



WESTERN PRODUCTS
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dd A DIVISION OF DOUGLAS DYNAMICS, L.L.C.

96600 MVP PLUS™
96500 WIDE-OUT™ and
96462 MVP® CabCommand
HAND-HELD CONTROLS

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.

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.

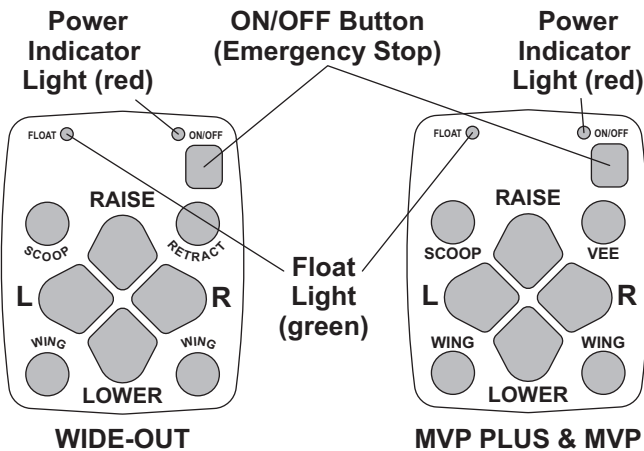
While the operation of the WIDE-OUT, MVP PLUS and MVP control are the same, the time-outs vary. See the table below for each control's time-out by function.

NOTE: If control function times out before desired blade movement is complete, release button and press again.

The control will automatically turn off after being idle for 20 minutes.

Smooth Stop

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

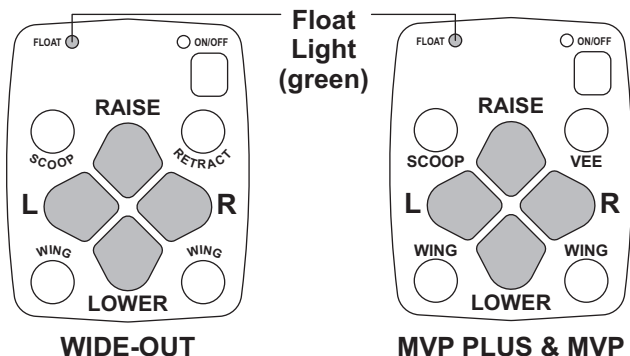


1. Turn the vehicle ignition switch to the ON or the ACCESSORY position.
2. Press the ON/OFF switch on the control. The control indicator light glows red, indicating the control is on. The indicator light glows red whenever the control and the vehicle ignition switch are both on and the electrical connections to the plow are completed.

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

Control Functions

Raise, Lower, Float, Angle

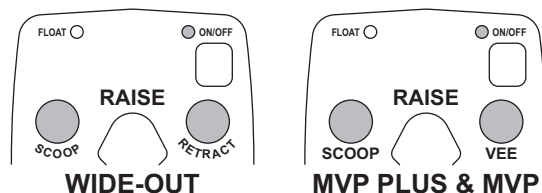


The four diamond-shaped buttons in the center of the control face, when pressed, will result in the following blade movements:

Function	Description of Operation
RAISE	Press this button to raise snowplow and cancel FLOAT mode. Function times out after 3.5 (WIDE-OUT), 4.0 (MVP PLUS) or 3.0 seconds (MVP).
LOWER	Press this button to lower snowplow. Release button to stop blade at desired height.
FLOAT	Press LOWER button and hold for 3/4 second to activate this mode. FLOAT indicator light in upper left 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. Press RAISE button momentarily to cancel FLOAT. Angling left or right will interrupt (stop) FLOAT function (MVP only), but FLOAT will resume when angling is complete.
L (Angle Left)	With wings in a straight line, press L button to move both wings to angle left position. Left wing retracts while right wing extends to cast snow to driver's left side. Function times out after 3.25 (WIDE-OUT), 3.0 (MVP PLUS) or 5.5 seconds (MVP).
R (Angle Right)	With wings in a straight line, press R button to move both wings to angle right position. Right wing retracts while left wing extends to cast snow to driver's right side. Function times out after 3.25 (WIDE-OUT), 3.0 (MVP PLUS) or 5.5 seconds (MVP).

NOTE: If control function times out before desired blade movement is complete, release button and press again.

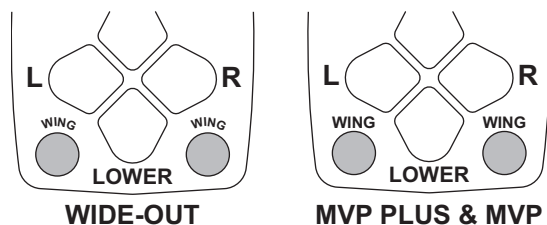
Scoop/Retract (Vee) Blade Position



The two round buttons located to the left and right of the RAISE button move both wings at the same time into the following blade positions:

Function	Description of Operation
SCOOP	Press this button to extend both wings forward into scoop position. Function times out after 5.5 (WIDE-OUT & MVP) or 5.0 seconds (MVP PLUS).
RETRACT (VEE)	Press this button to draw both wings into the fully retracted (vee) position. Function times out after 4.5 (WIDE-OUT), 3.0 (MVP PLUS) or 5.5 seconds (MVP).

Wing Positions



The two round buttons located to the left and right of the LOWER button move either wing independently of the other as described below.

Function	Description of Operation
L WING	Press this button on left side of control to move left wing. The first time button is pressed after control is turned on, or another function is used, wing will extend. Repeated use of the same button, without using another function, results in movement in opposite direction from previous movement. Function times out after 3.25 (WIDE-OUT – IN), 3.75 (WIDE-OUT – OUT), 3.0 (MVP PLUS) or 5.5 seconds (MVP).
R WING	Press this button on right side of control to move right wing. The first time button is pressed after control is turned on, or another function is used, wing will extend. Repeated use of the same button, without using another function, results in movement in opposite direction from previous movement. Function times out after 3.25 (WIDE-OUT – IN), 3.75 (WIDE-OUT – OUT), 3.0 (MVP PLUS) or 5.5 seconds (MVP).

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