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› AHL Oil Filter Instruction Manual for Moto Guzzi Motorcycles

AHL AN-030-2

AHL Oil Filter Instruction Manual

Model: AN-030-2

1. INTRODUCTION

The AHL oil filter is designed to maintain optimal engine health by effectively removing impurities and sludge from the engine oil. This ensures clean oil reaches critical engine components, reducing wear and extending engine life. Manufactured with high-quality materials, this filter features a low-pressure differential for an optimal air-fuel ratio, high moisture resistance to prevent element damage, and excellent filtration performance, capable of removing 99% of contaminants.

2. PRODUCT OVERVIEW

Below are images illustrating the AHL oil filter.



Image 1: Front view of two AHL oil filters, showcasing their design and components.



Image 2: Angled view of a single AHL oil filter, highlighting its perforated metal casing and internal structure.



Image 3: A pair of AHL oil filters, showing their consistent design and construction.

3. COMPATIBILITY

This AHL oil filter (Model AN-030-2) is compatible with a wide range of Moto Guzzi motorcycle models. Please verify your specific model and year against the list below:

- **Moto Guzzi 750 X:** Polizia/PA 1A Série 750 (1992-1994), Polizia/PA 2A Série 750 (1995-2001)
- **Moto Guzzi Breda:** Breda IE 750 (2003-2009)
- **Moto Guzzi Nevada:** 350 (1992-1993, 1993-1997), 750 (1991-1993, 1993-1997), Base/Club 750 (2002-2003), Classic 750 E3 (2012-2013), Classic 750 IE (2004-2008), Classic 750 IE E3 (2009), Club 350 (1998-1999), Club 750 (1998-2001), S 750 E3 (2010), S Anniversario 750 E3 (2012)
- **Moto Guzzi SP:** SP 750 (1990-1992)
- **Moto Guzzi Strada:** Strada 750 (1993-1995)
- **Moto Guzzi Targa:** Targa 750 (1990-1992)
- **Moto Guzzi V35:** Carabinieri/PA 350 (1990-1991, 1992-2001), III 350 (1985-1987)
- **Moto Guzzi V50:** PA 500 (1992-2001)
- **Moto Guzzi V65:** Florida 650 (1986-1992), Polizia/PA NuovoTipo 650 (1988-1995)
- **Moto Guzzi V7:** Café 750 E3 (2009), Classic 750 E3 (2008-2012), III Anniversario 750 E4 ABS (2017), II Stone 750 E3 ABS (2015-2016), II Stornello 750 E3 ABS (2016), Racer 750 E3 (2011-2012, 2012-2013, 2013-2014, 2014, 2015), Special 750 E3 (2015), Special E3 750 (2014), Special-

Stone E3 750 (2012-2013), Stone 750 E3 (2014, 2015)

- **Moto Guzzi V75:** PA Novo Tipo 750 (1996-2001), PA Vecchio Tipo 750 (1992-1996)
- **Moto Guzzi V85:** TT e4 ABS (2019-2020), TT Travel Pack e4 ABS (2020)

If you are unsure about compatibility, please contact AHL customer support with your motorcycle's specific model and year.

4. INSTALLATION (SETUP)

Replacing an oil filter requires basic mechanical knowledge. If you are not confident, seek professional assistance. Always refer to your motorcycle's service manual for specific instructions and torque specifications.

1. **Safety First:** Ensure the engine is cool to the touch. Place the motorcycle on a stable stand.
2. **Locate Filter:** Identify the current oil filter on your motorcycle.
3. **Prepare for Drainage:** Place a drain pan beneath the oil filter and engine drain plug.
4. **Drain Oil:** Remove the engine drain plug and allow the old oil to drain completely.
5. **Remove Old Filter:** Use an oil filter wrench to loosen and remove the old filter. Be prepared for residual oil to spill.
6. **Clean Mounting Surface:** Wipe the filter mounting surface on the engine clean, ensuring no old gasket material remains.
7. **Prepare New Filter:** Apply a thin film of fresh engine oil to the rubber gasket of the new AHL oil filter.
8. **Install New Filter:** Thread the new filter onto the engine by hand until the gasket makes contact with the mounting surface. Then, tighten it according to your motorcycle's service manual specifications (usually a specific number of turns past contact or a torque value). Do not overtighten.
9. **Replace Drain Plug:** Install the engine drain plug with a new crush washer (if required) and tighten to specifications.
10. **Refill Oil:** Add the recommended type and quantity of fresh engine oil to your motorcycle.
11. **Check for Leaks:** Start the engine and let it run for a few minutes. Check for any oil leaks around the new filter and drain plug. Turn off the engine and recheck the oil level after a few minutes.

5. OPERATION

Once installed, the AHL oil filter continuously works to purify your engine oil. As oil circulates through the engine, it passes through the filter's media, where contaminants such as dirt, metal particles, and combustion by-products are trapped. This process ensures that only clean oil lubricates vital engine components, protecting them from wear and tear and contributing to the engine's overall efficiency and lifespan.

6. MAINTENANCE

Regular oil filter replacement is crucial for maintaining engine performance and longevity. A clogged or inefficient filter can restrict oil flow, leading to inadequate lubrication and potential engine damage.

- **Replacement Interval:** Always refer to your motorcycle's owner's manual for the manufacturer's recommended oil and filter change intervals.
- **General Guideline:** As a general practice, it is recommended to replace the oil filter every time the

engine oil is changed.

- **Environmental Factors:** If operating in dusty conditions or performing frequent short trips, more frequent changes may be beneficial.

7. TROUBLESHOOTING

If you encounter issues after installing the oil filter, consider the following:

- **Oil Leaks:**
 - Ensure the filter is tightened correctly according to specifications.
 - Verify that the old gasket was completely removed from the engine mounting surface.
 - Check for any damage to the new filter's gasket before installation.
- **Reduced Engine Performance or Unusual Noises:**
 - A severely clogged filter can restrict oil flow, potentially affecting engine performance or causing unusual noises due to insufficient lubrication. Replace the filter if it is old or suspected to be clogged.
 - Ensure the correct oil type and level are maintained.
- **Filter Not Fitting:**
 - Double-check the compatibility list and your motorcycle's model and year.
 - Confirm the part number (AN-030-2) matches your requirement.

If problems persist, consult a qualified motorcycle mechanic.

8. SPECIFICATIONS

- **Manufacturer:** AHL
- **Part Number:** AN-030-2
- **Material:** Paper (filter media)
- **Approximate Dimensions (Packaging):** 12.7 x 8.89 x 3.81 cm
- **Approximate Weight (Packaging):** 317.51 g

9. WARRANTY AND SUPPORT

For specific warranty information or product support, please contact AHL directly through their official channels. If you have questions regarding product compatibility or installation, their customer service team can provide assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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