

2012 COBRA DRIVESHAFT RETRO UPGRADE



- ☐ 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

- ☐ 1 – Driveshaft Asm. 2001-2005 Bike (DVL-16067)
- ☐ 1 – Driveshaft Asm. 2006-2012 Bike (DVL-80836)
- ☐ 1 – U-Bolts Rear Yoke (DVL-12056)
- ☐ 1 – Lower Tray 2001-2009 Steel Adjustable Control Arms (SUP-60373)
- ☐ 1 – Lower Tray 2010-2012 Aluminum Fixed Control Arms (SUP-0079)
- ☐ 1 – Yoke, Pinion Shaft (DVL-16935)
- ☐ 1 – Seal, Pinion Shaft (DVL-94751)
- ☐ 1 – Gravel Guard, GL1800 (FRM-88943)
- ☐ 1 – 1 OZ. Tube of Black Grease (DVL-0012-12)
- ☐ 1 – Hardware Bag, Driveshaft Retro, A (HWB-43642)
- ☐ 1 – Hardware Bag, Driveshaft Retro, B (HWB-90196)
- ☐ 1 – Hardware Bag, Gravel Pan (HWB-16072)

ABS BRAKE KIT (Add if trike is ABS equipped)

- ☐ 1 – Hardware Bag, ABS Equipped (HWB-60350)

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

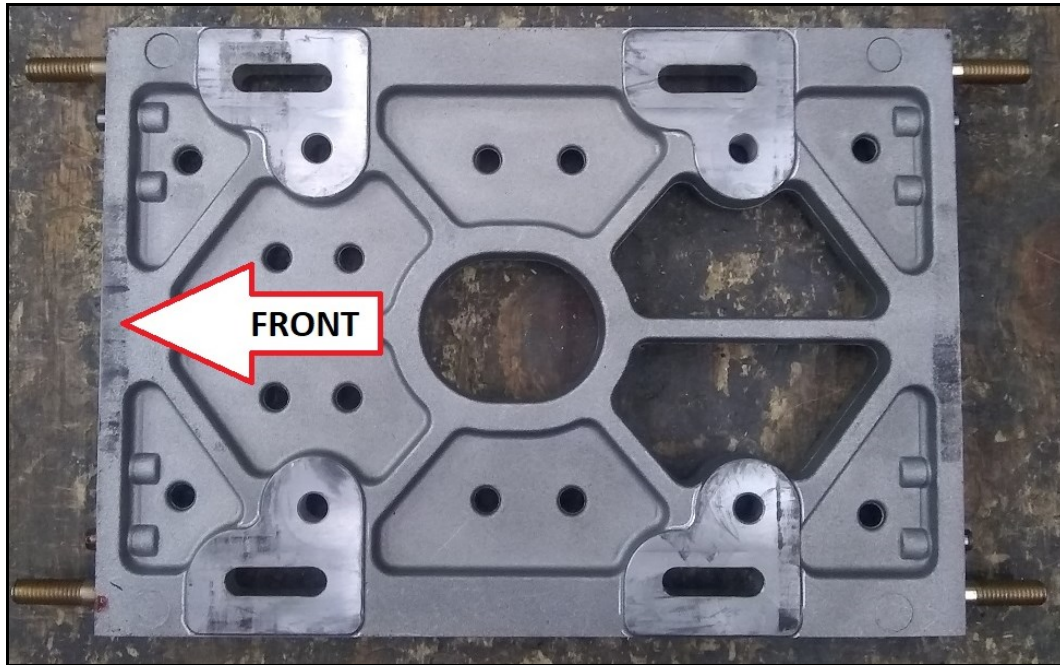
FILLED BY: _____

CHECKED & PACKED BY: _____

Installation of Driveshaft Retro Kit:

1. Drain the rear differential gear oil.
2. Remove the seat, side covers, tour box, exhaust (tail pipes and mufflers), 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 screws and place the calipers and lines forward onto the motorcycle frame as well. No need to disconnect the brake lines.
6. Remove the mounting screws from the brake line distribution block and leave to hang. No need to disconnect brake lines.
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 differential 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 while holding the yoke 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 (20-30 in-lb).
15. Remove the rear support plate of the suspension box 7 SHCS.
16. Remove the lower suspension control arms inner pivots. Leave connected to wheel hub.

17. Suspend the differential and remove the 4 bolts from the diff housing and three SHCS in front of tray and 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. (see photo)
20. Install tray with 3 new SHCS to the front support plate.
21. Reinstall lower control arms if equipped with tubular steel control arms.
22. Reinstall rear support plate and 7 new SHCS.
23. Loosely install the 4 flange head bolts with 4 thick flat washers from underneath going thru the lower tray then into the diff housing with a flange nyloc nut on top.
24. Pull the diff rearward and leave loose.
25. You will need to grind clearance on the right subframe spud in order for driveshaft installation and rotational clearance.
26. Grind a bevel on the top and bottom of the spud. Check driveshaft clearance and repeat if necessary.
27. Reinstall the rear suspension using new hardware.

28. Install the gravel guard onto the subframe using new hardware.
29. Reinstall lower control arms if equipped with aluminum arms.
Use new c-clips.
30. Reinstall shock, calipers and upper stabilizer mount.
31. Refer to trike installation instructions on the CSC website for final assembly and component installation including driveshaft and remaining parts.

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!



(photo may not exactly represent the parts you received)