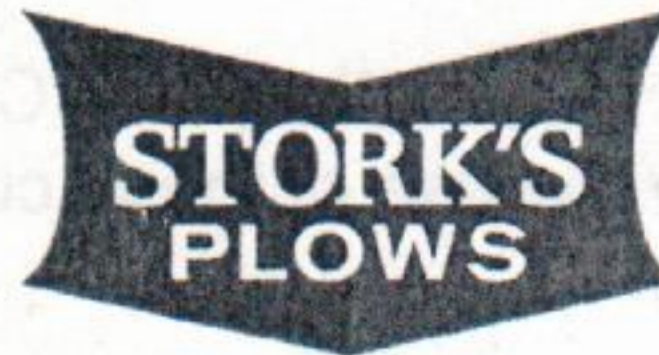


VEE BLADE PLUG-N-PLOW HANDHELD CONTROL



1. Turn the vehicle ignition switch to the ON position.
2. Turn the ON/OFF switch on the control to the ON position. The control keypad will glow green, indicating the control is on.

NOTE: The ON/OFF switch can be used as an emergency stop when required.

3. Press the DOWN button for 2.5 seconds to engage the FLOAT mode. The FLOAT indicator light, located in the center of the keypad, will change from green to red. To cancel the FLOAT mode, momentarily press the UP button. FLOAT mode will automatically cancel after 20 minutes, and the FLOAT indicator light will turn back to green. To restart FLOAT mode, repeat step 3.

- BOSS
- CURTIS
- SNOWDOGG
- MEYERS V-68 & V70
- MEYERS V-71
- HINIKER (Single Acting Cylinders)
- HINIKER (Double Acting Cylinders)
- WESTERN (14-Pin)
- FISHER (14-Pin)
- MEYERS (9-Pin) V-66
- AIRFLO
- ARCTIC

Blade Operation Time Outs

All control functions automatically time out (shut off) after a period of time. This helps reduce wear on the pump motor and prevent unnecessary battery drain. All functions will time out after 6 to 8 seconds.

Automatic Shutdown

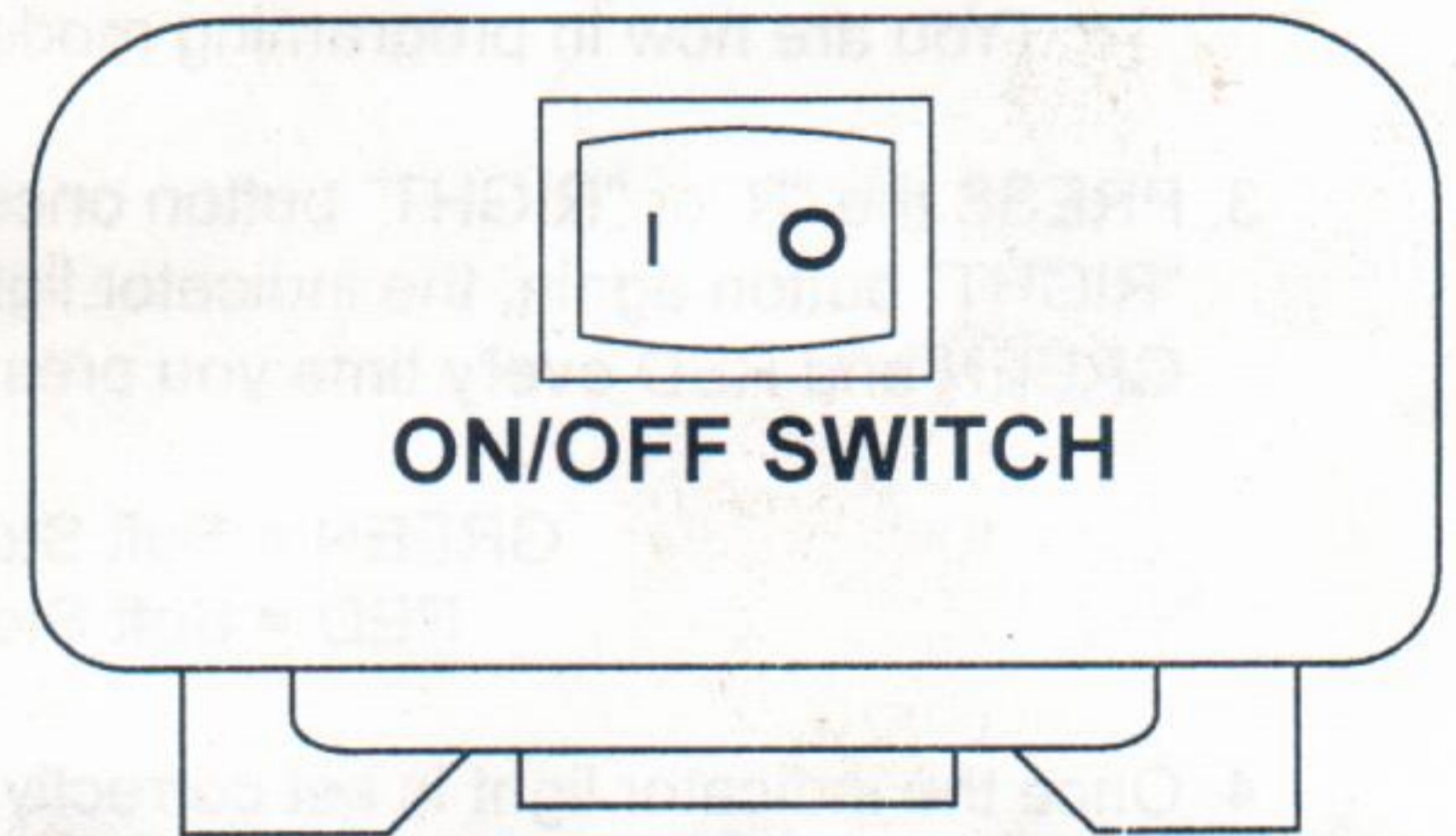
After being idle for approx. 22 minutes, the control will automatically turn off and the indicator light located at the center of the keypad will blink from red to green. To restart the control, turn the control OFF (ON/OFF switch) and then back ON.

Soft Stop

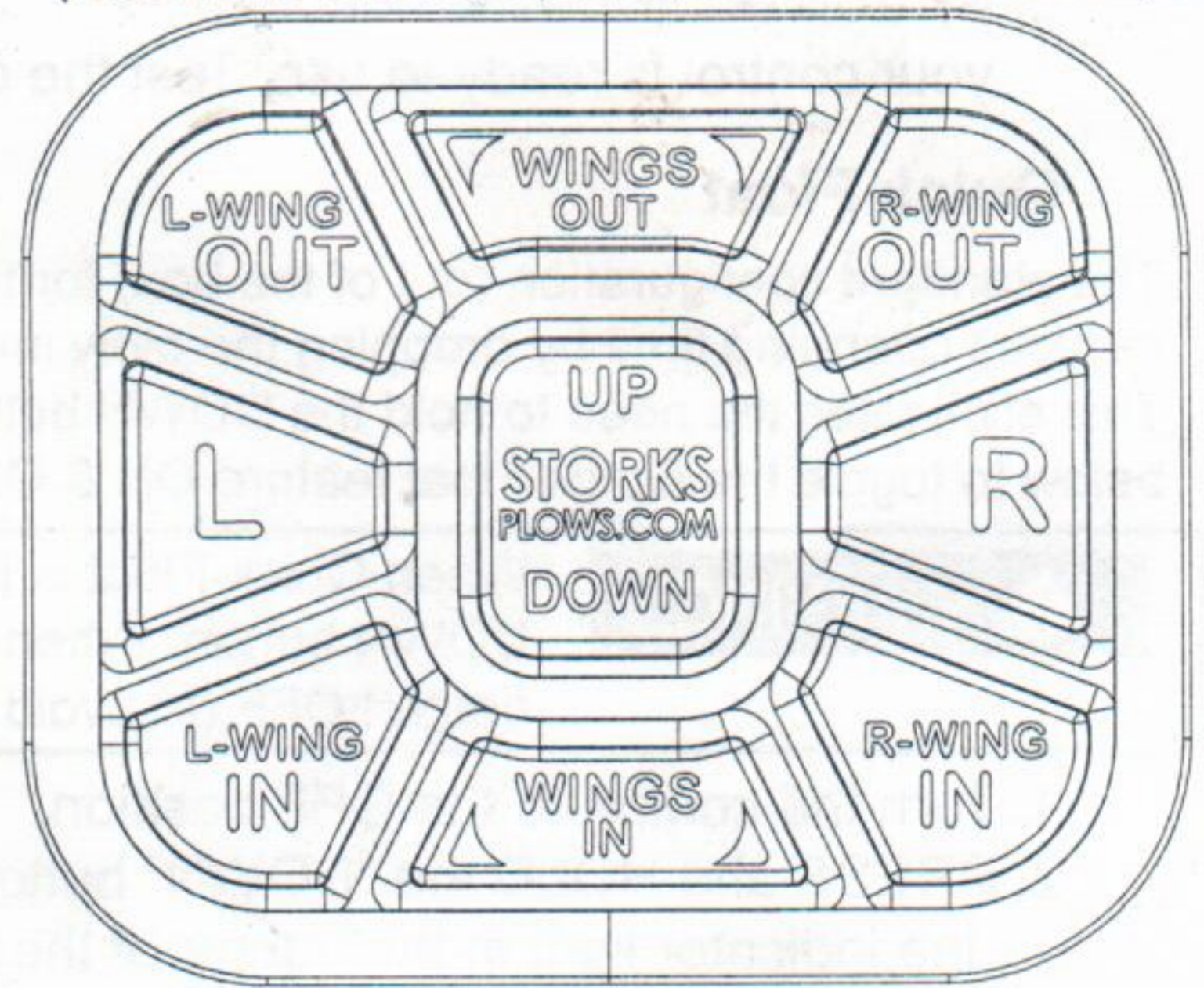
The Control automatically allows the blade to coast to a soft stop. This results in smoother operation and decreased wear on the plows hydraulic system.

Double Tap (UP & FLOAT)

A quick Double Tap of the UP button will automatically raise the plow for 2.6 seconds.
 A quick Double Tap of the DOWN button will automatically engage FLOAT (WARNING: Plow will immediately drop to the ground when Double Tapping the DOWN button).
NOTE: The Double Tap feature does not replace the normal operation (Press & Hold) of the UP & DOWN buttons, it is an added feature designed to enhance the performance of the control.



(LOCATED ON TOP OF HANDHELD CONTROL)



KEYPAD

For Hiniker & Meyers (12-Pin), headlights will switch when the control is plugged in. If you would like a separate headlight switch, go to www.storksplows.com to purchase a headlight switch kit

! WARNING

TO PREVENT
ACCIDENTAL ACTIVATION
OF PLOW, TURN PLOW
OFF WHEN NOT IN USE



U-SET (User Settings) FEATURE

This feature allows the user to customize features on this control to their own preferences. Customizable features include:

- * Soft Stop
- * Quick Float

Disclaimer: Stork's Automotive, U.P. Controls & Universal Plow Controls are NOT responsible for any damage or injury caused by the use of these customizable features. By changing the settings on the control, you take on all of the liability.

Soft Stop

The standard configuration (out of the box) for this control includes Soft Stop. This feature provides smooth operation and reduces wear on the plows hydraulic system. At times, a plow operator may prefer the plow to have quicker and more precise movements. Follow the instructions below to toggle the Soft Stop feature OFF & ON.

WARNING

Turning OFF the Soft Stop feature could cause damage to your plows hydraulic system and may shorten the life of valves and hoses. Excessive banging may occur with certain manufacturer's plows. Turning OFF the Soft Stop feature is NOT recommended for Meyers/Diamond plows.

1. Turn the control to the OFF position.
2. PRESS and HOLD the "DOWN" button, then turn the control to the ON position. When the indicator light in the center of the keypad flashes BLUE, RELEASE the "DOWN" button.
(You are now in programing mode and the control will not operate the plow)
3. PRESS the "R" or "RIGHT" button once, the indicator light will turn to GREEN. PRESS the "R" or "RIGHT" button again, the indicator light will turn to RED. The indicator light will toggle between GREEN and RED every time you press the "R" or "RIGHT" button.

GREEN = Soft Stop - ON
RED = Soft Stop - OFF

4. Once the indicator light is set correctly (GREEN or RED), PRESS the "UP" button one time. The indicator light will flash BLUE and your chosen setting is now programed.
5. PRESS the "DOWN" button to exit programing mode. The keypad will glow GREEN and your control is ready to use. Test the control to ensure proper changes were made.

Quick Float

The standard configuration (out of the box) for this control does not include the Quick Float feature. This feature reduces operating time by dropping the plow immediately into FLOAT with one touch of the DOWN button. This eliminates the need to hold the DOWN button for the given time to engage FLOAT. Follow the instructions below to toggle the Quick Float feature ON & OFF.

WARNING

When Quick Float is turned ON, the plow will immediately drop into FLOAT with one touch of the DOWN button. When using Quick Float, it is recommended that you raise the plow and turn your control OFF (to avoid accidental activation of Float) when driving on the road.

1. Turn the control to the OFF position.
2. PRESS and HOLD the "DOWN" button, then turn the control to the ON position. When the indicator light in the center of the keypad flashes BLUE, RELEASE the "DOWN" button.
(You are now in programing mode and the control will not operate the plow)
3. PRESS the "L" or "LEFT" button once, the indicator light will turn to GREEN. PRESS the "L" or "LEFT" button again, the indicator light will turn to RED. The indicator light will toggle between GREEN and RED every time you press the "L" or "LEFT" button.

GREEN = Quick Float - OFF
RED = Quick Float - ON

4. Once the indicator light is set correctly (GREEN or RED), PRESS the "UP" button one time. The indicator light will flash BLUE and your chosen setting is now programed.
5. PRESS the "DOWN" button to exit programing mode. The keypad will glow GREEN and your control is ready to use. Test the control to ensure proper changes were made.

GROUND WIRE LEAD INSTALLATION INSTRUCTIONS

(for WESTERN/FISHER VEE BLADE 14-PIN PLUG-N-PLOW HANDHELD CONTROLS)

These instructions will outline how to install the (BLACK) ground wire lead included in this kit. Your Western/Fisher plows electrical system should currently have Positive (+) Coil Commons with Negative (-) switching. For the Western/Fisher Vee Blade Plug-n-Plow control to work, the Western/Fisher electrical system must be converted to Negative (-) Coil Commons with Positive (+) switching. To convert to Negative (-) Coil Commons with Positive (+) switching, follow the instructions below:

⚠ WARNING

If you do NOT feel confident in your ability to perform the installation below, it is strongly recommended that a qualified service professional does the installation.

Note: It is important that you have your Western/Fisher Snowplow Manual available. Before starting, study the coil layout and become familiar with the electrical system that is on your plow. Some Western/Fisher VB harnesses have 3 plugs (UltraMount) connecting the plow to the vehicle and some only have 2 plugs (UniMount). These installation instructions will work for both, but focus mainly on the 3 plug (UltraMount) system.

Installation Instructions (UltraMount - 3 Molded Plugs) See Western Mechanic's Guide Lit. No. 28270

1. Read through all of these instructions before starting the installation and turn the vehicle's ignition OFF.
2. Locate the vehicle side 7-Pin Molded plug that should be coming out by the vehicles grille.
3. Follow that harness into the engine compartment about 5 to 6 feet, but before the harness branches (or Y's) off.
4. Strip a 3 or 4 inch section of the braid off of the harness, making sure not to damage any of the wires inside.
5. Locate the (RED/YELLOW) RED wire with the YELLOW stripe.
6. Cut the RED/YELLOW wire.
7. Apply the supplied Wire Nut to the RED/YELLOW wire that goes to the VEHICLES CAB.

⚠ WARNING

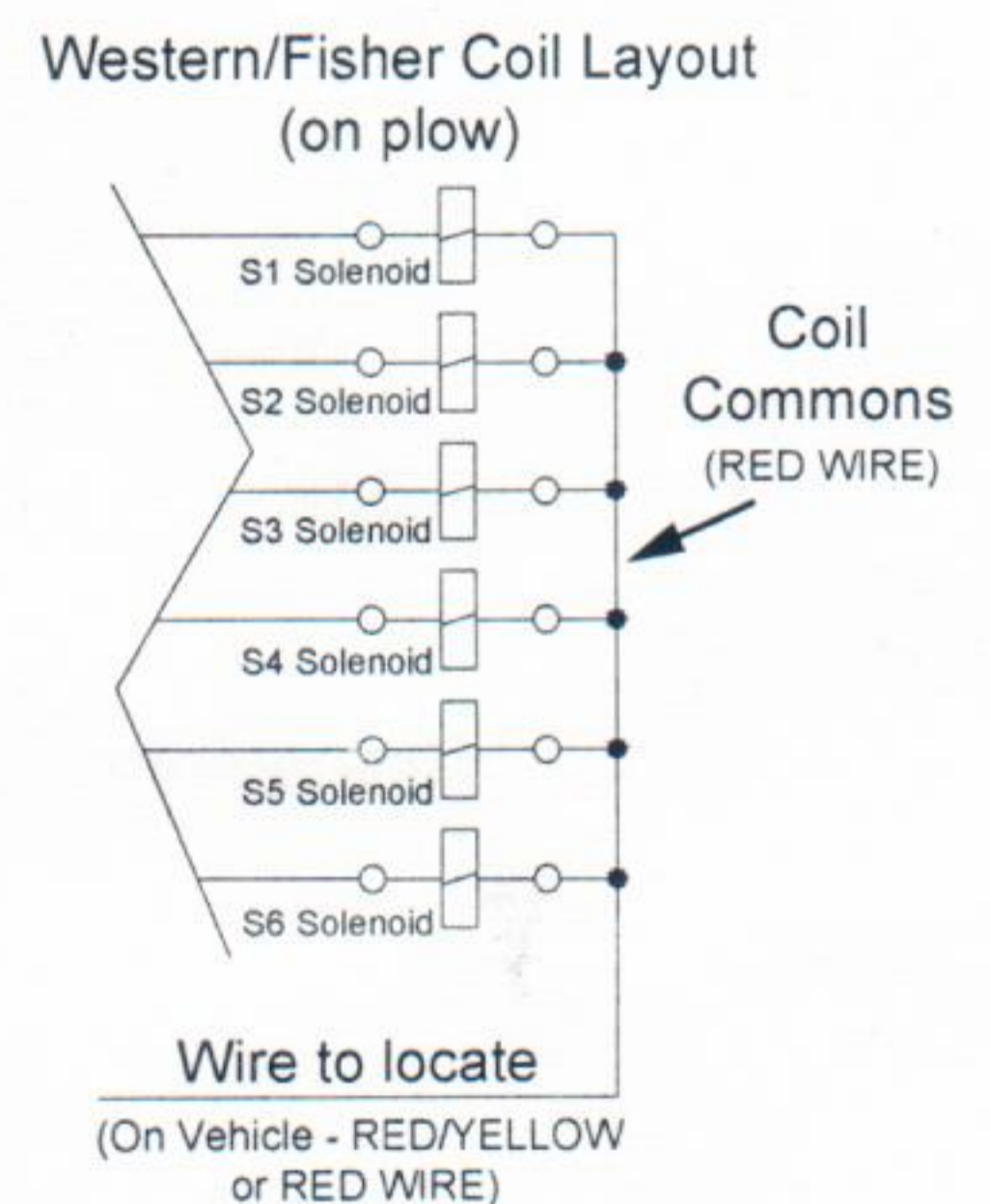
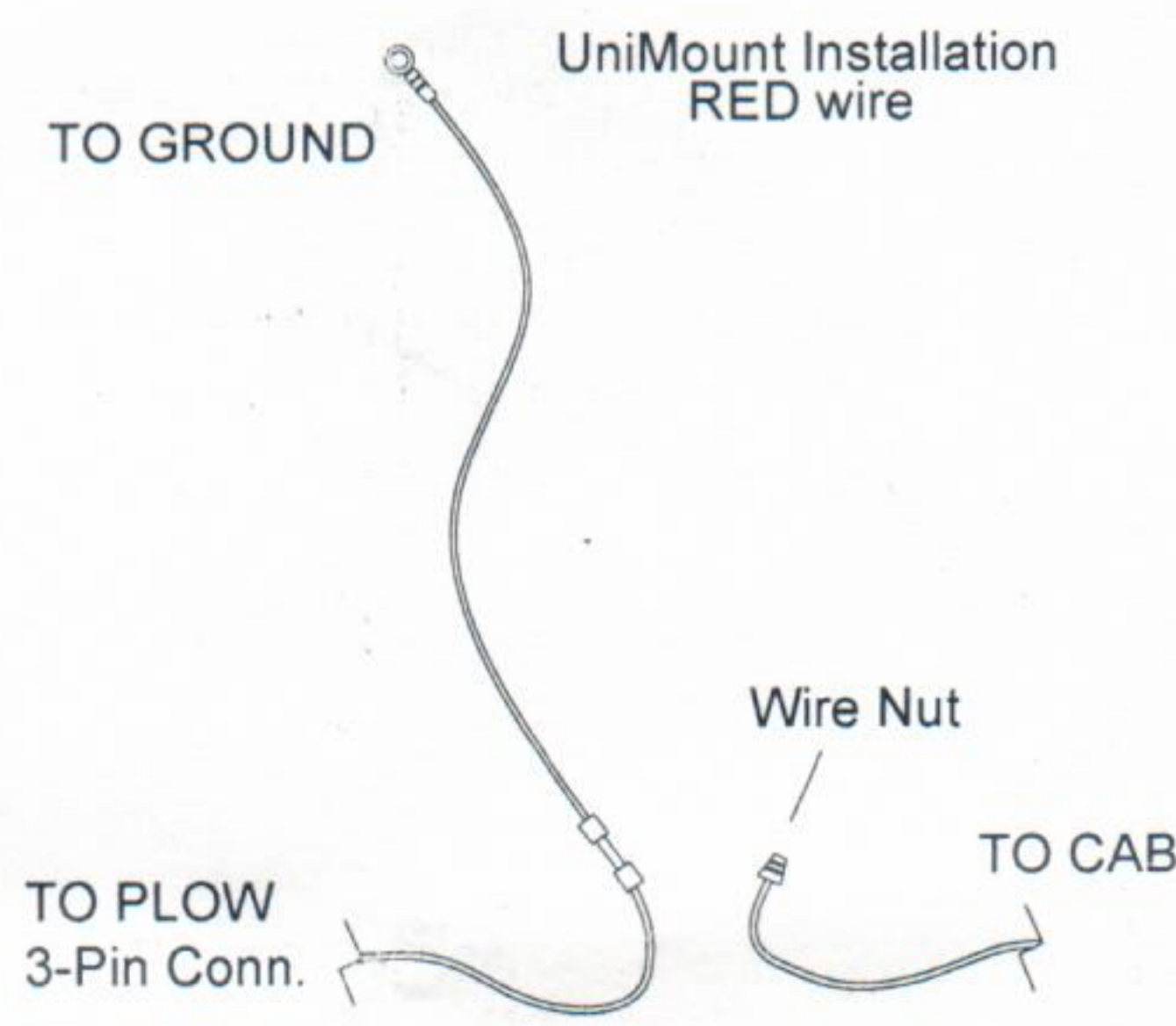
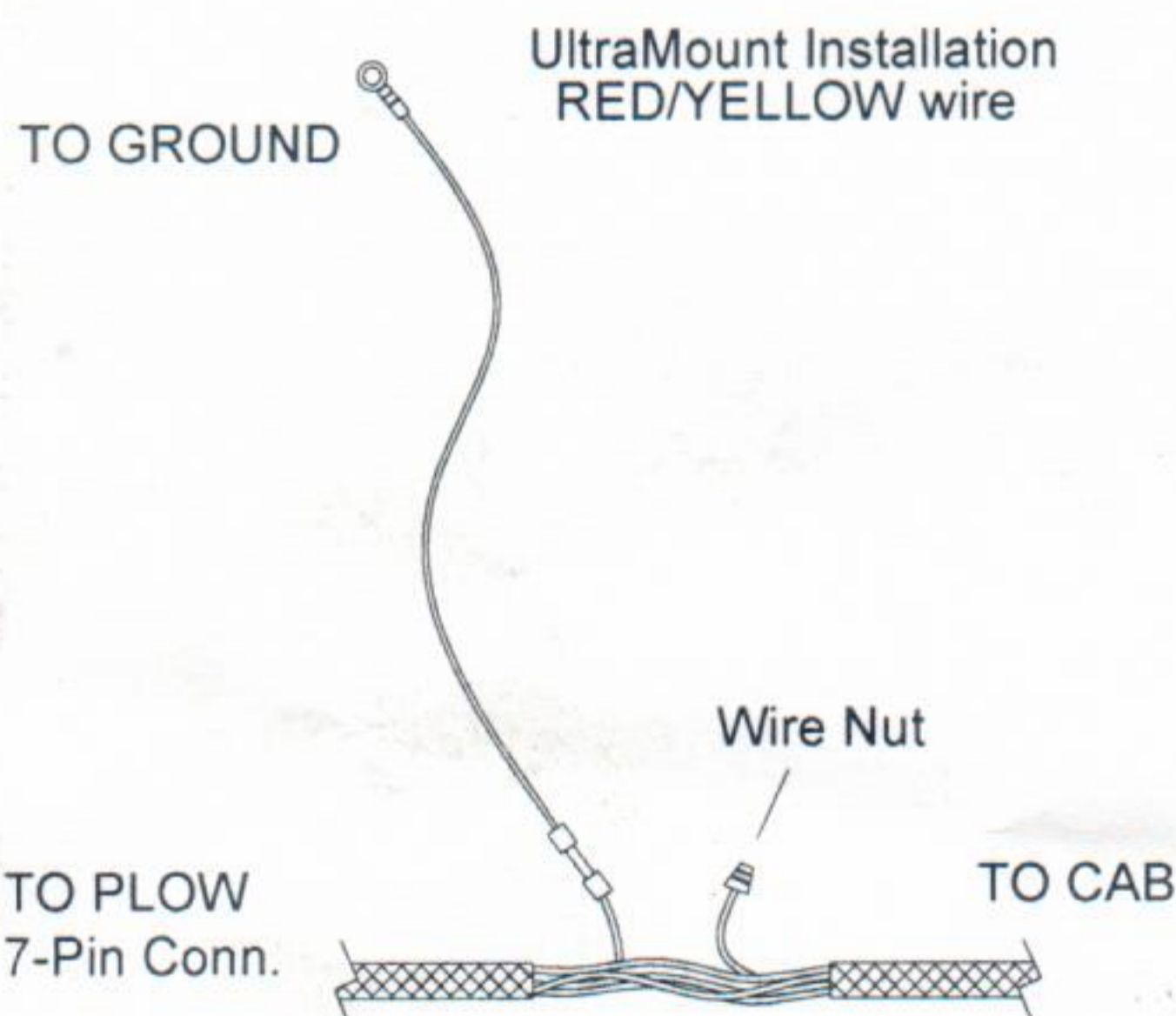
The RED/YELLOW wire that goes to the vehicles cab is HOT. It is CRITICAL that the RED/YELLOW wire that goes to the vehicles cab DOES NOT connect to ground.

8. Strip the wire jacket off of the RED/YELLOW wire that goes to the PLOW.
9. Attach the insulated butt splice (with a crimp tool) of the supplied BLACK ground wire lead to the RED/YELLOW wire that goes to the PLOW. Use a heat gun to shrink the butt splice jacket (to seal the connection).
10. Attach the ring terminal of the supplied BLACK ground wire lead to a suitable ground.
11. Plug in the Western/Fisher Vee Blade Plug-n-Plow control, turn it ON and check to make sure everything is working. Then use the supplied tie wraps to secure the harness if needed.

Note: If at a later date you decide to go back to a Western/Fisher OEM control, you must undo the changes above, or the OEM control will not work properly.

Installation Instructions (UniMount - 2 Molded Plugs) See Fisher (EZ-V) Mechanic's Guide Lit. No. 21856 See Western Mechanic's Guide Lit. No. 21857

1. Read through all of these instructions before starting the installation and turn the vehicle's ignition OFF.
2. Locate the vehicle side 3-Pin Molded plug that should be coming out by the vehicles grille.
3. Follow that harness into the engine compartment and at some point near the vehicles battery a small RED wire should exit the harness. It should be plugged into another RED wire (that goes to the vehicles cab) with a faston connector.
4. Follow UltraMount instructions #6 to #11 above, substituting the RED wire you just located for the RED/YELLOW wire mentioned above.



Note: Plugging our Plug-n-Plow control into your current Western/Fisher harness, without making the changes above (not recommended) should do no harm. Our control will stay ON (will not shut OFF) and only the pump will work. If you make the changes above, then plug in a Western/Fisher OEM control (not recommended), the OEM control will turn ON, but only the pump will work. This also should do no harm.

Disclaimer: Even though U.P. Controls Inc. has tested this configuration on multiple Western/Fisher plows, it is impossible for U.P. Controls Inc. to be aware of all OEM electrical design changes, or the electrical installation that is on every vehicle. Your electrical system may vary and it's up to you, the installer of this system, to make the sure the installation is done properly. U.P. Controls Inc. & Storks Plows are not liable for any damage or injury caused by a faulty installation.