

Ford CM6731FL82

Ford Racing CM6731FL82 High Performance Oil Filter User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Ford Racing CM6731FL82 High Performance Oil Filter. This oil filter is designed to provide superior filtration for engine oil, contributing to engine longevity and performance. It features a heavy gauge base and canister for enhanced strength and resistance to impulse fatigue, and is suitable for use with both standard and synthetic motor oils.

2. SAFETY INFORMATION

- Always allow the engine to cool completely before attempting any work on the oil system to prevent burns from hot oil or engine components.
- Wear appropriate personal protective equipment, including safety glasses and gloves, to protect against oil splashes and sharp edges.
- Ensure the vehicle is securely supported on a level surface using jack stands if lifting is required. Never rely solely on a jack.
- Dispose of used oil and oil filters responsibly according to local environmental regulations.
- Refer to your vehicle's specific service manual for detailed instructions and torque specifications relevant to your vehicle model.

3. INSTALLATION (SETUP)

Proper installation is crucial for the effective performance of your oil filter. The Ford Racing CM6731FL82 oil filter has a thread size of M16 x 1.5.

Required Tools and Materials:

- Oil filter wrench
- Drain pan
- New engine oil (refer to vehicle specifications)
- Clean rags or shop towels
- Socket wrench and appropriate socket for drain plug

Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface and engage the parking brake. Allow the engine to cool. If necessary, lift the vehicle safely using jack stands.
2. **Drain Old Oil:** Place a drain pan beneath the oil pan. Remove the oil drain plug and allow all old engine oil to drain completely. Reinstall the drain plug with a new washer if required, and tighten to vehicle manufacturer specifications.
3. **Remove Old Filter:** Position the drain pan under the old oil filter. Use an oil filter wrench to loosen and remove the old filter. Be prepared for residual oil to drain out.
4. **Clean Mounting Surface:** Thoroughly clean the oil filter mounting surface on the engine block, ensuring no old gasket material remains.
5. **Prepare New Filter:** Apply a thin film of new engine oil to the rubber gasket of the Ford Racing CM6731FL82 oil filter. This ensures a proper seal.
6. **Install New Filter:** Thread the new oil filter onto the engine block by hand. Once the gasket makes contact with the engine block, tighten the filter an additional 3/4 to 1 full turn, or as specified in your vehicle's service manual. Do not overtighten.
7. **Refill Engine Oil:** Remove the engine oil filler cap and add the recommended amount and type of new engine oil as specified by your vehicle manufacturer.
8. **Check for Leaks:** Start the engine and let it run for a few minutes. Turn off the engine and check for any oil leaks around the new filter and drain plug. If leaks are present, re-check tightness.
9. **Verify Oil Level:** After checking for leaks, wait a few minutes for the oil to settle, then check the engine oil level using the dipstick and add more oil if necessary.



Image 1: Ford Racing CM6731FL82 High Performance Oil Filter. This image displays the exterior of the oil filter, highlighting its white finish and robust construction.

4. OPERATING

Once properly installed, the Ford Racing CM6731FL82 oil filter operates continuously with the engine to remove contaminants from the engine oil. Its design ensures long life with both standard and synthetic motor oils, providing consistent filtration performance throughout its service interval.

After installation, ensure the engine oil level is correct and there are no leaks. The filter will perform its function

automatically as the engine runs.

5. MAINTENANCE

The primary maintenance for the Ford Racing CM6731FL82 oil filter is its timely replacement. Always adhere to the oil and filter change intervals recommended by your vehicle manufacturer. These intervals are typically found in your vehicle's owner's manual or service schedule. Regular replacement ensures optimal engine protection and performance.

6. TROUBLESHOOTING

Oil Leaks After Installation:

- **Cause:** Improperly tightened filter, damaged gasket, or old gasket material remaining on the engine block.
- **Solution:** Turn off the engine and allow it to cool. Carefully inspect the filter for tightness. If loose, tighten an additional small amount (e.g., 1/4 turn). If the leak persists, remove the filter, inspect the gasket for damage, and ensure the engine mounting surface is clean and free of debris. Reinstall the filter carefully.

Incorrect Fit:

- **Cause:** Incorrect oil filter model for the vehicle.
- **Solution:** Verify that the CM6731FL82 model is the correct filter for your specific vehicle application. Consult your vehicle's owner's manual or a reputable parts catalog.

7. SPECIFICATIONS

Brand	Ford
Model Number	CM6731FL82 (OEM Part Number: CM-6731-FL820)
Material	Synthetic
Product Grade	Performance Part
Vehicle Service Type	Motorcraft
Item Dimensions (L x W x H)	4 x 4.5 x 4 inches
Thread Size	M16 x 1.5
Item Weight	1.3 pounds (0.59 Kilograms)
UPC	756122075678
Key Features	Heavy gauge base and canister for higher burst strength and impulse fatigue resistance; Long life with standard and synthetic motor oils.

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the official Ford Racing documentation or contact Ford customer support directly. Support contact details can typically be found on the official Ford website or product packaging.

