



Weiss WBL210V 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. Ensure the half nut lever (carriage feed lever) is "up" and disengaged. Move the carriage towards the tailstock, away from the chuck.
5. 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

6. Remove the gearbox cover. Ensure the speed belt is in the outermost position "A" for low speed operations. Close the cover and reconnect power to the lathe.
7. Make sure the Emergency Stop "mushroom" button is not depressed. Rotating it clockwise will allow it to "pop up" to the run position.
8. Ensure the RPM dial is at the lowest possible position (rotate knob counter-clockwise).
9. Turn the direction switch to the forward or "F" position.
10. Press the green ON button. The LED speed display should light up in red.
11. Rotate RPM dial until spindle speed display shows 50 RPM and run lathe for a minimum of 10 minutes.
12. Without stopping lathe, increase spindle speed to 600 rpm for 10 minutes.
13. Without stopping lathe, increase spindle speed to 1,200 rpm for 10 minutes.
14. Reduce RPM to zero and then press the Emergency Stop button.
15. Unplug the lathe and remove it from any source of power.
16. Remove the gearbox cover. Move the speed belt to the innermost position "B" for high speed operations. Close the cover and reconnect power to the lathe.
17. Reset the Emergency Stop button.
18. Press the green ON button. The LED speed display should light up in red.
19. Rotate RPM dial until spindle speed display shows 1,200 RPM and run lathe for a minimum of 10 minutes.
20. Without stopping lathe, increase spindle speed to 2,500 rpm for 10 minutes.
21. Reduce RPM to zero and then press the Emergency Stop button.
22. Set spindle direction switch to "R", then reset the Emergency Stop button.
23. Press the green ON button. The LED speed display should light up in red.
24. Rotate the RPM dial to 1,200 RPM and run the lathe for 10 minutes.
25. Rotate the RPM dial all the way counterclockwise, then press the Emergency Stop button.
26. Turn the direction switch to "0".
27. Ensure the LED display blanks.

Congratulations - Lathe spindle break-in is complete!