



GYSPOT INVERTER BP (C – X – CX) & PTI – update the circuit 97027C

The following procedure describes a updating of the power circuit board ref.97027C on GYSPOT INVERTER BP & PTI.

You should apply this update on all the machines which have a serial number inferior at 09.07.xxxxxx.

Description of the defect:

When the machine is connected on a high main power supply voltage there is a risk of over-voltage on the pump. The consequence is the destruction of the pump.

1) the machine is failed: the pump is burnt.

FOLLOW THE STEPS 1, 2, 3 and 4.

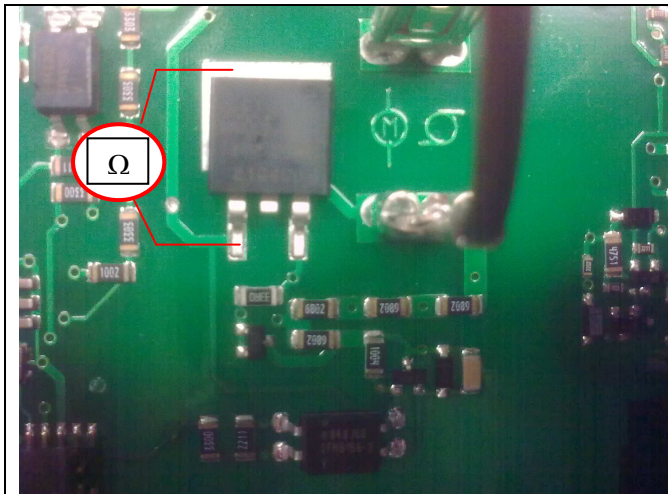
SYMPTOMS: The pump is burnt.

CAUSE: over-voltage on the primary.

REPAIR: change the pump (réf.GYS.71772), check electronic components on main board and make the update (see different steps below).

2) the machine has no problem: you should apply the update below.

FOLLOW THE STEPS 2, 3 and 4.

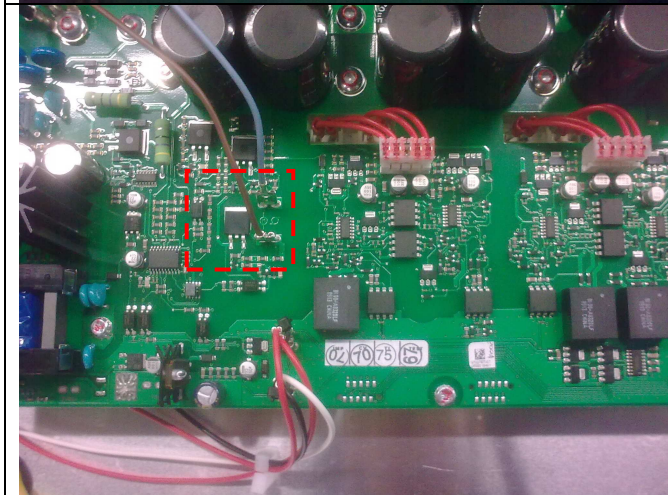


STEP 1

Measure with an ohmmeter on the thyristor.

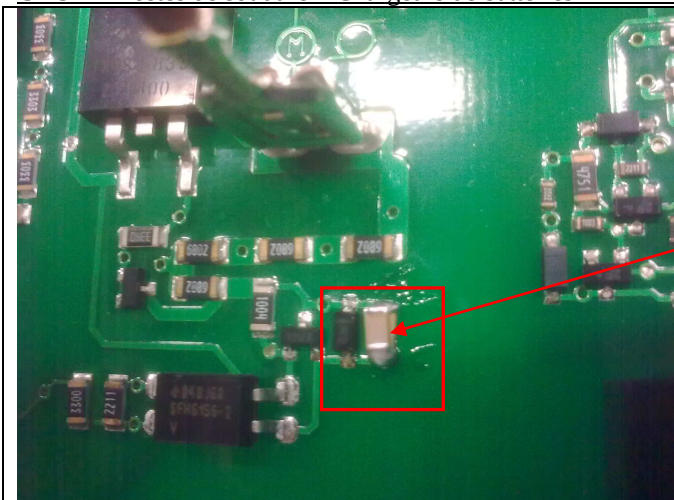
If the value > 1 MΩ => the thyristor is OK (just follow the update procedure below)

If it is in short circuit => you should change the main circuit board 97027C

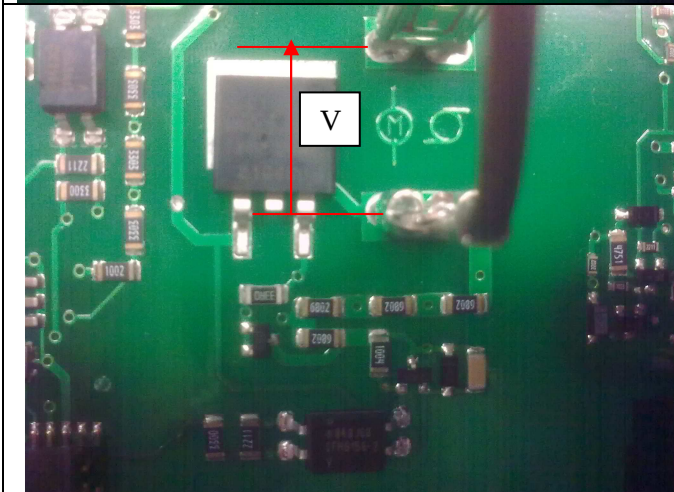


STEP 2

On the photo above, the red part show where are the components of the pump power supply voltage.

**STEP 3****UPDATE :**

In order to limit the voltage on the pump, we have added 1 capacitor 47nF 50V ref.GYS.64044 in parallel of the other one.

**STEP 4**

Plug on the machine and check the voltage on the pump.

You should have 260Vac RMS.