

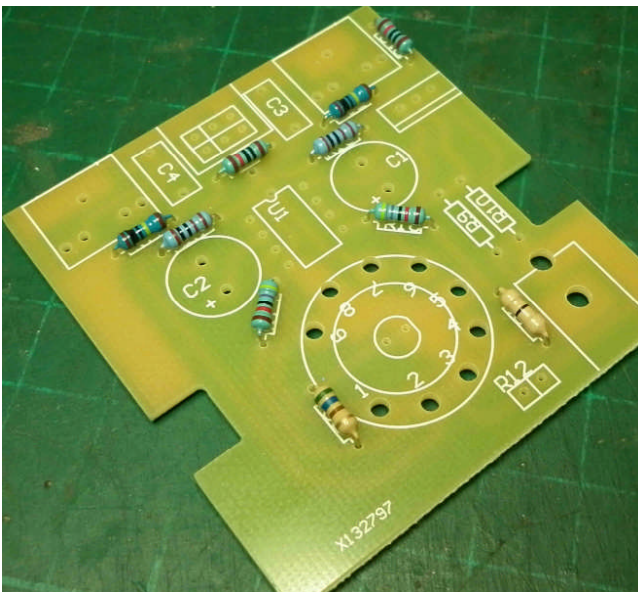
PARTS LIST

- R4 = 0R
- R3 = LED resistor 560R
- R7 & R13 = 47R
- R11 & R12 = 1Meg
- R8 & R15 = 1K
- R14 & R16 = 47K
- R9 & R10 = 10R (1/2W)

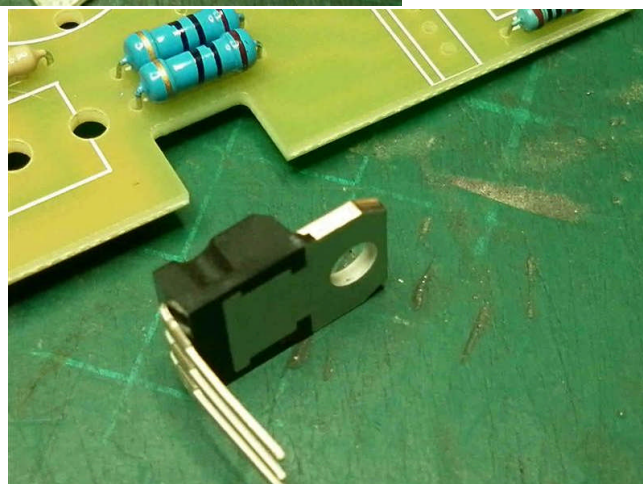
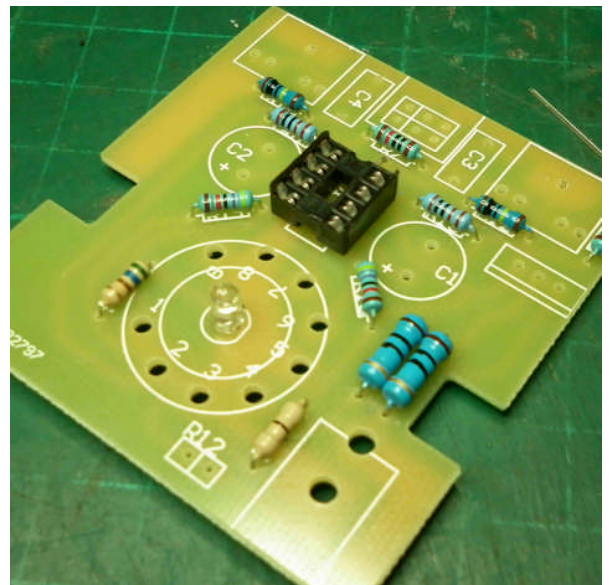
- C1 & C2 = 470uf
- C3 & C4 = 0.47uf

- U1 = JRC 4556
- 8 PIN IC socket
- IC1 = LM317
- Pot 10K Log taper & Knob
- DC power socket 2.1mm
- Spst toggle switch
- 2 x 3.5mm stereo jacks
- 9 pin valve socket
- 12AU7 (NOT SUPPLIED)

Resistors first (watch the link behind the pot)

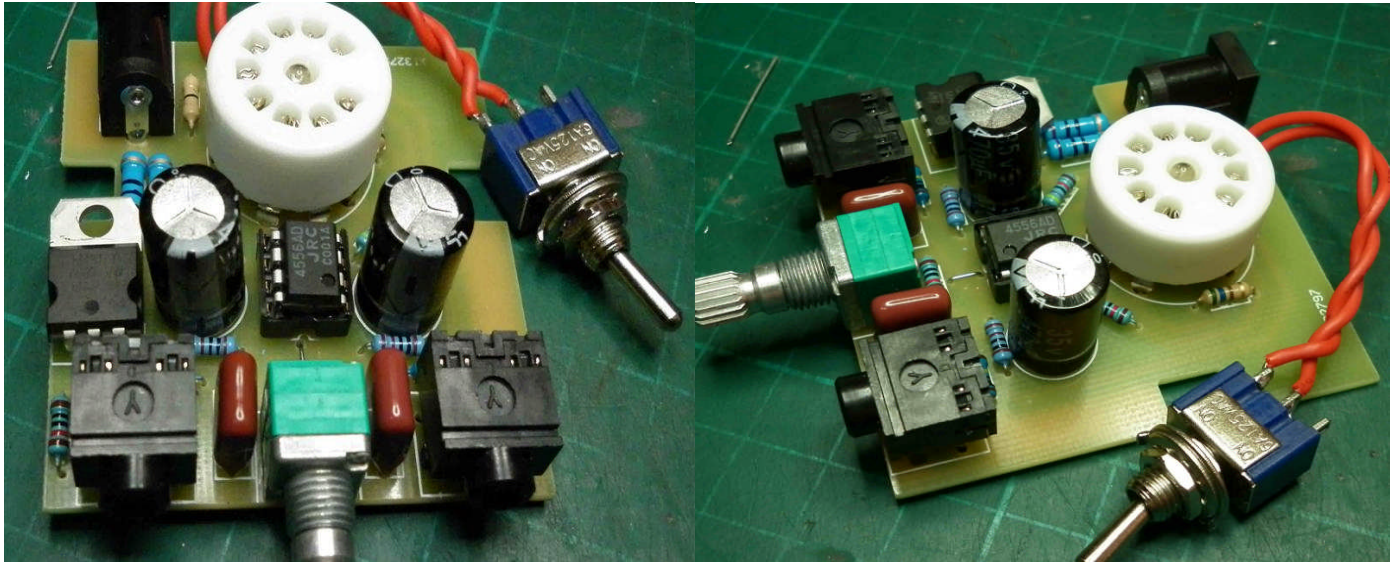


Then the taller parts, bend the leads of the lm317 as shown



**DON'T FORGET
THE LED!**

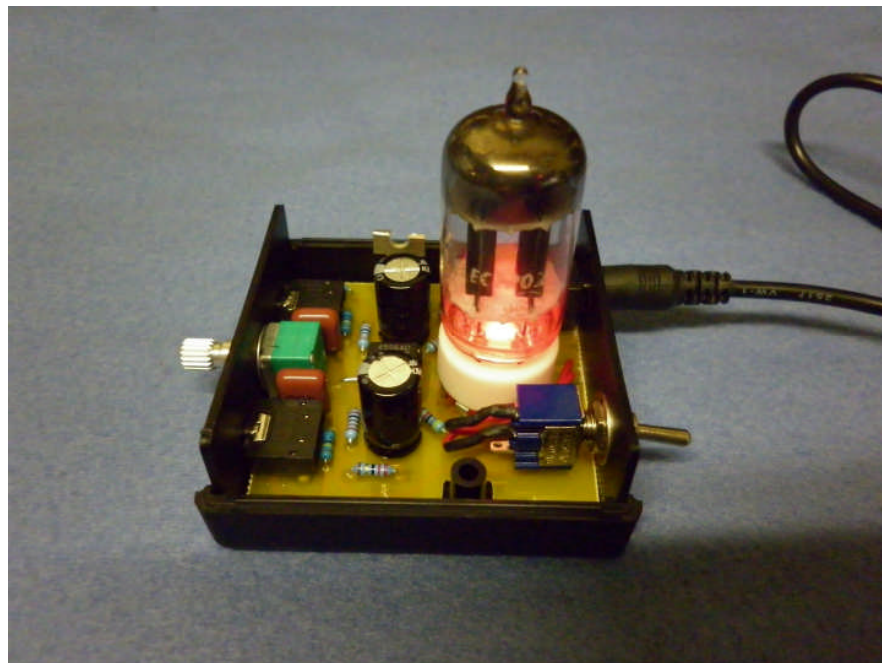
**Bend the pins on the
LM317 before
inserting**



Watch the polarity of the LED the long leg is positive

Its easier to install the JRC4556 BEFORE the two large electrolytic capacitors are fitted

You'll need to run wires to a switch and plug in a 12 Volt supply

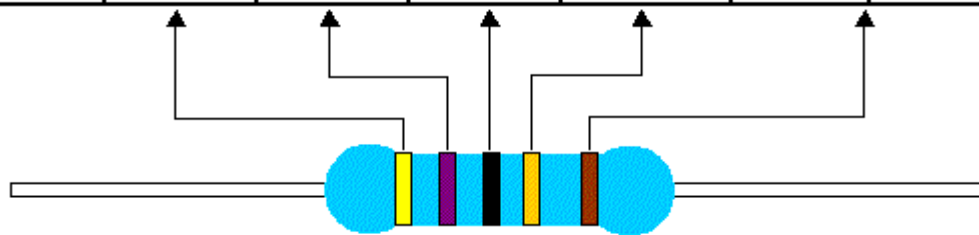


Finally positioned in a Hammond case

With JRC4556 in place

Needs a 12volt 1 amp Regulated DC supply

COLOR	1ST BAND	2ND BAND	3TH BAND	MULTIPLIER	TOLERANCE	
BLACK	0	0	0	1		
BROWN	1	1	1	10	± 1%	F
RED	2	2	2	100	± 2%	G
ORANGE	3	3	3	1K		
YELLOW	4	4	4	10K		
GREEN	5	5	5	100K	± 0.5%	D
BLUE	6	6	6	1M	± 0.25%	C
VIOLET	7	7	7	10M	± 0.10%	B
GREY	8	8	8		± 0.05%	A
WHITE	9	9	9			
GOLD				0.1	± 5%	J
SILVER				0.01	± 10%	K
PLAIN					± 20%	M



Resistor Values and Codes

0 Ohm beige body with single black band

1K ohm (Brown, Black, Black, Brown, Brown)

47 ohm (Yellow, Purple, Black, Gold, Brown)

47K ohm (Yellow, Purple, Black, Red, Brown)

100K ohm (Brown, Black, Black, Orange, Brown)

1M ohm (Brown, Black, Black, Yellow, Brown)

IT DOESN'T WORK!!!!!!!!!!!!!!

The main things to check are that all the connections are solid and you don't have any solder bridges or other short circuits.

Is the chip seated properly with all legs in the socket?

Are the capacitors in the right way round?

HUM and power noises are always the fault of the power supply you will need a good 12V supply or you will need to filter the supply

Don't forget if you cannot get it to work or its just too hard send it back with \$5.00 for postage and it will be fixed and returned in working order— promise :-)

