Instruction Guide
VG-640 & VG-540
Crop Mark Detection
& New Filter Sheet

August 30, 2016

VG Series Crop Mark Detection

Condition: Unable to properly read the crop mark

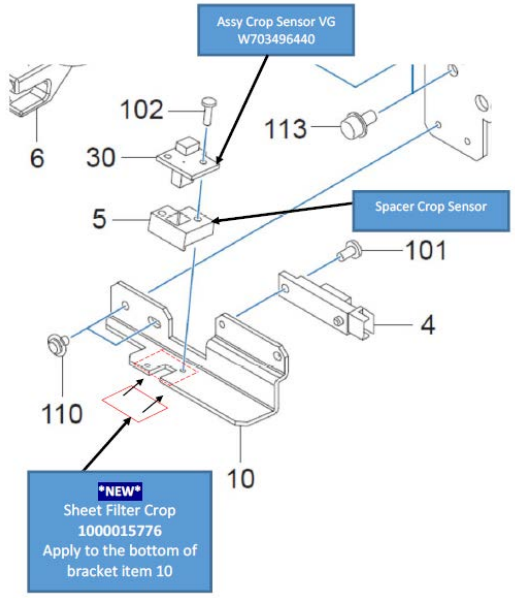
1. First, make sure you study beforehand and follow the entire crop mark adjustment procedure per the most current VG Service Manual, starting on page 2-29.

In the event the problem persists while onsite:

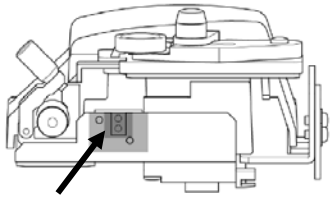
2. Roland DG manufacturing adjusts the crop mark sensor and verifies every single printer to make sure it is adjusted per the voltage specs stated in the VG series service manual. Production uses a specific material SV-G-1270 when performing the adjustment. We don't expect that every service engineer carries a roll of this material. That said, the crop mark sensor adjustment procedure does point out; if you are using material other than SV-G-1270 you should allow the black square to dry first, then carry out the adjustment. You might encounter a value of 3.8 volts and that is well beyond the threshold for the sensor to behave properly. SV-G-1270 reads completely different to a range of 2.5 to 2.7 volts. We suggest you check the voltage reading at install or during a field visit just to make sure it holds. If your customer laminates and then performs a contour cut function, we suggest you place laminated crop mark under the sensor while you have it reading the un-laminated crop mark during crop mark sensor check. This will verify that it is within range.

3. We have received a few field reports regarding the issue of not detecting the crop marks reliably on the VG Series Printer even after the adjustments. A new crop sensor filter sheet was just released that will be applied to the underside of the crop mark sensor bracket. This filter will help with the sensitivity reading on a variety media types.
4. New crop mark filter installation: Order Part Number 1000015776 Sheet Filter Crop
   As mentioned this will help stabilize the crop mark sensor reader. Apply to the underside of bracket number 10. Adjust the crop mark sensor to the proper specification: VG Service Manual, Page 2-29.

View of VG Cut carriage assembly (VG Parts Catalog)



Bottom view of the cut carriage assembly.
Note the position of the filter sheet.



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