



PAPER MACHINERY CORPORATION

8900 West Bradley Road Milwaukee, WI 53224 (PHONE) 414-354-8050 (FAX) 414-354-8614 www.papermc.com

090123

SETTING BACKLASH ON FEED ROLLER SPUR GEARS

No. 213.1

PMC HS-700 (PMC HS-600-S)

The proper backlash on the Feed Roller Spur Gears is necessary to prevent premature gear tooth wear. The backlash value should be between 0.002" – 0.005" when using the method described below.

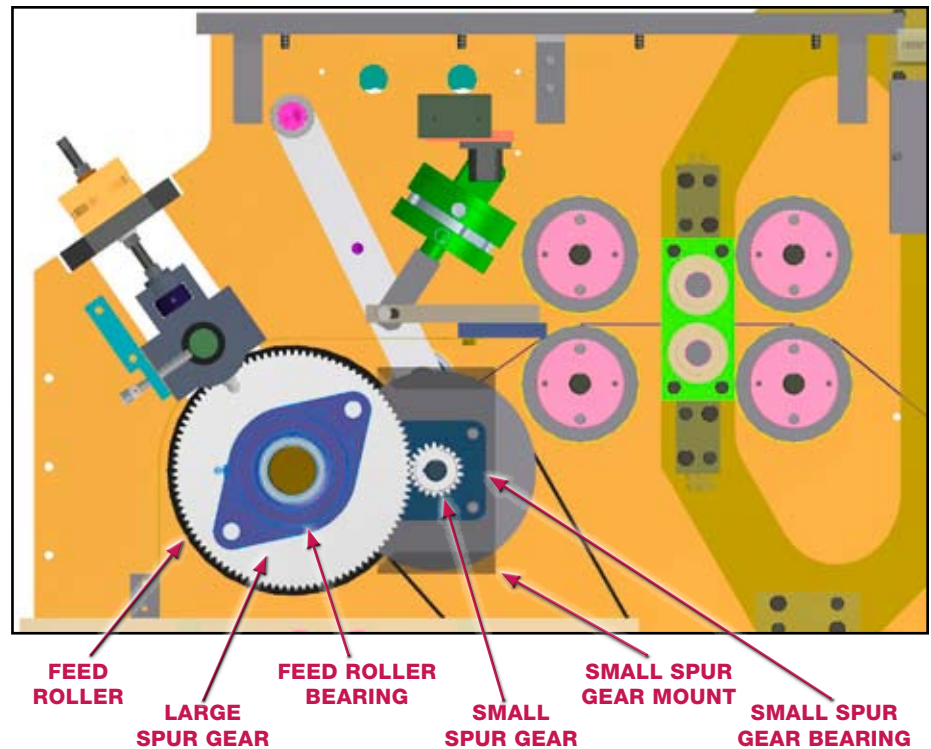
INSTRUCTIONS TO SET THE BACKLASH

Check the level of the Feed Roller horizontally and vertically. Adjust and secure the Feed Roller Bearings to achieve a level position.

If adjusting was required, run the Blanker to verify the paper tracks properly over the Feed Roller. If the paper doesn't track, repeat the adjustment and check the paper tracking. Once all adjustments are completed, it is recommended to pin the Feed Roller Bearings to the machine (2 pins per bearing).

Set the backlash of the spur gears by properly positioning the Small Spur Gear.

1. Place an indicator on a tooth of the Small Gear. Rotate the Large Gear/Feed Roller in 45° increments and check the backlash at the Small Gear for each increment.
2. Mark the Large Gear where the backlash was measured to be the smallest. This is the tooth engagement position of the Large Spur Gear where the backlash must be set. Rotate the Large Gear to this position.
3. Adjust the backlash by repositioning the Small Gear Mount and Small Gear Bearing on the machine side plate. Move the Small Gear to engage with the Large Gear so the backlash is measured to be between 0.002" – 0.005". Although the theoretical center to center distance between the spur gears is 4.875", the actual value could be slightly different in order to achieve the correct backlash engagement.
4. Secure all parts and lubricate the gears with grease.



SERVICE BULLETIN

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CONTACT INFORMATION

Parts orders and customer communication can be made using telephone, FAX, or e-mail. Contact can still be made using the **main** telephone switchboard at 414-354-8050 or FAX number 414-354-8614. Sending a FAX **directly** to the Service Department, at 414-354-1710, will convey a faster response. If using e-mail and no response is made within 3 working days, please contact via phone or FAX.

Parts orders & inquiries can be directed to Holly Warner or Vicky Alcaraz using telephone, FAX, or e-mail. Please make sure to carbon copy (CC) **both** Holly Warner and Vicky Alcaraz in **all** e-mails containing parts orders. Service issues & support can be directed to Mike Ferguson or Bill Paplham; please carbon copy (CC) **both** Mike Ferguson and Bill Paplham in **all** e-mails. Electrical issues and support directed to Larry Spencer. Contact Bill Paplham for scheduled service trips and Mike Ferguson for training.

BILL PAPLHAM TECHNICAL SERVICE 414-362-8271 bpaplham@papermc.com	MIKE FERGUSON TECHNICAL SERVICE 414-362-8228 mferguson@papermc.com	LARRY SPENCER ELECTRICAL APPLICATIONS SERVICE ENGINEER 414-362-8232 lspencer@papermc.com	HOLLY WARNER PARTS SERVICE 414-362-8259 hwarner@papermc.com	VICKY ALCARAZ PARTS SERVICE 414-362-8263 valcaraz@papermc.com	JESSICA MOJICA PARTS SERVICE 414-362-8227 jmojica@papermc.com
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