

## MONSTER-DROP-XTREME

### POWER-ONE SUPPLY UPGRADE KIT-005-A

08-15-12

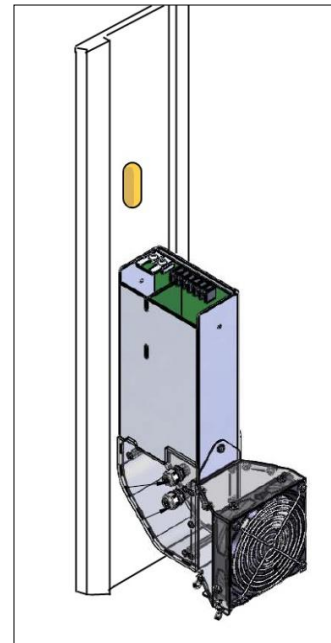
#### APPLICATION

Monster-Drop-Xtreme.

This kit updates the original 'Power-One' power supply assembly to the latest specification.

#### COMPONENTS

Cooling fan with air induction shroud	Part# 121-ASM-021
Screws, x6 8-32 x1/4" Philips machine	Part# HAR-11096
Cooling fan power supply connector segment	Part# 121-HNS-031
Preload Power Resistor, 1.5 Ohms, 50 watt	Part# 121-HNS-030
Screws, x4 #4 3/8" Philips Sheet metal	Part# HAR-14007
Heat transfer compound pad, 0.75"x 2"	



#### INSTALLATION

1)

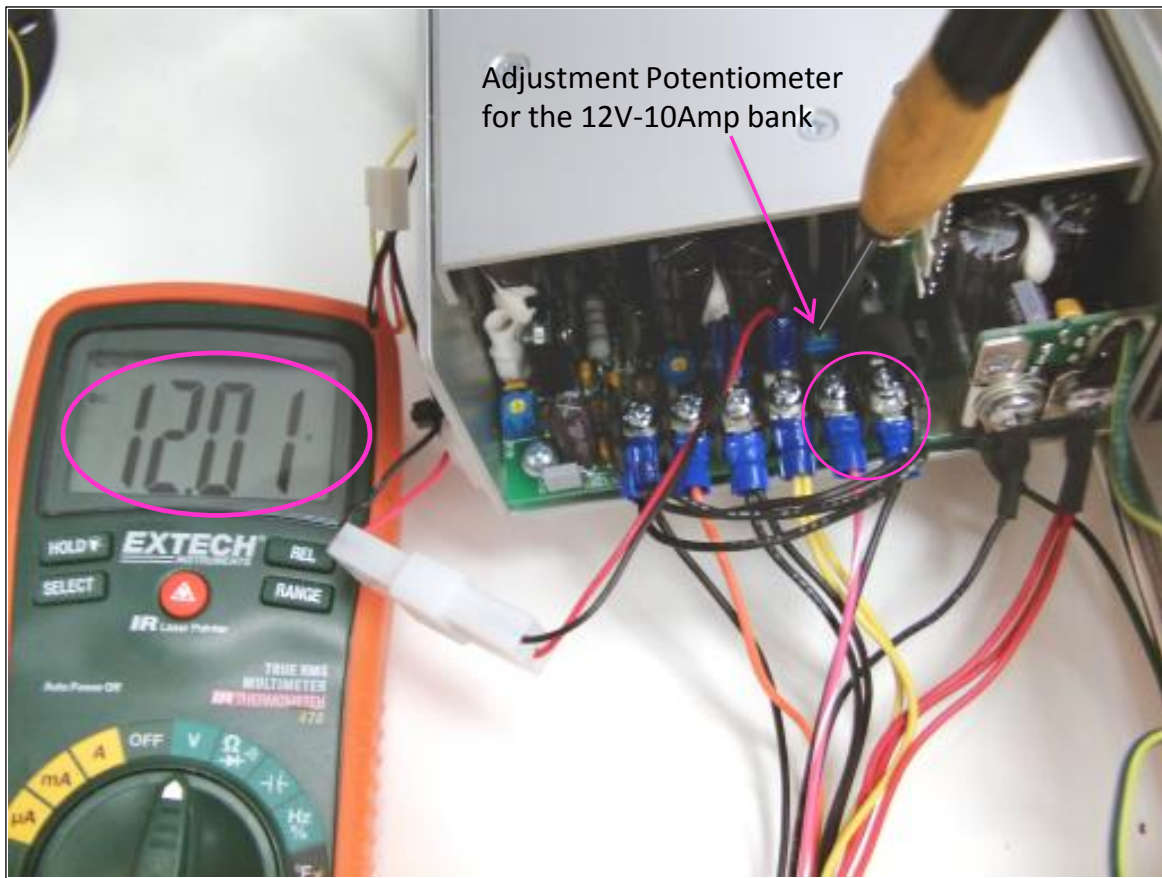
- You can perform this installation with the Power Supply assembly on the machine, or you may remove it so you can more comfortably do the procedure on a workbench. First detach any connectors binding the assembly to the rest of the game cabinet.

2)

! Make sure every load is disconnected before powering-up and adjusting this voltage.

-Provide AC power to the supply on your workbench.

Set the adjustable 12V-10Amp power bank to 12Volts, by carefully adjusting its potentiometer with a fine screwdriver, while using a volt-meter to read the voltage value. Note that a counter-clockwise motion reduces the value, and vice-versa.



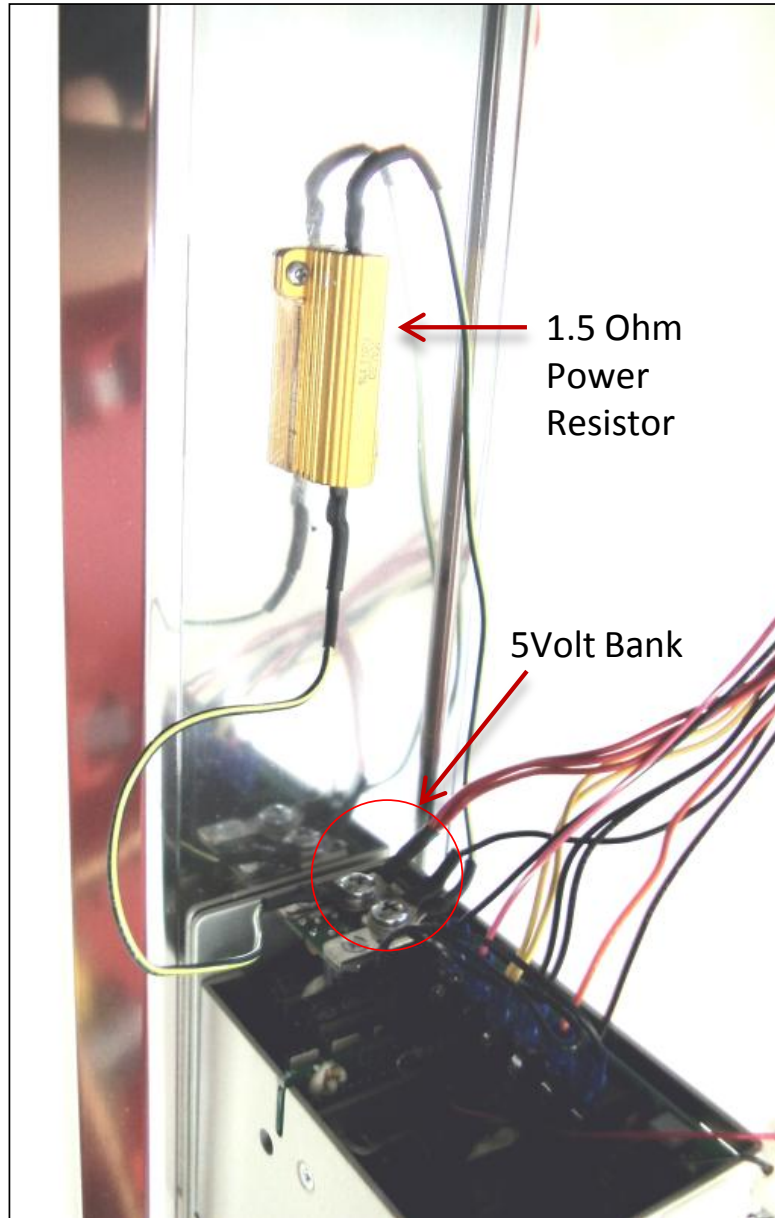
3)

-Replace the existing 5V Pre-load Power Resistor with the 1.5 Ohm Power Resistor provided in this kit.

This resistor should be mounted on the upper part of the aluminum extrusion, as shown below. Don't forget to place the provided heat-transfer compound in between.

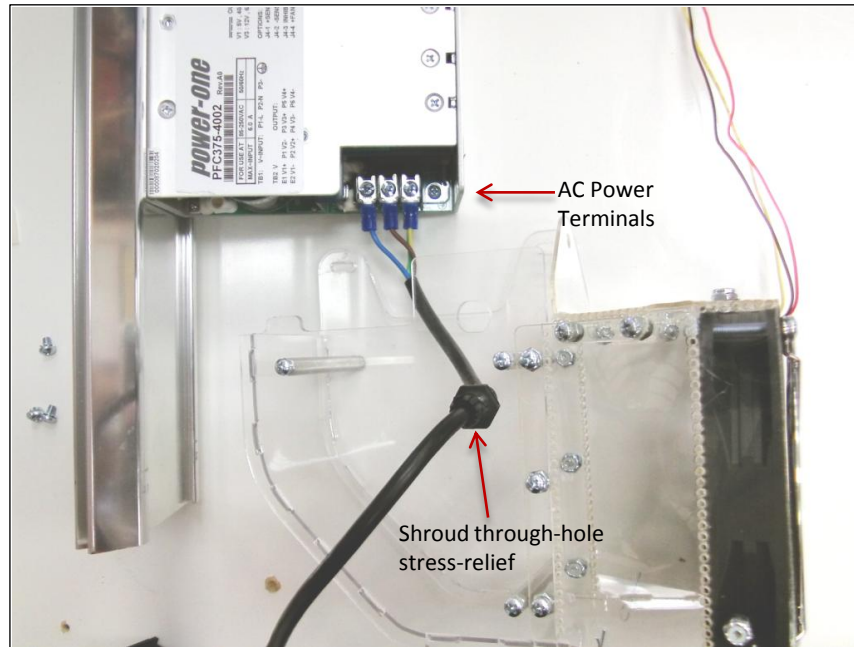
If the holes for the #4 screws are not present, drill/tap those with a 0.089" bit (about 3/32").

The wire ring-terminals should be connected to the 5Volt bank on the power supply. There's no specific orientation or polarity for this.

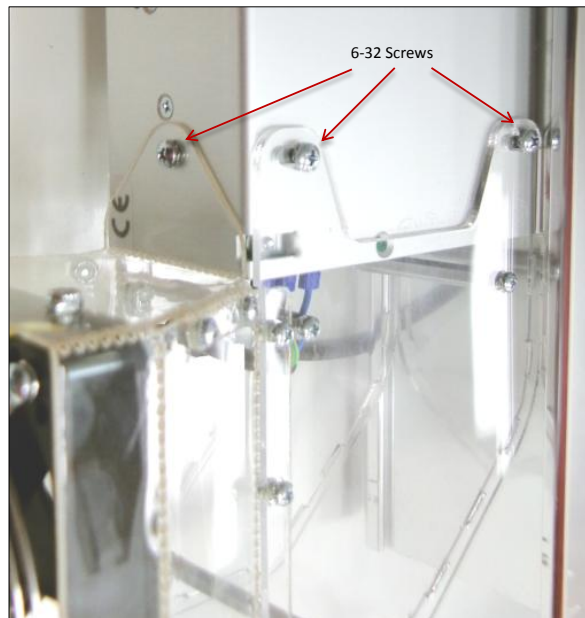


4)

- Remove the AC power terminals from the power supply and pass them through the entry hole present on the cooling fan shroud, as shown below.
  - Reattach the AC power supply terminals to the supply before installing the shroud onto the supply case.
- Note that on Dual-Supply configurations, the AC lines must also come back out on the secondary strain relieve on the opposite side, so they can feed the second power supply as well.



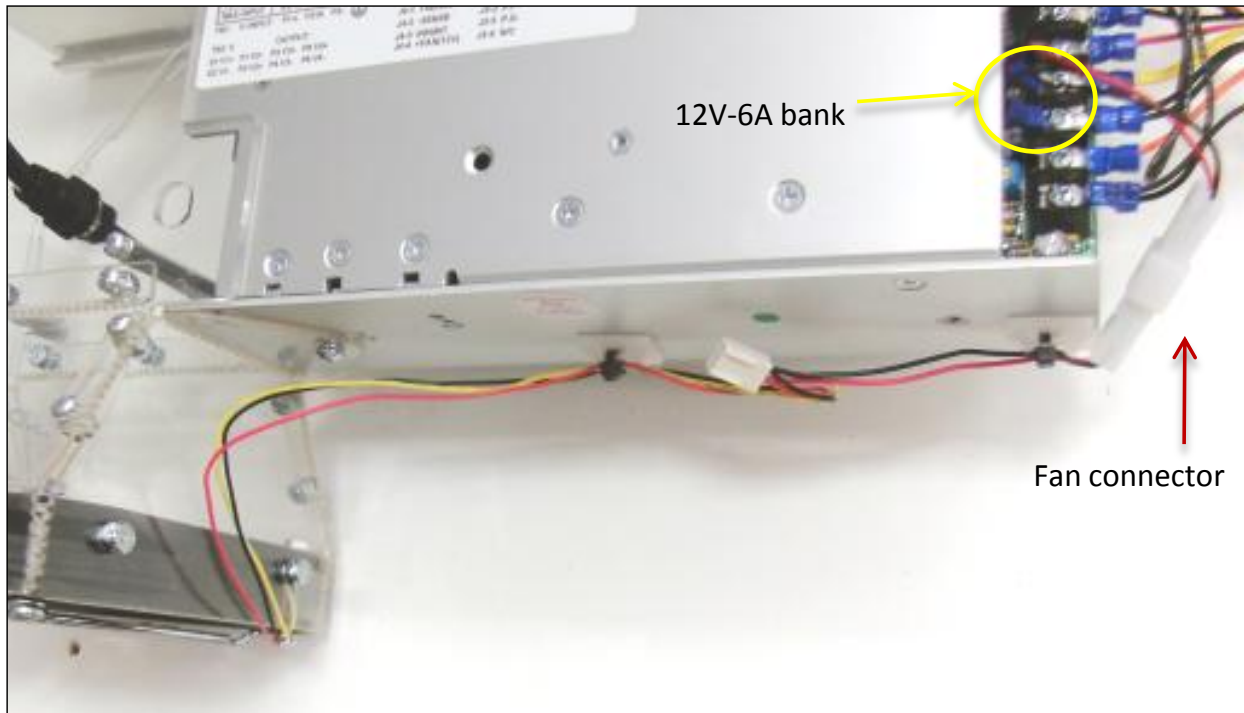
- Using three of the 8-32 screws, attach the shroud to the case.



5)

Plug the fan to the power supply 12V-6Amp bank, by means of the provided harness segment (093 two pin connector on one end, fork terminals on the other).

Fasten the wires to the assembly, so they don't come in contact with any moving parts, but making sure they have enough slack.



6)

Final verification:

- ! Make sure the machine is unplugged.
- Reinstall the Power-Supply assembly back into the machine, and attach the mains AC connectors.
- Power the machine back ON to verify proper operation of the supply cooling fans.
- ! Unplug the machine again.
- Connect the DC connectors back into the game.
- Plug the machine back in and verify proper operation of lights, CPU-board blinking LED's and general start-up and game sequences.