

Blades

Blade Mounting System

(See Figure 8.) The blade first is clamped securely between two mounting blocks in the blade mounting fixture. Then, installed on the saw, each mounting block (A) is engaged by a spring-loaded lock pin (B) in the upper (C) and lower (D) arm assemblies. Blade tension is controlled by the tension knob (E). Turning the knob clockwise increases tension, counterclockwise decreases tension. The tensioning system produces a clicking sound. The blade, when plucked like a guitar string, will make high pitched sounds as tension increases and low pitched as tension decreases.

The V-shaped blade backup (F) is located behind the blade and is adjustable by means of the set-screw (G). It supports the blade and keeps it from being moved out of alignment. The blade guard (H) provides air from the pump to keep the cutting area free of sawdust. Also it prevents accidental finger contact with the blade.

The hold-down (I) is adjusted to hold the workpiece against the table at a constant pressure. It can be pivoted in either direction to match the tilt of the table.

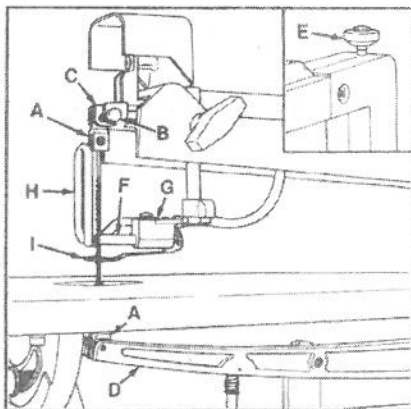


Figure 8. Blade mounting system.

Installing Blades

Select the proper blade for the type of material and profile being cut. Refer to "Scroll Saw Blades".

To install blades you'll first have to mount the mounting block assemblies to the blade mounting fixture provided with the scroll saw. (See Figure 9.) Second you'll mount the blade in the mounting block assemblies. Then you'll install the blade and mounting block assemblies onto the scroll saw.

The blade must be properly mounted and tensioned. **This is critical.**

Mount the blade properly according to the following procedures:

WARNING

Turn off and unplug the unit before removing and installing blades.

1. Install mounting block assemblies on blade mounting fixture. (See Figure 9.) Slip a mounting block assembly (32, 33, 34) onto the fixture locating pin, with the small V-notch in the mounting block assembly facing up. Press the mounting block assembly against the fixture post. Then tighten the fixture knob to lock the mounting block assembly in position.

Repeat the procedure to install the other mounting block assembly. The heads of the screws (34) will be on opposite sides of the fixture.

2. Install one end of blade. (See Figure 9A.) With the mounting block assembly screws (34) loosened, seat the blade (teeth up) between the holder (32) and clamp (33) of one mounting block assembly. The blade end must touch the screw (34) and the blade must rest on the shoulder of the mounting block assembly. Securely tighten the screw (34).

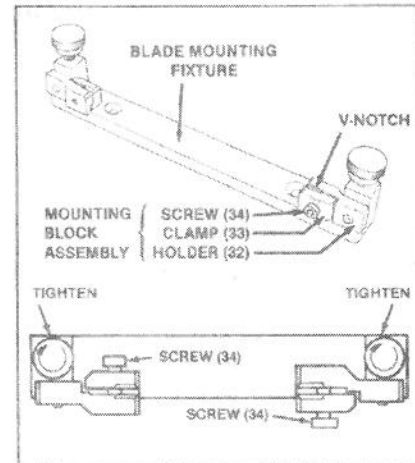


Figure 9. Install the mounting block assemblies on the blade mounting fixture.

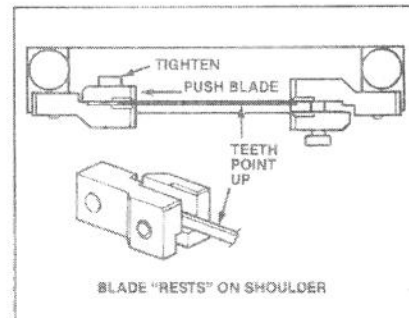


Figure 9A. Install one end of the blade.

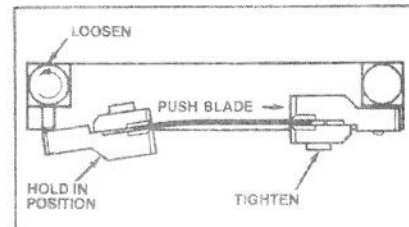


Figure 9B. Install the other end of the blade.

NOTE

If you're mounting a blade less than .030" wide, the blade must be **centered** (top to bottom) in the clamping surface of the mounting block assembly. The blade must **not** rest on the shoulder.