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Micro T3144

Micro T3144 Oil Filter Instruction Manual

Model: T3144

1. PRODUCT OVERVIEW

The Micro T3144 is an oil filter manufactured by Japan Micro Filter Industry. This component is crucial for maintaining engine health by filtering contaminants from the engine oil.

Key features include:

- Original Product Number: **15209-T9000**
- Designed to remove impurities from engine oil.
- Manufactured by Japan Micro Filter Industry.



Image 1.1: The Micro T3144 Oil Filter. The image displays the oil filter itself, which is black with white text, alongside its yellow and white packaging box. The box features the "MICRO" logo prominently. The filter has visible threads and a gasket for installation.

2. INSTALLATION (SETUP)

Proper installation of the oil filter is essential for its effective operation and to prevent oil leaks. Always refer to your vehicle's specific service manual for detailed instructions and safety precautions.

2.1. Tools and Materials Required

- New Micro T3144 Oil Filter
- New engine oil (correct type and viscosity for your vehicle)
- Oil filter wrench

- Drain pan
- Socket wrench and appropriate socket for drain plug
- Funnel
- Clean rags or shop towels
- Safety glasses and gloves

2.2. Installation Steps

1. **Prepare the Vehicle:** Ensure the engine is cool. Park the vehicle on a level surface and engage the parking brake. For safety, consider using jack stands if lifting the vehicle.
2. **Drain Old Oil:** Place the drain pan under the oil drain plug. Remove the drain plug and allow all the old oil to drain completely. Reinstall the drain plug with a new washer if required, and tighten to the manufacturer's 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 spill.
4. **Prepare New Filter:** Apply a thin film of new engine oil to the rubber gasket of the new Micro T3144 filter. This helps ensure a good seal.
5. **Install New Filter:** Screw the new filter onto the engine by hand until the gasket makes contact with the mounting surface. Then, tighten it an additional 3/4 to 1 full turn, or as specified by your vehicle's manual. *Do not overtighten.*
6. **Add New Oil:** Using a funnel, add the recommended amount and type of new engine oil to the engine.
7. **Check for Leaks:** Start the engine and let it run for a few minutes. Check for any oil leaks around the new filter and the drain plug. Turn off the engine and recheck the oil level after a few minutes, adding more if necessary.
8. **Dispose of Old Materials:** Properly dispose of the old oil and filter at an authorized recycling center.

3. FUNCTION AND USAGE

The Micro T3144 oil filter is designed to remove harmful contaminants from your engine's lubricating oil. These contaminants can include dirt, metal particles, sludge, and unburned fuel byproducts. By trapping these impurities, the oil filter helps to:

- Protect engine components from wear and tear.
- Maintain optimal engine performance.
- Extend the lifespan of the engine.
- Ensure the engine oil remains clean and effective.

The filter operates continuously whenever the engine is running, circulating oil through its filtration media.

4. MAINTENANCE

Regular replacement of the oil filter is crucial for engine longevity. An old, clogged filter can restrict oil flow, leading to engine damage.

4.1. Replacement Schedule

It is generally recommended to replace the oil filter every time you change your engine oil. Consult your vehicle manufacturer's owner's manual for the precise oil and filter change intervals, as these can vary based on vehicle model, driving conditions, and oil type.

Typical intervals range from every 5,000 to 15,000 kilometers (3,000 to 10,000 miles) or every 6 to 12 months, whichever comes first.

4.2. Signs of a Clogged Filter (Rare)

While rare if replaced regularly, a severely clogged oil filter might exhibit symptoms such as:

- Reduced engine performance.
- Illumination of the oil pressure warning light (indicating low oil pressure due to restricted flow).
- Unusual engine noises.

If you experience any of these symptoms, have your vehicle inspected by a qualified mechanic immediately.

5. TROUBLESHOOTING

Most issues related to oil filters stem from improper installation or using an incorrect filter type. Here are common troubleshooting scenarios:

5.1. Oil Leaks After Installation

- **Cause:** Gasket not properly seated, old gasket stuck to engine block, filter not tightened enough, or overtightened.
- **Solution:**
 - a. Ensure the old filter's gasket was removed from the engine block.
 - b. Verify the new filter's gasket is clean and properly lubricated.
 - c. Tighten the filter by hand until snug, then an additional 3/4 to 1 full turn. Avoid overtightening, which can damage the gasket or filter housing.

5.2. Low Oil Pressure Warning Light

- **Cause:** Severely clogged filter (unlikely if replaced regularly), incorrect oil level, or a faulty oil pressure sensor.
- **Solution:**
 - a. Check engine oil level and add oil if necessary.
 - b. If the filter is old, replace it.
 - c. If the issue persists, consult a professional mechanic.

5.3. Filter Does Not Fit

- **Cause:** Incorrect filter model for your vehicle.
- **Solution:** Double-check your vehicle's specifications and ensure you have the correct Micro filter model (T3144 or equivalent) for your specific make and model.

6. SPECIFICATIONS

Attribute	Detail
Brand	Micro
Model Number	T3144
Manufacturer Part Number	T3144
Original Product Number	15209-T9000
Manufacturer	Japan Micro Filter Industry (Nippon micro filter)
Color	Black

Attribute	Detail
Item Weight	150 g
Package Dimensions	15 x 10 x 10 cm
ASIN	B08RDB26PF
Date First Available	7 December 2023

7. WARRANTY INFORMATION




Specific warranty details for the Micro T3144 Oil Filter are not provided in the product information. For any warranty-related inquiries, please contact the manufacturer, Japan Micro Filter Industry, or your point of purchase directly.

8. CUSTOMER SUPPORT

For technical assistance, product inquiries, or support regarding the Micro T3144 Oil Filter, please refer to the official website of Japan Micro Filter Industry or contact the retailer from whom the product was purchased. No direct customer support contact information is available in this manual.

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Related Documents - T3144

	<p>Micro Mini2Grow Deluxe Magic LED User Manual</p> <p>Comprehensive user manual for the Micro Mini2Grow Deluxe Magic LED scooter, covering assembly, safety instructions, maintenance, warranty, and disposal. Suitable for children up to 130 cm.</p>
	<p>Micro Rocket Azul Cielo Patinete Scooter - SA0143 Especificaciones Técnicas</p> <p>Descubre las especificaciones técnicas detalladas del patinete Micro Rocket Azul Cielo (SA0143), incluyendo edad recomendada, peso, dimensiones, materiales y garantía.</p>
	<p>Micro Rocket Scooter - Green SA0032 Product Specifications</p> <p>Discover the Micro Rocket Scooter in Green (SA0032). This document details its technical specifications, including age suitability, weight capacity, platform and wheel dimensions, adjustable handlebar height, and warranty information for a superior urban lifestyle experience.</p>

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