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> GV Auto Parts VIC-8376 Engine Radiator User Manual

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Model: VIC-8376 | Brand: GV Auto Parts

Compatible with MITSUBISHI COLT IV 1.6-2.5 (1992-2003)

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your GV Auto Parts VIC-8376 Engine Radiator. Please read this manual thoroughly before installation to ensure optimal performance and longevity of the product.

2. PRODUCT OVERVIEW

The GV Auto Parts VIC-8376 is an engine cooling radiator designed to efficiently dissipate heat from the engine's coolant, maintaining optimal operating temperatures. It is engineered for direct fitment in specified vehicle models, ensuring reliable performance.

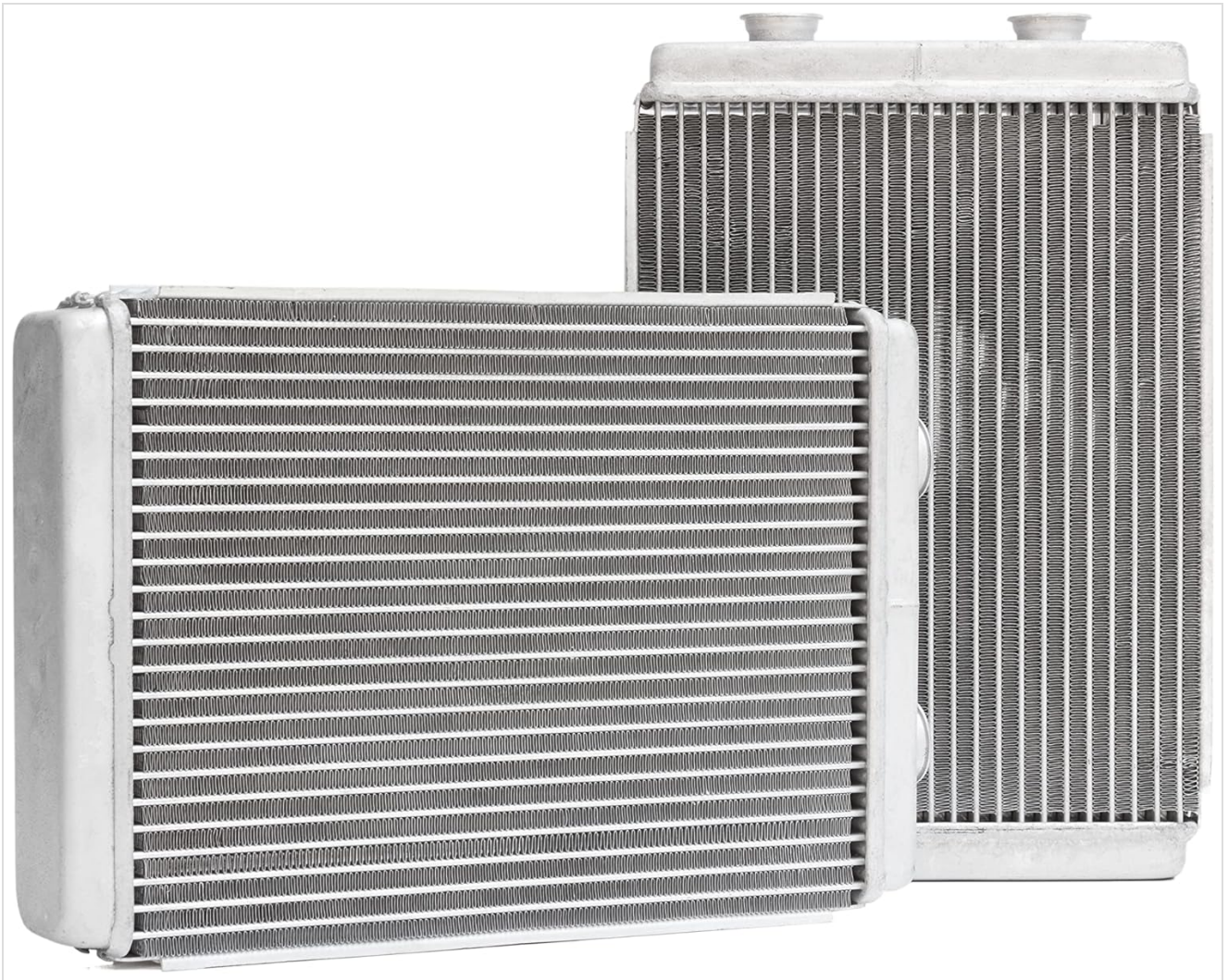


Image 1: Front view of the GV Auto Parts VIC-8376 Engine Radiator, showcasing its core and inlet/outlet connections.

3. COMPATIBILITY

This engine radiator is compatible with the following vehicle models:

- MITSUBISHI COLT IV 1.6-2.5 (04.1992 - 10.2003)

4. TECHNICAL SPECIFICATIONS

Specification	Value
Name	Engine radiator
Packing unit	1
Weight	4.24 kg
Core Length	658 mm
Core Width	375 mm
Core Depth	23 mm
With frame	No

Specification	Value
Transmission Type	Manual
Technology	Mechanical

Original Equipment (OE) Numbers

The following OE numbers are cross-referenced for compatibility:

- 8MK 376 718-391
- 8MK376708-651
- MB 890505
- MB 890506
- MB 924972
- MB 957758
- MB 845791
- MB 660566
- MB 660568
- 734132
- ACI 32002064
- ACI 32002077
- ACI 32002078
- ACI 32002148
- ACI 32002237

5. INSTALLATION (SETUP)

Installation of an engine radiator requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified automotive technician.

General Installation Guidelines:

1. **Safety First:** Ensure the vehicle is cool, the engine is off, and the battery is disconnected before beginning any work. Use appropriate personal protective equipment (PPE).
2. **Drain Coolant:** Safely drain the existing coolant from the cooling system into a suitable container for proper disposal.
3. **Remove Old Radiator:** Disconnect all hoses, electrical connections (if any), and mounting bolts securing the old radiator. Carefully remove it from the vehicle.
4. **Inspect Area:** Check the radiator mounting area, hoses, and clamps for any damage or wear. Replace worn components as necessary.
5. **Install New Radiator:** Carefully position the new VIC-8376 radiator into place. Secure it with the appropriate mounting hardware.
6. **Connect Components:** Reconnect all coolant hoses, ensuring clamps are tight and secure. Reconnect any electrical fan connections.
7. **Refill Coolant:** Fill the cooling system with the manufacturer-recommended coolant mixture. Follow the vehicle's specific bleeding procedure to remove air pockets.
8. **Test System:** Start the engine and allow it to reach operating temperature. Monitor for leaks and ensure the cooling fan activates correctly. Check coolant levels after the engine cools down.

Note: This is a general guide. Always refer to your vehicle's specific service manual for detailed installation procedures.

6. OPERATION

The engine radiator is a passive component of your vehicle's cooling system. Once installed, it operates continuously whenever the engine is running. Its primary function is to transfer heat from the hot engine coolant to the ambient air, preventing the engine from overheating.

- Coolant circulates from the engine, through the radiator's core, and back to the engine.
- Air flows through the radiator fins (aided by the vehicle's movement and/or cooling fan), carrying heat away from the coolant.
- Proper operation relies on a clean radiator core, adequate coolant levels, and a functional cooling fan (if applicable).

7. MAINTENANCE

Regular maintenance of your vehicle's cooling system, including the radiator, is crucial for its longevity and efficient operation.

- **Coolant Level Check:** Regularly check the coolant level in the reservoir and radiator (when cool). Top up with the correct type of coolant as needed.
- **Coolant Quality:** Follow your vehicle manufacturer's recommendations for coolant flush and replacement intervals. Old or contaminated coolant can lead to corrosion and reduced cooling efficiency.
- **Radiator Fins:** Periodically inspect the radiator fins for debris (leaves, insects, dirt) or bent fins. Carefully clean debris with compressed air or a soft brush. Straighten bent fins gently with a fin comb if necessary.
- **Hose Inspection:** Check radiator hoses for cracks, swelling, or softness. Replace any damaged hoses to prevent leaks.
- **Leak Detection:** Visually inspect the radiator and connections for any signs of coolant leaks. Address leaks promptly to prevent engine damage.

8. TROUBLESHOOTING

If you experience issues with your vehicle's cooling system, consider the following common problems and general troubleshooting steps:

- **Engine Overheating:**
 - Check coolant level.
 - Inspect cooling fan operation.
 - Check for blockages in radiator fins.
 - Consider a faulty thermostat or water pump.
- **Coolant Leaks:**
 - Visually inspect radiator, hoses, and connections for drips or stains.
 - Check radiator cap for proper sealing.
- **Low Coolant Level (Frequent):**
 - Indicates a leak in the system that needs to be located and repaired.

- Could also be due to air in the system.

Warning: Do not open the radiator cap when the engine is hot, as pressurized hot coolant can cause severe burns. If you are unsure about diagnosing or repairing a cooling system issue, consult a professional mechanic.

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact your original point of purchase or the manufacturer, GV Auto Parts, directly. Please have your product model number (VIC-8376) and purchase details available when contacting support.

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This manual is for informational purposes only. GV Auto Parts is not responsible for any damage or injury resulting from improper installation or use of this product.