

Mann Filter W920

Mann Filter W920 Spin-On Oil Filter Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and understanding of the Mann Filter W920 Spin-On Oil Filter. Adhering to these instructions will help ensure optimal performance and longevity of your vehicle's engine lubrication system. Please read this manual thoroughly before proceeding with any installation or maintenance.

2. PRODUCT OVERVIEW

The Mann Filter W920 is a high-quality spin-on oil filter designed for various automotive applications. It features a robust construction and advanced filtration media to effectively remove contaminants from engine oil, protecting critical engine components from wear. Key specifications include:

- Bypass Valve Opening Pressure: 2.5 bar
- Height: 95 mm
- Inner diameter 1: 62 mm
- Inner diameter 2: 71 mm
- Outer diameter: 93 mm
- Thread Size: 3/4-16 UNF
- Equipped with one anti-return valve



Figure 2.1: Front view of the Mann Filter W920 Spin-On Oil Filter. This image displays the filter's exterior, including the Mann Filter logo and basic maintenance instructions printed on the side.



Figure 2.2: Mann Filter W920 Spin-On Oil Filter with key dimensions labeled. This image illustrates the physical measurements of the filter, such as height and diameter, which are crucial for compatibility.

3. SPECIFICATIONS

Attribute	Value
Brand	Mann Filter
Model Number	W920
Material	Paper
Product Grade	Replacement Part
Vehicle Service Type	Car (Universal Fit)
Item Dimensions (L x W x H)	3.74 x 3.66 x 3.74 inches (95 x 93 x 95 mm)
Outside Diameter	93 Millimeters
Thread Size	3/4-16 UNF
Item Weight	0.47 Kilograms (1.03 pounds)
Bypass Valve Opening Pressure	2.5 bar
Supplementary Info	With one anti-return valve

4. COMPATIBILITY

The Mann Filter W920 is compatible with a range of vehicles and equipment. Please verify compatibility with your specific vehicle's requirements before installation. Known compatible models include, but are not limited to:

- Glas G40 Saloon 1.7 (1955 - 1969) 63kW
- Glas GT Convertible 1700 (1964 - 1968) 74kW
- Glas G40 Saloon 1.7 (1955 - 1969) 74kW
- Glas 4 Saloon 1004 (1962 - 1968) 29kW
- Glas GT Convertible 1300 (1964 - 1968) 63kW
- Glas G40 Convertible S 1304 (1962 - 1968) 55kW

For a comprehensive list of compatible vehicles and equivalent part numbers, consult your vehicle's service manual or a reputable automotive parts database.

5. SETUP AND INSTALLATION

Proper installation of the oil filter is crucial for engine health. Always refer to your vehicle manufacturer's service manual for specific instructions and torque specifications. The following are general guidelines for installing a spin-on oil filter:

1. **Safety First:** Ensure the engine is cool. Park the vehicle on a level surface and engage the parking brake. Use jack stands if lifting the vehicle. Wear appropriate personal protective equipment, including gloves and eye protection.
2. **Drain Old Oil:** Place an oil drain pan beneath the oil pan. Remove the oil drain plug and allow all old engine oil to drain completely.

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 clean engine oil to the rubber gasket of the new Mann Filter W920. This ensures a proper seal and prevents the gasket from sticking during future removal.
5. **Install New Filter:** Hand-tighten the new filter onto the engine's filter housing. Once the gasket makes contact with the engine block, tighten it an additional 3/4 to 1 full turn by hand. **Do not overtighten**, as this can damage the filter or housing.
6. **Replace Drain Plug:** Reinstall the oil drain plug with a new washer (if required) and tighten it to the manufacturer's specified torque.
7. **Refill Engine Oil:** Add the recommended type and quantity of new engine oil through the oil filler cap.
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 filter and drain plug. If leaks are present, re-tighten slightly or inspect for proper installation.
9. **Verify Oil Level:** After the engine has cooled for a few minutes, check the oil level with the dipstick and add more oil if necessary to reach the full mark.

6. MAINTENANCE

Regular oil and filter changes are essential for engine longevity. The Mann Filter W920 is designed to perform effectively throughout its service interval. Follow your vehicle manufacturer's recommendations for oil and filter change intervals, typically found in your owner's manual. Factors such as driving conditions (e.g., heavy towing, extreme temperatures, frequent short trips) may necessitate more frequent changes.

7. TROUBLESHOOTING

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

- **Oil Leaks:**
 - Ensure the filter was tightened correctly (hand-tight plus 3/4 to 1 turn).
 - Verify the old gasket was removed from the engine block before installing the new filter.
 - Check for any damage to the filter gasket or housing threads.
- **Low Oil Pressure Warning:**
 - Immediately shut off the engine.
 - Check the oil level; it may be too low.
 - Ensure the filter is securely installed and not leaking.
 - If the warning persists after verifying oil level and filter installation, consult a qualified mechanic.

8. WARRANTY AND SUPPORT

Mann Filter products are manufactured to high-quality standards. For information regarding product warranty, returns, or technical support, please refer to the official Mann Filter website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

