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HERO MSU-JD-0903

HERO® Maintenance Filter Kit Instruction Manual

For John Deere Z970A ZTrak Zero Turn Mower

PRODUCT OVERVIEW

The HERO® Maintenance Filter Kit is designed to provide essential replacement filters for the John Deere Z970A ZTrak Zero Turn Mower. This comprehensive kit ensures optimal performance and extends the lifespan of critical components by replacing worn or clogged filters.

The kit includes:

- (1) Primary Air Filter (MIU11747)
- (1) Secondary Air Filter (MIU11748)
- (1) Engine Oil Filter (AM107423)
- (1) In-Line Fuel Filter (AM116304)
- (2) Transmission Oil Filters (MIA881446)
- (2) Spark Plugs (M802138)



Image: All components included in the HERO Maintenance Filter Kit for John Deere Z970A ZTrak Zero Turn Mower. This includes two air filters, one engine oil filter, one in-line fuel filter, two transmission oil filters, and two spark plugs.

SAFETY INFORMATION

Always refer to your John Deere Z970A ZTrak Zero Turn Mower's official service manual for specific safety procedures and detailed instructions. Ensure the mower is turned off, the engine is cool, and the spark plug wires are disconnected before performing any maintenance. Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.

INSTALLATION GUIDE

This section provides general guidance for replacing the components. Specific locations and procedures may vary; consult your mower's service manual for precise steps.

1. Air Filter Replacement (Primary MIU11747 & Secondary MIU11748)

1. Locate the air filter housing on your mower.
2. Open or unlatch the housing cover.
3. Carefully remove the old primary and secondary air filters. Note their orientation.
4. Clean the inside of the air filter housing to remove any debris.
5. Install the new secondary air filter (MIU11748) first, ensuring it seats properly.
6. Install the new primary air filter (MIU11747) over the secondary filter.
7. Close and secure the air filter housing cover.

2. Engine Oil Filter Replacement (AM107423)

1. Place a drain pan beneath the engine oil filter.
2. Using an oil filter wrench, loosen and remove the old engine oil filter.
3. Clean the mounting surface on the engine.
4. Apply a thin coat of new engine oil to the gasket of the new filter (AM107423).
5. Screw on the new filter by hand until the gasket makes contact, then tighten an additional 1/2 to 3/4 turn. Do not overtighten.
6. Check for leaks after starting the engine.

3. In-Line Fuel Filter Replacement (AM116304)

1. Locate the in-line fuel filter, typically between the fuel tank and the carburetor/fuel pump.
2. Use clamps to pinch off the fuel lines on both sides of the filter to prevent fuel leakage.
3. Remove the hose clamps securing the old filter and detach the fuel lines.
4. Install the new fuel filter (AM116304), ensuring the arrow on the filter points in the direction of fuel flow (towards the engine).
5. Secure the fuel lines with new or existing hose clamps.
6. Remove the pinch clamps and check for leaks.

4. Transmission Oil Filter Replacement (MIA881446 - 2 filters)

1. Locate the transmission oil filters, typically on the hydrostatic transaxles. There are two.
2. Place a drain pan under each filter.
3. Using a filter wrench, loosen and remove the old transmission oil filters.
4. Clean the mounting surfaces.
5. Apply a thin coat of new transmission fluid to the gaskets of the new filters (MIA881446).
6. Screw on the new filters by hand until the gasket makes contact, then tighten an additional 1/2 to 3/4 turn. Do not overtighten.
7. Check fluid levels and add appropriate transmission fluid if necessary, according to your mower's manual.
8. Check for leaks after operating the mower.

5. Spark Plug Replacement (M802138 - 2 plugs)

1. Locate the spark plugs on the engine.
2. Carefully disconnect the spark plug wires by pulling on the boot, not the wire.

3. Use a spark plug socket wrench to loosen and remove the old spark plugs.
4. Inspect the old spark plugs for signs of wear or fouling.
5. Gap the new spark plugs (M802138) to the specification found in your mower's manual (if required).
6. Thread the new spark plugs into the cylinder head by hand to prevent cross-threading.
7. Tighten with a wrench to the manufacturer's recommended torque specification.
8. Reconnect the spark plug wires, ensuring they click into place.



Image: A closer view of the individual components of the HERO Maintenance Filter Kit, highlighting the texture and design of the filters and spark plugs.

MAINTENANCE SCHEDULE

Regular maintenance is crucial for the longevity and efficient operation of your John Deere Z970A ZTrak Zero Turn Mower. Refer to your mower's official service manual for recommended service intervals. Generally, filters and spark plugs should be inspected and replaced annually or after a specified number of operating hours, whichever comes first.

- **Air Filters:** Inspect frequently, replace annually or every 100-200 hours, or more often in dusty conditions.
- **Engine Oil Filter:** Replace with every oil change, typically annually or every 50-100 hours.
- **In-Line Fuel Filter:** Replace annually or every 100-200 hours.
- **Transmission Oil Filters:** Replace at recommended intervals, often every 200-400 hours or annually.
- **Spark Plugs:** Inspect annually, replace every 100-200 hours or as needed.

TROUBLESHOOTING COMMON ISSUES

If you experience issues after replacing filters, consider the following:

- **Engine Not Starting or Running Poorly:**
 - Check fuel filter orientation (arrow pointing towards engine).
 - Ensure spark plug wires are securely connected.
 - Verify spark plug gap is correct.
 - Confirm air filter housing is properly sealed.
- **Oil Leaks:**
 - Ensure oil filter gasket is properly seated and filter is tightened correctly (not overtightened).
 - Check for damage to the old gasket that might have stuck to the engine block.
- **Transmission Issues (e.g., sluggish movement):**
 - Verify transmission fluid level is correct after filter replacement.
 - Ensure transmission filters are properly installed and tightened.

If problems persist, consult a qualified service technician or your mower's official service manual.

SPECIFICATIONS

Component	Part Number	Quantity
Primary Air Filter	MIU11747	1
Secondary Air Filter	MIU11748	1
Engine Oil Filter	AM107423	1
In-Line Fuel Filter	AM116304	1
Transmission Oil Filter	MIA881446	2
Spark Plug	M802138	2

Product Model Number: MSU-JD-0903
UPC: 810146177081
Brand: HERO
Manufacturer: Maintenance Solutions Unlimited

WARRANTY INFORMATION

For specific warranty details regarding the HERO® Maintenance Filter Kit, please refer to the warranty documentation included with your purchase or contact Maintenance Solutions Unlimited directly. General warranty terms typically cover manufacturing defects for a limited period from the date of purchase.




CUSTOMER SUPPORT

If you have questions about the HERO® Maintenance Filter Kit or require assistance, please contact Maintenance Solutions Unlimited, the manufacturer of this product. You can typically find contact information on their official website or through the retailer where the product was purchased.

For additional support regarding your John Deere Z970A ZTrak Zero Turn Mower, please consult your mower's official service manual or contact an authorized John Deere service center.

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Related Documents - MSU-JD-0903

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	<p>Condiciones Especiales de Uso de la Tarjeta HERO</p> <p>Documento que detalla las condiciones especiales de utilización de la tarjeta de débito HERO, incluyendo definiciones, uso, seguridad, límites, responsabilidades y procedimientos legales.</p>
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