

## Using the LM7805 to make a regulated 15 volt positive power supply.

Because this regulator behaves somewhat like the adjustable LM117, we can get an adjusted output voltage  $V_O$  using two resistors  $R_1$  and  $R_2$ . The values for this 15 volt power supply are

$$R_1 = 1k, R_2 = 1k, C_1 = 1000\mu F, 35\text{volt}.$$

$P$  is a 100k potentiometer.



