



# Backlap Kit

## Greensmaster® 1021 or 1026 Mower

Model No. 04800

### Installation Instructions

# Installation

## Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
<b>1</b>	No parts required	—	Prepare the machine.
<b>2</b>	No parts required	—	Remove the control cover.
<b>3</b>	Proximity-sensor assembly Double-ended screw Flange nut (1/4 inch) Interlock module Hex-head bolt (3/8 inch)	1 2 2 1 2	Install the proximity-sensor assembly and interlock module
<b>4</b>	Wire harness	1	Install the wire harness
<b>5</b>	No parts required	—	Install the control cover.
<b>6</b>	Drive hub Seal	1 1	Install the backlap knob to the reel-drive assembly.
<b>7</b>	Bail catch Knob Axe-lock bracket Transport Wheel Kit (order separately; contact your authorized Toro distributor)	1 1 1 1	Prepare to backlap.

# 1

# 2

## Preparing the Machine

### No Parts Required

### Procedure

1. Park the machine on a level surface.
2. Engage the parking brake.
3. Shut off the engine.
4. Remove the spark-plug wire from the spark plug; refer to your machine *Operator's Manual*.

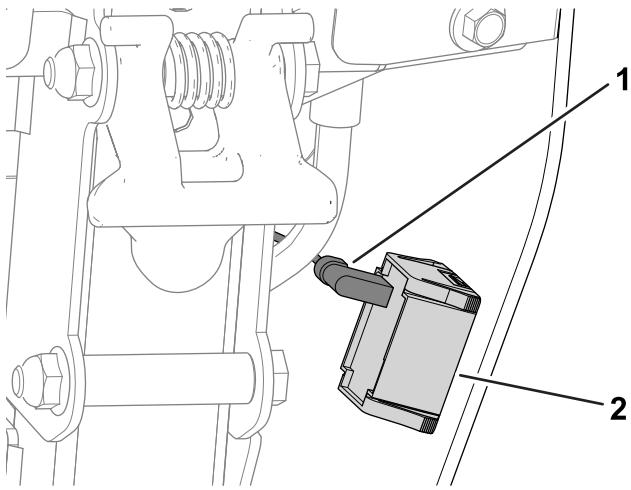
## Removing the Control Cover

### No Parts Required

### Procedure

1. Disconnect the wire-harness connector from the hour meter (Figure 1).





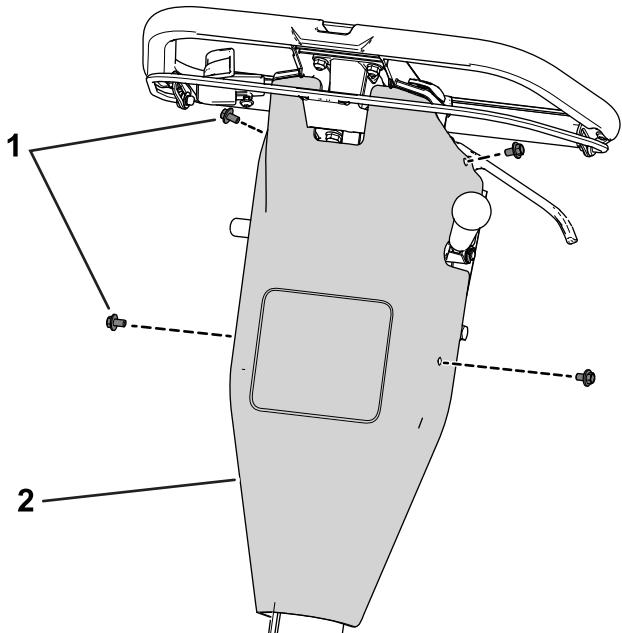
**Figure 1**

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1. Wire-harness connector    2. Hour meter

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2. Remove the control cover by removing the screws that secure the control cover to the rear panel ([Figure 2](#)).



**Figure 2**

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1. Screw    2. Control cover

# 3

## Installing the Proximity-Sensor Assembly and Interlock Module

**Parts needed for this procedure:**

1	Proximity-sensor assembly
2	Double-ended screw
2	Flange nut (1/4 inch)
1	Interlock module
2	Hex-head bolt (3/8 inch)

### Installing the Proximity-Sensor Assembly

Refer to [Figure 3](#) for this procedure.

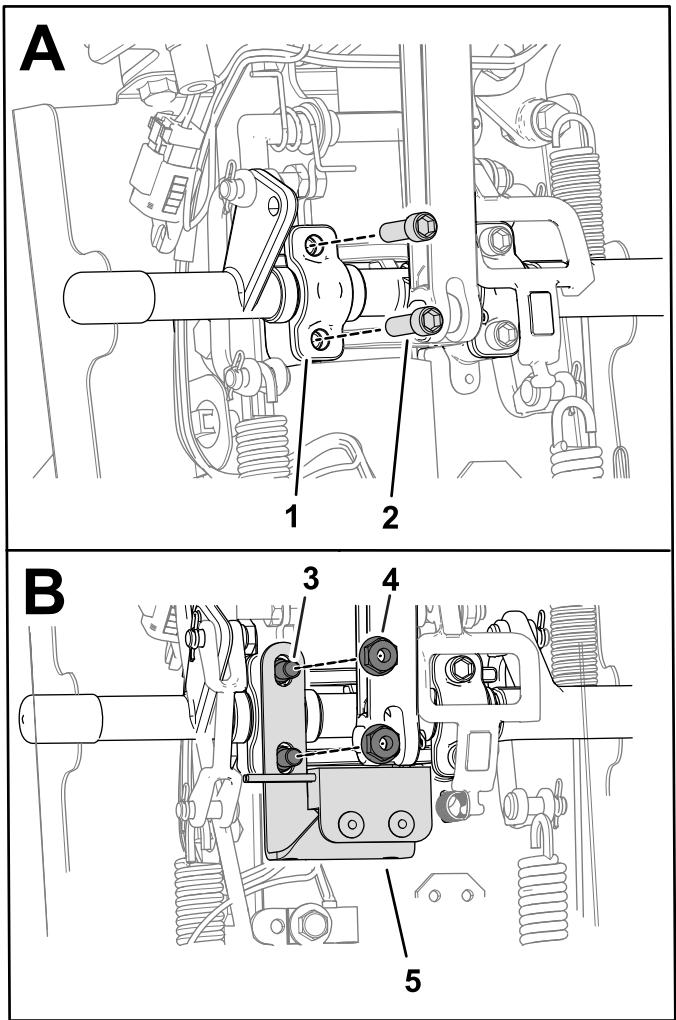


Figure 3

1. Spacer	4. Flange nut (1/4 inch)
2. Socket-head screw	5. Proximity-sensor assembly
3. Double-ended screw	

1. Remove the socket-head screws from the spacer on the control shaft
2. Use 2 double-ended screw and 2 flange nuts (1/4 inch) to install the proximity-sensor assembly to the spacer on the control shaft.
3. Torque the screws and nuts to 9 to 12 N·m (7 to 9 ft-lb).

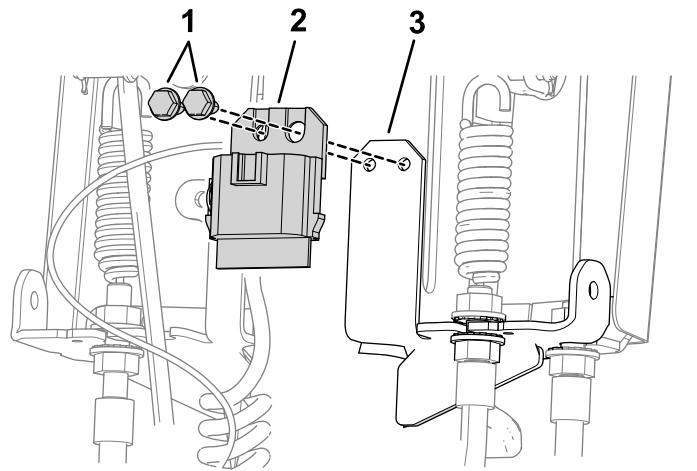


Figure 4

1. Screw	3. Cable bulkhead
2. Interlock module	

# 4

## Installing the Wire Harness

Parts needed for this procedure:

1	Wire harness
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### Procedure

Install the wire harness as follows:

- Wire-harness end with the 6-socket connector: install to the interlock module.
- Wire-harness end labeled **TRACTION SWITCH**: install to the proximity-sensor connector.
- Wire-harness end labeled **TO MAIN HARNESS**: install to the machine-wire-harness end labeled **TO INTERLOCK MODULE**.

## Installing the Interlock Module

Use 2 hex-head bolts (3/8 inch) to install the interlock module to the cable bulkhead (Figure 4).

# 5

## Installing the Control Cover

No Parts Required

### Procedure

Refer to the illustrations in [2 Removing the Control Cover \(page 1\)](#) for this procedure.

1. Use the previously-removed screws to install the control cover.
2. Connect the wire-harness connector to the hour meter.

# 6

## Installing the Backlap Knob to the Reel-Drive Assembly

Parts needed for this procedure:

1	Drive hub
1	Seal

### Procedure

1. Remove the plug from the top of the reel-drive assembly ([Figure 5](#)).

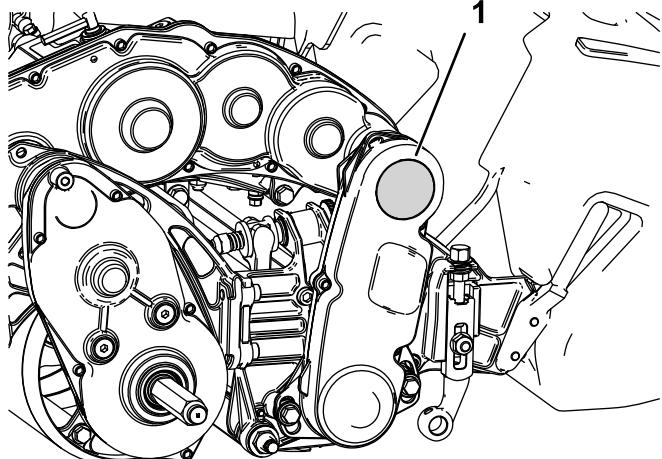
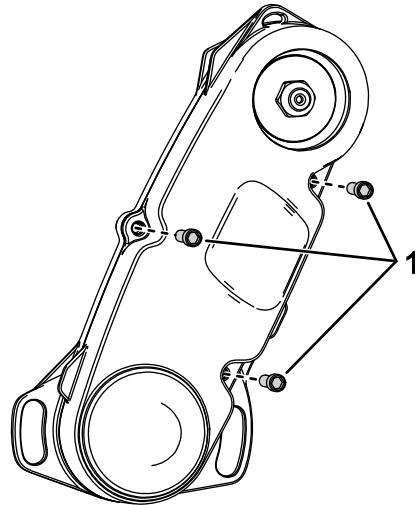


Figure 5

1. Plug

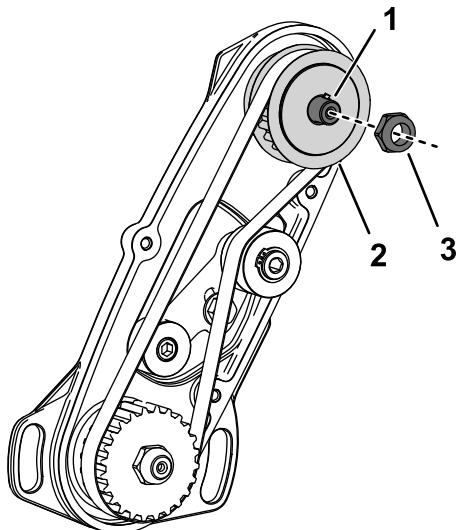
2. Remove the 3 bolts that secure the cover to the reel-drive assembly and remove the reel-drive cover ([Figure 6](#)).



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Figure 6

1. Bolt
3. While securing the drive pulley from movement, remove the nut from the reel-drive shaft ([Figure 7](#)).



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Figure 7

1. Reel-drive shaft
2. Pulley
3. Nut
4. While securing the drive pulley from movement, install the drive hub to the reel-drive shaft ([Figure 8](#)).

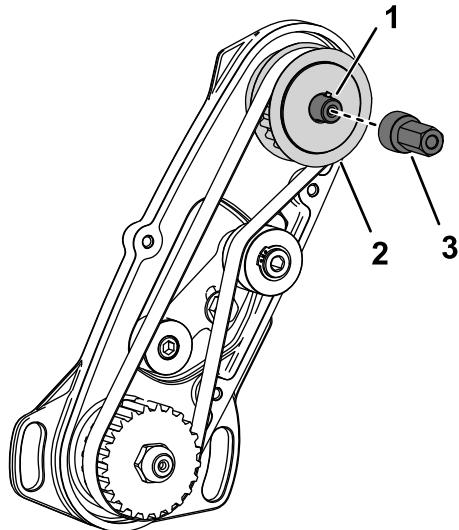


Figure 8

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- 1. Reel-drive shaft
- 2. Pulley
- 3. Drive hub

- 5. While securing the drive pulley from movement, torque the drive hub to 37 to 44 N·m (27 to 32 ft-lb).
- 6. Lubricate the lip of the reel-drive cover and press the seal flush into the cover (Figure 9).

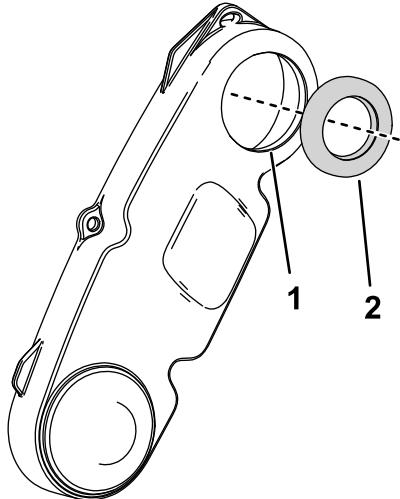


Figure 9

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- 1. Lip
- 2. Seal

- 7. Install the cover to the reel-drive assembly with the bolts that you removed in step 2; refer to Figure 6.

# 7

## Preparing to Backlap

Parts needed for this procedure:

1	Bail catch
1	Knob
1	Axle-lock bracket
1	Transport Wheel Kit (order separately; contact your authorized Toro distributor)

## Procedure

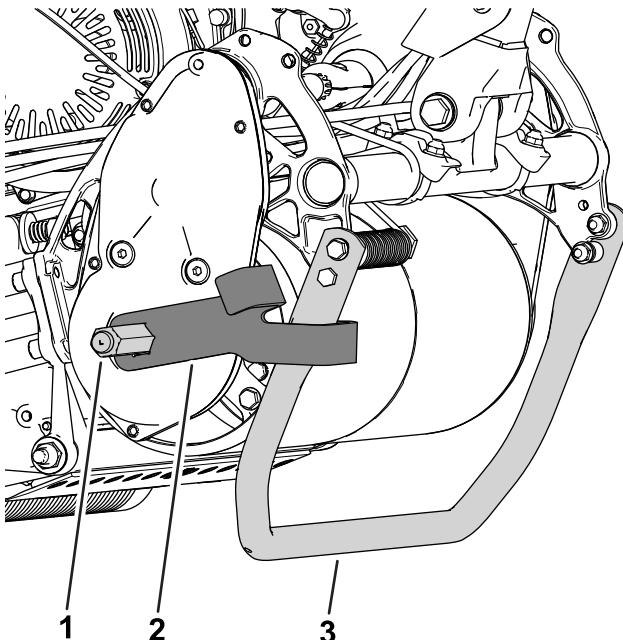
1. Install the spark-plug wire to the spark plug; refer to your machine *Operator's Manual*.
2. Gather the remaining loose parts (i.e., the bail catch, knob, and axle-lock bracket) and the transport wheels for use in [Backlapping the Cutting Unit \(page 6\)](#).

# Operation

## Backlapping the Cutting Unit

### Preparing the Machine for Backlapping

1. Move the kickstand to the TRANSPORT-WHEEL SERVICE position; refer to your machine *Operator's Manual*.
2. Note the position of the traction drum (refer to your machine *Operator's Manual*) and install the axle-lock bracket to the left axle shaft as follows:
  - **Drum set to the Low position:** slide the bracket over the shaft with the shorter prong facing toward the machine.
  - **Drum set to the HIGH position:** slide the bracket over the shaft with the longer prong facing toward the machine (as shown in [Figure 10](#)).

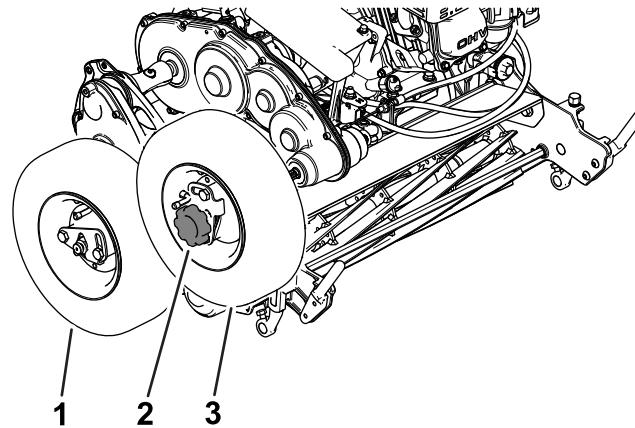


**Figure 10**

1. Left axle shaft
2. Axle-lock bracket
3. Kickstand

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3. Install the transport wheels onto the right-wheel shaft and the drive hub; refer to [Figure 11](#).



**Figure 11**

1. Transport wheel—right-wheel shaft
2. Knob
3. Transport wheel—drive hub
4. Remove the coupler from the transmission driveshaft and adjust the reel-drive assembly to ensure that the wheels are contacting; refer to the cutting unit maintenance section of your machine *Operator's Manual*.
5. Install the knob over the wheel on the drive hub ([Figure 11](#)).

# Performing a Backlapping Job

## ⚠ DANGER

Contact with the reel or other moving parts can result in personal injury.

- Stay away from the reel while backlapping.

- Do not use a short-handled paint brush for backlapping. A brush and handle assembly (Part No. 29-9100) is available from your authorized Toro distributor.

1. Start the engine; refer to your machine *Operator's Manual*.
2. Engage the traction drive as follows:
  - **Machines equipped with the clutch bail:** Engage the clutch bail and install the bail catch ([Figure 12](#)).

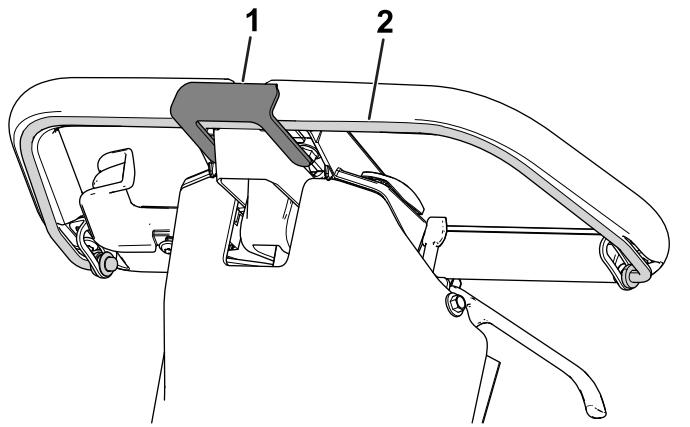


Figure 12

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1. Bail catch      2. Clutch bail

- **Machines equipped with the Traction Lever Kit:** Move the traction lever down to the ENGAGED position; refer to the kit *Installation Instructions*.

3. Use a long-handled brush to apply lapping compound to the rotating reel.

4. When the backlapping operation is completed and cutting reel is not moving, perform the following steps:

- A. Run a file across the front face of the bedknife.

**Note:** This will remove any burrs or rough edges that may have built up on the cutting edge.

- B. Remove the bail catch and axle-lock bracket.

- C. Align the reel-drive assembly with the transmission driveshaft and install the reel-drive coupler to the driveshaft; refer to the cutting unit maintenance section of your machine *Operator's Manual*.



**Count on it.**