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› Dynabrade 57900 Dynafine Detail Sander Instruction Manual

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Dynabrade 57900 Dynafine Detail Sander Instruction Manual

Model: 57900

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, maintenance, and troubleshooting of your Dynabrade 57900 Dynafine Detail Sander. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury or damage.

The Dynabrade 57900 Dynafine Detail Sander is a non-vacuum pneumatic tool designed for precision sanding tasks. It features a .12 hp motor, 7-degree offset handle, and a 1/32-inch (1 mm) diameter orbital action, achieving up to 13,000 RPM. It is ideal for cleaning wood edges and corners, and for use on furniture, shutters, moldings, door jambs, and various metal parts.



Image 1.1: The Dynabrade 57900 Dynafine Detail Sander, a compact pneumatic tool with a triangular sanding pad.

2. SAFETY INFORMATION

Always observe general safety precautions when operating power tools. Failure to do so may result in serious injury or property damage.

General Safety Guidelines:

- **Read Instructions:** Familiarize yourself with all instructions and warnings before operation.
- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, and a dust mask. Gloves are recommended for hand protection.
- **Work Area:** Keep your work area clean, well-lit, and free from clutter. Ensure adequate ventilation.
- **Secure Workpiece:** Always secure the workpiece to prevent movement during sanding.
- **Air Supply:** Ensure the air supply is clean, dry, and at the correct pressure (refer to specifications). Disconnect air supply before changing accessories or performing maintenance.
- **Inspect Tool:** Before each use, inspect the tool for any damage, loose parts, or worn components. Do not operate a damaged tool.
- **Avoid Contact:** Keep hands and body parts away from moving parts and the sanding pad during operation.
- **Proper Grip:** Maintain a firm grip on the tool at all times.
- **Flammable Materials:** Do not operate the sander near flammable liquids, gases, or dust.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.

3. PRODUCT OVERVIEW

The Dynabrade 57900 Dynafine Detail Sander is designed for ergonomic handling and precise control in tight spaces. Key components include:

- **Motor Housing:** Contains the pneumatic motor.
- **Trigger/Lever:** Activates the tool.
- **Handle:** Offset 7 degrees for improved operator comfort and control.
- **Sanding Pad:** Interchangeable triangular and tear-drop shaped pads for detail work. Uses hook-face and PSA (adhesive-backed) abrasives.
- **Rear Exhaust:** Directs exhaust air away from the workpiece.
- **Air Inlet:** Connection point for the air supply, includes a 94407 Flow-Control Dynaswivel for air regulation.



Image 3.1: A hand demonstrating the grip on a detail sander, highlighting its compact design for precision work.

4. SETUP

Follow these steps to prepare your Dynabrade 57900 Detail Sander for use:

1. Air Supply Connection:

- Ensure your air compressor is capable of providing the required air pressure and volume (refer to specifications).
- Connect a suitable air hose to the 94407 Flow-Control Dynaswivel located at the rear exhaust of the sander.
- Adjust the flow control on the Dynaswivel to regulate air flow and tool speed as needed for your application.

2. Attaching Sanding Pads:

- The sander includes triangular and tear-drop hook-face pads. Select the appropriate pad for your task.
- For hook-face pads, align the abrasive sheet with the pad and press firmly to secure.
- For PSA (pressure-sensitive adhesive) abrasives, peel off the backing and carefully apply to the pad, ensuring no wrinkles or air bubbles.
- Ensure the abrasive is securely attached before operating the tool.

5. OPERATING INSTRUCTIONS

The Dynabrade 57900 is designed for precise detail sanding. Always wear appropriate PPE during operation.

1. **Grip and Control:** Hold the sander firmly with both hands if possible, utilizing the 7-degree offset handle for comfort and control.
2. **Starting the Tool:** Connect the air supply, then depress the trigger/lever to start the orbital action.
3. **Sanding Technique:**
 - Apply light, even pressure to the workpiece. Excessive pressure will reduce efficiency and may damage the tool or workpiece.
 - Move the sander in a consistent pattern across the surface. For detail work, focus on the specific area requiring attention.
 - The 1/32-inch orbital action provides a fine finish, suitable for preparation before painting or finishing.
 - Utilize the triangular and tear-drop pads to access tight corners, edges, and intricate profiles on wood, metal, and other materials.
4. **Stopping the Tool:** Release the trigger/lever to stop the sander. Disconnect the air supply when not in use or when changing abrasives.



Image 5.1: A close-up of a hand operating a Dynabrade sander on a surface, demonstrating typical use.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your Dynabrade 57900 Detail Sander.

- **Disconnect Air:** Always disconnect the air supply before performing any maintenance.
- **Cleaning:**
 - Wipe down the tool exterior with a clean, dry cloth after each use.
 - Remove any dust or debris from the sanding pad and exhaust port.
- **Lubrication:**
 - Pneumatic tools require regular lubrication. Add a few drops of pneumatic tool oil into the air inlet before and after each use, or as recommended by Dynabrade.
 - This lubricates internal components and prevents corrosion.
- **Inspect Air Line and Fittings:** Regularly check the air hose, connections, and the Dynaswivel for leaks, wear, or damage. Replace any compromised components.
- **Pad Inspection:** Inspect the sanding pads for wear or damage. Replace worn pads to ensure effective sanding and prevent damage to the tool.
- **Storage:** Store the tool in a clean, dry environment when not in use.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Dynabrade 57900 Detail Sander.

Problem	Possible Cause	Solution
Tool does not start or runs slowly	• Insufficient air pressure/volume • Air line kinked or blocked • Lack of lubrication • Internal wear or damage	• Check compressor and air line for proper pressure and flow. • Inspect air hose for obstructions. • Add pneumatic tool oil to air inlet. • Contact Dynabrade service for inspection.
Poor sanding performance	• Worn or incorrect abrasive • Excessive pressure applied • Worn sanding pad	• Replace abrasive with a fresh, appropriate grit. • Reduce pressure; let the tool do the work. • Replace the sanding pad.
Excessive vibration	• Damaged or unbalanced sanding pad • Loose components	• Inspect and replace sanding pad if damaged. • Check for any loose screws or fittings. • Contact Dynabrade service if problem persists.

8. SPECIFICATIONS

Technical specifications for the Dynabrade 57900 Dynafine Detail Sander:

Feature	Specification
Model Number	57900

Feature	Specification
Power Source	Pneumatic (Air-powered)
Horsepower	0.12 hp
Maximum Rotational Speed	13,000 RPM
Orbit Diameter	1/32 inch (1 mm)
Handle Offset	7 Degree
Exhaust Type	Rear Exhaust
Included Accessories	Triangular and tear-drop hook-face pads, 94407 Flow-Control Dynaswivel
Item Weight	1.77 pounds (0.8 Kilograms)
Product Dimensions	10.8 x 6.4 x 4.2 inches
UPC	616026579002

9. WARRANTY AND SUPPORT

Warranty Information:

All Dynabrade portable pneumatic power tools are rigorously inspected and performance tested before shipping. If a Dynabrade tool develops a performance problem and an inherent defect is found during normal use and service, Dynabrade will warrant this tool against defects in workmanship and materials for the lifetime of the tool, provided it is registered.

To activate the lifetime warranty, the customer must register each portable pneumatic power tool at www.dynabrade.com. Dynabrade will not honor the lifetime warranty on unregistered tools. A one-year warranty will be honored on all unregistered portable pneumatic power tools (two years in European countries).

This warranty applies only to portable pneumatic tools manufactured by Dynabrade, Inc. in the USA and only to the original tool owner; the warranty is non-transferable.

Exclusions: Normally wearable parts and products are NOT covered under this warranty. Uncovered items include bearings, contact wheels, rotor blades, regulators, valve stems, levers, shrouds, guards, O-rings, seals, gaskets, and other wearable parts. The warranty policy is contingent upon proper use of tools in accordance with factory recommendations, instructions, and safety practices. It does not apply to equipment subjected to misuse, negligence, accident, or tampering.

Customer Support:

For technical assistance, parts, or service inquiries, please visit the official Dynabrade website or contact their customer support directly. Refer to your purchase documentation for specific contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question