

Grid Charger Installation for 2000-2006 Honda Insight

Installation

1. Disconnect the 12V front battery positive lead.
2. Remove the rear carpeting and IMA switch cover (2 bolts), blue square, in following picture.
3. Remove the red safety and **switch to the OFF position**. The red safety slips off of the switch.
4. Remove the large IMA battery cover, designated "IMA Battery Cover".



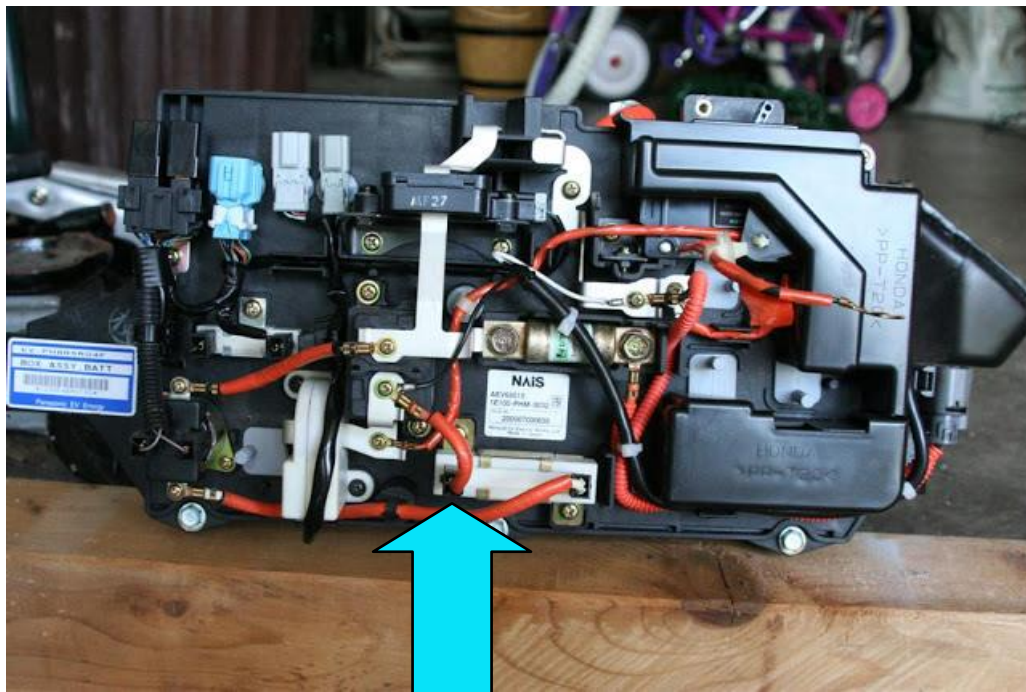
5. Measure across large gauge orange cables with a DVOM and ensure it's less than 10V. Disconnect them if it is, if it isn't contact RBatteries. Also disconnect the gray connector in the background of the picture, blue circle.



6. Looking on the left side of the battery towards the bottom you will see a white box. **The forward most connection is the one we want.** Disconnect the spade connector from the white box. There is a little clip that needs depressed before it will come off, blue circle. Replace the factory one just removed with the included “IMA+” piggy-back connector. Then plug the factory connector into the piggy-back. This picture shows the included piggy-back “IMA+” connector installed with the factory one plugged into it. It should end up looking like this:



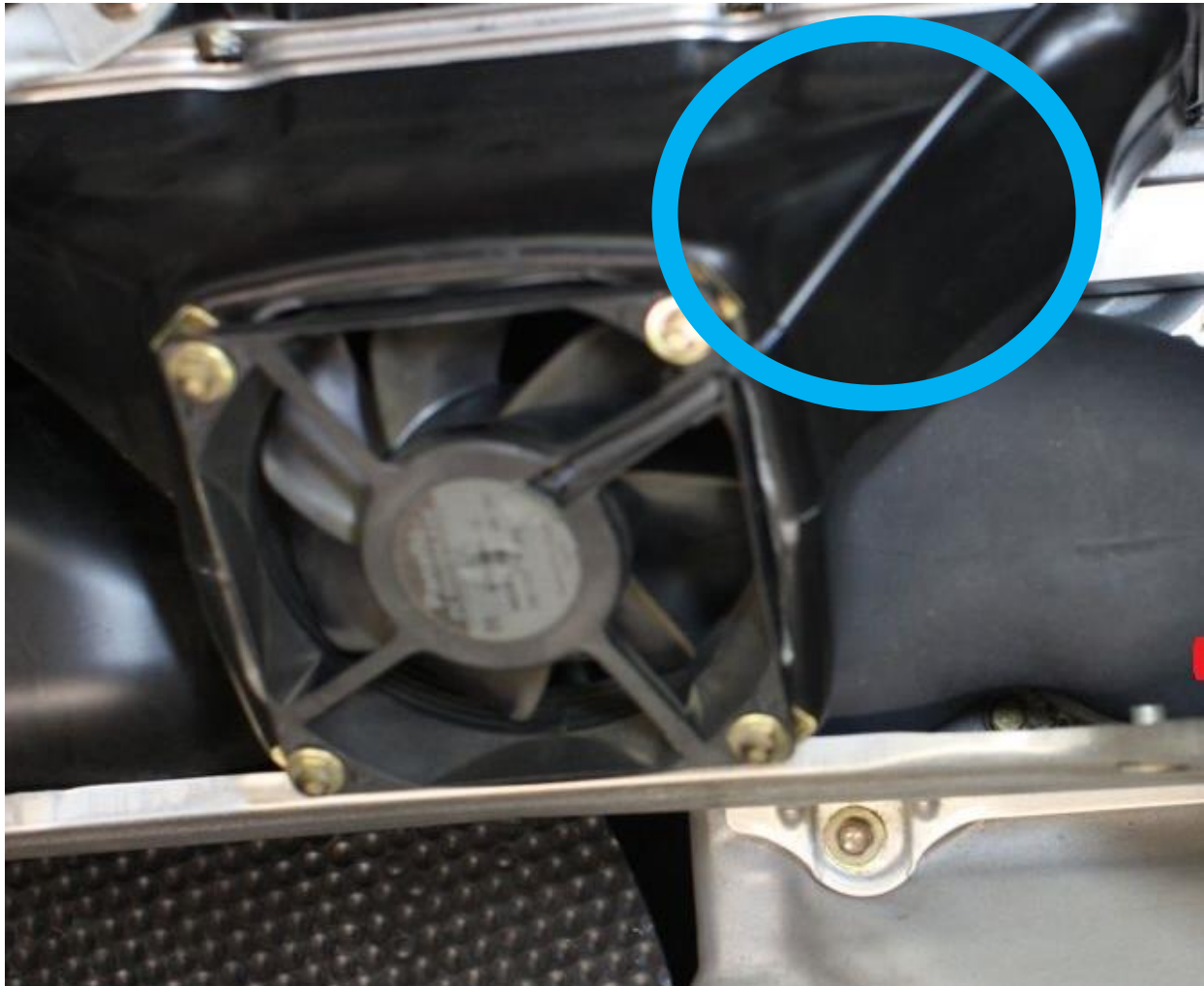
Here is another angle, blue arrow pointing towards the “IMA+” connection. The left side of the picture is towards the front of the car.



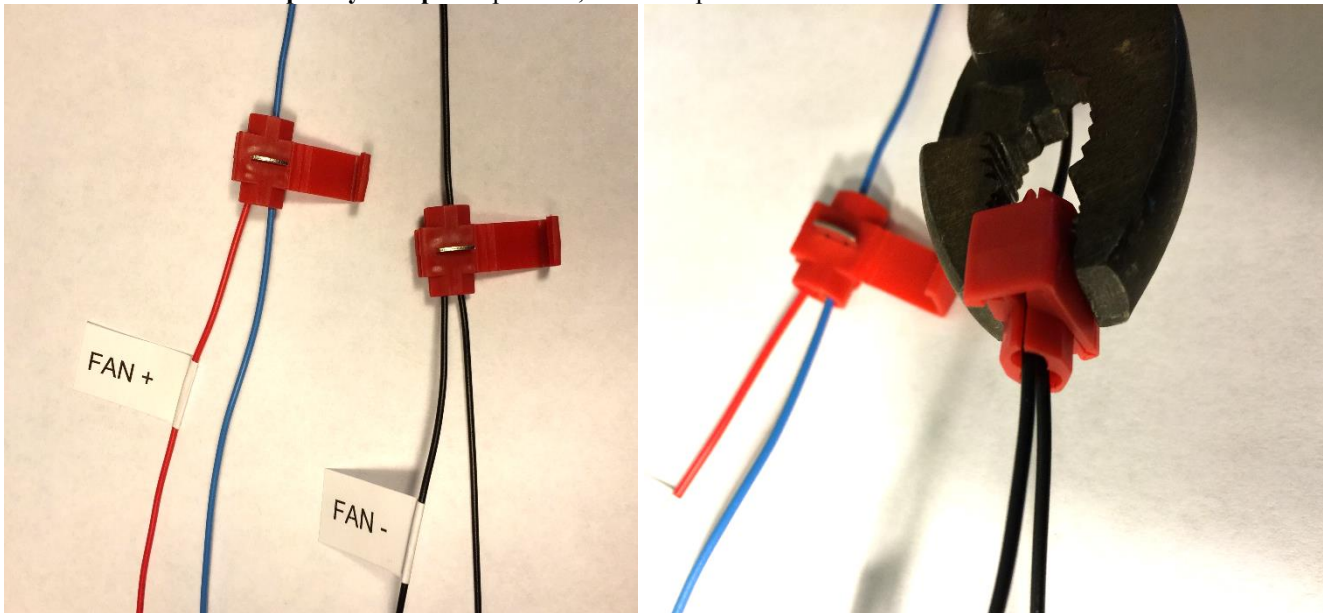
7. Connect the "IMA-" to the negative orange cable you removed in step 5, blue circle below. Reconnect the remaining orange cable and the gray connector all removed in step 5.



8. Cut back the sleeving covering the fan wires, blue circle. Slide the fan wires into the included crimps, "Fan +" to the blue wire and "Fan -" to the black wire.



9. Make sure to **completely crimp** the splice on, use some pliers.



10. A. Plug in the grid charger to the now installed vehicle harness, connect to an AC outlet (and switch on), and ensure the car IMA fan turns on. If the fan doesn't turn on, double check the splices are **crimped all the way on**.
- B. **Simple Charger** - The voltage display will show a really high value of 200V+ (usually 200V-230V).
- C. **CDC Charger** - If you have the CDC charger, go to the Diag page and observe the voltage. It should read less than 10V.
- D. Flip the IMA safety switch on and you should see the voltage go to your pack voltage, 140V-170V typically. If those two things happen, you're good to go! **Flip the IMA safety switch back off**. Remove the AC power from the charger and remove the charger from the vehicle harness.
11. If everything is working, reassemble in reverse, starting at step 7 (remember to flip IMA safety switch ON during step 3).

DANGER HIGH VOLTAGE!!

*****RBBatteries is not responsible for misuse or failure of the products. By installing this device you are accepting any and all responsibility*****

This is enough power to hurt you, be careful! Have questions? Contact me by eBay or RBBatteries@gmail.com.