

SGL SGLPN00000019931

SGL Motion Drive Belt User Manual

For Cub-cadet LT2 NS96 Lawn Tractors - Part Number 754-04252

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and troubleshooting of your SGL Motion Drive Belt, designed as a high-quality replacement for Cub-cadet LT2 NS96 lawn tractors. This belt corresponds to OEM part number 754-04252. Adhering to the guidelines in this manual will help ensure optimal performance and longevity of the belt.

2. PRODUCT OVERVIEW

The SGL Motion Drive Belt is engineered to provide reliable power transmission within your Cub-cadet LT2 NS96 lawn tractor's drive system. Manufactured with premium materials, it offers durability and consistent performance.

2.1 Key Features

- **High Strength Belt Fibres:** Designed for exceptional resistance to stretching, maintaining consistent tension and power transfer.
- **Premium Quality Rubber Compound:** Formulated to prevent cracking and degradation, extending the belt's service life.
- **Precise Tolerances:** Manufactured to ISO standards, ensuring a precise fit and optimal operation within the drive system.



Figure 2.1: The SGL Motion Drive Belt (Part Number 754-04252)

This image shows the SGL Motion Drive Belt, a replacement part for Cub-cadet LT2 NS96 lawn tractors. The belt is black, made of rubber, and is coiled for packaging and transport.

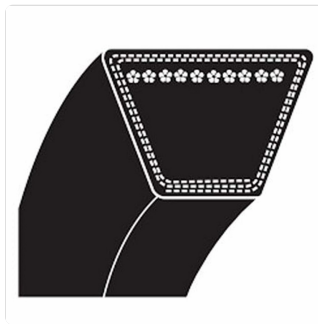


Figure 2.2: V-Belt Cross-Section Diagram

This diagram illustrates the trapezoidal cross-section of a V-belt, highlighting its design for efficient power transmission in grooved pulleys. The internal structure shows reinforcing fibers for strength.

3. INSTALLATION

Safety First: Always ensure the lawn tractor's engine is off, the spark plug wire is disconnected, and the parking brake is engaged before attempting any installation or maintenance. Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.

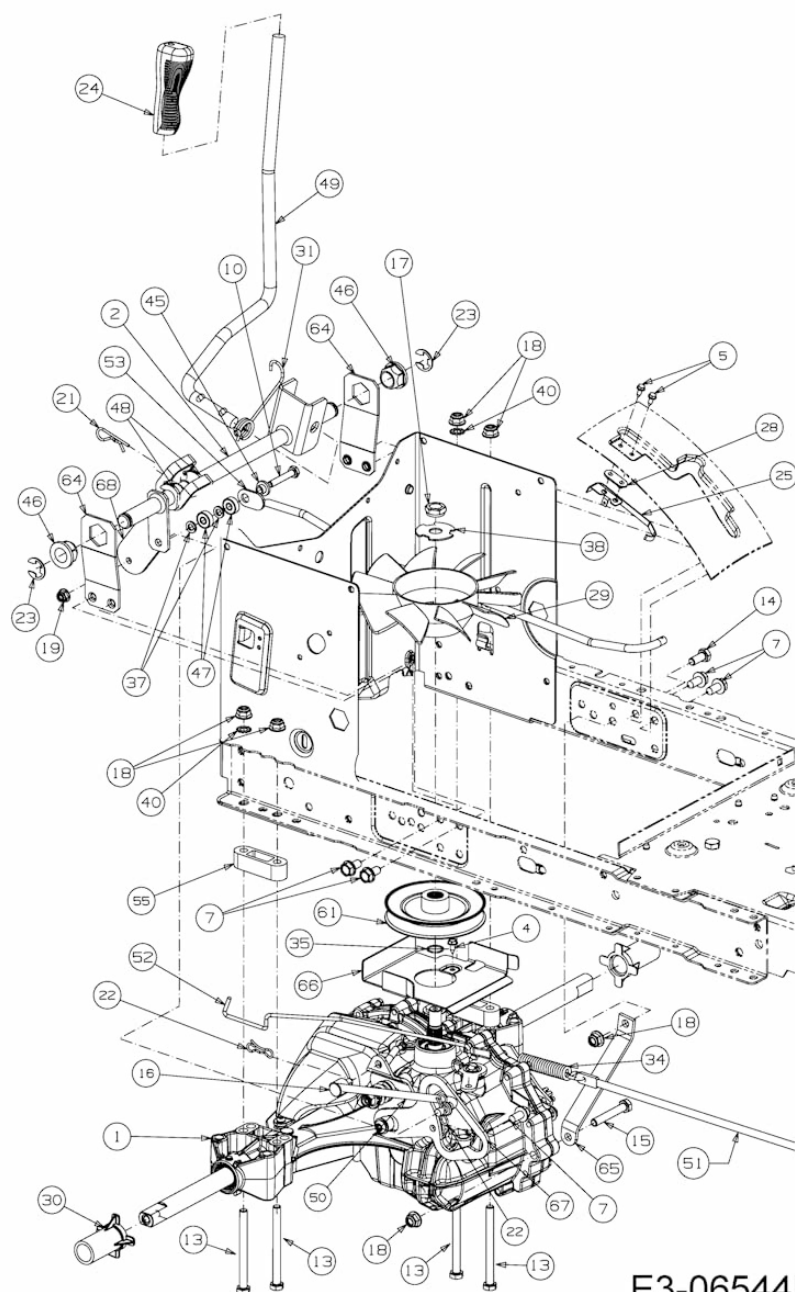
Replacing a drive belt typically involves accessing the drive system components. Refer to your Cub-cadet LT2 NS96 lawn tractor's original service manual for specific instructions and diagrams relevant to your model. The following steps are general guidelines.

3.1 General Installation Steps

1. **Prepare the Tractor:** Park the tractor on a flat, stable surface. Turn off the engine, remove the ignition key, and disconnect the spark plug wire to prevent accidental starting.
2. **Access the Drive System:** Depending on your tractor model, you may need to remove the cutting deck, footrest, or other covers to gain access to the drive belt system.
3. **Relieve Tension:** Locate the tensioning pulley or mechanism and relieve tension on the old belt. This may involve loosening bolts or using a lever.
4. **Remove Old Belt:** Carefully remove the old, worn, or broken drive belt from all pulleys. Note the routing of the

belt before removal, or take photos for reference.

5. **Install New Belt:** Route the new SGL Motion Drive Belt around all pulleys, following the exact path of the old belt. Ensure the belt is seated correctly in all pulley grooves.
6. **Apply Tension:** Re-apply tension to the belt using the tensioning mechanism. Ensure the belt is taut but not overly tight, allowing for proper operation.
7. **Reassemble:** Reinstall any covers, the cutting deck, or other components that were removed.
8. **Test Operation:** Reconnect the spark plug wire. Start the engine and slowly engage the drive system to confirm the new belt is functioning correctly and smoothly. Listen for any unusual noises.



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Figure 3.1: Example Drive System Diagram (Consult your tractor's manual for exact routing)

This image displays an exploded view of a typical lawn tractor's drive system, illustrating various components including pulleys, shafts, and the general path a drive belt might take. This diagram is for illustrative purposes; always refer to your specific Cub-cadet LT2 NS96 service manual for precise belt routing and component identification.

4. OPERATION

Once correctly installed, the SGL Motion Drive Belt facilitates the transfer of power from the engine to the transmission, enabling the lawn tractor's movement. No specific operational steps are required for the belt itself

beyond ensuring it is properly installed and tensioned. Always operate your lawn tractor according to its manufacturer's instructions.

5. MAINTENANCE

Regular inspection and maintenance of your drive belt are crucial for extending its lifespan and ensuring safe operation of your lawn tractor.

5.1 Inspection Schedule

- **Before Each Use:** Briefly check for any obvious damage, fraying, or signs of slippage.
- **Every 25 Hours of Operation or Annually:** Conduct a thorough inspection.

5.2 What to Look For During Inspection

- **Cracks or Fraying:** Inspect the entire length of the belt for any signs of cracking, splitting, or fraying, especially on the ribbed or V-shaped surfaces.
- **Glazing or Shininess:** A glazed or shiny appearance indicates slippage and excessive heat, which can lead to premature wear.
- **Missing Chunks or Damage:** Look for any missing pieces of rubber or damage from foreign objects.
- **Proper Tension:** The belt should be taut. If it feels loose, it may need adjustment or replacement.
- **Debris:** Remove any grass clippings, dirt, or other debris that may have accumulated on the belt or pulleys.

If any significant wear or damage is observed, the belt should be replaced immediately to prevent operational failure or further damage to the tractor's components.

6. TROUBLESHOOTING

Common issues related to drive belts are often indicative of wear or improper installation.

Symptom	Possible Cause	Solution
Loud Squealing Noise	Loose belt, worn belt, misaligned pulleys, debris on belt/pulleys.	Check belt tension, inspect for wear, clean belt and pulleys, check pulley alignment. Replace belt if worn.
Tractor Not Moving / Loss of Drive	Broken belt, severely worn belt, belt slipped off pulleys.	Inspect belt for breakage or dislodgement. Reinstall or replace belt as necessary.
Vibration or Jerking Motion	Damaged belt (e.g., missing chunks), uneven wear, misaligned pulleys.	Inspect belt for damage. Replace if damaged. Check pulley alignment.
Belt Overheating / Glazing	Excessive slippage, improper tension (too loose or too tight), worn pulleys.	Adjust belt tension. Inspect pulleys for wear. Replace belt if glazed.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified service technician or refer to your lawn tractor's comprehensive service manual.

7. SPECIFICATIONS

Attribute	Detail
Product Name	Motion Drive Belt
Brand	SGL
Part Number	754-04252 (OEM Equivalent)
SGL Model Number	SGLPN00000019931
Compatible Devices	Cub-cadet LT2 NS96 Lawn Tractor
Material	Rubber
Belt Style	V Belt

8. WARRANTY AND SUPPORT

For specific warranty information regarding your SGL Motion Drive Belt, please refer to the product packaging or contact the retailer or manufacturer directly. As a non-genuine aftermarket replacement part, warranty terms may differ from original equipment manufacturer (OEM) parts.

For technical support or further assistance, please contact the seller from whom you purchased this product. When contacting support, please have your product model number (SGLPN00000019931) and the OEM equivalent part number (754-04252) ready.

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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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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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