

# Winch Bumper Mount Kit

BUC10693, BUC10694



**JOHN DEERE**

## INSTALLATION INSTRUCTIONS

### Winch Bumper Mount Kit

UC20026 01JUN20 (ENGLISH)

**XUV625i, XUV825E, XUV825i, XUV825i S4, XUV825M,  
XUV825M S4, XUV855D, XUV855D S4, XUV855E, XUV855M,  
and XUV855M S4 Gator™ Utility Vehicles**

**John Deere Horicon Works  
UC20026 (01JUN20)**

**Edition**

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A John Deere ILLUSTRATION™ Manual

Previous Editions

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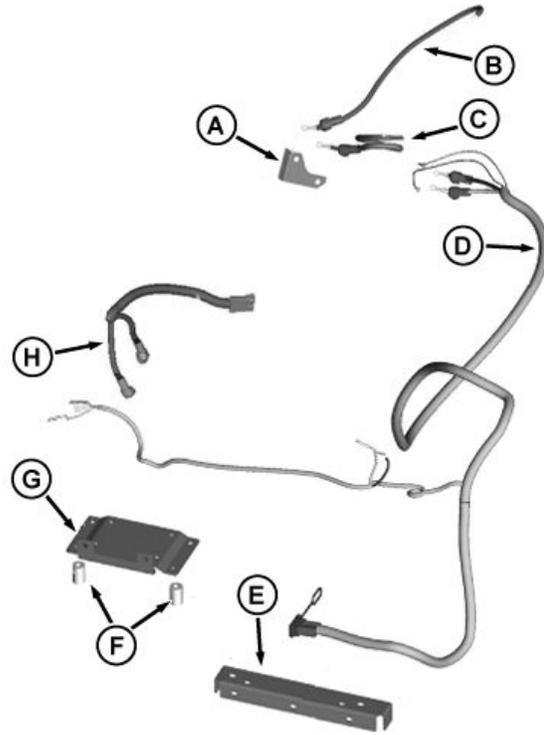
UC20026-19-01JUN20



**Parts in Kit**

**Model XUV625i, XUV825E, XUV825i, XUV825M, XUV855D, XUV855E, XUV855M**

Qty.	Description
1	Contacteur Bracket (A)
1	Negative Winch Battery Cable (B)
1	Positive Winch Battery Cable (C)
1	Winch Wiring Harness (D)
1	Winch Bracket (E)
2	Spacer (F)
1	Winch Mount Bracket (G)
1	Winch Harness (H)
4	Flanged Bolt, M10x25
7	Flanged Bolt, M8x20
2	Flanged Bolt, M8x65
4	Flanged Screw, M6x20
2	Hex Bolt, M5x20
2	Bolt, M10x25
4	Clamp-On Nut, M6
6	Locknut, M10
5	Locknut, M8
4	Flanged Nut, M6
2	Locknut, M5
25	Tie Strap
1	Safety Label (French)
1	Safety Label (No-Text)
1	Safety Label (Spanish)
1	Winch Operators Manual
<i>NOTE: The following parts are referenced in these instructions, but included in another kit.</i>	
1	Contacteur
1	Fairlead
1	Winch
1	Winch Remote Connector Wiring Harness
1	Remote Control
1	Clevis Hook with Strap



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

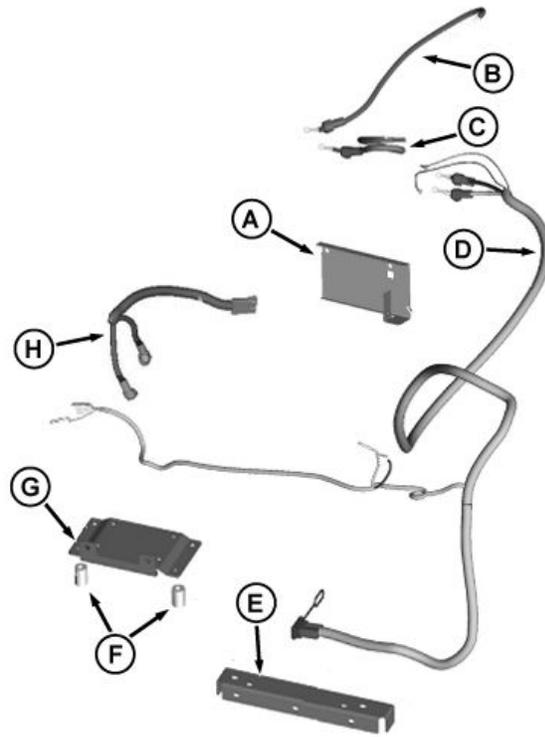
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BVMSIT,0000281 -19-01JUN20-1/2

**Model XUV825i S4, XUV825M S4, XUV855D S4, XUV855M S4**

Qty.	Description
1	Close-Out Bracket (A)
1	Negative Winch Battery Cable (B)
1	Positive Winch Battery Cable (C)
1	Winch Wiring Harness (D)
1	Winch Bracket (E)
2	Spacer (F)
1	Winch Mount Bracket (G)
1	Winch Harness (H)
4	Flanged Bolt, M10x25
7	Flanged Bolt, M8x20
2	TORX® Screw, M8x20
2	Flanged Bolt, M8x65
2	Flanged Screw, M6x20
2	Hex Bolt, M5x20
2	Bolt, M10x25
2	Clamp-On Nut, M6
6	Locknut, M10
5	Locknut, M8
2	Clamp-On Nut, M8
4	Flanged Nut, M6
2	Locknut, M5
25	Tie Strap
1	Safety Label (French)
1	Safety Label (No-Text)
1	Safety Label (Spanish)
1	Winch Operators Manual
<i>NOTE: The following parts are referenced in these instructions, but included in another kit.</i>	
1	Contactor
1	Fairlead
1	Winch
1	Winch Remote Connector Wiring Harness
1	Remote Control
1	Clevis Hook with Strap



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

MXT018269 —UN—10JUN16

TORX is a trademark of Camcar/Textron

BVVMSIT,0000281 -19-01JUN20-2/2

**Parking Safely**

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

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

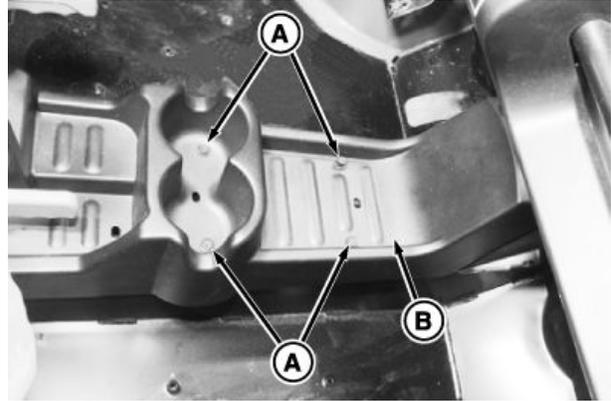
**Prepare Machine (XUV625i, XUV825E, XUV825i, XUV825M, XUV855D, XUV855E, XUV855M)**

**Front Bucket Seats**

1. Raise and lock cargo box.
2. Pry up inner pins, and remove fasteners (A) securing tunnel cover (B) to machine. Remove the tunnel cover (B).
3. Tilt seats forward.

**A— Fastener (4 used)**

**B— Tunnel Cover**



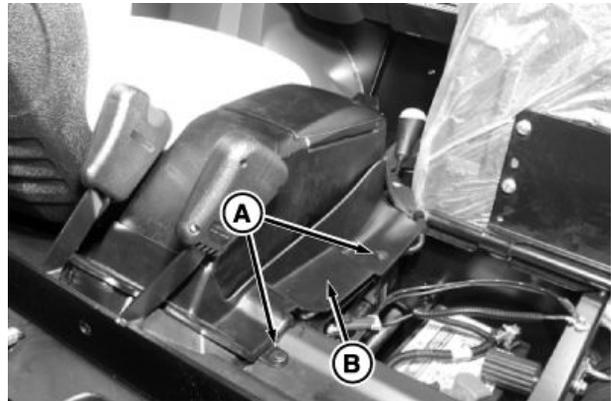
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BVVMSIT,0000282 -19-01JUN20-1/8

4. Pry up inner pins, and remove fasteners (A) securing passenger side of the console surround panel (B).

**A— Fastener (2 used)**

**B— Console Surround Panel**



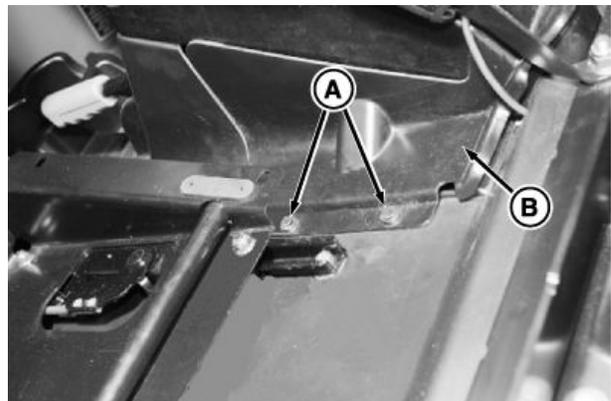
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5. Pry up inner pins and remove fasteners (A) securing driver side of the console surround panel (B). Remove the console surround panel (B).

**A— Fastener (2 used)**

**B— Console Surround Panel**



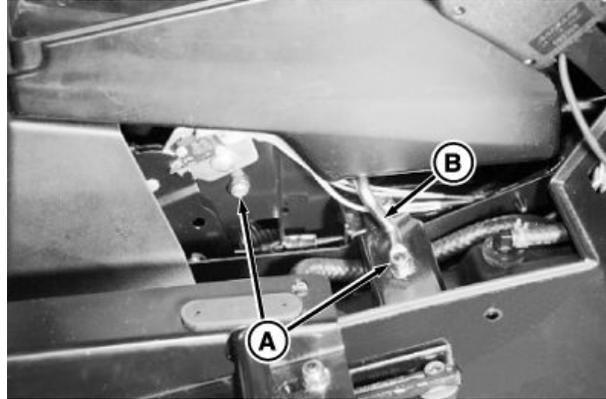
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6. Remove locknuts (A) securing driver side of the console support bracket (B) to machine.

**A— Locknut, M8 (2 used)      B— Console Support Bracket**

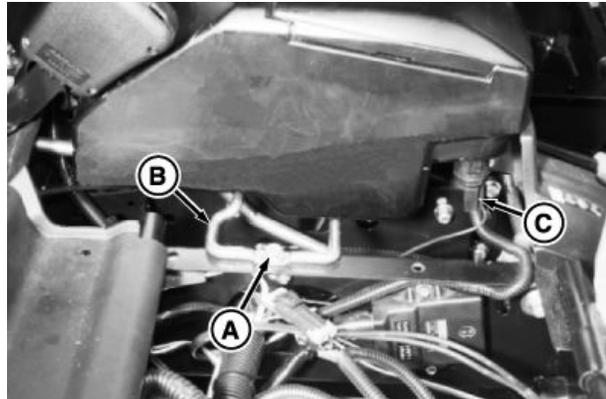


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7. Remove flanged bolt (A), and locknut securing passenger side of the console support bracket (B) to machine.
8. Disconnect wire harness connector (C) from the console power outlet.

**A— Flanged Bolt, M8x20      C— Connector**  
**B— Console Support Bracket**

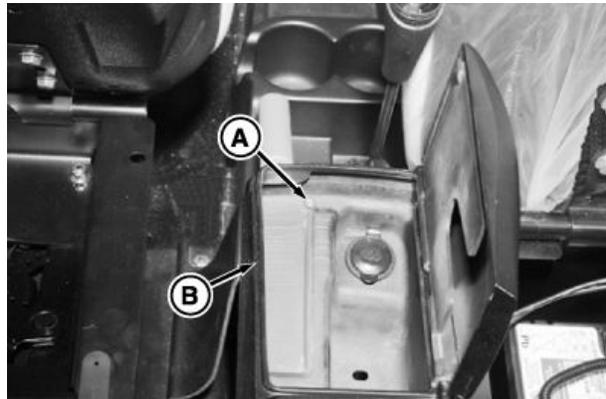


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9. Remove TORX® screw (A) securing console (B) to control lever housing.
10. Remove console support bracket from frame connection points, and remove console (B) from machine.
11. Disconnect both battery cables, and remove battery.
12. Spread out winch wiring harness on the floor to identify components, and its orientation before harness installation.

**A— TORX® Screw      B— Console**



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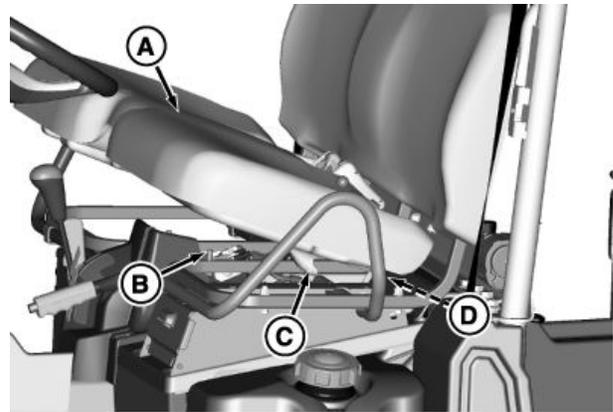
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**Front Bench Seats**

1. Raise and lock cargo box.
2. Lift the front portion of seat (A), and disengage the seat from both studs (B) on frame.
3. Pull seat forward to remove both ears (C) from slots (D) on machine cowling.

A— Seat  
 B— Stud (2 used)  
 C— Seat Ear  
 D— Slot

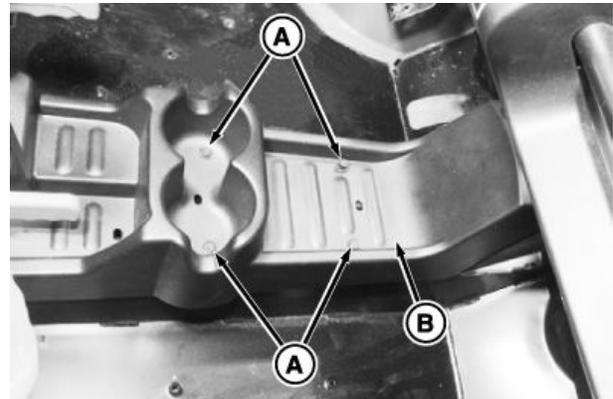


MXT005913 —UN—31OCT12

BVMSIT,0000282 -19-01JUN20-7/8

4. Pry up inner pins, and remove fasteners (A) securing front tunnel cover (B) to machine. Remove front tunnel cover (B).
5. Disconnect both battery cables and remove battery.
6. Spread out winch wiring harness on the floor to identify components, and its orientation before harness installation.

A— Fastener (4 used)  
 B— Front Tunnel Cover



MXT005919 —UN—04FEB13

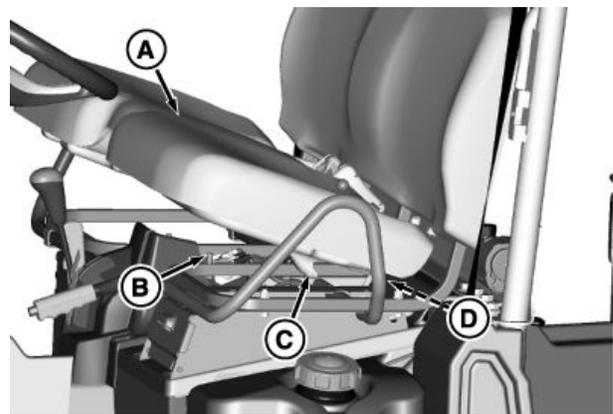
BVMSIT,0000282 -19-01JUN20-8/8

**Prepare Machine (XUV825i S4, XUV825M S4, XUV855D S4, XUV855M S4)**

**Front Seat**

1. Raise and lock cargo box.
2. Lift the front portion of seat (A), and disengage the seat from both studs (B) on frame.
3. Pull seat forward to remove both seat ears (C) from slots (D) on machine cowling.

A— Seat  
 B— Stud (2 used)  
 C— Seat Ear  
 D— Slot



MXT005913 —UN—31OCT12

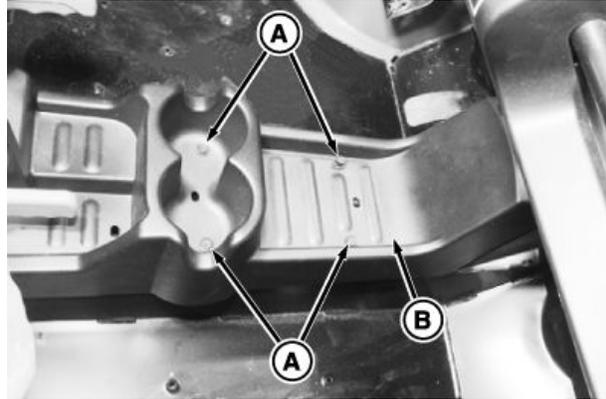
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BVMSIT,0000284 -19-01JUN20-1/5

4. Pry up inner pins, and remove fasteners (A) securing the front tunnel cover (B) to machine. Remove front tunnel cover (B).

A— Fastener (4 used)

B— Front Tunnel Cover



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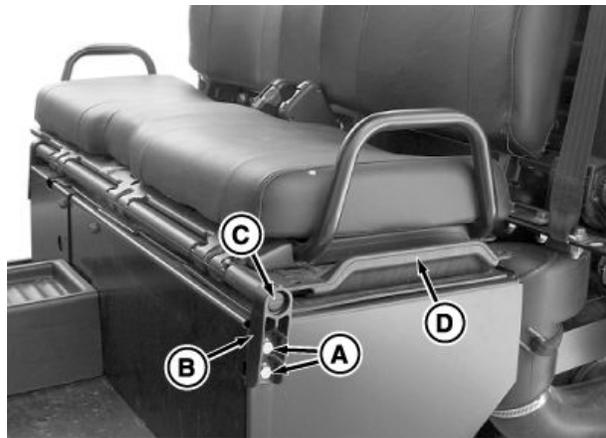
### Rear Seat

1. Remove bolts (A), and pull the seat pivot (B) from the seat mounting rod (C).
2. Repeat on the opposite side.
3. Remove seat (D).

A— Bolt (4 used)

C— Seat Mounting Rod

B— Seat Pivot Bracket (2 used) D— Seat



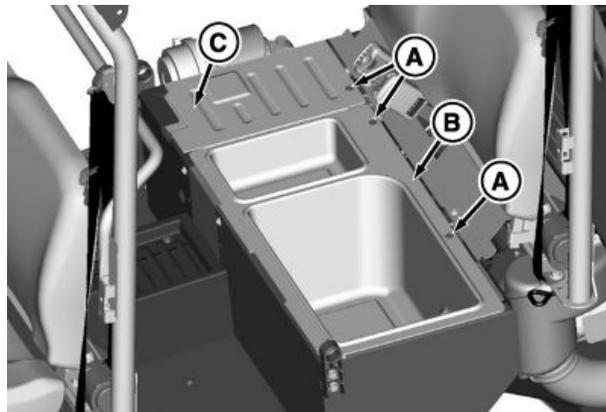
MXT005918 —UN—31OCT12

BVMSIT,0000284 -19-01JUN20-3/5

4. Pry up inner pins, and remove fasteners (A).
5. Remove rear storage box (B) and battery cover (C).

A— Fastener (3 used)  
B— Rear Storage Box

C— Battery Cover



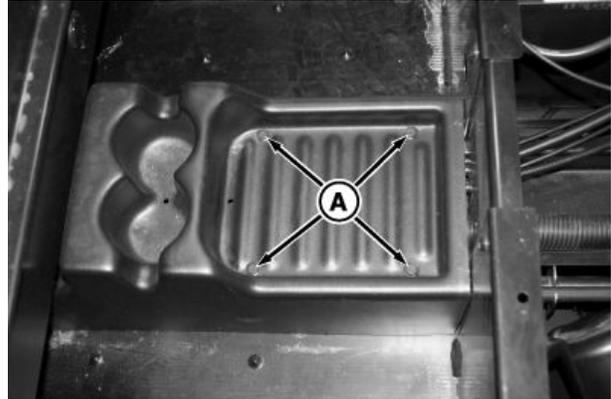
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BVMSIT,0000284 -19-01JUN20-4/5

6. Pry up inner pins, and remove fasteners (A) securing rear tunnel cover to machine. Remove cover.
7. Disconnect both battery cables.
8. Spread out winch wiring harness on the floor to identify components, and its orientation before harness installation.

A— Fastener (4 used)



MXT005899—JUN—30OCT12

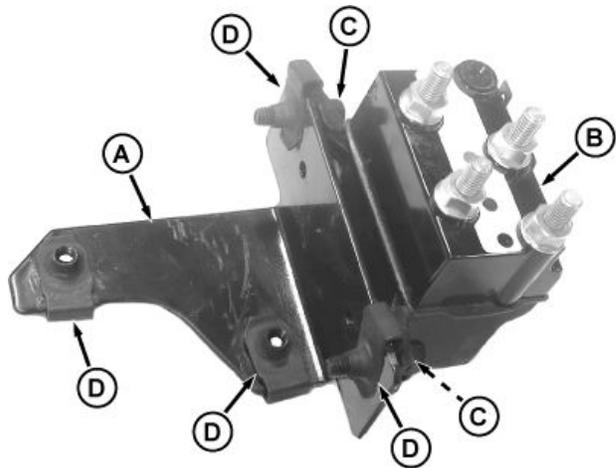
BVMSIT.0000284 -19-01JUN20-5/5

**Install Contactor (XUV625i, XUV825E, XUV825i, XUV825M, XUV855D, XUV855E, XUV855M)**

1. Install bracket (A) onto contactor (B) with screws (C) and clamp-on nuts (D)
2. Install clamp-on nuts (D) onto bracket (A).

A— Bracket  
B— Contactor

C— Screw, M6x20 (2 used)  
D— Clamp-On Nut, M6 (4 used)



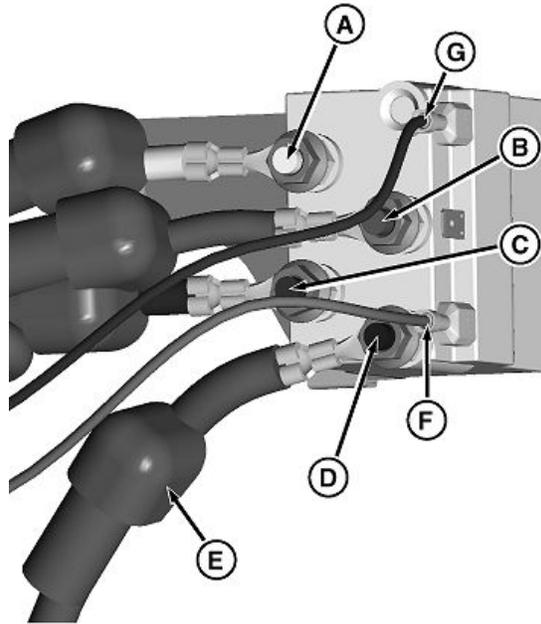
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BVMSIT.0000285 -19-01JUN20-1/3

3. Connect wires to contactor studs with M6 nuts as follows:
  - a. Yellow winch harness lead to yellow stud (A).
  - b. Red battery positive (+) cable to red stud (B).
  - c. Blue winch harness lead to blue stud (C).
  - d. Black negative (—) battery cable to black stud (D).
  - e. Position boots (E) on four leads installed over contactor studs.
  - f. Green (F) and black (G) harness spade connectors to mating leads on contactor.

- |                |                    |
|----------------|--------------------|
| A— Yellow Stud | E— Boot (4 used)   |
| B— Red Stud    | F— Green Connector |
| C— Blue Stud   | G— Black Connector |
| D— Black Stud  |                    |

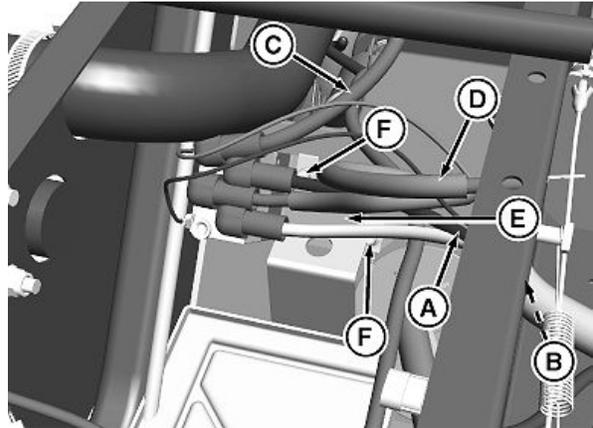


MXT007895—UN—12JUL13

BVMSIT,0000285 -19-01JUN20-2/3

4. Route yellow and blue wires (A) through the tunnel hole (B).
  5. Retain black negative wire (C) near battery.
  6. Retain red positive wire (D) near battery.
- NOTE: On older vehicles, if the hole is not already in the frame, drill one 7 mm (9/32 in) hole for screw installation.*
7. Position the contactor assembly (E) on the inside of the right rear vertical frame member. Secure contactor assembly(E) with screws (F) from the downward side of the machine frame.

- |                              |                          |
|------------------------------|--------------------------|
| A— Yellow Wire and Blue Wire | D— Red Positive Wire     |
| B— Tunnel Hole               | E— Contactor Assembly    |
| C— Black Negative Wire       | F— Screw, M6x20 (2 used) |



MXT007896—UN—12JUL13

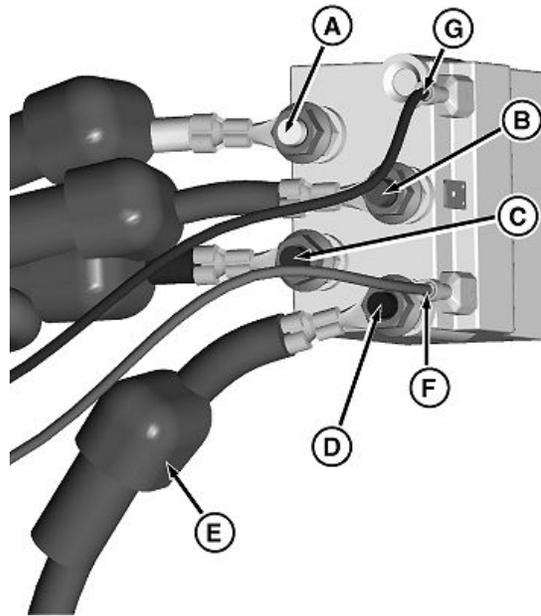
BVMSIT,0000285 -19-01JUN20-3/3

### Install Contactor (XUV825i S4, XUV825M S4, XUV855D S4, XUV855M S4)

1. Connect wires to contactor studs with M6 nuts as follows:
  - a. Yellow winch harness lead to yellow stud (A).
  - b. Red battery positive (+) cable to red stud (B).
  - c. Blue winch harness lead to blue stud (C).
  - d. Black negative (—) battery cable to black stud (D).
  - e. Position boots (E) on four leads installed over contactor studs.
  - f. Green (F) and black (G) harness spade connectors to mating leads on contactor.

A— Yellow Stud  
 B— Red Stud  
 C— Blue Stud  
 D— Black Stud

E— Boot (4 used)  
 F— Green Connector  
 G— Black Connector



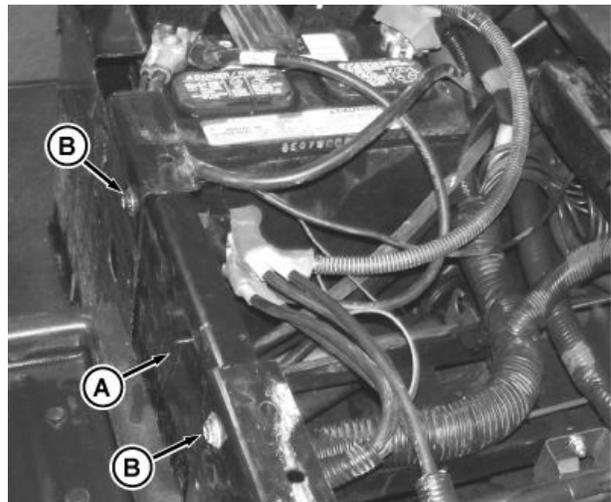
MXT007897—UN—12JUL13

BVVMSIT,0000286 -19-01JUN20-1/3

2. Remove original close-out bracket and install new close-out bracket (A) with two clamp-on nuts and screws (B).

A— Close-Out Bracket

B— Clamp-on Nut and Screw  
 (2 used)



MXT018244—UN—16MAY16

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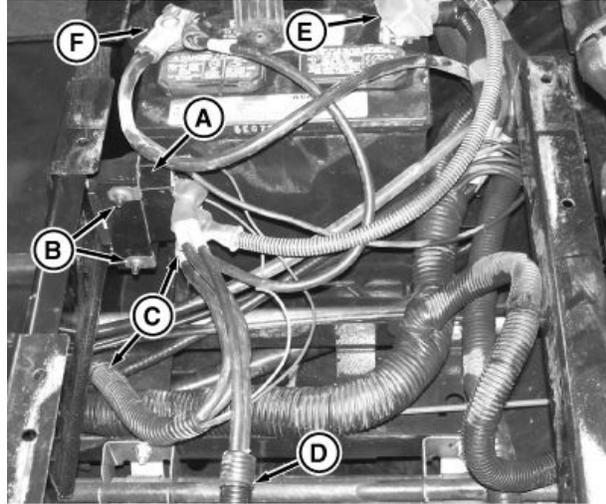
BVVMSIT,0000286 -19-01JUN20-2/3

3. Install contactor (A) onto the bracket with screws (B), and clamp-on nuts.
4. Route yellow and blue wire harness (C) under the close-out bracket.

*NOTE: Wire harness (D) is shown, but not used.*

5. Route red positive (+) wire (E) to battery.
6. Route black negative (—) wire (F) to battery.

A— Contactor	D— Wire Harness
B— Screw (2 used)	E— Red Positive (+) Wire
C— Yellow and Blue Wire Harness	F— Black Negative (—) Wire



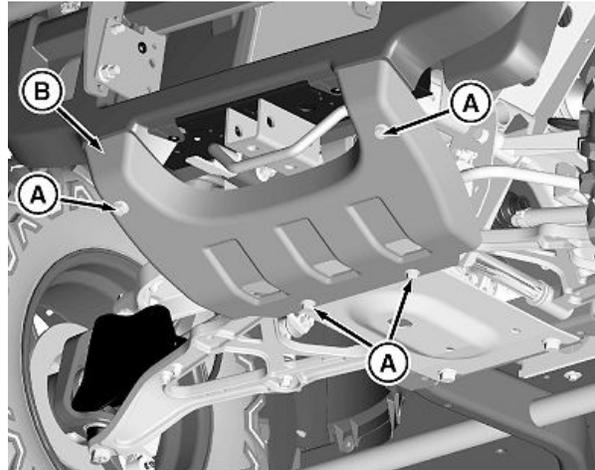
MXT018245 —UN—17MAY16

BVMSIT,0000286 -19-01JUN20-3/3

### Install Winch

1. Remove four bolts (A) and front guard (B).

A— Bolt (4 used)	B— Front Guard
------------------	----------------

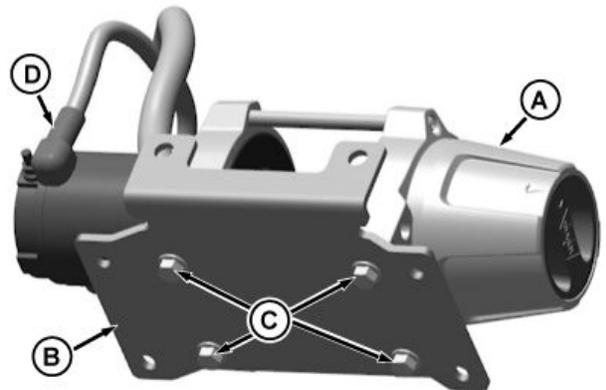


MXT007904 —UN—12JUL13

BVMSIT,0000287 -19-29APR20-1/8

2. Install winch (A) onto bracket (B) with bolts (C).
3. Remove two nuts from studs on winch. Install winch harness (D) to winch. Secure harness with nuts and tighten.

A— Winch	C— Bolt, M8x20 (4 used)
B— Bracket	D— Winch Harness



MX100242 —UN—21DEC18

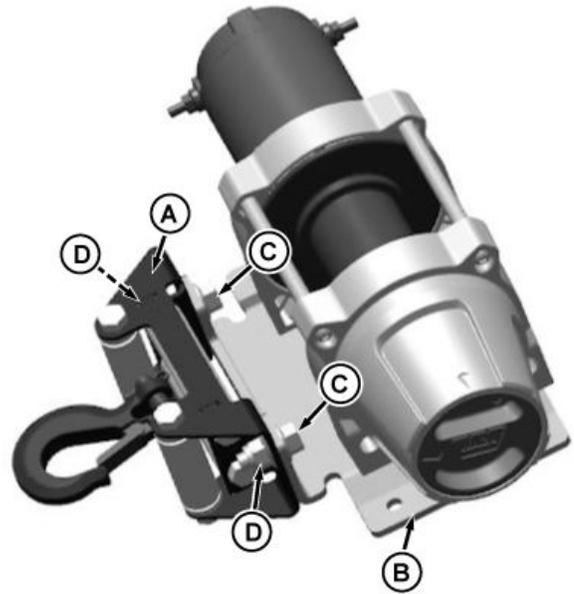
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BVMSIT,0000287 -19-29APR20-2/8

4. Install fairlead (A) onto bracket (B) with bolts (C) and locknuts (D).

A— Fairlead  
B— Bracket

C— Bolts, M10x25 (2 used)  
D— Locknuts, M10 (2 used)



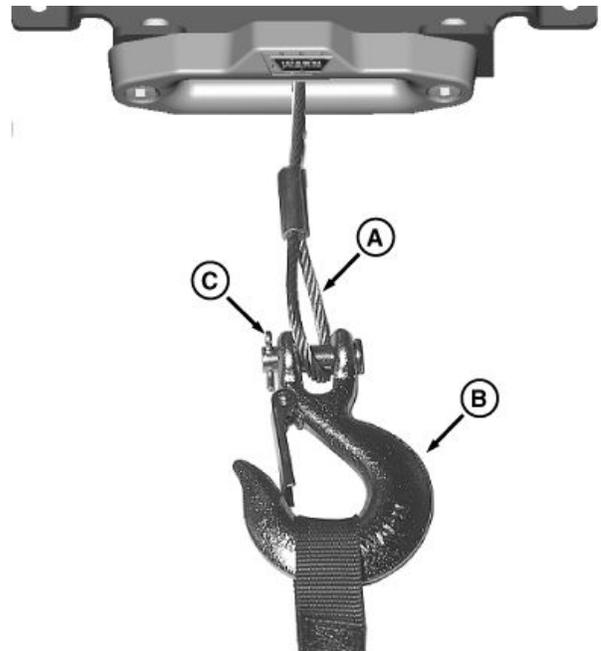
MX100243 —UN—21DEC18

BVMSIT,0000287 -19-29APR20-3/8

5. Pull end of a cable (A) through fairlead opening. Attach hook (B) to loop with drilled pin and cotter pin (C). Bend ends of the cotter pin (C) to secure.

A— Cable  
B— Hook

C— Cotter Pin



MX1008663 —UN—09OCT13

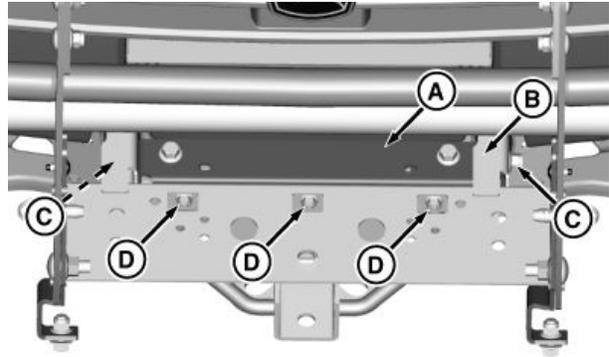
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BVMSIT,0000287 -19-29APR20-4/8

- Install bracket (A) under tab (B) of frame and secure both ends with bolts and locknuts (C).
- Install additional bolts and locknuts (D).

A— Bracket  
B— Tab

C— Bolt, M10x25, and Locknut, M10 (2 used)  
D— Bolt, M8x20, and Locknut, M8 (3 used)



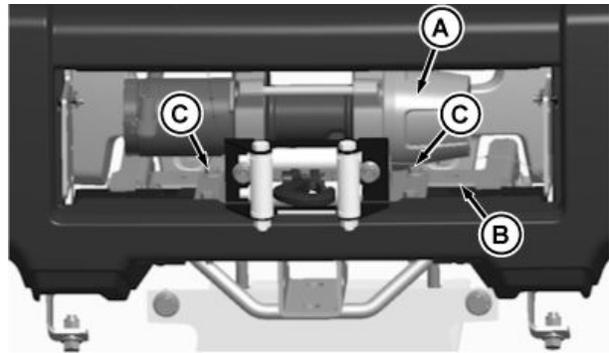
MX1008664—UN—09OCT13

BVMSIT,0000287 -19-29APR20-5/8

- Install winch (A) and bracket onto rear plate (B) installed onto the machine with bolts (C), and loosely install locknuts.

A— Winch  
B— Rear Plate

C— Bolt, M10x25 (2 used)



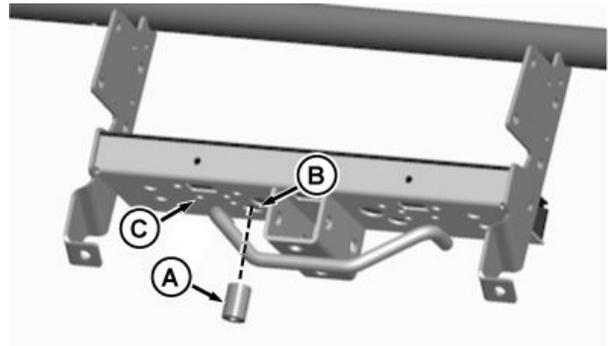
MX100244—UN—07JAN19

BVMSIT,0000287 -19-29APR20-6/8

- Install spacer (A) through hole (B) in frame, and slide it over, until it is centered over hole (C). Repeat for second spacer on the opposite side.

A— Spacer (2 used)  
B— Hole

C— Bolt Hole



MX100302—UN—04JAN19

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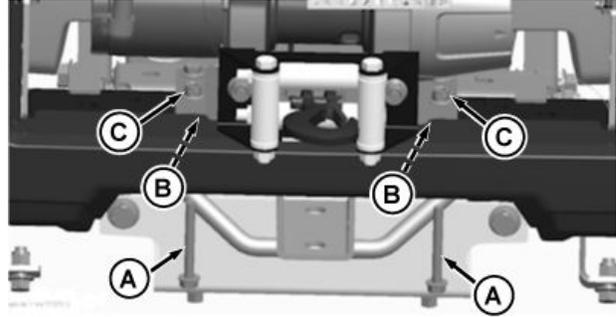
BVMSIT,0000287 -19-29APR20-7/8

10. Install two longer bolts (A) through the winch bracket, frame, and spacers (B). Secure with two loosely installed locknuts (C).

11. Tighten all locknuts (C).

A— Bolt, M8x65 (2 used)  
B— Spacer (2 used)

C— Locknut, M8 (2 used)

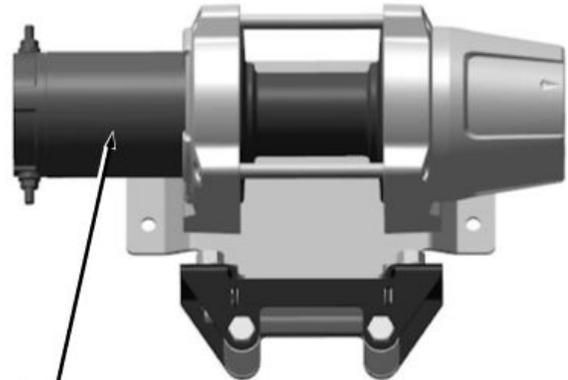


BVMSIT.0000287 -19-29APR20-8/8

MX100245—UN—21DEC18

### Install Labels

Clean the surface of the current label on the machine and apply the required French, Spanish or No-Text label over it.



French label shown

MX00654.0000306 -19-21DEC18-1/1

MX100246—UN—21DEC18

### Install Winch Wiring Harness

**CAUTION: Avoid Injury!** Damage to electrical cables and wires can result in serious injury or death caused by fire or electrocution.

Do not route electrical wiring across sharp edges, through moving parts, or near hot surfaces.

Keep wiring away from these hazards by securing with tie straps. Insulate all terminal connections with protective covers.

**IMPORTANT: Avoid Damage!** Do not connect the contactor positive (+) and negative (—) cables to battery until instructed.

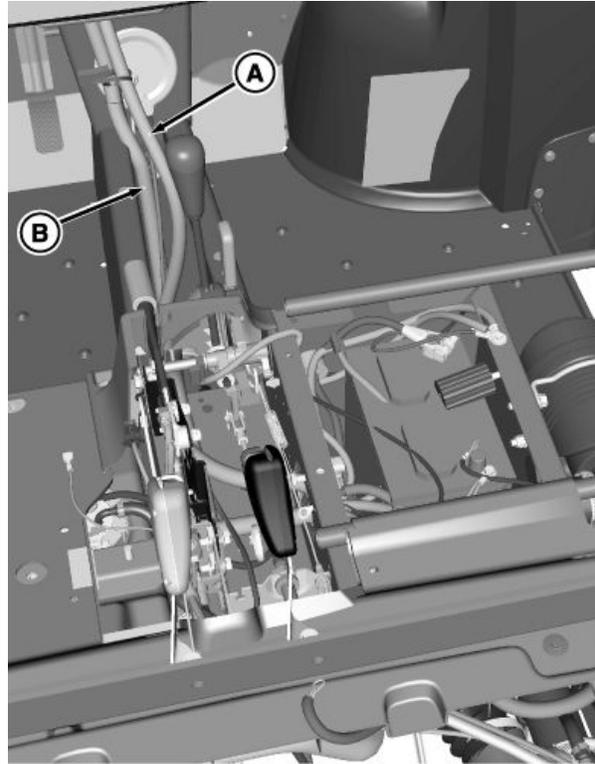
Make sure that the wires are not kinked or pulled tight against any metal edges of the vehicle frame before securing with tie straps.

Model XUV625i, XUV825E, XUV825i, XUV825M, XUV855D, XUV855E, XUV855M

1. Route harness (A) through tunnel area, following main harness (B).
2. Use tie straps to secure winch harness (A) to main harness (B), as needed.

A— Winch Harness

B— Main Harness



MXT007839—UN—14JUL13

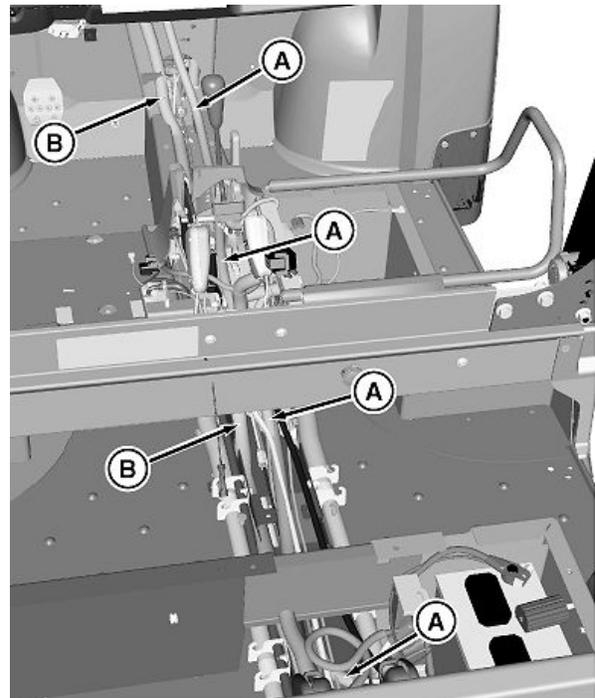
BVMSIT,0000288 -19-01JUN20-1/4

Model XUV825i S4, XUV825M S4, XUV855D S4, XUV855M S4

1. Route harness (A) through tunnel area, following main harness (B).
2. Use tie straps to secure winch harness (A) to main harness (B), as needed.

A— Winch Harness

B— Main Harness



MXT007906—UN—12JUL13

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BVMSIT,0000288 -19-01JUN20-2/4

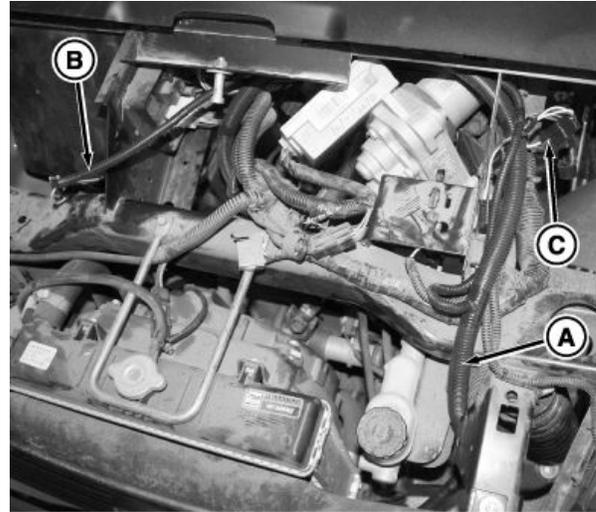
**All Models**

1. Route winch power wiring harness (A) to front of the machine on the driver side
2. Route remote control wiring harness (B) to the passenger side
3. Use tie straps to secure these wiring harness to main harness as needed.

*NOTE: Mating connector is taped to the vehicle harness.  
Remove tape to free connector.*

4. Connect yellow/black harness connector (C) to vehicle harness.

**A— Winch Power Wiring Harness**      **C— Connector**  
**B— Remote Control Wiring Harness**

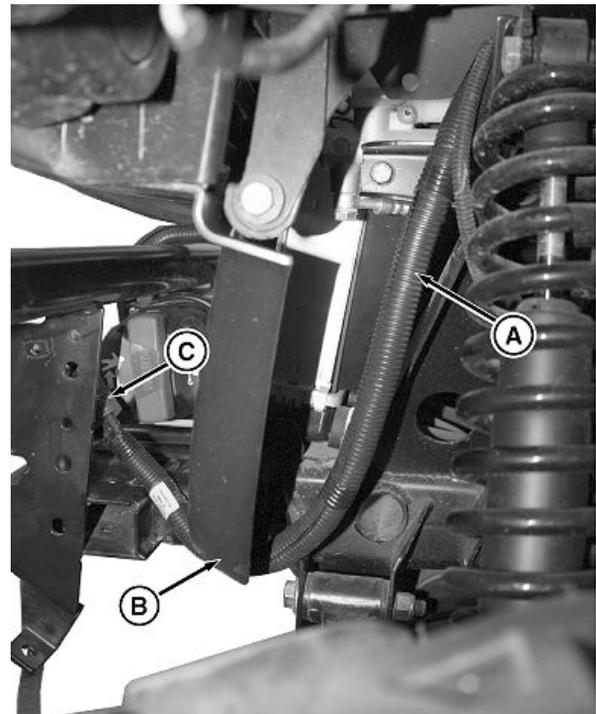


MXT007907—UN—20JUL13

BVVMSIT,0000288 -19-01JUN20-3/4

5. Route harness wiring (A) down to front of the machine, and around the bumper (B).
6. Install connector (C) onto the winch connector.
7. Use tie strap to secure harness to frame wherever possible to avoid fouling with moving parts.
8. Connect positive (+) and negative (-) cables from contactor to a battery.

**A— Winch Power Wiring Harness**      **C— Connector**  
**B— Bumper**



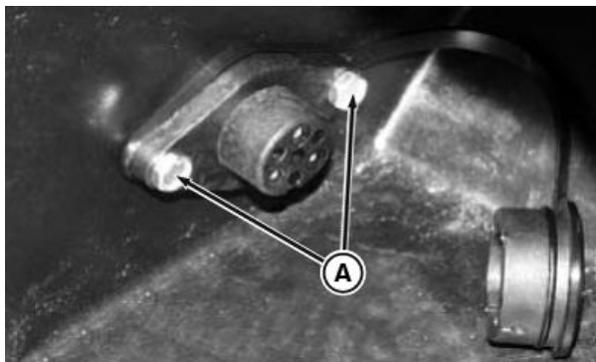
MXT007909—UN—12JUL13

BVVMSIT,0000288 -19-01JUN20-4/4

### Install Winch Remote Control

1. Drill one 22 mm (7/8 in) center hole, and two 6 mm (1/4 in) holes on the inside of a glove box.
2. Insert winch remote connector into drilled holes.
3. Install the remote connector with the keyway indexed down, and secure with screws (A) and M5 locknuts. Do not overtighten.
4. Plug remote control connector into socket, and store in the glove box.

**A—Screw, M5x20 (2 used)**



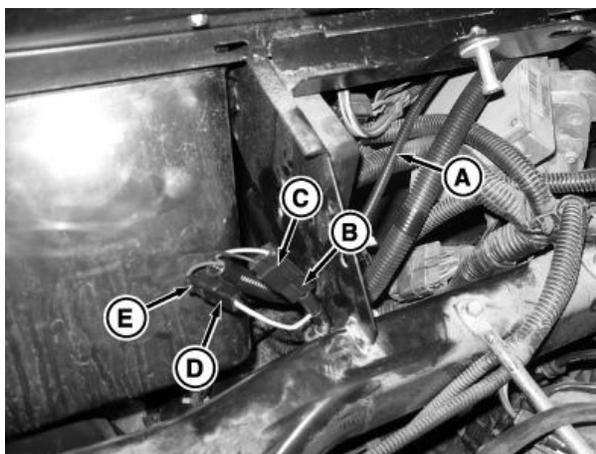
APY37004—UN—11MAY20

BVMSIT,000028F -19-11MAY20-1/2

5. Route harness wiring (A) and connect green/black connector (B) to the remote wiring green/black connector (C).
6. Connect yellow wire connector (D) to a red wire connector (E).

**A—Remote Control Wiring Harness**  
**B—Connector**  
**C—Connector**

**D—Connector**  
**E—Connector**



MXT007941—UN—01AUG13

BVMSIT,000028F -19-11MAY20-2/2

### Complete Installation

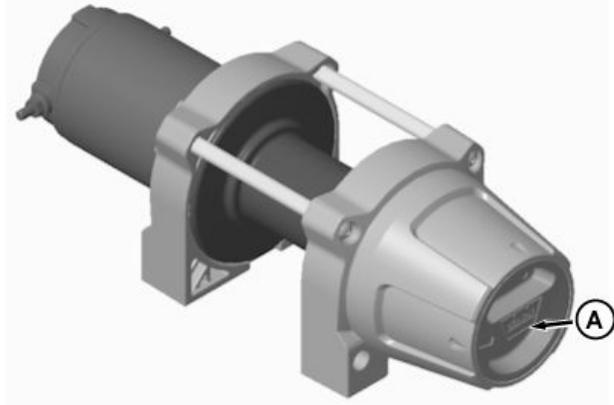
1. Park vehicle safely. (See 'Parking Safely'.)
2. Give light tension to the winch cable with the help of an assistant. Extend the cable from the spool by pressing the OUT of the remote rocker switch. The spool cannot turn when the remote control switch is released.
3. Install following machine components removed in the **Prepare Machine** section, using the original hardware:
  - a. Tunnel covers.
  - b. Seat front and side panels.
  - c. Storage tray.
  - d. Console and trim panels.
  - e. Seats.
  - f. Front storage compartment.

BVMSIT,000028E -19-29APR20-1/1

### Inspect and Test System

1. Check wiring to all components is correct and secure.
2. Make sure that there are no exposed wires or terminals.
3. Make sure that solenoid is mounted securely.
4. Rotate clutch knob (A) counterclockwise completely to engage the clutch. (See the label on clutch cover.)
5. Connect the winch quick disconnect harness to the front or rear mount wiring harness as applicable.
6. Turn vehicle key switch to run position.

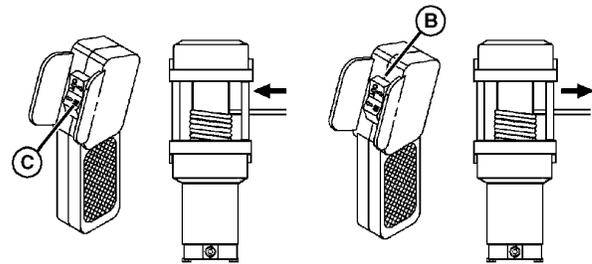
A— Clutch Knob



MX100247—UN—21DEC18

BVVMSIT,000028D -19-30APR20-1/2

7. Push top (B) of toggle switch on the remote control. Make sure winch cable spools off drum.
8. Push bottom (C) of toggle switch on the remote control. Make sure winch cable spools in.
9. Turn key switch to stop position.
10. Disconnect the winch quick disconnect harness from the front or rear mount harness as applicable.
11. Install dust cover onto a front or rear mount harness connector.
12. Install seat base panel, and seats.
13. Install transaxle shift lever knob, and differential lock lever knob.
14. Remove hook strap from hook. Store hook strap in a secure location.



B— Top

C— Bottom

MXAL48187—UN—21MAY13

BVVMSIT,000028D -19-30APR20-2/2

### Stretch Winch Cable (New Cable Only)

**IMPORTANT: New winch cable bind and become damaged if improperly stretched before use. Stretch the winch cable under a minimum 227 kg (500 lb) load.**

1. Center vehicle approximately 15 m (50 ft) from a minimum 227 kg (500 lb) load. Do not exceed winch load capacity.
2. Park the vehicle safely. (See 'Parking Safely'.)
3. Connect the winch quick disconnect harness to the front or rear mount harness as applicable.

**⚠ CAUTION: Winch cable can cause serious injury to hands. Wear gloves when handling winch cable. Always use hook strap when spooling. Do not let winch cable slide through hands even when wearing gloves.**

**Never winch with fewer than five wraps of the cable around winch drum. Cable could break free from drum causing dangerous backlash.**

**Always inspect and carefully rewind winch cable after use.**

**Never step or stand over the winch cable.**

**Never hook back onto the winch cable**

4. Spool out entire length of the winch cable, leaving five wraps on the drum. Move vehicle closer to load if necessary.
5. Chock all wheels.
6. Prepare the rigging for a single-line pull.
7. Start the vehicle.
8. Place transaxle shift lever in neutral position.
9. Place differential lock lever in unlocked position.
10. Make sure that park brake is locked.
11. Leave engine run to avoid draining battery.
12. Spool in the load to stretch the winch cable and create a tight wrap on the drum. Stop winching when the hook is 1.2 m (4 ft) from the roller fairlead.
13. Spool out enough slack to disconnect the hook.
14. Install hook strap to hook and spool in all winch cable.
15. Turn key switch to stop position.
16. Disconnect the winch quick disconnect harness from the front or rear mount harness as applicable.
17. Install dust cover onto the front or rear mount harness connector.
18. Store hook strap in a secure location.

BVMSIT,000028C -19-29APR20-1/1