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## Yellow Jacket 21712

# Yellow Jacket 21712 Plus II Hose User Manual

Model: 21712 | Brand: Yellow Jacket

## PRODUCT OVERVIEW

The Yellow Jacket 21712 Plus II Hose is a specialized hose designed for use with CFC, HCFC, and HFC refrigerants. It features a nylon permeation barrier that meets SAE requirements J2196, ensuring minimal refrigerant loss and contamination. This hose is engineered for durability and reliable performance in various HVAC/R applications. Key features include a moisture barrier for improved resistance to moisture migration, and robust construction rated for high pressures and a wide operating temperature range.

## PRODUCT IMAGE



This image displays the Yellow Jacket 21712 Plus II Hose, a red hose designed for refrigerant transfer. It features 1/4 inch flare fittings on both ends, suitable for connecting to various HVAC/R systems. The hose is coiled and secured with a black tie, highlighting its flexibility and compact storage.

## SETUP

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Before connecting the Yellow Jacket 21712 Plus II Hose, ensure all system components are clean and free of debris. Verify that the 1/4" flare fittings on the hose are compatible with your equipment.

1. **Inspect the Hose:** Visually inspect the entire length of the hose for any signs of damage, cuts, or excessive wear. Check the flare fittings for deformities or obstructions.
2. **Prepare Connections:** Ensure the male and female flare connections on your equipment are clean. Use appropriate tools to tighten connections, but avoid over-tightening which can damage the fittings.
3. **Leak Check:** After connecting the hose, always perform a leak check using an approved leak detection method before introducing refrigerants or pressure.

*Safety Note: Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling refrigerants and working with pressurized systems.*

## OPERATING INSTRUCTIONS

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The Yellow Jacket 21712 Plus II Hose is designed for transferring refrigerants in HVAC/R systems. Adhere to the

following guidelines for safe and effective operation:

- **Pressure Limits:** Do not exceed the maximum working pressure of 800 psi (55 bar). The hose has a minimum burst pressure of 4000 psi (276 bar), but operating within the specified working pressure is crucial for safety and longevity.
- **Temperature Range:** Operate the hose within its specified temperature range of -20°F to 180°F (-28.8°C to 82.2°C). Exposure to temperatures outside this range can compromise hose integrity.
- **Refrigerant Compatibility:** This hose is compatible with CFC, HCFC, and HFC refrigerants. Ensure the refrigerant being used is appropriate for the system and the hose.
- **Bend Radius:** Avoid bending the hose beyond its minimum bend radius of 6 inches (152 mm) to prevent kinking or damage to the internal structure.
- **System Evacuation/Charging:** Follow standard industry practices and equipment manufacturer guidelines for system evacuation, charging, and recovery procedures when using this hose.

## MAINTENANCE

Proper maintenance extends the life of your Yellow Jacket 21712 Plus II Hose and ensures continued safe operation.

- **Regular Inspection:** Before each use, inspect the hose for any signs of wear, cracks, abrasions, or damage to the outer jacket. Pay close attention to the areas near the fittings.
- **Cleaning:** If the hose becomes dirty, wipe it clean with a damp cloth. Avoid using harsh chemicals or solvents that could degrade the hose material.
- **Moisture Barrier:** The integrated moisture barrier helps prevent moisture migration. However, always store the hose in a clean, dry environment to minimize moisture absorption.
- **Storage:** Store the hose coiled loosely in a cool, dry place, away from direct sunlight, extreme temperatures, and sharp objects. Avoid kinking the hose during storage.
- **Fitting Care:** Keep the flare fittings clean and protected from dirt and damage. Consider using protective caps when the hose is not in use.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your Yellow Jacket 21712 Plus II Hose.

Problem	Possible Cause	Solution
Refrigerant Leak at Fitting	Loose connection, damaged flare, worn O-ring (if applicable)	Ensure fittings are properly tightened. Inspect flare for damage; replace hose if flare is compromised. Check for and replace any worn O-rings.
Hose Kinking	Exceeding minimum bend radius, improper storage	Ensure hose is not bent sharply during use or storage. Maintain a bend radius of at least 6 inches (152 mm).
Reduced Flow/Blockage	Internal debris, severe kinking	Disconnect hose and inspect for internal obstructions. If severely kinked and flow is restricted, the hose may need replacement.
Hose Degradation (Cracks, Brittleness)	Exposure to extreme temperatures, harsh chemicals, or UV light	Store hose properly. Avoid exposure to damaging elements. Replace hose if material shows signs of degradation.

## SPECIFICATIONS

Attribute	Detail
Model Number	21712
Brand	Yellow Jacket
Material	Nylon
Color	Red
Fittings	Standard 1/4" Flare
Minimum Burst Pressure	4000 psi (276 bar)
Maximum Working Pressure	800 psi (55 bar)
Operating Temperature	-20°F to 180°F (-28.8°C to 82.2°C)
Minimum Bend Radius	6 inches (152 mm)
Item Weight	1.03 Pounds
Package Dimensions	2 x 2 x 2 inches
UPC	686800217123

## WARRANTY AND SUPPORT

For specific warranty information regarding your Yellow Jacket 21712 Plus II Hose, please refer to the documentation provided with your purchase or contact the manufacturer directly. Warranty terms typically cover defects in materials and workmanship under normal use.

For technical support, product inquiries, or assistance with troubleshooting beyond the scope of this manual, please contact Yellow Jacket customer service or the authorized distributor from whom you purchased the product. Contact information can usually be found on the manufacturer's official website or product packaging.

Manufacturer: Fotronic Corporation

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This manual is for informational purposes only. Specifications are subject to change without notice.