

CONTROL KITS

POWER PLOW® Joystick Control

OPERATING INSTRUCTIONS

⚠ WARNING

To prevent accidental movement of the blade, always turn the ON/OFF switch to OFF whenever the snowplow is not in use. The control indicator light will turn off.

1. Turn the vehicle ignition switch to the "ON" or the "ACCESSORY" position.
2. Move the slide switch on the side of the control to the "ON" position. The power indicator light glows red, indicating the control is ON. The indicator light glows red whenever the control and the vehicle ignition switch are both ON and the electrical connections to the snowplow are completed.

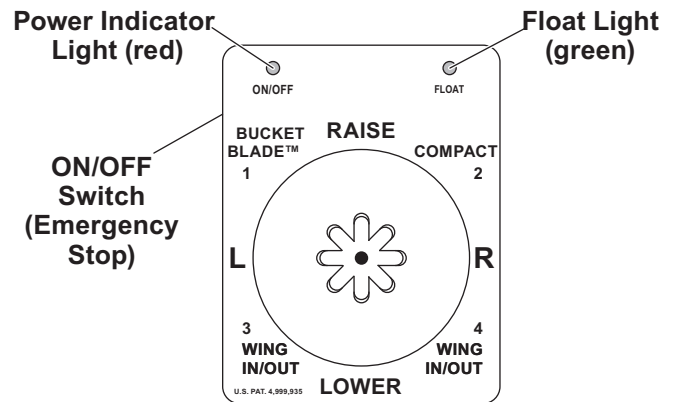
The ON/OFF switch operates as an emergency stop if required.

Function Time-Outs

All control functions, except LOWER/Float, time out (stop) automatically after a period of time. This is to limit the amount of electrical energy required from the vehicle.

NOTE: If control function times out before desired blade movement is complete, release the lever to the center position, then move back toward the desired function.

The control will automatically turn OFF after being idle for 20 minutes. To reactivate the control after a shut down, move the ON/OFF switch to OFF, then back to ON.



Smooth Stop

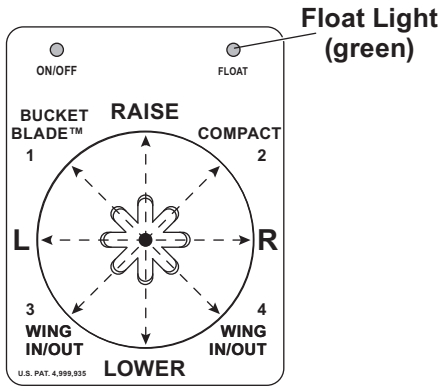
The control automatically allows the blade to coast to a stop when the lever is released. This results in smoother operation, reduces shock to the hydraulic system and increases hose and valve life.

Control Lever Movement

From the center position, the control lever can be moved in one of eight (8) directions to control various movements of the snowplow blade. To change from one movement of the blade to another, the control lever must be moved back to the center position before selecting the desired function. Whenever the lever is released, it should spring back into the center position to stop any blade movement.

Control Functions

Raise, Lower, Float, Angle



Moving the control lever in straight lines up and down or from side to side on the control body will result in the following blade movements:

Function	Description of Operation
RAISE	Move control lever toward top of control body to raise snowplow and cancel FLOAT mode. Function times out after 6.25 seconds.
LOWER	Move the control lever toward bottom of control body to lower the snowplow. Release the lever to stop blade at desired height.
FLOAT	Move the control lever to LOWER position and hold for 3/4 second to activate this mode. The FLOAT indicator light in upper right corner of control face will illuminate. The blade will lower to the ground surface and follow the contour of surface as it dips or raises. Function does not time out; however, control will shut down after 20 minutes of nonuse. Move lever to RAISE position momentarily to cancel FLOAT. Angling left or right will interrupt (stop) FLOAT function, but FLOAT will resume when angling is complete.
L (Angle Left)	Move the control lever straight to the left to move the blade to the angle left position to cast snow to the driver's left side. Function times out after 4.5 seconds.
R (Angle Right)	Move the control lever straight to the right to move the blade to the angle right position to cast snow to the driver's right side. Function times out after 4.5 seconds.

NOTE: If control function times out before desired blade movement is complete, release the lever to the center position, then move back into the desired function.

BUCKET BLADE™/COMPACT Blade Position

Moving the control lever from center position toward the word BUCKET BLADE or COMPACT on the face of the control body will cause both wings to move at the same time into the following blade positions:

Function	Description of Operation
BUCKET BLADE™	Move the control lever toward the words BUCKET BLADE on the control face to extend both wings forward into the BUCKET BLADE position. Function times out after 7.25 seconds.
COMPACT	Move the control lever toward the word COMPACT on the control face to draw both wings into the fully retracted position. Function times out after 5.5 seconds.

Wing Positions

Moving the control lever from center position toward the word WING on either side of the face of the control body will cause either wing to move independently of the other as described below.

Function	Description of Operation
L WING IN/OUT	Move the control lever toward the left side of LOWER on the control face to move the left wing. The first time the lever is moved into the slot after the control is turned ON or another function is used, the wing will extend. Repeated use of lever in the same slot, without using another function, results in movement in the opposite direction from the previous movement. Function times out after 4.5 (IN) or 4.5 (OUT) seconds.
R WING IN/OUT	Move the control lever toward the right side of LOWER on the control face to move the right wing. The first time the lever is moved into the slot after the control is turned ON or another function is used, the wing will extend. Repeated use of lever in the same slot, without using another function, results in movement in the opposite direction from the previous movement. Function times out after 4.5 (IN) or 4.5 (OUT) seconds.

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