



Ground Effects
Installation Instructions
Revised 1 - 10

- 2 - Front mount clamp
 - 2 - 3/8-16 x 1 ¼ hex head cap screw
 - 2 - 3/8 flat washer
- 2 - Lower front mount (1 left / 1 right)
 - 4 - ¼-20 x 1 hex head cap screw
 - 4 - ¼-20 nyloc nut
 - 4 - ¼ flat washer
 - 4 - ¼ x 1 ¼ fender washer
- 4 - Locking plates
 - 2 - 3/8-16 x 1 ¼ hex head cap screw
 - 2 - 3/8-16 nyloc nut
 - 4 - 3/8 flat washer
- 4 - 5/16-18 x 1 hex head cap screw
- 4 - 5/16-18 nyloc nut
- 8 - 5/16 fender washer
- 1 - Wiring harness
- 6 - butt connector
- 3 - Scotch-lok
- 1 - Fuse, 10 amp
- 1 - Ground Wiring harness
- 2 - Rubber fender strips

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

FILLED BY: _____

CHECKED/PACKED BY: _____

FOR INSTALLATION ASSISTANCE, CALL PARTS & SERVICE @ 434.263.8866

IMPORTANT

The California Sidecar *Ground Effects* are designed to fit the California Sidecar Sport Trike Conversion Kit only. They are **NOT** intended to support the standing weight of the rider or the passenger.

The *Ground Effects* are designed and intended to **ONLY ACCOMMODATE THE STOCK HONDA (GL 1500) RIDER FOOTPEGS.**

Wiring Installation:

1. Remove the four M8x1.25 socket head cap screws from the seat and remove the passenger handles and seat.
2. Remove both rear side covers.
3. Place the three relays of the ***Ground Effects*** wiring harness just above the frame cross member.
4. Route the long orange and blue wires and the separate white wire to the bikes harness. Refer to Fig 1.
5. Connect the orange wire to orange wire with white tracer using a scotch-lok connector. Connect the blue wire to light blue wire with white tracer using a scotch-lok connector. Connect the brown wire with white tracer to the brown wire with white tracer using a scotch-lok connector.
6. Route the RED wire with small eyelet to the positive side of the accessory terminal in the fuse box.
7. Route the WHITE wire with eyelet to the motorcycle frame. Refer to picture.
8. Route the orange and white wires and one of the separate black wires between fuel tank and fender on left side.
9. Route the blue and white wires and one of the separate black wires between fuel tank and fender on right side.

Ground Effects Installation:

1. Remove center stand.
 2. With side stand in the up position, remove side stand switch, and secure the switch in the “up” position with a cable-tie to prevent it from rotating.
 3. Secure the wiring and switch away from moving parts.
 4. Remove the side stand.
 5. **Front mounts – (left & right)**
 - a. Install clamp on rear tube of engine guard, with weld nut facing forward.
 - b. Tighten four 6mm button head cap screws.
 - c. Compress clamp flats with pliers allowing enough gap to insert lower front mount with foot facing outward.
 - d. Align holes and install 3/8-16 x 1 1/4 hex head cap screw. Do not tighten.
 6. Lay **Ground Effects** into place aligning to fender ensuring that the rear mating edge is level and the fiberglass bracket is contoured to the fender. Clamp bracket to fender (Vise-Grip®6-sp works well).
- Note:** In order to achieve optimum fit, you may find it necessary to grind slightly where the **Ground Effects** meet the fender.
7. Adjust front of **Ground Effects** so there is 1/4” or less gap between **Ground Effects** edge and lower cowl.
 8. Holding this position, mark location of two lower front mount holes to the **Ground Effects**.
 9. Remove clamp at rear and remove **Ground Effects**.
 10. Drill two 1/4 “ holes at marked location.
 11. Remove lower front mount from clamp and attach to **Ground Effects** (foot facing outward) with two 1/4 -20 x 1 hex head cap

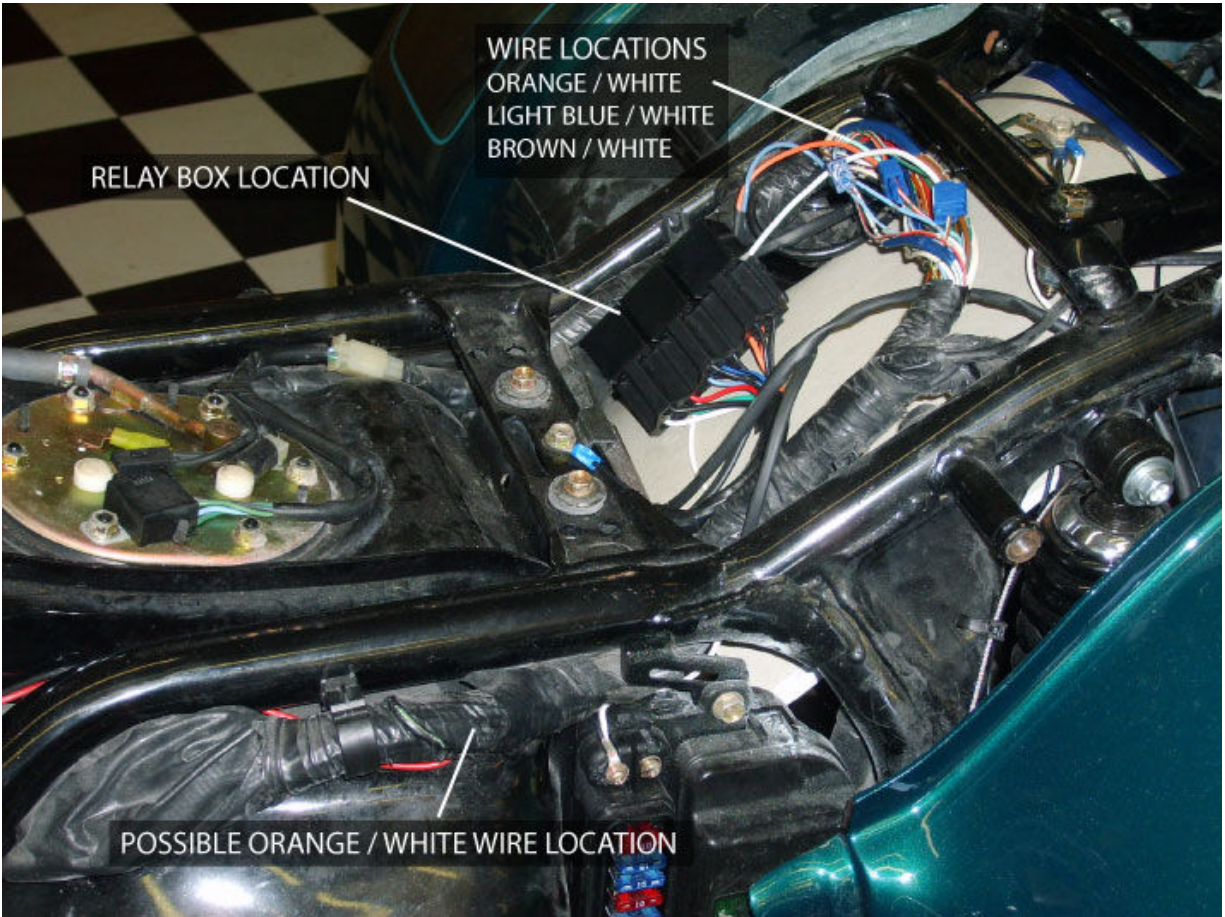
screws with $\frac{1}{4}$ washers. Use $\frac{1}{4} \times 1 \frac{1}{4}$ fender washers and $\frac{1}{4}$ -20 nyloc nuts on the underside.

12. Using super glue affix rubber strips to rear of the **Ground Effect** where they meet the fender.
13. Place **Ground Effect** in position and clamp rear to fender as in step 3.
14. Insert lower front mount between flats of clamp and install $\frac{3}{8}$ -16 x $1 \frac{1}{4}$ hex head cap screw and $\frac{3}{8}$ washer. Adjust **Ground Effect** location as in step 4, and tighten.
15. Install one locking plate on each side of the front mount (front and back), with a $\frac{3}{8}$ -16 x $1 \frac{1}{4}$ hex head cap screw, two $\frac{3}{8}$ flat washers and $\frac{3}{8}$ nyloc nut.
16. **Rear mounts**
 - a. With clamp still in place, drill two $\frac{5}{16}$ " holes 2" up from bottom edge of fender ensuring holes go through fiberglass bracket approximately 1" from each side of bracket.
 - b. Install two $\frac{5}{16}$ -18 x 1 hex head cap screws, pointing forward, with the bolt head on the inside of the trike body fender well. **DO NOT INSTALL the bolt with the threads inside the fender well.** Secure with $\frac{5}{16}$ fender washers and $\frac{5}{16}$ -18 nyloc nuts. Do not over tighten. Remove clamp.
17. Drill a $\frac{3}{16}$ " hole on each side of the trike body, above the mufflers but underneath the **Ground Effect**, to run the wiring harness with relays through.
18. Connect the left **Ground Effect** wiring harness to the installed wiring harness. The white wire to the white wire, the orange wire with black tracer to the orange wire and the black wire to the black wire with butt connectors.

19. Connect the right ***Ground Effect*** wiring harness to the installed wiring harness. The white wire to the white wire, the blue wire with black tracer to the blue wire and the black wire to the black wire with butt connectors.
20. Change the 5 amp (yellow) Accessory fuse to a 10 amp (red) fuse.
21. Test the cornering lights to ensure that the lights operate with the appropriate turn signal, and the light remains illuminated until the turn signal is cancelled. The rear lights are running lights.

**FROM ALL OF US AT CALIFORNIA SIDECAR.
ENJOY THE RIDE.**

FIG 1



FRONT MOUNTS

LEFT SIDE

RIGHT SIDE

