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FITTING AND OPERATION INSTRUCTION SHEET
LIMITED SLIP DIFFERENTIAL KIT (MODEL 02904)
FOR CT2120 (MODEL 30655), CT2140 (MODEL 30656) AND GM3400 (30651)
ORIGINAL VERSION (EN)
FROM SERIAL NO 312000001

INTRODUCTION

This kit provides a limited slip differential to improve traction when tyre grip is reduced in certain ground conditions. This is suitable for the listed machines only.

These instructions include safety, specifications, operating instructions and assembly.
These instructions should be considered as part of the machine.

For all other information refer to your Operator's Manual and Parts List.

In pursuit of continuous product development, TORO reserve the right to alter specifications without notice.

Left and Right: Throughout this manual refers to the mower when looking in the direction of forward travel.

SAFETY PRECAUTIONS

THIS SYMBOL MEANS BE ALERT! YOUR SAFETY IS INVOLVED.
EXERCISE GREAT CARE AND FOLLOW THE ADVICE GIVEN TO AVOID POTENTIAL HAZARDOUS SITUATIONS

Before working on the machine it is essential that you read and understand the Safety Precautions as shown in the Operator's Manual.

Before working on the machine it is essential that :
- **The engine is switched off.**
- **The parking brake is applied.**
- **There is no pressure in the hydraulic system.**
- **The cutterheads are fully down on the ground.**

WARNING: PREVENT ACCIDENTS - When drilling or carrying out other operations always wear eye protection.

WARNING: PREVENT ACCIDENTS - Before working on the machines electrical systems ALWAYS disconnect the battery terminals and ensure no contact is made between the terminals and the machines metalwork.

WARNING: ALWAYS SEEK PROFESSIONAL ADVICE FROM YOUR LOCAL AUTHORISED DEALER IF, AFTER STUDYING THIS, YOU ARE UNSURE HOW TO FIT THIS KIT.

SPECIFICATIONS

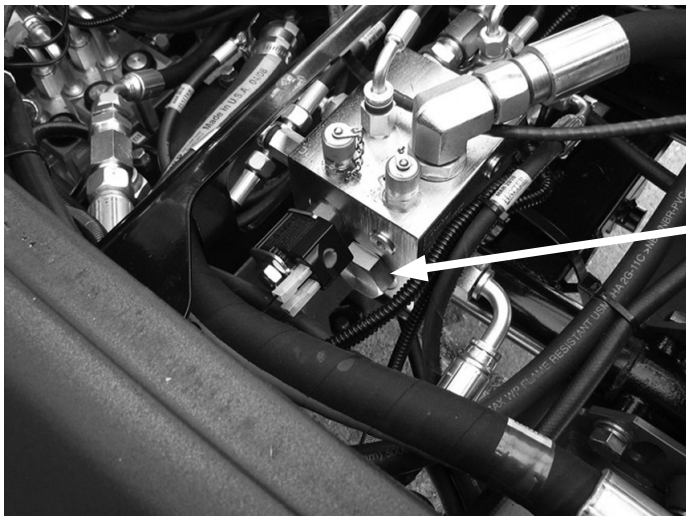
Weight: 0.35Kg

DELIVERY CHECK LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY.	NOTE
1	LIMITED SLIP DIFFERENTIAL VALVE	111-3753	1	
2	SERIAL LABEL	111-3874	1	

DELIVERY CHECKLIST EXPLODED VIEW

Fig 1



FITTING INSTRUCTIONS

1. The valve has to be fitted in the transmission manifold situated under the operator platform.
2. Ensure the engine is switched off and the ignition key is removed. Remove both battery terminals, ensuring that the negative terminal is removed first.
3. Raise the operator platform.
4. Ensure the area around the manifold is clean and free from loose debris.
5. Remove the plug from the left side of the manifold. Refer to Fig 1.
6. Screw in the new difflock cartridge valve (item 1) ensuring that it's O ring is still in place.
7. Tighten the valve to between 136Nm and 149Nm torque.
8. Lower the operator platform.
9. Ensure that the cutterheads are on the ground to reduce hydraulic pressure before starting the machine.
10. Check the hydraulic oil level in the tank and top up if necessary as some oil might have been lost while fitting the valve.

FITTING INSTRUCTIONS Continued

11. Fix the serial label adjacent to the machine serial label.

OPERATING INSTRUCTIONS

This limited slip difflock valve is automatic in operation, it prevents one front wheel rotating considerably faster than the other. As the GM3400 and CT2140 has a 4 wheel drive on demand transmission system, any front wheel slip will engage drive to the rear wheels.

NOTES

The Toro Total Coverage Guarantee

A Limited Warranty

Conditions and Products Covered

The Toro® Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant your Toro Commercial product ("Product") to be free from defects in materials or workmanship for two years or 1500 operational hours*, whichever occurs first. This warranty is applicable to all products with the exception of Aerators (refer to separate warranty statements for these products). Where a warrantable condition exists, we will repair the Product at no cost to you including diagnostics, labor, parts, and transportation. This warranty begins on the date the Product is delivered to the original retail purchaser.
* Product equipped with an hour meter.

Instructions for Obtaining Warranty Service

You are responsible for notifying the Commercial Products Distributor or Authorized Commercial Products Dealer from whom you purchased the Product as soon as you believe a warrantable condition exists. If you need help locating a Commercial Products Distributor or Authorized Dealer, or if you have questions regarding your warranty rights or responsibilities, you may contact us at:

Commercial Products Service Department
Toro Warranty Company
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
E-mail: commercial.warranty@toro.com

Owner Responsibilities

As the Product owner, you are responsible for required maintenance and adjustments stated in your Operator's Manual. Failure to perform required maintenance and adjustments can be grounds for disallowing a warranty claim.

Items and Conditions Not Covered

Not all product failures or malfunctions that occur during the warranty period are defects in materials or workmanship. This warranty does not cover the following:

- Product failures which result from the use of non-Toro replacement parts, or from installation and use of add-on, or modified non-Toro branded accessories and products. A separate warranty may be provided by the manufacturer of these items.
- Product failures which result from failure to perform recommended maintenance and/or adjustments. Failure to properly maintain your Toro product per the Recommended Maintenance listed in the *Operator's Manual* can result in claims for warranty being denied.
- Product failures which result from operating the Product in an abusive, negligent or reckless manner.
- Parts subject to consumption through use unless found to be defective. Examples of parts which are consumed, or used up, during normal Product operation include, but are not limited to, brakes pads and linings, clutch linings, blades, reels, bed knives, tines, spark plugs, castor wheels, tires, filters, belts, and certain sprayer components such as diaphragms, nozzles, and check valves, etc.
- Failures caused by outside influence. Items considered to be outside influence include, but are not limited to, weather, storage practices, contamination, use of unapproved coolants, lubricants, additives, fertilizers, water, or chemicals, etc.
- Normal noise, vibration, wear and tear, and deterioration.
- Normal "wear and tear" includes, but is not limited to, damage to seats due to wear or abrasion, worn painted surfaces, scratched decals or windows, etc.

Parts

Parts scheduled for replacement as required maintenance are warranted for the period of time up to the scheduled replacement time for that part. Parts replaced under this warranty are covered for the duration of the original product warranty and become the property of Toro. Toro will make the final decision whether to repair any existing part or assembly or replace it. Toro may use remanufactured parts for warranty repairs.

Note Regarding Deep Cycle Battery Warranty:

Deep cycle batteries have a specified total number of kilowatt-hours they can deliver during their lifetime. Operating, recharging, and maintenance techniques can extend or reduce total battery life. As the batteries in this product are consumed, the amount of useful work between charging intervals will slowly decrease until the battery is completely worn out. Replacement of worn out batteries, due to normal consumption, is the responsibility of the product owner. Battery replacement may be required during the normal product warranty period at owner's expense.

Maintenance is at Owner's Expense

Engine tune-up, lubrication cleaning and polishing, replacement of Items and Conditions Not Covered filters, coolant, and completing Recommended Maintenance are some of the normal services Toro products require that are at the owner's expense.

General Conditions

Repair by an Authorized Toro Distributor or Dealer is your sole remedy under this warranty.

Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental or consequential damages in connection with the use of the Toro Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Except for the Emissions warranty referenced below, if applicable, there is no other express warranty.

All implied warranties of merchantability and fitness for use are limited to the duration of this express warranty. Some states do not allow exclusions of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Countries Other than the United States or Canada

Customers should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the Toro importer. If all other remedies fail, you may contact us at Toro Warranty Company.