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Patent: [www.ttcopats.com](http://www.ttcopats.com).

## Safety

- Always follow the vehicle manufacturer's recommendations relating to system installation. For recommended vehicle models, refer to the *BOSS Snowplow Application Chart and Selection Guide*.
- Never disable, remove, or relocate any sensors or other components related to the operation of the air bags.
- To comply with federal regulations and to assure a safe vehicle, do not exceed the front gross-axle-weight rating (FGAWR), rear gross-axle-weight rating (RGAWR), and the gross-vehicle-weight rating (GVWR) at any time.
- Due to the variety of equipment that you can install on the vehicle and undercarriage, do not exceed the front gross-axle-weight rating (FGAWR), rear gross-axle-weight rating (RGAWR), and the gross-vehicle-weight rating (GVWR) at any time. This may require weighing the vehicle and adding ballast as necessary. It may also limit the payload capacity of the vehicle.

## Installation

Determine the left and right sides of the machine from the normal operating position.

### ⚠ DANGER

**Vehicle engines contain moving parts and can become extremely hot, capable of causing severe burns and serious bodily harm.**

**Shut off the engine and allow it sufficient time to cool down before installing this kit.**

### ⚠ DANGER

**Vehicle batteries can cause dangerous electrical shocks that could lead to severe burns or death.**

**Disconnect your battery before installing this kit.**

**Note:** Apply dielectric grease to all electrical connections.

1. Park the machine on a level surface, shut off the engine, wait for all moving parts to stop, engage the parking brake, and remove the key.
2. Mount the stud block under the hood of the vehicle using self-threading bolts.
3. Mount the pump solenoid under the hood of the vehicle, ensuring that it stays in an upright position and does not contact the body, hood, or other conductive material on the vehicle.

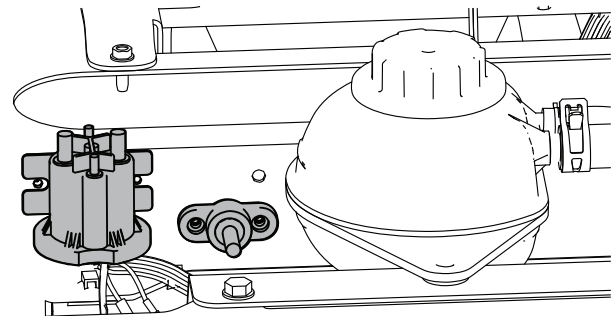
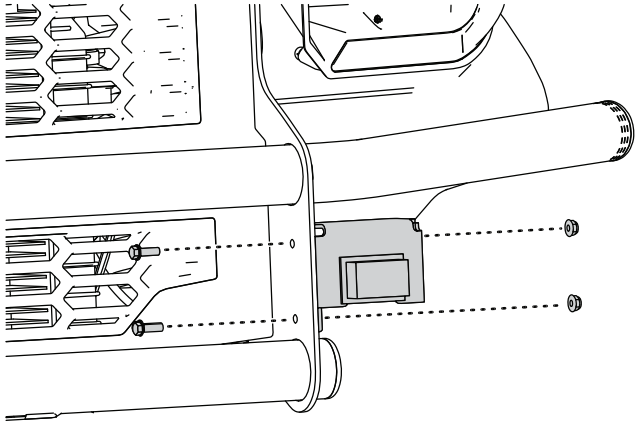


Figure 1

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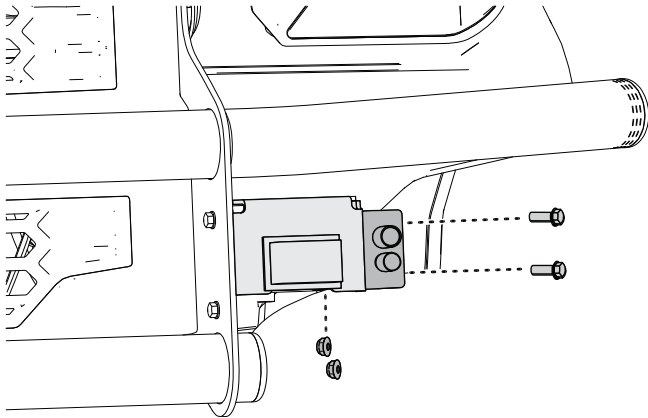
4. Mount the UTV-side, wire-harness plow connector to the side plate of the bumper using the control-harness mounting-bracket and 2 bolts (1/4-20 inch) and 2 nuts (1/4 inch).



**Figure 2**

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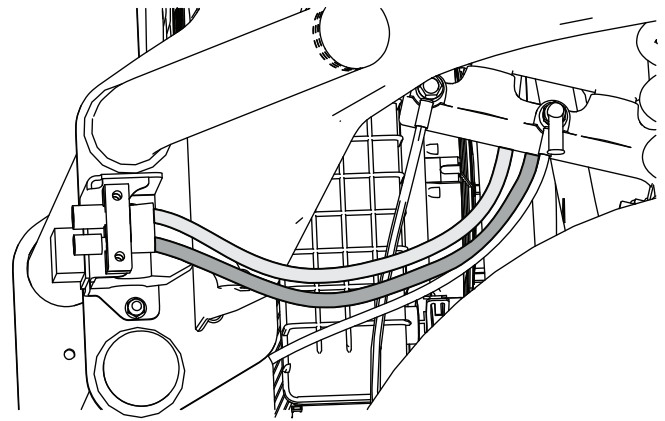
5. Mount the power cable connector to the bracket using 2 bolts (1/4-20 inch) and 2 nuts (1/4 inch).



**Figure 3**

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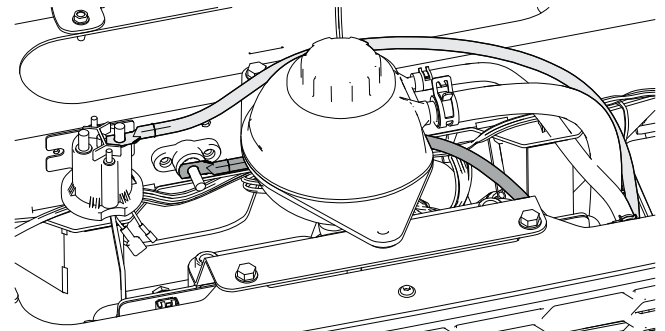
6. Route the red and black battery cables up through the machine to the solenoid and stud block.



**Figure 4**

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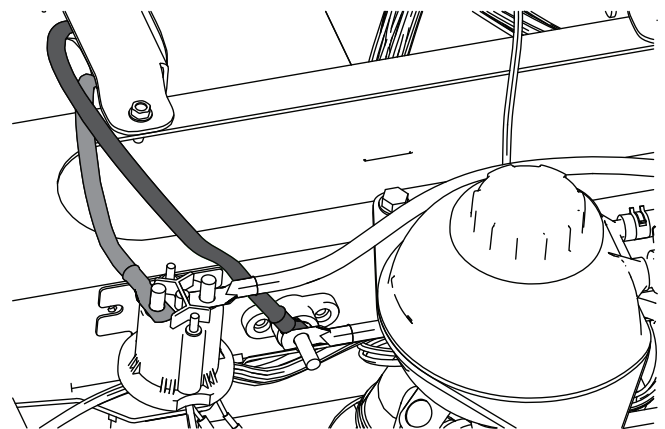
7. Connect the red power/ground cable to the large post on the pump solenoid.
8. Connect the black cable to the post on the stud block.



**Figure 5**

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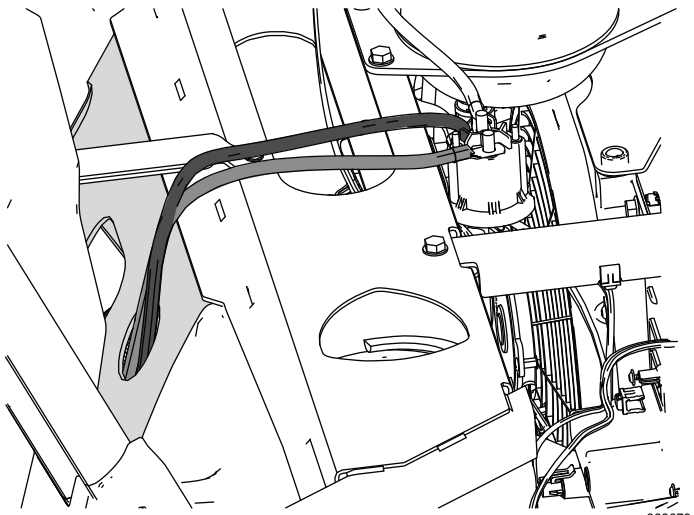
9. Connect the red battery cable to the solenoid and the black battery cable to the stud block.



**Figure 6**

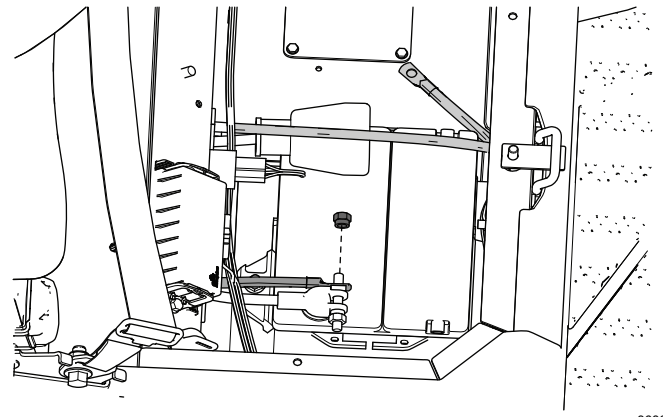
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10. Route the 2 battery cables down under the machine and back to the battery in the rear of the machine.



**Figure 7**

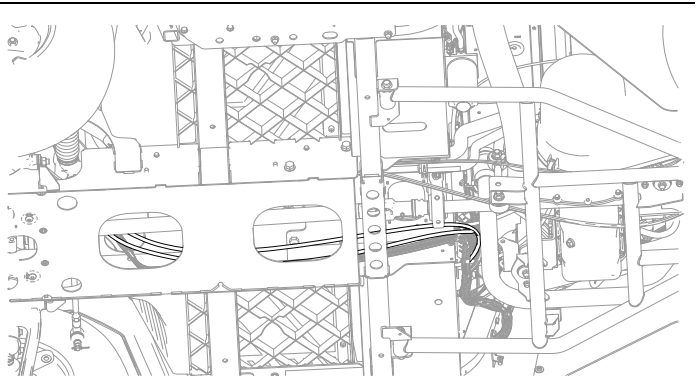
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**Figure 10**

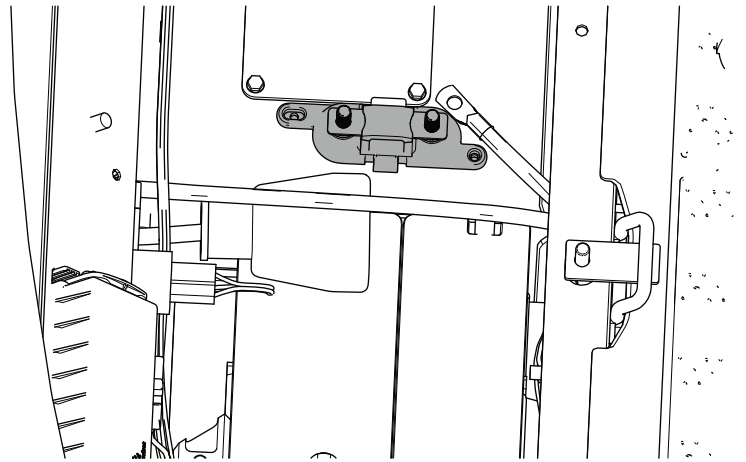
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12. Install the fuse block.



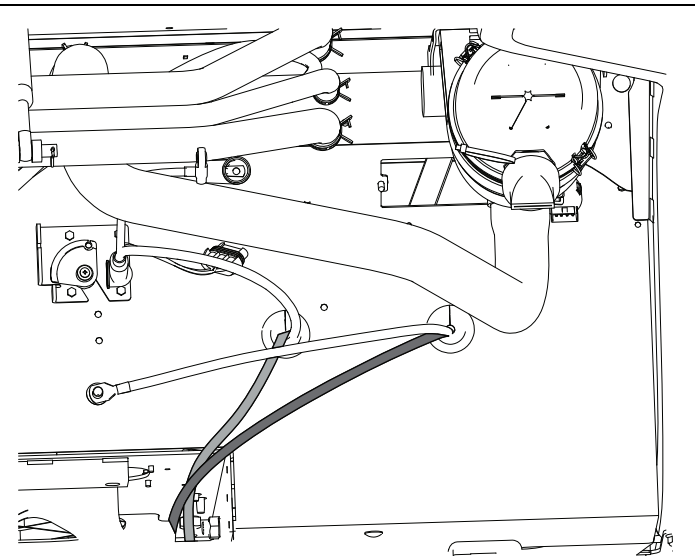
**Figure 8**

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**Figure 11**

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**Figure 9**

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11. Connect the black power/ground cable to the negative (-) battery terminal.

13. Connect the long positive cable to the fuse block.
14. Connect the short positive cable from the fuse block to the positive (+) battery terminal.

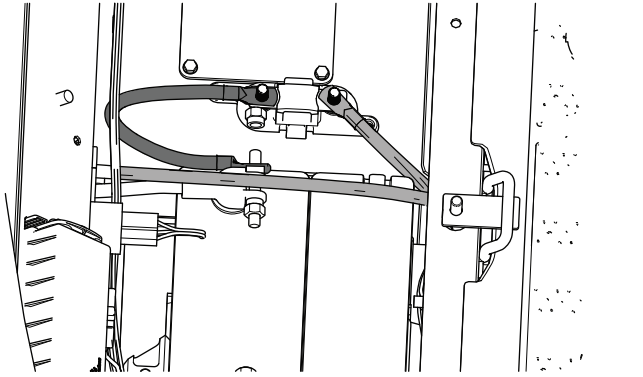


Figure 12

15. Insert the bracket fully into the dashboard pocket. Using the bracket as a template, mark the hole locations.

**⚠ WARNING**

Using a drill without wearing eye protection may allow debris to enter the eye, causing personal injury.

When drilling, always wear eye protection.

16. Drill the holes into the panel using a 5/16 drill bit.
17. Install the bracket to the console using 2 bolts (1/4-20 x 3/4 inch) and 2 nuts (1/4 inch).

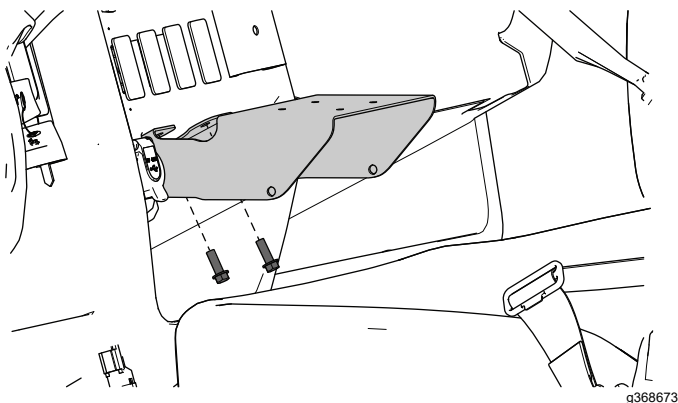


Figure 13

18. Using a 1-1/2 inch hole saw, make a hole in the top surface of the pocket for the controller wiring.
19. Loosely secure the pushbeam to the outside of the frame using 6 bolts (3/8-16 x 2 inches) and 6 nuts (3/8 inch).

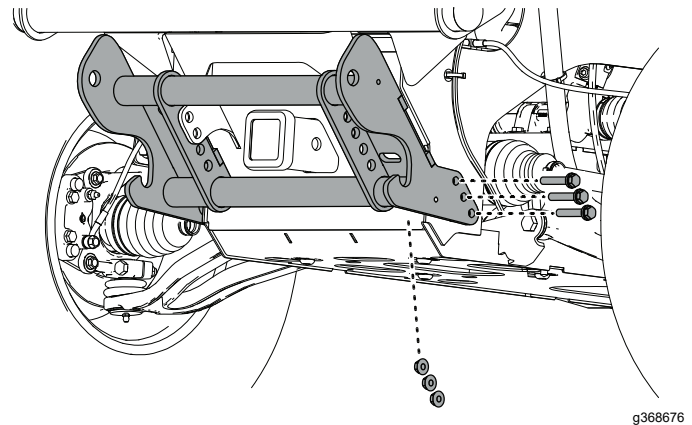


Figure 14

20. Loosely secure the pushbeam to the inside of the frame using 4 bolts (1/2-13 x 1-1/4 inches) and 4 nuts (1/2 inch).

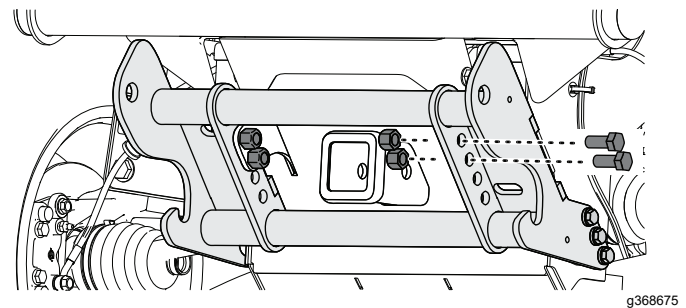


Figure 15

21. Install the vehicle side wire harness; refer to the *Installation Instructions* for that kit.
22. Torque all the fasteners to the following specifications:
  - 1/2-inch bolts to 76 N·m (56 ft-lb)
  - 3/8-inch bolts to 31 N·m (23 ft-lb)