John Deere 425

John Deere Maintenance Kit for 425 Lawn Tractor (Serial Number Below 090419) with Kawasaki Engine

Instruction Manual

1. Introduction and Overview

This maintenance kit provides essential components for routine service of your John Deere 425 Lawn Tractor, specifically models equipped with a Kawasaki Engine and having serial numbers below 090419. Performing regular maintenance helps ensure optimal performance, reliability, and longevity of your equipment. This manual outlines the contents of the kit and general procedures for component replacement.

2. Kit Contents

The John Deere Home Maintenance Kit includes the following genuine parts:

- **AM107423 Oil Filter** (Quantity: 1)
- **AM116304 Fuel Filter** (Quantity: 1)
- **MIU11376 Air Element** (Quantity: 1)
- **M76076 Air Element - Foam Pre-cleaner** (Quantity: 1)
- **AM101194 (BMR4A) Spark Plugs** (Quantity: 2)
- **TY22029 Engine Oil** (Quantity: 2 quarts of SAE 10W-30 Turf-Gard 4-Cycle Engine Oil)



This image displays all items included in the John Deere Maintenance Kit: two quarts of Turf-Gard SAE 10W-30 4-Cycle Engine Oil, one oil filter (AM107423), one fuel filter (AM116304), one main air filter element (MIU11376), one foam pre-cleaner air filter element (M76076), two spark plugs (AM101194 / BMR4A), and a 'Next Service Due' sticker.

3. Compatibility

This maintenance kit is specifically designed for use with **John Deere 425 Lawn Tractors** that are equipped with a **Kawasaki Engine**. It is crucial to verify that your tractor's serial number is **below 090419** to ensure proper fit and function of all components. Using this kit on incompatible models may lead to improper operation or damage.

4. Setup and Preparation

Before beginning any maintenance, ensure the tractor is parked on a level surface, the engine is off and cool, and the parking brake is engaged. Disconnect the spark plug wires to prevent accidental starting. Gather necessary tools such as wrenches, an oil drain pan, and rags. Refer to your tractor's specific operator's manual for detailed safety precautions and procedures.

5. Maintenance Procedures

5.1. Engine Oil and Oil Filter Replacement

1. Place an oil drain pan beneath the engine's oil drain plug.
2. Remove the drain plug and allow all old oil to drain completely.
3. Replace the drain plug, ensuring it is tightened to the manufacturer's specifications.
4. Locate and remove the old oil filter (AM107423).
5. Apply a thin film of new engine oil to the gasket of the new oil filter.
6. Install the new oil filter, hand-tightening it according to the instructions on the filter or in your tractor's manual.
7. Remove the oil fill cap and slowly add the two quarts of new TY22029 SAE 10W-30 engine oil.
8. Check the oil level using the dipstick and add more if necessary, ensuring it is within the recommended range.

5.2. Fuel Filter Replacement

1. Locate the existing fuel filter (AM116304) in the fuel line.
2. Use clamps to pinch off the fuel lines on both sides of the filter to prevent fuel leakage.
3. Carefully remove the old fuel filter and dispose of any residual fuel properly.
4. Install the new fuel filter, ensuring the flow arrow on the filter points towards the engine.
5. Secure the fuel lines with clamps and remove the pinching clamps.
6. Check for any fuel leaks after installation.

5.3. Air Filter Element Replacement

1. Locate the air filter housing, typically near the engine.
2. Open the housing and carefully remove the old MIU11376 air element and M76076 foam pre-cleaner.
3. Clean the inside of the air filter housing to remove any debris.
4. Install the new foam pre-cleaner (M76076) over the new main air element (MIU11376).
5. Insert the assembled new air filter elements into the housing.
6. Close and secure the air filter housing cover.

5.4. Spark Plug Replacement

1. Locate the spark plugs (AM101194 / BMR4A) on the engine.
2. Carefully remove the spark plug wires.
3. Using a spark plug wrench, remove the old spark plugs.
4. Inspect the new spark plugs for proper gap setting (refer to your tractor's manual for the correct gap).
5. Thread the new spark plugs into the engine by hand to prevent cross-threading, then tighten with a wrench to the recommended torque.
6. Reconnect the spark plug wires firmly.

6. Troubleshooting

If you encounter issues after performing maintenance, consider the following:

- **Engine Not Starting:** Ensure spark plug wires are securely connected, fuel filter is installed correctly (arrow pointing towards engine), and oil level is correct.
- **Oil Leaks:** Check the oil drain plug and oil filter for proper tightening. Ensure gaskets are seated correctly.
- **Poor Engine Performance:** Verify air filter elements are clean and properly installed. Check spark plug connections.

For persistent issues, consult your John Deere 425 Lawn Tractor operator's manual or contact an authorized John Deere service technician.

7. Specifications

Product Dimensions	12 x 11 x 10 inches
ASIN	B06XYTL6WG
Customer Reviews	4.7 out of 5 stars (based on 71 ratings)
Best Sellers Rank	#1,453 in Lawn Mower Tune Up Kits

8. Support and Warranty

For specific warranty information regarding individual components or the kit as a whole, please refer to the documentation provided with your original John Deere equipment or contact an authorized John Deere dealer. For technical support or further assistance, please visit the official John Deere website or contact their customer service department.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question