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LWHwareHT DW708 Dust Extractor (Replacement for OEM)

LWHwareHT 3D Printed Dust Extractor for Dewalt DW708 Miter Saw

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your LWHwareHT 3D Printed Dust Extractor, designed as a direct replacement for the obsolete original equipment manufacturer (OEM) dust port on the Dewalt DW708 miter saw. This accessory is intended to improve dust collection efficiency during saw operation.

2. Safety Information

WARNING: Always disconnect the miter saw from its power source before installing, adjusting, or performing maintenance on any accessory. Failure to do so can result in serious personal injury.

- Read and understand the original Dewalt DW708 miter saw instruction manual before operating the saw with this accessory.
- Wear appropriate personal protective equipment (PPE), including eye protection and a dust mask, when operating power tools.
- Ensure all connections are secure before operating the saw.
- Do not modify the dust extractor or the miter saw. Use only as intended.

3. Package Contents

Verify that all components are present:

- Main Dust Extractor Body
- Elbow Connector



Figure 3.1: Two primary components of the LWHwareHT 3D Printed Dust Extractor. On the left is the main body, designed to attach to the saw guard. On the right is the elbow connector, which fits into the main body and provides a connection point for a dust hose. Both parts exhibit the textured finish typical of 3D printed items.

4. Setup and Installation

Follow these steps to install the dust extractor on your Dewalt DW708 miter saw:

1. **Disconnect Power:** Ensure the miter saw is unplugged from its power source.
2. **Remove Existing Dust Port (if applicable):** If an old or damaged dust port is present, carefully remove it from the saw's blade guard.
3. **Assemble Dust Extractor:** Insert the elbow connector into the main dust extractor body. Ensure it is seated firmly.
4. **Attach to Saw Guard:** Align the assembled dust extractor with the dust port opening on the Dewalt DW708 miter saw blade guard. Secure it in place using the existing hardware or appropriate fasteners (not included, typically reused from the original part). Ensure a snug fit to prevent dust leakage.
5. **Connect Dust Hose:** Attach a standard dust collection hose (e.g., 2.5-inch diameter) from your shop vacuum or dust collection system to the elbow connector of the dust extractor.



Figure 4.1: The LWHwareHT 3D Printed Dust Extractor fully assembled, ready for installation. The elbow connector is securely fitted into the main body, forming a complete unit designed for efficient dust extraction.



Figure 4.2: The LWHwareHT 3D Printed Dust Extractor securely mounted to a Dewalt miter saw's blade guard. The dust port is visible on the left, ready for connection to a dust collection system. The Dewalt branding is visible on the guard.

5. Operating Instructions

Once installed and connected to a dust collection system, the LWHwareHT Dust Extractor operates passively to collect sawdust and debris generated during cutting operations. Ensure your dust collection system is turned on before operating the miter saw.

- Always ensure the dust collection system has adequate suction.
- Periodically check the dust extractor and hose for clogs during extended use.

6. Maintenance

Regular maintenance will ensure optimal performance and longevity of your dust extractor:

- **Cleaning:** After each use, or as needed, disconnect the dust extractor from the saw and dust hose. Clear any accumulated sawdust or debris from inside the extractor and the elbow connector. A brush or compressed air can be used.
- **Inspection:** Periodically inspect the dust extractor for any signs of wear, cracks, or damage. If significant damage is observed, replace the unit to maintain effective dust collection.

7. Troubleshooting

If you experience issues with dust collection, consider the following:

- **Poor Dust Collection:**
  - Check for clogs in the dust extractor, elbow connector, or dust hose.
  - Ensure the dust collection system is turned on and operating correctly.
  - Verify that all connections are secure and airtight.
- **Loose Fit:** If the dust extractor feels loose on the saw guard, ensure the fasteners are tightened appropriately. Avoid over-tightening, which could damage the plastic.

8. Specifications

- **Brand:** LWHwareHT
- **Product Type:** 3D Printed Dust Extractor
- **Compatibility:** Dewalt DW708 Miter Saw (Replacement for Obsolete OEM Part)
- **Material:** 3D Printed Polymer
- **UPC:** 639394586557

9. Warranty Information

This LWHwareHT product is covered by a one-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized modification, or normal wear and tear. For warranty claims, please retain your proof of purchase.

10. Support

For technical assistance, warranty claims, or questions regarding your LWHwareHT 3D Printed Dust Extractor, please refer to your purchase documentation or contact the seller directly through the platform where the product was acquired.

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