

Light Kit

BM21652



JOHN DEERE

INSTALLATION INSTRUCTIONS

Light Kit

M152761 09APR20 (ENGLISH)

4X2 HPX, 4X4 HPX, A1, A2, HPX615E, HPX815E, TE,
TH, TS, TX, XUV620i, XUV625i, XUV825E, XUV825i,
XUV825M, XUV850D, XUV855D, XUV855E, XUV855M
Gator™ Utility Vehicles

John Deere Horicon Works
M152761 (09APR20)

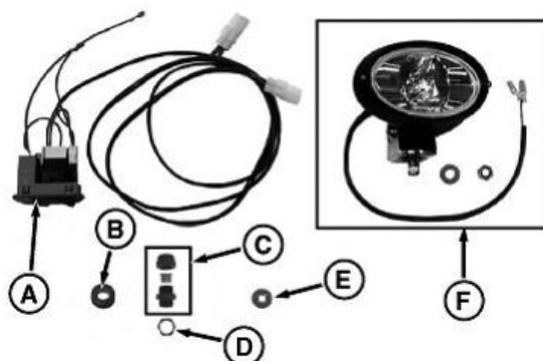
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Moline, Illinois

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M152761-19-09APR20

Parts in Kit

Quantity	Description
1	Switch and Harness Assembly (A) (includes fuse)
4	Grommet (B) (HPX only) (in the separate bag)
2	Weatherproof Fitting (C) (T-Series only) (in the separate bag - includes nut, bulkhead fitting, compression fitting, and sealing nut)
2	Jam Nut (D)
2	Sealing Washer (E) (T-series only) (in the separate bag)
1	Light Assembly (F) (includes hardware)



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

BVVMSIT,000022D -19-26MAR20-1/1

APY30667 —UN—26MAR20

Parking Safely

Park the machine safely. See Parking Safely in your Operator's Manual.

MX88017,0000007 -19-17OCT19-1/1

Prepare Machine

NOTE: The Electrical Kit must be installed before installation of this kit.

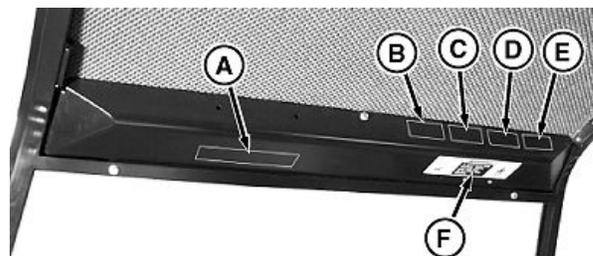
- Disconnect ground cables at negative (—) battery terminal.

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Prepare Roof Console for Wiring Installation

1. Verify correct switch/fuse holder position in the roof console.

- | | |
|---------------------------------------|--|
| A—Interior Light | D—Rear Work Light Switch/Fuse Holder |
| B—Windshield Wiper Switch/Fuse Holder | E—Beacon Light Switch/Fuse Holder |
| C—Front Work Light Switch/Fuse Holder | F—Ground Strip Location (Inside Console) |



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BVVMSIT,000022E -19-07APR20-1/2

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- Partially push in one corner of knockout (A) for the front work light switch for easy removal.

NOTE: Take the help of an assistant for supporting the console when lowering and securing it for wiring installation.

- Remove hardware retaining roof console and carefully lower console partway.
- Securely attach a tie strap (preferred - not included), section of wire, or other material through the upper (center) mounting hole in the console. The corresponding mounting hole in the canopy roof to support the console safely in a hanging position.
- The console switch and wiring can now be installed. If other electrical accessories are installed, perform all of the installations before assembling the console to the canopy.



A—Knockout

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Install Light Switch and Console Wiring

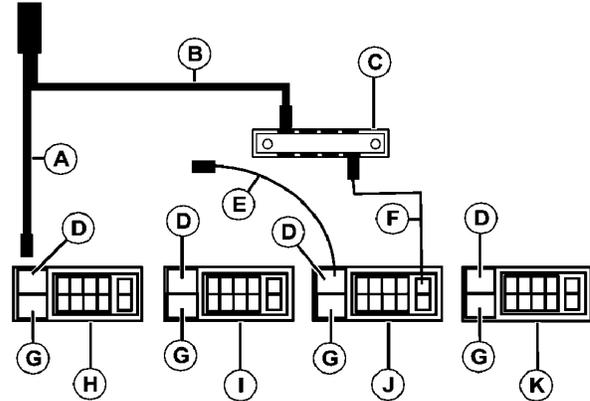
NOTE: Use dielectric grease or equivalent to all electrical connectors during assembly.

The rear work light switch (J) is supplied with the light wiring harness already installed into the proper terminal connectors at the switch. An installed jumper lead (red) (E) supplies power from the fuse terminal (G) to the switch, and a fuse is supplied in the fuse holder.

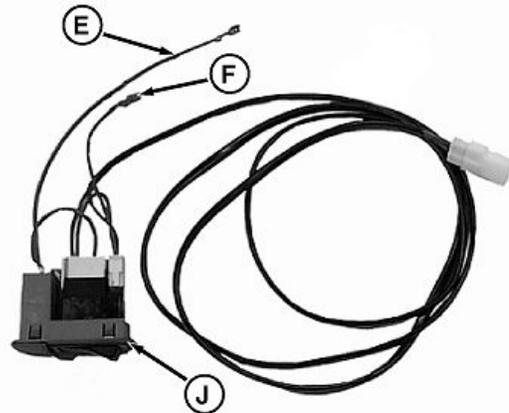
1. Install the harness assembly and switch into the console with the fuse positioned to the left side. Push to snap switch/fuse holder securely in position.

2. Connect wiring leads at console.

- If front work light switch (I) is installed, then the battery leads are already connected to the system power fuse terminal (D) on an existing switch. The battery ground (B) is connected to ground strip (C). Connect ground lead (F) from the rear work light switch (J) to a ground strip (C). Connect power lead (E) from the rear work light switch (J) to the system power fuse terminal (D) on the front work light switch (I). This connection supplies system voltage to the rear work light switch (J).
- If front work light switch (I) is not installed, but windshield wiper switch (H) or beacon light switch (K) is installed. Then the battery leads are already connected to an existing switch and ground strip (C). Connect ground lead (F) from the rear work light switch (J) to a ground strip (C). Connect jumper lead (E) from the rear work light switch (J) to the system power fuse terminal (D) on available switch.
- If interior light is installed but no other switches. Then the battery power lead (A) is connected directly to the interior light power terminal, and battery ground lead (B) is connected to ground strip (C). In this case, disconnect battery power lead (A) from interior light switch, and connect it to the system power fuse terminal (D) on the rear work light switch (J). Move the jumper lead (E) on the rear work light switch (J) to the fuse terminal (G) on the rear work light switch (J). Connect the other end to power terminal on interior light switch where battery lead was connected earlier. These connections supply system power to the fuse on the rear work light and fused power from the rear work light to the interior light. Connect ground lead (F) on the rear work light to the ground strip (C).
- If no other switches or interior light is installed, remove the jumper lead (E) from the rear work light switch (J) at the fuse terminal (D). Connect red power lead (A) from the battery in its place. Connect the ground lead (F) to the ground strip (C).



Console wiring reference. Note position of switches and ground strip. Ground strip is toward front of machine when console is installed.



Rear work light switch/fuse holder and wiring harness before installation.

- | | |
|--|---|
| A—Battery Power Lead (red) (large diameter wire) | G—Fuse Terminal (two connectors per terminal) |
| B—Battery Ground Lead (brown) (large diameter wire) | H—Windshield Wiper Switch/Fuse (7.5A Fuse) (if installed) |
| C—Ground Strip (common for all console ground leads) | I—Front Work Light Switch (10A Fuse) (if installed) |
| D—System Power Fuse Terminal (two connectors per terminal) | J—Rear Work Light Switch (5A Fuse) |
| E—Jumper Lead (red) (from rear work light switch fuse terminal). | K—Beacon Light Switch (5A Fuse) (if installed) |
| F—Ground Lead (brown) (from rear work light switch) | |

3. Coil switch harness on console for routing in a later step.

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Install Work Light

1. Remove nut (A), and spring washer (B) from work light (C) and retain for later use.

NOTE: The supplied weatherproof fitting is one of the two shown. The alternate fitting (D) does not have a separate compression bushing.

Sealing washer (E) is only used on T-series machines.

2. Open the bag of parts containing the weatherproof fitting, disassemble the fitting. Install the sealing nut (F), compression bushing (G) (if present), and fitting (H) onto light harness, as shown. Retain the nut (I) for later use.

- | | |
|------------------|-----------------------|
| A—Nut | F—Sealing Nut |
| B—Spring Washer | G—Compression Bushing |
| C—Work Light | H—Fitting |
| D—Fitting | I—Nut |
| E—Sealing Washer | |



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Install Work Light Assembly on HPX Series Machines

1. Install work light assembly to the bracket (A) at right rear corner of canopy roof, as shown. Secure with the spring washer and nut (B), removed earlier.
2. Remove rubber sealing plug. Route harness as desired and install through the hole (C) available on the canopy roof. Adjust length of harness at outside of canopy roof and eliminate excess. Then slide weatherproof fitting to access hole in canopy roof, secure on the inside of the canopy roof with the jam nut, and tighten sealing nut.

- | | |
|-----------|--------|
| A—Bracket | C—Hole |
| B—Nut | |



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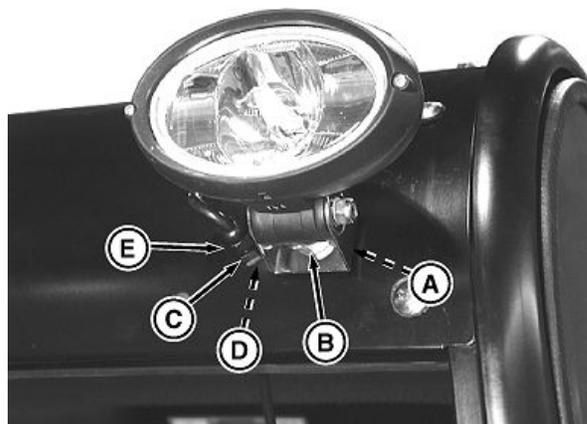
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Install Work Light Assembly on T-Series Machines

1. Remove two rubber plugs in the right rear of the cab roof.
2. Install work light bracket to canopy roof with sealing washer (A) onto the bolt (B). The washer creates seal between the work light bracket and canopy roof. On the inside of a cab roof, secure with spring washer and nylock nut, removed earlier.
3. Install wiring with the weatherproof fitting into the hole (D) available on the cab roof. Secure with nut (C), and tighten the sealing nut (E).

A—Sealing Washer
 B—Bolt
 C—Nut
 D—Hole
 E—Sealing Nut



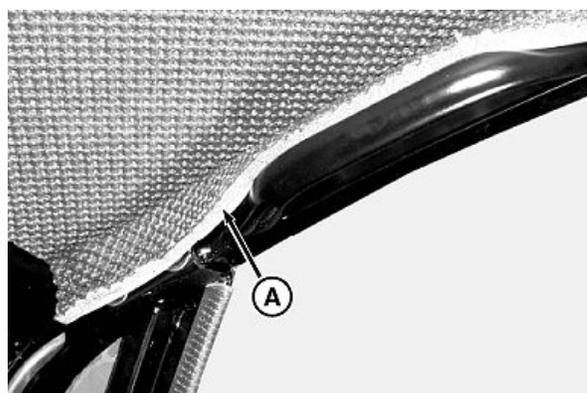
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Complete Installation and Test Operation

1. Peel back edge of roof padding (A) from the right side of a canopy and route wire harness of the work light.
2. Loosely route harness from the work light switch along the edge of roof under padding to back of canopy. There is excess wire and routing can be completed in a later step.

A—Roof Padding

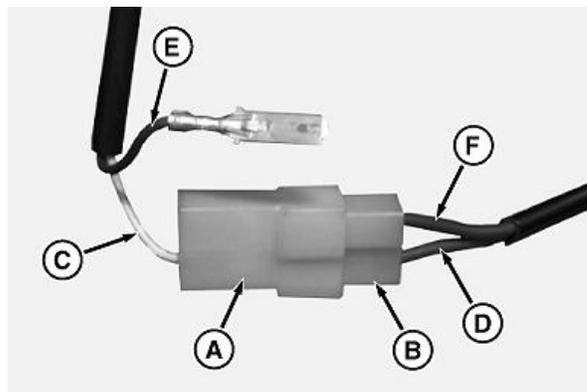


HPX Vehicle Shown

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3. Insert the work light wiring leads into the female connector (A), which is already attached to the wiring harness connector (B) of light switch:
 - a. Insert the white lead (C) from the work light harness partway into the connector cavity corresponding to the red lead (D) from the switch wiring harness. Then pull apart connectors (A), and (B). Insert white lead (C) firmly into connector (A) until it snaps into position. Pull lightly to make sure that it is locked in place.
 - b. Insert the black lead (E) from the work light harness into the remaining connector (A) cavity, corresponding to the brown lead (F) from the switch wiring harness. Push terminal firmly into connector (A) until it snaps into position. Pull lightly to make sure that it is locked in place.
 - c. Plug connector (B) firmly into connector (A).



A—Connector
 B—Connector
 C—White Lead
 D—Red Lead
 E—Black Lead
 F—Brown Lead

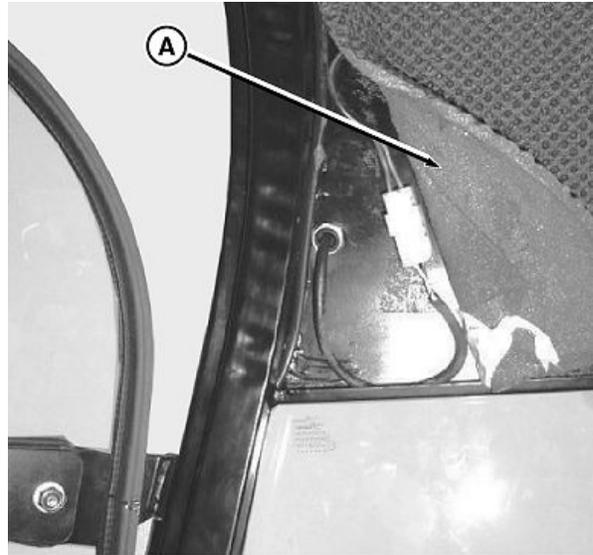
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- Loop the connected harnesses against the right rear corner of the canopy, as shown, and secure the position by covering with roof padding (A).

A—Roof Padding



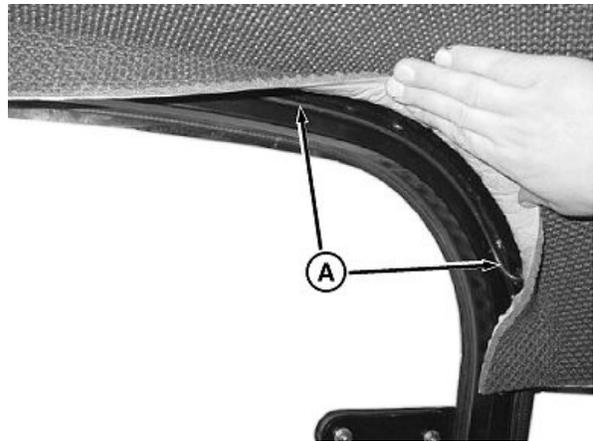
HPX Vehicle Shown

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BVVMSIT,0000231 -19-06APR20-3/5

- Route switch harness (A) from rear corner of the canopy to roof console. Insert the harness into the channel at the inside edge of the right door frame. Excess harness can be carefully looped inside roof console.
- Remove material temporarily supporting console and install console using hardware removed earlier.
- Secure roof padding in original location to cover wiring.
- Connect ground leads at the battery.

A—Switch Harness



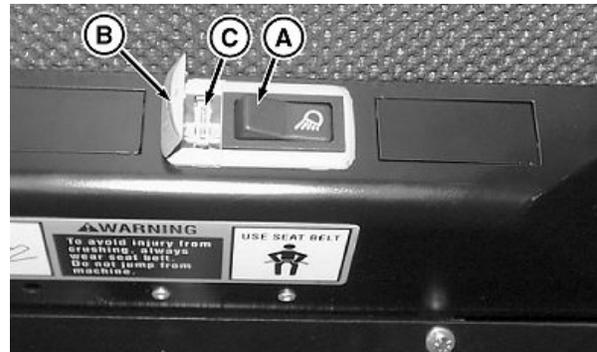
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- Test rocker switch (A), and lamp for proper operation (ignition key must be on). Access door (B) which covers the fuse (C).

A—Rocker Switch
B—Door

C—Fuse (5A)



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Replace Work Light Bulb

1. Remove lens cover and lens.
2. Remove work light bulb.
3. Replace bulb, lens, and lens cover.
4. Test for proper operation.

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