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SawStop TSG-DC

Instruction Manual

SAWSTOP DUST COLLECTION BLADE GUARD

Model: TSG-DC

Product Overview

The SawStop Dust Collection Blade Guard (Model TSG-DC) is designed to enhance the safety and cleanliness of your SawStop Cast-Iron Table Saw. This accessory provides effective above-table dust collection, significantly reducing airborne dust during operation. It is compatible with 1.75HP and larger SawStop Cast-Iron Table Saws and comes standard on 3HP and larger models. The guard features independent lateral slides that minimize blade exposure and allow for cuts as narrow as 3/4 inch. Integrated anti-kickback pawls further reduce the likelihood of kickback, contributing to a safer working environment. The dust port connects directly to your existing dust-collection system, and it is also compatible with the SawStop Overarm Dust Collection Assembly.



Figure 1: SawStop Dust Collection Blade Guard (Model TSG-DC).

Included Components

The SawStop Dust Collection Blade Guard package includes the following components:

- Blade Guard (Clear Plastic)
- Limiting Rod
- 1.5" Dust Port
- Anti-kickback Pawls (integrated)



Figure 2: Detailed view of the blade guard and its integrated components.

Setup and Installation

Proper installation of the Dust Collection Blade Guard is crucial for optimal performance and safety. This guard is designed to integrate with your SawStop table saw's existing riving knife mechanism.

1. **Prepare the Saw:** Ensure your SawStop table saw is unplugged and the blade is fully retracted. Remove any existing blade guard or riving knife if necessary, following your saw's specific instructions.
2. **Install the Guard:** The blade guard assembly attaches to the saw's riving knife slot. Align the base of the guard with the slot and secure it according to your SawStop table saw's manual. The anti-kickback pawls should be positioned to engage with the workpiece.
3. **Connect Dust Collection:** Attach a 1.5-inch dust hose from your dust collection system to the dust port located on the blade guard. Ensure a secure connection to maximize dust extraction efficiency.



Figure 3: The Dust Collection Blade Guard installed on a SawStop table saw, showing its position relative to the blade.



Figure 4: Connecting a dust collection hose to the integrated dust port on the blade guard.

Operating Instructions

The Dust Collection Blade Guard is designed for intuitive use, automatically adjusting to the material being cut. Always ensure your dust collection system is active during operation.

- **Power On:** With the guard properly installed and dust collection connected, power on your SawStop table saw and dust collection system.

- **Material Feed:** As you feed material into the blade, the clear plastic guard will lift and slide independently, allowing the material to pass while maintaining maximum blade coverage. The anti-kickback pawls will engage the material, preventing backward movement.
- **Dust Collection:** The above-table dust port will actively collect sawdust and debris generated during the cut, directing it into your dust collection system. This significantly reduces airborne particles and keeps your workspace cleaner.
- **Narrow Cuts:** The low-profile design of the guard allows for precise cuts as narrow as 3/4 inch while still providing protection and dust collection.



Figure 5: Demonstrating the blade guard in use during a cutting operation, effectively collecting dust.

Maintenance

Regular maintenance ensures the longevity and effective operation of your Dust Collection Blade Guard.

- **Cleaning:** Periodically clean the clear plastic guard and the dust port to prevent sawdust buildup, which can impede visibility and dust collection efficiency. Use a soft cloth and mild cleaner. Avoid abrasive materials that could scratch the plastic.
- **Inspection:** Regularly inspect the guard for any signs of wear, damage, or loose components. Pay close attention to the lateral slides and anti-kickback pawls to ensure they move freely and function correctly.
- **Dust System:** Ensure your connected dust collection system is regularly emptied and maintained to prevent blockages and maintain optimal suction.

Troubleshooting

If you encounter issues with your Dust Collection Blade Guard, consider the following common troubleshooting steps:

- **Poor Dust Collection:**
 - Check for blockages in the dust port or hose.
 - Ensure the dust collection system is adequately powered and its filter is clean.
 - Verify the guard is properly positioned over the blade to capture dust effectively.
- **Guard Not Moving Freely:**
 - Clean any sawdust or debris from the lateral slides.
 - Inspect for any physical obstructions or damage to the guard's moving parts.
- **Anti-Kickback Pawls Not Engaging:**
 - Ensure the pawls are clean and free of debris.
 - Verify they are correctly installed and can pivot freely.

If problems persist, refer to your SawStop table saw's main instruction manual or contact SawStop customer support.

Product Specifications

Brand	SawStop
Model Number	TSG-DC
Color	Clear Plastic
Material	Plastic
Item Weight	4.55 pounds
Product Dimensions (L x W x H)	24" x 11.6" x 3.7"
Special Features	Above-table dust collection, Independent lateral slides
Included Components	Limiting Rod, Blade Guard, 1.5" Dust Port
Compatibility	SawStop Cast-Iron Saws (1.75HP and larger), SawStop Overarm Dust Collection Assembly

Warranty and Support

The SawStop Dust Collection Blade Guard comes with a**One Year Warranty** from the manufacturer. For warranty

claims, technical support, or any product-related inquiries, please contact SawStop customer service directly. You can find more information and contact details on the official SawStop website or through your product retailer.