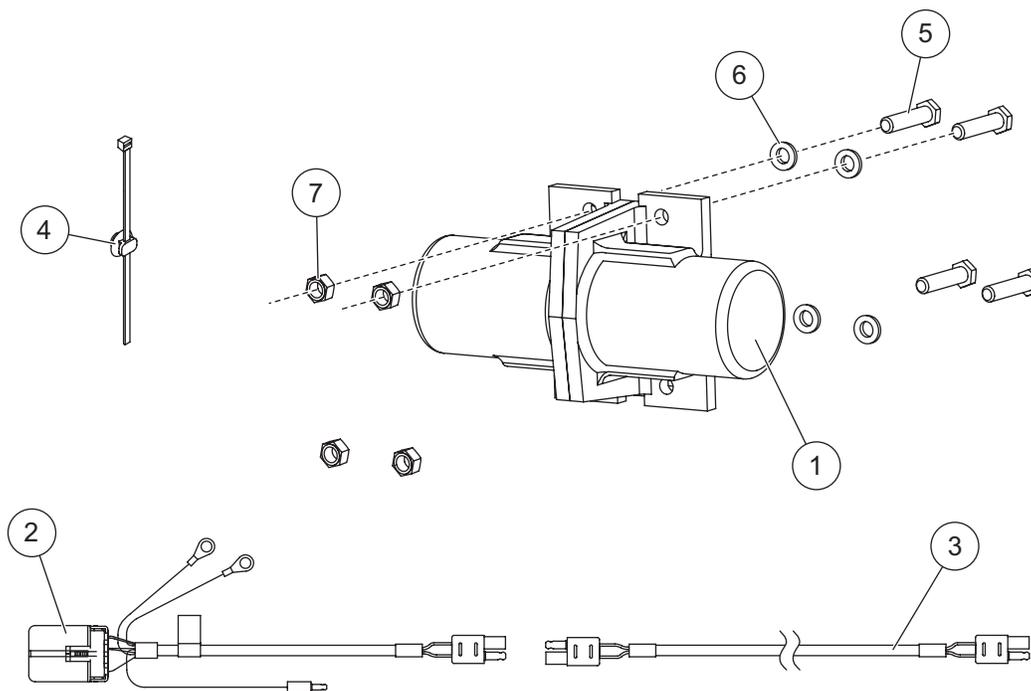


# Vibrator Kit

## Stainless Steel Hopper Spreaders

**PARTS LIST**



99504 Vibrator Kit						
Item	Part	Qty	Description	Item	Part	Qty Description
1	85151	1	Vibrator – Service Part	4		4 Fir Tree Mount w/Cable Tie
2	78382	1	Relay/Fuse Harness Assembly	ns	61536	6 Cable Tie – Long
3	78391	1	Harness Assy – Vibrator Extension	ns		1 Bolt Bag – Vibrator Kit
99069 Bolt Bag – Vibrator Kit						
5		4	3/8-16 x 1-1/2 Hex Cap Screw SS	7		4 3/8-16 Locknut SS
6		4	3/8 Flat Washer Wide SS			
			ns = not shown	SS = Stainless Steel		

**INSTALLATION INSTRUCTIONS**

**⚠ WARNING**  
 Do not exceed GVWR or GAWR ratings as found on the driver-side vehicle door cornerpost.

**⚠ CAUTION**  
 Read this document before installing the Vibrator Kit.

**⚠ CAUTION**  
 Use standard methods and practices when attaching spreader and installing accessories, including proper personal protective safety equipment.

**⚠ CAUTION**  
 Contact with a vibrating surface can cause numbness, tingling and loss of dexterity. Users should take breaks and wear gloves to limit vibrating exposure.

**⚠ CAUTION**  
 Plants can be damaged when exposed to vibrating surface.

**Gas Spreader:** The Accessory Harness and Bracket Kit must be installed before the vibrator accessory can be installed.

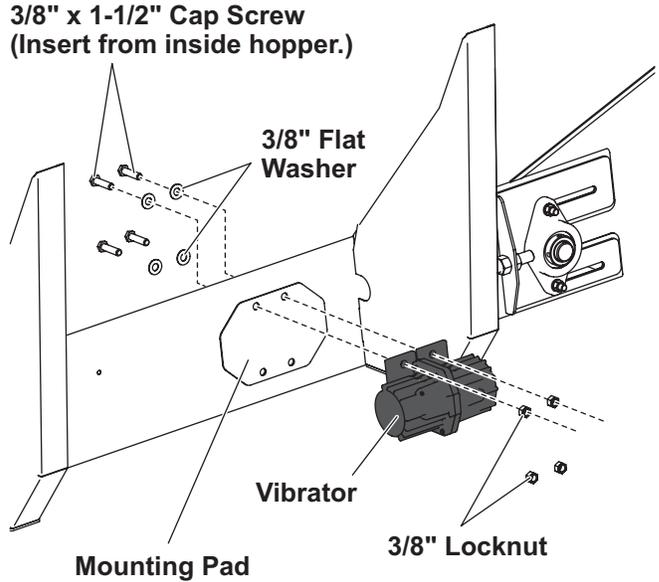
**Hydraulic Spreader:** The Accessory Harness and Bracket Kit must be installed before the vibrator accessory can be installed.

**Electric Spreader:** The vibrator relay/fuse assembly will be installed in the existing electrical enclosure.

The vibrator can be mounted on either side of the hopper. A mounting pad and holes to secure the harness are provided on both sides of the hopper sill. The illustrations below show the vibrator being mounted on the passenger side.

1. Park the vehicle on a smooth, level, hard surface, such as concrete. Turn the vehicle ignition to the "OFF" position and remove the key.

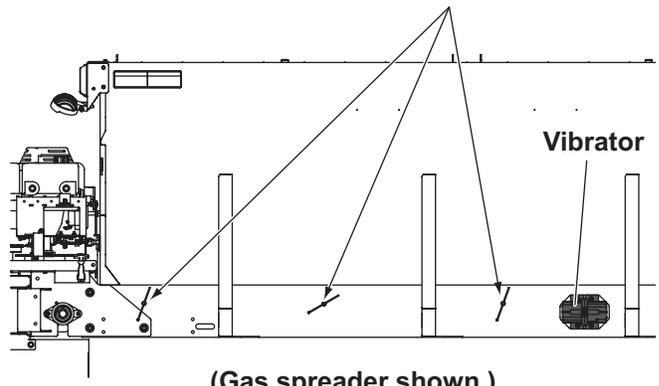
2. Attach the vibrator to its mounting location using the supplied 3/8" x 1-1/2" cap screws, 3/8" flat washers, and 3/8" locknuts. The cap screws with washers must be inserted from the inside, with the nuts on the outside, to avoid interference with the conveyor chain.



3. Route the vibrator extension harness through the openings in the hopper legs and along the sill. Plug the harness into the vibrator lead.
4. Install fir tree mounts into the holes along the sill and secure the 90" harness using the fir tree mount cable ties.

An additional fir tree mount is supplied for use if needed. Drill a 1/4" hole at the desired location to install the additional fir tree mount.

**Install fir tree mounts to secure harness.**

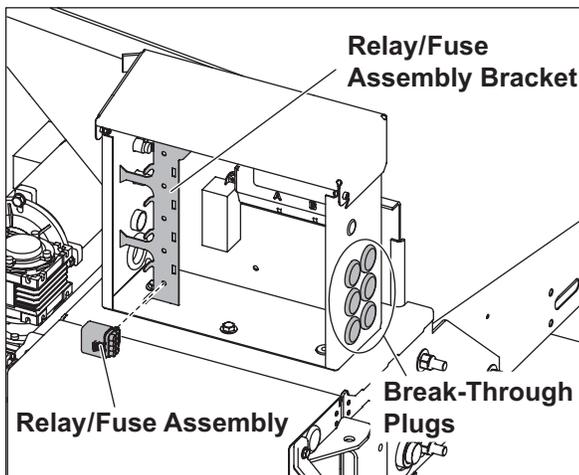


5. **Electric or Hydraulic Spreader:** Cut a hole in one of the break-through plugs and feed the vibrator extension harness into the enclosure. The hole should be sized to form a tight seal around the harness.

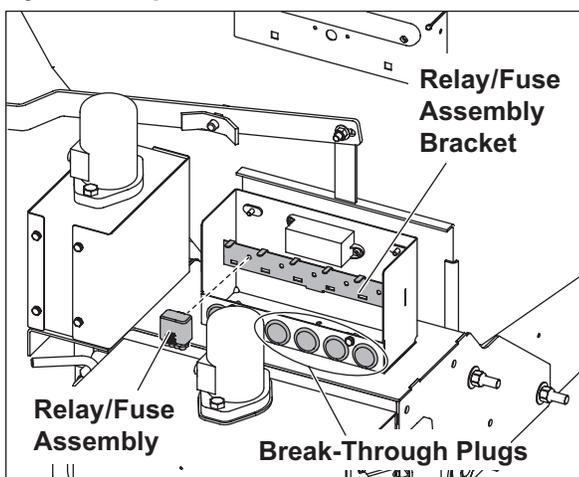
**Gas Spreader:** Route the vibrator extension harness into the engine compartment coming in from the passenger side on the forward (hopper) side of the engine. Make sure that the engine cover will not contact the cable when the cover is closed.

6. Mount the relay/fuse assembly to the relay/fuse assembly bracket by pushing the connector clip on the back of the assembly into one of the holes in the bracket. Secure the relay/fuse assembly to the bracket by running a cable tie through the slots in the bracket and around the assembly.
7. Plug the vibrator extension harness 2-pin connector into the relay/fuse harness assembly.

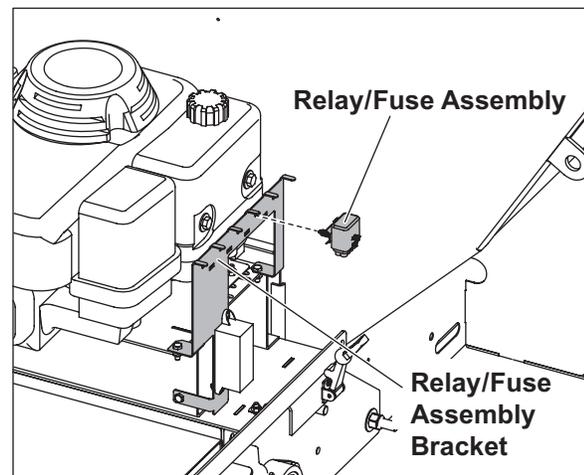
### Electric Spreader



### Hydraulic Spreader



### Gas Spreader



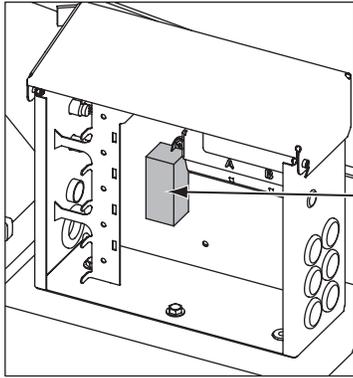
(Electrical enclosure covers not shown.)

- 8. Remove the cover from the isolated stud block. Connect the red wire from the relay/fuse assembly harness to the positive terminal and the black wire to the negative terminal of the isolated stud block.

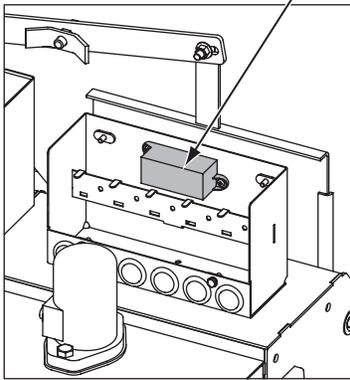
- 9. Replace the isolated stud block cover, being careful not to pinch any wires. (On spreader installations with multiple accessories, it may be necessary to notch the sides of the isolated stud block cover to accommodate all the wires.)

- 10. **Electric Spreader:** Connect the single-pin terminal on the relay/fuse assembly harness (blue wire) to the blue wire coming from port A of the spreader module.

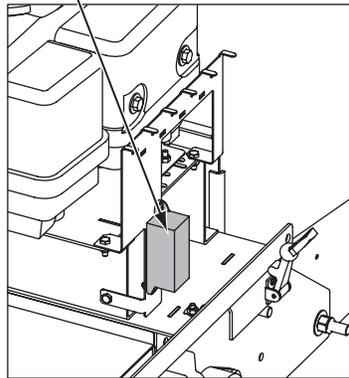
**Gas or Hydraulic Spreader:** Connect the single-pin terminal on the relay/fuse assembly harness (blue wire) to the blue wire coming from the previously installed hopper accessory cable assembly.



Electric Spreader



Hydraulic Spreader



Gas Spreader

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