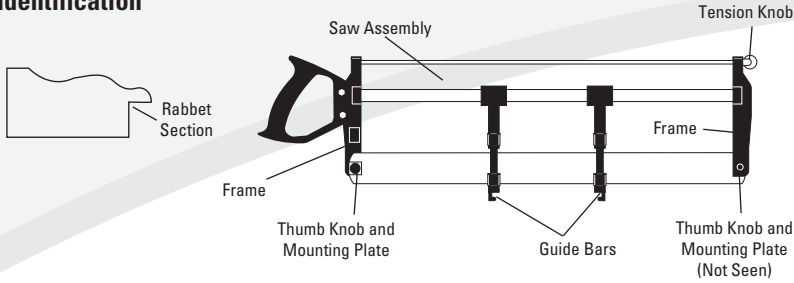


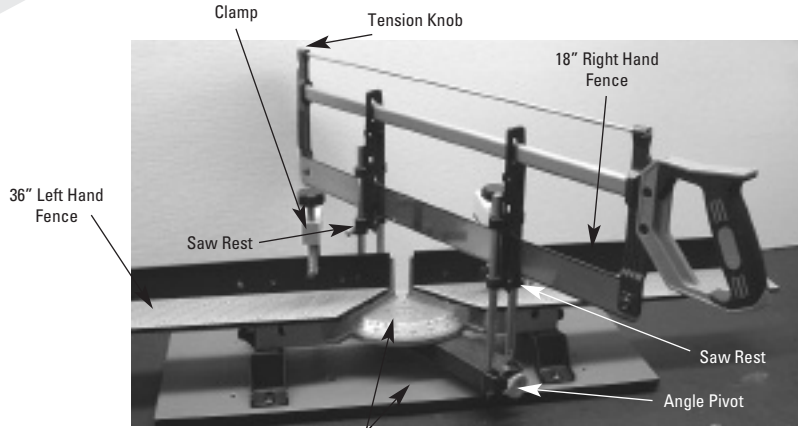
Identification



Description

The Pro Saw Model F100-2 is a complete framing saw system which will produce precise 45° miters for picture frame corners. Features include measuring scales, fence stop, adjustable angle setting, two moulding clamps and a specially designed saw for close tolerance cutting. Producing quality picture frames is easier now than ever.

The Pro Saw Model F100-2 has undergone some recent design and feature updates. While usage instructions remain essentially the same, you may notice that your saw differs slightly in appearance from the saw shown in the instruction manual, as well as on the enclosed DVD.



Angle Pivot - Adjustment arm holds saw assembly. Rotate to various angle settings from 45° to 90° to 45°.

Clamp - Quick slide moulding clamp used to keep moulding secure for cutting.

Clamp Rods - Clamp support rods.

Fence and Scale - 36" to left section and 18" right section. The scale is specially designed for measuring 45° picture frame miters.

Saw Rests - Device holds up saw so moulding can be maneuvered on fence.

Leg - Support for 36" fence section.

Rabbet - Undercut of moulding which holds frame material.

Saw Assembly - Saw blade is 24 tooth/inch for precise cutting. Knob allows simple blade change.

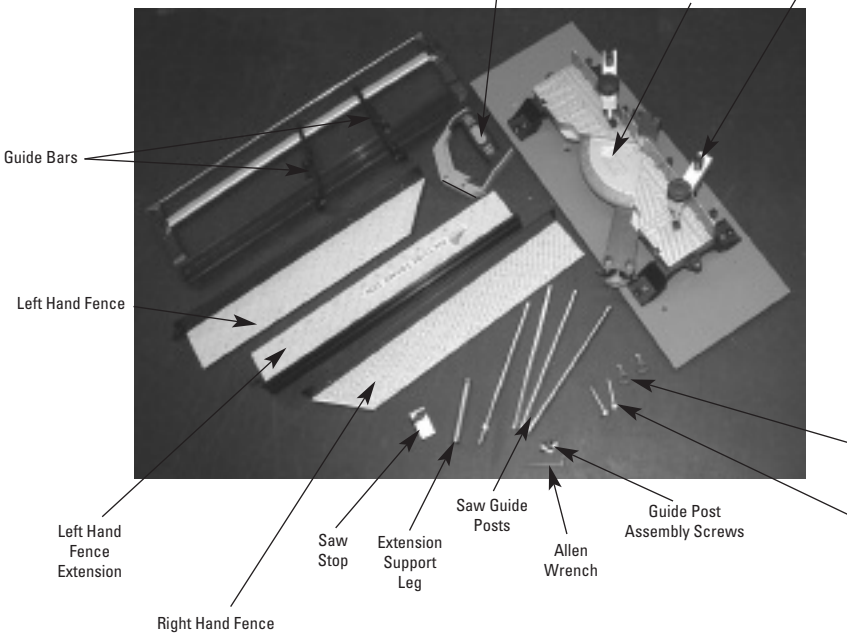
Saw Body and Base Board - Main platform of saw.

Saw Stop - Allows moulding to be cut in identical lengths.

Tension Knob - For keeping blade stiff.

Thumb Knob and Mounting Plate - Holding blade to frame.

Parts List



Parts List

18" Fence Extension	1
18" Left Hand Fence	1
18" Right Hand Fence	1
Allen Wrench	1
Bench Mounting Lag Bolts	2
Fence Connector Screws	4
Saw Handle with Screw Nuts	1
Saw Guide Posts	4
Guide Post Assembly Screws	4
Extension Support Leg	1
Main Saw Assembly	1
Saw Rests	2
Saw Stop	1

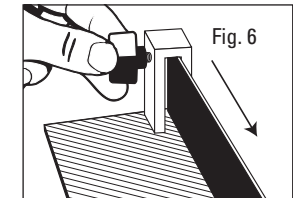
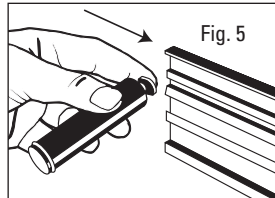
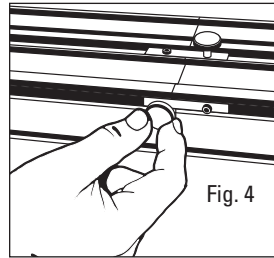
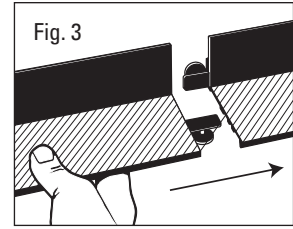
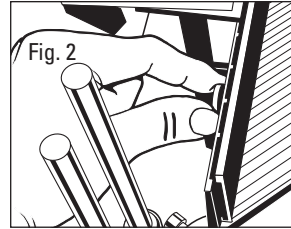
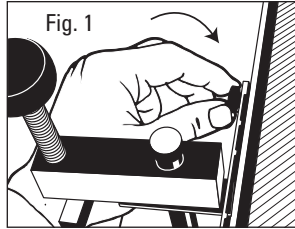


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Assembly Procedure

A. Fence

1. Tighten both rear **thumb screws** (Fig. 1 & 2).
2. Repeat steps 1 and 2 for **left hand fence**.
3. To attach **extension fence**, feed the fence section into **connectors** extending from one another (Fig. 3).
4. Tighten **connectors** with **thumb screws** (Fig. 4).
5. To attach **leg**, turn **saw base** on it's side.
6. Loosen screw on support leg, then slide **leg** with screw tab attached into channel of fence extension to the desired position (Fig. 5).
7. Tighten **leg** by turning **leg** until secure.



B. Stop

1. Slide moulding **stop** onto fence (Fig. 6).
2. Tighten knob to lock.

Mounting-Optional

- **Mount base board to table using mounting screws supplied. Drill 1/4" (6mm) pilot holes for bolts.**



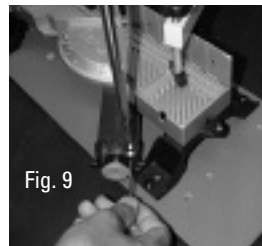
C. Handle

1. Be sure not to lose the two nuts.
2. Slide **handle** onto end of **saw** and line up the bolt holes (Fig. 6).
5. Using Allen Wrench, tighten screws to secure handle (Fig. 8).



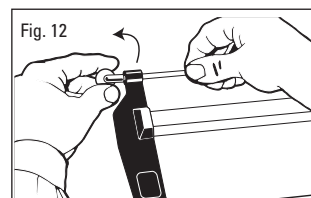
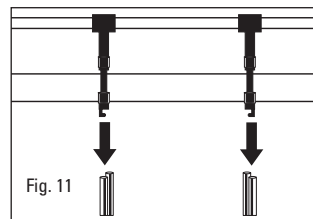
D. Saw

1. To insert the four **saw guide posts** into the **saw assembly**:
 - a. Place the four **saw guide posts** into position on the **angle pivot**.
 - b. Insert the **guide post assembly screws** with the screwhead facing outward in the slot in front of each **saw guide post**.
 - c. Using the **Allen wrench**, tighten the screw heads (Fig. 9).
2. To install the **saw rests**, slide one each onto both the front right and back left guide posts (Fig. 10).
3. Slide **saw** onto rods with **handle** onto same side as **angle pivot** handle (Fig. 11).



E. Blade Changing

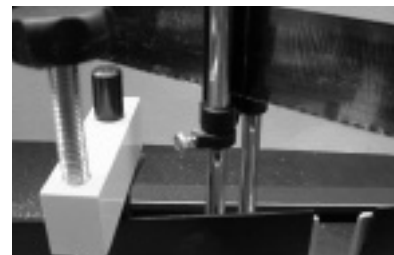
1. Loosen tension knob but do not totally remove (Fig. 12).
2. Slide **blade** free of **guide bars**.
3. Reverse steps 1-3 for replacing with new blade.
Note: Be sure blade teeth are angled pointing away from handle.



Saw rests explained.

The **saw rests** are an added feature to raise the saw out of the way while the moulding is being positioned.

To use the rests, first raise the saw upward on the guideposts. Next, slide the saw rests upward on the guidepost into position and tighten the screw.



Preparation

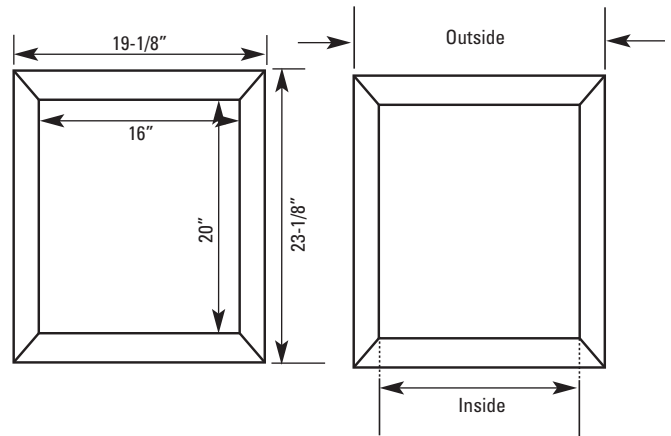
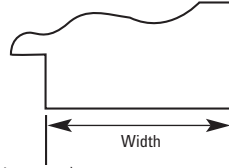
A. Calculate Amount of Moulding Needed

1. Inside length and outside length differ because of 45° miter.

To calculate actual length needed (outside length) use this formula:

Outside length = (inside length) + (2 x moulding width) + (1/8" clearance)

Clearance: Allows frame material room to fit into frame.



EXAMPLE:

Inside dimensions = 16" x 20"

Moulding width = 1-1/2"

Outside Lengths = $16" + (2 \times 1-1/2") + 1/8" = 16" + 3" + 1/8" = 19-1/8"$
 $20" + (2 \times 1-1/2") + 1/8" = 23-1/8"$

So... 2 pieces x 19-1/8" = 38-1/4"
 2 pieces x 23-1/8" = 46-1/4"

TOTAL 84-1/2"

Needed :

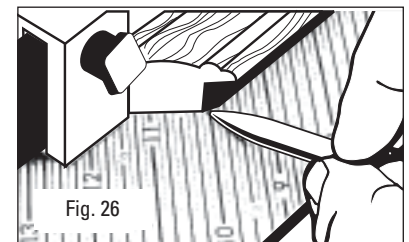
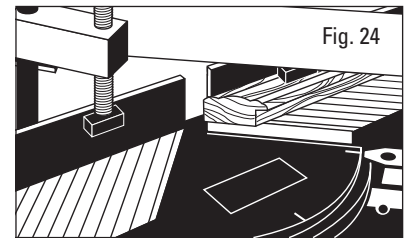
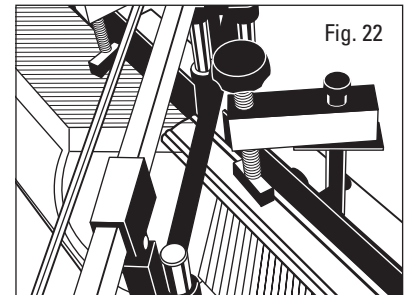
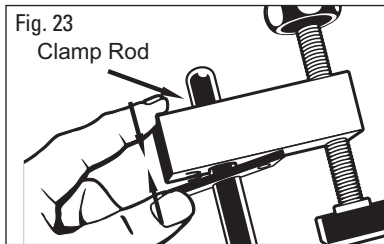
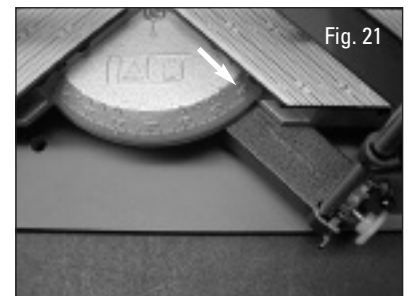
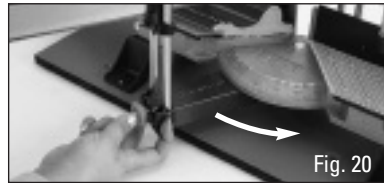
Either 2 pieces 19-1/8" and 2 pieces 23-1/8" or

1 piece 38-1/4" and 1 piece 46-1/4" or 1 piece 84-1/2"

Operation

A. First Cut

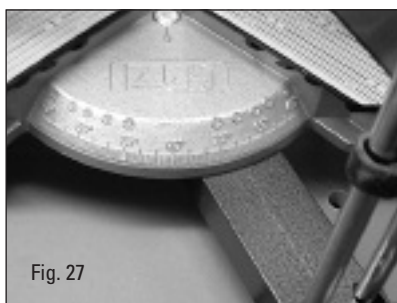
1. Set angle pivot to 45° on right side by pressing pivot button and rotating angle pivot until angle block arrow lines up with 45° (Fig. 20 and Fig. 21).
2. Place moulding against fence finished side up and rabbet facing operator.
3. Slide moulding under saw blade far enough so full 45° cut can be made.
4. Change clamp height by adjusting block or screw so foot is over center of moulding (Fig. 22). To adjust clamp, squeeze lock plate and slide (Fig. 23). To adjust foot, turn knob.
5. Cut moulding (Fig. 24).



- Set foot parallel to moulding and as close to saw blade as possible.
- By making long full strokes, accuracy is improved and cutting is easier.
- Always cut long pieces first. If mistake is made, shorter pieces can be salvaged.

B. Second Cut

1. Set pivot to 45° on left (Fig. 25).
2. Slide cut end of moulding to desired dimension and align rabbet corner on scale dimension (Fig. 26).



- Always allow additional 1/8" for clearance.

3. Set stop against moulding.
4. Clamp both sides of moulding if possible.
5. Cut moulding.
6. Deburr bottom cut edge using sandpaper, sander or file.

C. Operation for Cutting Multi Angled Frames

1. Five positive stops are built into saw, allowing for accurate settings for multi-sided frames. Following are the pre-set stop settings:

- 45 degrees = standard four sided frame
- 54 degrees = five sided frame
- 60 degrees = six sided frame
- 67 1/2 degrees = eight sided frame
- 75 degrees = twelve sided frame (Fig. 27)

2. Whatever type of frame is to be cut, you must set the saw swivel to the same degree setting on the left hand side to ensure that the frame will be cut correctly ready for sanding and joining.

It may be easier to write numbers on the pieces in the order they are cut to ensure that they are joined in the right order and also to ensure you have cut enough pieces. The numbers could be on the underside of the moulding pieces.

Trouble Shooting

Problem	Solution
Saw does not cut straight.	Increase blade tension using saw knob tension. Tighten both pivot screws on back of saw base equally. Tighten down on the angle block pointer, be sure you can still move the saw swivel from left hand 45° to the right hand 45° marks. Make sure the moulding is securely clamped.
Difficult or slow cutting.	Make sure the saw blade is correctly installed (teeth facing away from handle). Replace saw blade.
Clamp does not hold moulding securely.	Turn clamps 90° so that they press moulding into the base and back of fence. Make sure the clamp posts are tight.
Moulding lengths are not consistent.	Make sure fence is secure. Clamp left hand moulding first when using the stop. Remove any saw dust, splinters and debris from between the moulding and fence and moulding and the stop.

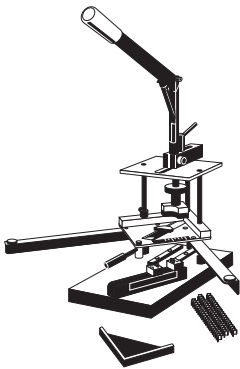
Warranty

Logan Graphic Products, Inc. ("Logan") warrants the Pro Saw - Model F100-2, to be free from defects in parts and workmanship for a period of one year from the date of original purchase. Logan warrants that it will either repair or replace, at its sole discretion, any necessary replacement parts found to be defective. Should the product need to be returned to Logan for repair or replacement parts, authorization for any return must come from Logan in writing. Costs of returning the product to Logan, including insurances, shall be borne by the purchaser. Logan shall not be liable for any damages or losses, incidental or consequential, direct or indirect, arising from the use of this product. This warranty extends only to the original purchaser and is not assignable or transferable. This warranty is in lieu of all other warranties, expressed or implied.

Exploded parts view available online at www.logangraphic.com

ALSO AVAILABLE FROM LOGAN GRAPHICS

Logan Graphics picture framing system includes all the tools and accessories you need to produce professional quality frames including...



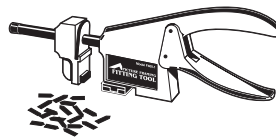
PRO JOINER

Model F300-2

Heavy duty professional-style joiner for precise corner joints

- V-nail alignment pins*
- Drives all V-nail sizes
- Fits mouldings up to 2 1/2"
- Can drive two nails at once

*Patent Pending



FITTING TOOL Model F400-1

Drives brads or point inserts into wood frames to hold contents in place

- Drives four different inserts
- No slipping or bending
- Easy adjust foot
- Use on hard or soft woods
- Patented rotating insert holder
- Proper drive angle assured
- No guessing or skill required

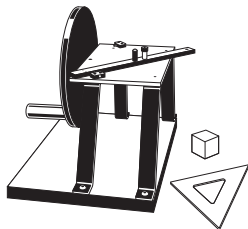
Replacement Points:

F9 - Multipoint Insert, 400 pcs.

F10 - Rigid Insert, 400 pcs.

F11 - Flexible Insert, 400 pcs.

F12 - Brad Nails, 300 pcs.



PRECISION SANDER Model

F200-1

Sands miters to perfect 45° angle for tight, square frames

- 10 lb wheel
- Adjusts 45° left, 90° and 45° right
- Micro adjustment for perfect 45°
- Also features pre-set stops for 5, 6, and 8 sided frames
- Aluminum oxide sand paper with life extending bar
- Sand up to 2 1/2" mouldings
- Dust removal bar



DUAL-DRIVE POINT DRIVER Model F500-1

Secure artwork, backing board and glass into hard or soft wood frames. Spring-loaded action drives both rigid and flexible points. For successful operation, use only authentic Logan points.

Replacement Points:

F53 - Flex Point Strip 600 pcs.

F54 - Rigid Point Strip 600 pcs.

F55 - Flex Point Strip 2,500 pcs.

F56 - Rigid Point Strip 2,500 pcs.



BOOKS

Complete and detailed directions featuring Logan's picture framing tools system. Learn inside secrets from professional framers for creating your own custom framed art.

Home Picture Framing - Model 245