintenance Notes

1. **Tire Pressure and Rotation:**

Keep the nominal tire pressure at about 20-25psig. It is not necessary to periodically rotate the trike tires unless you experience unusual tire wear.

2. **Bearing Lubrication.**

Your Swing Arm, external differential and axle bearings are sealed and do not require greasing. However, should you experience unusual differential or axle bearing noise you should take your trike to a Champion Trike Dealer or to your motorcycle mechanic for a checkup.

3. **Body Lubrication.**

There are no grease fittings on the trike body and no required body lubrication points.

4. **Differential lubrication.**

Your differential is a sealed unit and comes filled with high-pressure grease. No maintenance is required.

5. **Brakes.**

Check your brake system fluid level every 3,000 miles and top-off as necessary. Inspect rear disc brake pads every 10,000 miles and replace as necessary. Pads are Volkswagen Part # D101P

6. **Drive Train.**

Inspect your drive belt as recommended in your motorcycle Owner's Manual. When properly tensioned after the trike conversion, the belt should "deflect" about 1/2 to 5/8 inches when pressed with a force of 10 pounds. Do not use commercial belt dressing compounds on the belt: these compounds are designed for friction, not toothed, belts and can collect dirt and sand.

7. **Suspension System.**

FLH/FLT: The suspension system retains your two OEM shocks and is designed to give you the best ride with a load of no more than 500 pounds (passengers plus cargo plus trailer tongue weight). Keep the air pressure in the shocks in the range of 30-70 psig:

Softail (FLST): The suspension system retains your single OEM shock and adds two coil-over "helper" mechanical shocks. The system is designed to give you the best ride with a load of no more than 500 pounds (passengers plus cargo plus trailer tongue weight). There is a pre-load adjuster ring on each new shock that is factory-set at the "lowest" setting, for the softest ride. Changing this setting will result in a stiffer ride.

8. **EZ-Steer (rake kit):**

If your trike is equipped with Champion's EZ-Steer, the bearings are a wear item. You should follow your motorcycle manufacturer's recommended front-end triple-tree maintenance requirements. Generally these call for an initial service at 1,000 miles followed by periodic maintenance at 10,000 mile intervals.

9. **Electrical:**



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Your trike is pre-wired for a trailer connection. The harness is just below the trunk door on the underside of the body. The wiring is as follows: (Please confirm color coding on your Trike)

Old Harness		New Universal Harness (From Mid 2007)
Running lights	Confirm by testing	BROWN
Brake lights	RED	RED
Turn signal, right	GREEN	GREEN
Turn signal, left	YELLOW	YELLOW
Accessory	BLUE	BLUE
Ground	Confirm by testing (White or Black)	BLACK

10. Basic Motorcycle Maintenance.

You should follow the periodic maintenance requirements prescribed in your motorcycle Owner's Manual for those components and systems not replaced by the Champion Trike Conversion Kit. Your trike kit should be checked by a professional trike conversion company every 5,000 miles. Every 10,000 miles you should check the trike kit fasteners for tightness.

11. Specifications

Overall Length:	66"
Body Length:	92"
Wheel Base:	53"
Load Capacity:	620 Lb
Tire Size (15"):	205 / 70 / R15
Wheel Size (15") (4 lug)	Offset +35 mm 15x7JJ 4x4.5 – (Current Installations – Alum Rear End)
Wheel Size (15") (5 lug)	Offset +35 mm 15x7JJ 5x4.5 – (Later Installations – Black Rear End)
Tire Size (16")	215 / 60 / R16
Wheel Size (16") (5 lug)	Offset +40 mm 16x7JJ 5x4.5 – (First Installations – Black Rear End)
Tire Pressure:	20 PSI
Suspension:	See paragraph 7 above
Rear Differential:	Custom-built rear differential utilizing OEM drive belt.
Brakes:	Original front plus 2 high performance disc brakes at rear.
Storage Capacity:	3.75 cubic feet. 2 full-face helmets and additional storage.