

Installation Instructions

3011864 TGS Controller

Serial Number 50000 and higher

▲ IMPORTANT

Before installation, check your truck's battery and alternator using load tester. Do not proceed to installation if truck electrical system does not function properly.

NOTE: Always disconnect battery before attempting to install electrical components on your vehicle.

Installation

1. Mount the controller in a convenient location in the truck cab. It is recommended not to mount the controller directly in front of heat vents. Allow ample air space around controller.

▲ CAUTION

Do not mount controller in the way of air bag deployment!

2. Route both wire harnesses into truck cab through firewall (it may be necessary to drill holes). Insulate hole to avoid water leaks. Insure no wires are nicked or damaged during installation.

3. Connect the 4-pin connector on the wire harness to the control box.

4. Connect the 2-pin connector on the power cable to the control box.

5. Lay out a path for the power cable to the battery, use quick ties to secure power cable.

DO NOT CONNECT TO BATTERY AT THIS TIME!

6. Lay out path for wire harness to the rear of the vehicle. Stay clear of the exhaust system. Excess heat can damage the wire harnesses. Use quick ties to secure harness to underbody.

7. Connect the wire harness to the motor and vibrator (if equipped).

8. Connect power cable red wire to circuit breaker. Connect cable #3001379 smaller ring terminal to circuit breaker. Connect larger terminal of #3001379 cable to battery positive terminal. Secure circuit breaker inside truck's engine compartment.

9. Connect power cable black wire to battery negative terminal.

THIS IS A WIRE GROUND ELECTRICAL SYSTEM! NO CONNECTIONS TO TRUCK'S FRAME OR BODY ALLOWED!

In trucks with dual battery systems always connect power cable to primary battery (larger capacity/ truck starting battery).



DO NOT CONNECT LIGHT'S WIRES TO ANY PART OF THE SPREADER! IT CAN DAMAGE CONTROLLER!

Buyers Products Company assumes no responsibility for installations not made in accordance with these instructions.

Operation

1. To start spreader, be sure that truck engine is running to prevent battery from discharging. Flip power switch into ON position. If controller equipped with Power push button- depress Power push button. Controller switches will get illuminated. Spreader motor speed will be show on Speed Display.

2. To adjust speed simply rotate speed knob until desired speed number will be achieved.

3. Push Blast button if full motor speed is needed. Blast is momentary function, releasing Blast button will return controller into original speed setting.

4. To activate vibrator depress vibrator button for about 2 seconds. To stop vibrator repeat same action.

5. To turn controller OFF, simply flip power switch into OFF position. If controller equipped with Power push button- depress button again.

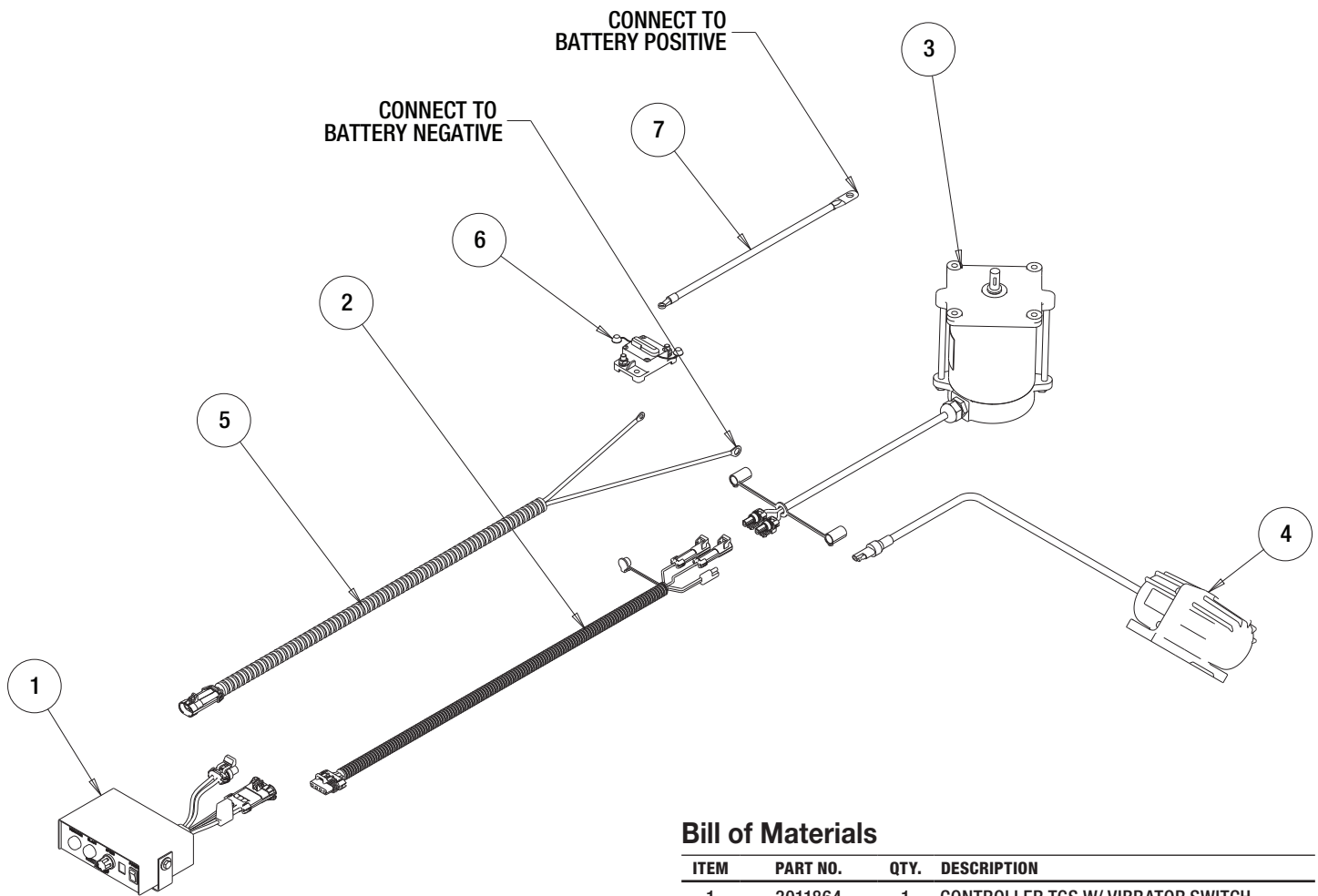
6. If battery voltage drops below 10 VDC, controller shuts off automatically.

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.

Controller Codes and Troubleshooting

SYSTEM STATUS	SPEED DISPLAY	VIBRATOR SWITCH	NOTE
Spinner initial current calibration signal out of the specification	C	X	Replace controller
Spinner fuse OFF	F	X	Open controller box, replace 40 AMP fuse
Vibrator fuse OFF or Vibrator motor disconnected	X	BLINKS	Inspect and reconnect Vibrator. Replace 30 AMP fuse on Brown wire.
Spinner motor disconnected	P	X	Inspect wire harness, motor, reconnect.
Spinner motor OVERLOAD	P	X	P letter blink. Inspect, clear spinner disc.
Spinner motor JAMMED	J	X	Turn controller OFF, clear jam.
Low voltage (less than 10V for more than 10 seconds) applied to the system	L	X	Controller shuts OFF automatically.
Spinner motor or wires short	H	X	Inspect, replace wire harness.
Inside temperature over 70 degrees C.	C	X	Controller shuts OFF automatically. You can re-start controller after temperature drops below 70 degrees C.



Bill of Materials

ITEM	PART NO.	QTY.	DESCRIPTION
1	3011864	1	CONTROLLER TGS W/ VIBRATOR SWITCH
2	3008620	1	WIRE HARNESS MAIN W/ VIBRATOR, TGS
3	-	1	MOTORS 12 VDC, TGS
4	3008076	1	VIBRATOR 80 LBS 12 VDC
5	3035934	1	WIRE HARNESS, POWER TGS
6	CB50PB	1	CIRCUIT BREAKER, 50 AMP, PUSH TO TRIP
7	3001379	1	CABLE, SCH BATTERY 14 IN. (RED)