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Bosch GTS 254

Bosch GTS 254 Table Saw Instruction Manual

Model: 0601B450G0

PRODUCT OVERVIEW

The Bosch GTS 254 Table Saw is a powerful and precise tool designed for professional use and DIY enthusiasts. It features an 1800W motor and a 254mm blade, offering excellent cutting capacity and stability. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting.

Key Features:

- Robust and extremely flat table for stability and precise cuts.
- Smooth and accurate table extension, flush with the main table, for longer material support during cutting.
- Powerful 1800W motor combined with high cutting capacity.
- Includes an 80-tooth Optiline saw blade for fine cuts.
- Dust extraction port for connecting a vacuum cleaner, ensuring cleaner work environments.
- Designed for optimal performance with genuine Bosch accessories.



Image: The Bosch GTS 254 Table Saw, a robust and powerful tool for precise cutting tasks.

1. SETUP AND ASSEMBLY

Before operating the Bosch GTS 254 Table Saw, ensure it is properly assembled and all safety components are in place. Always refer to the included assembly diagrams for detailed steps.

1.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect for any shipping damage. Do not operate the saw if any damage is found.
- Verify all components listed in the packing list are present: main saw unit, stand, saw blade, miter gauge, push stick, parallel guide, and instruction manual.

1.2 Stand Assembly

1. Assemble the stand according to the diagrams provided in your manual. Ensure all bolts and fasteners are securely tightened.
2. Place the saw unit onto the assembled stand and secure it using the designated mounting points.

1.3 Blade Installation

1. **Disconnect the power supply before installing or changing the blade.**
2. Raise the blade to its maximum height.
3. Remove the blade guard and throat plate.
4. Use the provided wrench to loosen the arbor nut. Note that the arbor nut is typically left-hand threaded.
5. Install the 254mm saw blade, ensuring the teeth are pointing towards the front of the saw (upwards at the front of the table).
6. Tighten the arbor nut securely.
7. Reinstall the throat plate and blade guard. Ensure the blade guard moves freely.

1.4 Initial Adjustments

- **Blade Alignment:** Check that the blade is parallel to the miter slot and the rip fence. Adjust if necessary using the saw's calibration mechanisms.
- **Blade Bevel:** Verify the blade is at a perfect 90-degree angle to the table surface for straight cuts. Adjust the bevel stop if needed.
- **Rip Fence:** Ensure the rip fence locks securely and remains parallel to the blade throughout its travel.



Image: Bosch GTS 254 Table Saw with key dimensions: 1000mm height, 690mm depth, 620mm width. This illustrates the compact yet stable design of the saw.

2. OPERATING INSTRUCTIONS

Always prioritize safety when operating the table saw. Read and understand all safety warnings and instructions before use.

2.1 Safety Precautions

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask.
- Ensure the work area is clean, well-lit, and free of obstructions.
- Never operate the saw without the blade guard and splitter in place.
- Use a push stick for narrow cuts and to keep hands away from the blade.
- Do not wear loose clothing, jewelry, or have long hair untied that could get caught in moving parts.
- Always stand to the side of the blade, not directly in line with it, to avoid kickback injuries.
- Ensure the workpiece is firmly supported and guided.

2.2 Basic Operations

1. **Power Connection:** Connect the saw to a suitable 127 Volt power supply.
2. **Adjust Blade Height:** Set the blade height so that it is approximately 3-6 mm (1/8 - 1/4 inch) above the workpiece.
3. **Adjust Rip Fence:** For rip cuts, set the parallel guide to the desired width and lock it securely. Ensure it is parallel to the blade.

4. **Adjust Miter Gauge:** For cross-cuts, use the miter gauge to set the desired angle.
5. **Starting the Saw:** Press the ON button. Allow the blade to reach full speed before beginning the cut.
6. **Making the Cut:** Feed the workpiece slowly and steadily into the blade. Maintain firm contact with the table and the fence/miter gauge. Use a push stick when necessary.
7. **Stopping the Saw:** Press the OFF button. Wait for the blade to come to a complete stop before reaching over or removing any cut pieces.



Image: A user safely operating the Bosch GTS 254 Table Saw, wearing hearing protection and safety glasses, demonstrating proper technique for cutting wood.



Image: A user cutting a large wood panel on the Bosch GTS 254 Table Saw, highlighting the saw's capacity for wider materials with its table extension.

3. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Bosch GTS 254 Table Saw. Always disconnect the power supply before performing any maintenance.

3.1 Cleaning

- **After Each Use:** Clear sawdust and debris from the table, fence, and blade area using a brush or vacuum cleaner.
- **Blade Guard:** Ensure the blade guard mechanism is free of sawdust and moves smoothly.
- **Dust Port:** Regularly check and clear the dust extraction port to maintain efficient dust collection.
- **Motor Vents:** Keep the motor ventilation slots clean to prevent overheating.

3.2 Blade Care

- **Blade Sharpness:** A dull blade can cause kickback and poor cut quality. Replace or sharpen blades as needed.
- **Blade Cleaning:** Remove resin and pitch buildup from the blade using a specialized blade cleaner. This improves cutting performance and reduces friction.
- **Storage:** Store spare blades in a protective case to prevent damage to the teeth.

3.3 General Inspection

- **Cables and Plugs:** Inspect the power cord and plug for any damage. Replace immediately if damaged.
- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness. Tighten any loose fasteners.
- **Moving Parts:** Lubricate moving parts as recommended in the full product manual to ensure smooth operation.



Image: A selection of Bosch Optiline saw blades, emphasizing the importance of using appropriate and sharp blades for optimal performance and safety.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your Bosch GTS 254 Table Saw. For problems not listed here, contact Bosch service personnel.

Problem	Possible Cause	Solution
Saw does not start.	No power supply; tripped circuit breaker; faulty switch.	Check power connection and circuit breaker. Ensure the switch is fully engaged. If problem persists, consult a qualified technician.
Poor cut quality (rough cuts, burning).	Dull or dirty blade; incorrect blade type for material; improper feed rate.	Replace or clean the saw blade. Use a blade appropriate for the material. Reduce feed rate.
Blade binding or kickback.	Misaligned rip fence; dull blade; workpiece pinching; improper technique.	Ensure rip fence is parallel to the blade. Replace or sharpen blade. Use a splitter/riving knife. Maintain firm control of workpiece and use a push stick.
Excessive vibration or noise.	Loose blade; damaged blade; loose components; motor issues.	Check blade for tightness and damage. Inspect all fasteners for security. If motor noise is unusual, discontinue use and seek professional service.
Dust collection is inefficient.	Clogged dust port or hose; dust collector not powerful enough.	Clear any blockages in the dust port and hose. Ensure your dust collection system is adequately sized and functioning correctly.

5. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	0601B450G0
Brand	Bosch
Power Source	Corded Electric
Voltage	127 Volts
Wattage	1800 Watts
Blade Length / Diameter	254 Millimeters
Speed	4300 RPM
Product Dimensions (L x W x H)	37 x 71.5 x 76.6 cm
Item Weight	27.5 kg
Material	Elastomer, Metal, Polyamide

Feature	Detail
Blade Material	Carbide
Special Features	Depth Adjustment
Included Components	1 GTS 254 table saw, 1 instruction manual, 1 80-tooth blade, 1 miter gauge, 1 wrench, 1 parallel guide
Certification	ISO 9001

6. WARRANTY INFORMATION

The Bosch GTS 254 Table Saw comes with a limited warranty. For specific details regarding the warranty period and coverage, please refer to the warranty card included with your product or visit the official Bosch Professional website.

- **Standard Warranty:** Typically covers manufacturing defects for a specified period from the date of purchase.
- **Extended Warranty:** Bosch may offer extended warranty options upon product registration. Check the Bosch Professional website for current offers.
- **Return Policy:** Products purchased from Amazon.com.mx may be eligible for a 30-day return period. Refer to Amazon's return policy for details.

Keep your proof of purchase (receipt or invoice) as it will be required for any warranty claims.

7. CUSTOMER SUPPORT

For further assistance, technical support, or spare parts, please contact Bosch Customer Service or visit their official website.

- **Online Resources:** Visit the official Bosch Professional website for FAQs, product manuals, and service center locations.
- **Bosch Brand Store:** Explore other Bosch products and accessories at the [Bosch Professional Amazon Store](#).
- **Service Centers:** Locate authorized Bosch service centers for repairs and genuine spare parts.

When contacting support, please have your product model number (GTS 254) and serial number ready.