

BOSS Products limited consumer warranty and BOSS Products commercial warranty policies are located at www.BOSSPlow.com.

Patent www.ttcopats.com.

Safety

Installing this kit will change the weight of your vehicle. Ensure that your vehicle does not exceed the front gross-axle-weight rating (FGAWR), at any time. You may need to weigh the vehicle and add ballast or limit the payload of the vehicle to compensate.

Preparation

Ensure that only trained personnel install and perform maintenance on the equipment.

Never disable, remove, or relocate any sensors or other components related to the operation of the air bags in your vehicle.

Always follow the vehicle manufacturer's recommendations relating to snowplow or spreader installation. For recommended vehicle models, refer to the BOSS product selector tool at www.BOSSPlow.com.

Installation

⚠ WARNING

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.

Remove the key from the vehicle and disconnect the battery before installing this kit.

Note: You must install the Vehicle Wiring Kit before installing this kit.

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

Refer to [Figure 2](#) for all wire 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. Route the front vehicle-side wiring harness (3) through the grill/tow hook area of the vehicle up to the battery.

3. Connect the black power/ground cable to the negative (-) battery terminal and the red cable battery cable to the positive (+) battery terminal.

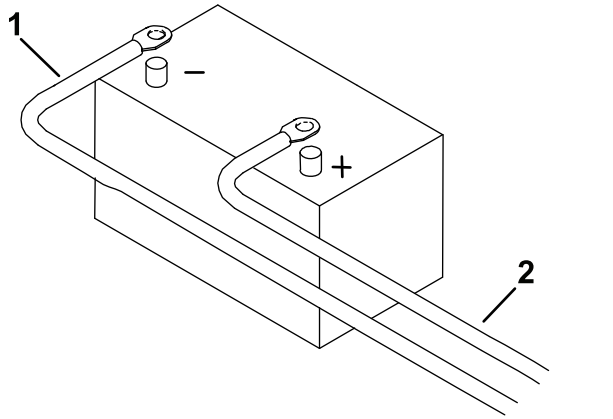


Figure 1

1. Black power/ground cable 2. Red battery cable

4. Secure the plow bumper plug (3.1) to the lower part of the bumper near the tow hook.
5. Connect the in-cab harness (previously installed) to the front vehicle-side wiring harness near the firewall. Secure the harness with cable ties. If this is the second device being connected, remove the 4-pin cap from the in-cab harness and plug the main vehicle-side harness in its place.

Note: For some applications, it is possible to integrate with the vehicle switch stalk to the control high beams.

If the vehicle switch stalk cannot be utilized to control high beams, an auxiliary high-beam push button switch (9), sold separately, can be installed as an alternative method to control high beams. The switch can be connected to the 4-pin connector on the in-cab harness.

6. If necessary, route the high-beam signal wire (7) into the cabin and connect it to the 4-pin connector on the in-cab harness (6.6) under the dashboard.

7. **RAM and GM vehicles only:** Install the feedback wire by following one the instructions below:
 - GM vehicles: Connect the feedback wire to the orange wire from the OEM snow plow wiring kit.
 - RAM vehicles: Connect the feedback wire to the black/violet wire located in the upfitter bundle under the fuse box.
8. Install the auxiliary high beam indicator (8) to the 2-pin connector (6.7) on the in-cab harness.
9. Plug in the hand control (11) to the 10-pin connector (6.3) in the cabin under the dashboard.
10. Secure the wire harness.
11. Test the wire harness installation as follows:

Note: Turn the vehicle ignition to the ON position before testing.

Note: If any of the lights fail to work, check the wiring and make any corrections.

- A. To test the plow low-beam lights, switch the vehicle headlights to the PARK position. This will disable the vehicle headlights to comply with Federal Motor Vehicle Safety Standards (FMVSS) when auxiliary plow headlights are present.

Note: For RAM trucks with the upfitter wires, switch the vehicle headlights to the ON/AUTO position.

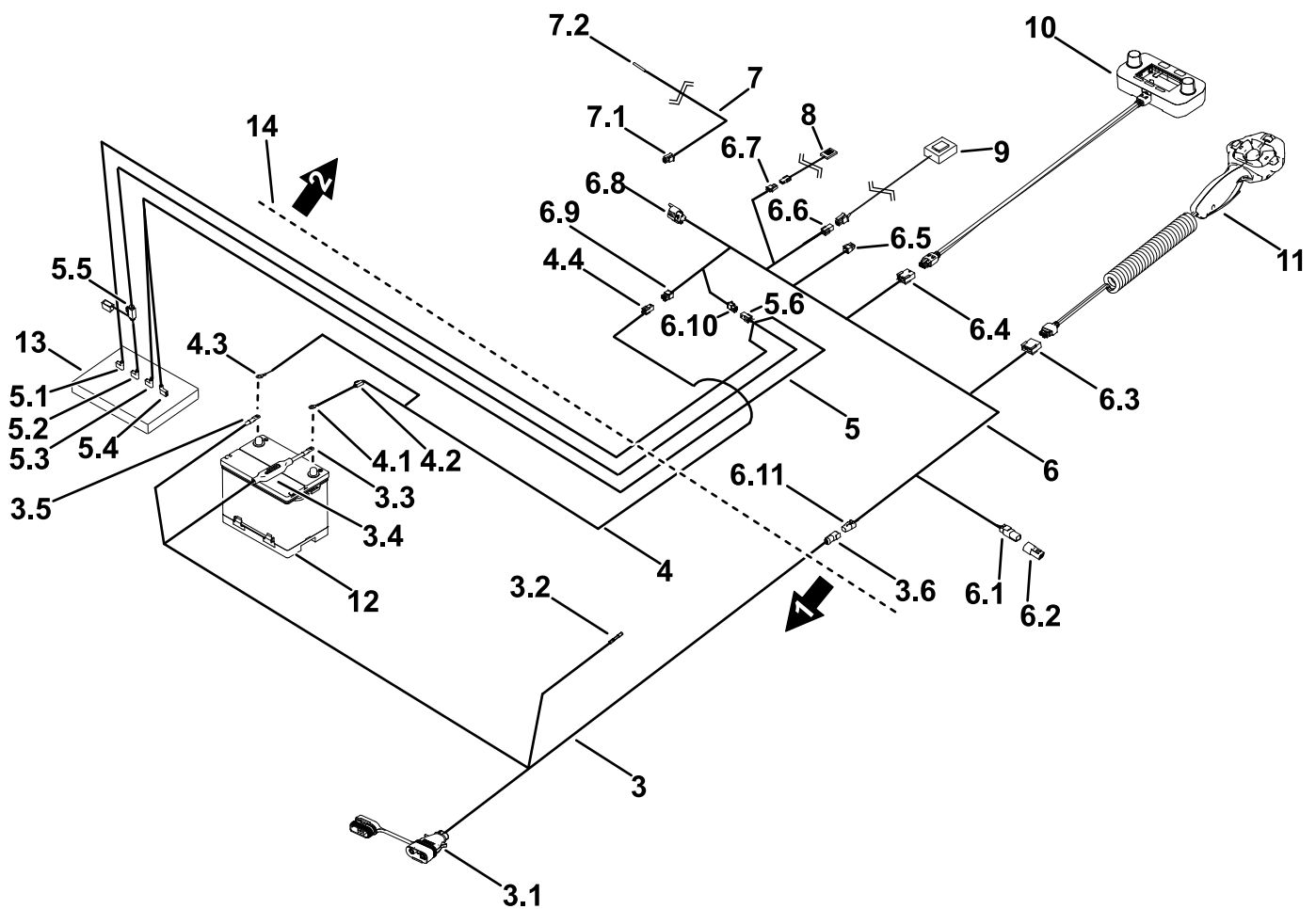
Only the plow low-beam and park lights should be illuminated.

- B. To test the plow high-beam lights, do the following:
 - Switch the vehicle headlights to the HIGH-BEAM position.
 - Ensure that the high-beam light indicator is illuminated.

Only the plow high-beam and low-beam and park lights should be illuminated.

- C. To test the plow and vehicle turn signals, do the following:
 - Activate the left or right vehicle turn signal.
 - Ensure that the appropriate vehicle turn-signal indicator is illuminated.

Both the vehicle and plow turn signals should flash.



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Figure 2
Wire connections

Ref.	Description	Ref.	Description	Ref.	Description	Ref.	Description
1	Engine compartment	4.3	Battery ground terminal	6.3	Accessory control (10 pin)	8	High beam indicator
2	Cabin	4.4	Vehicle integration (6 pin)	6.4	Accessory control (8 pin)	9	Auxiliary high beam switch (if equipped)
3	Front vehicle side harness	5	Light signal harness (previously installed)	6.5	Telematics (6 pin)	10	Spreader display (if equipped)
3.1	Plow bumper plug	5.1	Rear auxiliary signal connector	6.6	High beam switch signal (4 pin)	11	Plow hand control
3.2	Upfitter feedback wire (female butt splice)	5.2	Key switch power connector	6.7	Auxiliary high beam indicator (2 pin)	12	Vehicle battery
3.3	Power (B+) battery ring terminal	5.3	Left turn/brake signal connector	6.8	Diagnostic port (3 pin)	13	Vehicle signal source
3.4	300A fuse	5.4	Right turn/brake signal connector	6.9	Vehicle integration (6 pin)	14	Vehicle firewall
3.5	Ground battery ring terminal	5.5	10A fuse	6.10	Light signal connector (4 pin)		
3.6	Plow signal connector (4 pin)	5.6	Light signal connector (4 pin)	6.11	Boss accessory connector (4 pin)		
4	Power signal harness (previously installed)	6	In-cab harness (previously installed)	7	High beam signal harness		
4.1	Battery (B+) power ring terminal	6.1	BOSS accessory connector (4 pin)	7.1	4-pin connector		
4.2	2A fuse	6.2	Terminating resistor	7.2	Blunt cut end		

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S N O W P L O W