

## Randakk's Honda GL1000 Condenser Ground Upgrade Mounting Instructions

**Note: All left / right descriptions are from the point of view of the rider when seated on the bike in the riding position.**

**Note: the condenser upgrade cable supplied will have a black cover to make it inconspicuous enough for a concours show bike. The example shown has a red cover to highlight the correct location and routing.**

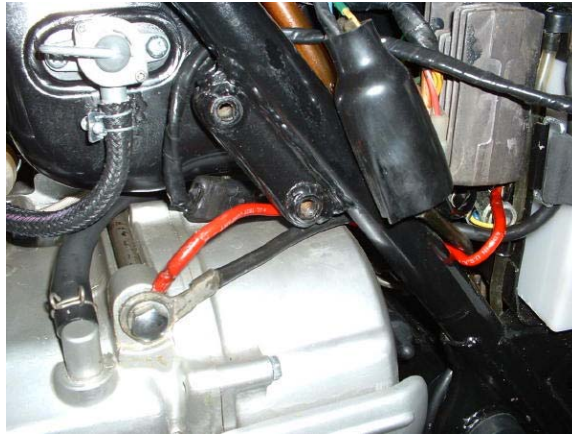
1. Place the bike on the center stand.
2. Remove the left side cover.
3. Loosen the rear engine mounting bolt. This is a long bolt that passes through both rear engine hangers. If mounted correctly, the nut, washer and lock washer should be on the right side of the bike. Yours may be reversed.
4. Loosen and remove the 2 bolts which attach the left rear upper engine hanger.
5. The main battery ground cable attachment point to the chassis is now revealed.
6. Clean the main battery ground cable ring connector with medium sandpaper.
7. Likewise, clean any visible corrosion on the frame, engine and engine hanger in the area which contacts the main battery ground cable.
8. Spray PBBlaster or similar penetrant onto the outer condenser attach screw.
9. Using a small ratchet screwdriver as shown, loosen (but do not remove) the outer condenser attach screw. This is a 5mm, Phillips head screw. **Important: use a #2 Phillips bit.** You can buy these very handy Craftsman ratchet screwdrivers at Sears. I've not found a better tool for this particular job.



10. Slide the small spade connector end of Randakk's GL1000 Condenser Ground Upgrade Cable under the outer condenser mounting screw. You should use some of the anti-corrosion product listed in step 14 below.



11. Tighten the outer condenser mounting screw securely.
12. Route the Condenser Ground Upgrade Cable through the frame as shown.



13. Reattach the left engine hanger bracket - loosely. Don't fully tighten the 2 bolts yet.
14. I recommend using one of these 3 products to coat the terminals and prevent corrosion: Dielectric Silicone Compound, Electrical Contact Grease or Kopr Shield Conductive Paste.



15. Thread the rear engine mounting bolt through the left engine hanger, main battery ground cable and Condenser Ground Upgrade Cable in that order. To be clear, the Condenser Ground Upgrade Cable should be mounted inboard of the main battery ground cable (closer to the engine). Also, the offset portion of the terminal shank of the Condenser Ground Upgrade should be oriented as shown for best clearance (away from the engine hanger).



16. "Dress" the 2 cables so that they are both obscured by the lower aspect of the left engine hanger.
17. Tighten the rear left engine hanger. Torque spec = 18 -21 ft-lb.
18. Tighten the long rear engine mounting bolt. Torque spec = 22-29 ft-lb.

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