



JOHN DEERE

# Product Services Information

## INSTALLATION INSTRUCTIONS



JOHN DEERE

### Mid-Size Gator Hitch and Control Box

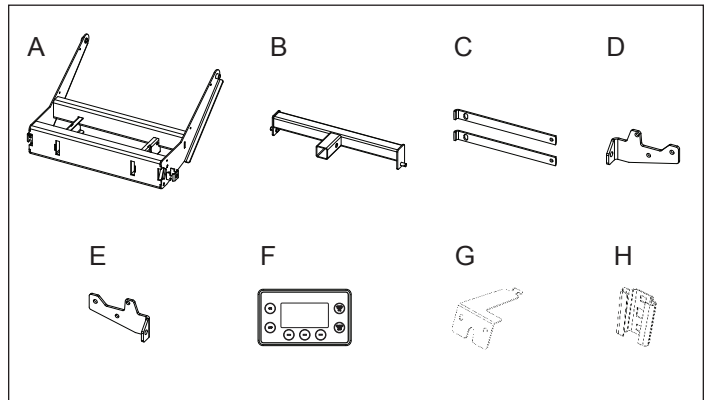
This attachment is compatible with Mid-Size Crossover Utility Vehicles models 550, 560 and 590 series.

### Safety

Read the general safety operating precautions in your machine installation instruction manual for additional safety information.

★ Use only with John Deere approved attachments

### Parts in Kit



### Main Assembly

Description	Letter	Qty.
Frame Assembly	A	1
Lower Frame	B	1
Side Support	C	2
Mounting Bracket Left	D	1
Mounting Bracket Right	E	1
Display	F	1
Display Bracket	G	1
Bracket Receiver	H	1



### Using your Instruction Manual

Read the Installation Manual in entirety, especially the safety information, before operating.

If your Instruction Manual has a section called Preparing the Machine, it means that you will have to do something to your tractor or vehicle before you can install the attachment. The Assembly and Installation sections of this manual provide information to assemble and install the attachment to your tractor or vehicle. Use the Service section to make any needed adjustments and routine service to your attachment.

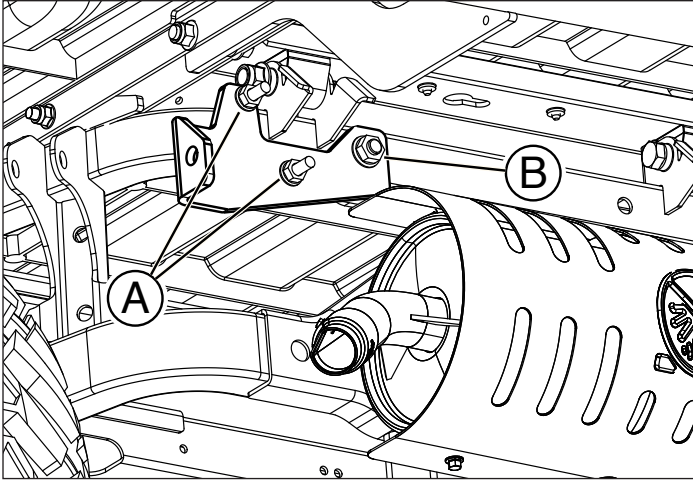
This product was manufactured by Superior Tech, Inc, a John Deere Licensee, located at 1811 Rohrerstown Rd. Lancaster, PA 17601. If you have any questions or concerns with the assembly, installation, or operation of this attachment, see your local John Deere dealer or call Superior Tech at 1-888-867-2238 for assistance.

### Hardware

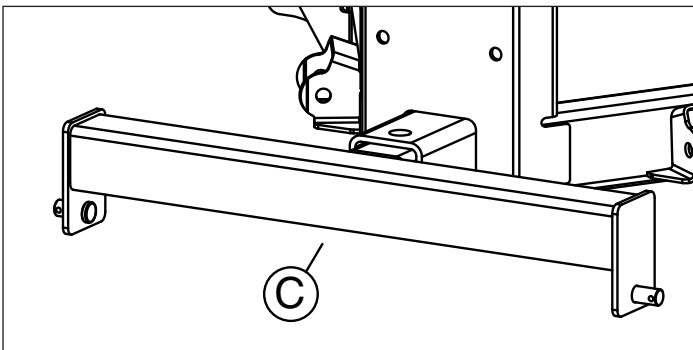
Description	Qty.
3/8" Square U-bolts	2
3/8" Flange Nuts	4
7/16" x 1" Flange Bolt	2
7/16" Flange Nut	2
5/16" x 1/2" Truss Head Screw	2
5/16" Flange Nut	2
1/2" x 1-1/2" Clevis Pin	2
5/8" x 3" Clevis Pin	2
Bowtie Clip	4
Hitch Pin Clip	1
M5 x 8 mm Button Head Screw	2
M5 Washer	2
Power Harness	1
Display Cable	1
Cable Clamps	2
Wire Ties	10

## Assembly

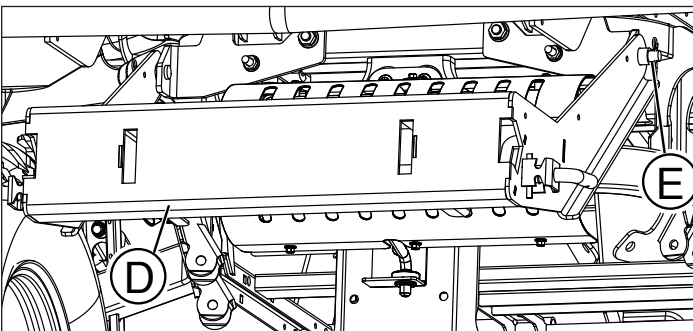
1. Install mounting brackets using 7/16" x 1" flange bolt and flange nut (B) in hole in frame channel. Put square u-bolt around the square tube frame and fasten with 3/8" flange nuts (A).



2. Insert lower frame (C) into utility vehicle's hitch receiver. Fasten with 5/8" x 3" clevis pin and hitch pin clip.

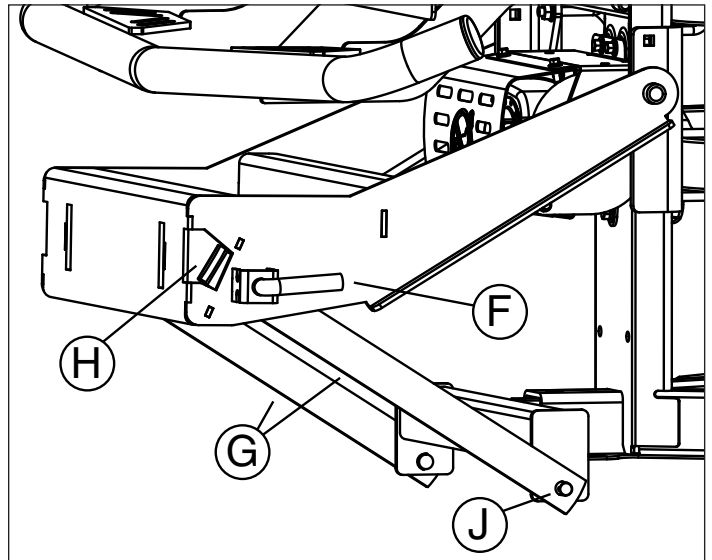


3. Attach frame assembly (D) to mounting brackets using two 1/2" x 1-1/2" clevis pins (E). Fasten clevis pins with bowtie clips. It is recommended that two people do this installation.

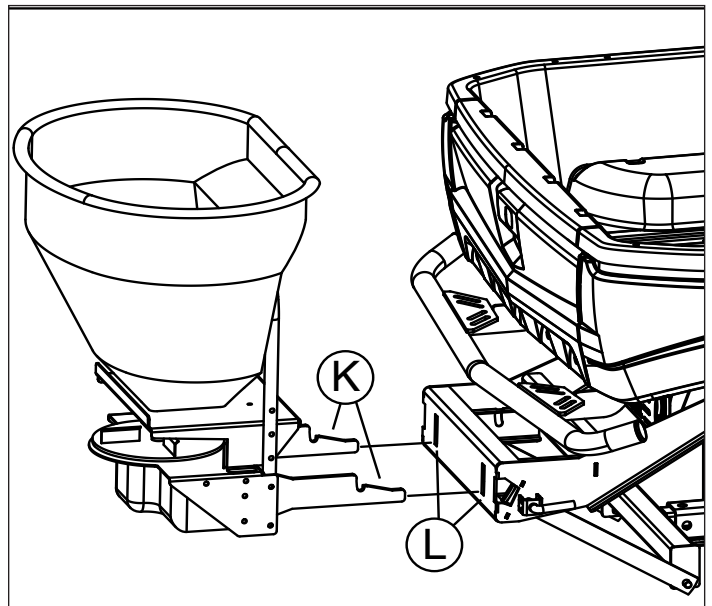


4. With the side pins (F) locked out (pull and turn), slide supports (G) through the slots in the frame assembly at location (H) with the bent end at the top facing towards the outside. Place lower holes over the pins (J) on the lower frame and secure with bowtie clips.

Release side pins (F) and lift frame until it clicks into place. Be sure the frame is locked in position before mounting attachment.

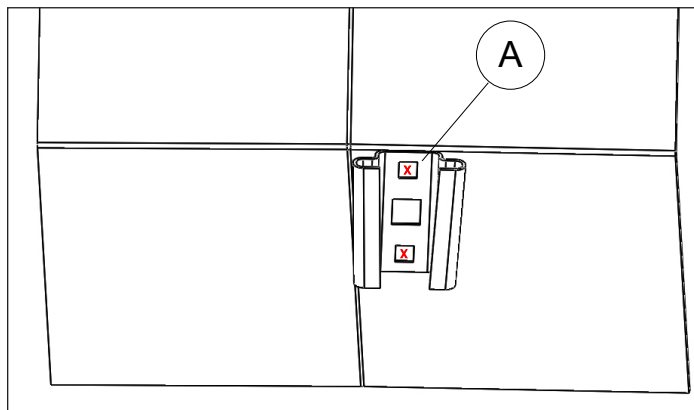
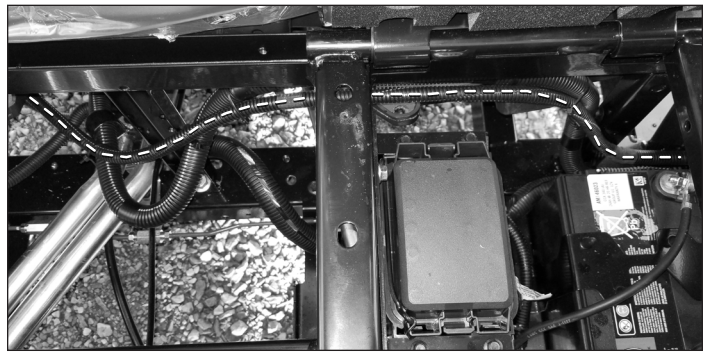


5. Slide receiver arms (K) into the slots (L) until it clicks to lock into place. Be sure the hitch latches securely. Adding grease to the slots makes installation easier. It is recommended that two people lift the spreader into place.

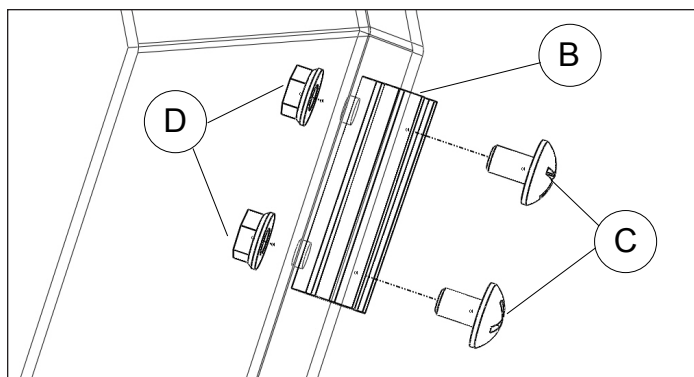


## Install Display and Wiring

1. Prep the vehicle to assist in routing the harness
  - a. Remove the cup holder from top of dash
  - b. Remove front storage tray under hood
  - c. Raise and support the cargo box
  - d. Remove front and rear floor panels and trim to expose main chassis harness and drive line. In some vehicles the seats may need to be removed.
2. Install bracket receiver (2 possible steps)
  - a. Hold the bracket receiver (A) with the large opening facing up on the underside of the dash below the controls. Align the top edge of the receiver with the top edge of the dash and positioned on the left edge of passenger's side. Mark the top and bottom holes to be drilled.



3. Drill the marked locations with a 7/16" drill bit.
4. Attach the bracket receiver (B) to the dash with two 5/16" truss head screws (C) and two 5/16" flange nuts (D) on the back side of the dash.

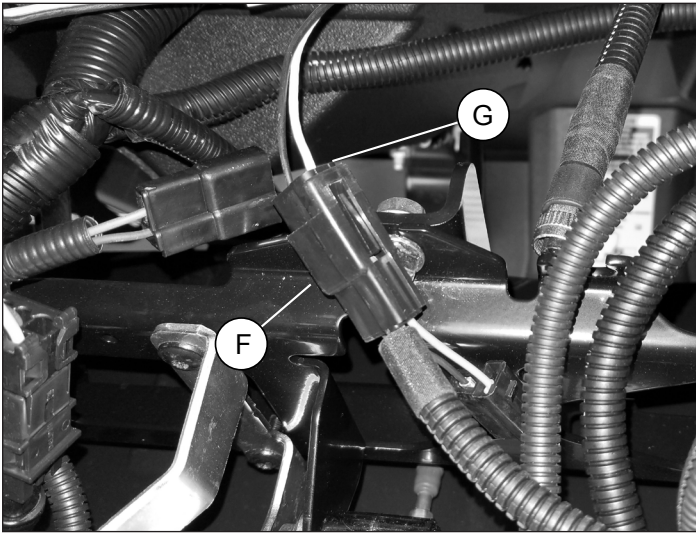


5. Starting in the battery compartment, route the circular connector on the power harness along the main chassis harness in the driveshaft tunnel toward the front of the vehicle and up behind the dash.

6. Insert the circular connector of the power harness through the hole (E) in between the plastic panel and the frame rail and push it up into the upper area of the dash below the cup holders



7. Insert the two pin ignition connectors through the same hole and push them up into the upper area of the dash below the cup holders.
8. Connect the two-pin ignition connector (F) on the power harness to the ignition port (G)

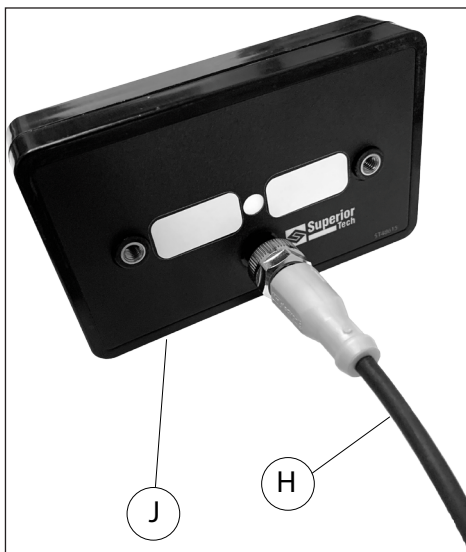


9. Route the circular connector down towards the bottom of the underside of the dash



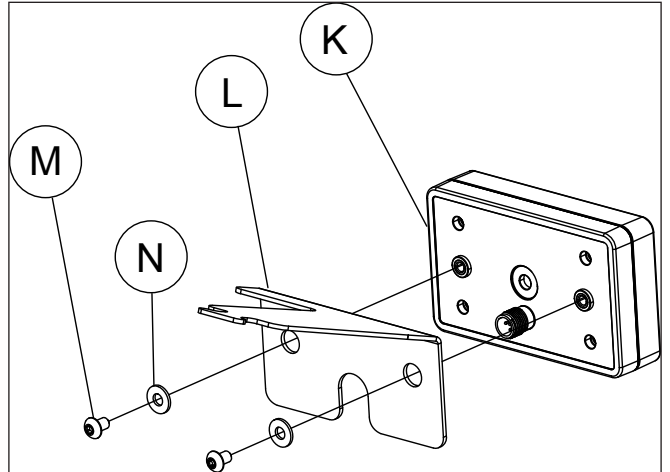
10. Attach the display cable (H) to the display (J).

**NOTE: Hand tighten the connector coupling nut to 0.5-1.0 ft-lb. Be careful not to cross thread the nut on the plastic threads. Do not twist the overmolded portion of the connector, only twist the metal coupling nut or damage may occur to the display connector pins.**



11. Mount the display (K) to the display bracket (L) using two M5 x 8 mm screws (M) and two M5 washers (N).

**NOTE: Tighten the screws to 4-5 ft-lb. Do not over tighten or damage may occur to the threaded inserts and plastic housing.**

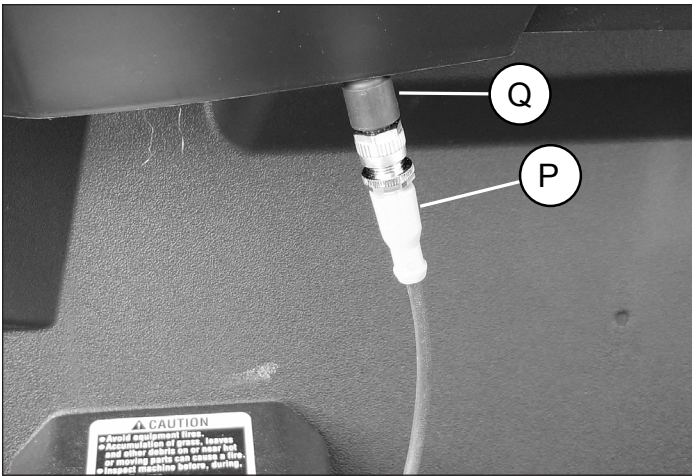


12. Secure the display cable to the underside of display bracket using a wire tie around the notch at the rear of the bracket



13. Mount the display by sliding the display bracket into the bracket receiver and pressing down firmly.

14. Attach the display cable (P) to the power harness (Q)

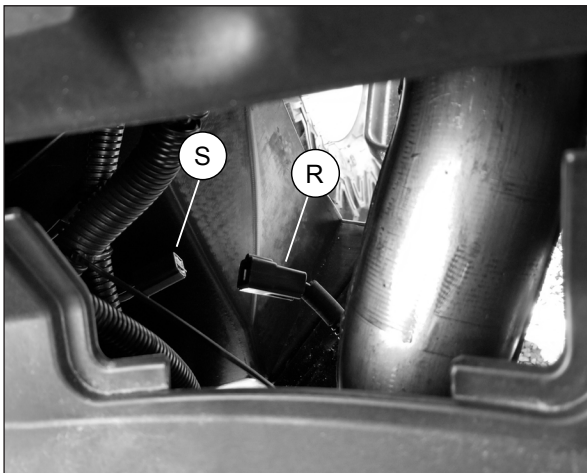


15. Adjust the length of the power harness inside the cab to reduce the length of the display cable that is hanging down under the dash. Leave enough length to allow easy access for connecting and disconnecting the cable.
16. Working back toward the battery compartment, secure the power harness to the main chassis harness with wire ties at least every 10" and on both ends of a bend.

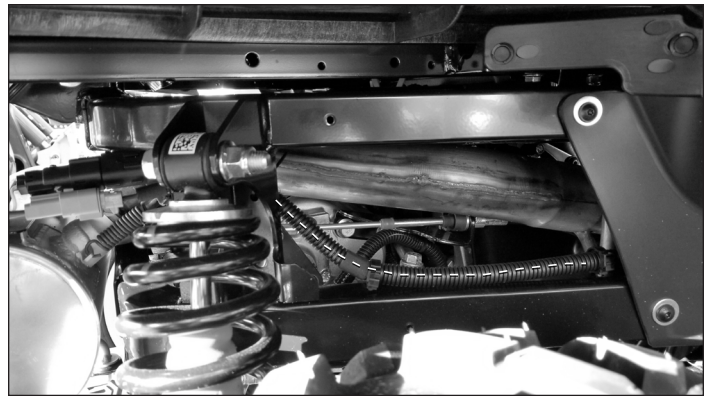
**NOTICE: While securing the power harness ensure that no wires/conduit are in direct contact with any moving parts and/or high temperature components paying special attention to the driveshaft.**

17. In the battery compartment, connect the two-pin power connector (R) on the power harness to the accessory port (S) on the main chassis harness.

**NOTE: The accessory port may be secured to the main chassis harness with electrical tape from the factory.**

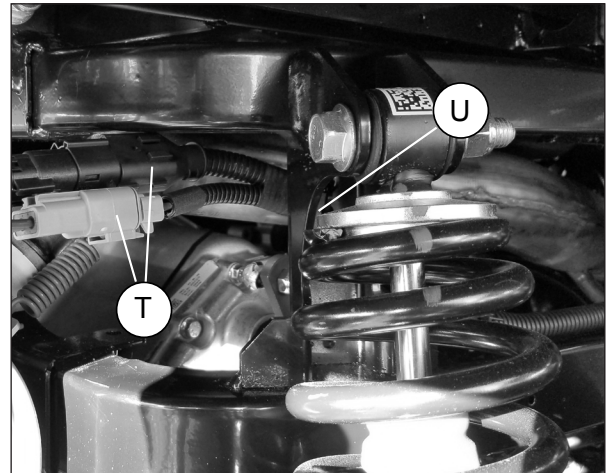


18. Route the power harness toward the rear of the vehicle along the top side of the lower frame rail.

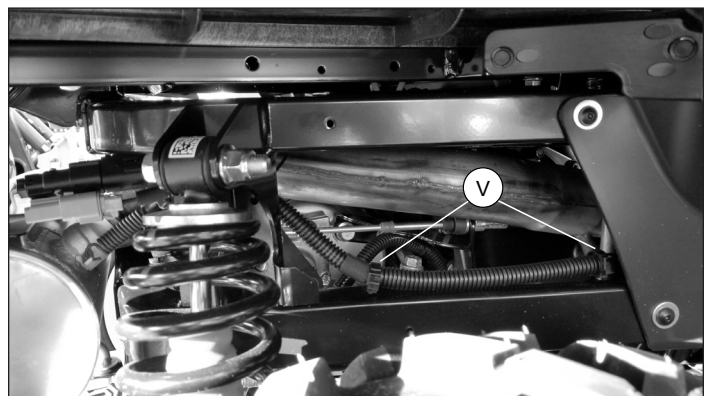


19. Position the two connectors (T) at the end of the power harness 2 – 3 inches beyond the end of the frame rail and use a wire tie to secure the harness to the upper holes (U) of the vertical shock mount.

**NOTICE: Ensure that no wires/conduit are in direct contact with any moving parts and/or high temperature components.**



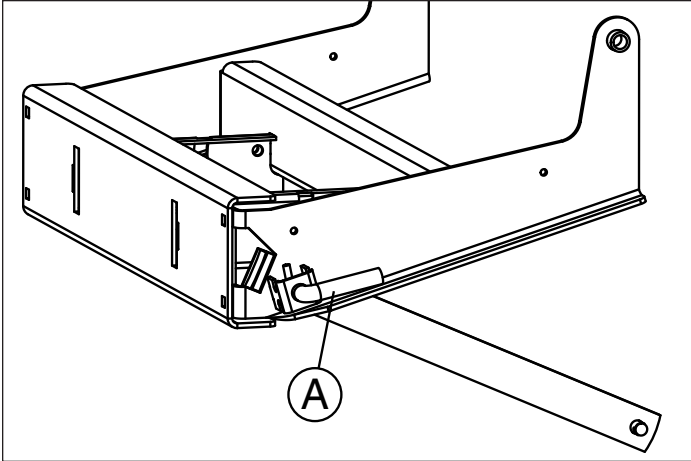
20. Use two cable clamps (V) to secure the harness to the lower frame rail using the predrilled holes.



21. Working back toward the battery compartment, secure the harness to the main chassis harness with wire ties at least every 10" and on both ends of a bend. If necessary, coil up and secure any excess length of harness near the accessory port.

## Operation

### Raising the Utility Vehicle Bed

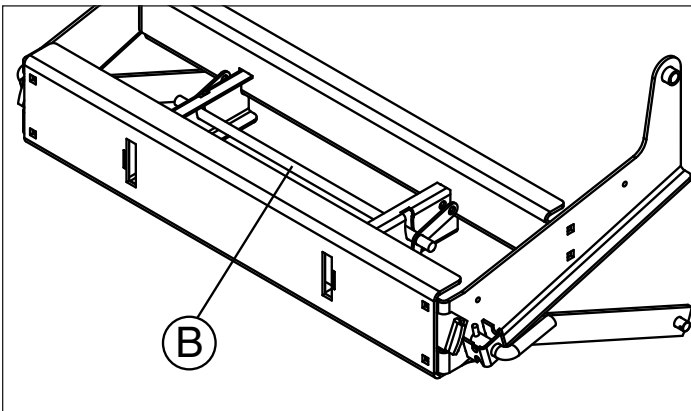


If you wish to raise the bed without removing the attachment mounting frame, it can be folded down by pulling the pins (A) and turning to lock them out. Lift up on the frame when pulling the second pin and lower gently to the ground. To put the attachment mounting frame back into position, release the pins and lift the frame until it clicks into position.



**CAUTION:** Be sure the attachment mounting frame is locked in the up position when operating the vehicle. Driving with the frame folded down may damage the frame or vehicle.

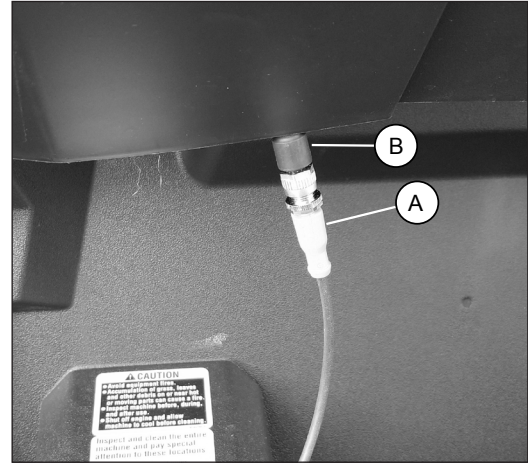
### Release Attachment



To release an attachment, lift rod (B) and slide the attachment forward slightly. This will unlock it, enabling it to be pulled out.

## Remove Display

1. Disconnect display cable (A) from power harness (B).



2. Remove display by sliding bracket out of the receiver.
3. Store in a dry location.