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› [Robinair AC1234-4 Premier R-1234yf Recovery, Recycling, and Recharging Machine Instruction Manual](#)

Robinair AC1234-4

Robinair AC1234-4 Premier R-1234yf Recovery, Recycling, and Recharging Machine Instruction Manual

Model: AC1234-4

PRODUCT OVERVIEW

The Robinair AC1234-4 is a fully automatic R-1234yf A/C service machine designed for accurate and reliable refrigerant recovery, recycling, and recharging. It meets or exceeds SAE J2843 standards and is capable of servicing both standard and high-voltage vehicle A/C systems. Key features include an integrated refrigerant identifier, high recovery efficiency, and automated operational steps.



Figure 1: Front view of the Robinair AC1234-4 machine.

SETUP

- Unpacking and Placement:** Carefully remove the machine from its packaging. Place it on a stable, level surface in a well-ventilated area.
- Power Connection:** Connect the machine to a 115 VAC 60 Hz power source. Ensure the power outlet is properly grounded.
- Hose Connections:** Connect the 9 ft service hoses to the appropriate high-pressure (red) and low-pressure (blue) ports on the machine.
- Internal Cylinder:** Verify the 30 lb DOT internal cylinder is correctly installed and connected within the machine.
- Filter-Drier:** Ensure the 330 lb spin-on filter-drier is securely in place.

OPERATING INSTRUCTIONS

- Power On:** Turn on the main power switch of the machine.
- Refrigerant Identification:** The integrated refrigerant identifier will sample the refrigerant in the vehicle's A/C system prior to recovery to ensure it is R-1234yf.
- Automatic Operation:** The AC1234-4 features fully automatic operation. Program the desired service (recovery, recycling, recharging) and the machine will execute the process, including automatic internal tank refill, oil drain, and air purge.
- Programmable Vacuum:** Utilize the programmable vacuum operation to achieve the necessary vacuum level efficiently.
- System Leak Test:** An integrated system leak test identifies gross leaks before charging, ensuring the system holds the refrigerant charge.
- Liquid Refrigerant Flushing:** Use the liquid refrigerant flushing function to clean A/C systems or individual components.



Figure 2: Technician operating the Robinair AC1234-4 machine.

MAINTENANCE

- Filter-Drier Replacement:** The machine will prompt for filter-drier replacement when approximately 1/3 of its life remains. Replace the 330 lb spin-on filter-drier as indicated.
- Automatic Oil Drain:** The machine includes an automatic oil drain function. Regularly check the drained oil for contamination.
- Automatic Air Purge:** The automatic air purge function removes non-condensable gases from the internal tank.
- Hose Inspection:** Periodically inspect the 9 ft hoses for any signs of wear, damage, or leaks. Replace if necessary.

TROUBLESHOOTING

For specific error codes or operational issues not covered in the general instructions, refer to the detailed troubleshooting section in the full product manual. Common issues may include low refrigerant levels in the internal tank, system leaks, or connectivity problems if optional kits are installed.

- Low Refrigerant in Internal Tank:** The machine features automatic internal tank refill. Ensure an external refrigerant supply is connected if the internal tank is low.
- System Leak Detected:** If the integrated system leak test fails, identify and repair the leak in the vehicle's A/C system before proceeding with charging.
- Connectivity Issues (Optional):** If Wi-Fi or Bluetooth connectivity is enabled with optional kits (80211TMP or 80211VCI), ensure proper installation and network configuration.

SPECIFICATIONS

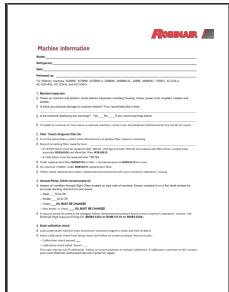
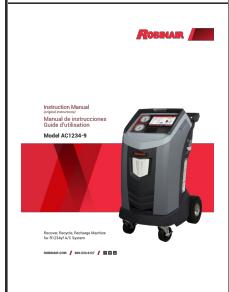
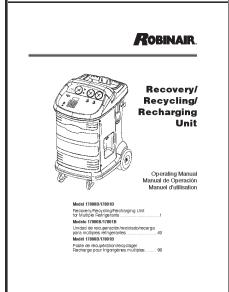
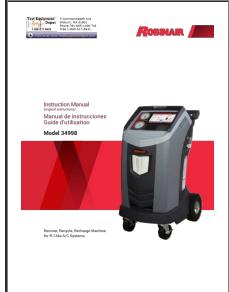
Feature	Specification
Manufacturer	Robinair
Model Number	AC1234-4
Item Weight	206 pounds
Product Dimensions	44 x 24 x 44 inches
Exterior Material	STEEL
Voltage	115 VAC 60 Hz
Temperature Range	50-120°F
Humidity	50-122°F, 86% RH non-condensing
Max Pressure	450 PSI (31 bar)
Filter-Drier Capacity	330 lb, spin-on
Hose Length	9 ft
Vacuum Pump	1.5 cfm @ 60hz
Internal Cylinder	30 lb DOT

WARRANTY AND SUPPORT

This product is returnable until January 31, 2026. For customer support, please refer to the contact information provided with your purchase or visit the official Robinair website.

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Related Documents - AC1234-4

	<p>Robinair Machine Pre-Season Maintenance Checklist</p> <p>A comprehensive checklist for performing pre-season maintenance and checks on Robinair HVAC service equipment, covering machine inspection, filter life, vacuum pump oil, scale calibration, leak checks, software updates, and refrigerant identifier maintenance. Includes model numbers and part numbers.</p>
	<p>Robinair AC1234-9: R1234yf A/C Service Machine Instruction Manual</p> <p>This instruction manual provides detailed operational guidance for the Robinair AC1234-9, a professional machine designed for the recovery, recycling, and recharging of R1234yf refrigerant in automotive air conditioning systems, meeting SAE J2843 standards.</p>
	<p>Robinair 17800B/17801B Refrigerant Recovery, Recycling, and Recharging Unit Operating Manual</p> <p>This operating manual provides comprehensive instructions for the Robinair 17800B/17801B Refrigerant Recovery, Recycling, and Recharging Unit. It covers setup, operation, maintenance, safety guidelines, and troubleshooting for automotive A/C systems.</p>
	<p>Robinair 34998 R-134a A/C System Recover, Recycle, Recharge Machine Instruction Manual</p> <p>This manual provides detailed instructions for operating, maintaining, and troubleshooting the Robinair Model 34998 machine, designed for recovering, recycling, and recharging R-134a automotive air conditioning systems. It includes safety precautions, setup procedures, operating guidelines, maintenance schedules, and a troubleshooting guide.</p>
	<p>Robinair AC1X34-3i / AC1234-3i A/C Service Unit Quick Start and Setup Guide</p> <p>This guide provides initial setup instructions for the Robinair AC1X34-3i and AC1234-3i A/C service units, covering unpacking, connections, power-up, language and unit selection, date/time settings, print header configuration, automatic internal clearing, oil injection programming, tank filling, and WiFi configuration.</p>



[Robinair 25700 Refrigerant Recovery Machine Operating Manual | Service Guide](#)

Comprehensive operating manual for the Robinair 25700 Refrigerant Recovery Machine. Includes safety precautions, setup, operating procedures, troubleshooting, parts, and maintenance for R1234yf and R134a systems.