



Weiss WBL290F Lathe Spindle Break-In

Congratulations on the purchase of a Weiss lathe. The spindle break-in procedure distributes lubrication throughout the bearings in order to reduce the risk of premature bearing failure. It eliminates any "dry" spots or areas where lubrication may have settled in the bearings. You must complete this if the machine is new, or if it has been sitting idle for longer than 6 months. Always begin the spindle break-in at the lowest possible speed to minimize wear. The break-in procedure helps minimize any potential wear that could occur before lubrication is fully distributed. Failure to do this could cause rapid wear-and-tear of spindle bearings and / or void the warranty.

1. Put on safety glasses!
2. Please first read the manual and educate yourself on the proper operation of a lathe. Operating a lathe can be inherently dangerous. A lathe can seriously injure or even kill you if not operated correctly. Simply reading the manual is not enough education to safely run a lathe.
3. Ensure the chuck is tight and chuck key removed.
4. On the apron, ensure the half nut lever is "up" and disengaged. Manually move the carriage towards the tailstock, away from the chuck.
5. On the apron, ensure the power feed lever is in the neutral and disengaged position.
6. Below the headstock, ensure the power feed / leadscrew selector knob is in the "neutral" position.
7. Unplug the lathe and remove it from any source of power. We cannot overstate the importance of removing power anytime the gearbox cover is removed.

ALWAYS UNPLUG THE LATHE AND REMOVE ALL SOURCES OF POWER BEFORE THE GEARBOX COVER IS REMOVED

8. Open the gearbox door. Ensure the speed belt is in the outermost position "A" for low speed operations. Close the door.
9. Ensure the RPM dial is at the lowest possible position (rotate knob counter-clockwise).
10. Reconnect power to the lathe.
11. Turn the direction switch to the forward or "F" position.
12. Press the green ON button. The LED speed display should light up in red.
13. Rotate RPM dial until spindle speed is 200 RPM and run lathe for a minimum of 10 minutes.
14. Without stopping lathe, increase spindle speed to 600 rpm for 10 minutes.
15. Without stopping lathe, increase spindle speed to 1,000 rpm for 10 minutes.
16. Slowly reduce RPM to zero.
17. Turn the direction switch to the reverse or "R" position.
18. Press the green ON button. The LED speed display should light up in red.
19. Rotate RPM dial until spindle speed is 200 RPM and run lathe for a minimum of 10 minutes.
20. Without stopping lathe, increase spindle speed to 600 rpm for 10 minutes.
21. Without stopping lathe, increase spindle speed to 1,000 rpm for 10 minutes.
22. Slowly reduce RPM to zero.
23. Turn the direction switch to "0".

Congratulations - Lathe spindle break-in is complete!