

SIDM Technical Bulletin	Number TB-S-0002	Revision A
Subject: CLEANING PRINthead INSTRUCTION	Originator CP	Date 25 th June 2020

CLEANING PRINthead INSTRUCTION

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Print Head removal

CAUTION

High Temperature; Switch off the printer and allow at least 10 minutes for parts in this area to cool before handling.



- 1) Turn the printer off and disconnect the power cord from the rear of the printer.
- 2) Open the top cover and remove the ribbon. See ribbon cartridge.
- 3) Move the print head to middle of the printer.
- 4) Unscrew the screw on the metal cable clamp securing the print head cable to the carriage and remove it.
- 5) Unscrew the two screws (item 56) securing the print head.
- 6) Unplug print head cables, the ribbon lift motor cable, and the encoder board from the related connectors on the print head assembly, by manually pulling on their bends.
- 7) Remove the print head.

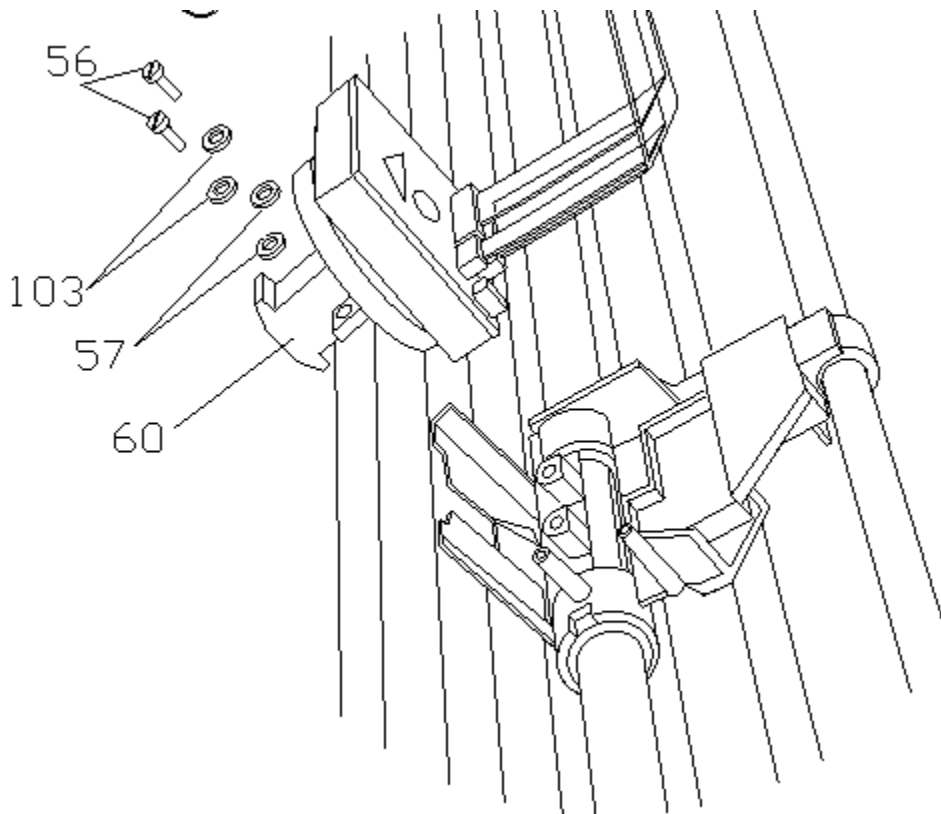


Figure 1. Print Head removal

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Print Head Mask removal and cleaning

CAUTION

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- 8) Unscrew the screws A and B securing the print head mask on the carriage assembly. (figure 2)

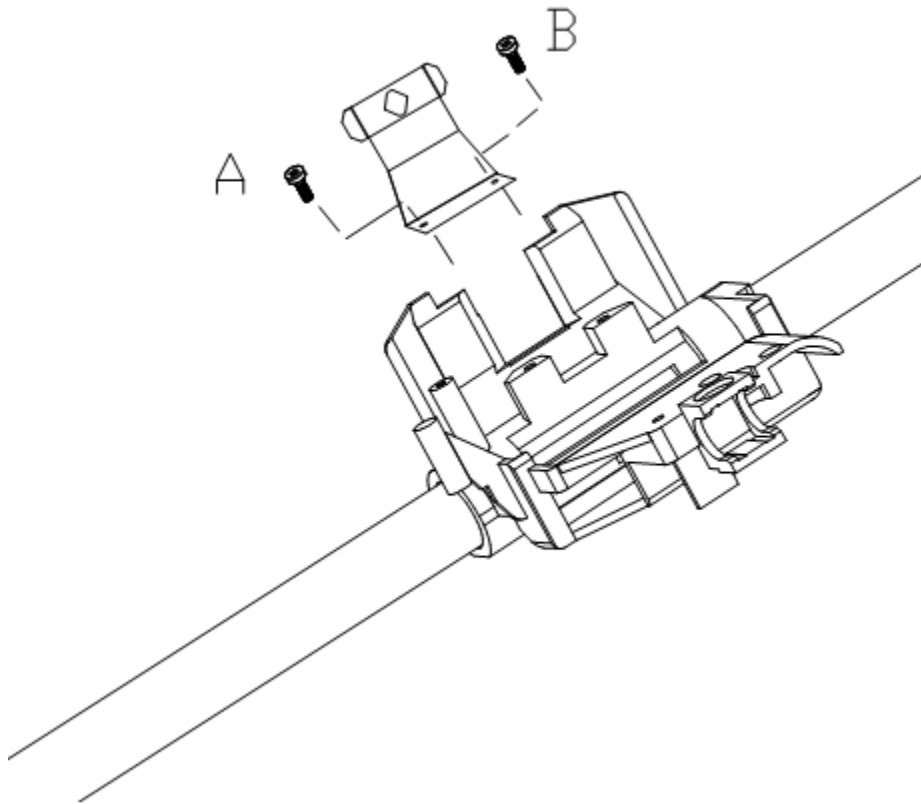


Figure 2. Printhead Mask Removal

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Cleaning the print head mask

- 9) Remove paper fragments or ink fragments (figure 3).
- 10) DON'T bend the print head mask while cleaning.

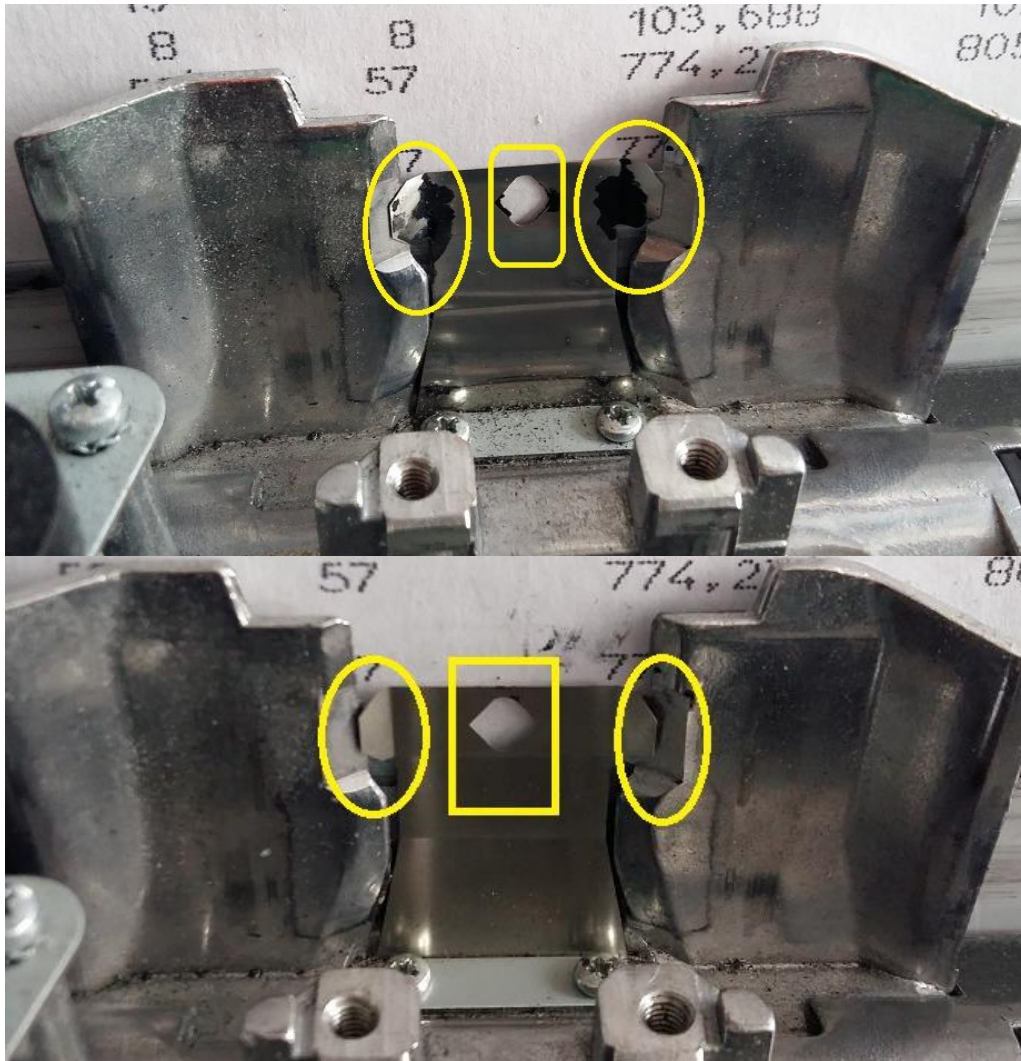


Figure 3. removal of paper or ink fragments

- 11) To put again the print head mask follow the removal steps in reverse order.
- 12) Check if the print head cables aren't damaged.
- 13) Before plugging the cables in the print head base, check the flex cables aren't damaged.
- 14) Before securing the screws, push the print head toward the platen with equal pressure on both sides of the print head.

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- 15) Tighten the print head mounting screws while continuing to push the print head toward the platen.
- 16) Check if the encoder strip isn't damaged or striped.
- 17) Check if the encoder strip is centred in the encoder (figure 4).
- 18) If the encoder strip is damaged replace it, if not follow the procedure how to center the encoder strip.
- 19) Run the A.G.A. calibrate routine to adjust the gap.

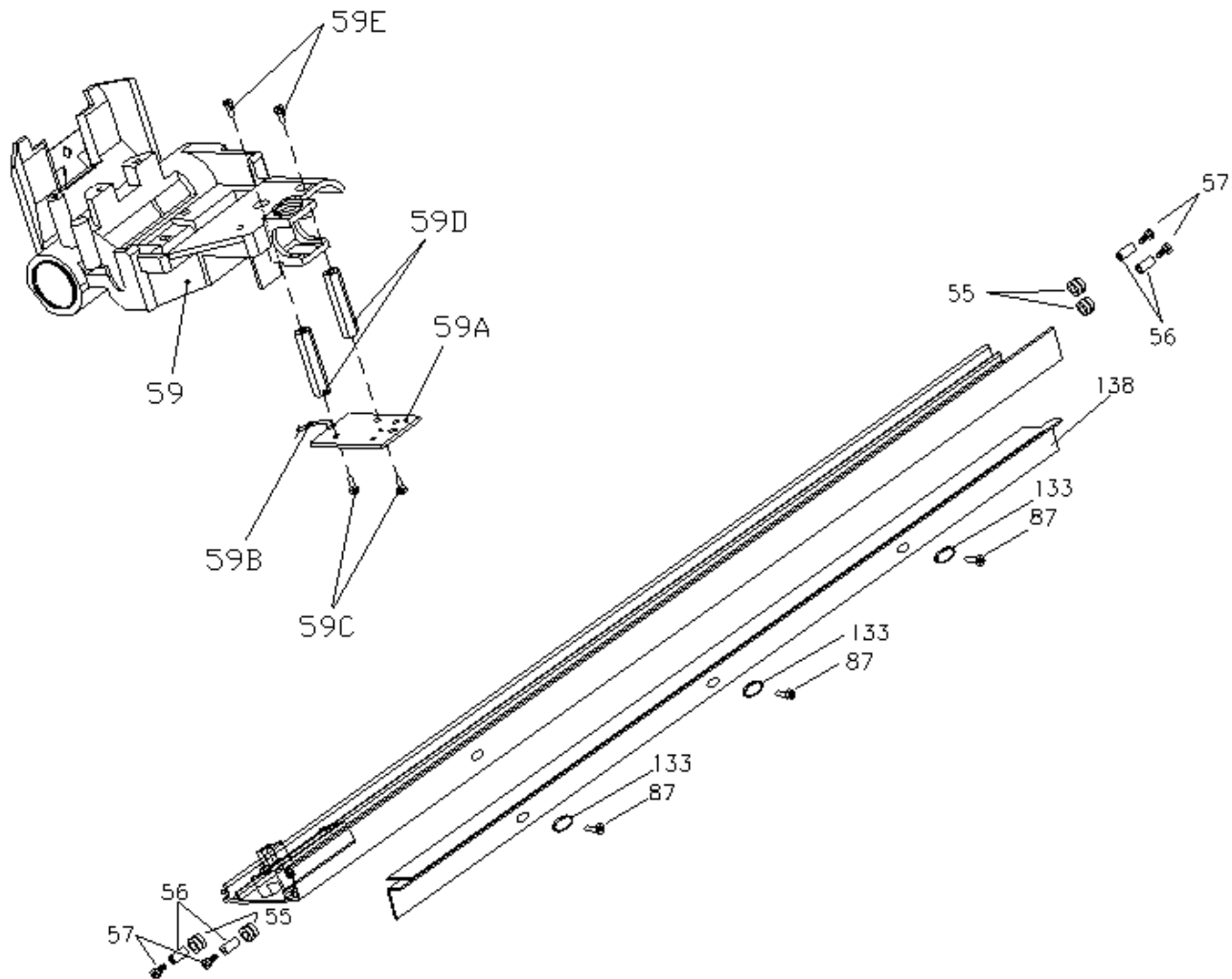
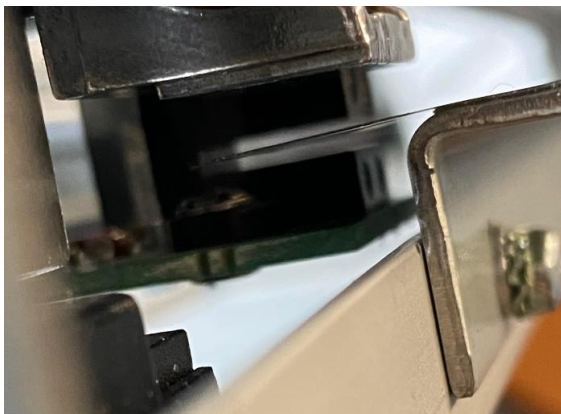
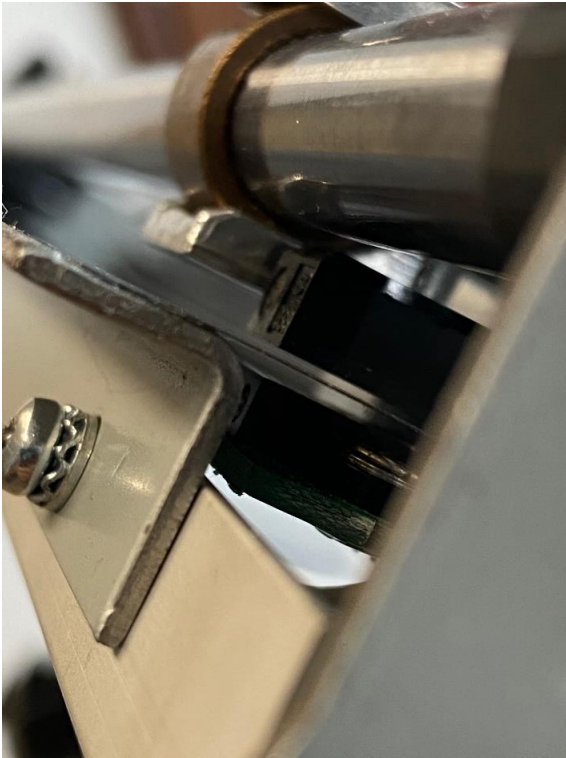


Figure 4. Encoder strip N. 138

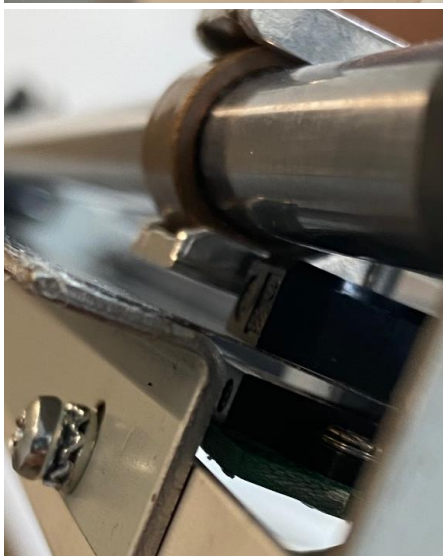
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How to center the encoder strip

- 20) Firstly unscrew 3x screws (item 87) with only FEW turns.
Secondly take CARE to CENTER the encoder strip in the sensor fork tines by moving the carriage on the right side, fix the encoder strip on the right side by screwing item 87. Then move the carriage on the left side, fix the encoder strip on the left side by screwing item 87. Finally screw the middle screw item 87.
Check by moving the carriage that the encoder strip is centered in the sensor fork without touching the tines of the fork on both left and right side of the mechanism.



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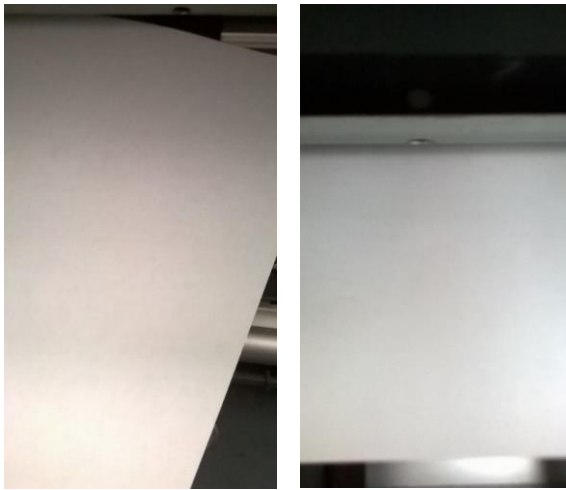


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A.G.A. CALIBRATE ROUTINE

- 1) Switch On the printer Pressing buttons **“ALTERNATE”** & **“PARK”** together until the Display shows **“RELEASE KEYS”**.
- 2) When the display shows **“SBS”** **“CMPL”** press button **“LOAD/FF”**.
- 3) When display shows **“T&D”** 3 press **“LF”** until **“T&D 10 Aga”**.
- 4) Now press **“FONT”** to start **A.G.A.** Calibrate routine.
- 5) When the display shows **“INSERT A4 FORM”**, put an A4 sheet in the path showed below.

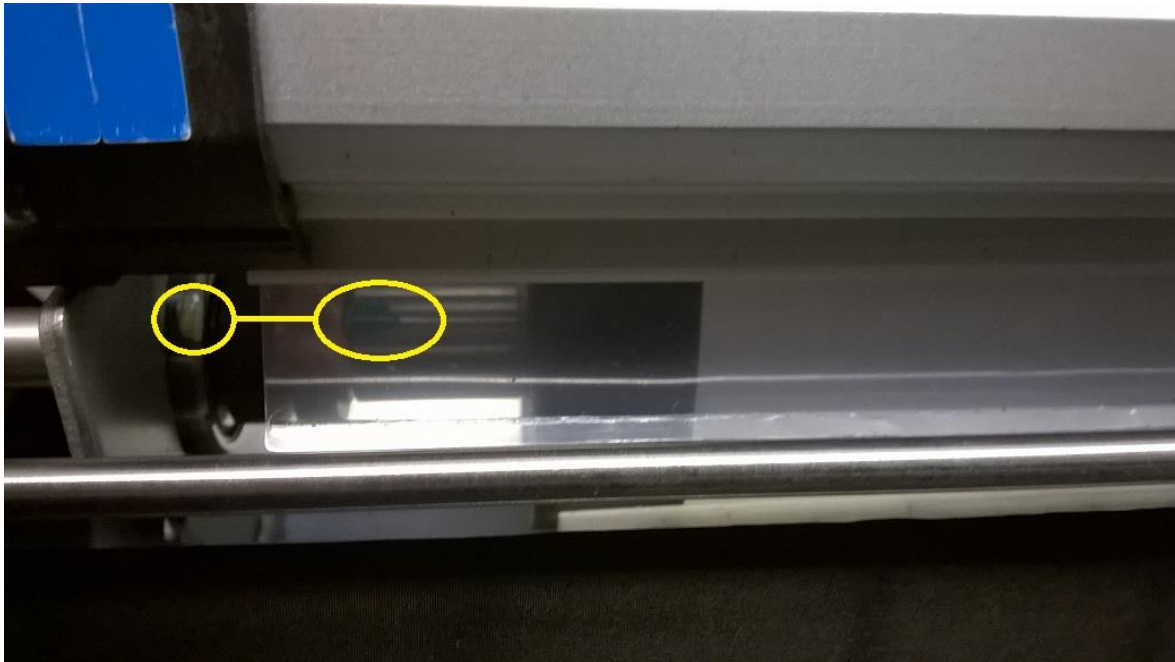


- 6) Display shows the message below.

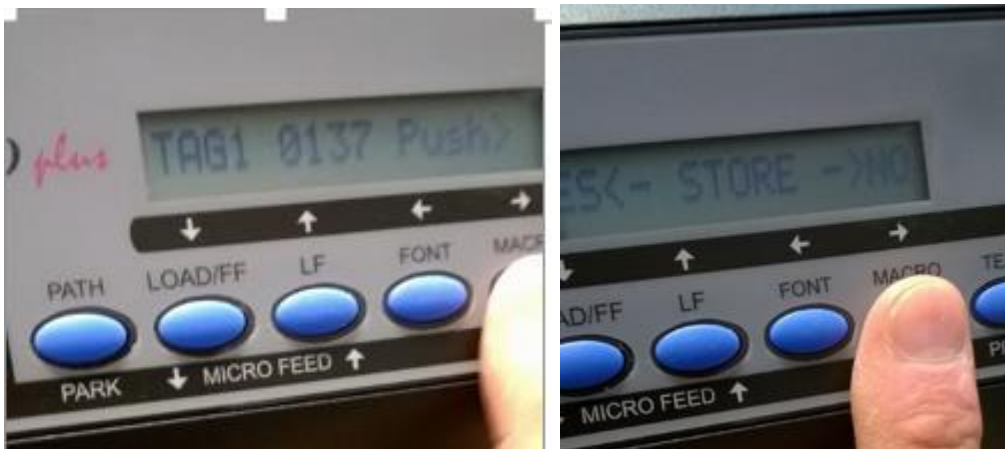


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- 7) Press the button “**LOAD/FF**” (for move paper down direction) or “**LF**” (for move paper up direction).
- 8) Until you find the red/green dots on the Platen Roller bar aligned with white dot on the bearing (see the picture below).



- 9) Press button “**MACRO**” first time, press button “**MACRO**” second time and check the **AGA** Gear Position.



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- 10) Press button “**LOAD/FF -**” for reduce the gap PrintHead/Platen or “**LF +**” for increase the gap PrintHead/Platen.



- 11) Repeat the operation until the **AGA** Gear Position is like showed in the picture (the orange lines are the up limit and lower limit).

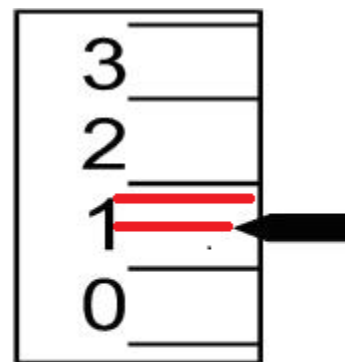


Fig. 2B

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- 12) When the **AGA** gear is in correct position press button “**LOAD/FF**” to store the value.



- 13) Now switch off the printer to terminate the AGA Calibration routine.

