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› John Deere AUC10902 Throttle Cable Kit Instruction Manual

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For ZTrak Series Zero-Turn Mowers

1. PRODUCT OVERVIEW

The John Deere AUC10902 Throttle Cable Kit is an original equipment manufacturer (OEM) replacement part designed for specific John Deere ZTrak series zero-turn mowers. This cable is crucial for controlling the engine throttle, ensuring proper engine speed and operation. It replaces previous part numbers TCA22049 and TCA17261. This kit includes one throttle cable assembly, ready for installation. Regular inspection and timely replacement of the throttle cable are essential for safe and efficient operation of your equipment.

2. SAFETY INFORMATION

WARNING: Always read and understand the safety precautions in your equipment's operator's manual before performing any maintenance or installation. Failure to do so could result in serious injury or equipment damage.

- Ensure the engine is off, cool, and the spark plug wire is disconnected before beginning any work.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Work in a well-ventilated area.
- If you are unsure about any step, consult a qualified service technician.

3. COMPATIBILITY

This AUC10902 Throttle Cable Kit is compatible with the following John Deere ZTrak models:

- Z810A Professional ZTrak (48 inch Deck, 54 inch Deck)
- Z820A Professional ZTrak (48 inch Deck, 48 inch Mod Deck, 54 inch Deck, 54 inch Mod Deck, 60 inch Deck)
- Z830A Professional ZTrak (54 inch Deck, 54 inch Mod Deck, 60 inch Deck, 60 inch Mod Deck, 72 inch Deck)
- Z840A Professional ZTrak (54 inch Deck, 60 inch Deck)
- Z850A Professional ZTrak (60 inch Deck, 60 inch Mod Deck, 72 inch Deck)
- Z910A Pro ZTrak (48 inch Deck, 54 inch Deck)
- Z920A Pro ZTrak (48 inch Deck, 48 inch Mod Deck, 54 inch Deck, 60 inch Deck)

- Z920M ZTrak (48 inch Mid-Z Deck, 48 inch Mod-Z Deck, 54 inch Deck, 54 inch Mid-Z Deck)
- Z920R ZTrak (48 inch Mid-Z Deck, 54 inch Mid-Z Deck)
- Z925A Pro ZTrak (54 inch Deck, 54 inch Mod Deck, 60 inch Deck)
- Z925A Pro ZTrak EFI (54 inch Mod Deck, 60 inch Deck)
- Z925M ZTrak EFI (54 inch Mid-Z Deck, 54 inch Mod-Z Deck, 60 inch Mid-Z Deck)
- Z925M ZTrak EFI Flex Fuel (54 inch Deck, 54 inch Mod Deck)

Please refer to your original equipment owner's manual to verify compatibility for your specific model and serial number.

4. PACKAGE CONTENTS

- 1 x John Deere AUC10902 Throttle Cable Assembly

5. SETUP AND INSTALLATION

The following steps provide a general guide for replacing the throttle cable. Always consult your specific John Deere ZTrak service manual for detailed, model-specific instructions and torque specifications.

5.1 Preparation

1. Park the mower on a flat, level surface.
2. Engage the parking brake.
3. Turn off the engine and remove the ignition key.
4. Disconnect the spark plug wire(s) to prevent accidental starting.
5. Allow the engine and exhaust components to cool completely.

5.2 Removing the Old Throttle Cable

1. Locate the throttle control lever assembly, typically near the operator's station.
2. Carefully disconnect the cable end from the throttle control lever. Note how it is routed and secured.
3. Trace the cable path to the engine. It will typically connect to the carburetor or throttle body.
4. Disconnect the cable end from the engine's throttle linkage.
5. Remove any clips, clamps, or fasteners securing the cable along its route.
6. Carefully pull the old cable out, noting its exact routing to ensure the new cable is installed correctly.

5.3 Installing the New Throttle Cable

1. Route the new AUC10902 throttle cable along the exact path of the old cable. Ensure it is not kinked, pinched, or rubbing against moving parts or hot surfaces.
2. Secure the cable with any necessary clips or clamps.
3. Connect the engine end of the cable to the throttle linkage on the carburetor or throttle body. Ensure it is securely fastened and moves freely.
4. Connect the other end of the cable to the throttle control lever assembly.
5. Verify that the throttle control lever moves smoothly through its full range of motion and that the engine's throttle linkage responds correctly.

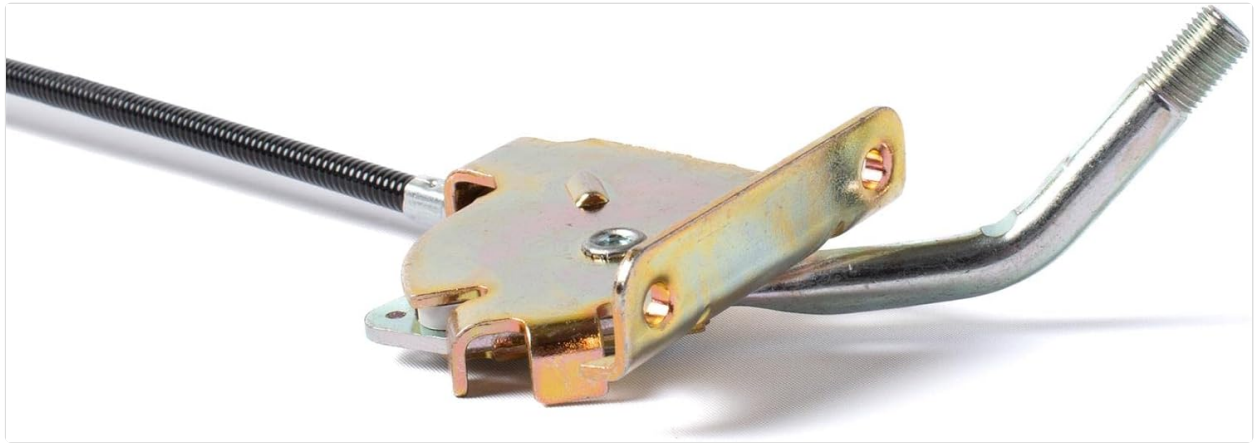


Figure 1: Overall view of the John Deere AUC10902 Throttle Cable Kit, showing the cable and control mechanism.



Figure 2: Side view of the throttle cable mechanism, highlighting the attachment points.



Figure 3: Angled view of the throttle cable assembly, showing the cable entry and lever components.

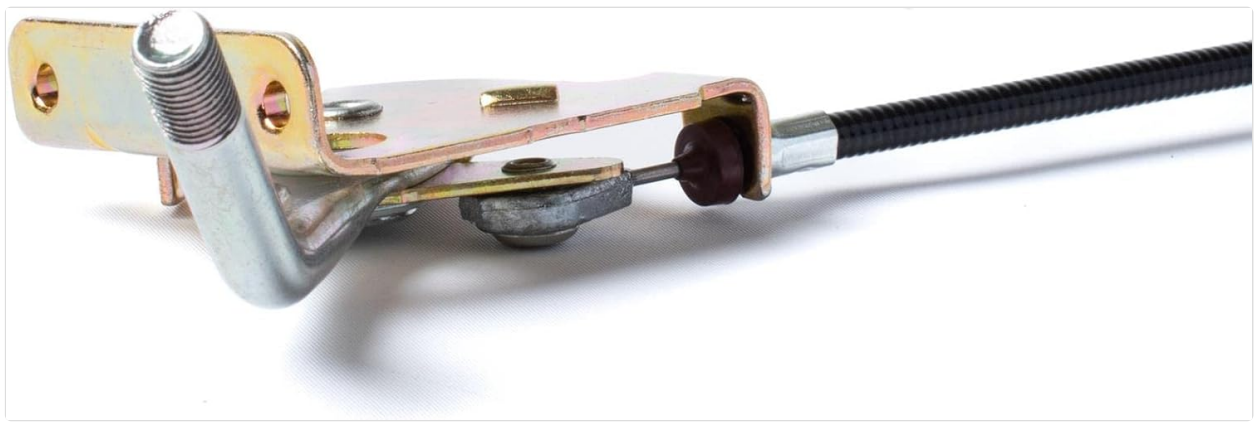


Figure 4: Close-up of the cable connection point on the control mechanism.



Figure 5: Detail of the cable end, showing the spring and hook for engine linkage attachment.

5.4 Post-Installation Check

1. Reconnect the spark plug wire(s).
2. Start the engine and test the throttle response at various speeds. Ensure the engine idles correctly and reaches full throttle without hesitation or sticking.
3. Check for any unusual noises or vibrations.
4. If any issues are observed, shut down the engine immediately and re-inspect the installation.

6. OPERATING CONSIDERATIONS

While the throttle cable itself does not 'operate' independently, its proper function is critical for the safe and effective operation of your ZTrak mower. Ensure the throttle lever moves smoothly and freely, allowing precise control over engine speed. A sticky or damaged cable can lead to unpredictable engine behavior, posing a safety risk.

7. MAINTENANCE

To ensure the longevity and reliable performance of your throttle cable:

- **Regular Inspection:** Periodically inspect the entire length of the cable for signs of wear, fraying, kinks, or damage to the outer casing.
- **Lubrication:** If recommended by your equipment's service manual, apply a suitable cable lubricant to the inner wire at the ends to ensure smooth operation. Avoid over-lubrication, which can attract dirt.
- **Cleaning:** Keep the cable and its connection points free from dirt, debris, and corrosion.
- **Proper Routing:** Ensure the cable remains correctly routed and secured, preventing it from being pinched or damaged during operation.

- **Timely Replacement:** Replace the cable immediately if any damage or excessive wear is detected.

8. TROUBLESHOOTING

If you experience issues with your throttle control after installation or during use, consider the following:

- **Throttle Sticking/Hard to Move:**
 - Check for kinks or sharp bends in the cable routing.
 - Inspect for debris or corrosion at the cable ends or within the casing.
 - Ensure the throttle linkage on the engine is not binding.
 - Lubricate the cable if applicable and recommended.
- **Inconsistent Engine Speed:**
 - Verify that the cable is securely attached at both the control lever and the engine linkage.
 - Check for excessive slack in the cable. Adjust if possible, or replace if stretched.
 - Ensure the throttle lever on the engine moves freely without external interference.
- **Throttle Not Reaching Full Range:**
 - Confirm the cable is correctly installed and adjusted, allowing the throttle linkage to move from idle to full throttle.
 - Inspect for obstructions preventing full movement of the control lever or engine linkage.

If troubleshooting steps do not resolve the issue, consult your John Deere service manual or contact a certified technician.

9. SPECIFICATIONS

Part Number	AUC10902
Replaces Prior MPN	TCA22049, TCA17261
Brand	John Deere
Material	PVC (casing)
Item Weight	0.9 Pounds
Included Components	Throttle Kit
Item Dimensions (L x W)	16"L x 10"W (packaging/overall dimensions, cable length varies)

10. WARRANTY AND SUPPORT

This John Deere AUC10902 Throttle Cable Kit comes with a manufacturer's warranty of **6 months**. For warranty claims, technical assistance, or further support, please contact your authorized John Deere dealer or visit the official John Deere support website.

Always use genuine John Deere parts to ensure compatibility and maintain the integrity of your equipment's warranty.

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