

Installation Instructions

Part No. 22690DC Pistol Grip Controller

Installation & Operation

INSTALLATION INSTRUCTIONS

When installing motor solenoid part number 15370 (per form number 1-841) or if motor solenoid is already installed on the vehicle, the enclosed diode part number 15059, must be connected to the small terminal with white wire of the motor solenoid and to the motor solenoid mounting bracket as shown below. **Note: Motor Solenoid must have a good ground in order to operate properly.** The 22717 control adapter shown below is only needed when replacing a 22154 Touchpad. The orange wire of the adapter can be connected to the orange wire on the back of the plow light switch. The plow light switch could then be removed along with the black and red wires which were connected to the plow light switch.

4 Post Motor Solenoid





SNOW PLOW CONTROLLER OPERATION

22717 Adapter



Blue wire to reverse signal.
To orange wire from plow light switch.

3 Post Motor Solenoid



Imprinted on backside of Controller

Systems Monitor LED Read-Out Light Flashes Check Coil (wire Color)
Continuous Light----Motor Solenoid
1 Light Flash----Red
2 Light Flashes----Black
3 Light Flashes----Green
4 Light Flashes----Yellow
5 Light Flashes----Lt. Blue
6 Light Flashes----Purple

The snow plow should only be in operation when the vehicle ignition switch and the control switch are in the "ON" position. Care should be taken to insure that the control switch is kept dry and free from moisture during normal operation.

"By tapping the ON/OFF pad once, it will turn ON the snow plow headlights only. The plow will be OFF. The ON/OFF pad will illuminate AMBER. By tapping the ON/OFF pad again it will turn OFF the headlamps and the pad illumination. When the ON/OFF pad is continuously depressed for more than 1 second, it will turn ON the plow control switch and the snow plow headlights. The pads will illuminate GREEN showing the location of the individual touch pads for the functions of the snow plow Raise, Angle Left, Angle Right and Lower. By continuously depressing the ON/OFF pad a second time for more than 1 second, it will turn OFF the plow control switch, snow plow headlights and the Green pad illumination."

Lowering of the snow plow an inch at a time is possible by tapping the Lower arrow in short intervals. Holding down the Lower arrow will activate a float light located in the upper right corner of the control switch. This light indicates the snow plow is now in the Lower/Float position. In this position the snow plow will be able to follow the contour of the road and the snow plow can also be angled to the left or right. Touching the Raise arrow automatically cancels the Lower/Float position.

While angling left or right or raising the snow plow if the button is pressed for more than four seconds the operation will be cancelled. This feature eliminates unnecessary amp draw from the vehicle charging system.

"By double clicking the Raise, Angle Left, Angle Right or Lower arrows quickly, the control switch will automatically move the plow to the maximum desired position then stop."

Hands-Free Plowing or ALM/ARM

Meyer re-branded the ALM/ARM feature on its 22690DC controllers to be Hands-Free Plowing (HFP)™. When activated, the Hands-Free Plowing (HFP) mode uses the vehicle's shift lever to control the up/down movement of the moldboard. Pressing the HFP button on the controller will toggle you through: On/Off, Back-drag Mode (default mode when active), and Forward Plowing Mode.

Back-dragging Mode or ALM

When the controller is on and you are in the conventional plow control mode, pressing the HFP button will activate Hands-Free Plowing (HFP). The default mode for HFP is the Back-drag Mode. In the Back-drag Mode, the moldboard will automatically lower when you put the vehicle in reverse. Put the vehicle in drive to automatically raise the moldboard.

Forward Plowing Mode or ARM

To activate the Forward Plowing Mode when HFP is already on, press the HFP button once. The moldboard will automatically lower when you put the truck into drive. When you reach the end of a run, the moldboard will automatically raise when you put the vehicle in reverse. To turn the HFP feature off, press the HFP button until you see the HFP light go off.

This switch is self diagnosing. The monitor light is located in the upper left corner next to the float light of the control switch. When the monitor light turns on and begins to flash the control switch is sensing a problem with a specific coil/connection on the hydraulic unit. The label below is on the back side of your control switch.

Reset is accomplished by turning off the ignition switch or by turning the power switch off momentarily and then back on. If the monitor light is still illuminated after attempts to reset the switch have failed, contact your nearest authorized Meyer Distributor for repairs.

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