

John Deere AUC16767

John Deere AUC16767 42-inch Mower Deck Instruction Manual

Model: AUC16767 | Brand: John Deere

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the John Deere AUC16767 42-inch Mower Deck. This replacement deck is designed for specific John Deere lawn tractor models. Please read these instructions thoroughly before proceeding with any installation or operation.

COMPATIBILITY

The John Deere AUC16767 42-inch Mower Deck is a direct OEM replacement for prior MPN GY22439, GY22226, GY21716, GY21029, and GY20965. It is compatible with the following John Deere lawn tractor models:

- **D-Series:** D100, D105, D110, D120, D125, D130
- **E-Series:** E100, E110, E120, E130
- **L-Series:** L100 (42 inch Deck), L105 (42 inch Deck), L107 (42 inch Deck), L108 (42 inch Deck), L110 (42 inch Deck), L111 (42 inch Deck), L118
- **LA-Series:** LA100 (42 inch Deck), LA105, LA110 (42 inch Deck), LA115, LA120 (42 inch Deck), LA125, LA135
- **S-Series:** S100, S110, S120, S130, S240
- **X-Series:** X105, X106, X107, X110 (42 inch Deck), X120 (42 inch Deck), X125, X126, X127, X145
- Also compatible with 102 (42 inch Deck), 105 (42 inch Deck), 115 (42 inch Deck), 135.

Important: Always refer to your original equipment owner's manual to verify compatibility and ensure correct part selection for your specific tractor model.

SETUP AND INSTALLATION

Installation of the mower deck involves transferring components from your old deck to the new AUC16767 deck and

then attaching it to your tractor. This process typically requires basic mechanical skills and tools.

1. **Safety First:** Ensure the tractor is turned off, the parking brake is engaged, and the spark plug wire is disconnected to prevent accidental starting. Wear appropriate safety gear, including gloves and eye protection.
2. **Remove Old Deck:** Carefully disconnect the old mower deck from the tractor. This usually involves detaching the drive belt, lift arms, and anti-scalp wheels. Refer to your tractor's owner's manual for specific removal procedures.
3. **Component Transfer:** Transfer all necessary components from the old deck to the new AUC16767 deck. This includes:
 - Spindles and blades (if not pre-installed)
 - Pulleys and belts
 - Brakes (if applicable)
 - Gauge wheels and mounting hardware
 - Discharge chute assembly
 - Any other brackets or hardware.

Tip: Take photos of the old deck's assembly, especially the belt routing and pulley configuration, before disassembly. This will aid in correct reassembly on the new deck.

4. **Attach New Deck:** Position the new mower deck under the tractor. Reconnect the lift arms, drive belt, and any other attachment points. Ensure all connections are secure and the belt is correctly routed and tensioned.
5. **Leveling:** After installation, level the mower deck according to your tractor's owner's manual specifications. Proper deck leveling is crucial for an even cut.
6. **Final Check:** Before operating, double-check all bolts, nuts, and connections for tightness. Ensure no tools or debris are left on or under the deck. Reconnect the spark plug wire.



Image: Top-down view of the John Deere AUC16767 42-inch Mower Deck. This image displays the main green deck shell, featuring two large circular openings where the blade spindles would be mounted. A black discharge chute is visible on one side, indicating the direction of grass expulsion. The overall structure appears robust and ready for component installation.

OPERATING INSTRUCTIONS

Once the mower deck is correctly installed and leveled, operate your lawn tractor according to its original owner's manual. The AUC16767 deck functions identically to the original 42-inch deck it replaces.

- **Blade Engagement:** Engage the mower blades only when the engine is running at the recommended RPM and the tractor is on a level surface.
- **Cutting Height:** Adjust the cutting height using your tractor's deck lift lever. Ensure the deck is set to an appropriate height for the grass type and conditions.
- **Safe Operation:** Always operate the mower at a safe speed, especially on slopes. Be aware of your surroundings and keep bystanders, especially children and pets, away from the operating area.
- **Discharge Chute:** Ensure the discharge chute is clear of obstructions before and during operation. Never operate the mower without the discharge chute or an approved grass collection system in place.



Image: Angled view of the John Deere AUC16767 42-inch Mower Deck. This perspective highlights the top surface of the green deck, revealing various mounting points and brackets for pulleys, belts, and other operational components. The black discharge chute is clearly visible, along with safety warning labels affixed to the deck surface.

MAINTENANCE

Regular maintenance extends the life of your mower deck and ensures optimal cutting performance.

- **Cleaning:** After each use, clean the underside of the deck to remove grass clippings and debris. Accumulated grass can reduce cutting efficiency and promote rust. Use a hose or pressure washer, but avoid directing high-pressure water directly at bearings or electrical components.
- **Blade Inspection:** Regularly inspect the mower blades for sharpness and damage. Sharpen or replace dull/damaged blades as needed. Always use genuine John Deere replacement blades or approved equivalents.
- **Belt Inspection:** Check the drive belt for wear, cracks, or fraying. Replace the belt if it shows signs of damage or excessive wear. Ensure proper belt tension.
- **Spindle Lubrication:** Refer to your tractor's owner's manual for spindle lubrication requirements. Some spindles are sealed and do not require lubrication, while others may have grease fittings.
- **Hardware Check:** Periodically check all nuts, bolts, and fasteners on the deck for tightness. Tighten any loose hardware.
- **Storage:** When storing the mower for extended periods, especially during the off-season, ensure the deck is thoroughly cleaned and dry. Consider applying a rust preventative to exposed metal surfaces.



Image: Underside view of the John Deere AUC16767 42-inch Mower Deck. This image provides a clear view of the deck's underside, highlighting the two housings for the blade spindles. The green painted surface is visible, along with the internal baffling designed to direct grass clippings. The black discharge chute is also visible from this angle.

TROUBLESHOOTING

Most operational issues related to the mower deck can be resolved by referring to your tractor's owner's manual or by performing basic checks.

- **Uneven Cut:** Check if the deck is properly leveled. Inspect blades for damage or dullness. Ensure tire pressure on the tractor is correct.
- **Excessive Vibration:** Inspect blades for damage, bending, or imbalance. Check for loose hardware on the deck or spindles.
- **Poor Discharge:** Clean the underside of the deck and the discharge chute. Ensure blades are sharp and rotating correctly. Check for proper belt tension.
- **Deck Not Engaging:** Refer to your tractor's owner's manual for troubleshooting the blade engagement system. Check the drive belt for proper routing and tension.

For complex issues or if you are unsure about a repair, consult a certified John Deere service technician.

SPECIFICATIONS

Feature	Detail
Model Number	AUC16767
Replaces Part Numbers	AUC13661, GY22439, GY22226, GY21722, GY21027, GY20855, GY20599
Product Dimensions	57 x 36 x 11 inches
Item Weight	84 pounds
Manufacturer	John Deere

WARRANTY AND SUPPORT

For specific warranty information regarding the John Deere AUC16767 Mower Deck, please refer to the documentation provided with your purchase or contact an authorized John Deere dealer. Warranty terms and

conditions may vary.

For technical support, parts inquiries, or service, please contact your local authorized John Deere dealer or visit the official John Deere website. Always provide your product model number (AUC16767) and your tractor's model and serial number when seeking support.

You can find more information and support resources on the [John Deere Store on Amazon](#).