



Manuals.plus /

› UAC /

› UAC HA 9098C A/C Manifold Hose Assembly User Manual

UAC HA 9098C

UAC HA 9098C A/C Manifold Hose Assembly User Manual

1. PRODUCT OVERVIEW

The UAC HA 9098C is an A/C Manifold Hose Assembly designed as an Original Equipment (OE) replacement part for automotive air conditioning systems. This assembly facilitates the flow of refrigerant within the A/C system, connecting various components such as the compressor, condenser, and evaporator.

Key features include:

- OE replacement design for precise fit and function.
- Manufactured and tested to meet or exceed ISO/TS 16949 quality standards.
- Comprises both suction and discharge lines for comprehensive system integration.

1.1. What's in the Box

The package contains one UAC HA 9098C A/C Manifold Hose Assembly.



Figure 1: UAC HA 9098C A/C Manifold Hose Assembly. This image displays the complete hose assembly, featuring black rubber hoses connected to silver metal tubing and various fittings, designed for automotive air conditioning systems.

2. SAFETY INFORMATION

Working with automotive air conditioning systems involves high-pressure refrigerants and specialized tools. Improper handling can lead to serious injury or damage to the vehicle. Always observe the following safety precautions:

- **Professional Installation Recommended:** Due to the complexity and safety risks associated with A/C systems, professional installation by a certified technician is highly recommended.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and long sleeves, when working on A/C systems.
- **Refrigerant Handling:** Refrigerants are under high pressure and can cause frostbite or other injuries if released. Do not attempt to discharge or recharge an A/C system without proper training and equipment.
- **System Depressurization:** Ensure the A/C system is properly depressurized by a qualified technician before attempting to remove or install any components.
- **Electrical Safety:** Disconnect the vehicle's battery before working on any electrical components of the A/C system.

- **Component Compatibility:** Verify that this hose assembly is compatible with your specific vehicle make, model, and year before installation.

3. INSTALLATION INSTRUCTIONS

These instructions provide a general overview. Specific steps may vary depending on the vehicle model. Refer to your vehicle's service manual for detailed procedures.

1. **Prepare the Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the battery.
2. **Depressurize A/C System:** Have a certified A/C technician safely recover the refrigerant from the system using appropriate equipment. Do not vent refrigerant into the atmosphere.
3. **Access the Assembly:** Locate the existing A/C manifold hose assembly. This may require removing other components for access.
4. **Remove Old Assembly:** Carefully disconnect the old hose assembly from the compressor, condenser, evaporator, and any other connection points. Be prepared for residual refrigerant or oil. Cap open lines immediately to prevent contamination.
5. **Inspect and Clean:** Inspect the mating surfaces on the vehicle's A/C components for cleanliness and damage. Clean as necessary. Replace O-rings on all connections with new, A/C-compatible O-rings.
6. **Install New Assembly:** Position the UAC HA 9098C A/C Manifold Hose Assembly. Connect each end to its corresponding component, ensuring proper alignment. Hand-tighten fittings first, then torque to vehicle manufacturer specifications. Avoid overtightening.
7. **Evacuate and Recharge:** Once the new assembly is securely installed, the A/C system must be evacuated to remove air and moisture, then recharged with the correct type and amount of refrigerant and oil according to vehicle manufacturer specifications. This step requires specialized equipment and expertise.
8. **Leak Test:** After recharging, perform a thorough leak test using an electronic leak detector or UV dye to ensure all connections are sealed.
9. **Test System Operation:** Reconnect the battery. Start the vehicle and test the A/C system for proper operation, checking for adequate cooling and pressure readings.

4. OPERATING CONSIDERATIONS

Once the UAC HA 9098C A/C Manifold Hose Assembly is correctly installed and the A/C system is properly charged, the system operates as designed by the vehicle manufacturer. No specific operational steps are required for the hose assembly itself beyond ensuring the overall A/C system functions correctly.

- Regularly monitor your vehicle's A/C performance.
- If you notice a decrease in cooling efficiency or unusual noises, consult a qualified technician.

5. MAINTENANCE

The UAC HA 9098C A/C Manifold Hose Assembly is designed for durability and long-term performance. Regular maintenance of the overall A/C system contributes to the longevity of all components, including the hose assembly.

- **Visual Inspection:** Periodically inspect the hose assembly for signs of wear, cracks, chafing, or refrigerant leaks (often indicated by oily residue).

- **Connection Integrity:** Ensure all connections remain secure. Do not attempt to tighten fittings if the system is pressurized.
- **System Checks:** Have your vehicle's A/C system professionally inspected annually to check refrigerant levels, pressure, and overall component health.
- **Cleanliness:** Keep the engine bay clean to prevent dirt and debris from accumulating on A/C components, which can accelerate wear.

6. TROUBLESHOOTING

If you experience issues with your vehicle's A/C system after installing the UAC HA 9098C A/C Manifold Hose Assembly, consider the following common troubleshooting points. For complex issues, consult a professional automotive technician.

Symptom	Possible Cause	Action
No Cooling or Poor Cooling	Low refrigerant charge, system leak, faulty compressor, clogged expansion valve/orifice tube.	Check for leaks (especially at hose connections). Verify proper refrigerant charge. Inspect other A/C components.
Hissing or Gurgling Noise	Air in the system, low refrigerant.	Evacuate and recharge the system. Check for leaks.
Visible Oily Residue on Hose/Fittings	Refrigerant leak (refrigerant oil often leaks with it).	Locate and repair the leak. Replace O-rings if necessary. Evacuate and recharge.
Hose Damage (Cracks, Chafing)	Wear and tear, improper routing, contact with hot or sharp objects.	Replace the hose assembly immediately. Ensure proper routing to prevent future damage.

7. SPECIFICATIONS

Attribute	Detail
Brand	UAC (Universal Air Conditioner)
Model Number	HA 9098C
Part Type	A/C Manifold Hose Assembly (Suction and Discharge)
Item Weight	2 pounds (approx. 0.91 kg)
Product Dimensions	37 x 17 x 9 inches (approx. 94 x 43 x 23 cm)
Manufacturer Part Number	HA 9098C
UPC	711307419654
Quality Standard	Premium ISO/TS 16949 quality; tested to meet or exceed OEM specifications

8. WARRANTY AND SUPPORT

UAC (Universal Air Conditioner) parts are manufactured and tested to meet or exceed OE specifications, ensuring reliability and performance. For specific warranty terms and conditions related to the HA 9098C A/C Manifold Hose Assembly, please refer to the documentation provided with your purchase or contact UAC customer support directly.

It is recommended to retain your proof of purchase for any warranty claims.