

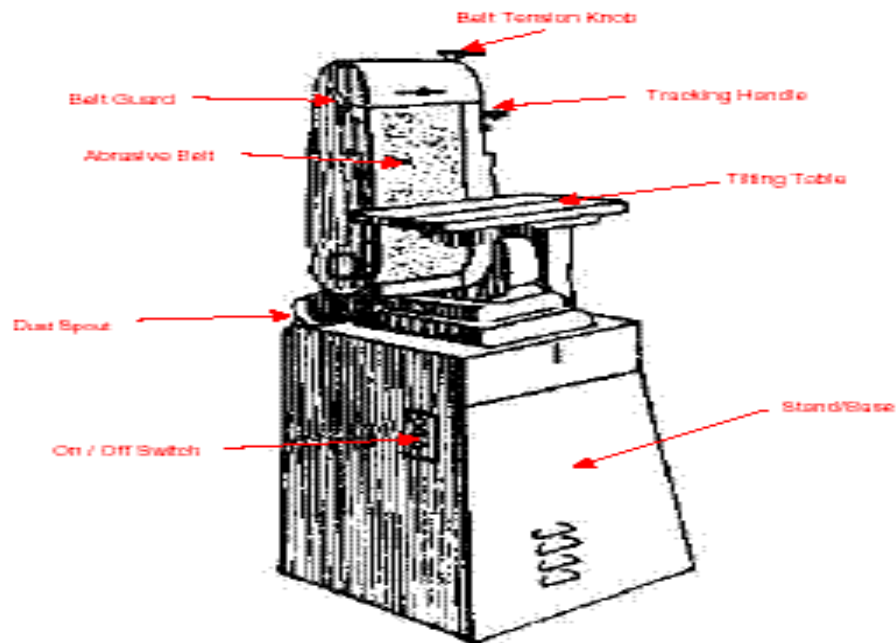
## ***Belt Finishing Sander Notes***

### **Requirements:**

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

1. Make sure there is adequate, strong tension on the belt and that it is not torn.
2. Make all adjustments, except final belt tracking, with the power off.
3. When changing belts, make sure the new belt runs as arrows indicate.
4. Adjust table to within 1/16 inch of the abrasive belt.
5. Sand on the down stroke of the belt sander.
6. Machine-sand only objects large enough to hold safely against the belt.
7. Move stock evenly and steadily over the abrasive surface of the sander.
8. Keep hands clear of the abrasive belt while operating and keep material flat on the table.

### ***Belt Finishing Sander Parts***



## ***Belt Finishing Sander Written Test***

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

1. Safety glasses ( **Are**  **Are not**) the only protective clothing that you need to wear.
2. Use a ( **Push block**  **Your fingers**) to hold thin material against the belt.
3. The wood should be ( **Wet**  **Dry**), with no resin, paint, or finish on it and with no nails or other hardware in it.
4. The abrasive belt on the sander must be in good condition. Belts containing small rips or burns are ( **Permissible**  **Not OK**) to use.
5. The belt track must be adjusted with the power ( **Off**  **On**).
6. The table must be ( **1 inch**  **1/16 inch**) from the belt.
7. The work must be kept ( **Stationary**  **Moving**) while sanding.
8. If the machine is not working properly, you should:  
\_\_\_\_\_

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

9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_

### ***Belt Finishing Sander Written Test Key***

1. Are
2. Push block
3. Dry
4. Not OK
5. On
6. 1/16 inch
7. Stationary
8. Turn if off, unplug, and tell your instructor.

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.

### III. Written Test

#### Belt Sander Safety and Operation

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

Multiple Choice - Place the letter of the most correct answer on the answer sheet.

1. What personal protective equipment should be worn when using the belt sander?
  - a. Safety glasses
  - b. Safety glasses and hearing protection
  - c. Safety glasses, hearing protection, and a dust mask
  - d. Safety glasses, hearing protection, dust mask, and gloves
  
2. How should the belt sander be placed when setting it down after sanding?
  - a. On its side
  - b. On its Belt
  - c. In a belt sander stand
  - d. Either a or c
  
3. If the belt sander operator exits the sanding area, what should he/she do before leaving?
  - a. Put the sander on the floor.
  - b. Place the sander in a sander stand.
  - c. Lock the sander trigger switch.
  - d. Unplug the belt sander.
  
4. To loosen the sanding belt when changing the sanding belt the operator \_\_\_\_\_ to loosen the old belt.
  - a. moves the belt striker bar
  - b. move the belt track adjusting knob
  - c. pushes down on the front belt pulley
  - d. pushes down on the rear belt pulley
  
5. To avoid uneven sanding spots in the wood the belt sander operator should \_\_\_\_\_.
  - a. hold up on the belt sander.
  - b. ~~move the sander back and forth~~ in smooth even strokes.
  - c. move the sander rather fast.
  - d. apply only light down pressure when sanding.
  
6. When the sanding operation is completed the operator should \_\_\_\_\_.
  - a. turn off the belt sander immediately.
  - b. let the sand belt come to a stop while resting on the wood.
  - c. pullout the electrical cord.
  - d. raise the sander off the wood and allow the bet to come to a stop.

7. If the belt sander extends over the end of the material while it is being sanded it will

\_\_\_\_\_.

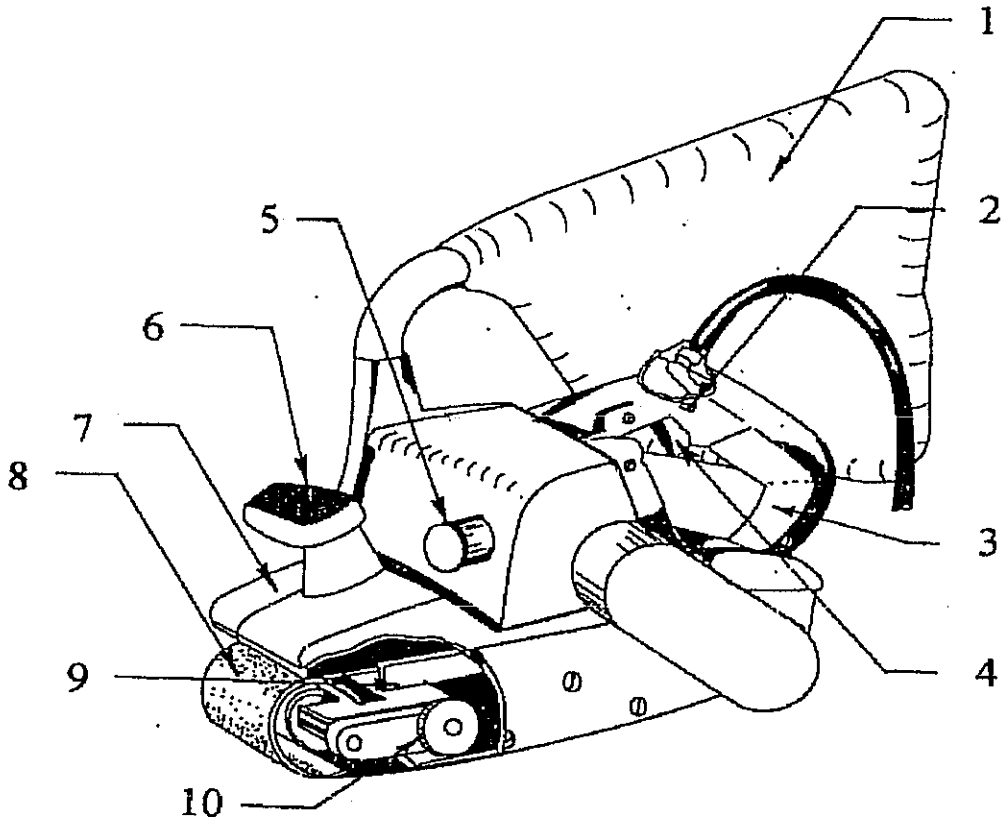
- a. cause no harm.
- b. remove an excessive amount of material from the end.
- c. cut and break the sand belt.
- d. cause the sand belt to need a track adjustment.

## Belt Sander Parts Identification Test

Name \_\_\_\_\_

Match the number of each belt sander with the correct part name.

- \_\_\_ A. Aluminum Housing
- \_\_\_ B. Belt
- \_\_\_ C. Belt Striker Bar
- \_\_\_ D. Brush Holder Belt
- \_\_\_ E. D-Handle
- \_\_\_ F. Dust Bag
- \_\_\_ G. Front Handle
- \_\_\_ H. Switch Lock
- \_\_\_ I. Track Adjusting Knob
- \_\_\_ J. Trigger Switch



#### IV. Performance Test for the Belt Sander

The student performs the following while operating the belt sander.

	Yes	No	N/A
1. Safety glasses are worn while the sander is being used.	___	___	___
2. Hearing protectors and gloves are worn when the portable belt sander is being operated.	___	___	___
3. The belt sander is held firmly in both hands as the switch is turned on.	___	___	___
4. The portable belt sander has stopped rotating before it is laid down.	___	___	___
5. The electrical and extension cords are positioned away from the work being performed.	___	___	___
6. When the sanding belt is replaced on the portable belt sander the electric cord is unplugged.	___	___	___
7. The student can remove and replace the sanding belt on the belt sander.	___	___	___
9. The student can safely control the belt sander and perform satisfactory sanding work.	___	___	___

I do hereby certify that the student has satisfactorily demonstrated ability to operate the belt sander by passing this performance test.

\_\_\_\_\_  
Student                      Date                      Teacher                      Date