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Delta 36-5100T2

Delta 10 in. Contractor Table Saw User Manual

Model: 36-5100T2

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Delta 10 in. Contractor Table Saw, Model 36-5100T2. Please read this manual thoroughly before operating the saw to ensure proper use and to prevent injury or damage.



Figure 1: Delta 10 in. Contractor Table Saw. This image shows the main components including the table, fence system, and blade guard.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This section highlights critical safety guidelines.

General Safety Rules:

- Read and understand all instructions before operating the tool.
- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating area.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect power before making adjustments or changing accessories.

Electrical Safety:

- Ensure the power source matches the tool's voltage requirements (120 Volts).
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool.
- Keep cord away from heat, oil, sharp edges, or moving parts.

3. SETUP

Proper assembly and setup are crucial for the safe and accurate operation of your table saw. Refer to the full user manual for detailed diagrams and step-by-step instructions.

Unpacking and Inspection:

- Carefully remove all components from the packaging.
- Verify all parts are present according to the packing list.
- Inspect for any shipping damage. Report any damage immediately to the carrier and supplier.

Assembly:

- Assemble the stand and attach the main table unit. Note that the cast iron table top and extension wings are heavy.
- Install the Biesemeyer style fence system. Ensure it slides smoothly and locks securely.
- Mount the blade and blade guard assembly.
- Connect the dust port to a suitable dust collection system (fits 2.5 in. hose with 4 in. adapter).

Initial Adjustments:

- Level the table surface, especially after installing the cast iron extension wings.
- Calibrate the blade angle (90 degrees and 45 degrees) and fence for accurate cuts.

4. OPERATING INSTRUCTIONS

This section covers the basic operation of the Delta 10 in. Contractor Table Saw.

Basic Operation:

- **Power On/Off:** Locate the power switch. Ensure the area is clear before starting.
- **Blade Adjustment:** Use the handwheel to adjust blade height and the tilt mechanism for angle adjustments (up to 45 degrees left).
- **Fence Adjustment:** Position the Biesemeyer style fence for the desired rip width. The fence system allows for precision cuts and can handle small stock.

- **Cutting:** Always use a push stick when cutting narrow pieces. Maintain firm control of the workpiece against the fence and table.

Cutting Capacity:

- Max. Depth of Cut at 90°: 3-1/8 in. (79.36mm)
- Max. Depth of Cut at 45°: 2-1/4 in. (57.2mm)
- Max. Rip Right of Blade: 30 in. (762mm)
- Max. Rip Left of Blade: 15 in. (381mm)
- Dado Capacity: 13/16 in. (20.64mm) x 8 in. (203mm)

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your table saw.

Cleaning:

- Disconnect power before cleaning.
- Regularly clear sawdust and debris from the table, fence, and motor housing.
- Clean the cast iron table top to prevent rust.

Lubrication:

- Lubricate moving parts, such as the blade height and tilt mechanisms, as recommended in the full manual.

Blade Care:

- Ensure the carbide blade is sharp and free of damage. Replace dull or damaged blades promptly.
- Clean resin and pitch buildup from the blade regularly.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Saw does not start	No power, tripped circuit breaker, faulty switch	Check power connection, reset breaker, inspect switch
Blade binds or cuts slowly	Dull blade, improper blade alignment, excessive feed rate	Replace/sharpen blade, check alignment, reduce feed rate
Inaccurate cuts	Fence not parallel to blade, blade not at 90/45 degrees, loose components	Calibrate fence and blade angles, tighten all fasteners

For more complex issues, refer to the complete user manual or contact Delta customer support.

7. SPECIFICATIONS

Attribute	Value
Brand	Delta

Attribute	Value
Model Number	36-5100T2
Power Source	Corded Electric
Voltage	120 Volts
Wattage	1800 watts
Current Rating	15 Amps
Speed	3450 RPM
Blade Length	10 Inches
Arbor	5/8 in. (15.88mm)
Max. Depth of Cut at 90°	3-1/8 in. (79.36mm)
Max. Depth of Cut at 45°	2-1/4 in. (57.2mm)
Max. Rip Right of Blade	30 in. (762mm)
Max. Rip Left of Blade	15 in. (381mm)
Dado Capacity	13/16 in. (20.64mm) x 8 in. (203mm)
Product Dimensions (L x W x H)	43"L x 30"W x 23"H
Item Weight	220 Pounds (106.14 kg)
Included Components	Carbide Blade
Special Feature	Legendary Biesmeyer Fence Accurate to 1/64"
UPC	847962006400

8. WARRANTY AND SUPPORT

Your Delta 10 in. Contractor Table Saw comes with a **5 Year Professional Warranty**.

For detailed warranty information, technical support, or to order replacement parts, please refer to the official Delta website or the full user manual.

You can download the complete User Manual (PDF) [here](#).