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> [All States Radiator Instruction Manual for Case Skid Steer Loaders \(Models 75XT, 85XT, 90XT, 95XT\) - OEM 237991A2, 237992A3](#)

All States 119571

All States Radiator Instruction Manual

For Case Skid Steer Loaders 75XT, 85XT, 90XT, 95XT

Model: 119571 | Replaces OEM: 237991A2, 237992A3

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your new All States Radiator. This radiator is designed as a direct replacement for specific Case Skid Steer Loader models. Adhering to these instructions will help ensure optimal performance and longevity of the product. Please read this manual thoroughly before proceeding with installation or use.

2. SAFETY INFORMATION

WARNING: Improper installation or handling of cooling system components can result in serious injury or damage to equipment.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on the cooling system.
- Allow the engine to cool completely before attempting any work on the radiator or cooling system. Hot coolant and steam can cause severe burns.
- Ensure the vehicle is on a stable, level surface and properly secured before beginning work.
- Dispose of old coolant and radiator components according to local environmental regulations.
- If you are unsure about any step, consult a qualified technician or the vehicle's official service manual.

3. COMPATIBILITY

This All States Radiator (Model 119571) is compatible with the following Case Skid Steer Loader models and replaces the specified OEM part numbers:

- **Case 75XT:** (s/n: JAF0352169-later, Europe), (s/n: JAF0318922-later, NA)
- **Case 85XT:** (s/n: JAF0352715-later, Europe), (s/n: JAF0352234-later, NA)
- **Case 90XT:** (s/n: JAF0274262-later, Europe), (s/n: JAF0320050-later, NA)

- **Case 95XT:** (s/n: JAF0274360-later, Europe), (s/n: JAF0311357-later, NA)

Replaces Case OEM Part Numbers: 237992A3, 237991A2

Verify your vehicle's model and serial number to ensure proper fitment before installation.

4. UNPACKING

Carefully remove the radiator from its packaging. Inspect the radiator for any signs of shipping damage, such as bent fins, damaged tanks, or broken connections. If any damage is found, do not proceed with installation and contact your supplier immediately.



Image 1: Front view of the All States Radiator, showing the core and top/bottom tanks.



Image 2: Angled view of the All States Radiator, highlighting the inlet and outlet connections.

5. SETUP (INSTALLATION)

Radiator installation typically involves working with the vehicle's cooling system. It is highly recommended that this procedure be performed by a qualified mechanic or technician. Refer to your Case Skid Steer Loader's official service manual for detailed, model-specific instructions.

General Installation Steps:

1. **Prepare the Vehicle:** Park the skid steer on a level surface, engage the parking brake, and turn off the engine. Allow the engine to cool completely. Disconnect the battery's negative terminal.
2. **Drain Coolant:** Place a suitable drain pan under the radiator drain cock. Open the drain cock and remove the radiator cap to allow the coolant to drain completely.
3. **Remove Hoses and Connections:** Disconnect the upper and lower radiator hoses, transmission cooler lines (if applicable), and any other sensors or overflow lines connected to the radiator.
4. **Remove Mounting Hardware:** Unbolt or unclip the radiator from its mounting points. Carefully lift and remove the old radiator from the vehicle.
5. **Install New Radiator:** Carefully lower the new All States Radiator into position. Ensure it seats correctly on its mounting points. Secure it with the appropriate bolts or clips.
6. **Reconnect Components:** Reattach all hoses, transmission cooler lines, and sensors. Use new hose clamps if the old ones are worn or damaged. Ensure all connections are secure to prevent leaks.
7. **Refill Coolant:** Close the radiator drain cock. Slowly fill the radiator with the manufacturer-recommended coolant mixture. Bleed any air from the system as per your vehicle's service manual.
8. **Check for Leaks:** Start the engine and allow it to reach operating temperature. Monitor the coolant level and check for any leaks around the radiator and hose connections. Top off coolant as needed.
9. **Final Check:** Reconnect the battery. Ensure all tools are removed from the engine bay and all covers are reinstalled.



Image 3: Side view of the All States Radiator, showing mounting brackets.

6. OPERATING

Once installed, the radiator operates as an integral part of your skid steer's engine cooling system. Its primary function is to dissipate heat from the engine coolant, maintaining optimal engine operating temperature. Proper operation relies on a fully functional cooling system, including the water pump, thermostat, hoses, and adequate coolant levels.

Key Operational Considerations:

- **Temperature Monitoring:** Always monitor the engine temperature gauge during operation. An abnormally high temperature indicates a potential cooling system issue.
- **Coolant Level:** Ensure the coolant reservoir is maintained at the recommended level. Low coolant can lead to overheating.
- **Airflow:** Keep the radiator fins clear of debris (dirt, leaves, mud) to ensure unrestricted airflow for efficient heat exchange.

7. MAINTENANCE

Regular maintenance of your cooling system, including the radiator, is crucial for preventing overheating and extending engine life.

Recommended Maintenance Schedule:

- **Daily/Pre-Operation Check:** Visually inspect the radiator for any obvious leaks or damage. Check the coolant level in the overflow reservoir.
- **Weekly/Monthly Check:** Inspect radiator fins for blockages (dirt, leaves, debris). Clean as necessary using compressed air or a soft brush, being careful not to bend the fins. Check the condition of radiator hoses for cracks, bulges, or softness.
- **Annual/Scheduled Coolant Flush:** Follow your vehicle manufacturer's recommendations for coolant flush and replacement intervals. Use only the specified type of coolant.
- **Pressure Test:** Periodically have the cooling system pressure tested to identify potential leaks before they become major issues.



Image 4: Another angled view of the All States Radiator, showing the fill neck and hose connections.

8. TROUBLESHOOTING

This section addresses common issues related to radiator performance. For complex problems, consult a professional mechanic.

Symptom	Possible Cause	Solution
Engine Overheating	<ul style="list-style-type: none"> ◦ Low coolant level ◦ Blocked radiator fins ◦ Faulty thermostat ◦ Malfunctioning water pump ◦ Air in cooling system 	<ul style="list-style-type: none"> ◦ Check and top up coolant ◦ Clean radiator fins ◦ Inspect/replace thermostat ◦ Inspect/replace water pump ◦ Bleed cooling system
Coolant Leak	<ul style="list-style-type: none"> ◦ Loose hose clamps ◦ Damaged hoses ◦ Radiator crack/puncture ◦ Faulty radiator cap 	<ul style="list-style-type: none"> ◦ Tighten clamps ◦ Replace damaged hoses ◦ Inspect radiator for damage (replace if necessary) ◦ Replace radiator cap
Low Coolant Level (Recurring)	<ul style="list-style-type: none"> ◦ Undetected leak ◦ Head gasket issue 	<ul style="list-style-type: none"> ◦ Perform pressure test to locate leak ◦ Consult a mechanic for engine inspection

9. SPECIFICATIONS

The following are the key specifications for the All States Radiator (Model 119571):

- **Core Height:** 20-1/2 inches

- **Core Width:** 20 inches
- **Depth:** 3-1/4 inches
- **Fill Neck Height:** 3/4 inches
- **Fins Per Inch:** 7
- **Inlet Diameter:** 1-3/4 inches
- **Outlet Diameter:** 2-1/4 inches
- **Overall Height:** 26-1/8 inches
- **Overall Width:** 21-1/4 inches
- **Rows:** 5
- **Product Dimensions:** 31 x 26 x 10 inches (Shipping/Packaged)
- **Item Weight:** 31 pounds



Image 5: Rear view of the All States Radiator, showing the core and mounting points.

10. WARRANTY AND SUPPORT

For specific warranty information regarding your All States Radiator, please refer to the documentation provided at the time of purchase or contact your seller directly. Warranty terms typically cover manufacturing defects and may vary. Keep your proof of purchase for warranty claims.

For technical support or further assistance, please contact the retailer or manufacturer through their official support channels.