

## HERO MSU-GE-0026

# HERO® Maintenance Filter Kit Instruction Manual

For Gehl 5640 Skid Steer Loader Naturally Aspirated Engine S/N 506601 & Above

Model: MSU-GE-0026

## 1. INTRODUCTION

This manual provides essential information for the proper use, installation, and maintenance of your HERO® Maintenance Filter Kit. This kit is specifically designed to provide comprehensive filtration solutions for Gehl 5640 Skid Steer Loaders with naturally aspirated engines (Serial Number 506601 & Above). Adhering to the guidelines in this manual will help ensure the longevity and optimal performance of your equipment.

## 2. PRODUCT OVERVIEW

The HERO® Maintenance Filter Kit is a complete solution for routine filter replacement, designed to maintain the efficiency and extend the lifespan of your Gehl 5640 Skid Steer Loader. Each filter in this kit is engineered for superior filtration efficiency, capturing contaminants effectively to optimize machinery performance and minimize wear on critical components.

### Kit Contents:

- **(1) Primary Air Filter:** Part Number 184146
- **(1) Secondary Air Filter:** Part Number 184195
- **(1) Engine Oil Filter:** Part Number 132023
- **(1) Fuel Filter Spin-On:** Part Number 132024
- **(1) Fuel Filter In-Line:** Part Number 137794
- **(1) Hydraulic Oil Filter:** Part Number 074830

### Benefits:

- **Superior Filtration Efficiency:** Advanced technology captures and removes particles, dirt, and debris, optimizing machinery performance.
- **Enhanced Equipment Performance:** Clean filters ensure proper airflow, fuel delivery, and lubrication, preventing costly breakdowns.
- **Durable and Reliable Construction:** Built with high-quality materials to meet or exceed industry standards for demanding conditions.
- **Cost-Effective Solution:** Purchasing a complete kit offers savings compared to buying individual filters.



Image 1: The HERO Maintenance Filter Kit, showcasing the primary air filter, secondary air filter, engine oil filter, spin-on fuel filter, in-line fuel filter, and hydraulic oil filter.



Image 2: An alternative perspective of the HERO Maintenance Filter Kit, highlighting the various filter types and their distinct designs.

### 3. SETUP AND INSTALLATION

Proper installation of filters is crucial for the performance and longevity of your equipment. Always refer to your Gehl 5640 Skid Steer Loader's official service manual for specific, detailed instructions and safety precautions before attempting any filter replacement.

## General Guidelines:

1. **Safety First:** Ensure the equipment is turned off, cooled down, and secured to prevent accidental startup. Disconnect the battery if necessary.
2. **Locate Filters:** Identify the location of each filter type (air, oil, fuel, hydraulic) on your specific Gehl 5640 model.
3. **Prepare for Replacement:** Have appropriate tools, drain pans (for oil/fuel/hydraulic filters), and cleaning supplies ready.
4. **Remove Old Filters:** Carefully remove the old filters. Be prepared for fluid spills when replacing oil, fuel, or hydraulic filters.
5. **Install New Filters:**
  - **Air Filters:** Ensure proper seating and sealing of both primary and secondary air filters. Do not overtighten clamps or housings.
  - **Oil/Fuel/Hydraulic Filters:** Apply a thin film of clean oil to the new filter's gasket before threading it on. Hand-tighten until the gasket makes contact, then tighten an additional 1/2 to 3/4 turn as specified by the equipment manufacturer.
6. **Dispose Properly:** Dispose of old filters and fluids according to local environmental regulations.
7. **Check for Leaks:** After installation, start the engine and check for any leaks around the newly installed filters.

## 4. OPERATING CONSIDERATIONS

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With new filters installed, your Gehl 5640 Skid Steer Loader is ready for optimal operation. Clean filters ensure that the engine receives clean air and fuel, and that the lubrication and hydraulic systems are free from contaminants. This directly contributes to:

- Improved fuel efficiency.
- Consistent engine power and performance.
- Smooth hydraulic system operation.
- Reduced wear on engine and hydraulic components.

Monitor your equipment's performance after filter replacement. Any unusual noises, reduced power, or warning lights should be investigated promptly.

## 5. MAINTENANCE AND REPLACEMENT SCHEDULE

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Regular filter replacement is a critical part of preventative maintenance for your Gehl 5640 Skid Steer Loader. The frequency of replacement depends on operating conditions, hours of use, and the manufacturer's recommendations.

### General Recommendations:

- **Air Filters:** Inspect regularly and replace as needed, especially in dusty environments. A clogged air filter can significantly reduce engine power and increase fuel consumption.
- **Engine Oil Filter:** Replace every time the engine oil is changed, typically based on engine hours or calendar time.
- **Fuel Filters:** Replace at recommended intervals to prevent fuel system contamination and ensure proper fuel flow.
- **Hydraulic Oil Filter:** Replace according to the equipment manufacturer's schedule to maintain hydraulic system cleanliness and performance.

Always consult your Gehl 5640 Skid Steer Loader's service manual for the precise maintenance schedule and intervals.

## 6. TROUBLESHOOTING

While filter replacement is generally straightforward, issues can arise. Here are some common troubleshooting tips:

### Common Issues and Solutions:

| Problem                          | Possible Cause  | Solution   |
|----------------------------------|---|--|
| Engine loses power or runs rough | Clogged air filter or fuel filter                                     | Inspect and replace air and fuel filters. Ensure proper sealing.   |
| Fluid leaks around new filter    | Improperly tightened filter, damaged gasket, or incorrect filter type | Ensure filter is tightened to specifications. Check gasket for damage and replace if necessary. Verify correct filter part number. |
| Hydraulic system sluggish        | Clogged hydraulic filter  | Replace hydraulic filter. Check hydraulic fluid level and condition.   |
| Engine warning light illuminates | Severe filter restriction or other engine issue                       | Consult equipment's diagnostic codes. Replace relevant filters if indicated. Seek professional assistance if problem persists.     |

If you encounter issues not covered here, or if problems persist after troubleshooting, it is recommended to consult a qualified service technician or refer to your equipment's comprehensive service manual.

## 7. SPECIFICATIONS

This HERO® Maintenance Filter Kit (Model MSU-GE-0026) is designed for the Gehl 5640 Skid Steer Loader with Naturally Aspirated Engine S/N 506601 & Above.

### Included Filter Specifications:

- Primary Air Filter: Part Number 184146
- Secondary Air Filter: Part Number 184195
- Engine Oil Filter: Part Number 132023
- Fuel Filter Spin-On: Part Number 132024
- Fuel Filter In-Line: Part Number 137794
- Hydraulic Oil Filter: Part Number 074830

### Product Identification:

- Brand: HERO®
- Model Number: MSU-GE-0026
- UPC: 810166306706
- Manufacturer: Maintenance Solutions Unlimited

## 8. WARRANTY AND SUPPORT

For specific warranty information regarding your HERO® Maintenance Filter Kit, please refer to the documentation provided with your purchase or contact the seller directly. HERO® products are manufactured by Maintenance Solutions Unlimited.

For technical support or inquiries, please reach out to the seller or manufacturer through their official contact channels. Always provide your product model number (MSU-GE-0026) and details of your equipment (Gehl 5640 Skid Steer Loader, S/N 506601 & Above) when seeking assistance.

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*Disclaimer: This manual provides general guidance. Always consult your equipment's official service manual for detailed, model-specific instructions and safety procedures.*