

Installation Instructions

2-PLUG SYSTEM

⚠ CAUTION

Batteries normally produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks, or lit tobacco to come near the battery. When charging or working near a battery, always cover your face and protect your eyes, and also provide ventilation.

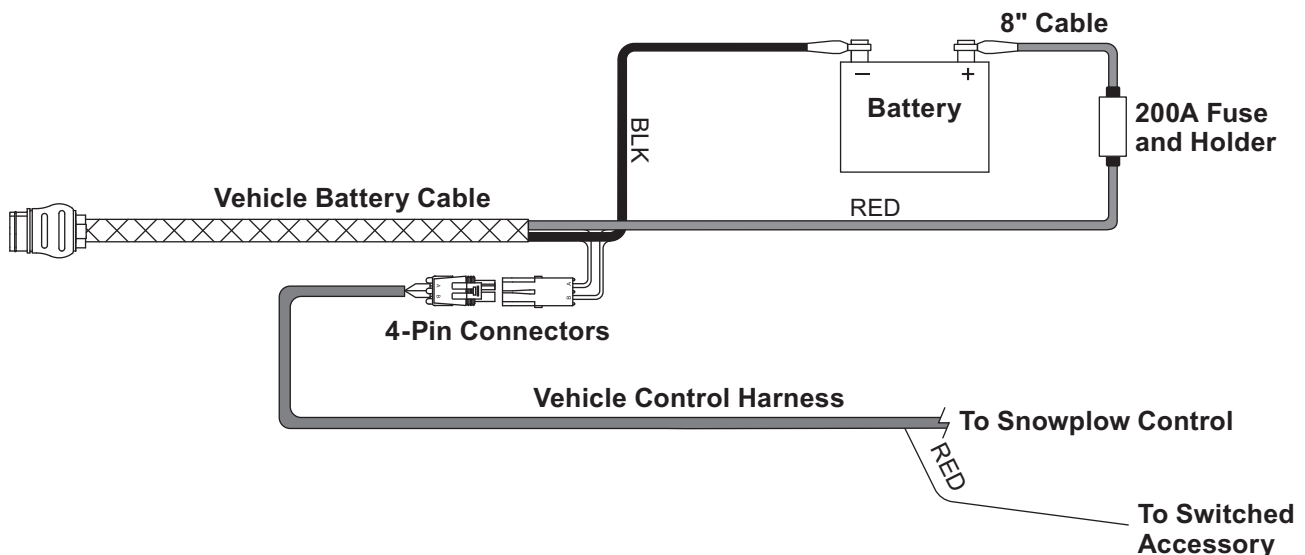
- Batteries contain sulfuric acid, which burns skin, eyes, and clothing.
- Disconnect the battery before removing or replacing any electrical components.

NOTE: Fuse holder and fuse are to be installed between the **POSITIVE (+)** vehicle battery terminal and the end of the supplied snowplow vehicle battery cable assembly.

NOTE: When instructed, make all snowplow battery cable connections to the auxiliary battery, if vehicle is so equipped.

NOTE: Use dielectric grease on all electrical connections to prevent corrosion. Fill receptacles and lightly coat ring terminals before assembly.

1. Turn OFF the vehicle ignition.
2. If previously connected, disconnect the snowplow vehicle cable assembly and both the **NEGATIVE (-)** and the **POSITIVE (+)** vehicle battery cables from the vehicle battery terminals.
3. Remove the fuse holder cover, loosen and remove the fuse holder nuts and lock washers. Install a 200A fuse into the fuse holder.
4. Attach one end of the supplied 8" cable to the fuse holder so that the ring terminal is on top of the fuse. Replace the lock washer and nut on this terminal and hand tighten the nut.
5. Attach the red lead from the snowplow vehicle battery cable to the second fuse holder terminal, placing the cable ring terminal on top of the fuse lead. Replace the lock washer and nut on this terminal and hand tighten the nut.
6. Torque the fuse holder nuts to 106–159 in-lb. Snap the fuse holder cover into place.
7. Connect the 8" cable from the fuse holder to the **POSITIVE (+)** battery terminal.
8. Reconnect the black cable to the **NEGATIVE (-)** battery terminal.



3-PLUG SYSTEM

⚠ CAUTION

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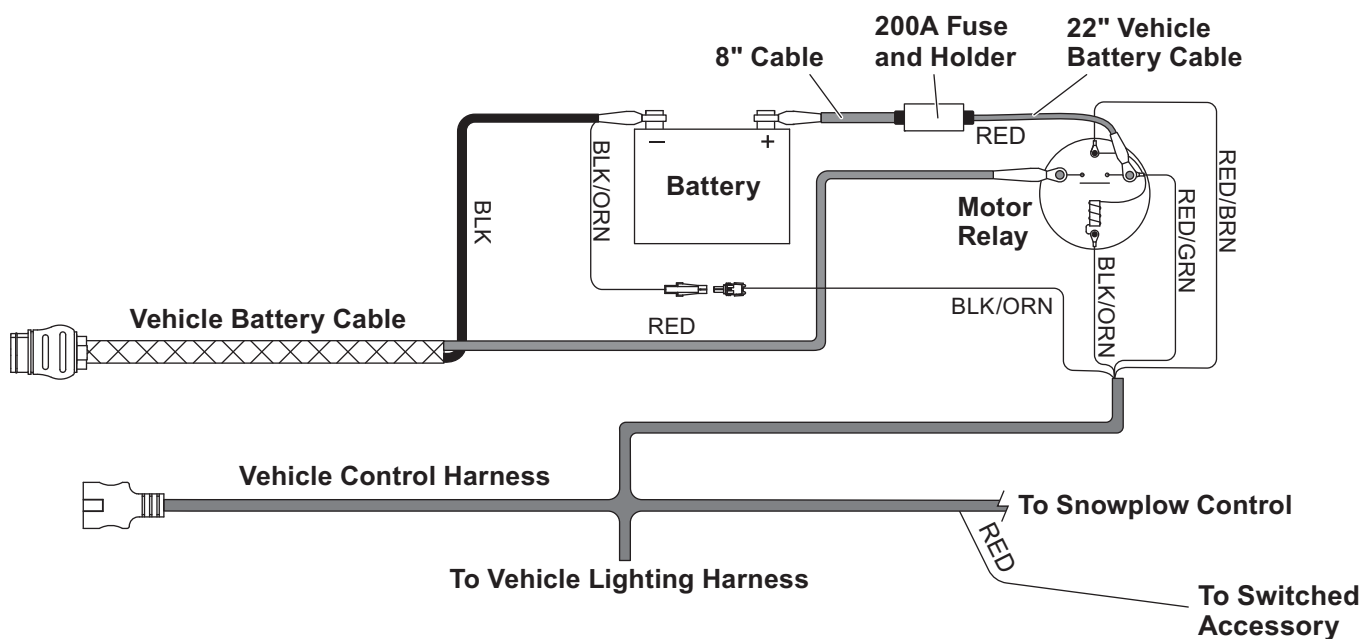
- Batteries contain sulfuric acid, which burns skin, eyes, and clothing.
- Disconnect the battery before removing or replacing any electrical components.

NOTE: Fuse holder and fuse are to be installed between the POSITIVE (+) vehicle battery terminal and the end of the supplied snowplow vehicle battery cable assembly.

NOTE: When instructed, make all snowplow battery cable connections to the auxiliary battery, if vehicle is so equipped.

NOTE: Use dielectric grease on all electrical connections to prevent corrosion. Fill receptacles and lightly coat ring terminals before assembly.

1. Turn OFF the vehicle ignition.
2. If previously connected, disconnect the snowplow vehicle cable assembly and both the NEGATIVE (-) and the POSITIVE (+) vehicle battery cables from the vehicle battery terminals.
3. Remove the fuse holder cover, loosen and remove the fuse holder nuts and lock washers. Install a 200A fuse into the fuse holder.
4. Attach one end of the supplied 8" cable to the fuse holder so that the ring terminal is on top of the fuse. Replace the lock washer and nut on this terminal and hand tighten the nut.
5. Attach the red battery cable lead from the motor relay to the second fuse holder terminal, placing the cable ring terminal on top of the fuse lead. Replace the lock washer and nut on this terminal and hand tighten the nut.
6. Torque the fuse holder nuts to 106–159 in-lb. Snap the fuse holder cover into place.
7. Connect the 8" cable from the fuse holder to the POSITIVE (+) battery terminal.
8. Reconnect the black cable to the NEGATIVE (-) battery terminal.



FOR VEHICLES REQUIRING 50" OR 90" EXTENDED BATTERY CABLE

⚠ CAUTION

Batteries normally produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks, or lit tobacco to come near the battery. When charging or working near a battery, always cover your face and protect your eyes, and also provide ventilation.

- Batteries contain sulfuric acid, which burns skin, eyes, and clothing.
- Disconnect the battery before removing or replacing any electrical components.

NOTE: When instructed, make all snowplow battery cable connections to the auxiliary battery, if vehicle is so equipped.

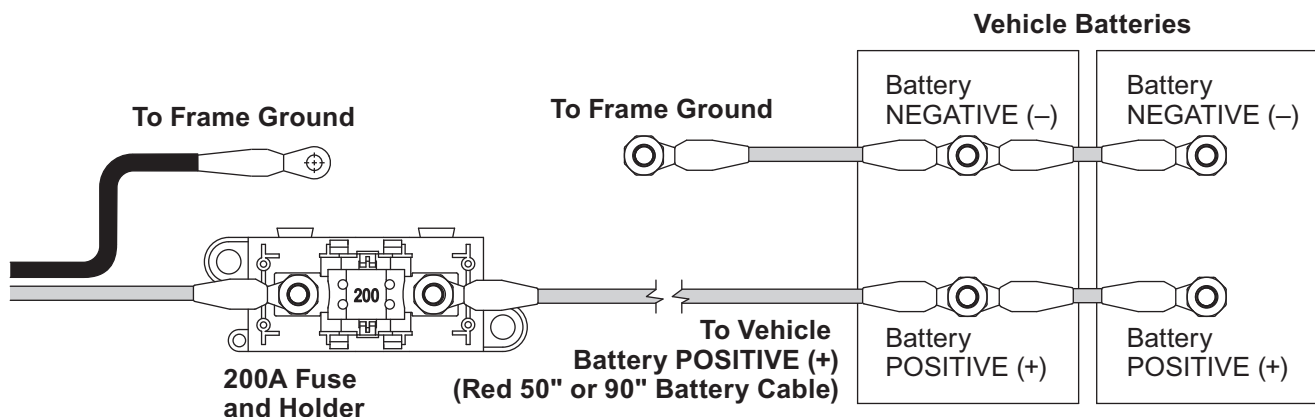
NOTE: For vehicles equipped with a tilt cab or tilt hood, a service loop will be necessary when making harness or cable transitions from the cab/hood to the frame. Check the cable installation for interference by raising and lowering the cab/hood a number of times. Add anti-chafing material (installer-supplied) as needed.

NOTE: Use dielectric grease on all electrical connections to prevent corrosion. Fill receptacles and lightly coat ring terminals and blades before assembly.

1. Turn OFF the vehicle ignition.
2. Disconnect both the NEGATIVE (–) and the POSITIVE (+) battery cables from the vehicle battery.
3. Route the supplied vehicle battery cable from the grille or bumper to the battery, avoiding any sharp edges and hot or moving parts. Cable tie only the end section closest to the grille.

The vehicle battery cable may need to be lengthened on vehicles with batteries located under or behind the cab. If lengthening of cables is necessary, use the supplied fuse holder as the junction block. Mount the fuse holder on a flat surface within reach of the red vehicle battery cable end.

4. Remove fuse holder cover, loosen and remove the fuse holder nuts and lock washers. Install a 200A fuse into the fuse holder.
5. Attach the red lead from the vehicle battery cable to the fuse holder so that the ring terminal is on top of the fuse. Replace the lock washer and nut on this terminal and hand tighten the nut.
6. Attach one end of either the 50" or 90" battery cable to the second fuse holder terminal, placing the cable ring terminal on top of the fuse lead. Replace the lock washer and nut on this terminal and hand tighten the nut.
7. Torque the fuse holder nuts to 106–159 in-lb. Snap the fuse holder cover into place.



8. Connect the red 50" or 90" battery cable from the fuse holder to the POSITIVE (+) battery terminal.
9. On vehicles with the batteries located under or behind the cab, connect the black wire from the vehicle battery cable to the frame using an existing hole or ground bolt. Prior to attaching, clean away any paint or dirt to ensure a good ground connection. The 4-position connector from the vehicle battery cable will connect to the mating connector (labeled "BAT") on the end of the vehicle control harness.

The company reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. This equipment manufacturer or the vehicle manufacturer may require or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. The company offers a limited warranty for all snowplows and accessories. See separately printed page for this important information.

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