

# ***Service tips***

***Created by: Lab.gruppen AB Service Department***

***Date: 100628***

***Reference no: Unstable rail voltage, not able to adjust rail voltage.***

---

## ***Affected models***

---

Following models are affected by this technical service tips:

C:16, C:28, C:48, C:68 & C:88.

FP 4000, FP 6000Q, FP 7000, FP 9000, FP 10000Q, FP 13000 & FP14000

PLM10000Q

PLM14000

## ***Affected boards/modules***

---

SP100, SP130 and SP140.

## ***Symptom***

---

Unstable rail voltage, not able to adjust rail voltage.

PSU clicking on and off all the time and PAL led lights up.

## ***Solution***

---

1. Check if there is contact between + rail and R32 & R34.
  2. Check if there is contact between – rail and R33.
  3. If not repair foil pattern and check D23, D24, D25, D26, D27, Q8, Q9 & Q10.
  4. Update OVP circuit if needed, regarding to instruction (Only SP100 & SP130).
-