

# Light Kit

BM24357



**JOHN DEERE**

## INSTALLATION INSTRUCTIONS

### Light Kit

M169819 20NOV12 (ENGLISH)

Z235 and Z255 EZtrak

**John Deere Horicon Works**  
**M169819 (20NOV12)**

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Moline, Illinois

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M169819-19-20NOV12



### Parts in Kit

Quantity	Description
2	Light
2	Bracket, Light Mounting
1	Wiring Harness
2	U-Bolt
4	Locknuts, M8
1	Switch
1	Fuse, 7.5 Amp

**NOTE:** Retain these installation instructions with your machine operator's manual.

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### Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage mower blades or any other attachments.
3. Lower attachments to the ground.
4. Lock the park brake.
5. Stop the engine.
6. Remove the key.
7. Wait for engine and all moving parts to stop before you leave the operator seat.
8. Close fuel shutoff valve, if your machine is equipped.
9. Disconnect the negative battery cable or remove the spark plug wires (for gasoline engines) before servicing the machine.

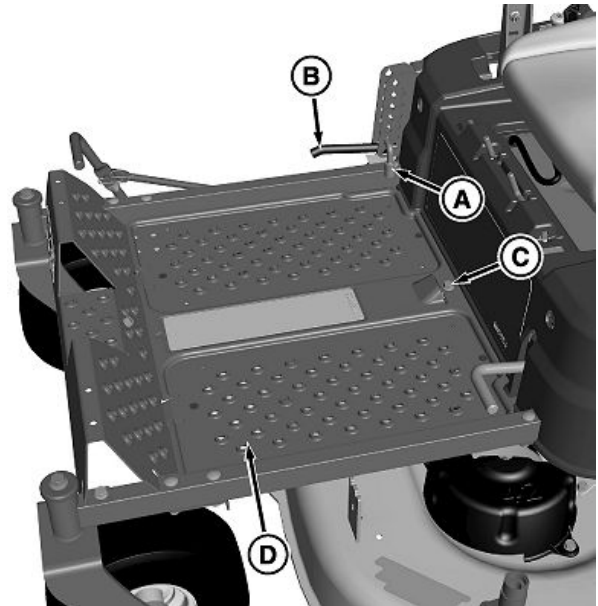
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### Prepare Machine

1. Remove pin (A) and lower mower deck lever (B) to lowest position.
2. Using pin (A), remove screw (C) and remove deck cover (D).

A—Pin  
B—Lever

C—Screw  
D—Deck Cover



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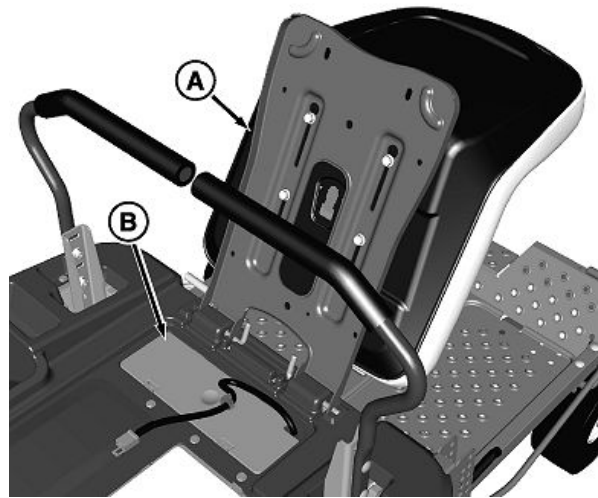
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3. Rotate seat (A) forward.
4. Remove storage cover (B).

A—Seat

B—Storage Cover



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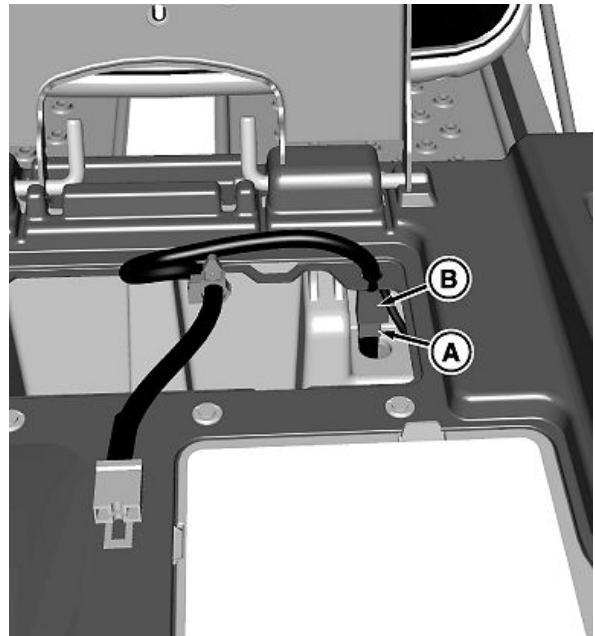
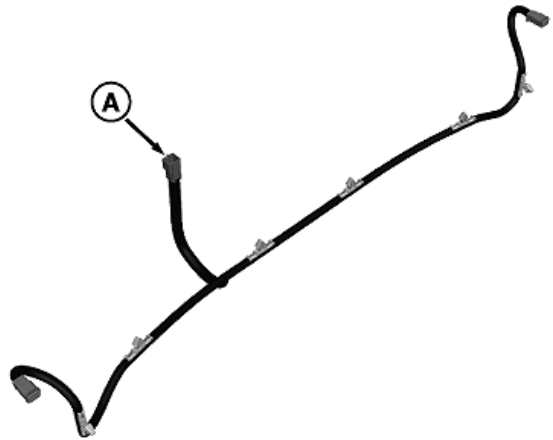
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### Install Wiring Harness

1. From bottom of machine, install connector (A) on light wiring harness through hole, as shown. Connect wiring harness connector (B) that is under storage compartment cover and install onto light wiring harness connector (A).
2. Install storage compartment cover and lower seat.

**A**—Connector, Light Wiring Harness

**B**—Connector, Main Wiring Harness



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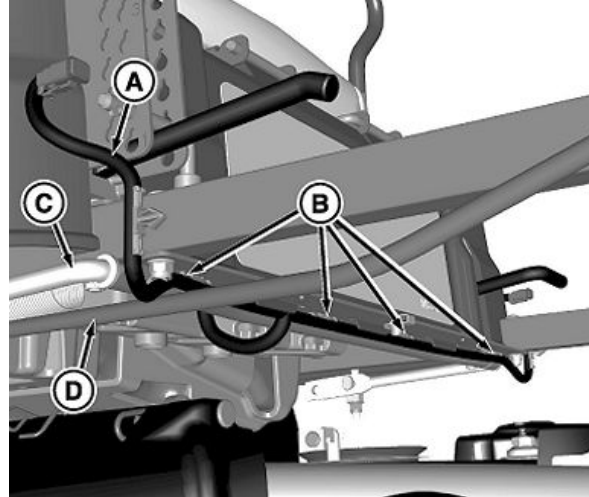
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**IMPORTANT:** Be certain harness is installed in front of cross member and rod (C) and above lift pedal rod (D) (if lift assist pedal is installed), as shown.

3.

Route the light harness (A) along the underside of the machine and secure with four plastic clips (B) on harness into holes in frame.

- |                    |                      |
|--------------------|----------------------|
| A—Light Harness    | C—Bracket, Draft Arm |
| B—Plastic Clip (4) | D—Rod, Lift Pedal    |



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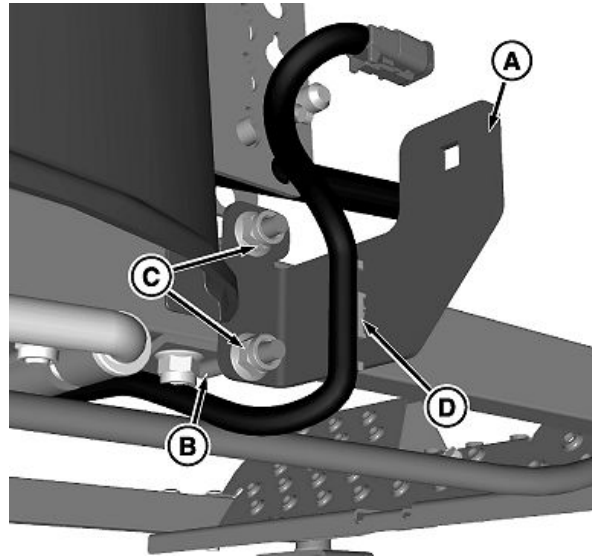
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### Install Brackets and Lights

*NOTE: U-bolts should be as close to the rear of the vehicle as possible while still in front of cross member.*

1. Install bracket (A) and U-bolt (B) around right side frame rail as shown. Secure with two M8 locknuts (C).
2. Install plastic clip (D) into round hole in bracket.

- |                           |                   |
|---------------------------|-------------------|
| A—Bracket, Light Mounting | C—Locknut, M8 (2) |
| B—U-Bolt                  | D—Plastic Clip    |



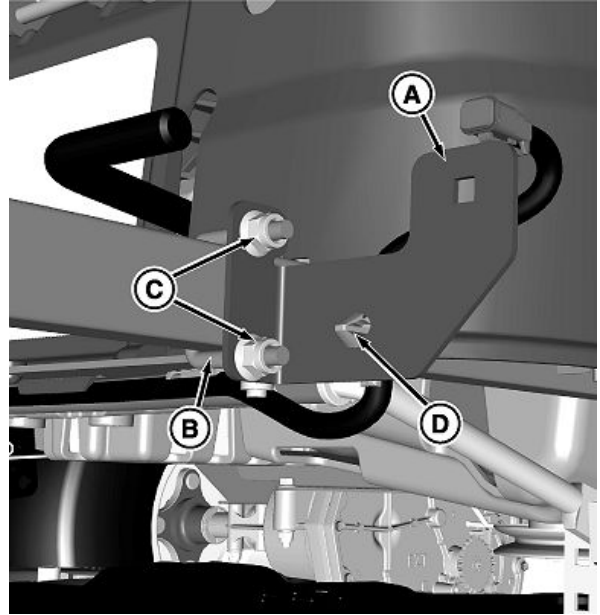
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3. Install bracket (A) and U-bolt (B) around left side frame rail as shown. Secure with two M8 locknuts (C).
4. Install plastic clip (D) into round hole in bracket.

**A—Bracket, Light Mounting**      **C—Locknut, M8 (2)**  
**B—U-Bolt**                              **D—Plastic Clip**

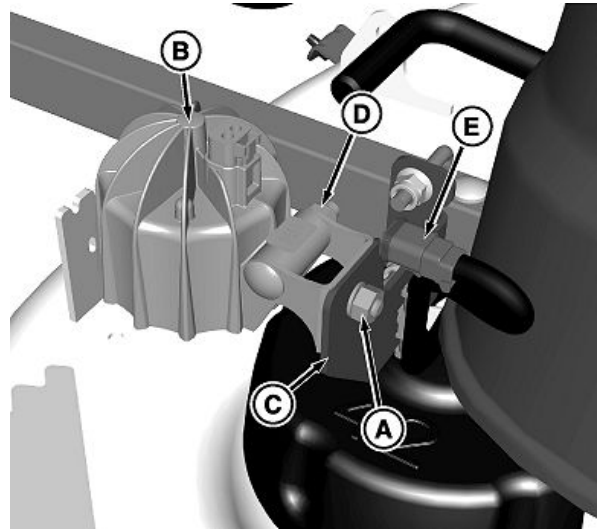


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5. Remove nut (A) from carriage bolt on the light (B).
6. Attach light with carriage bolt and nut onto square hole in mounting bracket (C).
7. Loosen locknut (D) on light and rotate light up.
8. Install light wiring connector (E) onto rear of light.

**A—Nut**    **D—Locknut**  
**B—Light**    **E—Connector, Light Wiring**  
**C—Mounting Bracket**



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9. Cut out section (A) on dash panel for switch.

**A—Cut Out Section**



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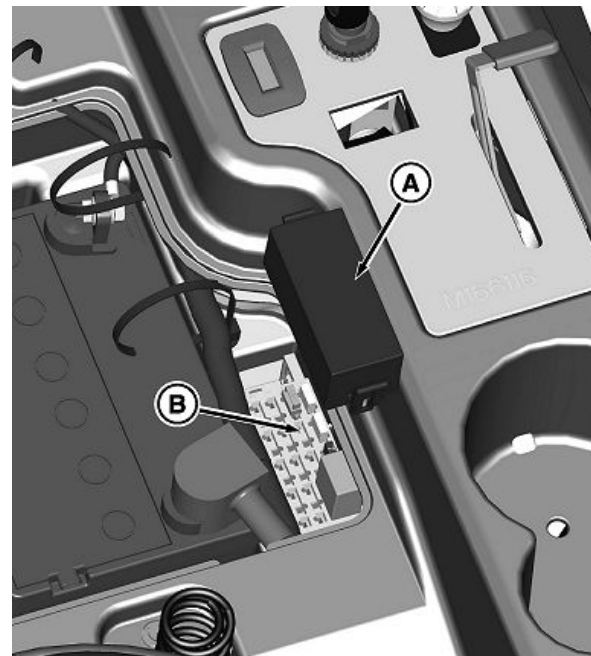
10. Raise operator's seat and remove battery compartment cover.

*NOTE: It is recommended the use of dielectric grease when installing the fuse. The grease can be found at your local John Deere dealer.*

11. Remove fuse block cover (A) and install 7.5 amp fuse at location (B).

**A—Cover, Fuse Block**

**B—Fuse Location**



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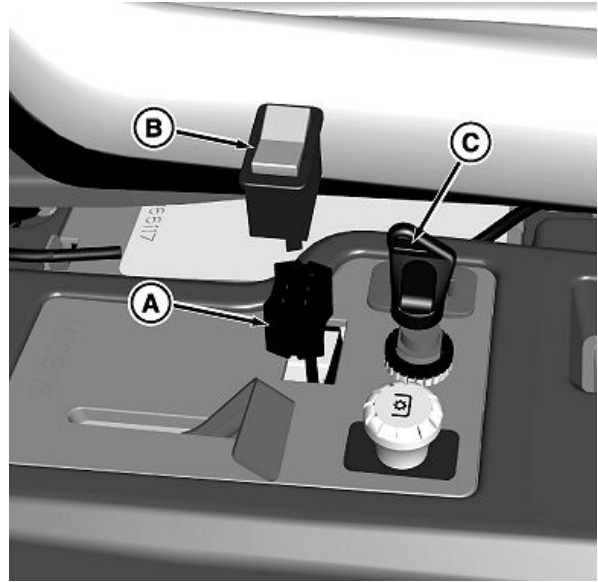
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**NOTE:** Loose end will be connected to main harness with a tie strap. Cut tie strap and raise wiring connector up through dash panel.

12. Reach underneath the plastic cover on the right side of the vehicle and locate main wiring harness connector (A).
13. Raise main harness connector (A) through hole cut out for switch.
14. Attach switch (B) onto connector (A). Do not install switch into control panel at this point.
15. Turn ignition switch key (C) to middle position (battery only).
16. Verify that turning switch to the light icon turns on the headlights.
  - a. If necessary, unplug switch and reverse orientation.
  - b. If lights flicker or do not illuminate, review connections at ends of harnesses.
17. After validation of switch orientation and light performance, press the switch fully into the dash.
18. Install deck access panel and secure with screw.
19. Sitting on your machine, turn on the lights and verify light spot pattern. If adjustment is needed, loosen



**A—Connector, Main Harness    C—Ignition Switch Key**  
**B—Switch**

locknut on longer carriage bolt on light, rotate light to desired location, and tighten locknut to secure position.

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