

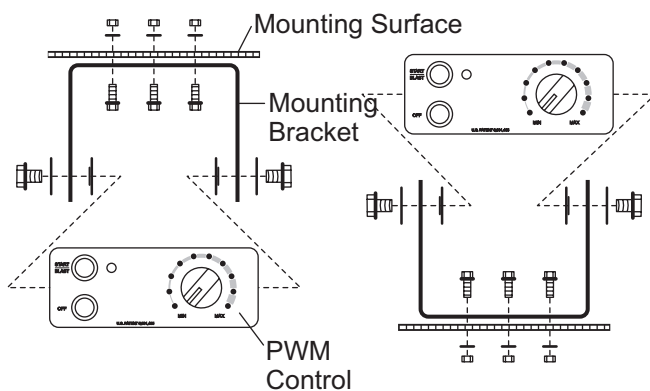
# TAILGATE SPREADER VARIABLE SPEED (PWM) CAB CONTROL

## INSTALLATION INSTRUCTIONS

### **⚠ WARNING**

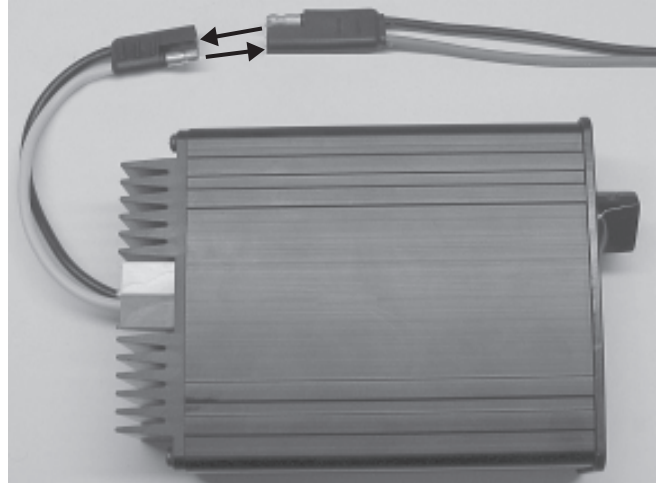
Do not install this product in deployment path of an air bag. Refer to vehicle manufacturer's manual for air bag deployment area(s).

**NOTE:** The cab control can be top or bottom mounted using the supplied mounting bracket or an existing snowplow control bracket.

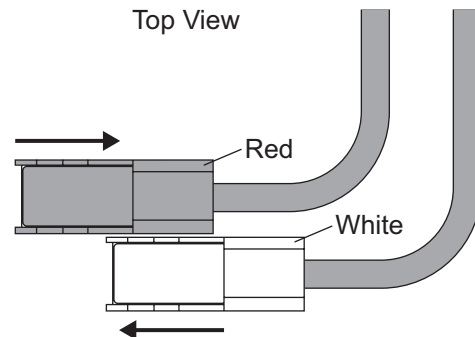


1. Locate a convenient position in the cab to mount the control that will not interfere with other equipment and will avoid unintentional starting of the spreader.
2. Attach the mounting bracket to the vehicle with three #10-24 x 3/8" tapping screws, #10 spring lock washers and #10-24 hex nuts as shown.
3. Place the control with a 1/4" nylon washer on each side into the mounting bracket and secure with the 1/4-20 x 3/8" machine screws and flat washers through the nut inside the slot on each side.

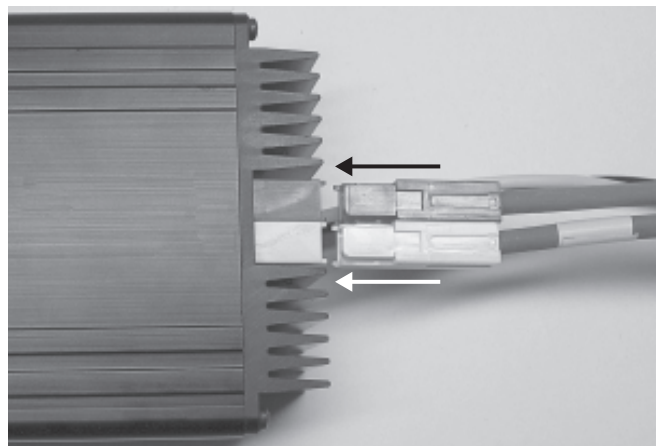
4. Plug the 2-way molded connector from the vehicle wiring harness into the matching connector extending from the rear of the cab control.



5. The red and white connectors on the ends of the two red 8-gauge wires are interlocking. Lock the connectors together.

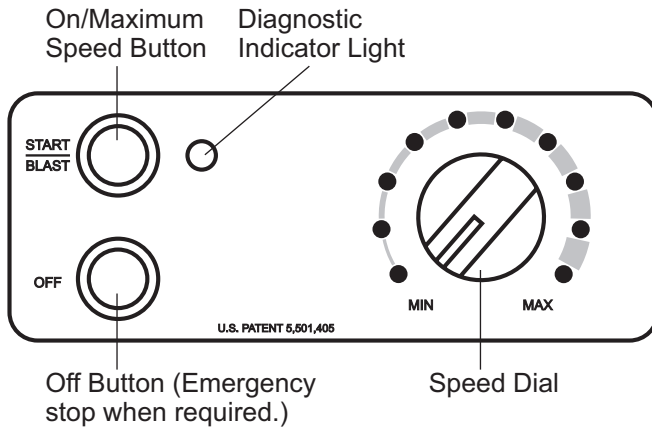


6. Connect the interlocked connectors from Step 5 to matching connectors located on the back of the control. Match red with red, and white with white.



# TAILGATE SPREADER VARIABLE SPEED (PWM) CAB CONTROL

## OPERATING INSTRUCTIONS



## Starting and Stopping the Motor

### **⚠ WARNING**

**Before starting the spreader, the driver shall verify all bystanders are a minimum of 25 feet away from operating spreader.**

1. To start the spreader motor, press the START/BLAST button and release. Both the START/BLAST and OFF buttons will be backlit when the motor is running. The spreader will operate at the speed selected on the speed dial.
2. Press the OFF button to stop the motor. The OFF button operates as emergency stop when required.

**NOTE: The truck ignition must be on to start the spreader.**

**NOTE: If the truck ignition is turned off while the spreader is running, the motor will stop.**

## Adjusting the Spinner Speed

The speed setting can be adjusted when the spreader is either on or off.

1. Turn the speed dial clockwise. The speed will increase as the number of green LED's illuminated on the speed dial increase.
2. Turning the speed dial counterclockwise will decrease the speed.

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. Do not exceed vehicle ratings with a spreader. The company offers a limited warranty for all spreaders. See separately printed page for this important information.

## Blast/Maximum Speed

1. Press and hold the START/BLAST button as long as maximum speed is needed.
2. Release the button when maximum speed is no longer needed. The control automatically returns to the ON position and the speed shown on the speed dial.

**NOTE: When blast is used, the speed dial does not move to the maximum speed setting, but remains at the preset speed.**

## Diagnostic Indicator Light

The diagnostic indicator light located to the right of the START/BLAST button remains dark unless a problem with the motor or wiring is detected. The light will flash a number of flashes in a row, pause, then repeat. Count the flashes to determine the nature of the malfunction and refer to the diagnostic chart below.

# of Flashes	Problem	Possible Causes
0	No Fault	—
2	No Power	Battery fuse is blown, or battery cable is disconnected or faulty.
3	No Motor	Motor is disconnected.
4	No Ground	Spreader harness ground is disconnected or faulty.
5	Overheated	Motor off due to controller overheat, possibly due to frozen or jammed spreader.
6	Excess Current	Over 35A for more than 1-2 seconds. (Higher overloads are allowed for shorter periods of time.)

**NOTE: Always place the cover on the hopper to prevent moisture buildup. Do not let the spreader sit idle with material in the hopper for an extended period of time. This can cause the material to compact and reduce or stop the flow of material.**