



SERVICE INFORMATION BULLETIN

INFO T

REF:T030403/FVH

SERIAL NUMBER: 396

Product(s).....

Reality 909 /Cine9

Module(s).....

SMPS subunit  
R763142S and R7631421S

Priority.....

B

A - "Must" modification, Barco will provide the necessary components to perform this modification at no charge.

B - Improves the reliability of the product.

C - Improves the general working conditions of the product.

D - For information only.

**Stand-by voltage ++9V drops heavily due to heating problem with electrolytic capacitors. Projector does not start up any more in some cases.**

The ++9V stand-by voltage is generated by means of a TOP 224 (I400) on the subunit of the SMPS board. At the secondary of the transformer, we find a pi-filter consisting of two smoothening capacitors **C450** and **C451** and L450. These electrolytic capacitors are initially *standard* versions. We were reported some loss of capacitance due to an internal heat whereby the ++9V drops to approximately 3 - 5V. Depending on tolerances, some projectors may have difficulties in starting up. To prevent similar problems in the future we highly recommend to replace both capacitors by low ESR types (**V1116248**) to prevent the above-mentioned problem.

The faulty capacitor C450 can also cause a breakdown of the Transient Voltage Suppressor (TVS) D400 in the primary. The latter should hold 200 volts both ends but can measure a short in one direction, if faulty. Therefore, it is also advised to check this TVS or to replace the TVS if you like to prevent damage in the future, as a precaution.

Order information :

- C450 and C451 (V1114799) ---→ C EL RA 560M M 35E2 LE (**V1116248**)
- D400 200V TVS 1500W partnumber **B131811**.

