Form No. 3449-865 Rev A

# Handlebar Extension Kit

## HoverPro® 450/550 Machine

**Model No. 02628**

**Installation Instructions**

# Installation

## Media and Additional Parts

| Description | Qty. | Use |
|---|---|---|
| Handlebar extension | 1 | Install the handlebar extension kit. |
| Operator-presence control cable | 1 | |
| Handwheel knobs | 2 | |
| U-bolt | 2 | |
| Cable tie | 3 | |

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

1. Shut off the engine, remove the key (if equipped), wait for all movement to stop, and allow the machine to cool.
2. Remove the operator-presence control cable from the handlebar (Figure 1).

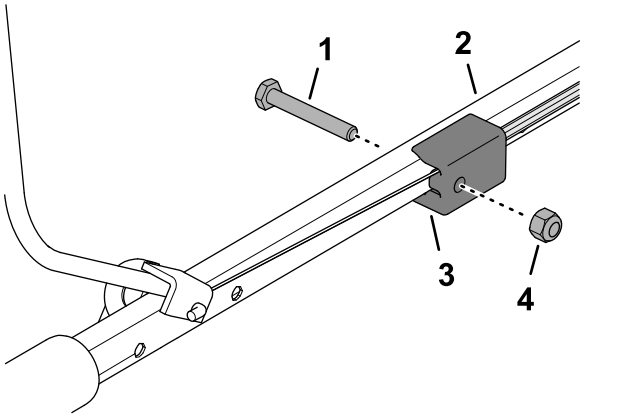



**Figure 1**

1. Bolt (1/4 x 1-3/4 inches)
2. Upper handlebar
3. Handlebar fitting
4. Locknut (1/4 inch)

3. Disconnect the removed cable from the operator-presence bail bracket by angling the cable fitting free (Figure 2).

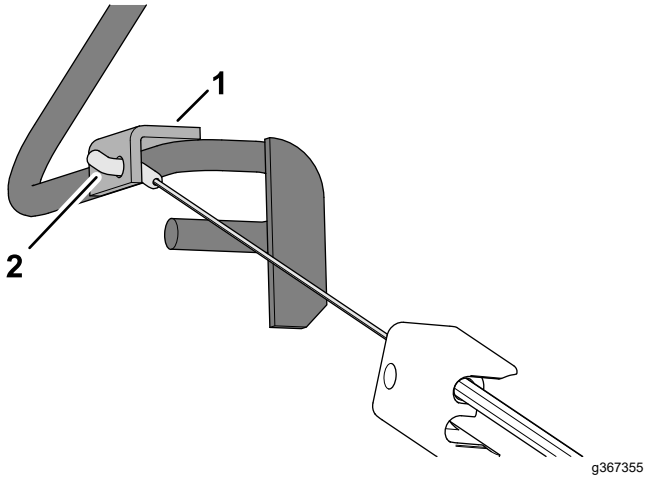



**Figure 2**

1. Operator-presence bail bracket
2. Cable fitting

4. Remove the other end of the removed cable from the engine.

   ***Important:*** **Note how the cable is connected to the engine, the new cable is installed in the same way.**

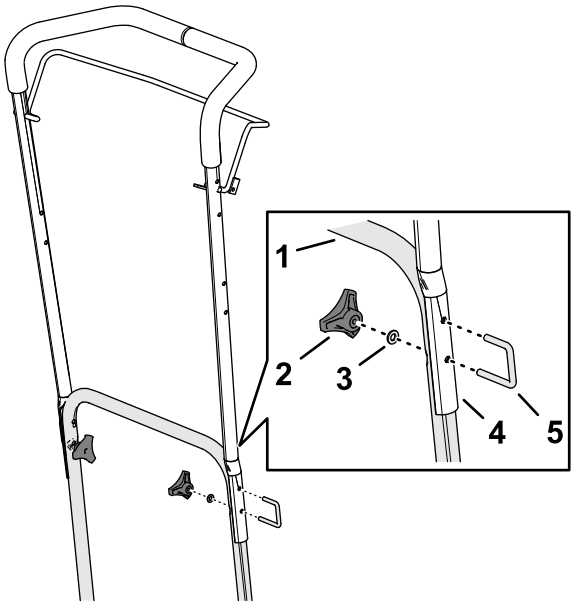
   **Note:** You may discard the removed operator-presence control cable.
5. Remove the 2 handwheel knobs, washers, and U-bolts that secure the upper handlebar to the lower handlebar (Figure 3).

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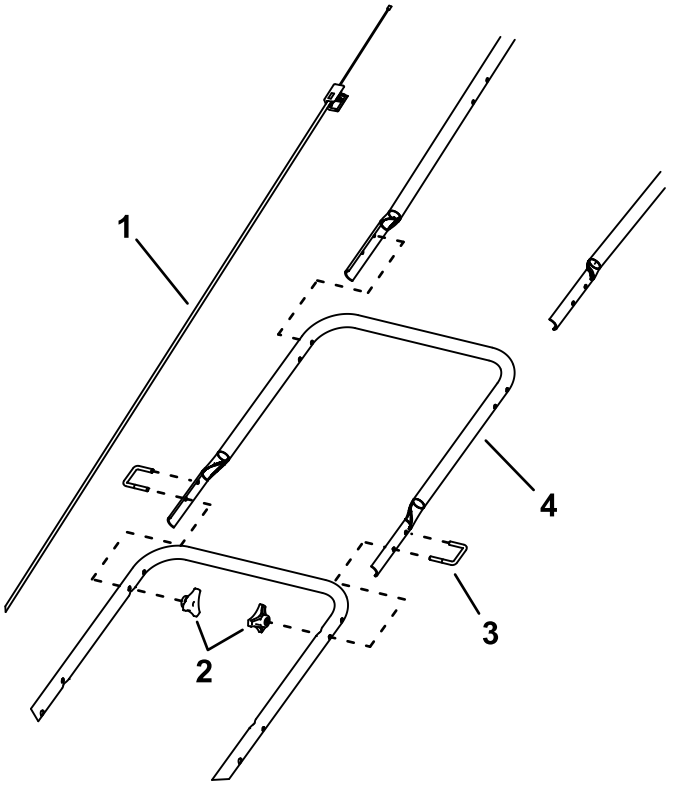



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**Figure 3**

1. Lower handlebar
2. Handwheel knob
3. Washer (6mm)
4. Upper handlebar
5. U-bolt

6. Secure the handlebar extension to the lower handlebar using the 2 handwheels and 2 U-bolts provided (Figure 4).

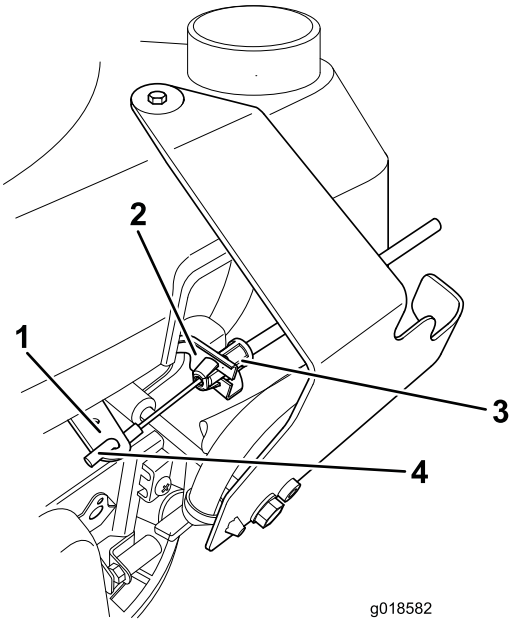



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**Figure 4**

1. Operator-presence control cable
2. Handwheel
3. U-bolt
4. Handlebar extension

7. Using the 2 handwheels and 2 U-bolts you removed in step 5, secure the upper handlebar to the handlebar extension (Figure 3).
8. Use the mounting fasteners you removed in step 2, secure the provided longer operator-presence control cable to the upper handlebar (Figure 1).
9. Connect the newly installed cable to the operator-presence bail bracket as shown in Figure 2.
10. Hook the loose cable fitting on the new cable into the flywheel brake lever, then pull the brake control cable taut and slide it into the bracket as shown in Figure 5.




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**Figure 5**

1. Flywheel brake lever
2. Bracket
3. Brake control cable
4. Loose cable fitting

11. Using the supplied cable ties, secure the cable to the handlebar upper and lower sections.
12. Operate the machine and ensure that the operator-presence bail shuts off the machine when it is released; refer to the HoverPro *Operator's Manual*.

    ***Important:*** **When you release the operator-presence bail, both the engine and cutting disc should stop within 3 seconds. If they do not stop properly, stop using your machine immediately and contact an Authorized Service Dealer or authorized Toro distributor.**

    **Note:** Use care when maneuvering the machine, the longer handle may make maneuvering more difficult.

    Be careful when moving or storing the unit to prevent the latching mechanism from breaking.




**Count on it.**