



Subject: Installation of your MagDrive HHO generator.

To begin we will accept the notion that you already have your MagDrive unit in hand and you are looking for a suitable location to do your installation.

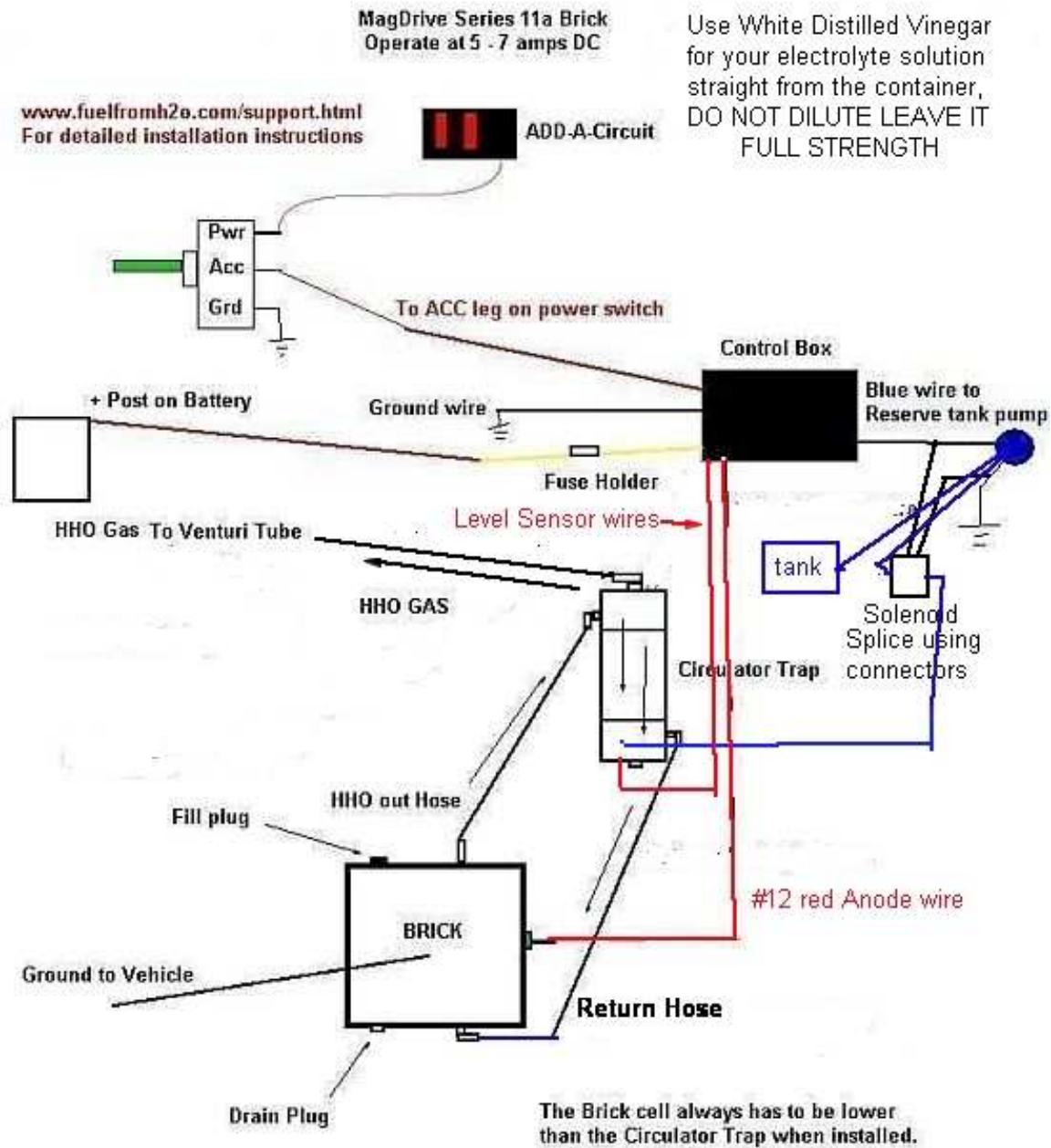
Here is how its done...

- 1, Most suitable location is between the radiator and front grill.
 - 2, If not possible install under the hood for all Series11a &12a units.
 - 3, Remember to keep the unit away from exhaust manifolds.
 - 4, Once your location is found to be suitable we will start.
 - 5, The dimensions on all Series11a & 12a units are 5.625"x5.625"x2"thick.
 - 6, The unit must be installed vertically straight up with brackets on top.
 - 7, We supply the mounting bolts/nuts etc but you may need to make up a mounting bracket from some flat stock steel [Home depot hardware].
 - 8, Make your mounting bracket so you can bolt the unit from the mounting holes in the plates.
- Special Note: The cooler you can keep your MagDrive with air circulation the better it will perform. Heat is your enemy!**
- 9, Now that you have it mounted, we will install the reserve tank.
 - 10, The reserve tank needs to be under the hood for cold weather.
 - 11, Pick a suitable location and mount the tank using the included mounting bracket.
 - 12, Observe the way the unit is laid out in the diagram below.

Part 2 Wiring your MagDrive HHO gen.

- 1, The heavy Black wire usually a #12 gauge wire connects to the vehicle ground.
- 2, The thin Red wire [#14 gauge] on the left of the control box connects to your power switch to the acc connection spade. We will explain that later for the switch wiring.
- 3, The Yellow fuse wire is spliced to the included heavy Red wire [#12 or #10 gauge] in the parts bag and is connected to the + positive post on your vehicle battery.
- 4, The Blue wire on the right side of the control box is connected to your reserve tank pump [the colored wire].

5, The Black wire on the reserve tank pump goes to the vehicles ground.



Part 3 Wiring your Power switch.

- 1, Remember the Red wire from #2 above, that wire gets spliced to the #14 gauge wire we included in the parts bag and is fed through the firewall under the dash.
- 2, Find a suitable location for your Power switch, if dash mounted you will need a 1/2" drill bit to make a mounting hole.

3, Using the spade connectors provided connect that wire you spliced from the HHO gen to the ACC lug of the Power switch [use the middle lug connection its labeled].

4, Using the thin Black wire in the parts bag connect it to the ground lug of the Power switch and then connect the opposite end to a good vehicle ground. Use the crimp connectors provided in the parts bag.

5, Now for the Power lug of the Power switch, you have 3 choices and here they are...

a, Connect the Power switch power lug using the wire provided to a 12 volt 5+ amp power source.

b, Connect the Power switch power lug to a 12 volt 5+ amp circuit that turns on and off with the ignition key.

c, Using an ADD-a-Circuit from your auto parts store, connect the Power switch power lug to the pig tail wire from the ADD-a-Circuit.

6, What is an ADD-a-Circuit?

It's a simple fuse protected add on that turns one fuse position in the vehicles fuse box into a 2 fuse circuit using only one fuse location. They come in 2 sizes, the ATO size for the larger fuses and the Mini size for the smaller fuses. They come with very simple instruction concerning installation. They cost between \$4 - \$7 dollars.

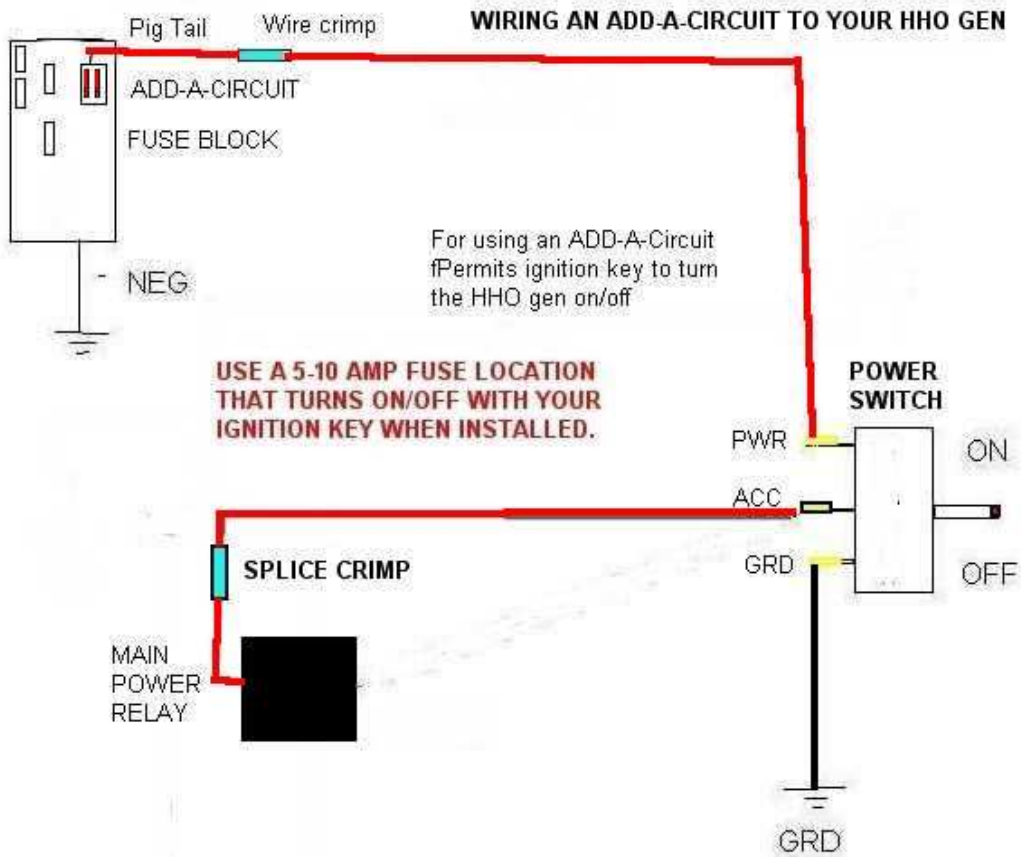
Why do we recommend using the ADD-a-Circuit for your vehicle?

1, It gives you the protection of shutting down the gen with just a turn of the ignition key.

2, It fuse protects your MagDrive HHO gen control circuitry.

3, It gives you the choice of shutting down your HHO gen without shutting off your vehicle for emergency and maintenance operations.

The following illustration shows the correct wiring for an ADD-a-Circuit installation to control the power up of your Magdrive HHO gen...



You have now completed the physical mounting and wiring of your MagDrive HHO generator.