

## All States 149529

# All States Condenser to Receiver Drier Hose Instruction Manual

Model: 149529 | Replaces Ag-Chem OEM Part: AG122067

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your All States Condenser to Receiver Drier Hose, Model 149529. This product is designed as a direct replacement for Ag-Chem OEM part number AG122067. Please read these instructions carefully before proceeding with installation or maintenance to ensure safe and effective use.

## 2. SAFETY INFORMATION

**WARNING: Automotive air conditioning systems contain refrigerants under high pressure. Improper handling can cause serious injury, including frostbite, chemical burns, or blindness. Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on AC systems.**

- Ensure the AC system is properly discharged by a certified technician before attempting any repairs or component replacement.
- Never open the AC system without proper training and tools.
- Avoid contact with refrigerant and compressor oil.
- Keep all tools and work areas clean and free of debris.
- Professional installation is highly recommended for all AC system components.

## 3. PRODUCT OVERVIEW

The All States Condenser to Receiver Drier Hose (Model 149529) is a critical component in the air conditioning system of Ag-Chem equipment, facilitating the transfer of refrigerant between the condenser and the receiver drier. This hose is engineered to meet or exceed OEM specifications, ensuring reliable performance and a precise fit.



This image displays the All States Condenser to Receiver Drier Hose. The hose features a black flexible section, with a 90-degree angled metal fitting on the left and a straight metal fitting on the right. Both fittings are secured to the hose ends with blue clamp assemblies, indicating a robust connection for AC system applications.

## 4. SETUP AND INSTALLATION

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### 4.1 Pre-Installation Checks

- Verify that the replacement hose (Model 149529) matches the original hose in length, fitting type, and orientation.
- Inspect the new hose for any signs of damage, kinks, or manufacturing defects.
- Ensure all necessary tools are available, including wrenches, O-ring lubricant, and a torque wrench.
- Confirm the AC system has been completely discharged and is free of pressure.

### 4.2 Installation Procedure

1. **Remove Old Hose:** Carefully disconnect and remove the old condenser to receiver drier hose. Be prepared for any residual refrigerant or oil.
2. **Clean Connections:** Thoroughly clean the mating surfaces on the condenser and receiver drier to ensure a proper seal. Remove any old O-rings or debris.
3. **Install New O-Rings:** Apply a thin coat of appropriate AC system lubricant (e.g., PAG oil for R-134a systems) to new O-rings. Install the O-rings onto the fittings of the new hose. *Do not reuse old O-rings.*
4. **Connect Hose:** Carefully align the new hose with the condenser and receiver drier connections. Hand-tighten the fittings to ensure they are not cross-threaded.
5. **Torque Fittings:** Using a torque wrench, tighten the fittings to the manufacturer's specified torque values. Overtightening can damage fittings and cause leaks; undertightening can also lead to leaks. Consult your equipment's service manual for specific torque specifications.
6. **Evacuate and Recharge:** After installation, the AC system must be evacuated using a vacuum pump to remove air and moisture. Once evacuated, recharge the system with the correct type and amount of refrigerant and compressor oil according to the equipment manufacturer's specifications.
7. **Leak Test:** Perform a thorough leak test using an electronic leak detector or UV dye to confirm all connections are sealed properly.

## 5. OPERATING INSTRUCTIONS

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Once the All States Condenser to Receiver Drier Hose is correctly installed and the AC system has been evacuated and recharged, the system should operate as designed. Monitor the AC system's performance, ensuring consistent cooling and no unusual noises or odors. The hose itself is a passive component and does not require specific operating instructions beyond proper installation and system integrity.

## 6. MAINTENANCE

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Regular inspection of the AC system, including the condenser to receiver drier hose, is crucial for longevity and performance.

- **Visual Inspection:** Periodically inspect the hose for signs of wear, cracks, chafing, or leaks. Look for oil residue around fittings, which can indicate a leak.
- **Connection Integrity:** Ensure all hose connections remain tight. Do not overtighten if re-securing.
- **Cleanliness:** Keep the hose and surrounding components free of dirt, debris, and corrosive materials.
- **System Performance:** If you notice a decrease in AC cooling performance, have the system checked by a qualified technician.

## 7. TROUBLESHOOTING

If you experience issues with your AC system after installing the hose, consider the following common problems:

Symptom	Possible Cause	Action
Refrigerant Leak	Improperly torqued fittings, damaged O-rings, hose damage.	Perform a leak test. Re-torque fittings to specification. Replace O-rings if necessary. Replace hose if damaged.
Poor Cooling Performance	Low refrigerant charge, air/moisture in system, other AC component failure.	Check refrigerant levels. Evacuate and recharge system. Consult a technician for further diagnosis.
Hose Kinked or Restricted	Improper routing during installation.	Inspect hose routing. Re-route or replace hose if permanently kinked.

For complex issues or if troubleshooting steps do not resolve the problem, it is recommended to consult a qualified automotive AC technician.

## 8. SPECIFICATIONS

- **Part Name:** Condenser to Receiver Drier Hose
- **Brand:** All States
- **Model Number:** 149529
- **Replaces OEM Part:** Ag-Chem AG122067
- **Application:** Ag-Chem Equipment (specific models may vary, verify fitment)
- **Material:** Automotive-grade hose and metal fittings

## 9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty documentation provided by All States or the retailer from whom the product was purchased. For technical support or further assistance, please contact the All States customer service department or your authorized dealer.