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SUBJECT: PV / Polyhawk / MDV EST Relay Installation

To all concerned:

Swenson has learned that under certain conditions, the electric clutch circuit of the wireless receiver on the PV / Polyhawk / MDV model spreaders with gasoline engines may become unresponsive due to voltage spikes.

Corrective Action:

Swenson has developed an add-on relay assembly (PN 04616-139-00) to isolate the voltage spikes from the wireless receiver. Distributors will need order and install the kits per these instructions. Estimated completion time for this repair is 1 hour. After repairs are completed, please complete the warranty form and email to warranty@swensonproducts.com or fax to 866-310-0300.

Safety



Read and understand all safety instructions before attempting this repair. Disconnect the spreader battery cables before attempting this repair. All protective boots on spreader battery cables must be reinstalled in their original locations upon completion of this service bulletin.

Instructions

- Mounting Relay:** The relay assembly is supplied with a metal tab for mounting. On PV spreaders with Briggs & Stratton engines the relay will be mounted to the front starter solenoid mounting bolt (Figure 1). On PV spreaders with Honda engines (no starter solenoid) the relay will be mounted to the same hole with the supplied 1/4" x 3/4" bolt and locknut (Figure 2). On Polyhawk spreaders the relay will mount vertically to the existing hole in the driver's side of the feed gate housing (Figure 3). For MDV spreaders the relay will mount vertically to the existing starter solenoid mounting hole (Figure 3).

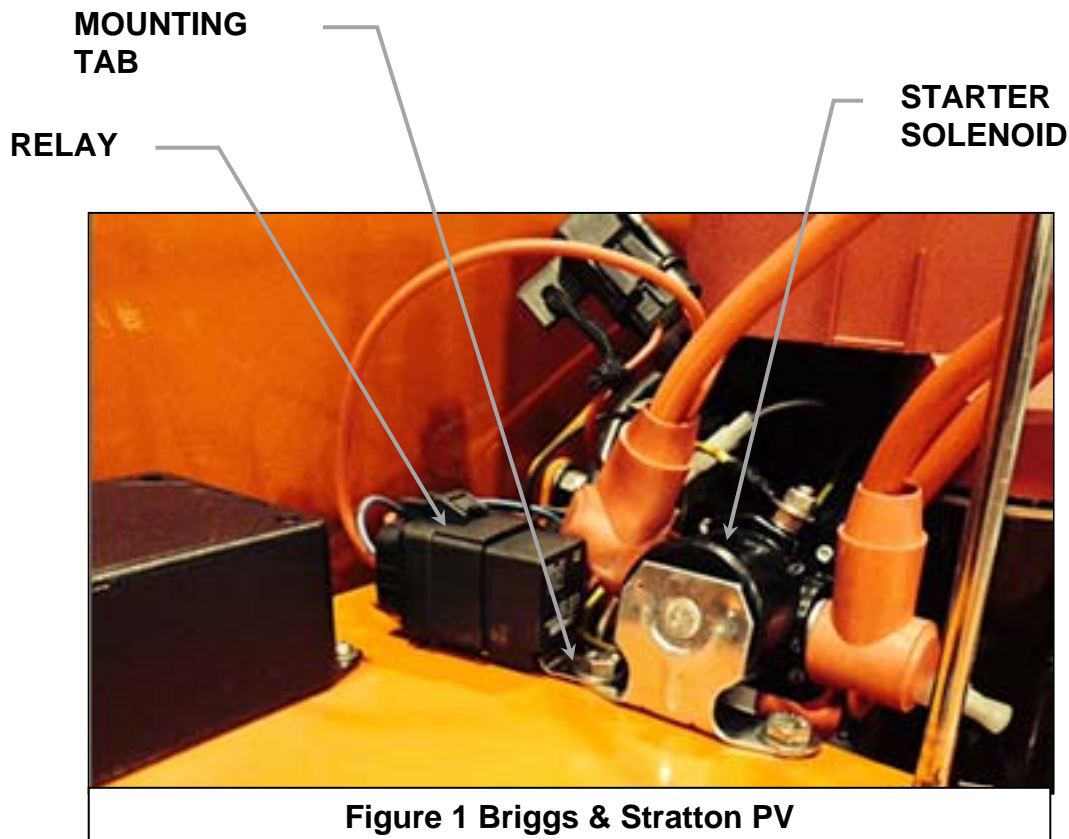
Swenson Products LLC assumes no responsibility for installations not made according to these instructions.

Route To:				
Initial	President/Owner	Sales Manager	Service Manager	Parts Manager

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Instructions (continued)

- 2. Clutch Wire Connections:** Disconnect the clutch power wire from the blue wire on the spreader control cable. Connect the black wire from the relay assembly to the blue wire on the spreader control cable. Connect the red wire (*with weatherpack connector*) to the clutch power wire. (See figure 2)
- 3. Power / Ground Connections:** Connect the red wire (*with ring terminal*) on relay assembly to the battery side of the starter solenoid. Connect the blue wire on relay assembly to the engine mounting bolt under the negative battery cable.
- 4. Test Relay Assembly:** Reconnect the spreader battery cables and test that relay engages/disengages the electric clutch when the conveyor on/off button on the wireless transmitter is pressed.



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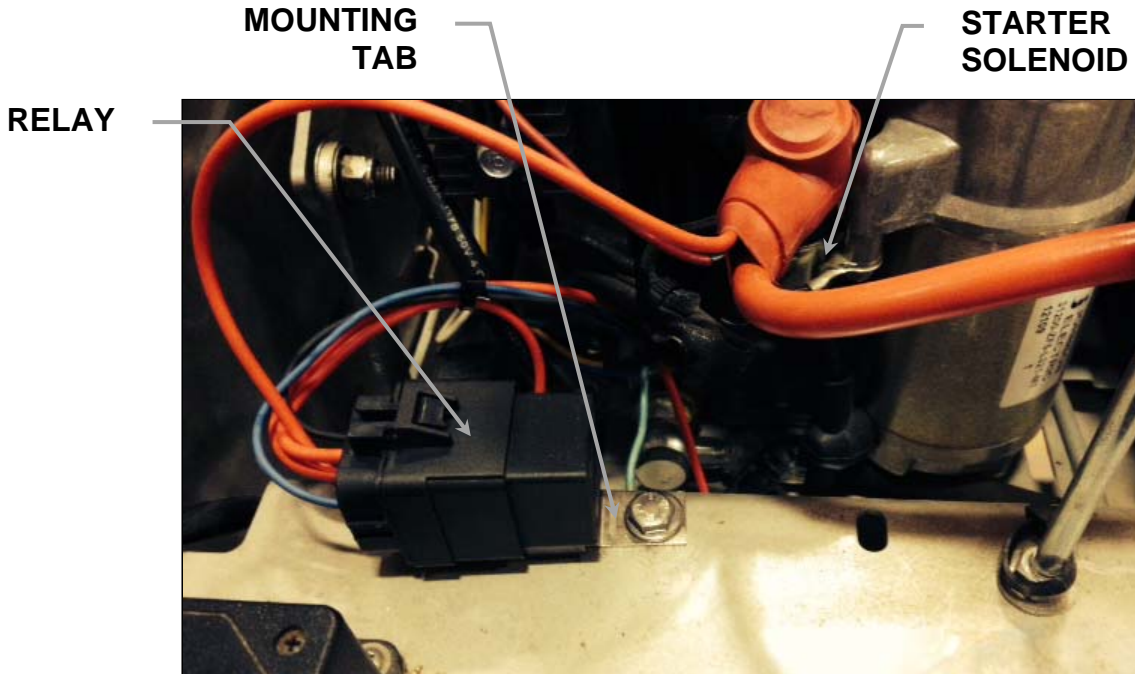


Figure 2 Honda PV

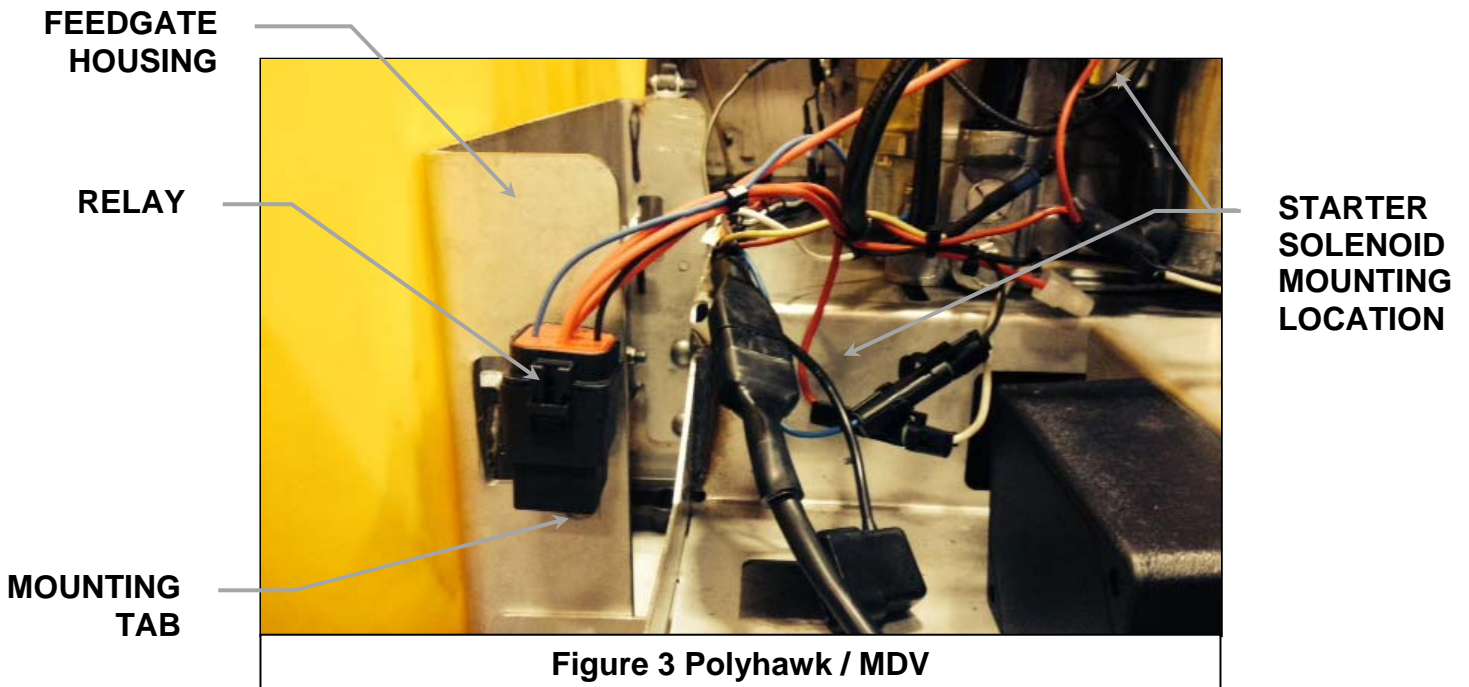


Figure 3 Polyhawk / MDV

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