



KAWASAKI 1700

Vulcan Voyager

Vulcan Vaquero

Vulcan Nomad

Ground Effects Installation Instructions

REVISED 1 - 2015

**California Sidecar Parts & Technical Support
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IMPORTANT

The California Sidecar *Ground Effects* are designed to fit the California Sidecar Kruze Trike Conversion Kit only.

Wiring Installation:

- 1. Remove the passenger seat with the key, then remove the drivers seat.**
- 2. Plug the four pin GRD EFX harness into the four pin connector at the body connectors.**
- 3. Secure the GRD EFX box to the motorcycle frame.**
- 4. Route the purple and black wires to the left side and the brown and black wires to the right side.**
- 5. Replace the seats.**

Ground Effects Mount Installation:

- 1. Remove the rear cylinder heat shield and both passenger floorboards.**
- 2. Remove Gravel Pan.**
- 3. Remove the rear fastener on the drivers floorboard.**
- 4. Install the GRD EFX Mount and secure with the OEM floorboard fasteners. Both driver and passenger**
- 5. Reinstall heat shield and Gravel Pan.**

Fitting the Ground Effects:

- 1. Lay *Ground Effects* into place aligning to the fender ensuring that the rear mating edge is level and the contoured fiberglass bracket is to the fender. Clamp bracket to fender (Vise-Grip®6-sp works well).**

2. Adjust front of **Ground Effects** so there is a minimal gap between **Ground Effects** edge and crash bar.

Note: In order to achieve optimum fit, you may find it necessary to grind slightly where the **Ground Effects** meet the motorcycle or trike kit body.

3. With the **Ground Effects** clamped in place.
4. Drill two 5/16 holes through the trike kit fender and the **Ground Effects** foot.
5. Insert, from the wheel well forward two 5/16 HHCS with fender washers. And secure with fender washers and nyloc nuts.
6. Pull up the rubber mat where you are about to drill.
7. Using a 1/4 drill bit with an angle drill, drill up though the **Ground Effect** using the mount as a guide.
8. Install two 1/4-20 elevator bolts into the drilled holes and secure with nyloc nuts and washers.
9. Reglue the rubber mats.

Finish Wiring:

1. Drill a 5/16" hole on each side of the trike body, above the mufflers but underneath the **Ground Effect**, to run the wiring harness through.
2. Connect the left **Ground Effect** wiring harness to the installed wiring harness. The black wire to the black wire, and the purple wire to the purple wire with butt connectors.
3. Connect the right **Ground Effect** wiring harness to the installed wiring harness. The black wire to the black wire,

and the brown wire to the brown wire with butt connectors.

4. 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.

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ENJOY THE RIDE.