

[Manuals.plus](#) /

› [UAC](#) /

› UAC CH 5620C A/C Compressor Head Instruction Manual

UAC CH 5620C

UAC CH 5620C A/C Compressor Head Instruction Manual

Model: CH 5620C

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your UAC CH 5620C A/C Compressor Head. This component is designed as an OE replacement part to ensure maximum cooling efficiency and compatibility with your vehicle's air conditioning system. Please read this manual thoroughly before proceeding with any installation or service.

SAFETY INFORMATION

WARNING: Automotive air conditioning systems contain high-pressure refrigerants and lubricants. Improper handling can lead to serious injury, including frostbite, chemical burns, or eye damage. Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when working on A/C systems.

- Installation should only be performed by a certified automotive technician with experience in A/C system service.
- Ensure the A/C system is properly discharged and depressurized before attempting to remove or install any components.
- Refer to your vehicle's specific service manual for detailed procedures and torque specifications.
- Do not expose the compressor head to open flames or high temperatures.
- Keep out of reach of children.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- UAC CH 5620C A/C Compressor Head
- Gasket (typically included, verify upon receipt)



Image 1: UAC CH 5620C A/C Compressor Head and accompanying gasket. The compressor head is a metallic, circular component with various ports and bolt holes. The gasket is a dark, star-shaped component designed to seal the compressor head.

INSTALLATION

The installation of an A/C compressor head requires specialized tools and knowledge. It is strongly recommended that this procedure be performed by a qualified automotive service technician.

1. **System Discharge:** Safely discharge the refrigerant from the A/C system using a certified recovery machine.
2. **Access Compressor:** Locate and gain access to the A/C compressor in your vehicle. This may involve removing other components.
3. **Remove Old Head:** Carefully unbolt and remove the old compressor head. Be prepared for residual oil or refrigerant.
4. **Clean Surfaces:** Thoroughly clean the mating surfaces on the compressor body to ensure a proper seal. Remove any old gasket material.
5. **Install New Gasket:** Place the new gasket onto the compressor body, ensuring correct alignment with the bolt holes and

ports.

6. **Install New Head:** Position the UAC CH 5620C A/C Compressor Head onto the compressor body, aligning it with the gasket and bolt holes.
7. **Secure Bolts:** Install and hand-tighten the retaining bolts. Refer to your vehicle's service manual for the correct torque specifications and tightening sequence. Over-tightening or under-tightening can lead to leaks or damage.
8. **Vacuum and Recharge:** Evacuate the A/C system to remove air and moisture, then recharge with the correct type and amount of refrigerant and lubricant as specified by the vehicle manufacturer.
9. **Leak Test:** Perform a thorough leak test using appropriate detection methods to ensure all connections are sealed.
10. **Test System:** Start the vehicle and test the A/C system for proper operation and cooling performance.



Image 2: Close-up view of the UAC CH 5620C A/C Compressor Head, highlighting the various refrigerant ports and bolt mounting points. Labels 'S' and 'D' are visible, indicating suction and discharge ports.

OPERATION

Once properly installed and the A/C system is recharged, the UAC CH 5620C A/C Compressor Head functions as an integral part of your vehicle's air conditioning system. It directs the flow of refrigerant within the compressor, facilitating the compression and circulation process necessary for cooling. There are no user-operable controls directly on the compressor head itself; its operation is controlled by the vehicle's climate control system.

MAINTENANCE

The UAC CH 5620C A/C Compressor Head itself is a sealed component and does not require routine user maintenance. However, regular maintenance of the overall A/C system is crucial for its longevity and performance.

- **Regular Inspections:** Periodically inspect the compressor head and surrounding connections for any signs of refrigerant leaks (e.g., oily residue, bubbles).
- **Refrigerant Levels:** Have your A/C system's refrigerant and lubricant levels checked by a professional annually. Low levels can strain the compressor and its components.

- **System Cleanliness:** Ensure the condenser and evaporator coils are clean and free of debris to allow for efficient heat exchange.

TROUBLESHOOTING

If you experience issues with your vehicle's A/C system after installing the compressor head, consider the following common problems. For complex issues, consult a qualified technician.

Problem	Possible Cause	Solution
Poor Cooling Performance	Low refrigerant charge, air in system, faulty expansion valve, clogged condenser/evaporator.	Check for leaks, evacuate and recharge system, inspect other A/C components.
Refrigerant Leak at Compressor Head	Improperly seated gasket, loose bolts, damaged O-rings, damaged compressor head.	Re-check bolt torque, replace gasket/O-rings, inspect compressor head for defects.
Unusual Noises from Compressor Area	Compressor internal issue (unlikely if new head is only change), loose mounting, incorrect belt tension.	Inspect compressor mounting, check belt tension, consult technician for internal compressor diagnosis.

SPECIFICATIONS

Brand: UAC
Model: CH 5620C
Item Weight: 1.3 pounds
Product Dimensions: 8 x 8 x 6 inches
Manufacturer Part Number: CH 5620C
OEM Part Number: 80039630
Exterior Finish: Machined
ASIN: B003R7HJI4

WARRANTY AND SUPPORT

The UAC CH 5620C A/C Compressor Head is backed by an industry-leading warranty, ensuring quality and reliability. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact UAC customer support. For technical assistance or further inquiries, please reach out to your point of purchase or a certified automotive service professional.

© 2023 UAC. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question