

DNA MOTORING OEM-RF-1192

DNA MOTORING Radiator Cooling Fan Assembly OEM-RF-1192 Instruction Manual

Model: OEM-RF-1192

1. INTRODUCTION

This manual provides essential information for the DNA MOTORING Factory Style Radiator Cooling Fan Assembly, model OEM-RF-1192. This assembly is designed to meet specific vehicle cooling requirements, ensuring efficient and dependable operation. Please read this manual thoroughly before installation and use.

2. PRODUCT OVERVIEW AND FEATURES

The DNA MOTORING Radiator Cooling Fan Assembly is engineered for direct replacement of the original part, ensuring precise OE fit and function. It features a sealed motor and a high-quality ABS plastic housing for long-lasting performance.

- **Direct Replacement:** Designed to match the original equipment specifications for a seamless fit.
- **Enhanced Cooling:** Continuously improves cooling efficiency to maintain optimal engine temperature.
- **Durable Construction:** Features a sealed motor and high-quality ABS plastic housing for reliability and extended service life.
- **Quality Standards:** Manufactured in ISO/TS certified facilities to ensure consistent quality.



Image 2.1: Full view of the DNA MOTORING Radiator Cooling Fan Assembly, showing the fan blades, motor, and housing.

3. FITMENT INFORMATION

This radiator cooling fan assembly is compatible with the following vehicle models:

- Buick Encore GX: 2020, 2021, 2022, 2023, 2024, 2025 (1.3L Models)
- Chevy Trailblazer: 2021, 2022, 2023, 2024 (1.3L Models)

Please verify your vehicle's make, model, and engine size to ensure proper fitment before installation.



Image 3.1: Example of a compatible vehicle, a white Buick Encore GX.

4. SETUP AND INSTALLATION

Important Note: Professional installation is highly recommended for this product. Installation instructions are not included with the assembly. Improper installation can lead to vehicle damage or personal injury.

For safe and correct installation, consult a certified automotive technician or refer to your vehicle's specific service manual. The installation process typically involves:

1. Disconnecting the vehicle's battery.
2. Draining the cooling system.
3. Removing the old radiator fan assembly.
4. Installing the new DNA MOTORING fan assembly, ensuring all mounting points and electrical connections are secure.
5. Refilling and bleeding the cooling system.
6. Reconnecting the battery and testing the fan operation.



Image 4.1: Detailed views of the fan assembly, highlighting the fan blades and the electrical connector for proper installation.

5. OPERATING PRINCIPLES

The radiator cooling fan operates to regulate engine temperature. When the engine coolant temperature rises above a predetermined threshold, the vehicle's engine control unit (ECU) activates the fan. The fan draws air through the radiator fins, dissipating heat from the coolant and preventing the engine from overheating.

The fan may also activate when the air conditioning system is engaged to assist in cooling the condenser, which is typically located in front of the radiator.



Image 5.1: Close-up of the fan motor and electrical connection, critical components for fan operation.

6. MAINTENANCE

Regular inspection of your cooling system components, including the radiator fan, is crucial for vehicle longevity and performance. While the DNA MOTORING fan assembly is designed for durability, consider the following maintenance checks:

- **Visual Inspection:** Periodically check the fan blades for any cracks, damage, or obstructions (e.g., debris, leaves). Ensure the fan shroud is intact and securely mounted.
- **Electrical Connections:** Verify that all electrical connectors are clean, tight, and free from corrosion.
- **Fan Operation:** Listen for unusual noises during fan operation. A properly functioning fan should operate smoothly.
- **Coolant Levels:** Ensure your vehicle's coolant level is maintained at the recommended level.

If any issues are observed, it is recommended to consult a professional technician.



Image 6.1: Close-up of the fan blades, useful for visual inspection of potential damage or debris.

7. TROUBLESHOOTING

If you experience issues with your radiator cooling fan, consider the following common troubleshooting steps. For complex problems, professional diagnosis is advised.

Symptom	Possible Cause	Action
Fan not turning on	Blown fuse, faulty relay, wiring issue, temperature sensor malfunction, faulty fan motor.	Check fuses and relays. Inspect wiring for damage. Test temperature sensor. Consult a professional for motor diagnosis.
Fan running constantly	Faulty temperature sensor, stuck relay, wiring short.	Test temperature sensor. Check relay. Inspect wiring.

Symptom	Possible Cause	Action
Excessive noise from fan	Damaged fan blades, worn motor bearings, debris obstruction.	Inspect fan blades for damage or obstructions. If motor bearings are worn, replacement may be necessary.
Engine overheating	Fan not operating, low coolant, clogged radiator, faulty thermostat.	Verify fan operation. Check coolant level. Inspect radiator for blockages. Test thermostat.

8. SPECIFICATIONS

- **Model Number:** OEM-RF-1192
- **Brand:** DNA MOTORING
- **Included Components:** 1 X Radiator Fan Assembly
- **Housing Material:** High Quality ABS Plastic
- **Motor Type:** Sealed Electric Motor
- **Fitment:** Direct Replacement, Application-Specific
- **UPC:** 194286363833
- **ASIN:** B0G8ZHBN8F

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the retailer's policy or contact DNA MOTORING directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

Returns Policy: Typically, a 30-day return policy applies. Please check with your point of purchase for specific 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