

CHAPTER 24 Band Saw

Matching

Directions: Identify the parts of the band saw shown in Fig. 24-1. On the line next to the name of each part, write the letter from the illustration that shows the part.

- _____ 1. upper wheel guard
- _____ 2. blade
- _____ 3. table
- _____ 4. guide post lock
- _____ 5. guide post
- _____ 6. switch
- _____ 7. base
- _____ 8. arm
- _____ 9. lower wheel guard
- _____ 10. blade guides

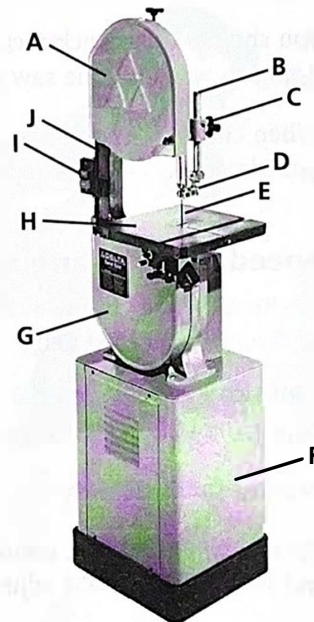


Fig. 24-1

Completion

Directions: On the line to the left of each sentence, write the word or phrase that correctly completes the sentence or answers the question.

- _____ 11. When using a band saw, you should maintain a(n) ___-inch margin of safety.
- _____ 12. Sawing stock to reduce its thickness is known as ___.
- _____ 13. The process of cutting several pieces at one time is known as ___.
(two words)
- _____ 14. To crosscut using a band saw, you should use a(n) ___ gauge.
- _____ 15. The best way to cut a circle using a band saw is to use a(n) ___ jig.

(Continued on next page)

True or False

Directions: Read each statement carefully. If the statement is true, write **True** in the blank to the left of that numbered item. If the statement is false, write **False** in the blank.

- _____ 16. When operating a band saw, you should stand facing the blade and slightly to the left.
- _____ 17. Move the stock into the blade as slowly as possible to avoid burning the wood.
- _____ 18. In general, you should make long cuts before short cuts.
- _____ 19. You should never backtrack out of a corner of a rectangular opening because doing so will bind the saw blade.
- _____ 20. When cutting sharp curves, it is a good idea to make several relief cuts from the outside edge in the waste stock.

Step-by-Step Procedures: Changing a Band-Saw Blade

Directions: Match each item in Column I with the correct step number in Column II. Write one letter in the blank at the left of each numbered item.

- | Column I | Column II |
|---|-----------|
| _____ 21. Adjust the tension of the saw with the vertical adjustment. | A. Step 1 |
| _____ 22. Remove the old blade. | B. Step 2 |
| _____ 23. Open the guard doors, remove the pin in the table slot, and loosen the vertical adjustment. | C. Step 3 |
| _____ 24. Slip the new blade onto the upper and lower wheels, with the teeth pointing downward. | D. Step 4 |
| _____ 25. Disconnect the machine. | E. Step 5 |