HEPA Setup

Instructions to connect the Hall Effect Pedal Assembly (HEPA) to the Hairball 2 with -P option (HEPI, Hall Effect Pedal Input).

The HEPA is a automotive OEM pedal assembly with dual non contact hall effect sensors. The manufacturer name and number have been sanded off. This is our attempt to keep the manufacturer from hearing what they are being used for and cutting off our supply for liability concerns.

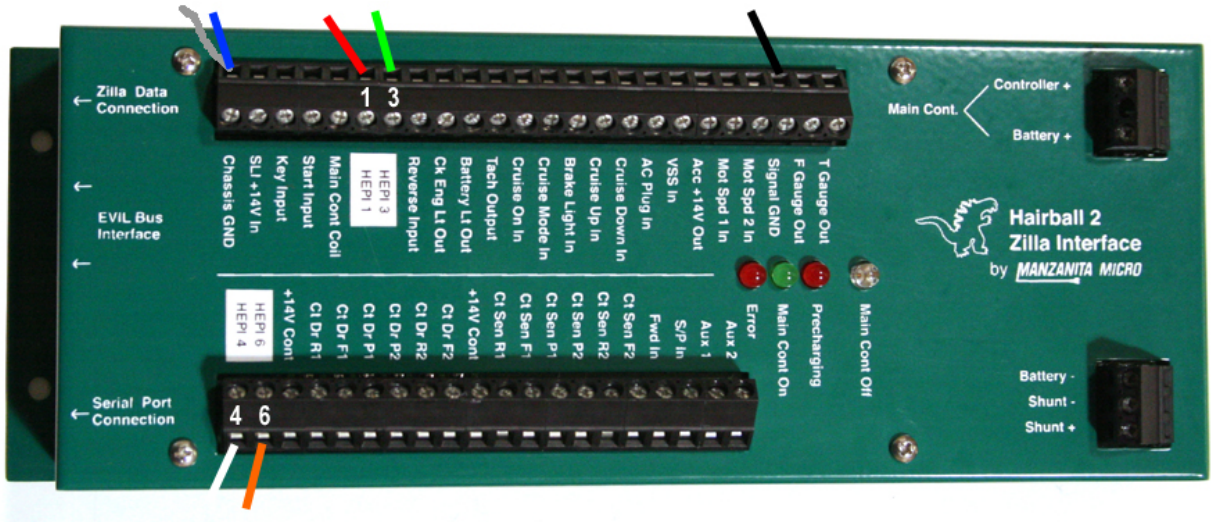
The HEPA only works on Hairballs which have been built with a -P option.
Important! “-P Option” Hairballs can no longer be used with a 5K ohm pot input.

The Hairball 2 must be programmed for the HEPA input. Option “n” must be turned “on” in the options menu for the HEPA to function. Beware that this value will be turned “off” if defaults are reset.

The HEPA has 6 connections. They should be connected using the included 6 lead shielded wire with attached connector.

Since this feature was an afterthought, the wiring to the Hairball is a bit convoluted.
Here is how to connect the HEPA cable to the Hairball HEPI inputs:

Hairball	Cable
HEPI 1	Red
Signal GND	Black
HEPI 3	Green
HEPI 4	White
Chassis GND	Blue
Chassis GND	Bare shield wire (Silver)
HEPI 6	Orange



©2011 Manzanita Micro LLC and Cafe Electric LLC
The information date is: 08/26/2011