



UPPER SAW GUARD/SPLITTER

ITEM No. 505627

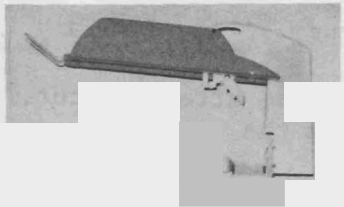


Fig. 1

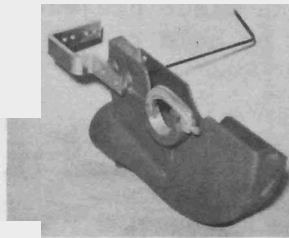


Fig. 2

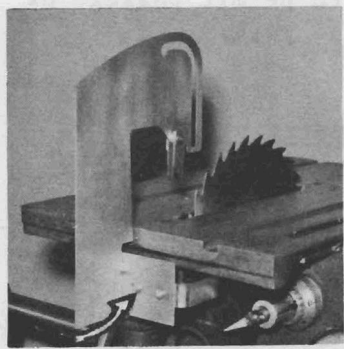


Fig. 3

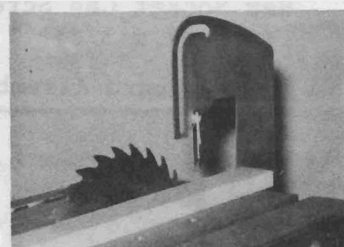


Fig. 4

The upper Saw Guard/Splitter fits either SHOPSMTIH Mark VII or Mark V. It mounts on the under table Sawdust Collector/Guard (Item Nos. 505628 for Mark V or Mark VII or 505705 for Mark VII only) but cannot be used separately. The upper guard adjusts automatically to the thickness of wood being cut, while the splitter blade keeps the saw kerf from closing on the blade during ripping cuts.

MOUNTING... First attach extension bracket to under table Collector/Guard. The bracket does not interfere with the use of the Collector/Guard and once mounted should be left on at all times.

Screw the end of the bracket which has two tapped holes to the two round bosses on the left side of the Collector/Guard (Fig. 2). Use two $\frac{1}{4}$ -20 button head cap screws to fasten it. The other end of the bracket (with four holes) must extend behind the Collector/Guard above the sawdust chute. Tighten the screws securely with your SHOPSMTIH standard Allen wrench.

Mount the saw blade on the main spindle, and attach the Collector/Guard and bracket. The initial adjustment requires positioning the blade in the middle slot of the table and setting the table at its lowest elevation and at "0" on the table trunnion. Mount the splitter assembly to the bracket with two button head cap screws (Fig. 3). Use the holes which position the splitter to the right (from the front) for 505628 (Mark V or Mark VII) Collector/Guard, or to the left for 505705 (Mark VII only) Collector/Guard. Leave screws slightly loose.

Due to manufacturing variations, the splitter may need slight adjustment to fit your individual machine. This adjustment is necessary the first time only that the splitter is mounted. Proceed as follows:

Adjust the beveled vertical edge of the splitter throat to be in line with the saw blade at table height, using a straight piece of wood on the table and against the blade and splitter (Fig. 4). Moderately tighten screw next to angle of splitter. Then adjust upper part of splitter throat to be in line with saw blade by angling the wood upward from the blade. Tighten both mounting screws securely.

If, after the vertical leading edge of the splitter has been adjusted in line with saw blade, the front and/or rear portions are not in line, adjust by mounting the floating guard casting (see next paragraph). Using the casting as a lever, spring the splitter blade so as to bend it a little at a time until it is in line with the saw blade throughout.

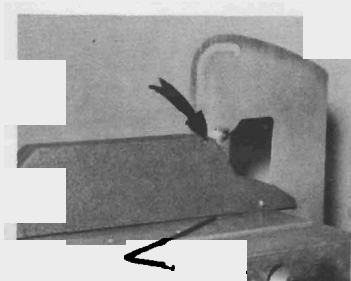


Fig. 5

Before mounting the floating guard, assemble the wire lead-in shoe by pushing the knurled tips into the two holes in the front of the casting. Mount the guard by inserting its rear projection between the saw blade and the anti-kickback fingers and engaging the slit in the extension with the splitter. Rest the guard on the table and assemble the #10-32 Allen head cap screw in the hole at upper rear corner of the guard (Fig. 5). The screw must go through the curved slot of the splitter and be screwed all the way in so that the head rides in the splitter slot.

HOW TO USE THE UPPER SAW GUARD/SPLITTER

The upper guard covers the blade before, during and after the cut. It lifts automatically and rides the work during the saw pass.

The guard will stay up out of the way for measuring and making settings. Lift it near the front, and move it toward the rear (Fig. 6). Lift and pull forward to lower.

The anti-kickback fingers will function only if the blade projects correctly above the work. Blade projection should be held to a maximum of $\frac{1}{2}$ " above work.

When raising the table to saw stock 1-3/4" thickness or less, be sure to hold the anti-kickback fingers clear of the table (Fig. 7).

When tilting the table for bevel cutting, place the guard in elevated set-up position. Lower it to working position after making setting. For all bevel and cross mitering cuts, feed the work slowly to prevent the guard from being pushed sideways into the blade. If the guard binds before lifting to permit passage of the stock, lift it manually to start it over the work.

IMPORTANT

Treat all cut-offs as you would if you were operating without a guard. Do not attempt to remove short pieces until you have shut off the machine and the blade has stopped turning.

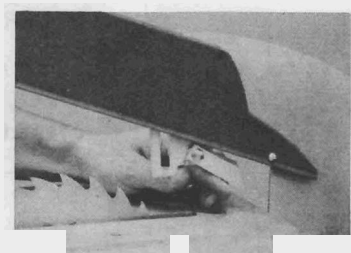


Fig. 7

PARTS LIST

<u>Part No.</u>	<u>Name</u>	<u>Part No.</u>	<u>Name</u>
506167	Guard - Upper	507470	Splitter Assembly
504632	Shoe	507183	Extension Bracket
504630	Spacer Washer	506176	Button Hd. Cap Screw ($\frac{1}{2}$ -20 x 5/8)
145159	Tapping Screw (#10-24 x 1-1/4)	217920	Hex Socket Cap Screw (#10-32 x 3/8)
		505627	Entire Guard Assembly



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