CROWBAR CIRCUIT TO ADD ON TO YOUR POWER SUPPLY FOR OVER VOLTAGE PROTECTION
KIT OF PARTS AND P C BOARD $18.00
P C BOARD ONLY $5.50

CROWBAR CIRCUIT TO ADD ON TO YOUR POWER SUPPLY FOR OVER VOLTAGE PROTECTION

P C BOARD SIZE 1.8" BY 1.5" 511-TY1612MFP
POT 652-3006F-1-502-LF
FUSE ATM SERIES 504-ATM-10
FUSE SOCKET 534-3557-2 VERTICAL
12V 1W ZENER BZX85B12-TR, 1N5349BG
MC3423P CROWBAR CIRCUIT
4.7K 1/2 W MF1/2CC4701
.01 DISC CAP
2.7K 1/4 W RESISTOR
2.4K 1/4 W RESISTOR
47 OHM 1/4 W RESISTOR

CROWBAR POWER SUPPLY PROTECTION FOR 12.V SUPPLY CIRCUIT SCHEMATIC.

FUSE NOT SUPPLIED
FUSE IS DETERMINED BY CURRENT RATING OF POWER SUPPLY

By FAR CIRCUITS 1/10/2016

The NPE 7172 is a direct replacement for the mc3423p
For 28 volt power supply, with a trip voltage of 33.v, Change R1 to 56K.
The trip voltage for the IC is 2.6v at pin 2. So with 33 v trip voltage at the out put of the supply, Adjust R2 for 2.6 volts at pin 2.
For 12v or 13.8 supply, adjust R2 for 2.6 volt at pin 2 with 15. volts at the out put of the supply.
Use a F1 fuse at the value of 10% more than the max current you require from the power supply.