

Installation Instructions

3049810 Controller

WARNING

There are no fuses, circuit breakers and serviceable parts inside. Taking controller apart may damage the unit and void warranty.

CONTROLLER INSTALLATION

For proper installation of this controller, see your spreader manual.

WARNING

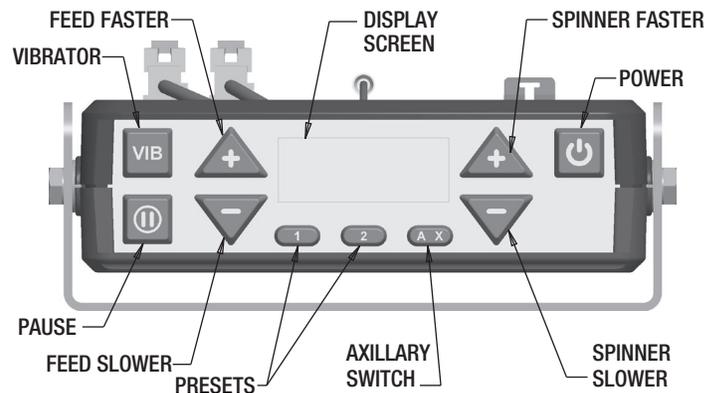
Do not mount this controller in the way of air bag deployment.

CONTROLLER OPERATING INSTRUCTIONS.

1. To start controller, be sure that truck engine is running to prevent battery from discharging. Press POWER button to turn controller ON. Controller keypad and display will illuminate.
2. To adjust feed and spinner speed press FEED and SPIN buttons until desired speed is achieved. Speed shown on display in numbers 0-9.
3. To activate vibrator momentary, press and release VIB button. To activate vibrator for an extended period, press and hold VIB button for 2 sec. The display screen will show that the vibrator is ON.
4. Pressing PAUSE button will pause all spreader functions. Pressing PAUSE button again will restore all functions in same settings as before PAUSE.
5. To turn controller OFF press POWER button again. Controller can be stopped by POWER button at any time.
6. Preset (buttons 1 and 2) operations. You can preset FEED and SPIN speeds using preset buttons 1 or 2. To create preset 1, press button 1. Display will show PRESET 1 and speed numbers. Adjust FEED and SPIN speeds to desired number, then press and hold button 1 until you hear the beep. Controller will switch to preset speeds automatically. Use same procedure to create PRESET 2.
7. To activate PRESET 1, press button 1 twice. PRESET speeds will be activated. Use same procedure to activate preset 2.
8. Axillary lights positive wire must be connected to single brown wire on controller. Axillary ground wire must be connected to known ground on the truck. To activate axillary lights, press AUX button.

WARNING

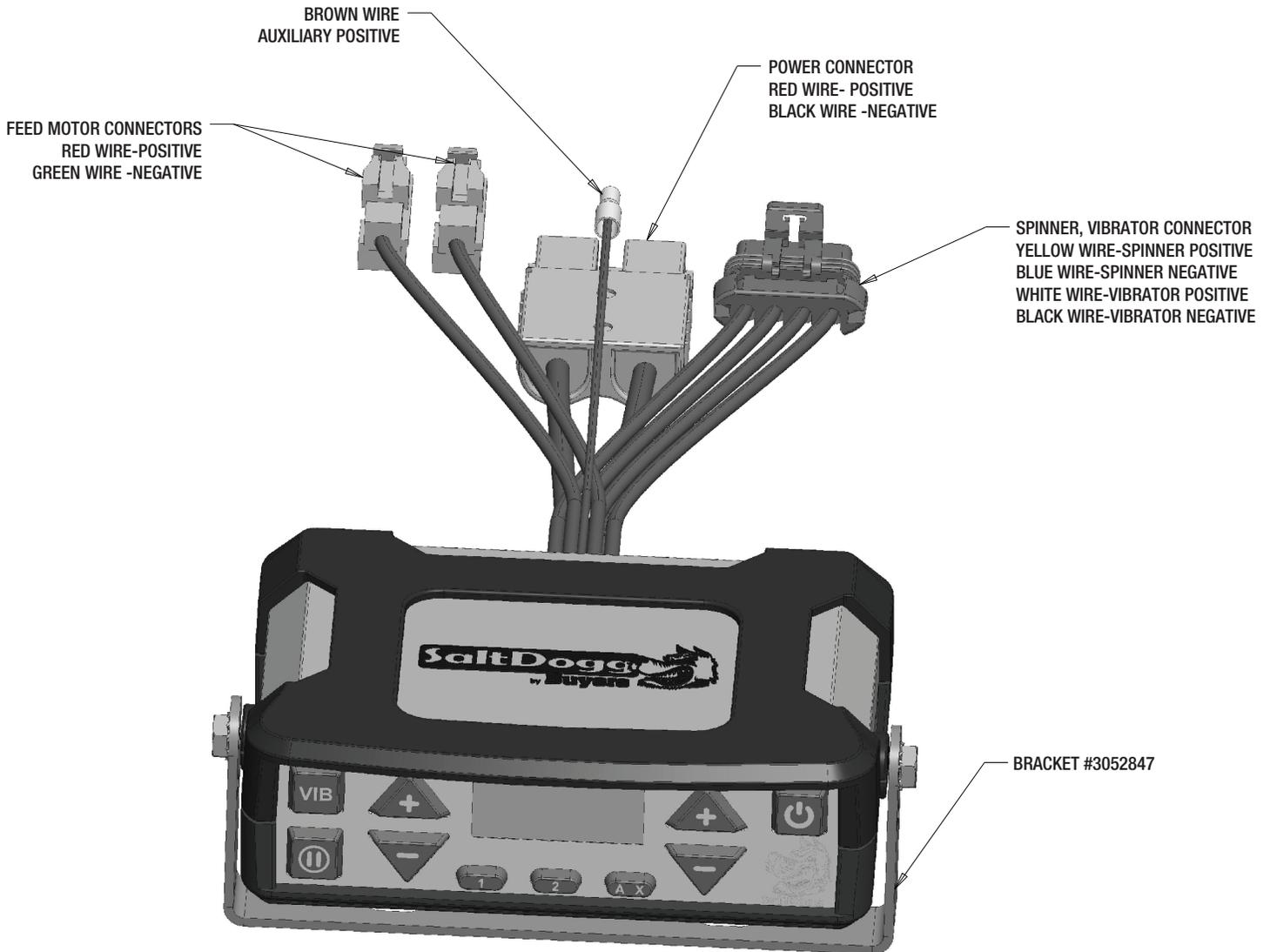
Do not connect axillary lights ground to the spreader!



CONTROLLER DIAGNOSTICS.

This controller is programmed to detect several issues. If issue is present, controller will give a warning on display and sound signal.

- FEED NC, SPIN NC, VIBR NC** - feed, spinner or vibrator motor not connected. Inspect and connect motors.
- FEED JAM** - feed motor jammed or overloaded. Clear jam, adjust inverted vee inside hopper to reduce motor load.
- SPIN JAM** - spinner motor jammed or overloaded. Reduce amount of material to spinner, clear spinner before starting spreader, make sure that spinner not rubbing against anything.
- FEED SHORT, SPIN SHORT, VIBR SHORT** - short circuit in electrical system. Find and eliminate short circuit.
- OVER TEMP** - controller internal temperature too high. Turn off controller to reduce temperature. Lower speed to reduce controller load.
- HIGH VOLT** - voltage higher than 16 VDC is detected. Turn controller off. Correct truck electrical system to have proper voltage.
- LOW VOLT** - voltage near 10VDC. Check and correct truck electrical system.
- SERV VIBR** - vibrator diagnostic. To use vibrator diagnostics properly following steps must be followed.
 1. Make sure that spreader is secured in trucks bed. Inspect and tighten spreader tie downs.
 2. Inspect and retighten vibrator if necessary.
 3. With empty spreader, start controller and turn VIBR on.
 4. Hold the AUX button down for 5 seconds until the display shows "V-LEARN". Press the VIBE button until the "V-LEARN" message disappears.
 5. If vibrator become loose or electric current rises above normal value, SERV VIBR message will appear. If message appears, retighten vibrator, inspect/ replace connectors.



WARRANTY

Buyers Products Co. warrants all truck/trailer hardware manufactured or distributed by it, to be free from defects in material and workmanship for a period of one year from date of shipment. Parts must be properly installed and used under normal conditions. Any product which has been altered, including modification, misuse, accident or lack of maintenance will not be considered under warranty. Normal wear is excluded. The sole responsibility of Buyers Products Co. under this warranty is limited to repairing or replacing any part or parts which are returned, prepaid, and are found to be defective by Buyers Products Co. Authorization from Buyers Products Co. must be obtained before returning any part. No charges for transportation or labor performed on Buyers' products will be allowed under this warranty.