

## Pwc Engine OPE 120-345 E

# Pwc Engine Oil Filter Instruction Manual

Compatible with Cub Cadet KH-25-050-25-S / KH-52-050-02-S (OPE# 120-345)

## 1. OVERVIEW

This manual provides essential information for the proper installation, function, and maintenance of your Pwc Engine Oil Filter. This filter is designed to be compatible with Cub Cadet engines requiring part numbers KH-25-050-25-S or KH-52-050-02-S, and is identified as OPE# 120-345. Regular oil filter replacement is crucial for maintaining engine health and performance.

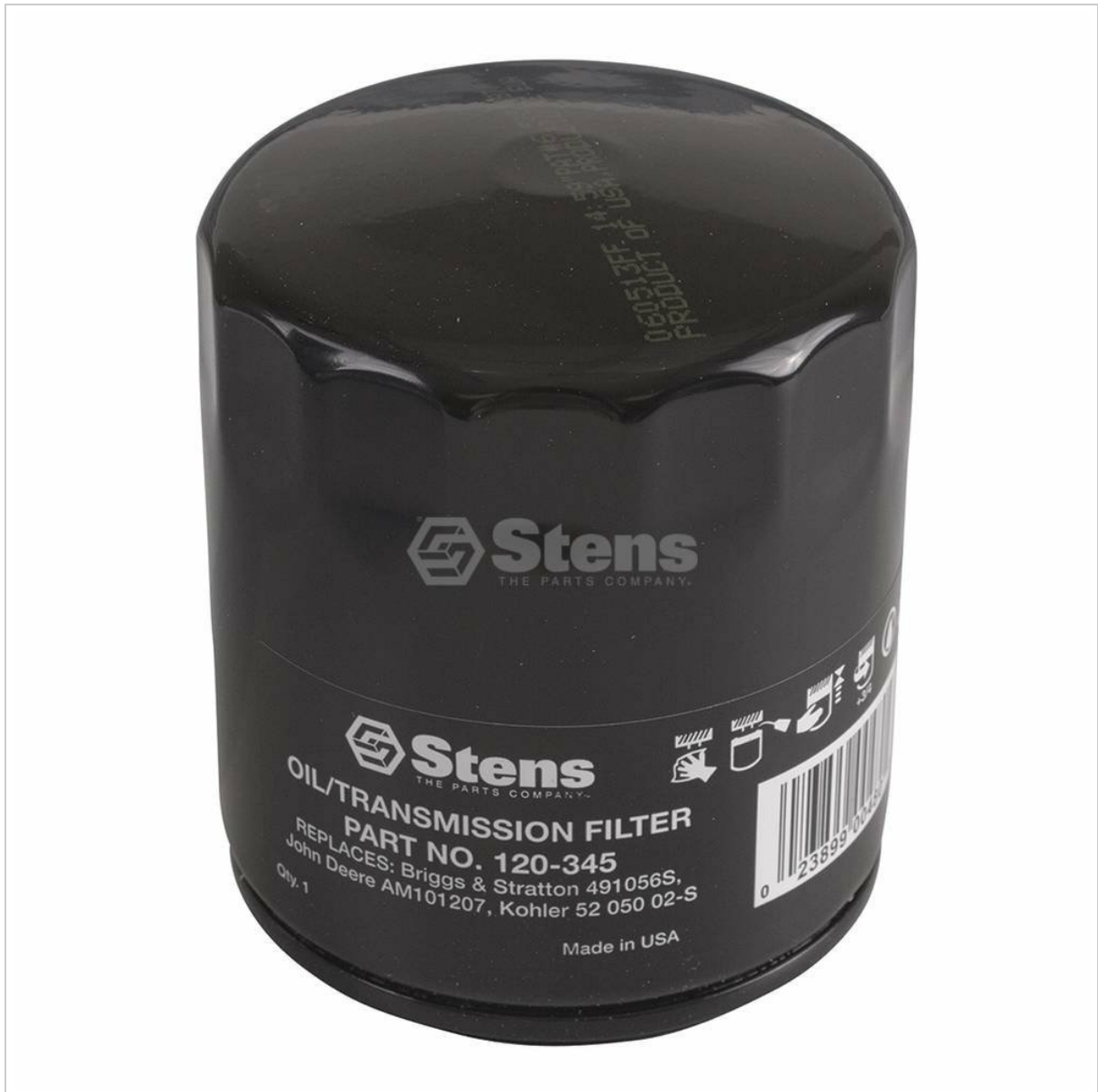
**Safety Precaution:** Always ensure the engine is turned off and cooled down before performing any maintenance. Refer to your equipment's primary service manual for specific safety guidelines and procedures.

## 2. INSTALLATION

Follow these steps for proper installation of the Pwc Engine Oil Filter. It is recommended to replace the oil filter during every oil change.

- 1. Prepare the Engine:** Ensure the engine is off and cool. Place a drain pan beneath the oil filter to catch any spilled oil.
- 2. Remove Old Filter:** Use an oil filter wrench to loosen and remove the old oil filter. Be prepared for oil to drain out.
- 3. Clean Mounting Surface:** Wipe the engine's oil filter mounting surface clean with a rag to remove any old gasket material or debris.
- 4. Prepare New Filter:** Apply a thin film of clean engine oil to the rubber gasket of the new Pwc Engine Oil Filter. This helps ensure a proper seal.
- 5. Install New Filter:** Thread the new oil filter onto the engine by hand. Turn it clockwise until the gasket makes contact with the engine block.
- 6. Tighten Filter:** Once the gasket makes contact, tighten the filter an additional 1/2 to 3/4 turn by hand. Do not overtighten, as this can damage the filter or engine. Refer to your equipment's service manual for specific torque specifications if available.

7. **Refill Oil:** Add the appropriate amount and type of engine oil as specified by your equipment 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. If leaks are present, ensure the filter is properly tightened.



*Image 1: Pwc Engine Oil Filter. This image shows the cylindrical oil filter with its threaded opening and gasket, ready for installation.*

### 3. FUNCTION AND POST-INSTALLATION CHECK

The Pwc Engine Oil Filter is designed to remove contaminants from your engine oil, ensuring clean oil circulates through the engine. This helps protect engine components from wear and extends engine life. After installation, it is important to perform a post-installation check.

- **Oil Level Verification:** After running the engine for a few minutes and allowing it to cool, recheck the engine oil level using the dipstick. Add oil if necessary to reach the recommended level.
- **Leak Inspection:** Visually inspect the area around the oil filter and drain plug for any signs of oil leaks. Address any leaks immediately.
- **Engine Performance:** Listen for any unusual engine noises or changes in performance. A properly installed oil filter should not negatively impact engine operation.

## 4. MAINTENANCE

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Regular maintenance of your engine, including timely oil and oil filter changes, is vital for its longevity and efficient operation.

- **Replacement Schedule:** Always follow the oil and filter replacement schedule recommended by your equipment manufacturer. This is typically found in your equipment's owner's manual.
- **Quality Oil:** Use only the type and grade of engine oil specified by your equipment manufacturer.
- **Disposal:** Dispose of used oil filters and engine oil responsibly according to local environmental regulations.

## 5. TROUBLESHOOTING

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If you encounter issues after installing the oil filter, consider the following common problems and solutions:

- **Oil Leakage Around Filter:**
  - *Cause:* Filter not tightened enough, overtightened (damaged gasket), or old gasket material remaining on engine block.
  - *Solution:* Ensure the mounting surface is clean. Hand-tighten the filter until the gasket contacts the engine block, then turn an additional 1/2 to 3/4 turn. If the gasket is damaged, replace the filter.
- **Low Oil Pressure Warning:**
  - *Cause:* Incorrect oil level, wrong filter type, or a faulty oil pressure sensor.
  - *Solution:* Check oil level and add oil if low. Verify that the correct oil filter (OPE# 120-345) was installed. If the problem persists, consult a qualified technician.
- **Filter Does Not Fit:**
  - *Cause:* Incorrect part number ordered or received.
  - *Solution:* Double-check your equipment's OEM part number against the Pwc Engine filter's compatibility (KH-25-050-25-S / KH-52-050-02-S, OPE# 120-345).

## 6. SPECIFICATIONS

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Key specifications for the Pwc Engine Oil Filter (OPE# 120-345):

Feature	Detail
Thread Size	3/4"-16 THD
Outside Diameter (OD)	3 inches
Height	3 7/16 inches
Micron Rating	27 Micron
Pressure Relief Valve	8-11 PSI
Anti-Drain Valve	Included
Manufacturer Part Number	OPE 120-345 E

Feature	Detail
Compatible OEM Part Numbers	KH-25-050-25-S, KH-52-050-02-S

## 7. WARRANTY AND SUPPORT

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**Warranty Information:** Specific warranty details for this Pwc Engine Oil Filter are not provided within this document. Please refer to the product packaging or the official Pwc Engine website for the most current warranty policy.

**Customer Support:** For technical assistance, questions regarding compatibility, or any other support needs, please contact Pwc Engine customer service. When contacting support, it is helpful to have your equipment's year, make, model, and serial number readily available, along with the Pwc Engine part number (OPE# 120-345).