

# 2012 DRIVESHAFT

## RETRO



- KIT-28581 2012 Driveshaft Retro Kit Alumn Fixed Control Arms, 2001-2005 Bike
- KIT-24135 2012 Driveshaft Retro Kit Alumn Fixed Control Arms, 2006-2012 Bike
- KIT-69207 2012 Driveshaft Retro Kit Steel Adjustable Control Arms, 2001-2005 Bike
- KIT-82073 2012 Driveshaft Retro Kit Steel Adjustable Control Arms, 2006-2012 Bike
- KIT-14451 2012 Driveshaft Retro ABS Kit, All Models

- 1 – Driveshaft Asm. 2001-2005 Bike (DVL-16067)
- 1 – Driveshaft Asm. 2006-2012 Bike (DVL-80836)
- 1 – U-Bolts Rear Yoke (DVL-12056)
- 1 – 1 OZ. Tube of Black Grease (DVL-0012-12)
- 1 – Yoke, Pinion Shaft (DVL-16935)
- 1 – Seal, Pinion Shaft (DVL-94751)
- 1 – Nut, Pinion Shaft (DVL-67639)
- 1 – Hardware Kit, Cobra Mounts (FST-90196)
- 1 – Lower Tray 2001-2009 Steel Adjustable Control Arms (SUP-60373)
- 1 – Lower Tray 2010-2012 Alumn Fixed Control Arms (SUP-0079)
  - 4 – 3/8 – 16 x 2 SHCS (FST-66454)
  - 4 – 3/8 – 16 Nyloc Nut (FST-37079)
  - 8 – 3/8 Flat Washer (FST-10992)
  - 10– 1/4 – 20 x 5/8 SHCS (FST-55311)
- 1 – Gravel Guard, GL1800 (FRM-88943)
  - 4 – 3/4 Cushion Clamp (FST-62697)
  - 4 – 1/4 – 20 x 5/8 HHCS (FST-26375)
  - 4 – 1/4 – 20 Nyloc Nut (FST-33129)
  - 8 – 1/4 Flat Washer (FST-77076)

### ABS BRAKE KIT

- 1 – Mount ABS Sensor (ABS-89037)
- 1 – Ring, ABS Trigger (ABS-76318)
- 1 – Girdle, U-Joint (ABS-43376)
- 1 – Spacer, ABS Trigger (ABS-27027)
- 4 – 5/16 – 18 x 2 3/8 SHCS (FST-15195)
- 3 – 5/16 – 18 x 1/2 BHSCS (FST-63996)
- 4 – 5/16 Nyloc Nut (FST-72212)
- 2 – 1/4 – 20 x 5/8 BHSCS (FST-96899)
- 2 – 1/4 – 20 Thin Nyloc Nut (FST-70673)

**ALL ORDERS ARE DOUBLE  
CHECKED TO ELIMINATE  
SHIPPING ERRORS.**

FILLED BY: \_\_\_\_\_

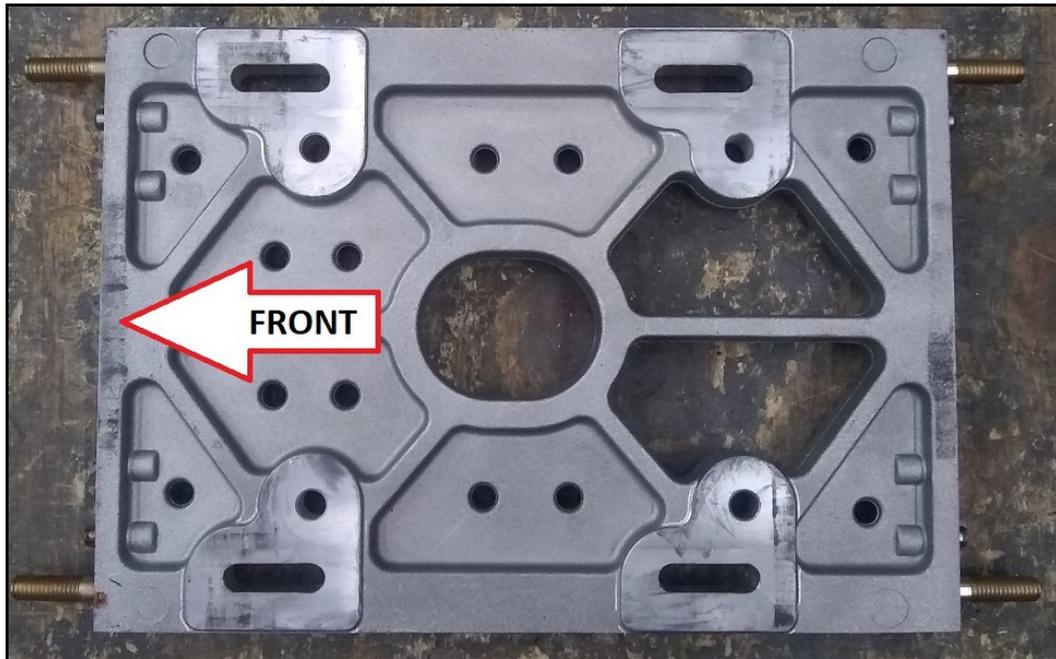
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## **Installation of Driveshaft Retro Kit:**

- 1. Drain the rear differential gear oil.**
- 2. Remove the seat, side covers, tour box, exhaust, wheels, saddlebag/trunk stay and the body.**
- 3. Remove the upper stabilizer mount.**
- 4. Remove the 2 shock bolts and set the shock forward onto the motorcycle frame.**
- 5. Remove the brake caliper mounting HHCS and place the calipers and lines forward onto the motorcycle frame as well.**
- 6. Remove the 2 SHCS from the brake line distribution block and leave to hang.**
- 7. Remove the 2 HHCS from the intermediate mount and the 2 nyloc nuts from the sub frame.**
- 8. Remove the trike kit suspension from the motorcycle frame.**
- 9. Remove all old driveshaft parts including inline gearbox if equipped.**
- 10. Remove the rear body frame.**
- 11. Before removing the pinion yoke, spin it 5-6 times and get a feel for the rotational torque required to turn the yoke.**
- 12. Remove the differential pinion yoke and seal.**
- 13. Install new pinion shaft seal and front yoke. Use sealant on the back of the yoke and nut in order to seal the pinion shaft splines.**
- 14. Tighten the yoke with an impact wrench until the nut just contacts the yoke. Spin the yoke, note that it will spin too easily. Continue tightening the nut a little bit at a time until you get the same rotational**

torque that was present before disassembly (20-30in-lb).

15. Remove the rear plate of the suspension box 7 SHCS and the 3 SHCS for the front of the lower tray.
16. Remove the lower control arm pivot pins or shafts depending on the different suspensions.
17. Suspend the differential and remove the 4 HHCS from the housing then remove the lower tray.
18. Installing new slotted lower tray.



19. Slots that are close to the edge go to the front of the trike kit, the windows go to the rear as shown.
20. Install with 3 new SHCS to the front plate then install the rear plate and 7 new SHCS.
21. Loosely install the 4 SHCS with 4 flat washers from underneath going thru the lower tray then into the diff housing with a flat washer and nyloc nut.

22. Pull the diff rearward and leave loose.
23. You will need to grind clearance on the right subframe spud in order for driveshaft installation.
24. Grind a bevel on the top and bottom of the spud.
25. Install the gravel guard onto the subframe.
26. Reinstall the rear suspension using new hardware.
27. Reinstall shock, calipers and upper stabilizer mount.
28. Refer to trike installation instructions on our website for driveshaft and continued reinstallation of the removed parts.

[www.californiasidecar.com](http://www.californiasidecar.com)

Once at our home page click product then support and then the trike model your working on.

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



**(this photo may not represent the parts you received)**