



A DIVISION OF DOUGLAS DYNAMICS, LLC



Western Products  
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96400 WIDE-OUT™  
96700 MVP PLUS™  
and 96369 MVP®  
**JOYSTICK CONTROLS**  
Operating Instruction

### **⚠ WARNING**

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

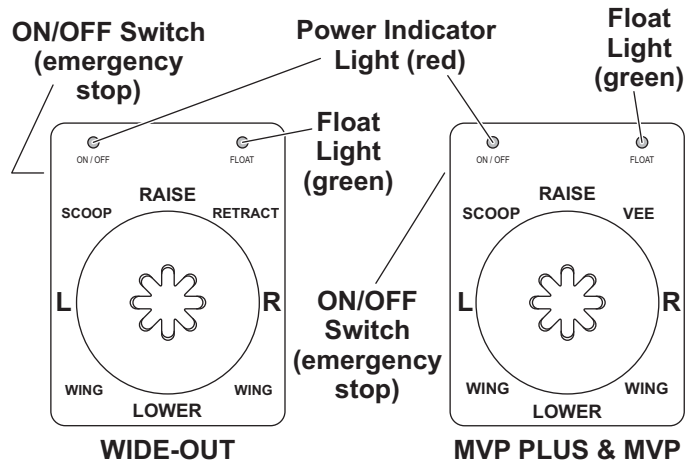
1. Turn the vehicle ignition switch to the "ON" or the "ACCESSORY" position.
2. Move the slide switch on the side of the control to the "ON" position. The power indicator light glows red, indicating the control is ON. The indicator light glows red whenever the control and the vehicle ignition switch 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. While the operation of the WIDE-OUT, MVP, and MVP PLUS controls are the same, the time-outs are written into the programming and vary by snowplow model.

**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

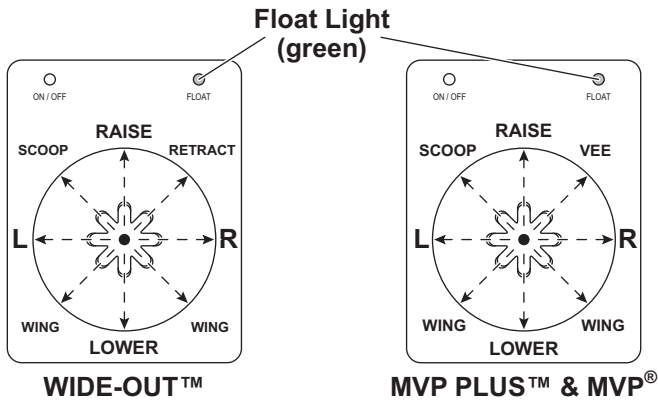
The control automatically allows the blade to coast to a stop when the lever is released. This results in smoother operation, reduces the shock to the hydraulic system, and increases hose and valve life.

## 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
<b>RAISE</b>	Move control lever toward top of control body to raise snowplow and cancel FLOAT mode.
<b>LOWER</b>	Move control lever toward bottom of control body to lower snowplow. Release lever to stop blade at desired height.
<b>FLOAT</b>	Move control lever to LOWER position and hold for 3/4 second to activate this mode. FLOAT indicator light in upper right corner of control face will illuminate. Blade will lower to ground surface and follow 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 <b>RAISE</b> position momentarily to cancel FLOAT. Angling left or right will interrupt (stop) FLOAT function (MVP only), but FLOAT will resume when angling is complete.
<b>L (Angle Left)</b>	With wings in a straight line, move control lever straight to the left to move both wings to angle left position. Left wing retracts while right wing extends to cast snow to driver's left side (V-plows).
<b>R (Angle Right)</b>	With wings in a straight line, move control lever straight to right to move both wings to angle right position. Right wing retracts while left wing extends to cast snow to driver's right side (V-plows).

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**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.

## Scoop/Retract (Vee) Blade Position

Moving the control lever from center position toward the word "SCOOP" or "RETRACT" (vee) 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
<b>SCOOP</b>	Move control lever toward the word SCOOP on control face to extend both wings forward into scoop position.
<b>RETRACT (VEE)</b>	Move control lever toward the word RETRACT (vee) on control face to draw both wings into the fully retracted (vee) position.

## Wing Positions

Moving the control lever from center position toward the word WING or WING IN/OUT 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
<b>L WING &amp; WING IN/OUT</b>	Move control lever toward the left side of <b>LOWER</b> on the control face to move the left wing. The first time lever is moved into slot after control is turned ON, or another function is used, wing will extend. Repeated use of the lever in the same slot, without using another function, results in movement in opposite direction from previous movement.
<b>R WING &amp; WING IN/OUT</b>	Move control lever toward the right side of <b>LOWER</b> on the control face to move the right wing. The first time lever is moved into slot after control is turned ON, or another function is used, wing will extend. Repeated use of the lever in the same slot, without using another function, results in movement in opposite direction from previous movement.