

Flex-a-lite 30195

Flex-a-lite 30195 Fan Motor Instruction Manual

Model: 30195 (FLE107188)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Flex-a-lite 30195 Fan Motor. Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and safety.

The Flex-a-lite 30195 is a replacement fan motor designed for specific Flex-a-lite fan kits, such as the 80185 and 485 series. It is engineered to restore cooling performance to your vehicle's engine cooling system.

2. SAFETY INFORMATION

WARNING: Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.

- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is parked on a level surface and the engine is cool before beginning work.
- Refer to your vehicle's service manual for specific instructions related to fan removal and installation.
- Keep hands and loose clothing away from moving fan blades.

3. WHAT'S IN THE BOX

The Flex-a-lite 30195 Fan Motor package includes the following components:

- One (1) Flex-a-lite 30195 Fan Motor



Figure 1: Front view of the Flex-a-lite 30195 Fan Motor. This image shows the motor's main body with mounting points and electrical wires extending from the side.



Figure 2: Rear view of the Flex-a-lite 30195 Fan Motor. This image displays the motor's shaft and internal copper windings, along with the electrical connections.

4. SETUP AND INSTALLATION

This section outlines the general steps for replacing an existing fan motor. Specific procedures may vary depending on your vehicle and existing fan assembly.

1. Preparation:

- Ensure the vehicle's engine is off and cool.
- Disconnect the negative terminal of the vehicle's battery.
- Locate the existing fan assembly and identify the motor to be replaced.

2. Removal of Old Motor:

- Carefully disconnect any electrical connectors attached to the old motor.
- Unbolt or unclip the old motor from the fan shroud or mounting bracket.
- Remove the fan blade from the old motor shaft. This may require a specialized tool or careful prying.

3. Installation of New Motor:

- Attach the existing fan blade to the shaft of the new Flex-a-lite 30195 Fan Motor. Ensure it is securely fastened.
- Mount the new motor into the fan shroud or bracket, aligning the mounting holes. Secure with appropriate fasteners.
- Connect the electrical wires of the new motor to the vehicle's wiring harness. The motor typically uses a 3-Pin or 4-Pin power connector. Ensure correct polarity.

4. Final Steps:

- Double-check all connections and mounting points for security.
- Reconnect the negative terminal of the vehicle's battery.
- Start the vehicle and test the fan operation.

5. OPERATION

The Flex-a-lite 30195 Fan Motor operates as part of your vehicle's engine cooling system. Its operation is typically controlled by the vehicle's engine control unit (ECU) or a thermostatic switch, which activates the fan when the engine coolant reaches a predetermined temperature.

- The fan motor is designed for 12-volt automotive electrical systems.
- It draws approximately 3.6 watts during operation.
- The fan will engage to pull air through the radiator, helping to dissipate heat and maintain optimal engine operating temperature.

6. MAINTENANCE

The Flex-a-lite 30195 Fan Motor is designed for durability and requires minimal maintenance. However, periodic inspection can help ensure its longevity and proper function.

- **Visual Inspection:** Periodically inspect the fan motor and blades for any signs of damage, corrosion, or debris accumulation.
- **Electrical Connections:** Ensure all electrical connections remain clean, tight, and free from corrosion.
- **Cleanliness:** Keep the fan blades and motor housing free of excessive dirt, dust, and foreign objects, which can impede performance or cause imbalance.
- **Noise Check:** Listen for any unusual noises (e.g., grinding, squealing) during operation, which could indicate a bearing issue or other problem.

7. TROUBLESHOOTING

If you experience issues with your Flex-a-lite 30195 Fan Motor, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fan does not turn on.	No power to the motor. Faulty electrical connection. Defective thermostatic switch or relay.	Check vehicle's fuse box for blown fuses. Inspect wiring for loose or corroded connections. Test the thermostatic switch and relay; replace if faulty.
Fan runs constantly.	Stuck relay. Faulty thermostatic switch.	Replace the fan relay. Test and replace the thermostatic switch if it's stuck in the "on" position.
Excessive noise or vibration.	Loose fan blade. Debris caught in fan. Worn motor bearings.	Ensure fan blade is securely attached to the motor shaft. Inspect and remove any foreign objects from the fan assembly. If bearings are worn, the motor may need replacement.

If troubleshooting steps do not resolve the issue, contact Flex-a-lite customer support or a qualified automotive technician.

8. SPECIFICATIONS















Feature	Detail
Brand	Flex-a-lite
Model Number	30195 (FLE107188)
Compatible Fan Kits	#1 80185, 485
Voltage	12 Volts
Wattage	3.6 watts
Power Connector Type	3-Pin or 4-Pin
Cooling Method	Air
Noise Level	30 dB
Item Weight	3.25 pounds
Package Dimensions (L x W x H)	13.462 cm x 13.208 cm x 13.716 cm (approx. 5.3 in x 5.2 in x 5.4 in)
UPC	088657802147, 088657301954

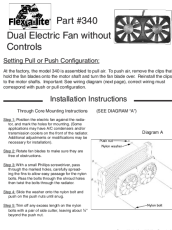
9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Flex-a-lite 30195 Fan Motor, please refer to the official Flex-a-lite website or contact their customer service department directly. Keep your purchase

Flex-a-lite Contact Information:

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 <p>Flex-a-lite Part #340 Dual Electric Fan without Controls</p> <p>Setting Pull or Push Configuration:</p> <p>At the factory, the model 340 is assembled to pull air. To push air, remove the fan that holds the blades into the motor shaft and turn the blades over. Reinstall the fan with the blades facing the opposite direction. The fan will now push air. Reinstall the fan with the blades facing the opposite direction. The fan will now push air.</p> <p>Installation Instructions</p> <p>Through Core Mounting Instructions (SEE 33000000-1)</p> <p>Diagram 1</p>  <p>Diagram 2</p> 	<p>Flex-a-lite Model 340 Dual Electric Fan Installation and Wiring Guide</p> <p>Detailed installation and wiring instructions for the Flex-a-lite Model 340 Dual Electric Fan without Controls. Includes steps for mounting, configuration, and electrical connections, plus warranty information.</p>
 <p>Flex-a-lite TREME 485 Jeep Wrangler 1987-2006</p> <p>INSTALLATION INSTRUCTIONS</p> <p>Block 1: Mounting the Fan</p> <p>Block 2: Wiring the Fan</p> <p>Block 3: Mounting the Fan</p> <p>Block 4: Mounting the Fan</p>  	<p>Flex-a-lite TREME 485 Electric Fan Installation Instructions for Jeep Wrangler (1987-2006)</p> <p>Detailed installation guide for the Flex-a-lite TREME 485 electric fan, designed for 1987-2006 Jeep Wrangler models. Includes step-by-step instructions, wiring diagrams, and warranty information.</p>
 <p>Flex-A-Lite</p> <p>Compact Adjustable Electric-Fan Controller with Relay Kit</p> <p>Part Numbers 33094 and 33095</p> 	<p>Flex-A-Lite Compact Adjustable Electric-Fan Controller with Relay Kit Installation Instructions</p> <p>Detailed installation instructions for the Flex-A-Lite Compact Adjustable Electric-Fan Controller with Relay Kit (Part Numbers 33094 and 33095), covering wiring, mounting, connections, and temperature setting.</p>
 <p>Flex-a-lite</p> <p>Electric Cooling Fan Models 410/420 & 430/440</p> <p>Installation Instructions</p> <p>Block 1: Mounting the Fan</p> <p>Block 2: Wiring the Fan</p> <p>Block 3: Mounting the Fan</p> <p>Block 4: Mounting the Fan</p>  	<p>Flex-a-lite Electric Cooling Fan Installation & Wiring Guide (Models 410, 420, 430, 440)</p> <p>Comprehensive installation and wiring instructions for Flex-a-lite electric cooling fans, models 410, 420, 430, and 440. Covers mounting, wiring diagrams, VSC unit setup, and initial startup procedures.</p>
 <p>Flex-a-Fit</p> <p>Jeep CJ Radiator & Fan Kits</p> <p>Part Numbers 51168, 51169, 51008, 51009</p> <p>Jeep CJ Radiator Only Kits</p> <p>Part Numbers 51168, 51169</p> <p>Jeep CJ Radiator Fan Kits</p> <p>Part Numbers 51008, 51009</p>  <p>INSTALLATION INSTRUCTIONS</p> <p>Removal of Existing Fan, Shroud & Radiator</p> <p>Installation of Radiator and Fan Control Kit 51168, 51169</p> <p>Installation of Radiator and Fan Control Kit 51008, 51009</p> 	<p>Flex-a-lite Jeep CJ Radiator & Fan Kits Installation Guide</p> <p>Comprehensive installation guide for Flex-a-lite aluminum radiators and fan kits (models 51168, 51169, 51008, 51009) for 1972-1986 Jeep CJs. Includes removal, installation, wiring, and warranty information.</p>



Flex-a-lite Model 340 Dual Electric Fan Installation and Wiring Guide

Detailed installation and wiring instructions for the Flex-a-lite Model 340 Dual Electric Fan without Controls. Includes steps for mounting, configuration, and electrical connections, plus warranty information.