

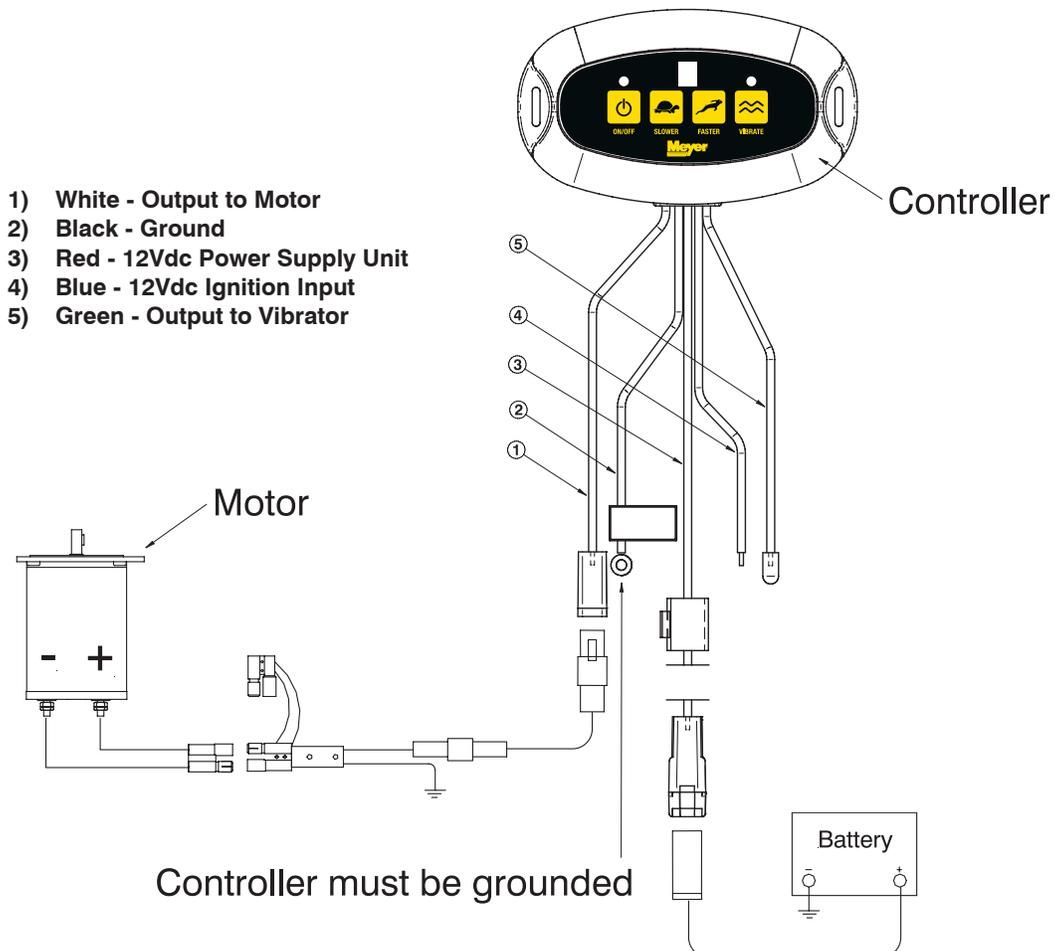
# PARTS & INSTALLATION INSTRUCTIONS

## 34405 Speed Controller

The Meyer 34405 Speed Controller is an electronic module powered off the switched ignition circuit +12Vdc and supplying the heavy motor current from the +12Vdc battery circuit. The controller will only function with the ignition key in the ON state. The controller is connected to the spinner motor and vibration motors via a custom wire harness that is designed to handle the high motor currents. The controller can be mounted under the vehicle dash using mounting hardware that is provided in the kit. The controller is weatherproof and can be mounted in areas where it will get wet. The controller includes 5 wires as follows:

- 1) Output wire White (connects to the spreader motor positive post).
- 2) Ground wire Black (provides ground for the controller).
- 3) Power wire Red (power to the controller directly from 12V battery).
- 4) Ignition wire Blue (power to the controller through switched ignition).
- 5) Output wire Green (connects to the vibrator motor).

After all of the above connections have been made, turn the ignition switch to the ON position. When the controller ON/OFF button (located on the front display panel) is momentarily depressed once, the spreader motor will automatically be activated with 5 full power Blasts and then stop. The speed display will illuminate in a clockwise pattern during Blasts. The ON/OFF LED will remain steady ON. The spreader unit is now activated. The spreader unit will be deactivated if the controller ON/OFF switch is momentarily depressed a second time. The vibrate motor will start and stop when the vibrate button is depressed only when the unit is activated. The LED above the vibrate button will be illuminated when the vibrator motor is activated.



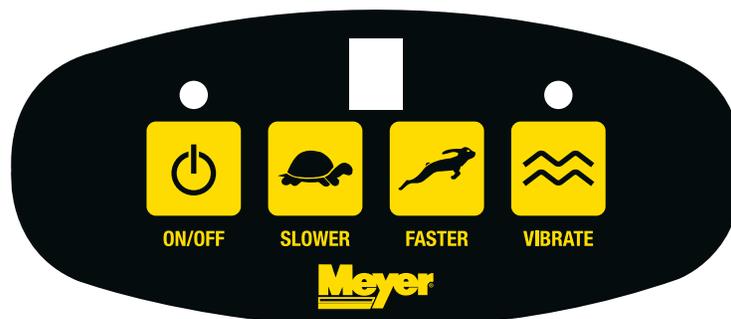
## 34405 CONTROLLER OPERATION

The controller will provide the spreader motor with multiple speed options per the following:

- I/O (On/Off)      Depress the button once to enable the spreader motor operation. Spreader motor will automatically be activated with 5 full power Blasts and then stop. The speed display will illuminate in a clockwise pattern during Blasts. The GREEN LED located above this switch will illuminate. The speed display will show "zero".
- I/O (On/Off)      Depress the button a second time and the spreader motor operation will stop. The GREEN LED located above this switch and the speed display will stop illuminating.
- FASTER            Once spreader is activated, by depressing the FASTER button momentarily for the first time, the motor will start rotating at the lowest speed. If the button is depressed again, motor will gain speed. Faster button can be depressed momentarily or held depressed to achieve maximum speed. There are ten programmed speed settings that increase the speed in increments of 10%. The speed display will illuminate 0 - 9 with 9 being the fastest speed.
- SLOWER            By depressing the SLOWER button, the motor speed will decrease. There are ten programmed speed settings that decrease the speed in increments of 10%. SLOWER button can be depressed momentarily or held depressed to slow down the motor until it comes to a halt. The speed display will illuminate 0 - 9 with 9 being the fastest speed. When the speed display shows "zero", the motor is not spinning, but the unit is still on.
- VIBRATE  
(On/Off)            Depress the button once to enable the vibrate motor operation. The GREEN LED located above this switch will illuminate at full intensity.
- VIBRATE  
(On/Off)            Depress the button a second time and the vibrate motor operation will stop. The GREEN LED located above this switch will stop illuminating.

### SAFETY FEATURES

Controller will only be activated while ignition switch is at ON position, if the unit is wired into a keyed power source. There will be one inline fuse located at the incoming power wire harness. This will be a 20A automotive ATO fuse. This 20A fuse protects the spreader motor and/or vibrate motor from over current conditions. In the event that the fuse has opened circuited, replacement of the fuse will be required in order to restore the operation. Fuse replacement is facilitated with a pair of needle nosed pliers. The controller also has overload protection built into the circuit board. If an overload occurs, the green LED above the I/O button will turn red and will begin to flash. The speed display will also flash "F" to indicate a fault condition. To reset, turn off controller and clear obstruction from spreader then turn controller back on.



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