



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.

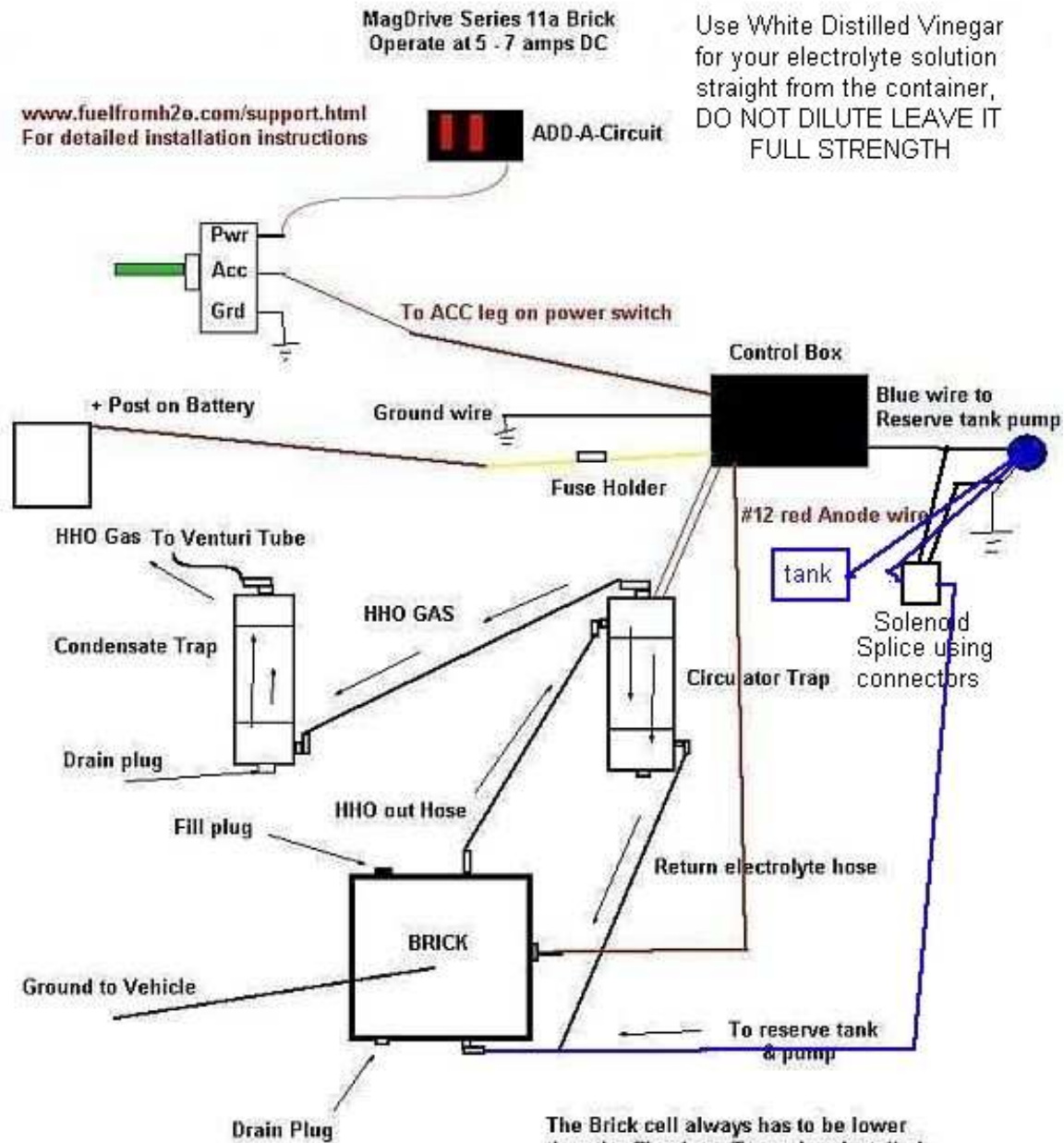
Here is how its done...

- 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 Series11a 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.



**The further apart vertically the better**

**NOTE:** If A-trap/Brick locations cannot be spread apart vertically for proper circulation. Use an HHO Booster pump on the return line from the A-trap back to the bottom of the Brick cell. Pay attention to the flow direction arrow on the HHO pump, point it towards the Brick.

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.

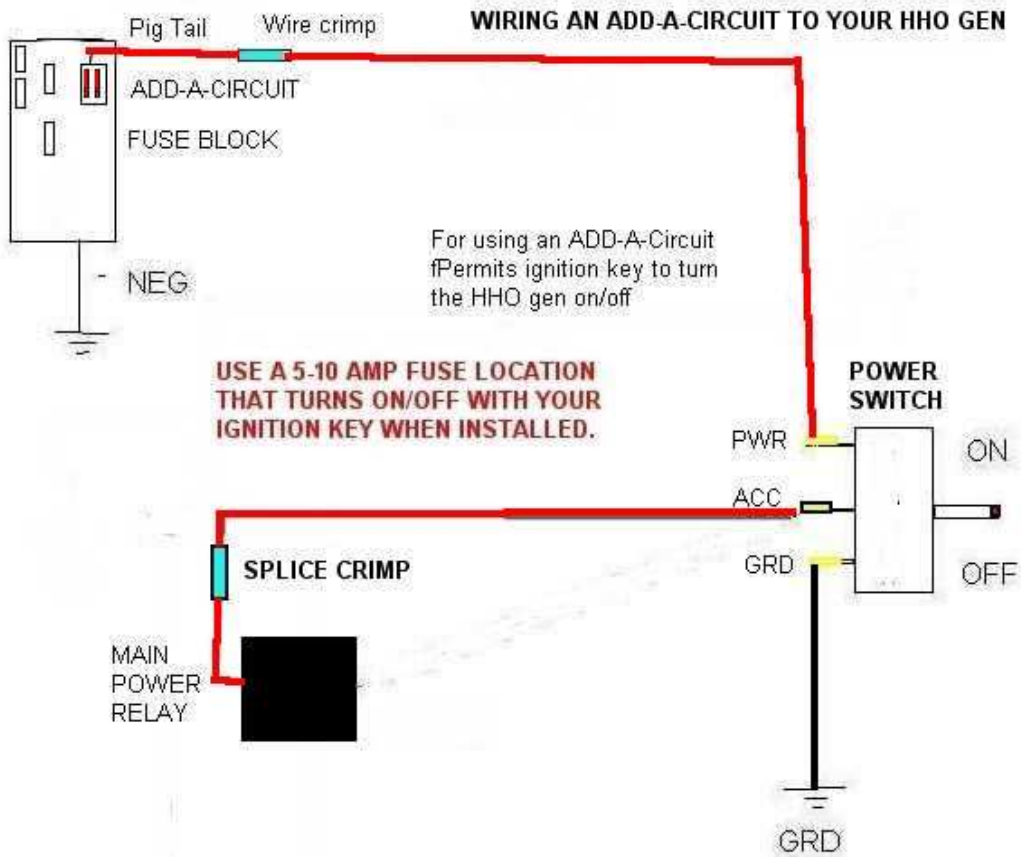
**Why do we recommend using the ADD-a-Circuit for your vehicle?**

**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.