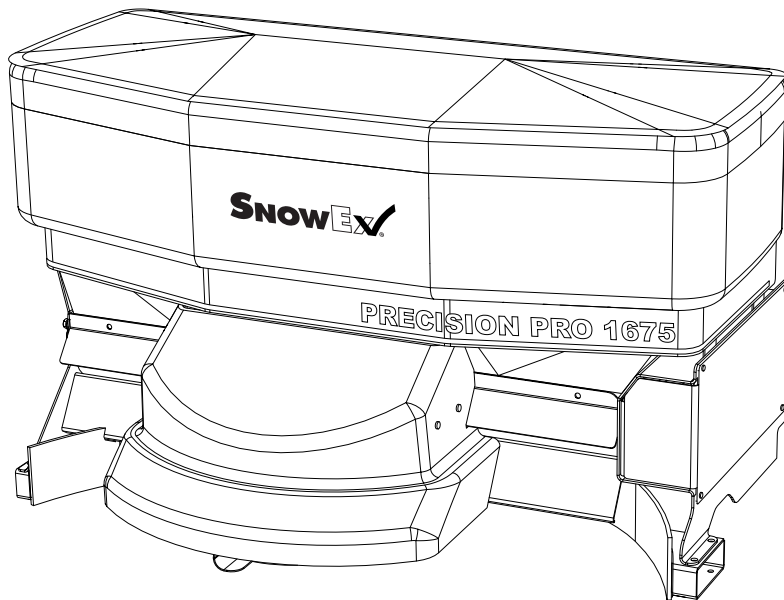


Installation Instructions

SNOWEX[®]

LEADERS IN ICE CONTROL



SP-1675

Serial No. X4-100000 and higher

SP-1975

Serial No. X5-100000 and higher



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CUSTOMER COPY

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Have a question or need assistance?

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These Installation Instructions have been designed to guide you while installing your Precision Pro Spreader. Follow these instructions with care to ensure performance and longevity.

Please read and understand the safety warnings associated with the installation and assembly of the spreader before beginning. In addition the safety information in the these instructions, observe general safety guidelines to maintain your safety and the safety of those around you. To install your Precision Pro, you will need a set of wrenches, an assortment of drill bits and some wire cutters (to cut zip-ties).



THIS SIGN SHOULD ALERT YOU:

This Safety Alert Symbol is used to pinpoint characteristics that, if not carefully followed, can create a safety hazard. When you see this symbol in this manual or on the machine itself, be alert – your safety and the safety of others is involved.

Defined below are the Safety Alert Messages.



DANGER

Information that, if not carefully followed, can cause death.



WARNING

Information that, if not carefully followed, can cause serious personal injury or death.



CAUTION

Information that, if not carefully followed, can cause minor injury or damage to equipment.



IMPORTANT

This symbol is used to call out information that is important to follow carefully.

FASTENER TORQUE CHART

Use this chart as a guide for tightening hardware.

Hand-tighten all fasteners until complete, then tighten to the recommended torque (unless specified otherwise in these instructions).

TORQUE CHART FT-LB	
Fastener	Recommended Torque (ft-lb)
1/4-20	6
5/16-18	13
3/8-16	23
7/16-14	35
1/2-13	55
9/16-12	80
5/8-11	110
3/4-10	200
7/8-9	320
1-8	480

Before attempting any procedure in this book, the safety information in this manual must be read and understood by all personnel who have any part in the installation, preparation, transport, service, repair or use of this equipment.

For your protection, safety and information decals have been placed on the spreader to remind the operator of safety precautions and particular hazards.

 **DANGER**

Remember it is better to have extra assistance and precautions in order to avoid injury.

Do not lift spreader by yourself, seek competent assistance before lifting spreader onto vehicle.

Park vehicle on level ground before installing the spreader.

Follow all vehicle safety information.

Only use the spreader in perfect condition and according to applicable regulations. Be aware of your surroundings and alert to what you are doing to reduce hazards. You should always repair faults which could influence the safety of the machine.

Personnel operating the spreader must read the Owner's Manual before using – especially all safety information. This includes people who occasionally work on or operate the machine such as for service and transport. A clear understanding of how to operate the machine will reduce dangers involved with operating powered equipment.

 **WARNING**

Keep all safety and hazard information for the machine complete and in readable condition. If the machine is altered with regard to its safety or its operational behavior, stop operation immediately and report the malfunction to the responsible department or person.

Personal protection equipment (PPE) must be worn to prevent accidental injury.

Rotating spinner causes flying debris, wear safety glasses with side protection.

Wear high-visibility clothing, especially when working around other machines, people and vehicles.

Use a flasher or other lighted beacon to warn people and other vehicles of your presence.

Use genuine SnowEx parts for replacement. These meet the specific technical requirements.

Suitable and adequate mechanic's equipment is required for performing maintenance and service procedures.

 **CAUTION**

Keep all safety and hazard information for the machine complete and in readable condition. If the machine is altered with regard to its safety or changes its operational behavior, stop operation immediately and report the malfunction to the responsible department or person.

Use genuine SnowEx parts for replacement. These meet the specific technical requirements.

Adequate mechanic's equipment is required for performing maintenance and service procedures.

Tractor

STEP 1

Find a convenient location in the cab to mount the controller. If using an open-top tractor, you can mount it to a fender. The u-shaped controller bracket can be mounted above or below the controller housing according to the surface you will be mounting it to.

(Dealers: Contact customer before mounting controller.)

STEP 2

Now that your mounting location has been established, mount the controller bracket, then mount the controller to the bracket. Assemble the controller to the bracket with the bolts and washers included; put the nylon washers in between the bracket and the controller housing. Use the provided screws to mount the bracket to the dash.

STEP 3

Route the Control Power Cable (D6341 – see Parts List for Diagrams) from the control to the battery. Follow some other wires, some hydraulic hoses or the frame. Avoid routing next to moving parts and hot components.

STEP 4

Connect the Control Power Cable to the battery. Coil the excess out of the way under the hood or tied to the frame.

STEP 5

Route the Vehicle Harness (D6322 – see Parts List for Diagrams) from the hitch to the controller. Allow for the last 12-18 inches at the plug end to hang loose. Secure with zip-ties, working back toward the controller. Coil excess out of the way of moving parts. (Try next to the seat; coiled at the base of the roll bar; or hanging beside the seat.)

STEP 6

Secure the Vehicle Harness with zip-ties. Do not mount near moving parts and hot components. Tie excess wire together and secure.

Step 7

Use bolt and nut (included with harness) to attach the Plug Cover to the Harness Plug.

NOTE

For maintaining the usefulness of your tractor in the off-season and to prevent damage to the controller and wiring: remove the controller and wiring and store indoors during the summer.

Utility Vehicle

These instructions are only applicable if you are using the SP-1675 with the TPR-020 Receiver Adapter.

STEP 1

Find a location on the dashboard to mount the spreader controller. This location should be easy to reach from the driver's seat and clear of switches and equipment on the surface of the dashboard and behind the dashboard.

STEP 2

Now that your mounting location has been established, mount the u-shaped bracket, then mount the controller to the bracket. Assemble the controller to the u-shaped bracket with the bolts and washers included; put the nylon washers in between the bracket and the controller housing. Use the provided screws to mount the bracket to the dash.

(Dealers: Contact customer before mounting controller.)

STEP 3

Route the Control Power Cable (D6341 – see Parts List for Diagrams) from the battery to the controller. Do not route near hot components or moving parts. Follow other wires and frame members. If you need to feed wire through a firewall or similar device, drill a 3/4" hole (you will need to disassemble the plug – see photos below). Connect to the control. Work back from the control, securing along the way with zip-ties. Coil extra wire out of the way in an open cavity (example: under the seat), secure with zip-ties. Connect to the battery.

STEP 4

Route the vehicle harness from control to the rear of the vehicle. Do not route near hot components and moving parts. Find a location along the way where extra wire can be coiled.

STEP 5

Connect the vehicle harness to the controller. Secure to harnesses/frame with zip ties. Coil the excess wire in the location from Step 4.

STEP 6

Mount the harness plug to the rear of the vehicle. Mount it where the tailgate and dump-body will not hit or crush it. (You can make your own bracket to mount the plug.) Mount plug angled downward so water will not collect in the plug. Mark the spacing of the holes for the plug using the plug as a guide. Drill these two holes at 1/4". Mount the plug to the bumper with the included #10 bolts and nuts. Make sure the Plug Cover's leash is attached to one of the bolts. Apply Dielectric Grease to the plug.

DISASSEMBLING PLUG TO FEED HARNESS INTO CAB



Use screwdriver to hold locking tab down while pulling the wire from the rear.

Pick-Up Truck

These instructions are only applicable if you are using the SP-1675 with the TPR-020 Receiver Adapter.

STEP 1

Find a location in the cab to mount the spreader controller. Make sure the area behind this location has room for wires to be routed and screws to come through the dashboard. The u-shaped controller bracket can be mounted above or below the controller according to the surface you will be mounting it to.

(Dealers: Contact customer before mounting controller.)

STEP 2

Now that your mounting location has been established, mount the controller bracket, then mount the controller to the bracket. Assemble the controller to the controller bracket with the bolts and washers included; put the nylon washers in between the bracket and the controller housing. Use the provided screws to mount the bracket to the dash.

STEP 3

Find a location along the firewall where wires and drilling will not interfere with any parts on either side of the firewall – this location will be where the wires to and from your spreader control will enter the cab. Mark this location and drill a 3/4" hole.

STEP 4

Route the Control Power Cable (D6341 – see Parts List for Diagrams) from the battery, along the fender, along the firewall, into the cab and connect to the control (make sure POWER switch is in the off position). Work back from control, securing the harness with zip-ties. Stop at the fender. (You will need to disassemble the plug to get the harness through the firewall – see photos on previous page.)

STEP 5

Connect the Control Power Cable to the battery. If installing on a vehicle with two batteries, connect to the primary battery.

STEP 6

Coil excess Cable in the engine bay; secure with zip-ties.

STEP 7

Route the Vehicle Harness (D6322 – see Parts List for Diagrams) from the rear of the vehicle, along the frame, into the engine bay, along the firewall, into the cab and to the control. Connect to the control.

STEP 8

Work from the control to the rear of the truck, securing the harness with zip-ties. Stop at the gas tank.

STEP 9

Mount the harness plug to the bumper of the vehicle. You can make your own bracket to mount in a location you prefer. Mount plug angled downward slightly so water will not collect in the plug. Mark the spacing of the holes for the plug using the plug as a guide. Drill these two holes at 1/4". Mount the plug to the bumper with the included #10 bolts and nuts. Make sure the Plug Cover's leash is attached to one of the bolts. Apply Dielectric Grease to the plug.

STEP 10

Secure the harness to the frame from the bumper toward the front of the vehicle. Coil excess wire and tie together. Secure above the gas tank. Secure all loose wire.

Mounting Instructions



ATTACHING TO UTILITY VEHICLE OR PICK-UP TRUCK

If you are using a TPR-020 insert the hitch into your receiver. Lock with Hitch Pin and Cotter Pin (included with TPR-020). Plug Spreader Harness into Vehicle Plug and you are ready to begin spreading.



TPR-020 with Precision Pro 1675 on pickup truck.



Hitch.

ATTACHING TO TRACTOR

To attach to your tractor's three-point hitch, simply back up to the spreader frame. Lower the hitch and attach to the spreader; plug harnesses together. Once attached, raise spreader 12 to 18 inches above the ground.

Begin spreading.



Adjust the top link so the Spreader is vertical.



View of Attachment Points.

