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> 3mirrors Rear A/C Block Off Kit Instruction Manual

3mirrors 018064CS01

3mirrors Rear A/C Block Off Kit Instruction Manual

Compatible with 2004-2011 Dodge Grand Caravan & Chrysler Town & Country

1. PRODUCT OVERVIEW

The 3mirrors Rear A/C Block Off Kit is designed to allow the front air conditioning system to operate independently by bypassing the rear A/C lines and evaporator. This solution helps to maintain a functional front A/C system without the need to repair or replace leaking rear components, offering a cost-effective alternative.



Image: Complete 3mirrors Rear A/C Block Off Kit components.

2. COMPATIBILITY

This kit is compatible with the following vehicle models and years:

- **2004-2011 Chrysler Town & Country**
- **2004-2011 Dodge Grand Caravan**

Note: While designed for these models, it is recommended to visually inspect your vehicle's rear A/C lines to confirm compatibility before installation, as some variations may exist.

3. PARTS LIST

The 3mirrors Rear A/C Block Off Kit includes the following components:

- 2 x Aluminum Block-Off Fittings (M20 x 1.5 & M22 x 1.5)
- 2 x HNBR O-Rings (one green, one black)

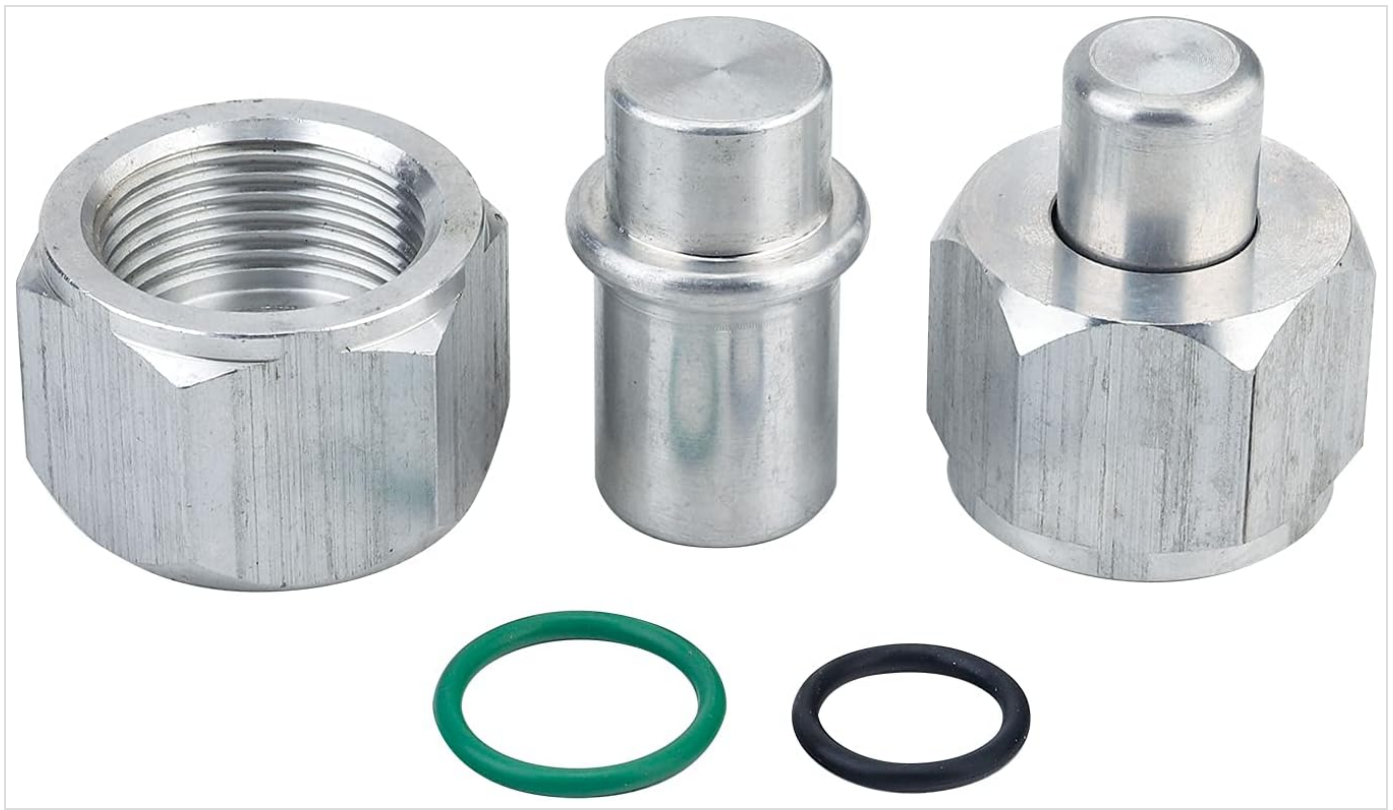


Image: All components included in the kit.

4. SAFETY INFORMATION

WARNING: Automotive air conditioning systems contain pressurized refrigerant. Improper handling can lead to serious injury or property damage. Professional installation is highly recommended.

- Always wear appropriate personal protective equipment, including safety glasses and gloves, when working on A/C systems.
- Ensure the A/C system is completely discharged by a certified technician before attempting any work on the lines. Refrigerant can cause severe frostbite upon contact and is harmful if inhaled.
- Do not work on a pressurized A/C system.
- Refer to your vehicle's service manual for specific A/C system procedures and safety precautions.

5. INSTALLATION INSTRUCTIONS

5.1. Pre-Installation

1. Ensure the vehicle's engine is turned off and has cooled down.
2. Have the vehicle's A/C system professionally discharged to remove all refrigerant. This is a critical safety step.
3. Gather necessary tools: appropriate wrenches for A/C line fittings, O-ring pick, and clean refrigerant oil.

5.2. Installation Steps

1. Locate the rear A/C lines. On most 2004-2011 Dodge Grand Caravan and Chrysler Town & Country models, these lines are typically found underneath the vehicle, near the passenger side door area.
2. Carefully disconnect the existing rear A/C lines from the main A/C system. Be prepared for any residual refrigerant or oil.
3. Thoroughly clean the connection points on the main A/C lines where the block-off fittings will be installed. Ensure no dirt or debris is present.

4. Lightly lubricate the new HNBR O-rings with clean refrigerant oil (compatible with your A/C system, e.g., PAG oil for R-134a).
5. Place the lubricated O-rings onto the block-off fittings. Ensure they are seated correctly in their grooves.
6. Install the block-off fittings onto the disconnected main A/C lines. Hand-tighten first to ensure proper thread engagement.
7. Using appropriate wrenches, securely tighten the block-off fittings. Do not overtighten, but ensure a snug, leak-free connection.

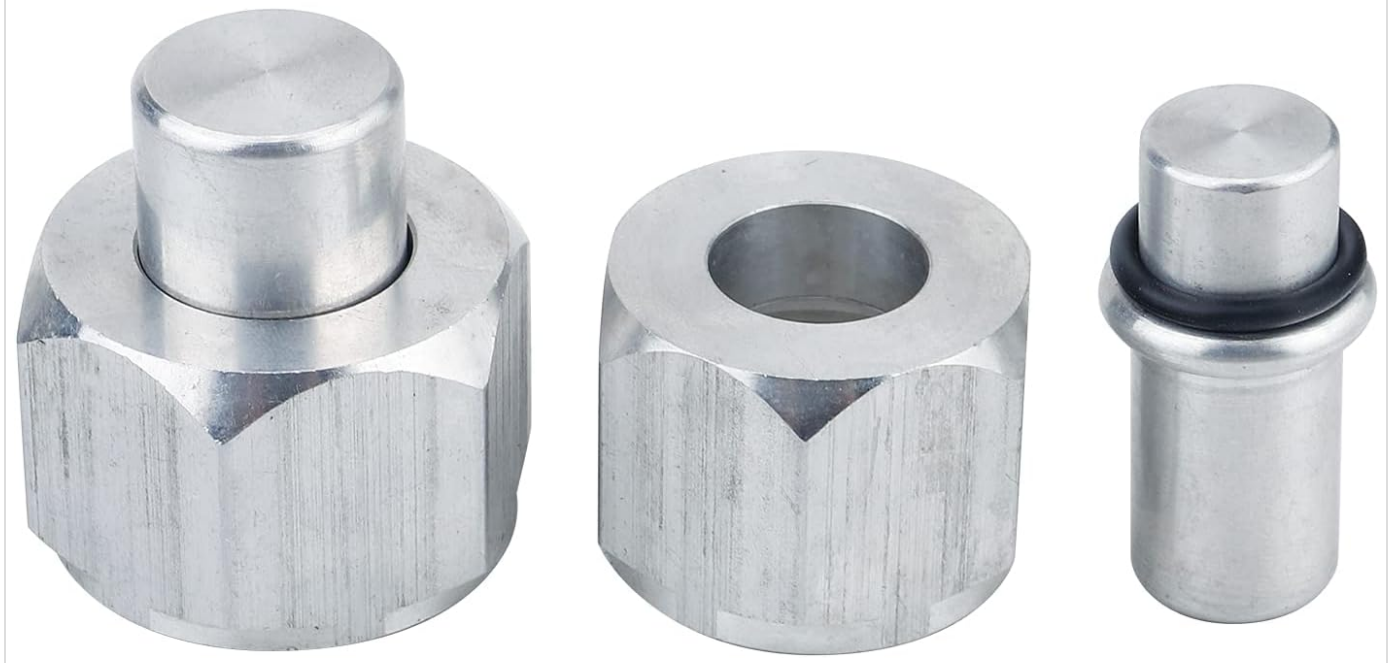


Image: Example of block-off fittings installed on A/C lines.



Image: Installed block-off kit providing a sealed connection.

Your browser does not support the video tag.

Video: A brief demonstration of the 3mirrors AC Block Off Kit components and their assembly.

5.3. Post-Installation

1. After installation, the A/C system must be evacuated using a vacuum pump to remove air and moisture. This process typically takes 30-60 minutes.
2. Recharge the A/C system with the correct type and amount of refrigerant (e.g., R-134a or R-1234yf) as specified by your vehicle manufacturer.
3. Perform a thorough leak check using an electronic leak detector or soapy water solution on all connections, especially the newly installed block-off fittings.
4. Start the vehicle and test the front A/C system to ensure proper cooling and operation.

6. OPERATION

Once the 3mirrors Rear A/C Block Off Kit is correctly installed and the A/C system is recharged, the front air conditioning system will operate as normal. The rear A/C lines and evaporator are now isolated, preventing refrigerant loss from that

section of the system.

7. MAINTENANCE

Minimal maintenance is required for the block-off kit itself. It is recommended to:

- Periodically inspect the block-off fittings for any signs of refrigerant leaks, corrosion, or damage.
- Ensure your vehicle's front A/C system maintains proper refrigerant levels according to manufacturer specifications.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Front A/C not cooling after installation.	Insufficient refrigerant charge; leak in the system; improper vacuum during recharge.	Verify refrigerant levels are correct. Perform a thorough leak test on all connections. Re-evacuate the system and recharge if necessary.
Refrigerant leak detected at block-off fittings.	O-rings not seated correctly; damaged O-rings; fittings not tightened sufficiently.	Re-check O-ring placement and ensure they are not pinched or damaged. Replace O-rings if necessary. Ensure fittings are tightened securely to prevent leaks.

9. SPECIFICATIONS

- **Item Model Number:** 018064CS01
- **Manufacturer Part Number:** 018064CS01
- **OEM Part Numbers:** 800-992, 800-995, 88878221, 88878224
- **Item Weight:** 2.39 ounces
- **Package Dimensions:** 4.1 x 3.4 x 0.9 inches
- **Material:** Quality engineered components with HNBR O-rings for enhanced durability and temperature resistance.

10. WARRANTY AND SUPPORT

3mirrors is committed to providing high-quality automotive parts and offers lifetime after-sale service for this product. If you encounter any issues or have questions regarding the installation or performance of your Rear A/C Block Off Kit, please do not hesitate to contact the seller directly.

For further assistance, refer to the official 3mirrors brand store: [3mirrors Store on Amazon](#).

