

air compressor repl parts M17058

Reddy Desa Kerosene Heater Fan M17058 Instruction Manual

Model: M17058 | Brand: air compressor repl parts

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the M17058 replacement fan for Reddy Desa Kerosene Heaters. This fan is designed to fit specific 150,000 BTU heater models manufactured prior to 1991. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure safe and correct usage.

2. SAFETY INFORMATION

Always prioritize safety when working with heating appliances. Failure to follow these safety guidelines may result in property damage, personal injury, or death.

- **Disconnect Power:** Always ensure the kerosene heater is unplugged from its power source and has completely cooled down before beginning any installation, maintenance, or inspection.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection, during installation and maintenance.
- **Consult Heater Manual:** Refer to your specific kerosene heater's original instruction manual for additional safety warnings and detailed disassembly/assembly procedures.
- **Professional Assistance:** If you are unsure about any step, seek assistance from a qualified technician.

3. PRODUCT OVERVIEW

The M17058 is a 10-inch, 5-blade replacement fan designed for specific Reddy Desa Kerosene Heaters. It features a 5/16-inch shaft opening for mounting. This fan is crucial for circulating heated air efficiently from the kerosene heater.



This image displays the M17058 replacement fan, featuring five blades and a central hub with a shaft opening. The fan is designed for specific Reddy Desa kerosene heater models.

4. INSTALLATION

This section outlines the general steps for replacing the fan. Specific disassembly and reassembly procedures may vary by heater model. Always refer to your heater's original manual.

Required Tools:

- Screwdrivers (Phillips and/or flathead)
- Wrenches or socket set (if applicable)
- Pliers
- Gloves and eye protection

Installation Steps:

1. **Power Disconnection:** Ensure the heater is unplugged and completely cool.
2. **Access Panel Removal:** Carefully remove the outer casing or access panels of the kerosene heater to expose the fan assembly. Document screw locations and component positions if necessary.
3. **Old Fan Removal:** Locate the existing fan. Loosen any set screws or fasteners securing the fan to the motor shaft. Carefully slide the old fan off the shaft. Note the orientation of the fan for correct installation of the new one.
4. **New Fan Installation:** Slide the M17058 replacement fan onto the motor shaft, ensuring it is oriented correctly (typically, the concave side of the blades faces the direction of airflow). Align the set screw hole on the fan hub with the flat spot on the motor shaft (if present).
5. **Secure Fan:** Tighten the set screw(s) firmly to secure the fan to the shaft. Ensure the fan is not wobbly and spins freely without obstruction.
6. **Reassembly:** Reattach all removed panels and casings. Ensure all screws are tightened and the heater is fully assembled before proceeding.
7. **Test:** Plug in the heater and perform a brief test to ensure the fan operates smoothly and quietly.

5. OPERATING

The M17058 fan operates automatically as an integral component of your kerosene heater. Once properly installed, the fan will engage when the heater is turned on, circulating the warm air. No separate operation is required for the fan itself. Always follow the operating instructions provided in your kerosene heater's main user manual.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan and heater.

- **Cleaning:** Periodically, with the heater unplugged and cool, remove the access panels and gently clean any dust or debris from the fan blades using a soft brush or compressed air. Accumulation of dust can reduce efficiency and cause imbalance.
- **Inspection:** Visually inspect the fan blades for any signs of damage, cracks, or bending. Ensure the fan is securely attached to the motor shaft and spins freely.
- **Lubrication:** Most modern fan motors are sealed and do not require lubrication. Refer to your heater's manual or the fan motor specifications if lubrication is indicated.

7. TROUBLESHOOTING

If you encounter issues with the fan, consider the following troubleshooting steps:

- **Fan Not Spinning:**
 - Ensure the heater is plugged in and receiving power.
 - Check if the heater's main power switch is on.
 - Inspect for obstructions preventing the fan from rotating.
 - Verify the fan is securely attached to the motor shaft.
 - If the motor is humming but the fan isn't turning, the motor may be faulty or the fan is seized.
- **Excessive Noise/Vibration:**
 - Check for loose mounting screws or fasteners.
 - Inspect fan blades for damage or imbalance (e.g., bent blades, debris stuck on blades).
 - Ensure the fan is not rubbing against any part of the heater casing.
 - A worn motor bearing could also cause noise; this may require motor replacement.
- **Reduced Airflow:**
 - Clean any dust or debris from the fan blades and air passages.
 - Ensure the fan is spinning at the correct speed.

If troubleshooting steps do not resolve the issue, contact the manufacturer or a qualified service technician.

8. SPECIFICATIONS

- **Part Number:** M17058
- **Fan Diameter:** 10 inches
- **Number of Blades:** 5
- **Shaft Size:** 5/16 inches
- **Compatibility:** Fits older 150,000 BTU Reddy Desa Kerosene Heaters manufactured pre-1991.
- **Compatible Models:** B140D, B150, B150A, B150B, B150C, B150CAK, B150KD, R150, R150A, R150AT, Mark150D, M150D, M150S

9. WARRANTY AND SUPPORT

Specific warranty information for this replacement part should be obtained directly from the seller or manufacturer at the time of purchase. For technical support or further inquiries, please refer to the contact information provided by your retailer or the manufacturer of the 'air compressor repl parts' brand.

