

Mishimoto MMFAN-16

Mishimoto MMFAN-16 Slim Electric Radiator Fan User Manual

Model: MMFAN-16 | Brand: Mishimoto

[Visit the Mishimoto Store](#)

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Mishimoto MMFAN-16 Slim Electric Radiator Fan. Please read these instructions carefully before proceeding with installation or use to ensure proper function and safety.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is cool before working on the cooling system to avoid burns.
- Consult a qualified automotive technician if you are unsure about any installation steps.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- (1) Mishimoto Fan
- (4) Mounting Tabs
- Mishimoto Lifetime Warranty Information

3. SPECIFICATIONS

| Feature | Specification |
|------------|---------------|
| Model Name | MMFAN-16 |

| Feature | Specification |
|-----------------------------|--------------------------------|
| Fan Diameter | 16 Inches (385mm) |
| Overall Thickness | 2.87 inches |
| CFM (Cubic Feet Per Minute) | 1850 |
| Fan RPM | 1800 |
| Number of Blades | 10 |
| Blade Style | Straight |
| Voltage | 12 Volts |
| Wattage | 3 watts |
| Noise Level | 50 Decibels |
| Installation Type | Universal (Mount Kit Required) |
| Reversibility | Pusher or Puller Fan |

4. SETUP & INSTALLATION

The Mishimoto MMFAN-16 is designed for universal fitment and can be installed as an upgrade to OEM fans or for custom applications. A universal fan mount kit (e.g., Mishimoto P/N: MMFAN-MOUNT) is required for installation and is sold separately.

Installation Steps (General Guidelines):

- Preparation:** Ensure the vehicle's engine is off and cool. Disconnect the negative terminal of the battery.
- Mounting:** Position the fan against the radiator or condenser. Use the provided mounting tabs and a suitable mounting kit to secure the fan firmly. Ensure there is adequate clearance from other engine components.
- Wiring:** Connect the fan's wiring to your vehicle's electrical system. The fan can be configured as either a pusher (mounted in front of the radiator, pushing air through) or a puller (mounted behind the radiator, pulling air through). The wiring polarity will determine the direction of airflow. Consult your vehicle's wiring diagram or a fan controller's instructions for correct electrical connections.
- Testing:** Reconnect the battery. Start the vehicle and allow it to reach operating temperature to verify the fan activates correctly and provides adequate airflow.



Front view of the Mishimoto MMFAN-16 Slim Electric Radiator Fan, showcasing its 10-blade design and protective grille.



Rear view of the Mishimoto MMFAN-16 fan, showing the motor and blade assembly.



Side profile of the Mishimoto MMFAN-16 fan, highlighting its slim design.



Image showing the universal mounting tabs provided with the Mishimoto MMFAN-16 fan for installation.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, the Mishimoto MMFAN-16 operates automatically in conjunction with your vehicle's cooling system or an aftermarket fan controller. The fan is designed to activate when the engine coolant temperature reaches a predetermined threshold, or when the air conditioning system is engaged, to maintain optimal engine operating temperatures.

- The fan provides 1850 CFM of airflow at 1800 RPM for efficient cooling.
- Its slim profile allows for flexible installation in various engine bay configurations.
- The fan can be easily reversed for use as a pusher or puller, depending on your specific cooling setup requirements.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your electric radiator fan.

- **Periodic Inspection:** Visually inspect the fan blades, motor, and wiring for any signs of damage, wear, or corrosion. Ensure all mounting points remain secure.
- **Cleaning:** Keep the fan blades and grille free from debris, dirt, and obstructions. Use compressed air or a soft brush to gently clean the fan. Avoid using harsh chemicals that could damage plastic components.
- **Electrical Connections:** Periodically check all electrical connections for tightness and ensure they are free from corrosion.

7. TROUBLESHOOTING

If you experience issues with your Mishimoto MMFAN-16, consider the following common troubleshooting steps:

- **Fan Not Activating:**
 - Check all electrical connections for proper contact and ensure they are securely fastened.
 - Verify that the fan controller (if used) is receiving power and is correctly configured.
 - Inspect fuses related to the fan circuit.
 - Ensure the engine coolant temperature sensor is functioning correctly and sending the appropriate signal to activate the fan.

- **Insufficient Cooling:**
 - Check for obstructions in front of or behind the fan that may impede airflow.
 - Ensure the fan is configured for the correct airflow direction (pusher or puller) for your installation.
 - Verify the radiator and condenser are clean and free of debris.
 - Confirm the fan is operating at its rated speed.
- **Excessive Noise/Vibration:**
 - Inspect fan blades for damage or imbalance.
 - Ensure the fan is securely mounted and not making contact with other components.

If problems persist after troubleshooting, it is recommended to consult a professional automotive technician or contact Mishimoto customer support.



8. WARRANTY & SUPPORT

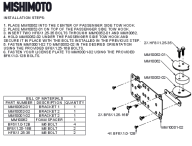

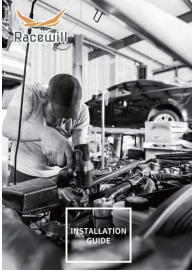

The Mishimoto MMFAN-16 Slim Electric Radiator Fan is backed by a **Mishimoto Lifetime Warranty**. This warranty covers defects in materials and workmanship for the lifetime of the product. For detailed warranty terms, conditions, and to initiate a warranty claim, please visit the official Mishimoto website or contact their customer support.

For additional support, technical assistance, or to purchase compatible accessories like mounting kits, please visit the [Mishimoto Store on Amazon](#) or the official Mishimoto website.

© 2024 Mishimoto. All rights reserved.

Related Documents - MMFAN-16

| | |
|---|---|
|  | <p>Mishimoto 1989-2001 Jeep Cherokee XJ 4.0L Fan Shroud Kit Installation Guide</p> <p>Detailed installation guide and parts list for the Mishimoto Fan Shroud Kit for 1989-2001 Jeep Cherokee XJ 4.0L models. Includes step-by-step instructions, tools needed, and wiring diagram.</p> |
|  | <p>Mishimoto 2021+ Ford Bronco 2.3L EcoBoost Performance Air Intake Installation Guide</p> <p>Comprehensive installation guide for the Mishimoto Performance Air Intake Kit (MMAI-BR23-21) for the 2021+ Ford Bronco 2.3L EcoBoost. Includes safety precautions, parts list, tools required, step-by-step instructions, disposal information, and warranty details.</p> |

| | |
|--|---|
|  | <p>Mishimoto Tow Hook License Plate Relocation Bracket Installation Guide for 22-24 Chevy 1500</p> <p>Detailed installation steps and parts list for the Mishimoto Tow Hook License Plate Relocation Bracket (MM10052-01, MM10052-02, MM10001-02, MM10062) for 2022-2024 Chevrolet 1500 vehicles. Includes hardware specifications.</p> |
|  | <p>Mishimoto 1989-2001 Jeep Cherokee XJ 4.0L Fan Shroud Kit Installation Guide</p> <p>Detailed installation guide and parts list for the Mishimoto Fan Shroud Kit for 1989-2001 Jeep Cherokee XJ 4.0L models. Includes step-by-step instructions, tools needed, and wiring diagram.</p> |
|  | <p>Racewill Seat Track Assembly Installation Guide</p> <p>Comprehensive installation guide for Racewill seat tracks, detailing package contents and mounting procedures for various seat types, including chair mounts and seats with threaded inserts.</p> |
|  | <p>Mastercool 43301-A 27-Piece Master Radiator Pressure Test Kit - User Manual & Compatibility</p> <p>Comprehensive user manual and compatibility guide for the Mastercool 43301-A 27-Piece Master Radiator Pressure Test Kit. Includes features, safety warnings, operating instructions, and vehicle adapter compatibility for automotive cooling system service.</p> |