



# Electric Bed Lift Kit

## Workman® MD/MDX Utility Vehicle

Model No. 07335—Serial No. 310000001 and Up

Form No. 3364-460 Rev A

### 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>	Lift bracket, upper Flange head screw (5/16 x 3/4 inch) Lift actuator Clevis pin (2-1/4 inch) Cotter pin	1 4 1 1 1	Install the bed lift
<b>3</b>	Switch Thermal fuse, 15 amp Clevis pin (3-1/2 inch) Cotter pin Screw, tapered threads (#10-24 x 3/4 inch) Rubber pad	1 1 1 1 2 2	Install the switch

## 1

### Preparing the Machine

#### No Parts Required

#### Raising the Bed

#### ⚠ WARNING

If you leave the key in the ignition switch, someone could accidentally start the engine and seriously injure you or other bystanders.

Remove the key from the ignition switch before you do any maintenance.

#### ⚠ WARNING

A raised box could fall and injure persons that are working beneath it.

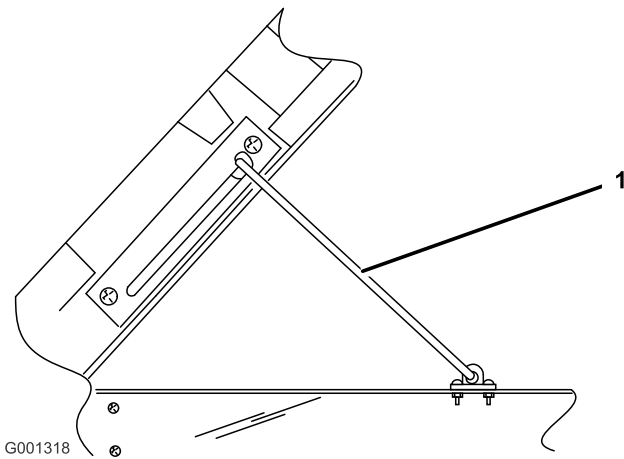
- Always use the prop rod to hold the box up before working under the box.
  - Remove any load material from the box before raising it.
1. Position the machine on a level surface. Set the parking brake, turn the ignition off, and remove the key.
  2. Raise the bed. Rotate the latch rod upward and raise the box with the other hand.
  3. Raise the box to its full height; then lower it slightly to engage the prop rod (Figure 1).

# 2

## Installing the Bed Lift

### Parts needed for this procedure:

1	Lift bracket, upper
4	Flange head screw (5/16 x 3/4 inch)
1	Lift actuator
1	Clevis pin (2-1/4 inch)
1	Cotter pin



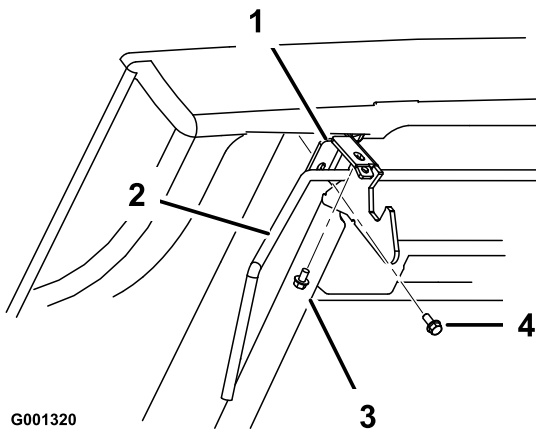
**Figure 1**

1. Prop rod

4. Disconnect the battery cables from the battery.
5. Remove the bracket securing the battery to the battery base. Lift the battery out of the battery base.

### Removing the Latch

Remove the two flange head screws securing each side of the latch rod bracket to the underside and front face of the box (Figure 2). Retain all parts for future use.

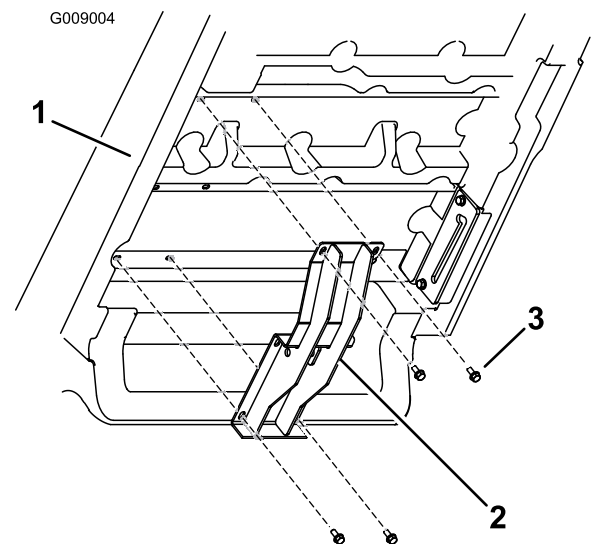


**Figure 2**

1. Latch rod bracket
2. Latch rod
3. Flange head screw, inside front face of box
4. Flange head screw, underside of box

### Procedure

1. Remove the screws from the braces on the underside of the box in the positions shown in (Figure 3).
2. Mount the upper lift bracket to the underside of the box with 4 flange head screws (5/16 x 3/4 inch) from loose parts and removed previously. Position the bracket as shown in Figure 3.

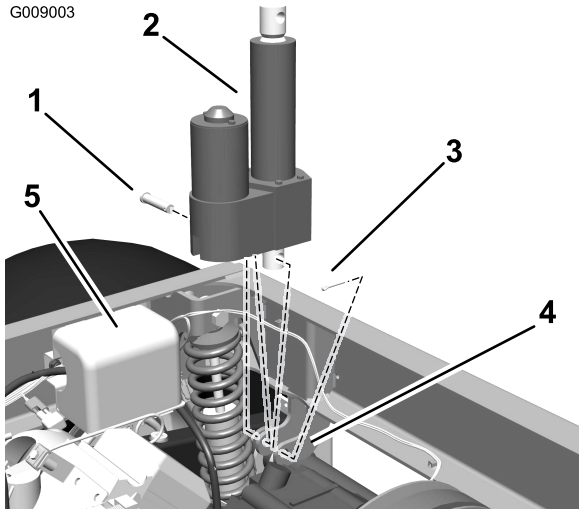


**Figure 3**

1. Bed
2. Upper lift bracket
3. Flange head screw, 5/16 x 3/4 inch

3. Locate the mounting arm on the vehicle frame. Mount the lift actuator to mounting arm. Use a clevis pin (2-1/4 inch) and cotter pin to secure the lift cylinder to the arm Figure 4.

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**Figure 4**

- |                            |                                |
|----------------------------|--------------------------------|
| 1. Clevis pin (2-1/4 inch) | 4. Mounting arm, vehicle frame |
| 2. Lift actuator           | 5. Electric control cover      |
| 3. Cotter pin              |                                |

# 3

## Installing the Switch

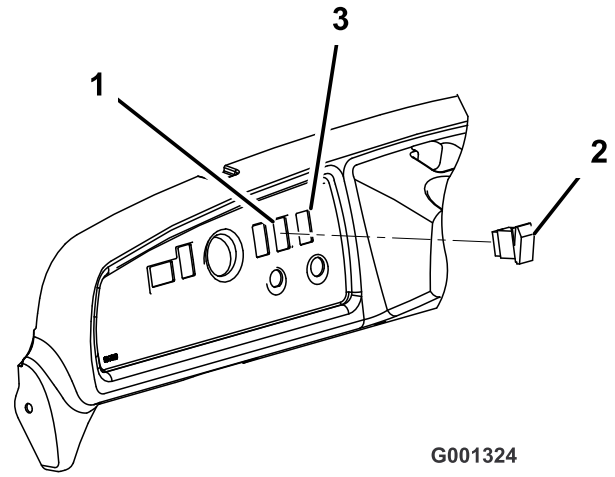
### Parts needed for this procedure:

1	Switch
1	Thermal fuse, 15 amp
1	Clevis pin (3-1/2 inch)
1	Cotter pin
2	Screw, tapered threads (#10-24 x 3/4 inch)
2	Rubber pad

### Procedure

1. Remove the plug from the hole in the right side of the dash (Figure 5).

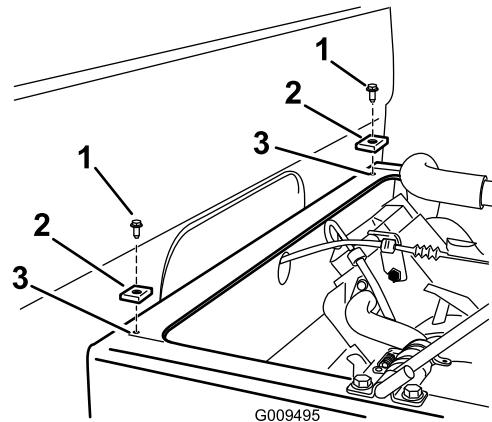
**Note:** If the hole in the dash is in use, measure over 1/2 inch (13 mm) and cut another 0.835 inch x 1.46 inch (21 mm x 35 mm) rectangular hole in the dash. Make sure not to damage any existing components behind the dash when cutting the hole.



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**Figure 5**

- |                 |                                |
|-----------------|--------------------------------|
| 1. Plugged hole | 3. Cut new hole (if required). |
| 2. Switch       |                                |
2. Plug the switch into the harness connector in the dash. Insert the switch into the hole in the dash (Figure 5).
  3. Install a new thermal fuse (15 amp) into the open slot in the fuse block.
  4. Plug the actuator harness into the vehicle harness connector, located near the electrical control cover located inside the right, rear of the vehicle frame.
  5. Install the battery and connect the cables.
  6. Press the switch upward to extend the actuator rod until it is aligned with the mounting holes in the upper lift bracket. Secure the rod to the bracket with the clevis pin (3-1/2 inch) and cotter pin.
  7. Install two rubber pads to the front of the frame using two screws (#10-24 x 3/4 inch) with tapered threads (Figure 6) at the holes shown.

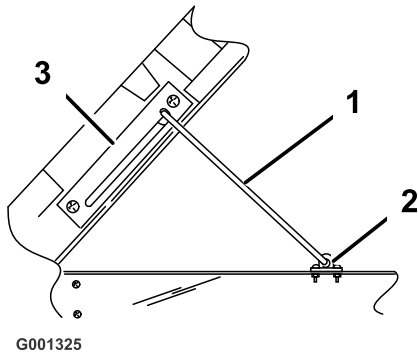


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**Figure 6**

- |   |                  |
|---|------------------|
| 1. Screw, tapered threads (#10-24 x 3/4 inch) | 3. Hole in frame |
| 2. Rubber pads                                |                  |

8. Remove the screws and clip securing the prop rod to the frame rail (Figure 7).



**Figure 7**

1. Prop rod
2. Prop rod clip
3. Prop rod bracket

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9. Remove the screws securing the prop rod bracket to the underside of the box. Remove the retainer securing the rod to the bracket and remove the rod (Figure 7). Retain the prop rod components for future use.

**Note:** If the electric box lift is ever removed, install the prop rod, prop rod clip, and prop rod bracket.

## Operation

**Important:** When a ratcheting noise is heard, the box lift is completely extended or retracted. Do not continue pressing the switch.

## Raising the Bed

### ⚠ WARNING

Driving the vehicle with the cargo box raised may cause the vehicle to tip or roll easier. The box structure may become damaged if the box is raised for an extended period of time while operating the vehicle.

- Only operate the vehicle when the cargo box is down.
- After a load has been dumped, lower the cargo box.

1. Turn the ignition key to the On position.
2. Push the top of the switch to raise the box.

## Lowering the Bed

### ⚠ CAUTION

The weight of the box may be heavy. Hands or other body parts could be crushed.

Keep hands and other body parts clear when lowering the box.

Push the bottom of the switch to lower the box.

**Important:** When a ratcheting noise is heard, the box lift is completely extended or retracted. Do not continue pressing the switch.

**Note:** The actuator may cause slight deformation to the bed after it is fully lowered and before the actuator clutch engages. Release the switch when a ratcheting noise is heard.