Transfer Printer A2Gemini

Instructions for Sensor Adjustments

Danger to life and limb
The sensor adjustments must be carried out with printer open and switched on. For that reason there is a risk to life and limb from the live wires inside the printer.
The adjustments may only be carried out by qualified and trained electricians.

Adjustment of the Label Edge Sensor

1. Remove the rear cover.
2. Switch on the printer.
3. For see-through sensor adjustment insert the silicon liner without labels into the sensor. Tighten the material.
   Measure voltage $U_D$ at the measuring point DLICHT (4) and adjust it to $2.1 - 2.2 \text{ V}$ using the potentiometer DLICHT (3).
   Perform test measurements: Sensor empty: $U_D < 0.5 \text{ V}$, Liner with label in the sensor: $U_D > 3.5 \text{ V}$.
4. For reflective sensor adjustment use material with reflective marks on the bottom. Insert the material in such a way, that a free area without marks is measured by the sensor. Tighten the material.
   Measure voltage $U_R$ at the measuring point RLICHT (1) and adjust it to $0.25 \text{ V}$ using the potentiometer RLICHT (2).
5. Mount the rear cover.

Adjustment of the Ribbon Sensor

1. Remove the rear cover.
2. Switch on the printer.
3. Slowly turn the ribbon supply hub and check the maximum value $U_{\text{max}}$ and the minimum value $U_{\text{min}}$ at the measuring point $U_{\text{max..min}}(7)$. The difference $U_{\text{max}} - U_{\text{min}}$ must be $> 0.8 \text{ V}$.
4. Measure voltage at the measuring point $U_{\text{Ref}}(6)$ messen and adjust it to the value $(U_{\text{max}} + U_{\text{min}})/2$ using the potentiometer TBAND (5).
5. Mount the rear cover.