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FITTING AND OPERATION INSTRUCTION SHEET
FLASHING BEACON KIT MODEL 02901
For CT2120, CT2140, LT3340 & GM3400
Models 30655, 30656, 30657 & 30651
ORIGINAL VERSION (EN)
FROM SERIAL NO 312000001

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INTRODUCTION

This kit provides a flashing amber warning beacon and is suitable for the listed machines only.

These instructions should be considered as part of the machine, as it gives essential information regarding machine safety, operation, maintenance and specifications.

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 negative battery terminal and then the positive. 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: 1.4Kg

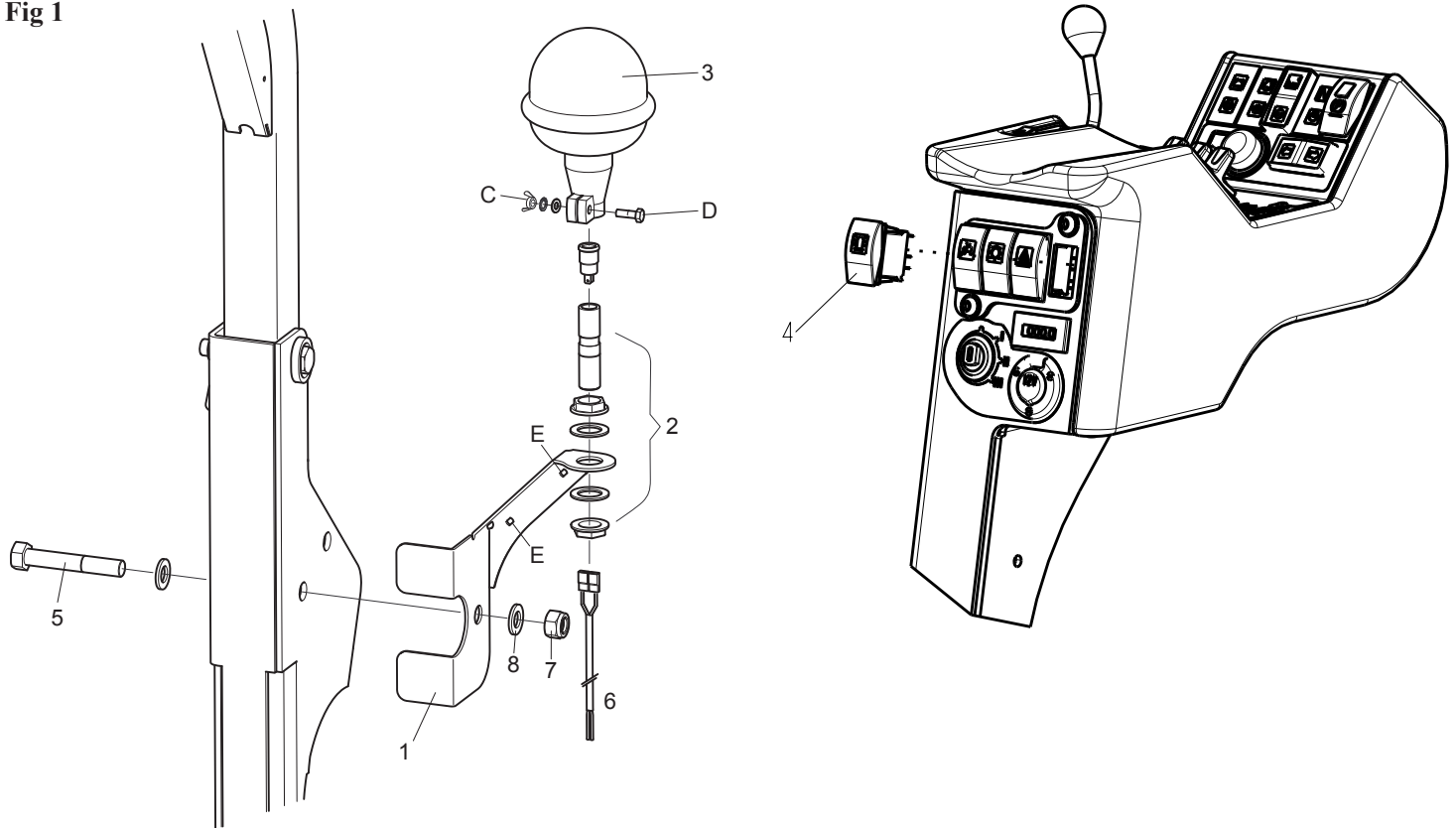
Voltage: 12V

DELIVERY CHECK LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY.	NOTE
1	BEACON BRACKET	111-3339-03	1	
2	BEACON STAND	111-3700	1	
3	BEACON	111-3330	1	
4	CARLING SWITCH - BEACON	111-3472	1	
5	BOLT M16*110 8.8	ZBH1P110U	1	
6	CABLE SEAT SWITCH	111-3779	1	
7	NUT M16*2 NYL INS P TYPE	09456	1	
8	CABLE TIE	HY3966	3	
9	SERIAL NUMBER LABEL	111-3872	1	

DELIVERY CHECKLIST EXPLODED VIEW

Fig 1

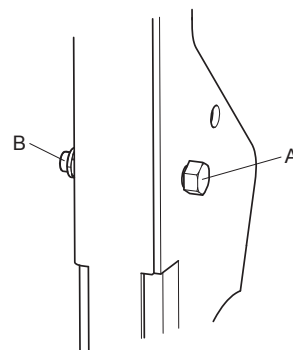


FITTING INSTRUCTIONS

The beacon attaches on the inside of the right hand ROPS post and uses an existing bolt hole in the ROPS.

1. Open the engine cover.
2. Disconnect the negative cable from the battery.
3. Remove the bulkhead to enable access to the main wiring loom by removing the four M6 screws.
4. Ensure that the ROPS pivot bolts and clamp bolts are in place and are tight. Refer to Fig 3.
5. Remove the ROPS pivot bolt fastenings A and B on the right side of the mower and discard the nut and bolt. Retain the washers. Refer to Fig 2.

Fig 2



6. Align the hole in the beacon bracket (item 1) with this hole and insert the new bolt (item 5) and washer (retained from step 5). Refer to Fig 3.
7. Fit the new nut (item 7) and washer (retained from step 5), tighten to a torque of 15Nm. Do not overtighten as this will make the ROPS difficult to fold. Refer to Fig 3.
8. Fit the beacon stand (item 2) to the beacon bracket (item 1). Refer to Fig 3.
9. Loosen the wing nut (C) and remove the beacon (item 3). Refer to Fig 3.
10. It is advisable to rotate the cable as you screw in the connector. This will prevent the cable from being twisted. Refer to Fig 3 and 4.
11. Plug the beacon (item 3) onto the top of the beacon stand (item 2) and tighten its clamp bolt using wing nut C. Refer to Fig 3.
12. Feed the cable (item 6) down the front of the ROPS frame, making sure it cannot be trapped or chafed. Connect to the mating 'Gothic' connector on the main wiring loom, situated near the horn, with the orange and black wires.
13. Cable tie (item 8) the cable to the bracket (item 1) using the two holes shown in Fig 3, reference E.
14. On the main control panel at the rear of the control pad, remove the blanking plug and discard. Refer to Fig 5.
15. Pull out the switch connector containing orange red / orange & black wires and plug in the beacon control switch (item 4). Refer to Fig 5.
16. Press the switch into the cutout until it clicks into place.
17. Replace the bulkhead.
18. Reconnect the battery negative cable.
19. Fix the serial label adjacent to the machine serial label.
20. Lower and latch the engine cover.

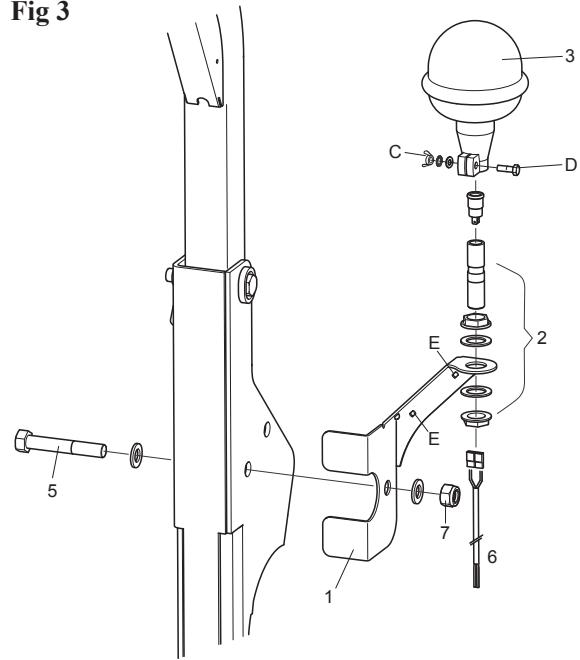
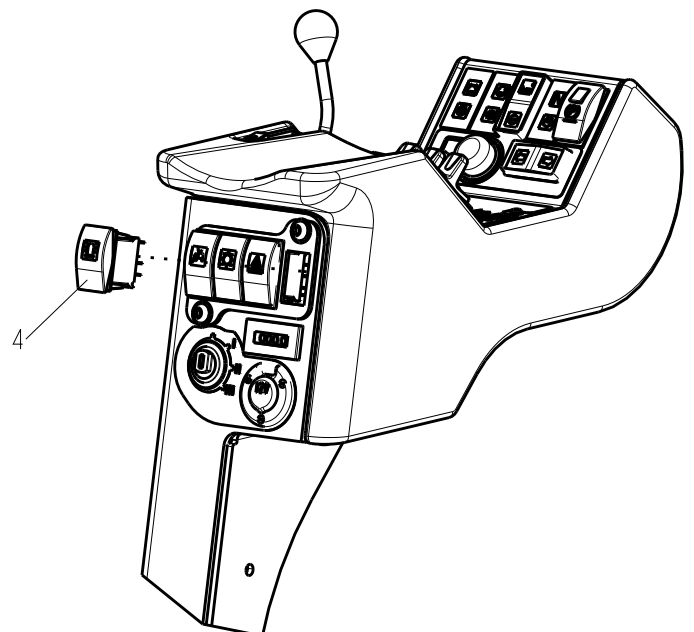
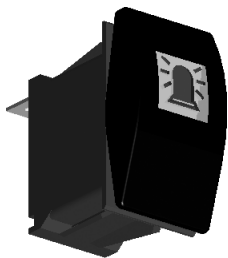
Fig 3

Fig 4

Fig 5


OPERATING INSTRUCTIONS

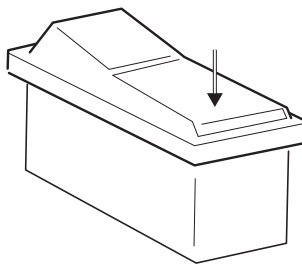
The beacon is powered when the ignition is turned to position 1 and the beacon switch is operated.

Fig 6



Beacon Symbol

Fig 7



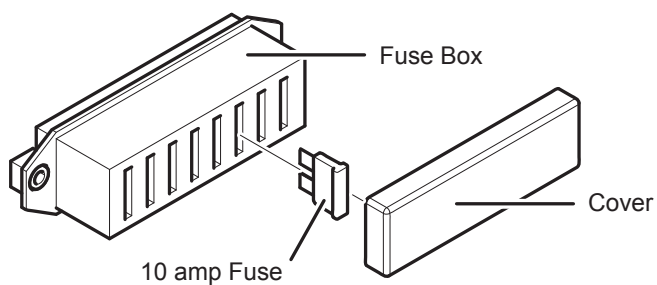
Depress bottom of the switch to activate the beacon.

MAINTENANCE

Clean the beacon with a moist clean cloth.

The beacon fuse is located in the machines fuse box. It is a 10 Amp fuse situated in the third position from the right.

Fig 8



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.