

April 24, 2012

Revision: B



### Summary:

Some CMASS HPR pads now include a terminal box used to connect your igniter leads directly to the ignition system (relay). The box is located under the blast deflector to protect the two pairs of terminal posts from heat and exhaust. The terminals provide a more reliable connection than micro clips.

The terminals accept stripped wire or standard banana plugs. The two pairs of terminals are hardwired in parallel. The terminal box is attached to the underside of the blast deflector using a strong magnet.

Bring a pair of wire cutters/strippers with you to the pad. A spool of hookup wire is included if your leads are too short (cut a short length of wire from the spool to extend your leads) . An optional set of micro clips leads are available for use with copperhead igniters.

### Detail Instructions For Direct Wire Connection:

- (1) Locate the grey box under the HPR blast deflector
- (2) REMOVE ALL WIRES that you do not plan to use
- (3) Choose either pair of black/red terminals
- (4) Loosen the black/red terminals by hand (see Figure 1 or Figure 2)
- (5) Strip 0.75 inches of insulation from your igniter leads
- (6) Insert igniter leads around or thru terminal posts (see Figure 1 or Figure 2)
- (7) Tighten the black/red terminals by hand
- (8) Make sure grey box is positioned safely under the blast deflector

### Detail Instructions For Use Of Micro Clips:

- (1) Locate the grey box under the HPR blast deflector
- (2) REMOVE ALL WIRES that you do not plan to use
- (3) Locate the micro clip wire (clips on one end -black/red banana plugs on the other end)
- (4) Plug the black and red banana plugs into to the side terminals (see Figure 2)
- (5) Clean the micro clips
- (6) Attach micro clips to your igniter (copperhead)
- (7) Make sure grey box is positioned safely under the blast deflector

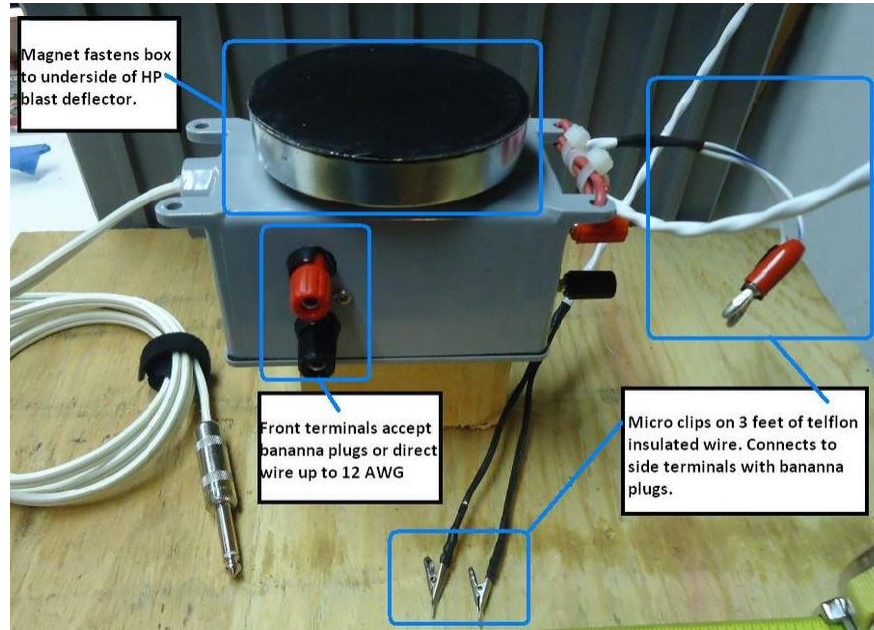


Figure 1 – Grey Terminal Box Front Connections – Direct Wire

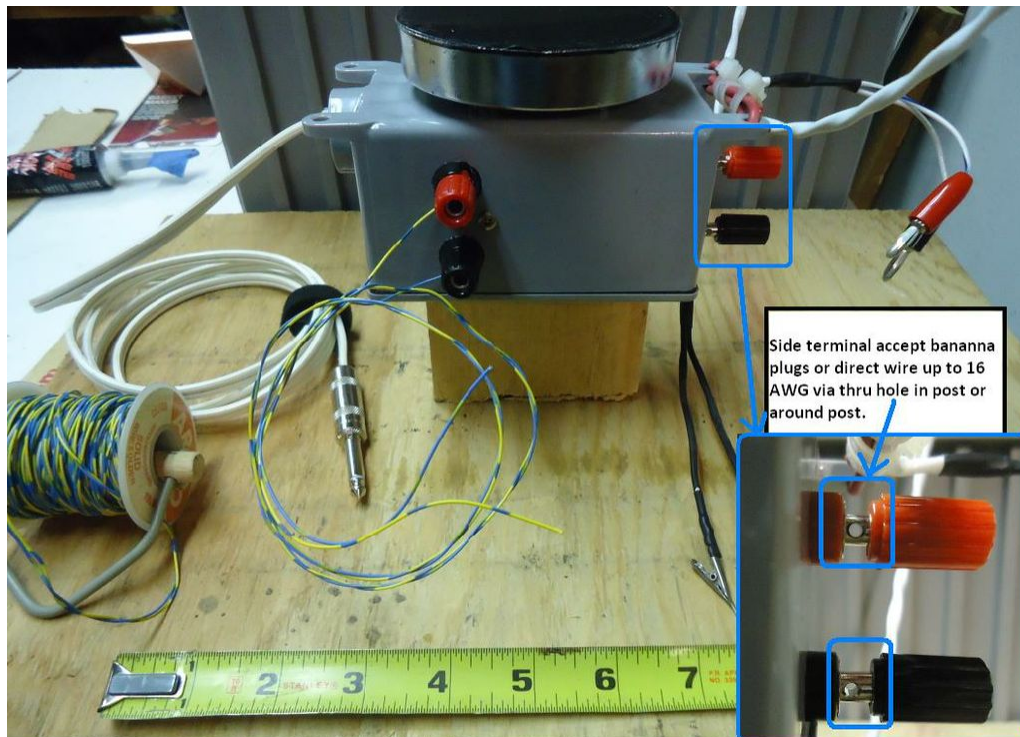


Figure 2 – Grey Terminal Box Side Connections – Direct Wire Or Micro Clips

**More Photos:**

[http://www.dropbox.com/gallery/793632/1/HPR\\_Terminal\\_Box?h=1a8bc6](http://www.dropbox.com/gallery/793632/1/HPR_Terminal_Box?h=1a8bc6)