John Deere LX277

John Deere LX277 Maintenance Kit and Mulching Blades Instruction Manual

For John Deere Original Equipment Model LX277 with 38-inch Mower Deck

Introduction

This manual provides detailed instructions for the installation and replacement of components included in the John Deere Original Equipment Maintenance Kit (LG195) and Mulching Blades (AM137325/AM141040) for the John Deere Model LX277 with a 38-inch mower deck. Regular maintenance is crucial for ensuring the longevity and optimal performance of your equipment. Please read all instructions carefully before proceeding with any maintenance tasks.

Safety Information

Always prioritize safety when performing maintenance on your John Deere equipment. Failure to follow safety precautions can result in serious injury or damage to the equipment.

- Ensure the engine is turned off and cool before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Use proper tools and techniques to avoid injury.
- Refer to your John Deere LX277 operator's manual for additional safety guidelines specific to your tractor model.

Components Included

This kit provides essential components for routine maintenance of your John Deere LX277.



Figure 1: Complete John Deere LX277 Maintenance Kit with Mulching Blades. This image displays all items included in the kit: engine oil, oil filter, air filter, spark plugs, fuel filter, and two mulching blades with mounting nuts.



Figure 2: John Deere LG195 Maintenance Kit components. This image shows the engine oil bottles, oil filter, air filter, spark plugs, and fuel filter, which are part of the LG195 kit.



Figure 3: Two John Deere 38-inch Mulching Blades (AM137325/AM141040) and four mounting nuts. These blades are designed for efficient mulching performance on a 38-inch mower deck.

Kit Contents:

- (2) Bottles of John Deere Turf-Gard Engine Oil (SAE 10W-30)

- (1) John Deere Oil Filter (LG195)
- (1) John Deere Air Filter (LG195)
- (2) Spark Plugs (LG195)
- (1) John Deere Fuel Filter (LG195)
- (2) John Deere Mulching Blades (AM137325 / AM141040) for 38" deck
- (4) Blade Mounting Nuts

Installation and Replacement Procedures

Follow these steps for proper installation and replacement of the maintenance kit components and mulching blades.

1. Engine Oil and Oil Filter Replacement

1. Run the engine for a few minutes to warm the oil, then shut it off and disconnect the spark plug wire.
2. Place a drain pan under the oil drain plug. Remove the drain plug and allow all old oil to drain completely.
3. Replace the drain plug securely.
4. Position a new drain pan under the oil filter. Unscrew the old oil filter counter-clockwise and remove it.
5. Apply a thin film of new engine oil to the gasket of the new oil filter.
6. Screw on the new oil filter clockwise until the gasket makes contact, then tighten an additional 1/2 to 3/4 turn. Do not overtighten.
7. Remove the oil fill cap and slowly pour in the new John Deere Turf-Gard SAE 10W-30 engine oil. Refer to your LX277 operator's manual for the exact oil capacity.
8. Check the oil level using the dipstick. Add more oil if necessary, ensuring it is between the "Add" and "Full" marks.
9. Replace the oil fill cap.

2. Air Filter Replacement

1. Locate the air filter housing, typically on the side of the engine.
2. Unclip or unscrew the cover of the air filter housing.
3. Carefully remove the old air filter element. Note its orientation.
4. Clean any debris from inside the air filter housing.
5. Insert the new air filter element, ensuring it is seated correctly.
6. Replace the air filter housing cover and secure it.

3. Spark Plug Replacement

1. Locate the spark plug(s) on the engine.
2. Carefully pull the spark plug wire(s) off the old spark plug(s).
3. Use a spark plug wrench to unscrew and remove the old spark plug(s).
4. Inspect the new spark plug(s) for correct gap. Adjust if necessary according to your LX277 operator's manual specifications.
5. Thread the new spark plug(s) into the engine by hand to prevent cross-threading.
6. Tighten with a spark plug wrench until snug. Do not overtighten.
7. Reconnect the spark plug wire(s) firmly.

4. Fuel Filter Replacement

1. Locate the fuel filter in the fuel line, typically between the fuel tank and the carburetor.
2. Use clamps or pliers to pinch off the fuel lines on both sides of the filter to prevent fuel leakage.
3. Loosen the clamps holding the fuel filter in place and carefully remove the old filter. Be prepared for some fuel spillage.
4. Note the direction of the arrow on the old filter (indicating fuel flow). Install the new fuel filter with the arrow pointing in the

same direction towards the engine.
5. Secure the fuel lines with the clamps.
6. Remove the pinch clamps from the fuel lines.

5. Mulching Blades Installation

1. Safely raise the mower deck or the front of the tractor to access the underside of the deck. Ensure it is stable and cannot fall.
2. Using a wrench, remove the nuts holding the old blades in place. You may need to use a block of wood to prevent the blade from turning.
3. Carefully remove the old blades. Be aware that blades can be sharp.
4. Clean any grass or debris from the blade spindle area.
5. Install the new mulching blades, ensuring the cutting edge is facing the correct direction (upwards towards the deck). The star-shaped hole in the blade should align with the spindle.
6. Place the new nuts onto the spindle bolts and tighten them securely with a torque wrench to the specifications found in your LX277 operator's manual. Overtightening or undertightening can be dangerous.
7. Lower the mower deck or tractor.

Operating After Maintenance

After completing all maintenance tasks, reconnect the spark plug wire(s). Start the engine and allow it to run for a few minutes, checking for any leaks or unusual noises. Engage the mower deck briefly to ensure the new blades are operating smoothly. If any issues arise, refer to the troubleshooting section or your main operator's manual.

Maintenance Schedule

This maintenance kit is designed for routine service intervals. For specific recommendations on how often to replace each component, always refer to the maintenance schedule provided in your John Deere LX277 operator's manual. Typical intervals are:

- **Engine Oil & Oil Filter:** Annually or every 50 operating hours, whichever comes first.
- **Air Filter:** Annually or more frequently in dusty conditions.
- **Spark Plugs:** Annually or every 100-200 operating hours.
- **Fuel Filter:** Annually or every 100-200 operating hours.
- **Mulching Blades:** Replace when dull, bent, or damaged. Sharpening may extend life, but replacement is recommended for optimal mulching performance.

Troubleshooting Common Issues

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

- **Engine Fails to Start:**
  - Ensure spark plug wire(s) are securely reconnected.
  - Check that new spark plugs are properly gapped and tightened.
  - Verify fuel filter is installed in the correct direction and fuel lines are not pinched.
  - Confirm adequate fuel level.
- **Engine Runs Roughly:**
  - Check spark plug connections and tightness.
  - Ensure air filter housing is properly sealed.

- Verify oil level is correct.

- **Uneven Cut or Poor Mulching:**
  - Ensure mulching blades are installed with the cutting edge facing upwards.
  - Verify blades are securely tightened to the correct torque.
  - Check for any debris or obstructions under the mower deck.
- **Oil Leakage:**
  - Check oil drain plug and oil filter for proper tightness.
  - Ensure oil filter gasket is not pinched or damaged.

For persistent issues, consult your John Deere LX277 operator's manual or contact an authorized John Deere service technician.

Specifications

Product Name	John Deere LX277 Maintenance Kit + Mulching Blades
Brand	John Deere
Model Compatibility	John Deere LX277
Mower Deck Size	38 inches
Maintenance Kit Part Number	LG195
Mulching Blades Part Number	AM137325 (supersedes to AM141040)
Engine Oil Type	SAE 10W-30 Turf-Gard

Warranty and Support

This product consists of John Deere Original Equipment parts. For specific warranty information regarding these components, please refer to the official John Deere warranty policy or contact an authorized John Deere dealer. Support for installation and troubleshooting can also be found in your John Deere LX277 operator's manual or by contacting John Deere customer service directly.
John Deere Official Website: www.deere.com

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