

[Manuals.plus](#) /

› [GOWE](#) /

› GOWE CSE717 A/C AC COMPRESSOR Instruction Manual

## GOWE GWE-39004484

# GOWE CSE717 A/C AC COMPRESSOR Instruction Manual

Model: GWE-39004484 | Brand: GOWE

## 1. INTRODUCTION

This manual provides essential information for the GOWE CSE717 A/C AC Compressor, designed for specific BMW X5 E70 and X6 E71 E72 models. It covers product specifications, installation considerations, operational principles, maintenance recommendations, and troubleshooting tips. Please read this manual thoroughly before any handling or installation to ensure proper function and safety.

## 2. PRODUCT OVERVIEW

The GOWE CSE717 A/C AC Compressor is a critical component of your vehicle's air conditioning system, responsible for circulating refrigerant and enabling the cooling process. This unit is engineered to meet the performance requirements of compatible BMW models.



**Figure 2.1:** Front view of the GOWE CSE717 AC Compressor, showing the main body and pulley assembly. This image highlights the overall compact design of the unit.



**Figure 2.2:** Side view of the GOWE CSE717 AC Compressor, illustrating the various ports and electrical connections. Note the label indicating refrigerant type R134a.



**Figure 2.3:** Angled view of the GOWE CSE717 AC Compressor, providing a clearer look at the clutch mechanism and pulley. This perspective shows the robust construction of the unit.

### 3. SPECIFICATIONS

The following table details the key specifications for the GOWE CSE717 A/C AC Compressor:

| Parameter                | Value        |
|--------------------------|--------------|
| Manufacturer             | Gowegroup    |
| Brand                    | GOWE         |
| Model Number             | GWE-39004484 |
| Manufacturer Part Number | GWE-39004484 |

| Parameter            | Value                                                                             |
|----------------------|-----------------------------------------------------------------------------------|
| OEM Part Numbers     | 64529121762, 64529185146-3, 64509121762, 645291851, 64529195971, 9121762, 9185146 |
| Application          | BMW X5 E70, BMW X6 E71 E72                                                        |
| Voltage              | 12V                                                                               |
| Refrigerant Type     | R134a                                                                             |
| Pulley Grooves       | 4 PK                                                                              |
| Pulley Diameter      | 110 MM                                                                            |
| Clutch Model         | Calsonic Kansei CSE717                                                            |
| ASIN                 | B088Q9PR4V                                                                        |
| Date First Available | 17 May 2020                                                                       |

## 4. SETUP AND INSTALLATION

**WARNING: Installation of an A/C compressor involves handling refrigerants under high pressure and working with vehicle electrical systems. Improper installation can lead to serious injury, damage to the vehicle, or environmental harm. It is strongly recommended that installation be performed by a certified automotive technician.**

### 4.1 Pre-Installation Checks

- Verify that the new compressor matches the specifications and part numbers of the original unit.
- Ensure the vehicle's A/C system is completely discharged by a professional using proper recovery equipment.
- Inspect all associated components (condenser, evaporator, expansion valve/orifice tube, accumulator/receiver drier) for damage or contamination. It is often recommended to replace the receiver drier/accumulator and expansion valve/orifice tube when replacing the compressor.
- Confirm the correct type and amount of refrigerant oil (PAG oil for R134a systems) is present in the new compressor or added as per manufacturer specifications.

### 4.2 Installation Steps (General Guidelines)

1. Disconnect the vehicle's battery.
2. Remove the old compressor, carefully disconnecting all lines and electrical connections.
3. Install the new GOWE CSE717 compressor, ensuring all mounting bolts are tightened to the manufacturer's torque specifications.
4. Reconnect refrigerant lines, replacing O-rings as necessary.
5. Reconnect electrical connectors.
6. Evacuate the A/C system using a vacuum pump to remove air and moisture. This step is crucial for system performance and longevity.
7. Recharge the system with the correct type and amount of R134a refrigerant, as specified by the vehicle

manufacturer.

- 8. Perform leak detection tests to ensure system integrity.
- 9. Reconnect the battery and test the A/C system for proper operation.

## 5. OPERATING PRINCIPLES

The A/C compressor is the heart of your vehicle's air conditioning system. It functions by compressing low-pressure, low-temperature gaseous refrigerant from the evaporator into a high-pressure, high-temperature gas. This high-pressure gas then flows to the condenser, where it releases heat and condenses into a high-pressure liquid. The liquid then passes through an expansion valve or orifice tube, where its pressure drops, causing it to cool rapidly. Finally, this cold, low-pressure liquid enters the evaporator, absorbs heat from the passenger compartment, and turns back into a low-pressure gas, completing the cycle. The GOWE CSE717 compressor ensures efficient circulation and compression for optimal cooling performance.

## 6. MAINTENANCE

Regular maintenance of your vehicle's A/C system, including the compressor, is vital for its longevity and efficient operation. While the compressor itself is a sealed unit and generally not user-serviceable, the following practices can help maintain the overall system:

- **Regular System Checks:** Have your A/C system inspected annually by a qualified technician. They can check refrigerant levels, system pressure, and overall component health.
- **Refrigerant Levels:** Low refrigerant can cause the compressor to work harder, leading to premature wear. Do not attempt to add refrigerant yourself unless you are trained and have the proper equipment.
- **Belt Inspection:** Ensure the serpentine belt driving the compressor is in good condition, free from cracks or fraying, and properly tensioned.
- **Condenser Cleaning:** Keep the condenser (located in front of the radiator) free of debris (leaves, dirt, bugs) to ensure proper heat dissipation.
- **Run A/C Periodically:** Even in cold weather, run your A/C system for a few minutes once a month to keep seals lubricated and prevent refrigerant leaks.

## 7. TROUBLESHOOTING

If you experience issues with your vehicle's air conditioning system, the problem may or may not be directly related to the compressor. Here are some common symptoms and potential causes:

| Symptom                    | Possible Cause                                                                                            | Recommended Action                                                                                    |
|----------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| No cold air / Weak cooling | Low refrigerant, faulty compressor clutch, electrical issue, clogged expansion valve, condenser blockage. | Check refrigerant levels. Inspect compressor clutch engagement. Consult a professional for diagnosis. |

| Symptom                           | Possible Cause                                                                                                                   | Recommended Action                                                                                         |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Loud noises from compressor area  | Worn compressor bearings, internal compressor failure, loose mounting, worn serpentine belt.                                     | Immediately cease A/C operation to prevent further damage. Have the system inspected by a professional.    |
| Compressor clutch not engaging    | Low refrigerant pressure (safety switch), electrical fault (fuse, relay, wiring), faulty clutch coil, internal compressor issue. | Check A/C system fuse. Verify refrigerant pressure. Professional electrical and system diagnosis required. |
| A/C blows warm air intermittently | Overheating compressor, intermittent electrical fault, low refrigerant, faulty pressure switch.                                  | Monitor system behavior. Professional diagnosis is recommended to identify intermittent issues.            |

For any persistent or severe issues, it is highly recommended to seek assistance from a qualified automotive A/C specialist.

## 8. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on automotive systems.
- Refrigerants are under high pressure and can cause frostbite or other injuries if released improperly. Never attempt to vent refrigerant into the atmosphere.
- The A/C system contains electrical components. Disconnect the vehicle's battery before performing any work.
- Ensure the engine is off and cooled down before working on the compressor or surrounding components.
- Only use tools and equipment designed for automotive A/C service.
- Dispose of old parts and refrigerants according to local environmental regulations.

## 9. WARRANTY AND SUPPORT

For information regarding the warranty of your GOWE CSE717 A/C AC Compressor, please refer to the terms and conditions provided by the seller at the time of purchase. Typically, warranty claims are handled through the original point of sale.

For technical support or assistance with product-specific inquiries, please contact the seller, Gowe SA, directly through the Amazon platform or their provided contact information. You can usually find seller contact details on your order history page or the product listing.

For general Amazon support, visit the [Amazon Help & Customer Service](#) page.

## 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