

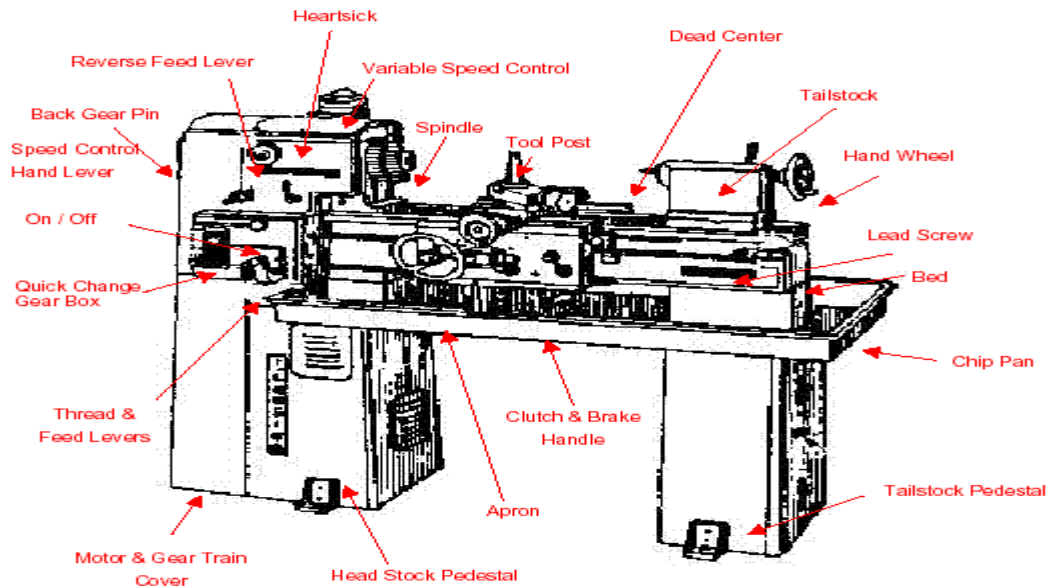
Metal Lathe Notes

Requirements:

Proper eye protection must be worn—operate only with instructor's permission and after proper instructions have been received.

1. When operating this machine you must wear proper eye protection, a face shield, pass ALL tests with 100 percent, and have your teacher's permission to operate it.
2. Never leave chuck key or wrench in the lathe chuck since they can be thrown easily, causing an accident.
3. Be sure that all parts of the carriage will clear any rotating part during the full length of the turning that you will be doing.
4. Place hands on the controls or at your sides, except when filing or polishing.
5. Make sure the work is secure and the lathe is set at the correct speed and feed rate before you start.
6. Handle chucks and face plates very carefully.
7. Bring lathe to a complete stop before reversing.
8. Remove tool holder and post before you begin to file or polish.
9. Remove chips with a table broom brush, never by hand.
10. Do not stop a lathe chuck with anything. Allow it to slowly coast to a stop. Remember to keep hands and any other body parts away from all moving parts.
11. No loose clothing!

Metal Lathe Parts



Metal Lathe Written Test

Use the correct heading and write the answers on your own paper. Use the BEST answer to complete the following:

1. When operating this machine you must wear proper eye protection, a _____, pass ALL tests with 100%, and have your teacher's permission to operate it.
2. You should (Leave Remove) the chuck key or wrench in the lathe chuck.
3. Be sure that all parts of the carriage will (Clear Touch) any rotating part during the full length of the cut.
4. Place hands on the controls or (On the object At your sides), except when filing or polishing.
5. Make sure work is (Loose Secure) and lathe is set at correct speed and feed rate before you start turning.
6. You (Can Cannot) SAFELY adjust tool bit when tool holder is hand-held.
7. Bring lathe to a (Half Full) stop before reversing.
8. Remove tool holder and post (After Before) you begin to file or polish.
9. Remove chips with (A table broom Your hands).
10. You (Should Should not) stop a lathe chuck with anything.
11. You (Do Do not) need to keep hands and any other body parts away from all moving parts.
12. It (Is Is not) SAFE to wear loose clothing.

List five SAFETY procedures you should do before you operate this machine:

13. _____
14. _____
15. _____
16. _____
17. _____

Metal Lathe Written Test Key

1. Face shield
2. Remove
3. Clear
4. At your sides
5. Secure
6. Cannot
7. Full
8. Before
9. A table broom
10. Should not
11. Do
12. Is not

List five SAFETY procedures you should do before you operate this or any machine:

1. Tuck in your shirt.
2. Secure your hair.
3. Remove jewelry.
4. Wear Z87 safety glasses.
5. Work with a partner.
6. Listen for and report any problems immediately.
7. Make sure that all guards are in place and working.
8. No horseplay.
9. Keep work area clean.
10. Protect hands.