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DFGUFG B2524

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Model: B2524 | Brand: DFGUFG

1. PRODUCT OVERVIEW

The DFGUFG B2524 Automotive Air Conditioning Compressor is engineered to provide efficient cooling for a wide range of vehicles. Constructed with durability in mind, it is designed to perform consistently under various environmental conditions, ensuring the vehicle's HVAC system maintains a comfortable cabin temperature.



Figure 1: DFGUFG B2524 Automotive A/C Air Conditioning Compressor. The compressor is silver-grey with a black pulley and clutch assembly on the left side. Electrical connectors are visible on the top right. The unit features multiple mounting points.

2. KEY FEATURES

- **High-Performance Cooling:** Designed to deliver rapid and effective cooling, ensuring quick comfort in hot conditions and contributing to the longevity of the air conditioning system.
- **Strong Durability & Wear Resistance:** Manufactured with wear-resistant materials to ensure excellent durability and stable performance over extended periods, even under extreme weather and heavy operational loads.
- **Easy Installation & Wide Compatibility:** Features a plug-and-play design for simplified installation, reducing complexity and time. This design facilitates easy replacement, improving repair efficiency.
- **Low Noise Operation:** Incorporates advanced vibration-damping technology and an optimized design to minimize operational noise, promoting a quieter in-car environment and reducing driving distractions.

3. INSTALLATION GUIDE

Proper installation of the A/C compressor is crucial for its performance and longevity. It is highly recommended that installation be performed by a certified automotive technician.

3.1 Pre-Installation Checks

1. Verify that the OE number B2524 matches the original part number for your vehicle.
2. Ensure the vehicle's A/C system is fully discharged by a qualified technician.
3. Inspect all associated components (condenser, evaporator, expansion valve, dryer/accumulator, hoses) for damage or contamination. Replace as necessary.

3.2 Installation Steps (General)

1. Disconnect the vehicle's battery.
2. Remove the old compressor, carefully noting the routing of belts and connections.
3. Install the new DFGUFG B2524 compressor, ensuring all mounting bolts are tightened to manufacturer specifications.
4. Connect all electrical and refrigerant lines. Replace O-rings as needed.
5. Add the correct type and amount of refrigerant oil to the system as specified by the vehicle manufacturer.
6. Evacuate the A/C system to remove air and moisture.
7. Recharge the system with the correct type and amount of refrigerant.
8. Reconnect the battery and test the A/C system for proper operation and leaks.

Note: Refer to your vehicle's specific service manual for detailed installation procedures and torque specifications.

4. OPERATING INSTRUCTIONS

Once installed and the A/C system is properly charged, the compressor operates automatically as part of your vehicle's climate control system.

- To activate the air conditioning, select the A/C function on your vehicle's climate control panel.
- Adjust the temperature and fan speed settings to your desired comfort level.
- The compressor will cycle on and off as needed to maintain the set temperature.

For optimal performance, ensure your vehicle's engine is running when operating the A/C system.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your A/C system and compressor.

- **Regular System Checks:** Have your vehicle's A/C system inspected annually by a qualified technician.
- **Refrigerant Level:** Ensure the refrigerant level is correct. Low refrigerant can cause the compressor to overwork and fail.
- **Belt Inspection:** Check the serpentine belt that drives the compressor for wear, cracks, or proper tension. Replace if necessary.
- **Condenser Cleaning:** Keep the condenser (located in front of the radiator) free of debris (leaves, dirt, bugs) to allow for efficient heat exchange.

- **Cabin Air Filter:** Replace the cabin air filter regularly to maintain good airflow and system efficiency.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
A/C not blowing cold air	Low refrigerant, faulty compressor clutch, electrical issue, clogged expansion valve.	Check refrigerant levels, inspect clutch, check fuses/wiring, professional diagnosis.
Unusual noises from compressor	Worn bearings, low oil, internal damage, loose mounting.	Professional inspection and repair/replacement.
A/C system cycles on and off frequently	Low refrigerant, overcharged system, faulty pressure switch.	Check refrigerant levels, professional diagnosis.
Burning smell when A/C is on	Overheating clutch, slipping belt, electrical short.	Immediately turn off A/C and seek professional inspection.

7. SPECIFICATIONS

- **Model Number:** B2524 (OE NO. & Part NO.)
- **Brand:** DFGUFG
- **Item Weight:** 15.7 ounces (approximately 0.44 kg)
- **Package Dimensions:** 10.63 x 10.24 x 6.3 inches (approximately 27 x 26 x 16 cm)
- **Compatibility:** Designed for specific vehicle applications; verify OE number B2524 for fitment.

8. IMPORTANT NOTES

This product originates from China. To ensure you order the correct part for your vehicle's specific make and model, please carefully review the item specifics and description. It is critical to confirm that the Part Number B2524 in this listing matches your original part number.

If you are uncertain about the exact part required, please contact the seller via the platform's internal message system for professional assistance. This will help ensure you receive the correct part and avoid the need for returns, saving both your time and ours.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, returns, or technical support, please refer to the purchase documentation or contact the seller directly through the platform where the product was purchased. Ensure you have your order details and the product's OE number (B2524) available when contacting support.

For general inquiries or assistance, you may also visit the DFGUFG brand page on Amazon.

