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## 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

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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

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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

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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

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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

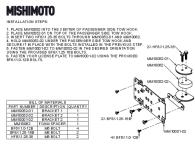
The Mishimoto MMFAN-16 Slim Electric Radiator Fan is backed by a **Mishimoto Lifetime Warranty**. This warranty covers defects in materials and workmanship for the lifetime of the product. For detailed warranty terms, conditions, and to initiate a warranty claim, please visit the official Mishimoto website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

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### Related Documents - MMFAN-16

 <a href="#">Mishimoto 1989-2001 Jeep Cherokee XJ 4.0L Fan Shroud Kit Installation Guide</a> 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.	 <a href="#">Mishimoto 2021+ Ford Bronco 2.3L EcoBoost Performance Air Intake Installation Guide</a> 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.
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	<p><a href="#">Mishimoto Tow Hook License Plate Relocation Bracket Installation Guide for 22-24 Chevy 1500</a></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><a href="#">Mishimoto 1989-2001 Jeep Cherokee XJ 4.0L Fan Shroud Kit Installation Guide</a></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><a href="#">Racewill Seat Track Assembly Installation Guide</a></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><a href="#">Mastercool 43301-A 27-Piece Master Radiator Pressure Test Kit - User Manual &amp; Compatibility</a></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>