

HM 1526711 1536677 1643072

Truck Engine Centrifugal Oil Filter Repair Kit User Manual

MODEL: 1526711, 1536677, 1643072**Brand: HM**

1. INTRODUCTION

This user manual provides essential information for the installation, operation, and maintenance of the HM Truck Engine Centrifugal Oil Filter Repair Kit. This kit is designed to replace worn or damaged components of your truck's centrifugal oil filter system, ensuring optimal engine performance and longevity. Please read this manual thoroughly before proceeding with installation or maintenance.

The kit is engineered with high-quality, durable materials to withstand the demanding conditions of truck engine operation, providing reliable filtration and protection against harmful particles.

2. PRODUCT OVERVIEW AND COMPONENTS

The HM Truck Engine Centrifugal Oil Filter Repair Kit is a comprehensive solution for maintaining the efficiency of your truck's oil filtration system. It includes all necessary components for a complete repair or replacement of the centrifugal oil filter unit.



Figure 2.1: Top-down view of the black centrifugal oil filter housing, showing the central inlet/outlet and mounting points. This image highlights the overall shape and connection points of the filter unit.



Figure 2.2: Side view of the black cylindrical centrifugal oil filter housing, illustrating its compact and robust design. The smooth exterior indicates a sealed unit.



Figure 2.3: Angled top-down view of the black centrifugal oil filter housing, providing a clearer perspective of the top cap and the small central protrusion, likely a connection point or indicator.



Figure 2.4: Angled side view of the black cylindrical centrifugal oil filter housing, showcasing the distinct separation between the main body and the top cap, indicating a potential access point for internal components.



Figure 2.5: Horizontal view of the black centrifugal oil filter housing, providing a full length perspective of the cylindrical body and the design of both ends.



Figure 2.6: Bottom-up view of the black centrifugal oil filter housing, clearly showing the base with a central opening and three small feet for stable mounting or positioning.

3. COMPATIBILITY

This centrifugal oil filter repair kit is compatible with various DAF truck models and other vehicles that utilize the specified part numbers. Please verify your vehicle's requirements against the list below:

- **Applicable DAF Models:** CF 85, XF 105, 95
- **Compatible OE Part Numbers:** 1526711, 1536677, 1643072, 1872106, 1922496, 1948919
- **Cross-Reference Part Numbers:**
 - FOR DAF: 1643 072, 1872 106, 1922 496
 - FOR DT Spare Parts: 5.45088
 - FOR EVOBUS: 906 181 00 86
 - FOR EVOBUSA: 906 181 00 86
 - FOR FEBI BILSTEIN: 49863
 - FOR MANN-FILTER: ZR 905 z

- FOR MERCEDES-BENZ: 906 181 00 86, A 906 181 00 86
- FOR PE Automotive: 089.087-00A

Always confirm compatibility with your vehicle's specific make, model, and year before installation.

4. INSTALLATION GUIDELINES

Installation of this repair kit should ideally be performed by a qualified mechanic or technician. Improper installation can lead to engine damage or reduced filtration efficiency. Ensure the engine is cool and the vehicle is safely supported before beginning work.

Required Tools (Typical):

- Socket/Wrench Set
- Oil Drain Pan
- Clean Rags
- Torque Wrench
- New Engine Oil (if draining)

Installation Steps:

1. **Preparation:** Park the truck on a level surface, engage the parking brake, and turn off the engine. Allow the engine to cool down completely.
2. **Locate Filter:** Identify the centrifugal oil filter housing on your truck's engine. Refer to your truck's service manual for the exact location.
3. **Drain Oil (if necessary):** If the filter is part of a system that requires oil drainage for access, place an oil drain pan beneath the drain plug and carefully drain the engine oil.
4. **Remove Old Filter Components:** Carefully unbolt or unclip the existing centrifugal oil filter housing or its components. Be prepared for residual oil to spill.
5. **Clean Mounting Area:** Thoroughly clean the mounting surface on the engine block to ensure a proper seal with the new components. Remove any old gasket material or debris.
6. **Install New Components:** Assemble the new repair kit components according to the specific design of your filter system. Ensure all seals and O-rings are correctly seated and lubricated with clean engine oil.
7. **Mount Filter Housing:** Carefully position the new filter housing or components onto the engine. Tighten bolts to the manufacturer's specified torque settings. *Do not overtighten.*
8. **Refill Oil:** If oil was drained, refill the engine with the correct type and amount of new engine oil as specified by your truck manufacturer.
9. **Initial Start-up:** Start the engine and allow it to run for a few minutes. Check for any leaks around the newly installed filter components.
10. **Check Oil Level:** Turn off the engine, wait a few minutes for the oil to settle, and then check the oil level using the dipstick. Add more oil if necessary.

5. POST-INSTALLATION CHECKS AND OPERATION

After installation, it is crucial to perform several checks to ensure the system is operating correctly and safely.

- **Leak Inspection:** Visually inspect the area around the filter for any signs of oil leaks immediately after starting the engine and after the first few minutes of operation.

- **Oil Pressure:** Monitor the engine's oil pressure gauge (if available) to ensure it is within the normal operating range.
- **Engine Noise:** Listen for any unusual noises from the engine that might indicate an issue with oil circulation.
- **Test Drive:** After confirming no leaks and normal oil pressure, perform a short test drive to ensure everything functions correctly under load. Re-check for leaks after the drive.

6. MAINTENANCE

Regular maintenance of your centrifugal oil filter system is vital for engine health. While this is a repair kit, the components are designed for longevity. Adhere to your truck manufacturer's recommended service intervals for oil and filter changes. Periodically inspect the filter housing and connections for any signs of wear, damage, or leaks.

Promptly address any issues to prevent potential engine damage.

7. TROUBLESHOOTING

If you encounter issues after installing the repair kit, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Oil Leak from Filter Area	Improperly seated gasket/O-ring, loose bolts, damaged housing.	Re-check gasket/O-ring installation, tighten bolts to spec, inspect housing for cracks.
Low Oil Pressure Warning	Incorrect oil level, clogged filter, faulty oil pump (unlikely due to filter kit).	Check oil level and add if low. If persistent, consult a mechanic.
Unusual Engine Noise	Lack of oil circulation, component interference.	Immediately shut off engine. Check oil level and filter installation. Seek professional help.

For issues not listed or if problems persist, contact a certified automotive technician.

8. SPECIFICATIONS

Attribute	Detail
Item Name	Truck Engine Centrifugal Oil Filter Repair Kit
Brand	HM
Model Numbers	1526711, 1536677, 1643072
Compatible OE Part Numbers	1526711, 1536677, 1643072, 1872106, 1922496, 1948919
Vehicle Service Type	Truck (DAF CF 85, XF 105, 95)
Item Weight	8.8 ounces
Manufacturer	HEMENGtruck
UPC	763413756772

9. IMPORTANT SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on vehicles.
- Ensure the vehicle is securely supported on jack stands or a lift before working underneath it. Never rely solely on a jack.
- Allow the engine to cool down before handling hot components or draining hot oil.
- Dispose of used oil and filter components responsibly according to local environmental regulations.
- Keep children and pets away from the work area.

10. SUPPORT

For further assistance, technical support, or inquiries regarding this product, please contact the manufacturer or your authorized dealer. When contacting support, please have your product model number and purchase information ready.

You can also visit the HM Store for more information: [HM Store on Amazon](#)

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ASK A QUESTION ABOUT THIS MANUAL

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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