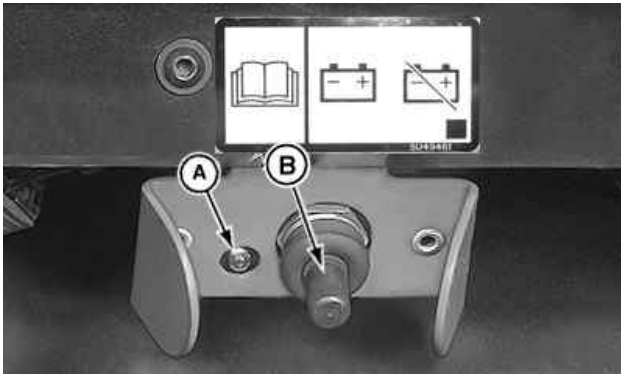


Electrical and Lighting Operation

Disconnect Battery Connection Cab (Pre-Installed)



A—Indicator Light
B—Battery Cut-off Switch

CAUTION: Never switch off power at battery while engine is running! Damage to tractor electronics is possible and voltage peaks at alternator can be dangerous.

IMPORTANT: When storing for a long period, turn the battery cut-off switch to OFF position (tractor electrical system disconnected from battery power supply). Battery discharges if tractor is not used and battery cut-off is in ON position.

NOTE: Wait until the LED stops blinking and is off before activating the battery cut-off switch. The LED indicates the state of the engine control unit.

This switch allows power from battery to be cut off from rest of the electrical system. Ignition switch **MUST** be in OFF position.

Activate battery cut-off switch (disconnect battery from the electrical system):

1. Stop tractor, and engage park lock.
2. Turn off key switch and wait approximately 30 seconds. During this time, the green indicator light (A) of the battery cut-off switch flashes.
3. After approximately 30 seconds, flashing will stop and a green indicator light will glow continuously.

IMPORTANT: The battery cut-off switch cannot be activated as long as the green indicator light is flashing.

4. Activate battery cut-off switch (disconnect battery from the electrical system) by pushing the spring loaded battery cut-off switch (B) to the right (off position).
5. Switch springs back to center position and green indicator light turns off.

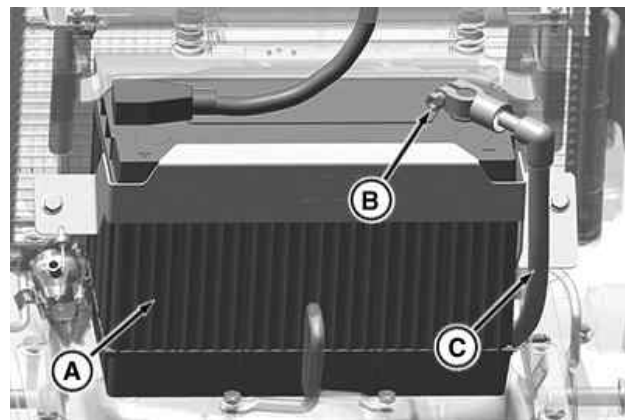
The LED on the disconnect switch shows the state of the ECU and DEF evacuation.

- LED ON : ECU ON
- LED BLINKING : DEF System Evacuating
- LED OFF : ECU is Powered Down

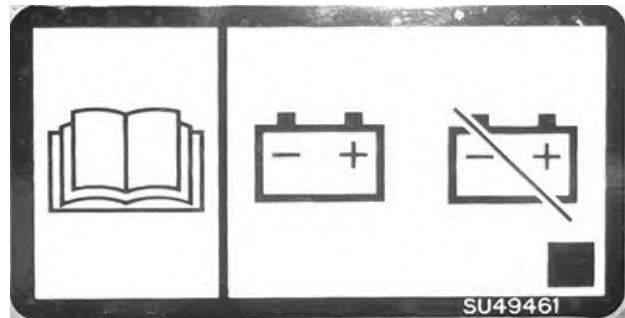
LGCKF7U,0000BC0-19-11JUN21

Disconnect Battery Connection (Cab and IOOS)

CAUTION: To avoid sparks, disconnect negative (ground) cable first and connect it last.



APY33154—UN—08JUN20



Label

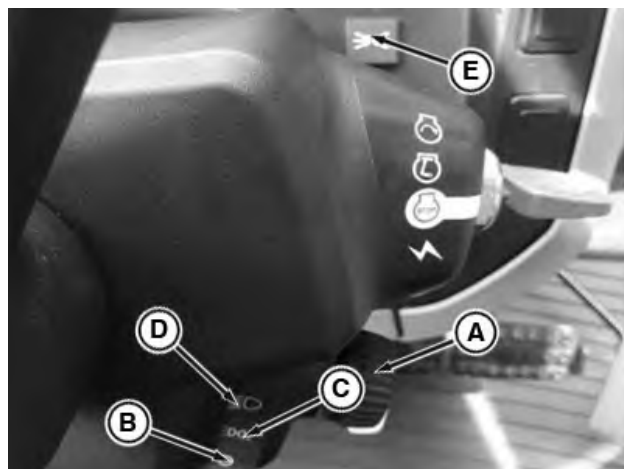
APY33155—UN—08JUN20

A—Battery
B—Shoulder Nut
C—Negative Terminal

1. Raise hood.
2. Remove the rubber boot from the negative (—) battery cable.
3. With the help of a spanner, remove the shoulder nut (B) to remove the negative terminal (C) of the battery (A).

HK75640,0000FCF-19-14SEP20

Light Switch



A—Light Switch
B—Off Position
C—Park Position

APY40986—UN—07DEC20

D—Road Light Position
E—Indicator Light

CAUTION: Use lights in park or road position while operating on public roadways during day or night.

Do NOT operate the machine on public roadways with worklights on. Other machine operators can be blinded or confused, impairing their driving ability.

NOTE: When the headlights turn on, the indicator light (E) will illuminate to indicate that headlights are on.

Rotate light switch (A) from the off position (B) forward to park position (C) to turn clearance and tail lights on. Rotate light switch to road light position (D) to turn on headlights in addition to clearance and tail lights. Turn on additional worklights with the worklight switch.

Switch Position	Use	Clearance Lights	Tail Lights Red	Headlights Front Grille	Indicator Light
B—Off	Field, Day	Off	Off	Off	Off
C—Park	On Road, Night	On	On	Off	On
D—Road	Field, Night	On	On	On	On

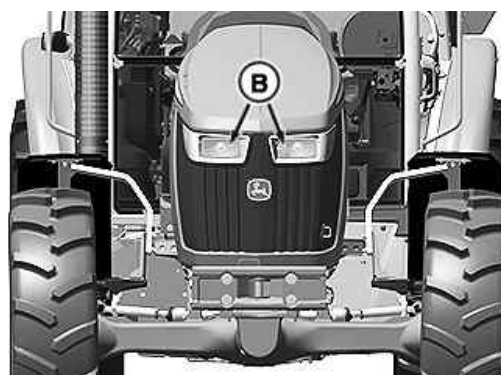
LGCKF7U,0000DDD-19-11JUN21

Headlights



Horn/Headlight Control/Turn Signal Lever

APY33156—UN—08JUN20



A—Horn/Headlight Control/Turn Signal Lever
B—Headlights

RXA0157953—UN—03MAR17

CAUTION: Dim headlights to low beam for oncoming vehicles. Other machine operators can be blinded or confused, impairing their driving ability.

Push lever (A) forward to illuminate high beam headlights (B). High beam indicator illuminates on the primary display. Pull lever into center position to switch to the low beam lights.

Operate flash-to-pass function by pulling lever rearward and releasing momentarily to activate high beams.

Lever Position	High Beam	Low Beam
Normal (Center)	Off	On
Forward	On	Off
Rear (Flash-to-Pass)	On	On

HK75640,0000FD1-19-14SEP20



RXA0158640—UN—26APR17

- A—Auxiliary Driving Light Assembly
- B—Auxiliary Driving Lights On Position
- C—Auxiliary Driving Lights Off Position
- D—Road Lights Position

Auxiliary driving lights can be used as an alternative for obscured driving headlights mounted in the front grille.

NOTE: Auxiliary light arms swing toward the loader frame for storage. Auxiliary driving lights are only available with loader.

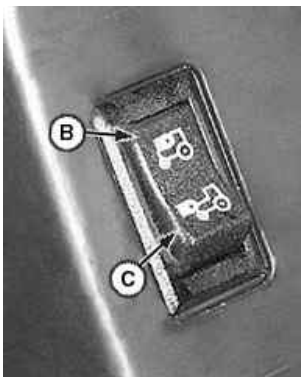
Loader Lights



LV9465—UN—03SEP04



LV15963—UN—10AUG12

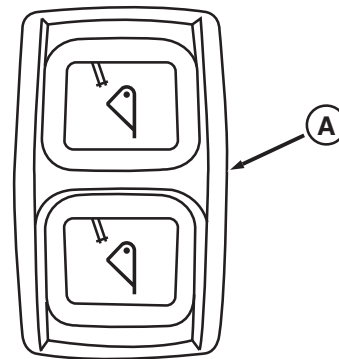


LV14361—UN—20MAY11

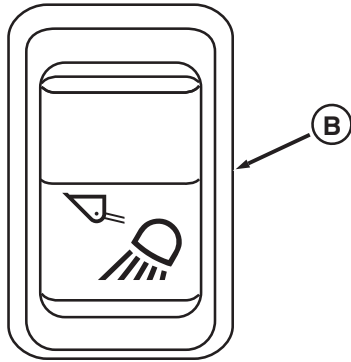
Auxiliary Light Switch	Main Light Switch	Auxiliary Driving Lights	Grille Headlights
B—On	D—Road	On	Off
C—Off	D—Road	Off	On

HK75640,0000FD2-19-14SEP20

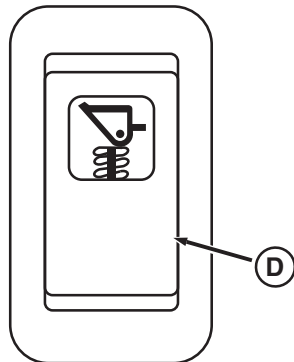
Bucket Lights



RXA0161635—UN—05JAN18



RXA0161636—UN—05JAN18



RXA0161638—UN—05JAN18



RXA0158262—UN—14MAR17

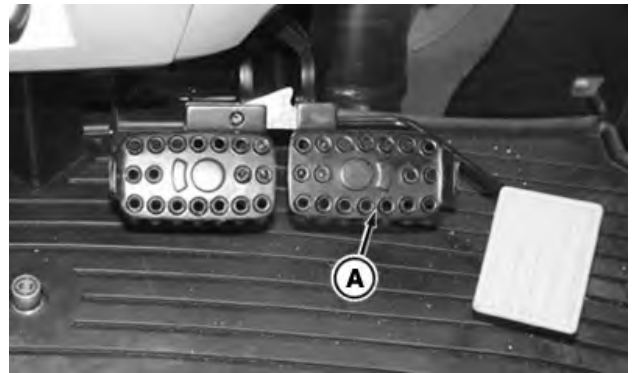
- A—Bucket Attach/Detach Switch
- B—Bucket Light Switch
- C—Bucket Lights
- D—Loader Suspension Switch

Bucket lights (C) are on the loader mast and illuminate the bucket and contents no matter how the loader is positioned.

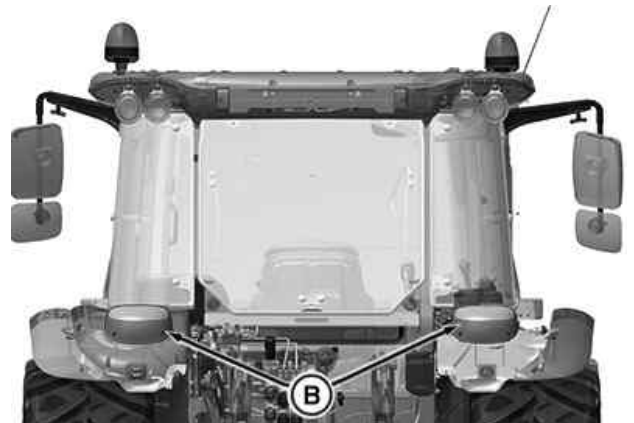
See relevant loader operator's manual for bucket attach/detach switch (A), bucket light switch (B), and loader suspension switch (D).

HK75640,0000FD3-19-14SEP20

Tail and Brake Lights

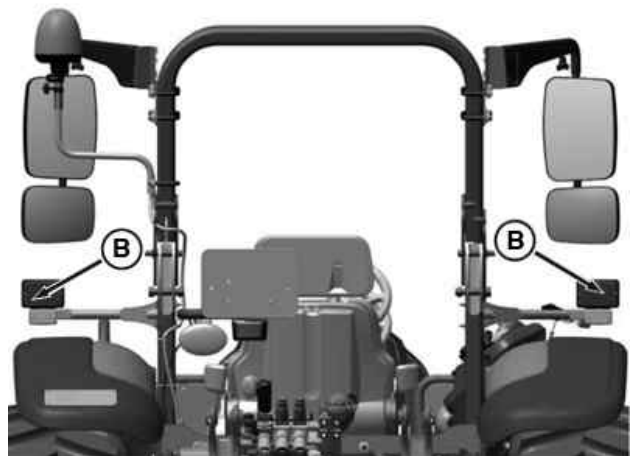


RXA0153629—UN—30AUG16



APY33174—UN—08JUN20

Cab



APY62912—UN—18JUL21

OOS

- A—Brake Pedals
- B—Tail and Brake Lights

Tail and brake lights (B) both illuminate the same dual intensity bulb. When the light switch is in park or road position, the tail light portion illuminates.

If one or both brake pedals (A) are depressed, the intensity of the light increases since both filaments are illuminated.

LGCKF7U,0000CE4-19-16JUN21

Turn Signals



APY33156—UN—08JUN20

primary display flashes to indicate turn signal lever and lights are on.

Return lever to center position after completing turn.

When operating in the field, hazard lights do not have to be used. The table below describes turn signal function without the hazard lights.

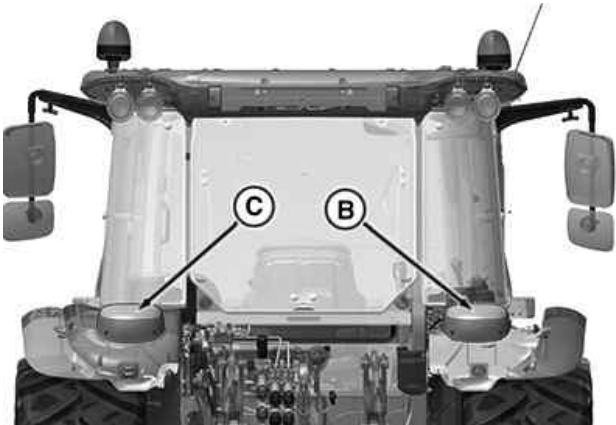
Turn Signal Lever Position	Right Turn Signal (B)	Left Turn Signal (C)
Off	Off	Off
Up	On Flashing	Off
Down	Off	On Flashing

LGCKF7U,0000CE5-19-16JUN21

Hazard Lights

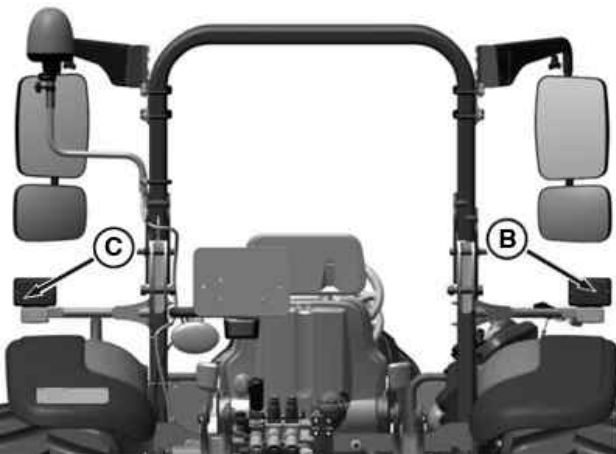
When operating on the road or in the field, hazard lights must be used in conjunction with turn signals. The table below describes turn signal function based upon those conditions.

Turn Signal Lever Position	Right Turn Signal (B)	Left Turn Signal (C)	Right Hazard Light (E)	Left Hazard Light (D)
Off	Off	Off	Off	Off
Up	On Flashing	Off	On Flashing	Off
Down	Off	On Flashing	Off	On Flashing



APY33176—UN—08JUN20

Cab Rear



APY62913—UN—18JUL21

OOS Rear



RXA0158642—UN—26APR17

Cab-Front

- A—Horn/Headlight Control/Turn Signal Lever
- B—Right Turn Signal
- C—Left Turn Signal

CAUTION: Always use turn signals when making a turn on public roadways during day or night.

Push lever (A) up for right turn, or pull down for left turn. Audible chirping sound starts. Turn signal icon on



RXA0158643—UN—26APR17

Cab-Rear



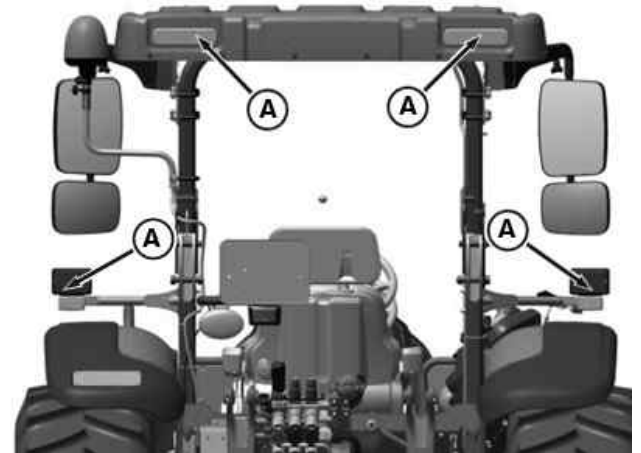
APY62905—UN—11JUN21

OOS with Canopy-Front



APY62902—UN—11JUN21

OOS-Front



APY62904—UN—11JUN21

OOS with Canopy-Rear



APY62903—UN—11JUN21

OOS-Rear



APY33178—UN—08JUN20

Hazard Switch



RXA0158644—UN—26APR17

- A—Front Hazard Lights
- B—Rear Hazard Lights
- C—Hazard Light Switch

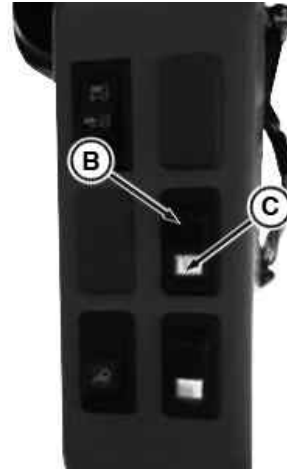
CAUTION: Use hazard lights on public roadways during day or night.

NOTE: Hazard lights operate anytime light switch is in the hazard position (C), regardless of key position.

Turn on the hazard light switch (C) to illuminate front and rear hazard lights (A and B). Flip hazard light switch to the off position to turn off hazard lights.

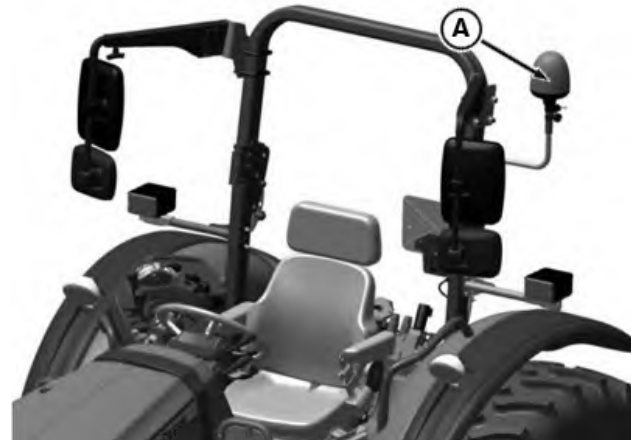
Additional loader-mounted hazard lights can be added to OOS tractors equipped with loaders.

LGCKF7U,0000DDE-19-11JUN21



Cab

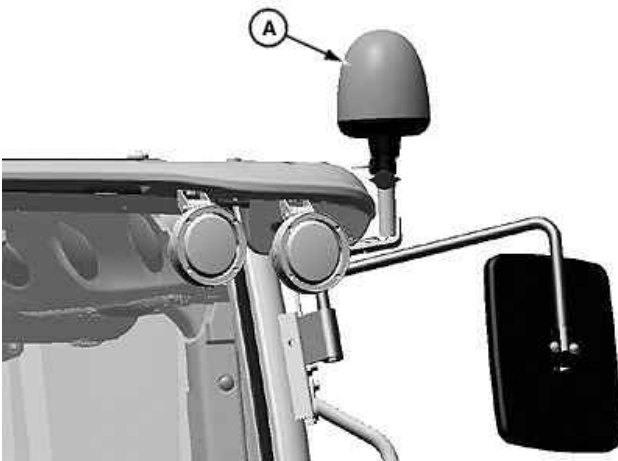
APY47902—UN—14DEC20



OOS

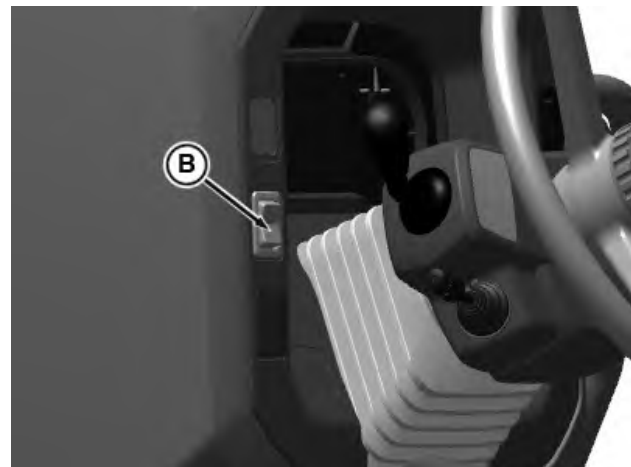
APY62906—UN—11JUN21

Beacon Lights



Cab

LV15967—UN—10AUG12



OOS

APY40969—UN—18NOV20

- A—Beacon Light
- B—Beacon Light Switch
- C—Indicator Light

CAUTION: Use beacon lights on public roadways as required by local traffic laws or regulations.

NOTE: The indicator light (C) in beacon light switch (B) will illuminate when the beacon light is switched on.

1. Depress beacon light switch (B) to activate beacon light (A).
2. Beacon light assembly can be removed if desired to prevent damage.
 - a. Loosen wing nut and lift light from tube.
 - b. To protect the light socket, install cap on tube end.

LGCKF7U,0000DDF-19-11JUN21



APY62911—UN—18JUL21

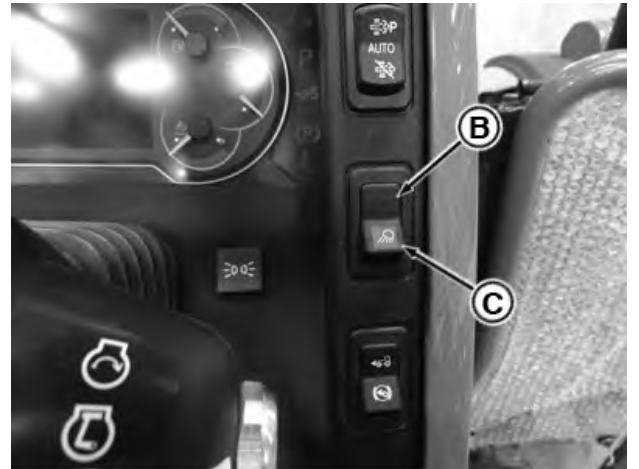
OOS

Front Worklights



RXA0159109—UN—04MAY17

Cab



APY40989—UN—07DEC20

OOS

- A—Front Worklights
- B—Front Worklights Switch
- C—Back-Light

CAUTION: Do not use worklights on public roadways unless allowed by local traffic laws or regulations.

NOTE: The back-light (C) will illuminate in the front worklights switch (B), when the front worklight (A) are switched on.

NOTE: Cab is shown with two front worklights. Two additional front worklights can be added and work in conjunction with the two shown.

Press front worklight switch (B) to illuminate front worklights (A). Depress to turn off lights.

LGCKF7U,0000DE0-19-11JUN21



APY40983—UN—07DEC20

Cab

Rear Worklights



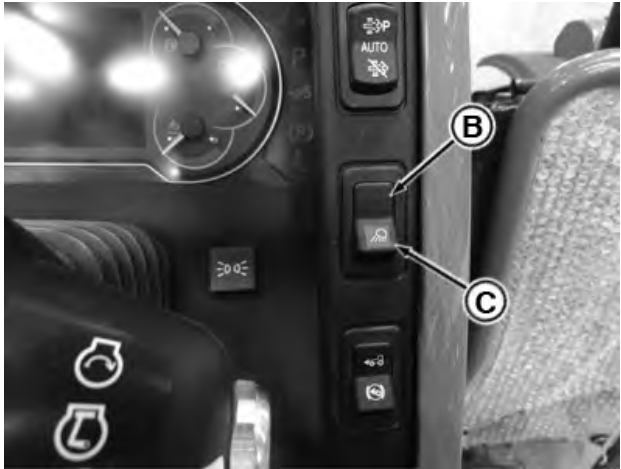
Cab

RXA0159110—UN—04MAY17



Cab

APY40984—UN—07DEC20



OOS

APY40989—UN—07DEC20

- A—Rear Worklights
- B—Rear Worklights Switch
- C—Back-Light

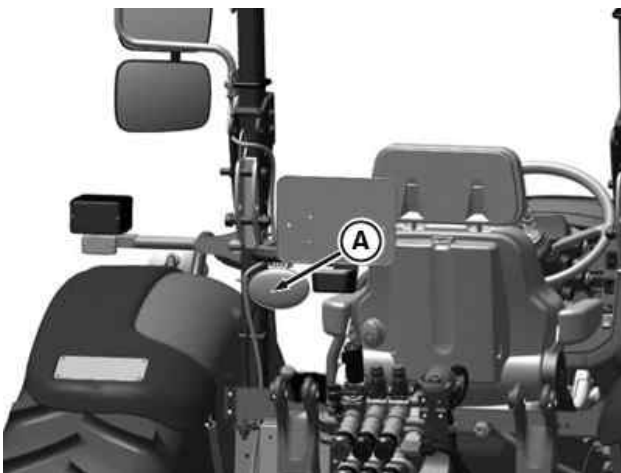
CAUTION: Do not use worklights on public roadways unless allowed by local traffic laws or regulations.

NOTE: The back-light (C) will illuminate in the rear worklights switch (B), when the rear worklight (A) are switch on.

NOTE: Cab is shown with two rear worklights. Two additional rear worklights can be added and work in conjunction with the two shown.

Press rear worklight switch (B) to illuminate rear worklights (A). Depress to turn off lights.

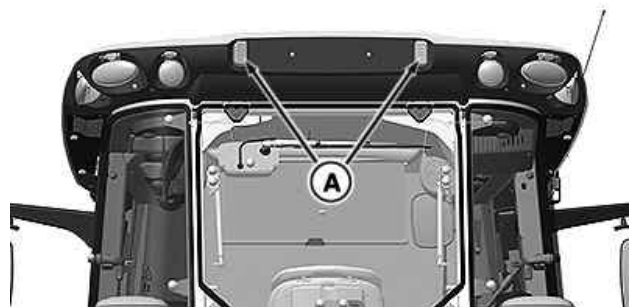
LGCKF7U,0000DE1-19-11JUN21



OOS

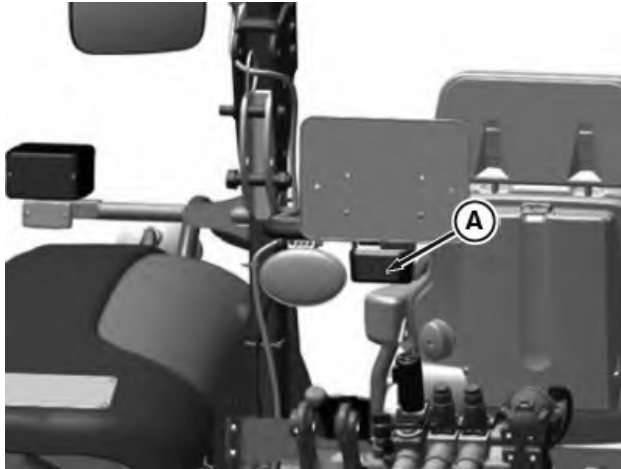
APY62910—UN—18JUL21

License Plate Lights



Cab

RXA0155768—UN—16NOV16



OOS

APY62907—UN—11JUN21

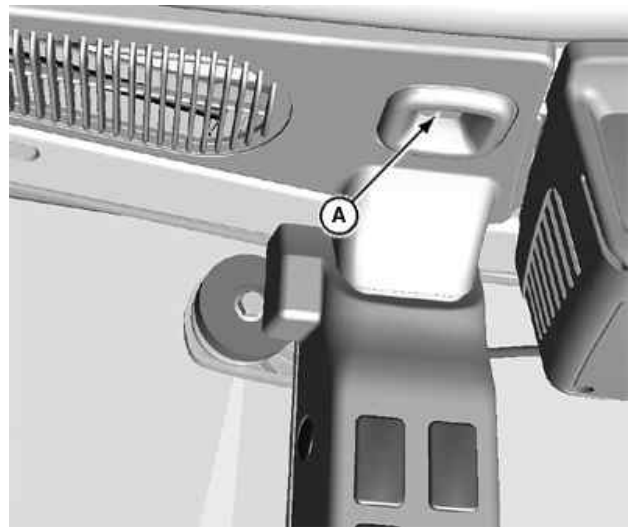
IMPORTANT: Before exiting cab, turn dome light to Off or Door position to avoid causing battery to lose its charge.

Dome light switch (A) has three positions:

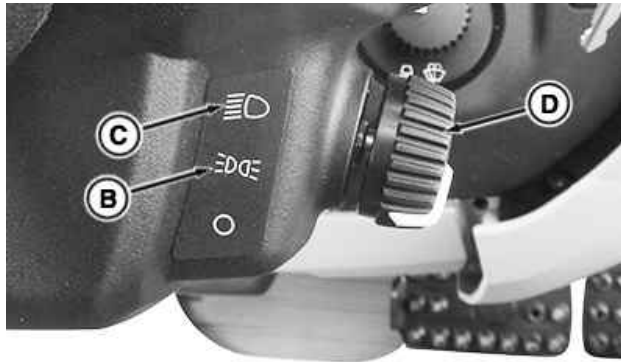
- Left (on) - light always on.
- Right (door) - light on with door open or light off with door closed.
- Center (off) - light always off.

HK75640,0000FDB-19-14SEP20

Right-Hand Console Light



LV21961—UN—30MAY14



RXA0159115—UN—04MAY17

A—License Plate Lights
B—Park Position
C—Road Position
D—Light Switch

License plate lights (A) illuminate the license plate when light switch (D) is in the park position (B) or road position (C).

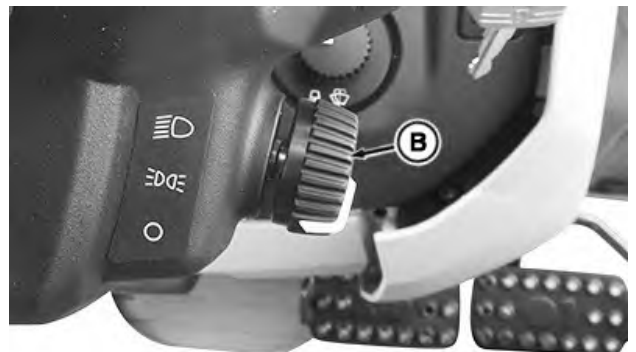
LGCKF7U,0000DE2-19-11JUN21

Dome Light



LV8418—UN—14JUL03

A—Dome Light Switch



RXA0159116—UN—04MAY17

A—Right-Hand Console Light
B—Light Switch

The right-hand console light (A) is only on when the light switch (B) is in park or road position.

HK75640,0000FDC-19-14SEP20

Horn



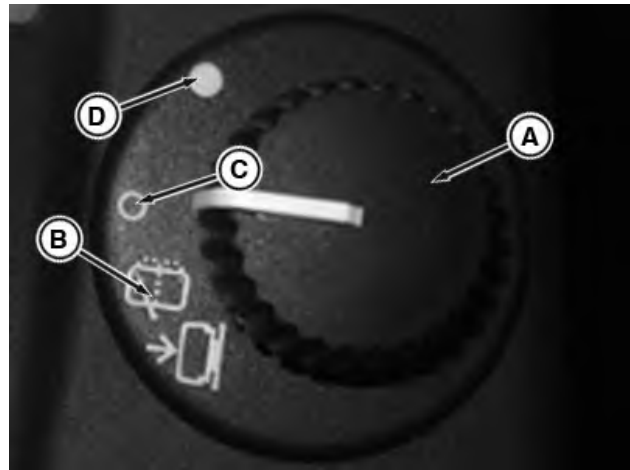
RXA0158252—UN—10MAR17

A—Horn/Headlight Control/Turn Signal Lever

Push in on end of lever (A) to blow horn.

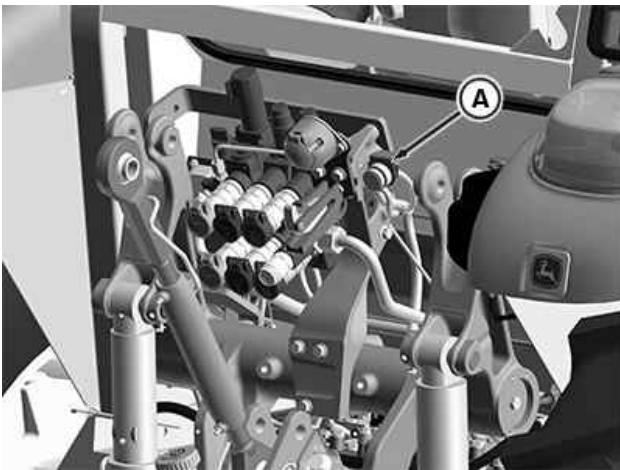
HK75640,0000FDD-19-14SEP20

Front Wiper and Washer



APY40987—UN—07DEC20

Backup Alarm (If Equipped)



PY42053—UN—14MAY17

A—Backup Alarm

Backup alarm (A) sounds off when the key switch is in the on position and the left-hand reverser lever or range shift lever is in reverse position.

Backup alarm beeps to alert anyone near that machine is traveling in reverse.

LGCKF7U,0000BC7-19-10MAY21



APY40997—UN—26APR21



APY62908—UN—18JUL21

- A—Front Wiper/Washer Knob
- B—Washer
- C—Off
- D—On
- F—Front Wiper
- G—Washer Fluid Reservoir

Wiper/washer knob (A) has three positions:

- Off (C)

- Washer (B)
- On (D)

Rotate knob forward (clockwise) to increase speed of the front wiper (F). Rotate rearward (counterclockwise) to slow or shut off. Push knob inward (B) to operate front washer.

Washer fluid reservoir (G) is located behind the right-hand cab corner. Fill reservoir with windshield washer fluid as required. In cold climates, fill with non-freezing windshield washer fluid. Reservoir supplies both the front and rear wipers.

LGCKF7U,0000DE3-19-11JUN21

wiper (B). Place in top position to operate the washer and wiper at the same time.

HK75640,0000FE0-19-14SEP20

Auxiliary Input and USB Port



RXA0158256—UN—14MAR17

A—Auxiliary Input
B—USB Port

Different external audio sources can be connected to the auxiliary input (A).

USB port (B) allows operator to connect data transfer devices to the radio.

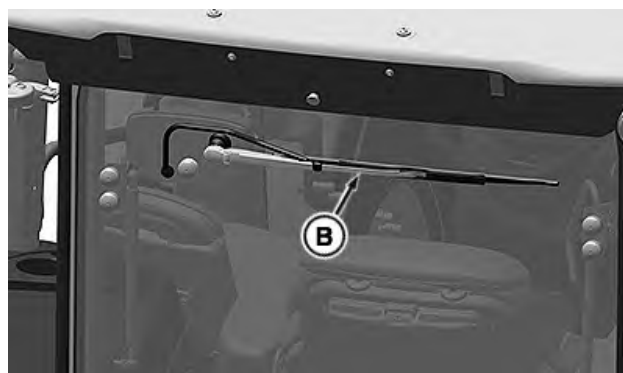
Refer to your specific radio reference manuals for more information about operation.

HK75640,0000FE1-19-14SEP20

Rear Wiper and Washer



LV14518—UN—02AUG11



RXA0153610—UN—30AUG16

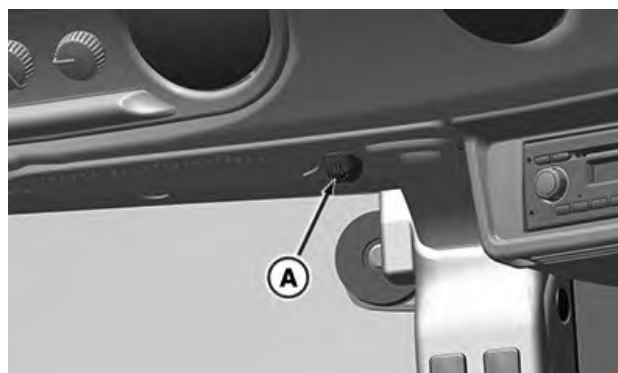
A—Rear Wiper/Washer Switch
B—Rear Wiper

Rear wiper/washer switch (A) has three positions:

- Top - washer and wiper on.
- Center - wiper on.
- Bottom - all off.

Place the switch in center position to operate the rear

Bluetooth® Microphone



RXA0158257—UN—14MAR17

A—Bluetooth® Microphone

A mobile phone can be paired with the premium radio. The Bluetooth® microphone (A) is maintenance free and requires no adjustment. See radio operating manual for pairing your mobile device with premium radio.

HK75640,0000FE2-19-14SEP20

Speakers



A—Speaker (right side shown, left similar)

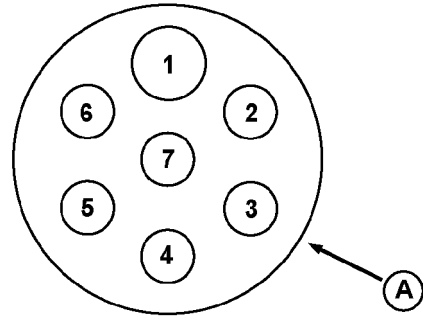
Speaker (A) is located in the right rear corner of the roof behind the headliner and is not visible to the operator.

HK75640,0000FE3-19-14SEP20

Refer to your specific radio reference manuals for more information about operation.

HK75640,0000FE5-19-14SEP20

Implement Connector



Connector Terminals

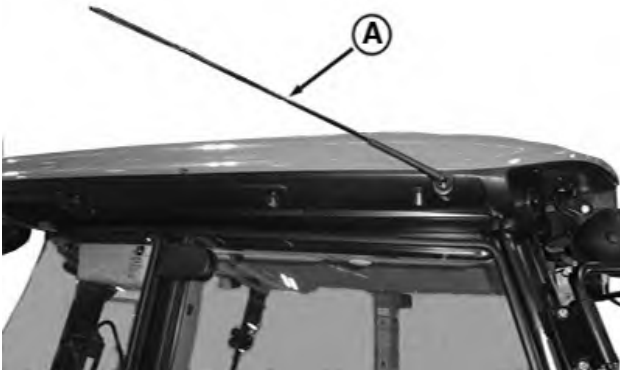
RW21249A—UN—29APR99

A—Implement Connector

NOTE: Matching 7-pin plug is available through John Deere dealer.

Always use auxiliary light on towed implement when tractor signals and other lights are obscured.

Radio Antenna



A—Radio Antenna

Adjust radio antenna (A) as required to improve radio reception.

LGCKF7U,00008BA-19-14DEC20

Rear Implement Connector



A—Rear Implement Connector

APY62909—UN—18JUL21

Rear-mounted implement connector (A) is used to connect lights, turn signals and other remote trailer or implement electrical equipment to the machine electrical system.

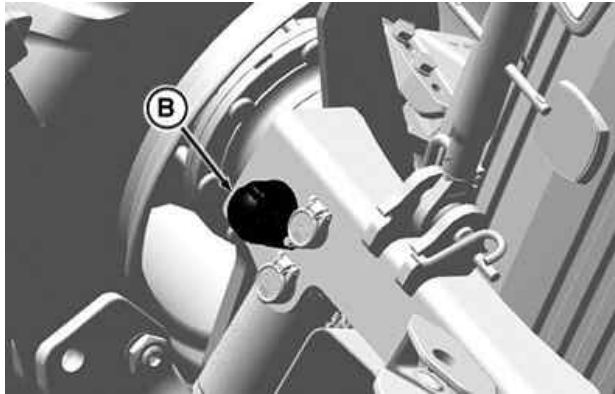
Terminal Number	Amp (A)	Function
1	12	Left Turn
2	30	Auxiliary Power

Satellite Module and Antenna

Satellite is available to improve radio and communication reception. This feature requires no operator interaction and is not visible to the operator. Satellite service provides reception and communications when other services are not available.

Terminal Number	Amp (A)	Function
3	Ground	Ground
4	12	Right Turn
5	12	Right Tail Light
6	20	Brake Lights
7	12	Left Tail Light

Front Implement Connector (Tractors with Front Hitch)



APY36917—UN—08JUN20

Terminal Number	Amp (A)	Function
1	12	Left Turn
2	-	-
3	Ground	Ground
4	12	Right Turn
5	12	Right Tail Light
6	-	-
7	12	Left Tail Light

Front-mounted implement connector (B) is used to connect lights, turn signals and other remote trailer or implement electrical equipment to the machine electrical system.

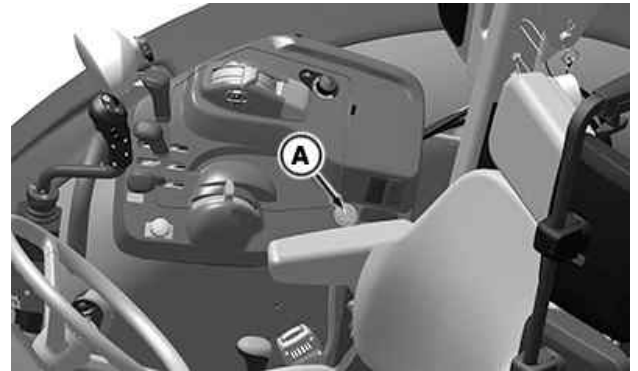
LGCKF7U,0000DE4-19-11JUN21

Power Outlet



Cab

RXA0158293—UN—14MAR17



APY48008—UN—13APR21

OOS

A—Power Outlet

Power outlet (A) is an accessory 12 V electrical outlet for connecting auxiliary equipment. Outlet is protected by a 30-A fuse.

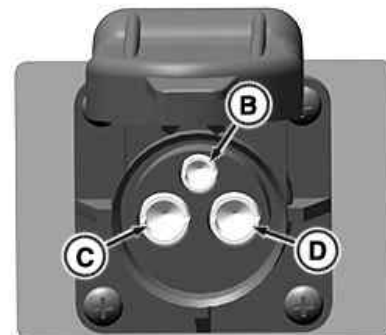
An optional cigarette lighter can be installed in place of the power outlet.

LGCKF7U,0000B35-19-13APR21

Convenience Outlets



RXA0159117—UN—04MAY17



RXA0155560—UN—09NOV16

- A—Convenience Outlet
- B—Battery Power (Unswitched)
- C—Battery Power (Switched)
- D—Ground

Convenience outlet (A) is on the right-hand console and is used when connecting auxiliary equipment.

For additional information on connections, see auxiliary equipment installation instructions or your John Deere dealer.

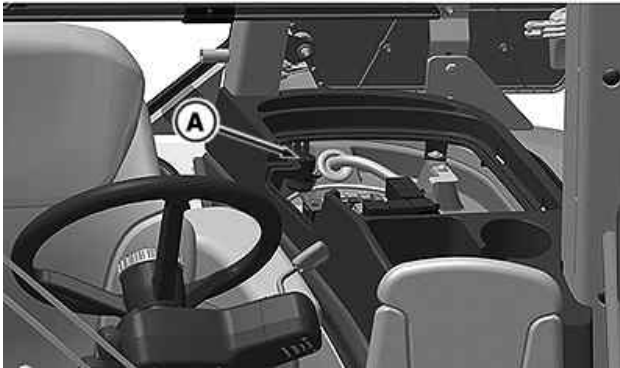
HK75640,0000FE8-19-14SEP20

Do not tamper with or disable the operator presence switch to ensure that machine operates correctly.

All operator seats have a switch to detect that the operator is present during operation.

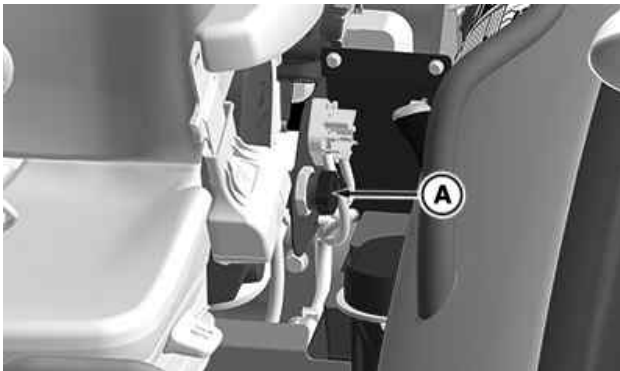
HK75640,0000FEB-19-14SEP20

Service ADVISOR™ Connector



RXA0153612—UN—29AUG16

Cab



RXA0158324—UN—22MAR17

OOS

A—Service ADVISOR™ Connector

IMPORTANT: Connector is to be used only for Service ADVISOR™ equipment, or machine damage occurs.

The Service ADVISOR™ connector (A) is used by your John Deere dealer to diagnose and repair the machine.

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Operator Presence

CAUTION: When the operator leaves the seat, the PTO and/or SCVs do not automatically disengage. The machine can move if operator leaves the seat and the transmission is not in Park.