

SYMPTOM:

This rework instruction is to solve audible squeaking noise when TV set is in 'stand-by' mode or 'off'.

CURE:

Place a resistor (Rx) in parallel with 3B34 and 3B60 on the SSB.

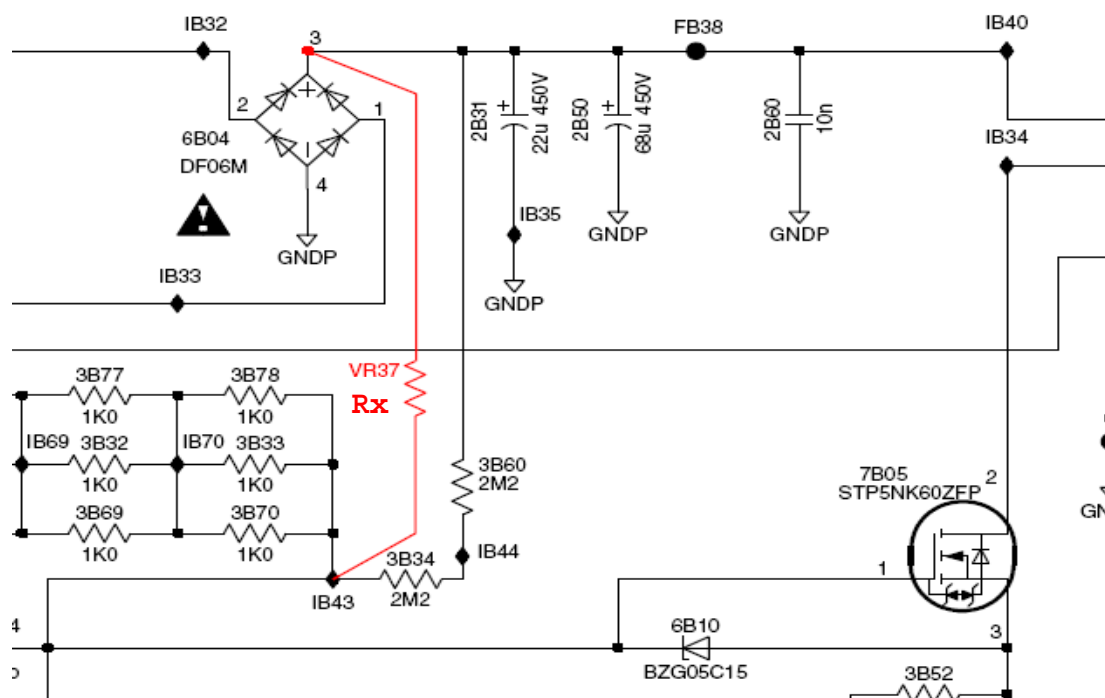
IMPORTANT:

- 1) The value is dependant of which combination is used at position 3B34 and 3B60.
- 2) Three possible values for Rx: 1M5, 2M7 or 6M8 (see table)

- Place VR37 type resistor, in the following position (see schematic):
 - ➔ from the '+' of the bridge diode 6B04.
 - ➔ to the MOSFET 7B05.
- Type of component:
 - ➔ resistor is VR37 type. Blue body colour.
 - ➔ for value and ordering information, see table.



- Schematic:



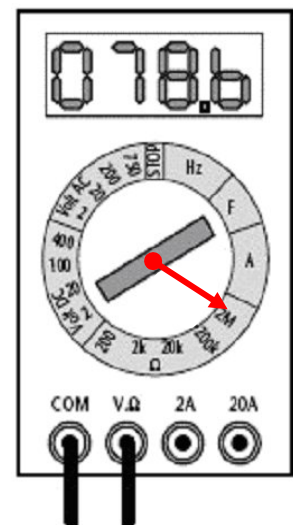
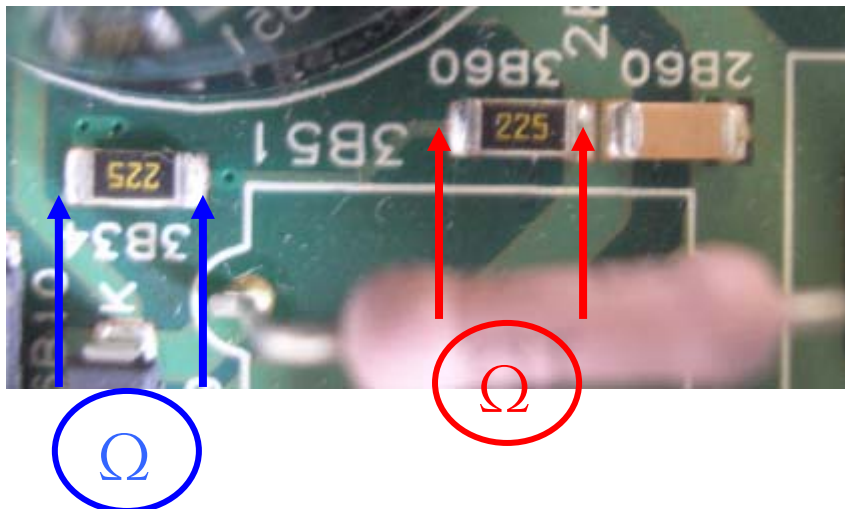
Which value?

- Possible situations, Rx is the resistor that must be placed into parallel:

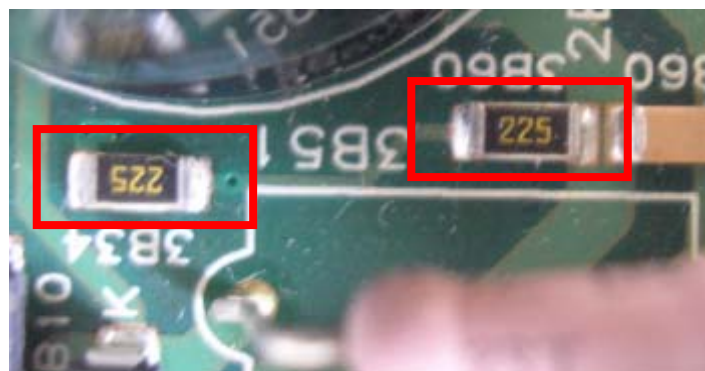
Situation	SMD 3B34	SMD 3B60	Rx	Digi-Key® Part Number (www.digikey.com)	Vishay® Part Number
1	2M2	2M2	1M5	PPCHJ1.5MCT-ND	2322 242 13155 * VR37000001504J
2	1M5	1M5	2M7	PPCHJ2.7MCT-ND	2322 242 13275 * VR37000002704J
3	Jumper (0 Ohm)	1M5	6M8	PPCHJ6.8MCT-ND	2322 242 13685 * VR37000006804J

(*) **Note:** "Slow moving" commodity parts are no longer placed on stock by Philips. This component, or equivalent, is available in the regular market. Therefore, a datasheet of the VR37 resistor is attached. **Caution:** It is mandatory to use the mentioned "high voltage" component.

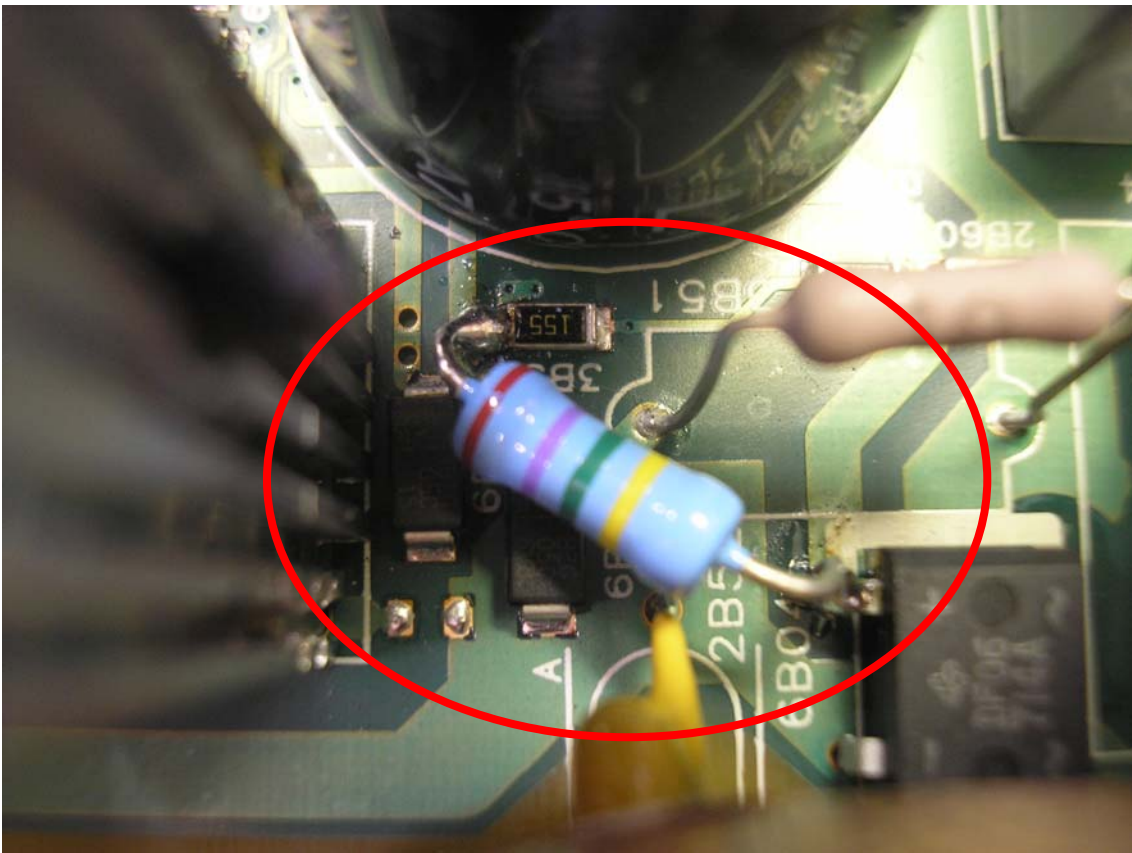
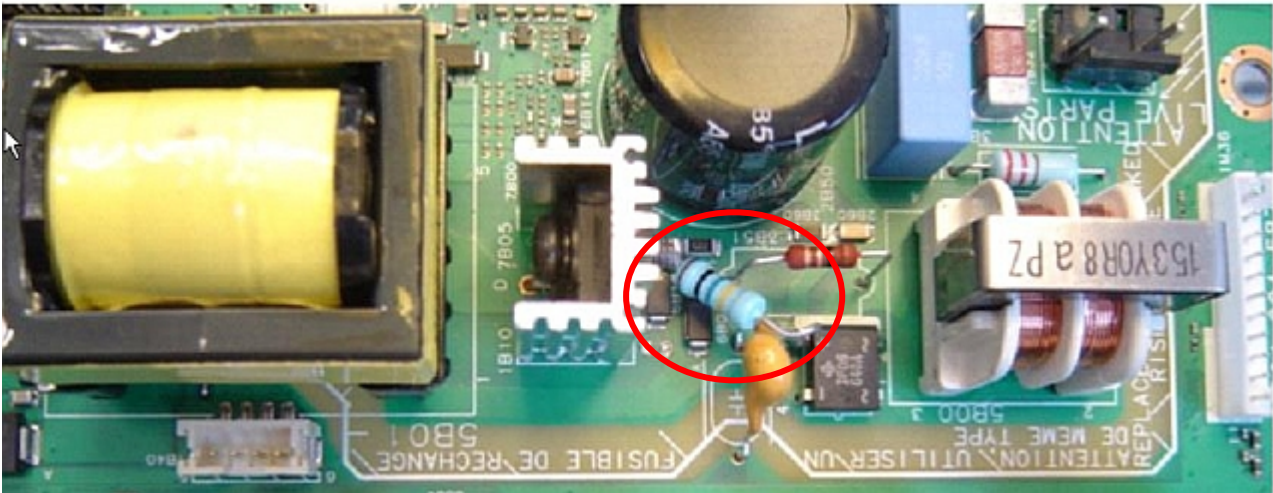
- How to recognize value of 3B34 / 3B60 with multi-meter
 - measure each SMD resistor 3B60 & 3B34 separate.
 - multi-meter into Ohm, biggest range of resistance.
 - see picture:



- How to recognize value of 3B34 / 3B60 visually:
 - see value on body of each SMD.
 - 2M2 = 225.
 - 1M5 = 155.
 - see picture:

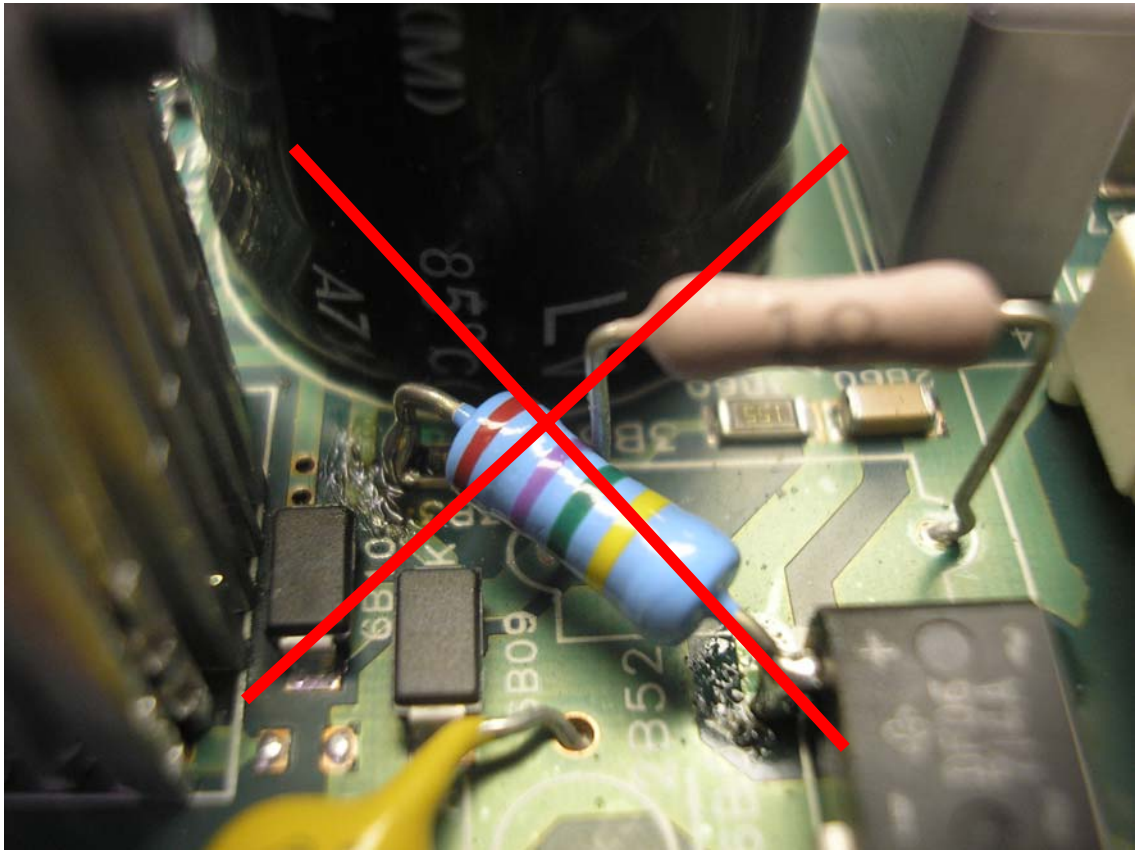


Picture of mounting:



Remark:

This change is in the primary part. Make sure the soldering is done with the necessary precautions.



Not OK!

Reason: Both resistors are touching each other.