



Beacon Kit

Groundsmaster® e3200 2-Wheel Drive Traction Unit

Model No. 32313

Operator's Manual

Setup

Loose Parts

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

Procedure	Description	Qty.	Use
1	No parts required	–	Prepare for installation.
2	Beacon light Beacon socket Beacon wire harness Cable tie Light switch ROPS beacon mount Bolt (5/16 x 1 inch) Locknut (5/16 inch) Sunshade beacon mount Carriage bolt (3/8 x 2-1/4 inches) Carriage bolt (3/8 x 1 inch) Spacer Locknut (3/8 inch)	1 1 1 6 1 1 2 2 1 1 1 1 1 2	Install the beacon.

1

Preparing for Installation

No Parts Required

Procedure

Important: Before installing the Beacon Kit, you must install either the LED Work Light Kit, or a Universal Sunshade Kit with the Switch Panel Kit installed. Contact your authorized Toro distributor for more information.

Note: Retain all removed parts for later installation unless otherwise noted.

1. Park the machine on a level surface, lower the attachment, shut off the machine, engage the parking brake, and remove the key.
2. Turn the battery-disconnect switch to the OFF position; refer to the electrical system maintenance section of the traction unit *Operator's Manual*.



2

Installing the Beacon

Parts needed for this procedure:

1	Beacon light
1	Beacon socket
1	Beacon wire harness
6	Cable tie
1	Light switch
1	ROPS beacon mount
2	Bolt (5/16 x 1 inch)
2	Locknut (5/16 inch)
1	Sunshade beacon mount
1	Carriage bolt (3/8 x 2-1/4 inches)
1	Carriage bolt (3/8 x 1 inch)
1	Spacer
2	Locknut (3/8 inch)

For Machines with a ROPS

Important: Before installing this kit, the ROPS must be equipped with the LED Work Light Kit. Contact your authorized Toro distributor for more information.

1. Remove the rear nuts and bolts from the work light bracket as shown in [Figure 1](#).

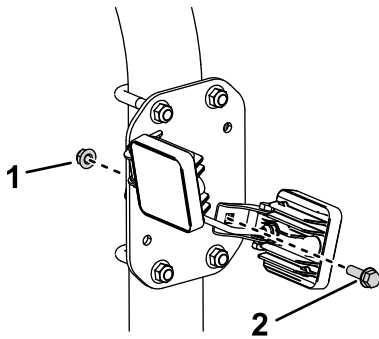


Figure 1

g307013

1. Nut

2. Bolt

2. Assemble the beacon to the bracket and install the beacon assembly as shown in [Figure 2](#).

Note: Ensure that the assembly is secure by tightening the wing nut on the beacon and the jam nuts on the socket once assembled.

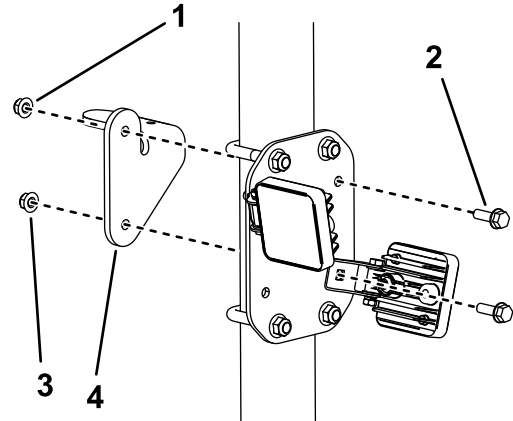


Figure 2

g307037

1. Beacon assembly
2. Use the kit bolts and nut here.
3. Use the existing nut here.
4. Beacon bracket here.

3. Locate the loose 2-pin socket from the work light wire harness and connect the beacon harness power connector.
4. Pull the beacon harness up through the bottom of the hole in the beacon mount.

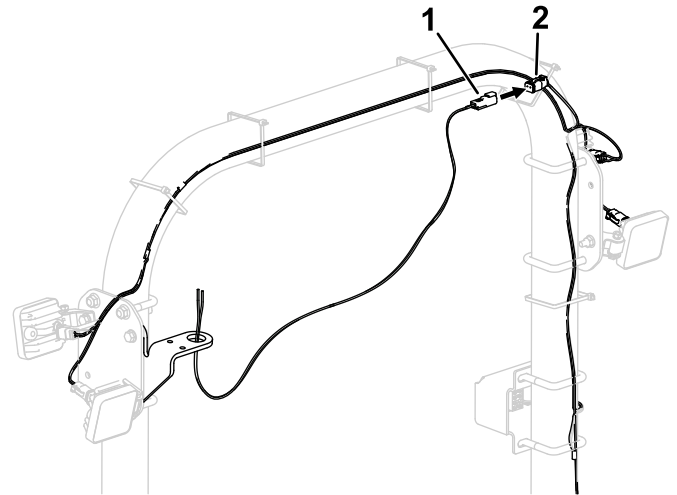


Figure 3

g471591

1. Beacon harness power connector
2. Work light socket connector

5. Pull the beacon harness up through the bottom of the hole in the beacon mount.

- Connect the loose beacon harness connectors to the spades in the beacon socket (Figure 4).

Note: The beacon connector can be threaded out of the beacon socket for connection (Figure 5).

- Connect the red wire to the center beacon spade.
- Connect the black wire to the outer beacon spade.

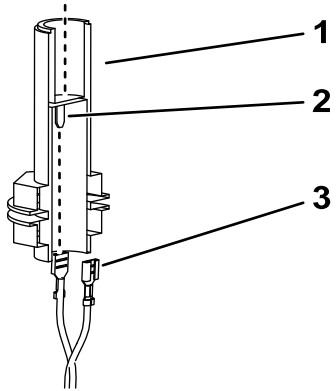


Figure 4

g306902

- | | |
|------------------|------------------------------|
| 1. Beacon socket | 3. Beacon harness connectors |
| 2. Beacon spades | |

- Assemble the beacon to the bracket as shown in Figure 5.

Note: Ensure that the assembly is secure by tightening the wing nut on the beacon and the jam nuts on the socket once assembled.

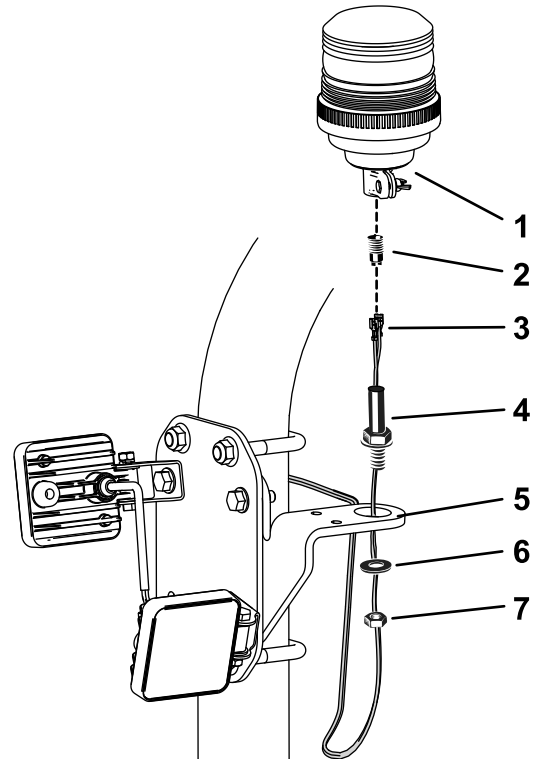
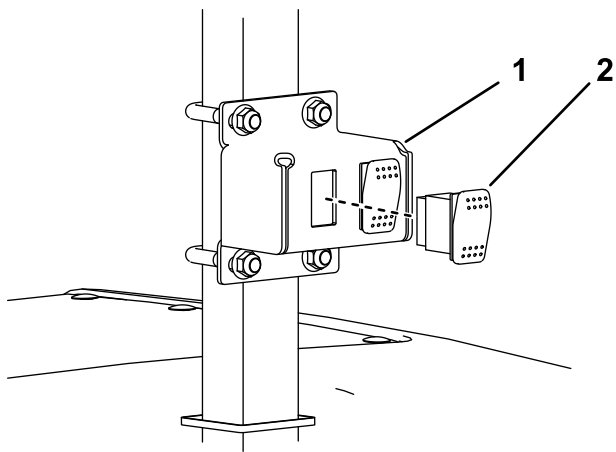


Figure 5

g307744

- | | |
|----------------------------|-------------------------|
| 1. Beacon light | 5. Beacon mount bracket |
| 2. Beacon connector | 6. Washer |
| 3. Wire harness connectors | 7. Jam nut |
| 4. Beacon socket | |

8. Connect the beacon switch to the work light switch assembly as shown in [Figure 6](#).



g307717

Figure 6

1. Work light switch assembly.
2. Beacon switch

-
9. Turn the battery-disconnect switch to the ON position; refer to the electrical system maintenance section of the traction unit *Operator's Manual*.

For Machines with a Sunshade

Important: Before installing this kit, the sunshade must be equipped with the Switch Panel Kit. Contact your authorized Toro distributor for more information.

1. Install the beacon mount bracket to the sunshade as shown in [Figure 7](#).

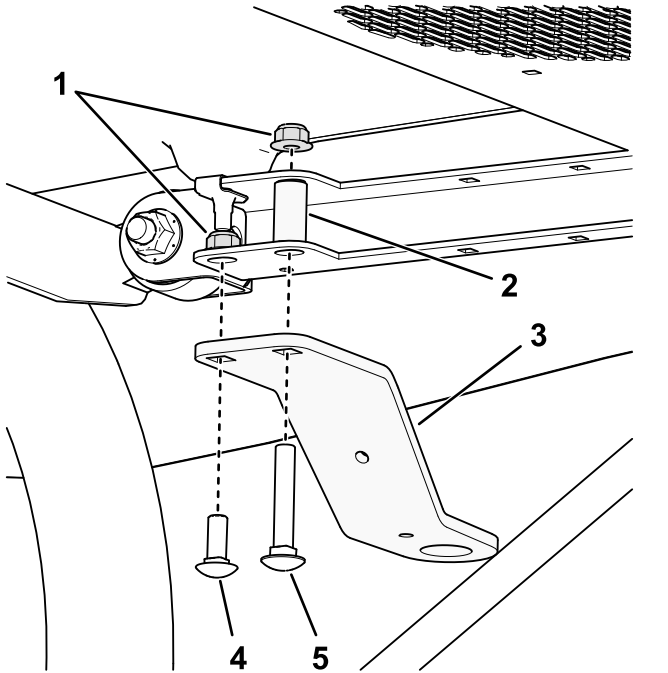


Figure 7

- | | |
|-------------------------|---------------------------------------|
| 1. Locknut (3/8 inch) | 4. Carriage bolt (3/8 x 1 inch) |
| 2. Spacer | 5. Carriage bolt (3/8 x 2-1/4 inches) |
| 3. Beacon mount bracket | |

2. On top of the sunshade, locate the loose 2-pin socket from the switch panel wire harness and connect the beacon harness power connector.

3. Pull the beacon harness up through the bottom of the hole in the beacon mount.

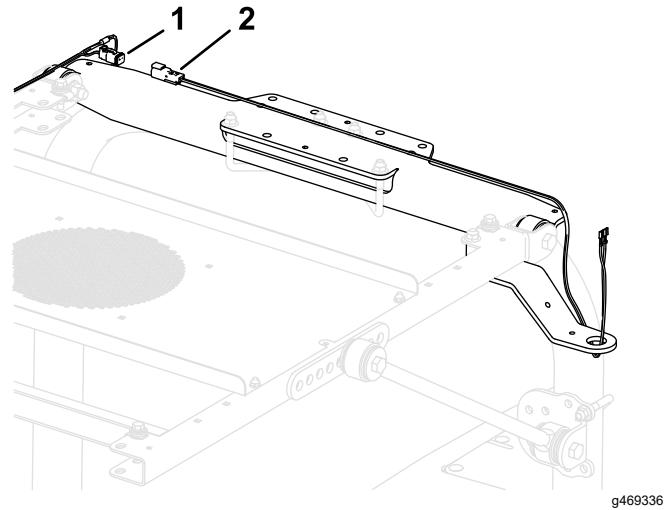


Figure 8

Sunshade not shown for clarity

- | | |
|------------------------|-----------------------------------|
| 1. Switch panel socket | 2. Beacon harness power connector |
|------------------------|-----------------------------------|

4. Connect the loose beacon harness connectors to the spades in the beacon socket ([Figure 9](#)).

Note: The beacon connector can be threaded out of the beacon socket for connection ([Figure 10](#)).

- Connect the red wire to the center beacon spade.
- Connect the black wire to the outer beacon spade.

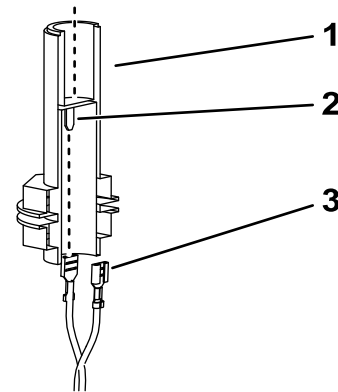


Figure 9

- | | |
|------------------|------------------------------|
| 1. Beacon socket | 3. Beacon harness connectors |
| 2. Beacon spades | |

- Assemble the beacon to the bracket and install the beacon assembly as shown in [Figure 10](#).

Note: Ensure that the assembly is secure by tightening the wing nut on the beacon and the jam nuts on the socket once assembled.

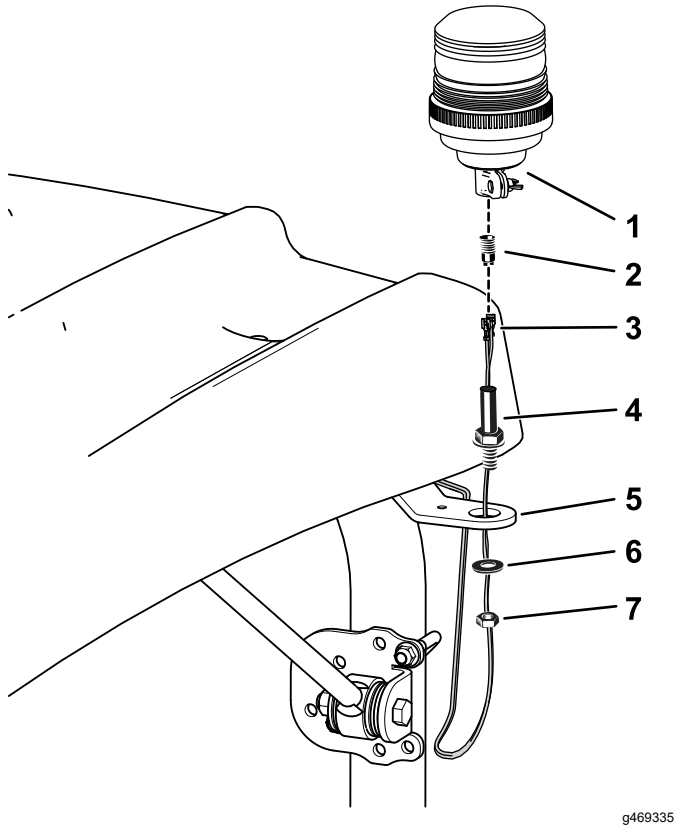


Figure 10

g469335

- | | |
|----------------------------|-------------------------|
| 1. Beacon light | 5. Beacon mount bracket |
| 2. Beacon connector | 6. Washer |
| 3. Wire harness connectors | 7. Jam nut |
| 4. Beacon socket | |

- Remove the plug from the beacon switch opening on the switch panel ([Figure 11](#)).

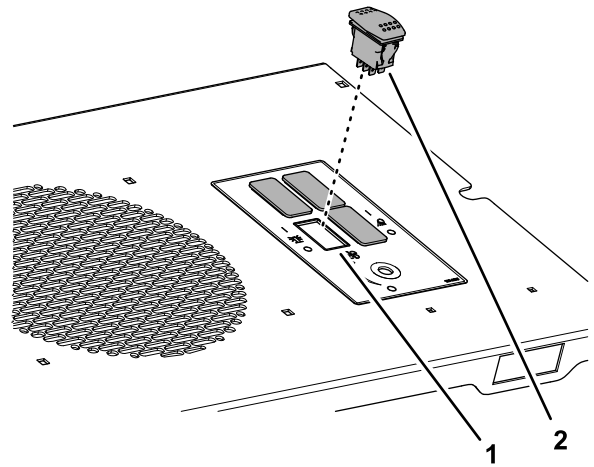


Figure 11

g469337

- Beacon switch opening
- Plug

- Connect the beacon switch to the switch panel as shown in [Figure 12](#).

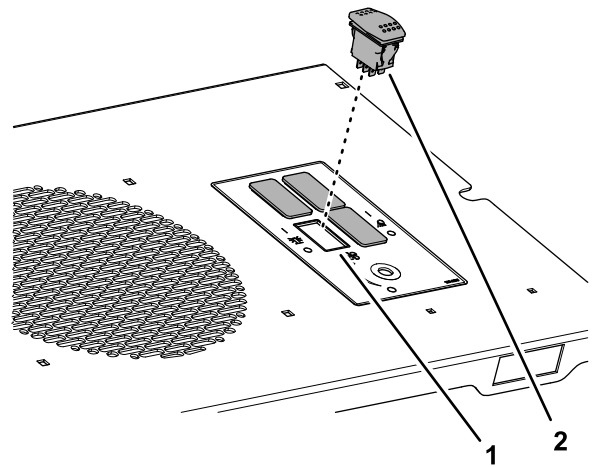


Figure 12

g469337

- Beacon switch opening
- Beacon switch

- Connect the battery; refer to the electrical system maintenance section of the traction unit *Operator's Manual*.

Operation

Controls

Beacon Switch

Press the beacon switch to the ON position to activate the beacon.



Count on it.