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› UAC HVAC A/C Compressor CO 11227C Instruction Manual

UAC CO 11227C

UAC HVAC A/C Compressor CO 11227C Instruction Manual

Model: CO 11227C

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your UAC HVAC A/C Compressor, model CO 11227C. This component is designed as an OE replacement for your vehicle's air conditioning system.



Image: Front view of the UAC HVAC A/C Compressor CO 11227C, showing the clutch and pulley assembly.

SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in personal injury or damage to the product or vehicle.

- Always wear appropriate personal protective equipment, including safety glasses and gloves, when handling automotive components.
- Automotive air conditioning systems contain refrigerants under high pressure. Only qualified personnel should service these systems. Improper handling can cause severe injury.
- Ensure the vehicle's battery is disconnected before beginning any installation work to prevent electrical hazards.

- Refer to your vehicle's service manual for specific procedures and torque specifications.
- Dispose of old refrigerants and components according to local environmental regulations.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon receipt.

- 1 x UAC HVAC A/C Compressor (Model CO 11227C)



Image: Side view of the UAC HVAC A/C Compressor CO 11227C, showing mounting points and refrigerant ports.

INSTALLATION INSTRUCTIONS (SETUP)

Installation of an A/C compressor requires specialized tools and knowledge of automotive air conditioning systems. It is highly recommended that installation be performed by a certified automotive technician.

1. **System Discharge:** Safely discharge the existing refrigerant from the A/C system using appropriate recovery equipment.

2. **Component Removal:** Remove the old A/C compressor and any other components that require replacement (e.g., accumulator/drier, expansion valve/orifice tube).
3. **System Flush:** Thoroughly flush the entire A/C system to remove contaminants and old oil. This step is critical for warranty validation and system longevity.
4. **Oil Management:** The new compressor may come charged with shipping oil. Drain this oil and replace it with the correct type and amount of PAG oil specified for your vehicle's system. Refer to your vehicle's service manual for exact specifications.
5. **New Component Installation:** Install the new UAC A/C compressor, accumulator/drier, and expansion valve/orifice tube. Ensure all connections are clean and properly sealed with new O-rings.
6. **Vacuum and Leak Test:** Evacuate the A/C system to a deep vacuum for at least 30-45 minutes to remove moisture and air. Perform a leak test to ensure system integrity.
7. **Refrigerant Charge:** Recharge the system with the correct type and amount of refrigerant (e.g., R-134a) according to your vehicle's specifications.
8. **Performance Check:** Start the vehicle and test the A/C system for proper operation, including vent temperature and pressure readings.

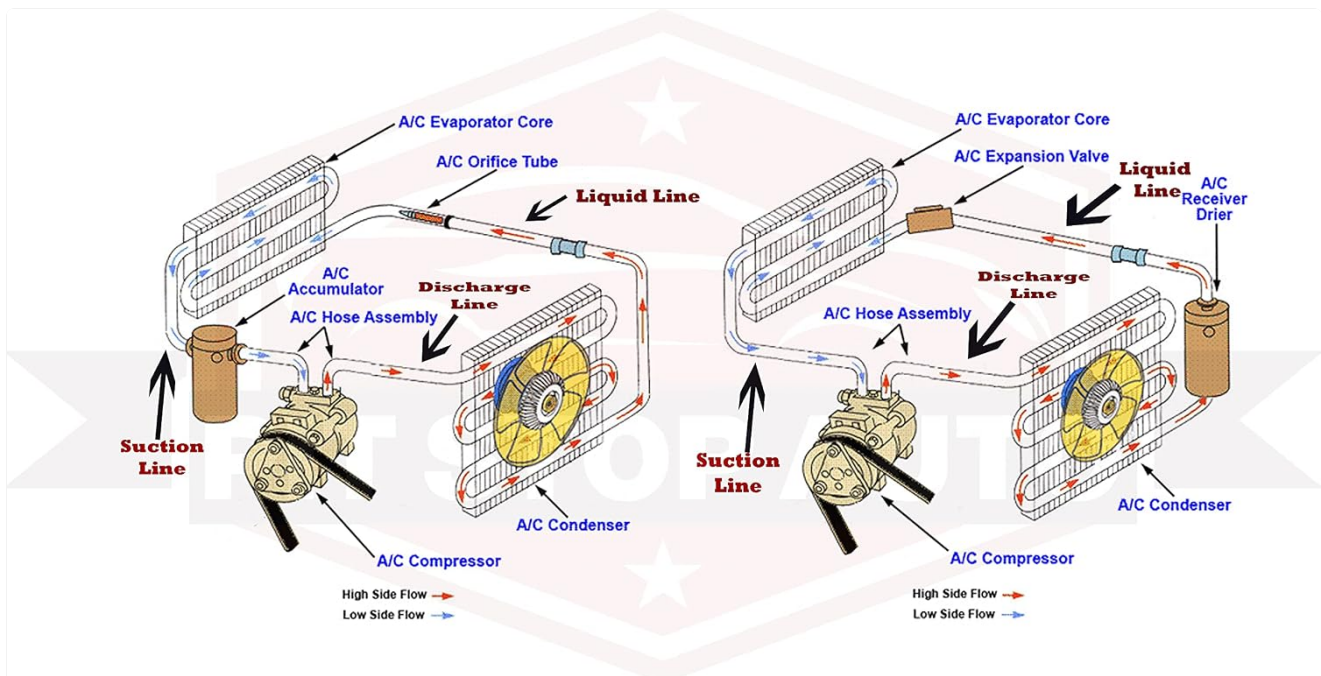


Image: Schematic diagram illustrating the components and refrigerant flow within a typical automotive A/C system, including the compressor, condenser, evaporator, and associated lines.

OPERATION

The A/C compressor is an integral part of your vehicle's air conditioning system, responsible for circulating refrigerant. Once properly installed and charged, the system operates automatically when the A/C is engaged. Ensure your vehicle's engine is running and the A/C controls are set to the desired cooling level. For optimal performance, periodically run your A/C system, even during colder months, to keep seals lubricated and prevent refrigerant leaks.

MAINTENANCE

Regular maintenance of your vehicle's A/C system can extend the life of components, including the compressor.

- **Refrigerant Level Check:** Have your A/C system's refrigerant level checked annually by a qualified

technician. Low refrigerant can cause the compressor to overwork and fail.

- **Belt Inspection:** Inspect the serpentine belt that drives the compressor for cracks, fraying, or excessive wear. Replace as needed.
- **Condenser Cleaning:** Keep the condenser (located in front of the radiator) free of debris (leaves, bugs, dirt) to ensure efficient heat exchange.
- **Cabin Air Filter:** Replace your cabin air filter regularly to maintain good airflow and reduce strain on the system.

TROUBLESHOOTING

If you experience issues with your A/C system, consider the following common problems. For complex issues, consult a professional automotive technician.

Symptom	Possible Cause	Action
No cold air	Low refrigerant, faulty compressor clutch, electrical issue, clogged expansion valve.	Check refrigerant levels, inspect compressor clutch engagement, consult technician.
Weak airflow	Clogged cabin air filter, blower motor issue.	Replace cabin air filter, inspect blower motor.
Unusual noises from compressor	Low oil, internal compressor failure, worn clutch bearing.	Have system inspected immediately by a professional.
A/C cycles on and off rapidly	Low refrigerant, faulty pressure switch.	Check refrigerant levels, inspect pressure switch.

SPECIFICATIONS

Feature	Detail
Brand	UAC
Model Name	New HVAC A/C Compressor CO 11227C
Item Model Number	DKV10R Compressor Assembly
Manufacturer Part Number	CO 11227C
OEM Part Numbers	0580; 10362890; 141010; 141010C
Product Dimensions	13 x 10 x 10 inches
Item Weight	1 pounds (16 ounces)
Quality Standard	Premium ISO/TS 16949 quality; tested to meet or exceed OEM specifications
Pressure Tested	All units are pressure tested with nitrogen for leaks

WARRANTY AND SUPPORT

This UAC A/C Compressor is backed by an industry-leading warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official UAC website.

For technical support or inquiries, please contact UAC customer service through their official channels. When contacting support, please have your product model number (CO 11227C) and purchase information readily available.

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