

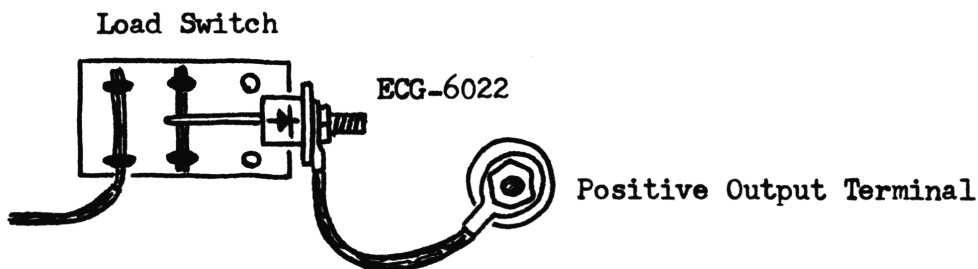
Heath Battery Eliminator Model IP-2715  
Voltage Conversion/Reversal Protection  
 by B.W.

This is a good unit; IF time was taken to assemble neatly!  
 For a KIT is exceptional - But; there are a few faults.

1. No protection for regulator circuit if a device is hooked up backwards. Regulator board has 22 ohm resistor that will open up and show 25+ volts output, pegging the meter at same time.
2. Current meter is marked 25A, so everyone puts in a 25A fuse! WRONG, 20A Fast Blow is correct fuse.
3. No heat sink for Regulator I.C. - suggest mounting on rear chassis case and run wires to PCB. (Note: I haven't had any go bad due to suspect heat problems, just a precaution.)

Protection Modification:

Insert ECG-6022 Rectifier in series from center of Load Sw. to the positive output terminal. Drawing below is after modification.



Voltage Modification: (\*)

1. Remove R9 (1.3K  $\frac{1}{2}$ W 5%) from adjust pot to meter. Replace with a 100 ohm  $\frac{1}{2}$ W 5%, DON'T solder end to pot yet...
2. Exchange R8 (2K variable) with a 5K variable - wire up exactly as old pot wired. Solder new 100 ohm resistor to new pot.
3. Turn R8 (Voltage Adjust) fully CCW before turning unit on. When adjusting be careful not to exceed meter's range.

(\*) Suggest replacing Voltage Meter with 30VDC unit, as new voltage output specifications are: 1.5-28.5VDC approx.

SPECIAL NOTE: Unit will power the Yaesu 757 with no problem!

02A "Export" Chassis

Everyone asking for schematic of PTOS011A0X PCB, see below:

