

Yanmar 1A8160-24950

Yanmar 1A8160-24950 Hydraulic Filter User Manual

1. INTRODUCTION

This user manual provides essential information for the proper handling, installation, maintenance, and troubleshooting of the Yanmar 1A8160-24950 Hydraulic Filter. This genuine OEM part is designed to ensure optimal performance and longevity of your equipment by effectively filtering hydraulic fluid.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling and installing the hydraulic filter:

- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure the equipment is turned off and cooled down before beginning any maintenance.
- Relieve any hydraulic system pressure before removing the old filter.
- Handle hydraulic fluid with care; it can be hot and cause skin irritation.
- Dispose of used filters and fluids according to local environmental regulations.

3. PRODUCT OVERVIEW

The Yanmar 1A8160-24950 is a spin-on type hydraulic filter. Its primary function is to remove contaminants from the hydraulic fluid, protecting sensitive components of the hydraulic system from wear and damage. This ensures the smooth and efficient operation of your Yanmar equipment.



Figure 1: Yanmar 1A8160-24950 Hydraulic Filter. This image shows the Yanmar 1A8160-24950 Hydraulic Filter. The filter is black and cylindrical, positioned next to its brown cardboard packaging. The packaging features the 'YANMAR GENUINE PARTS' logo and displays the part number '1A8160-24950', along with text indicating 'FILTER, OIL' and 'MADE IN THAILAND'.

4. INSTALLATION (SETUP)

Refer to your equipment's specific service manual for detailed, model-specific instructions. The following are general steps for hydraulic filter replacement:

1. **Prepare the Equipment:** Park the equipment on a level surface, engage the parking brake, and turn off the engine. Allow the hydraulic system to cool down.
2. **Relieve Pressure:** Follow your equipment's manual to safely relieve hydraulic system pressure.
3. **Drain Fluid (if necessary):** Depending on the system design, some hydraulic fluid may need to be drained before filter removal. Place a suitable drain pan beneath the filter housing.
4. **Remove Old Filter:** Use an appropriate filter wrench to loosen and remove the old hydraulic filter. Be prepared for residual fluid to spill.
5. **Clean Mounting Surface:** Thoroughly clean the filter mounting base on the equipment, ensuring no old gasket material or debris remains.
6. **Prepare New Filter:** Apply a thin film of clean hydraulic fluid to the new filter's gasket. This helps ensure a proper seal.
7. **Install New Filter:** Screw the new Yanmar 1A8160-24950 filter onto the mounting base by hand until the gasket makes contact. Then, tighten it an additional 3/4 to 1 full turn, or according to the torque specifications in your equipment's service manual. **Do not overtighten.**
8. **Refill Hydraulic System:** If fluid was drained, refill the hydraulic reservoir with the recommended type and amount

of hydraulic fluid.

9. **Check for Leaks:** Start the engine and operate the hydraulic system briefly. Check for any leaks around the new filter. Shut off the engine and recheck the fluid level. Add fluid if necessary.

5. OPERATION

Once installed, the Yanmar 1A8160-24950 Hydraulic Filter operates continuously as part of your equipment's hydraulic system. It passively filters the hydraulic fluid as it circulates, trapping contaminants such as dirt, metal particles, and other debris. This ensures that clean fluid reaches all hydraulic components, maintaining system efficiency and preventing premature wear.

6. MAINTENANCE

Regular maintenance of your hydraulic filter is crucial for the longevity of your equipment. The Yanmar 1A8160-24950 is a maintenance item that requires periodic replacement.

- **Replacement Interval:** Always refer to your equipment's specific service manual for the recommended hydraulic filter replacement intervals. These intervals can vary based on equipment type, operating conditions, and hours of use.
- **Inspection:** During routine maintenance checks, visually inspect the filter for any signs of damage, leaks, or excessive corrosion.
- **Fluid Quality:** Monitor the quality of your hydraulic fluid. If the fluid appears discolored or contains visible particles, it may indicate a need for earlier filter replacement and a system inspection.
- **Disposal:** Dispose of the used filter and any drained hydraulic fluid responsibly, following all local environmental regulations and guidelines for hazardous waste.

7. TROUBLESHOOTING

While the Yanmar 1A8160-24950 Hydraulic Filter is a robust component, issues can arise, often related to installation or system-wide problems.

- **Leaks After Installation:**
 - **Cause:** Improperly tightened filter, damaged gasket, or debris on the mounting surface.
 - **Solution:** Ensure the mounting surface is clean. Re-tighten the filter to specifications. If leaks persist, remove the filter, inspect the gasket for damage, and replace the filter if necessary.
- **Hydraulic System Performance Issues (after filter change):**
 - **Cause:** Air trapped in the system, incorrect fluid level, or a clogged new filter (rare, but possible if fluid was extremely contaminated).
 - **Solution:** Bleed air from the hydraulic system as per your equipment's manual. Check and adjust hydraulic fluid levels. If issues persist, consult a qualified technician.
- **Filter Does Not Fit:**
 - **Cause:** Incorrect part number.
 - **Solution:** Double-check the part number against your equipment's requirements. Ensure you have the correct Yanmar 1A8160-24950 filter.

8. SPECIFICATIONS

Attribute	Value
Brand	Yanmar
Model Number	1A8160-24950
Product Grade	Performance Part
Vehicle Service Type	Tractor
Thread Size	M16 x 1.5
Item Weight	3 Pounds
OEM Part Number	1A8160-24950
Number of Items	1
Automotive Fit Type	Universal Fit
UPC	746241610331

9. WARRANTY INFORMATION

As a genuine OEM Yanmar part, this product is manufactured to high standards. Specific warranty terms and conditions for the Yanmar 1A8160-24950 Hydraulic Filter are typically provided by Yanmar or the authorized seller at the time of purchase. Please retain your proof of purchase and refer to the warranty documentation that accompanied your product for details on coverage and claims procedures. For general Yanmar warranty policies, please visit the official Yanmar website or contact their customer service.

10. CUSTOMER SUPPORT

If you have any questions regarding the Yanmar 1A8160-24950 Hydraulic Filter, its installation, or performance, please contact:

- Your authorized Yanmar dealer or service center.
- The seller from whom you purchased the product.
- Yanmar customer service through their official website (www.yanmar.com).

When contacting support, please have your equipment model number, serial number, and the filter part number (1A8160-24950) readily available.



<div><p>Yanmar Industrial Diesel Engines Scheduled Maintenance Program</p><p>Hours</p><p>1 100 Hours or 12 months 2 200 Hours or 24 months 3 300 Hours or 36 months 4 400 Hours or 48 months</p><p>SCHEDULED SERVICE PROGRAM</p><table><thead><tr><th>Every 100 Hours</th><th>Every 200 Hours</th></tr></thead><tbody><tr><td>(1) Change engine oil & filter</td><td>(1) Change oil filter</td></tr><tr><td>(2) Change fuel filter</td><td>(2) Change fuel filter</td></tr><tr><td>(3) Check and adjust valve clearance</td><td>(3) Check and adjust valve clearance</td></tr><tr><td>(4) Check and adjust timing</td><td>(4) Check and adjust timing</td></tr><tr><td>(5) Check and adjust fuel injection pressure</td><td>(5) Check and adjust fuel injection pressure</td></tr><tr><td>(6) Check and adjust fuel injection quantity</td><td>(6) Check and adjust fuel injection quantity</td></tr><tr><td>(7) Check and adjust fuel injection timing</td><td>(7) Check and adjust fuel injection timing</td></tr><tr><td>(8) Check 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<div><p>YANMAR</p><p>SA221 SA324 SA424</p><p>QUICK OPERATION & MAINTENANCE GUIDE</p></div>	<p>Yanmar SA221, SA324, SA424 Compact Utility Tractor: Quick Operation & Maintenance Guide</p> <p>Comprehensive quick operation and maintenance guide for Yanmar SA221, SA324, and SA424 compact utility tractors, covering starting procedures, controls, indicators, daily checks, and periodic maintenance.</p>																																																																																																																																																																																																										
<div><p>YANMAR</p><p>PARTS CATALOG</p><p>F180 F220</p></div>	<p>Yanmar 180F/220F Tractor Parts Catalog</p> <p>Official parts catalog for Yanmar 180F and 220F tractor models, providing detailed part numbers and descriptions for maintenance and repair.</p>																																																																																																																																																																																																										
<div><p>YANMAR</p><p>BETJENINGSMANUAL</p><p>MARINE MOTOR</p><p>4LV</p><p>4LV150 4LV150Z 4LV175 4LV175Z 4LV195 4LV195Z 4LV215 4LV215Z 4LV235 4LV235Z</p><p>YANMAR</p></div>	<p>YANMAR 4LV Serie Marine Motor Betjeningsmanual</p> <p>Denne betjeningsmanual giver detaljerede instruktioner til YANMAR 4LV serie marine motorer, der dækker sikker drift, vedligeholdelsesprocedurer, fejlfinding og specifikationer for optimal ydeevne og levetid.</p>																																																																																																																																																																																																										
<div><p>YANMAR</p><p>Compact Track Loaders</p><p>Quick Reference Guide</p><p>BUILT TO OUT-LOAD OUT-EARN OUT-LAST</p><p>BUILDING WITH YOU</p></div>	<p>Yanmar Compact Track Loaders: Quick Reference Guide & Specifications</p> <p>Explore Yanmar's Compact Track Loaders (CTLs) with this quick reference guide. Discover key benefits like Out-Load, Out-Earn, and Out-Last performance, model fitment, detailed specifications, and dimensions for TL65RS, TL75VS, TL80VS, and TL100VS models.</p>																																																																																																																																																																																																										



DRIFTINSTRUKTION

4LV

4LV150 4LV150Z
4LV170 4LV170Z
4LV190 4LV190Z
4LV210 4LV210Z
4LV230 4LV230Z
4LV250 4LV250Z



YANMAR

[YANMAR 4LV-serien Driftinstruktion](#)

En komplett driftinstruktion för YANMAR 4LV-seriens marinmotorer, som täcker säkerhet, drift, underhåll och felsökning för modellerna 4LV150 till 4LV250 (inklusive Z-varianter).