

**VIPER**  
*Cobra & Cobra XL*

by **CSC**  
TRIKES

**2001 - Current  
GL1800 Goldwing**

***Power Trak 6°***  
**Installation Instructions**

**REVISED 1 - 2015**

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## **Warnings and considerations:**

- 1.Disclaimer** - These instructions assume a level of understanding of motorcycle repair and maintenance beyond that of a “beginner” and/or “novice” and California Sidecar cannot be liable for an installer’s failure to understand or follow these instructions as written. Likewise, California Sidecar cannot be responsible if any of the steps are omitted or shortcuts are taken, or parts other than those supplied by California Sidecar are used.
- 2.“WARNINGS”** are all printed in bold type and capitalized. They mean to use extreme care in a given step so as not to damage the part, motorcycle, and/or yourself.
- 3.Always** wear safety glasses when using hand and/or power tools.
- 4.**When working in and around the fuel system, **always** work in a well-ventilated area, free from sparks and open flames.
- 5.**All directional references to the “right side” and the “left side” are as you were seated on the motorcycle.
- 6.**All directional references to “forward” mean to the front of the motorcycle while “back” means the rear of the motorcycle unless otherwise stated.
- 7.Warning:** The fork spring cap is under spring pressure; use care when removing it.

## **Specifications:**

- 1.** Torque bearing adjustment nut to 35 Ft-Lbs.
- 2.** Finger tighten bearing adjustment jam nut.
- 3.** Torque steering stem nut to 80 Ft-Lbs.
- 4.** Grease for bearings; Multi-Purpose grease.

## **Special tools:**

1. Bearing adjustment nut socket.
2. Honda Bearing Installation/Removal tool
3. (refer to p. 13 - 41 in Honda Service Manual)

## **Disassembly:**

1. Remove the four M6 x 1.0 BHSCS, two rubber washers, and front fender A.
2. Remove the four M5 x .80 BHSCS and chrome front fender covers.
3. Remove the trim clip and two M5 x .8 BHSCS and the fender top cover.
4. Remove the four M6 x 1.0 HHCS and front fender B.
5. Remove the M6 x 1.0 HHCS and the delay valve.
6. Remove the two M8 x 1.25 HHCS and the right caliper.  
**Do not let the brake calipers hang from the brake hoses!**
7. Remove the two M8 x 1.25 SHCS and the secondary master cylinder.
8. Remove the M8 x 1.25 SHCS from the left brake caliper.
9. Loosen the two M8 x 1.25 right axle holder cap screws.
10. Remove the axle bolt.
11. Loosen the two M8 x 1.25 left axle holder cap screws.
12. Remove the front axle and wheel assembly.
13. Remove the two M4 x .7 SHCS and the anti-dive plunger case.
14. Remove the M6 x 1.0 HHCS and the brake hose joint.
15. Remove the two M6 x 1.0 HHCS and the brake hose clamps.
16. Remove the three M5 x .8 Phillips screws from the turn signal cancel unit.
17. **2006 model. Remove meter panel.**

- 18. Remove four M6 x 1.0 HHCS from the instrument panel and gently pull down and out, unplug harness and remove instrument panel. Also remove the two M6 x 1.0 HHCS in the meter panel mount. You must remove the shelter in order to remove these two cap screws. Refer to Honda service manual. Skip to step 21.**
- 19. Remove the two front speaker covers from the dash.**
- 20. Remove the two trim clips and two M6 x 1.0 BHSCS and the meter panel.**
- 21. Remove the two M5 x .8 Phillips screws and the upper triple clamp cover.**
- 22. Remove the two M6 x 1.0 HHCS and the hydraulic hose clamp**

**NOTE:** Routing of hydraulic hoses, wires, and throttle cables.

- 23. Remove the four M10 x 1.25 HHCS and the lower handlebars.**
- 24. Lift the steering stem nut cover and disconnect the turn signal cancel unit connector.**
- 25. Loosen the two M8 x 1.25 fork pinch bolts.**
- 26. Loosen the four M10 x 1.25 pinch bolts and remove both fork tube assemblies.**
- 27. Remove the M24 x 1.0 flange nut and the upper triple clamp.**
- 28. Straighten the two locking tabs.**
- 29. Remove the M26 x 1.0 special jam nut and locking tab.**
- 30. Remove the M26 x 1.0 special adjusting nut and lower the lower triple clamp.**
- 31. Remove the two M5 x .8 Phillips screws from the wind protector and remove wind protector.**
- 32. Remove lower triple clamp.**
- 33. Remove the two M6 x 1.0 HHCS and the brake hose bracket.**

34. Remove the upper inner race, bearing, and seal.
35. Using a **Honda Bearing Installation/Removal tool**, remove the upper and lower outer races. (refer to p. 13-41 in the Honda Service Manual)

### **Fork Extension Installation:**

**Caution:** The fork spring cap is under spring pressure; use care when removing it.

1. Remove the fork spring cap on the left fork tube assembly and discard cap.
2. Install CSC Fork Extension.
3. Reassemble in reverse order.
4. Unscrew the fork spring cap on the right fork tube assembly.
5. Loosen the jam nut on the cartridge tube and remove and discard the fork spring cap.
6. Install CSC Fork Extension.
7. Reassemble in reverse order.

### **Power Trak Triple Clamp Installation:**

1. Install the new upper and lower outer races using a **Honda Bearing Installation/Removal tool**.
2. Install the new brake hose bracket with the two original M6 x 1.0 HHCS onto the new lower triple clamp.
3. Apply grease to the upper and lower bearings and races.
4. Raise the lower triple clamp assembly into the steering head.
5. Install wind protector and two M5 x .8 Phillips screws
6. Raise lower triple clamp into position.
7. Install the upper bearing, race and dust seal.

8. Lubricate the steering bearing adjustment nut threads with engine oil.
9. Install the steering bearing adjustment nut. Torque to **35 FT-LBS. CHECK TORQUE EVERY 30,000 MILES.**
10. Turn the lower clamp assembly lock to lock a minimum of four times.
11. Loosen the steering bearing adjustment nut and re-torque to specification.
12. Repeat step 10 until the nut doesn't take torque.
13. Install the lock washer with the bent tabs pointing downward into the grooves of the steering bearing adjusting nut.
14. Install and finger tighten the steering bearing jam nut.
15. Align the grooves in the jam nut with the locking tabs; bend the locking tabs into the grooves.
16. Install upper triple clamp and finger tighten the M24 x 1.0 flange nut.
17. Slide both fork tubes up and make them flush with the back of the top triple clamp.
18. Install throttle cable guide on right fork pinch bolt.
19. Torque the two M8 x 1.25 fork pinch bolts to **16 FT-LBS.**
20. Torque the M24 x 1.0 flange nut to **80 FT-LBS.**
21. Slide the turn signal cancel unit wire into the steering stem and reconnect the wire disconnected in section 1 - step 22.
22. Install the two M5 x .8 Phillips screws into the turn signal cancel unit.
23. Install the M5 x .8 x 60 Phillips screw and flat washer through the OEM spacer then the CSC spacer and tighten.
24. Torque the four M10 x 1.25 lower pinch bolts to **44 FT-LBS.**

- 25. Finish the reassembly process in reverse order of the disassembly instructions in section 1.**
- 26. Check for full travel from lock to lock with no interference.**
- 27. Check to make sure steering locks function properly.**
- 28. Plunge suspension up and down to make sure there is no interference.**
- 29. Check to make sure the turn signals work and cancel.**

**From all of us at California Sidecar.  
Enjoy the ride!**