

## Griffin 1-55221-XS

# Griffin 1-55221-XS Universal Aluminum Racing Radiator Instruction Manual

Model: 1-55221-XS

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Griffin 1-55221-XS Universal Aluminum Racing Radiator. Adhering to these instructions will help ensure optimal performance and longevity of the product. Please read this manual thoroughly before proceeding with any procedures.

### Safety Information

- Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation and maintenance.
- Ensure the vehicle's engine is cool and the cooling system is depressurized before working on the radiator.
- Coolant can be toxic. Handle with care and dispose of according to local regulations.
- Professional installation is recommended for optimal results and safety.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the performance of your Griffin radiator. This section outlines general steps; specific vehicle requirements may vary.

### Pre-Installation Checks

- Inspect the radiator for any shipping damage. Do not install if damage is present.
- Verify that all necessary mounting hardware and hoses are available and compatible with your vehicle.
- Ensure the vehicle's cooling system is completely drained and flushed of old coolant.

### Installation Steps

1. Carefully remove the old radiator, ensuring all coolant is contained and disposed of properly.
2. Position the new Griffin 1-55221-XS radiator into the vehicle's radiator support. This model features a 26x15.5 inch core, designed for CrossFlow Chevy universal applications.
3. Secure the radiator using appropriate mounting hardware. Ensure it is stable and free from excessive movement.

4. Connect the radiator hoses. Note that this model has outlets configured with the top outlet on the driver's side and the bottom outlet on the passenger's side, with a straight lower outlet.
5. Install any auxiliary components such as fans or shrouds, ensuring proper clearance and alignment.
6. Refill the cooling system with a high-quality coolant mixture as specified by your vehicle manufacturer. Ensure the system is properly bled to remove air pockets.
7. Start the engine and check for leaks. Monitor coolant levels and engine temperature.

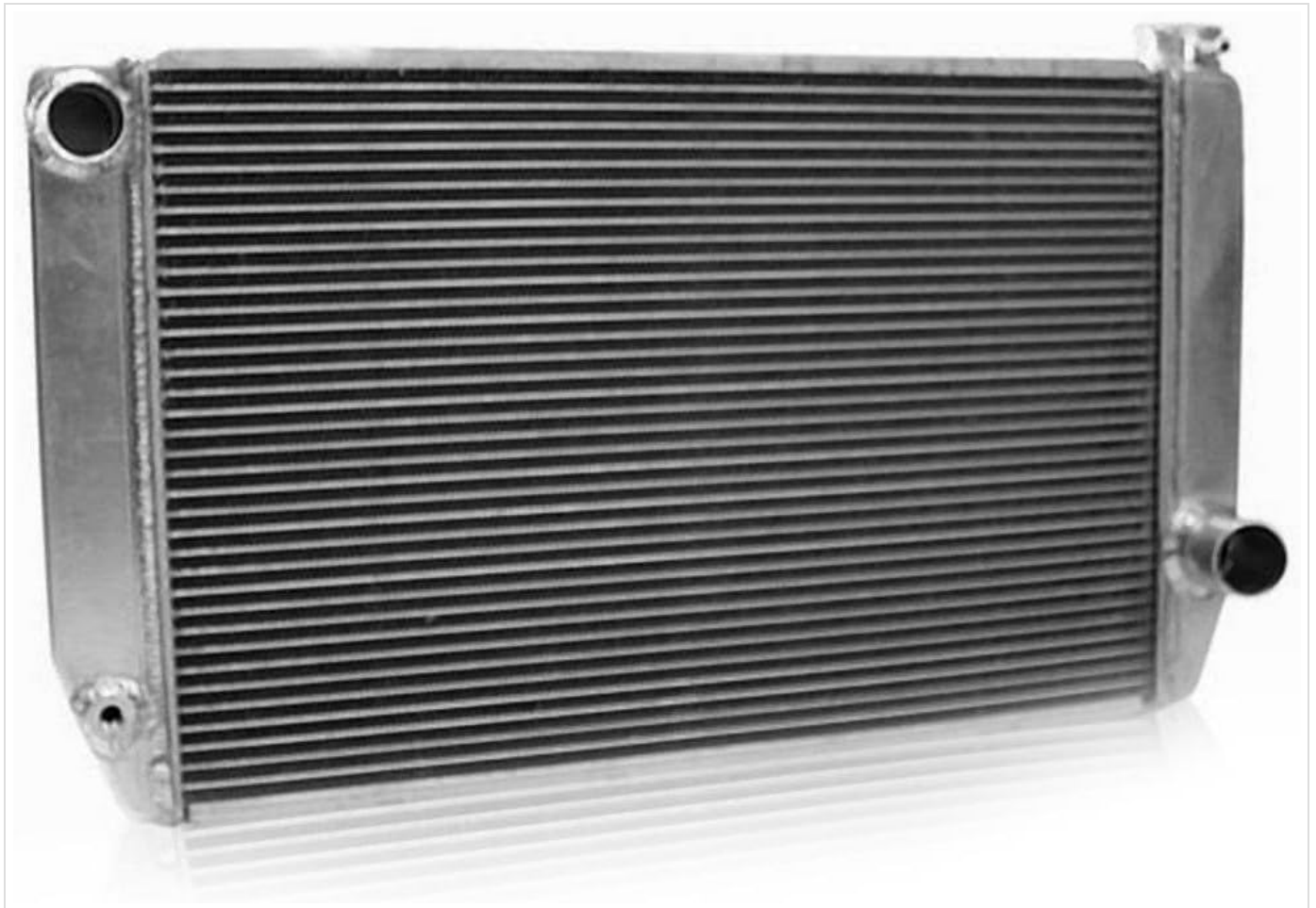


Image 1: The Griffin 1-55221-XS Universal Aluminum Racing Radiator. This image displays the overall structure of the radiator, highlighting its core and the inlet/outlet connections. The radiator features a robust aluminum construction designed for efficient heat transfer.

### 3. OPERATING CONSIDERATIONS

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Once installed, the Griffin 1-55221-XS radiator operates as part of your vehicle's cooling system. This radiator is rated for up to 600 horsepower applications.

- **Initial Startup:** After installation and filling, run the engine to operating temperature. Monitor the temperature gauge closely.
- **Coolant Level:** Regularly check the coolant level in both the radiator and the overflow reservoir. Top up as necessary with the recommended coolant.
- **Temperature Monitoring:** Pay attention to your vehicle's temperature gauge. Consistent overheating indicates a potential issue that requires immediate attention.

### 4. MAINTENANCE

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Regular maintenance helps preserve the efficiency and lifespan of your radiator.

#### Routine Checks

- **Visual Inspection:** Periodically inspect the radiator for any signs of leaks, corrosion, or damage to the fins.
- **Hose Condition:** Check radiator hoses for cracks, bulges, or softness. Replace any damaged hoses promptly.
- **Coolant Quality:** Ensure the coolant is clean and free of debris or discoloration. Follow your vehicle manufacturer's recommendations for coolant flush and replacement intervals.

Cleaning

- **Exterior Cleaning:** Gently clean the radiator fins to remove dirt, bugs, and debris. Use a soft brush or low-pressure air/water. Avoid high-pressure washing, which can damage the fins.
- **Interior Cleaning:** The internal passages of the radiator should be cleaned during a coolant flush. Use a reputable cooling system cleaner if necessary, following product instructions.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your cooling system.

Common Issues and Solutions

- **Engine Overheating:**
  - Check coolant level.
  - Inspect for blockages in radiator fins or airflow.
  - Verify fan operation.
  - Check for thermostat malfunction.
- **Coolant Leaks:**
  - Visually inspect hoses, clamps, and radiator for drips or wet spots.
  - Check the radiator cap for proper sealing.
  - A pressure test may be required to locate small leaks.
- **Low Coolant Level (without visible leaks):**
  - Check for internal engine leaks (e.g., head gasket).
  - Ensure the cooling system was properly bled of air during the last refill.

If troubleshooting steps do not resolve the issue, consult a qualified automotive technician.

6. SPECIFICATIONS

Key technical specifications for the Griffin 1-55221-XS Universal Aluminum Racing Radiator:

Feature	Specification
Model Number	1-55221-XS
Brand	Griffin
Core Dimensions	26 x 15.5 inches
Core Type	CrossFlow
Tube Configuration	Two Rows of MaxCool 1.25" Tube
Horsepower Rating	Rated for 600 Hp

Feature	Specification
Outlet Configuration	Top Driver, Bottom Passenger
Lower Outlet Type	Straight
Item Weight	13.92 pounds
Product Dimensions	31.75 x 8.5 x 22.25 inches

## 7. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty documentation provided at the time of purchase or visit the official Griffin Radiator website. For technical support or further assistance, please contact Griffin Radiator customer service directly.

*Note: This manual provides general guidelines. Specific vehicle applications may require additional considerations.*