



Subject: HHO Hose Connections Gas Distribution.

Installing a MagDrive HHO unit involves also connecting the HHO gen to the vehicles engine. The benefits aren't there if its connected incorrectly. So lets get started with the HHO piping.

1, In your parts bag you will find several fittings & parts, they are:

a, 1 Auto Circulator trap, and Control box.

b, 1 extra safety flash back valve.

d, 5+ feet of Superthane 3/8" ID tubing.

e, 2 pre-cut Superthane hoses 3/8"ID.

f, Venturi tube parts.

g, assorted bolts, nuts, screws wire, connectors and fittings.

2, Lets start from the HHO gen's installed hoses

A, The superthane hose on top of the Brick goes to the upper 3/8" hose fitting on the side of the Auto-Circulator trap.

B, The lower 3/8" Superthane hose goes to the lower fitting on the side of the Auto- Circulator trap.

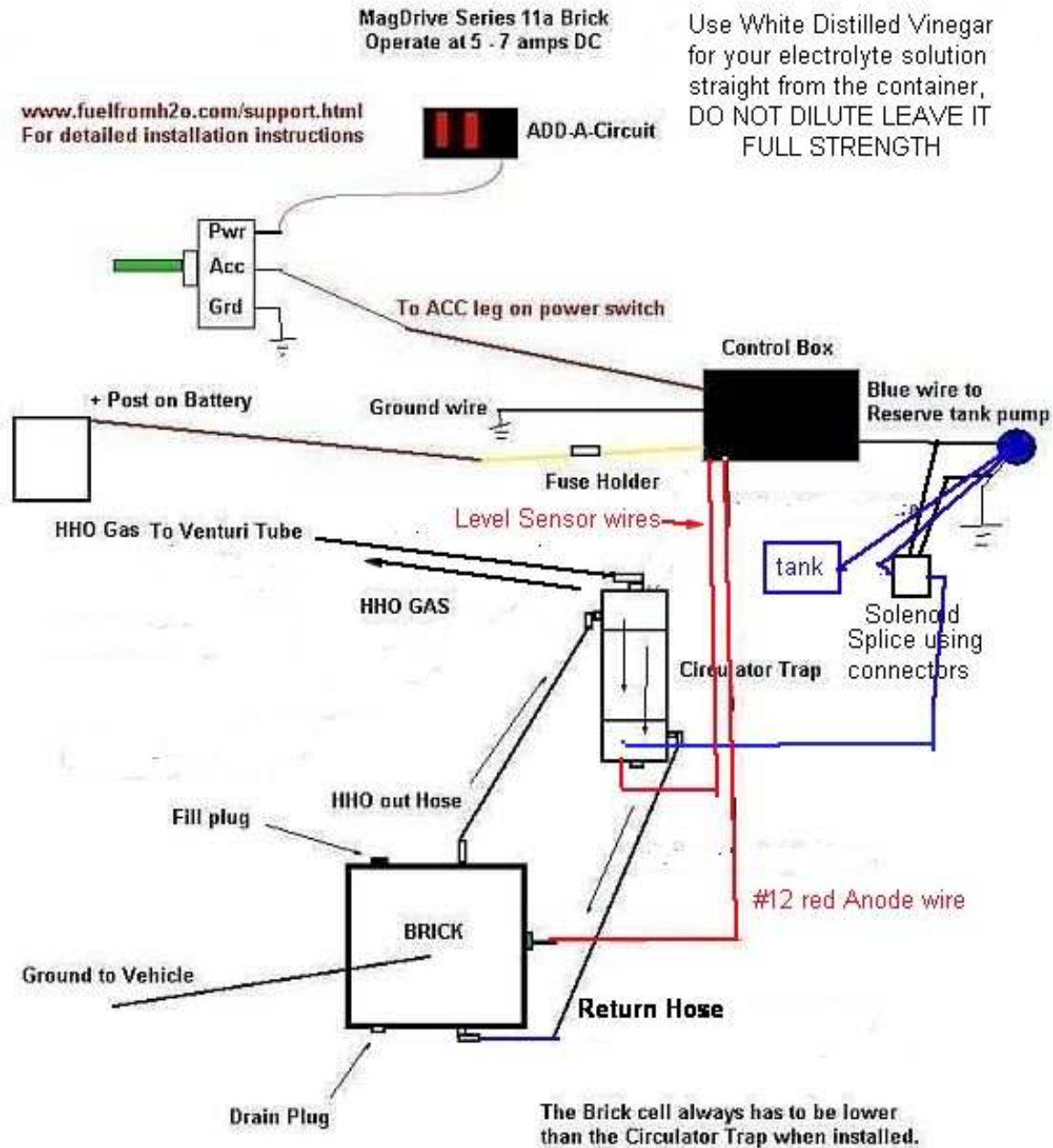
C, The 1/4" hose from the reserve tank connects to the 1/4" fitting at the bottom side 1/4" fitting of the A-Trap.

D, The top 3/8" fitting gets a 5' piece of 3/8" Superthane hose.

E, The 3/8" x 5' Superthane hose leads over to the air filter tube between the air filter and the engines throttlebody.

F, The venturi's goe into the air duct between the air filter and throttlebody. Take note that the end of the venturi must be as close to the throttlebody and past the Maf sensor as possible.

Your overall installation should look like the following illustration.



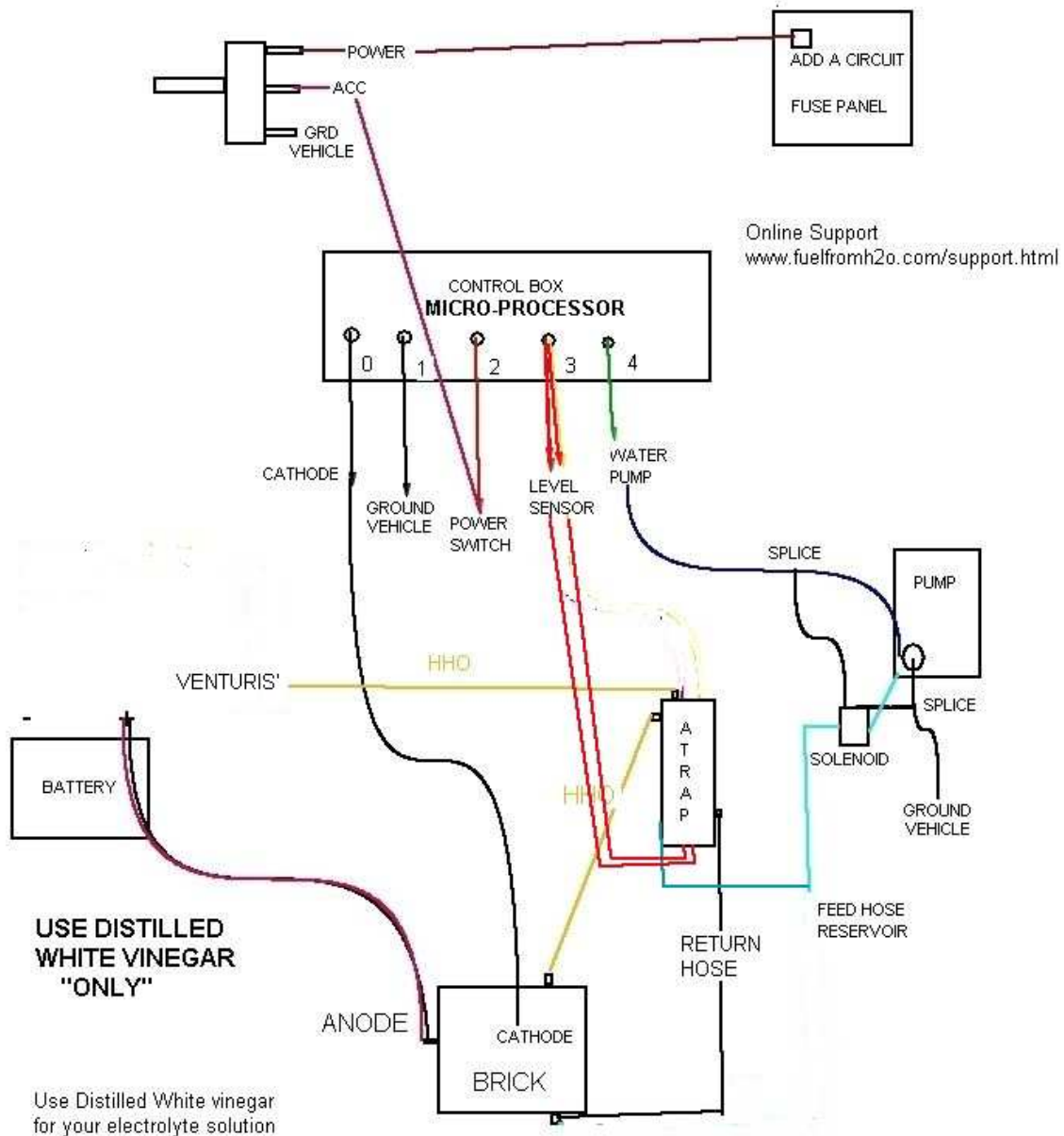
Now on the main hose install the extra flashback check valve from your parts bag. Make sure you install it in the correct flow direction. Blow through the valve, the end where the air comes out goes towards the engine.

That's it you are done with all you need to do to connect or pipe up the HHO gen.

All MagDrive Series 11a & 12a HHO gens come with an automatic Liquid Sensor A-trap included in your installation kit.

MagDrive SERIES 12a INSTALL DIAGRAM

How to wire a Series 12a



SERIES12A MAGDRIVE HHO GEN

How to wire a Series 12a MagDrive Brick...

A, Label #0 connects to the Black Cathode wire with the yellow crimp butt connector. "Note" Make sure that the cathode connection posts DO NOT touch the vehicle and make contact. There is extra #12 black wire in your parts bag.

B, Label #1 on the control box connects to a vehicle ground connection.

C, Label #2, connects to the Acc spade on your power switch. There is extra #18 wire in your parts bag.

D, Label #3 both wires connect to the 2 red wires on the "BOTTOM" of the A-Trap to the level sensor switch. They can be connected either way, no special polarity. There is extra #18 red wire in your parts bag.

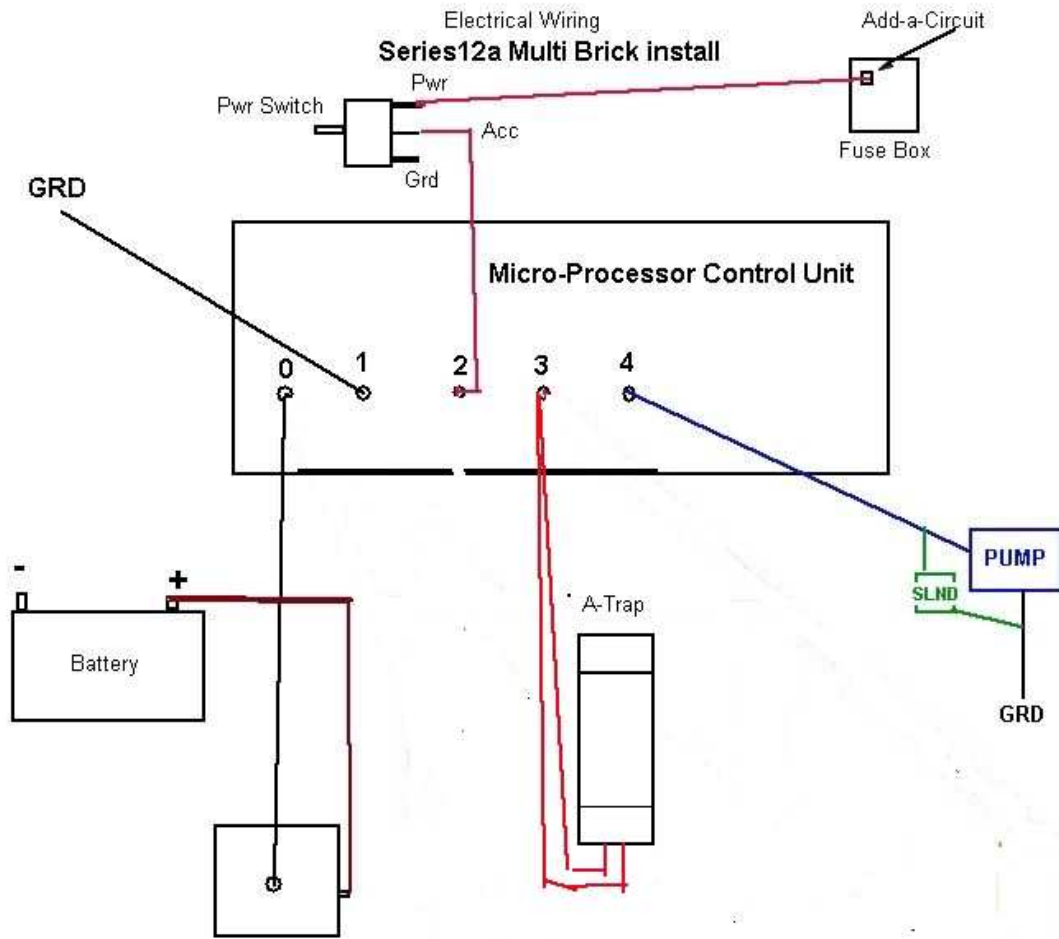
E, Label #4 connects to the reserve tank pump positive connection on the its wire harness [usually blue with red stripe]

G, Connect the red #12 provided wire in the parts bag from the positive post on the battery to the anode post on the cell.

H, To install the reserve tank solenoid. Splice the solenoid into the blue +wire going to the pump and splice the remaining wire to the ground wire that grounds the reserve tank pump. Use the blue splice clamps that are in the bag with the solenoid. Then route the tank hose from tank to the pump to the solenoid and then to the cell. Pay attention to the flow direction arrow on the solenoid.

I, On the power switch you already have Label #3 wire connected to the Acc spade. Now put a ground wire on the ground spade on the switch and ground it to the vehicle.

J, On the Power spade of the power switch connect it to a 12 volt DC power source that turns on and off with the ignition key. We recommend using an Add-a-Circuit that installs in your vehicles fuse box.



Brick Cells are connected together.

- 1 Cell: 6"x6"x2"**
- 2 Cell: 6"x6"x3"**
- 3 Cell: 6"x6"x4"**
- 4 Cell: 6"x6"x5"**

Remember that at no time should the connections on the cell be allowed to come in contact with the vehicle.

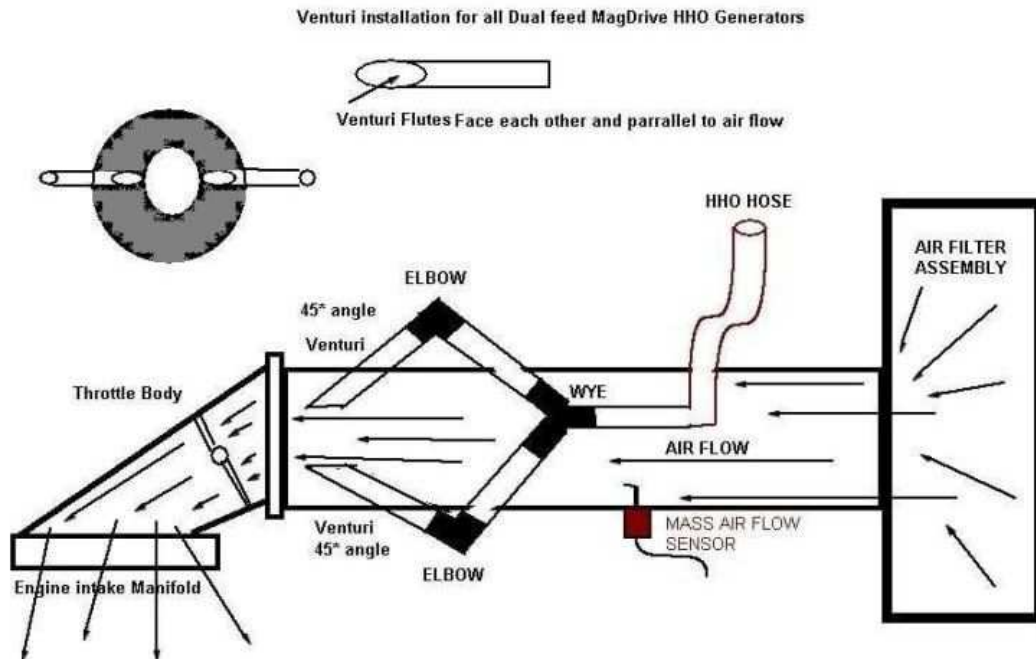
Connecting the HHO hoses 12a Multi-Brick

- 1, The hoses on the Brick Cells are already setup for you.**
- 2, Connect the HHO hose from the top of the Multi-celled unit to the 3/8" fitting on the top side fitting on the A-trap.**

3, Connect the already setup HHO hoses from the Bottom of the Multi-Celled brick to the 3/8" fitting on the lower side of the A-Trap.

4, Connect the Reserve tank/Pump automatic fill hose to the smaller 1/4" fitting on the lower side of the A-trap.

5, Connect the very Top 3/8" fitting next to the A-Trap fill plug to the 5' HHO hose and follow the directions for your Venturi setup installation listed below.



This should conclude the installation instructions for either a Series11a single brick, Series12a single brick and the Series12a Multi-brick installations.

If you have any questions and are in need of support.

Call us here at MagDrive from:

10:am – 10:pm Mon - Sat