



Tech Bulletin: Genesys Scrubber Down Pressure Switch Install

12/12/2022

Description

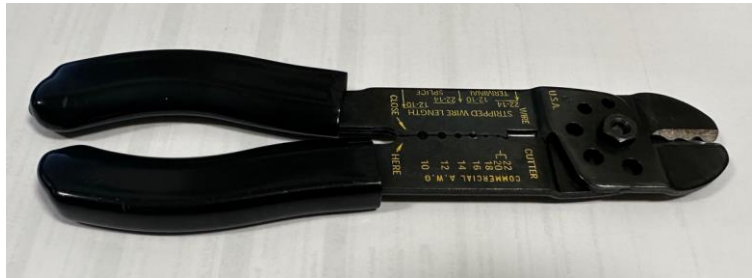
This Tech Bulletin provides instruction for the replacement of the existing down pressure switches in a GeneSys Mid-Sized AutoScrubber with updated switches that include sealed connectors for added water-intrusion protection.

Machines Impacted

- Genesys 26D
- Genesys 28D
- Genesys 28ORB
- Genesys 32D

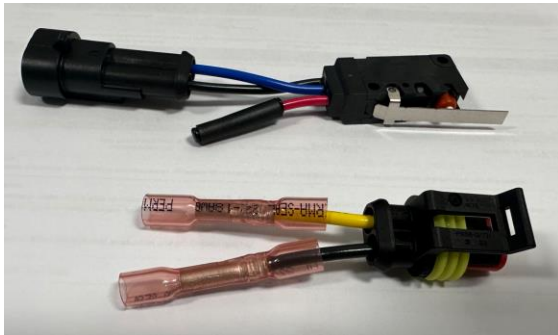
Tools Required:

- 1x – 3/32" Ball End Hex Key
- 1x – 1/4" Wrench
- 1x – Wire Strippers/Crimpers



Materials Supplied:

- 3x – Snap Action Switch with TE Connectivity AMP Connector
- 3x – TE Connectivity AMP Connector with 2 wires and butt connectors
- 2x – Zip Ties





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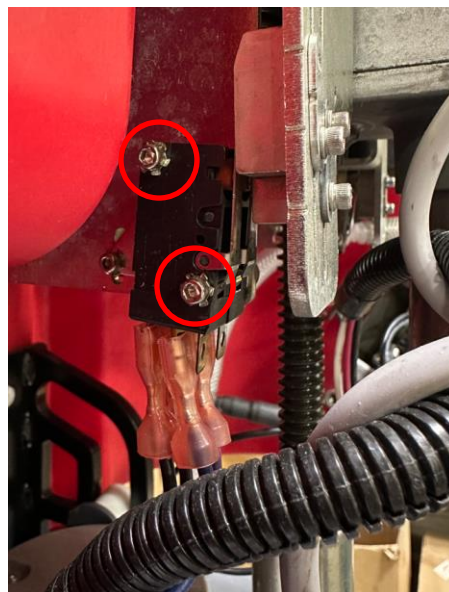
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Procedure

1. Put the machine into **HIGH** (180lb) down pressure and remove the front cover.
2. Turn the key off on the machine in disconnect the main **Positive** connection on the battery pack. This can be accessed by opening the recovery tank to expose the battery compartment. This will ensure that the machine cannot accidentally be turned back on while being serviced.



3. Locate the two switches (Low and Medium Pressure) located on the left side of the head lift. These switches are held in place with two bolts.



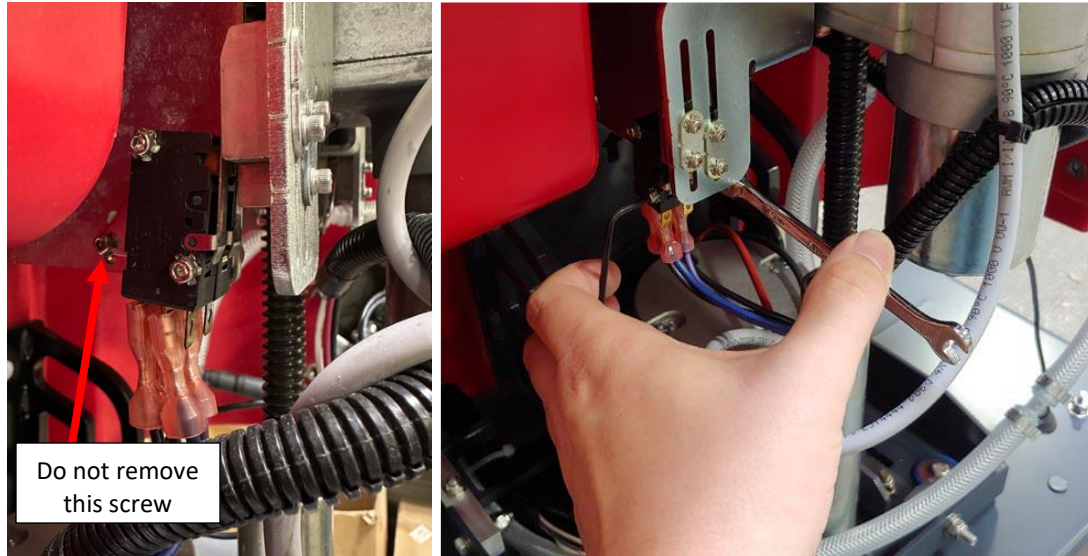


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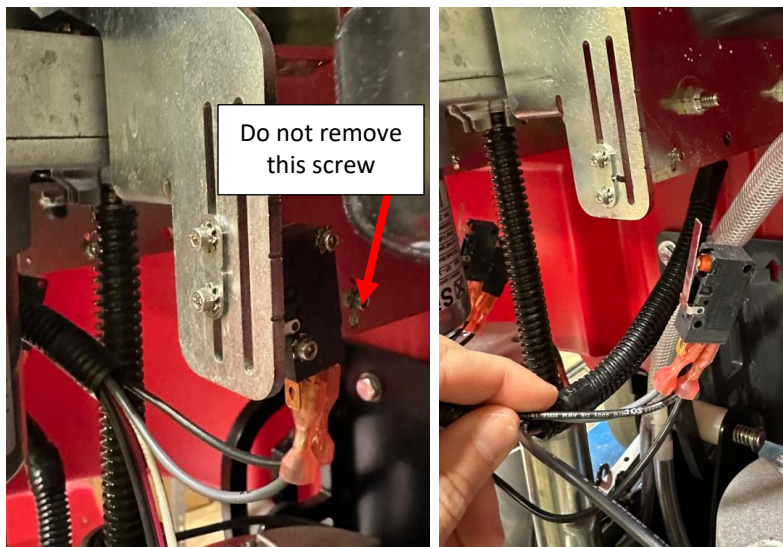
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- Using the 3/32" Hex Key and the 1/4" Wrench, remove the two bolts that are holding the switches in place. **DO NOT REMOVE THE THIRD BOLT HOLDING THE ALIGNMENT PLATE IN POSITION.** Leave the wires attached to the old switches at this point. This will make it easier to reconnect them correctly later.



- Locate the high pressure switch on the right side of the head lift. Use the same tools and process to remove this switch. Leave this switch connected to the wires as well.

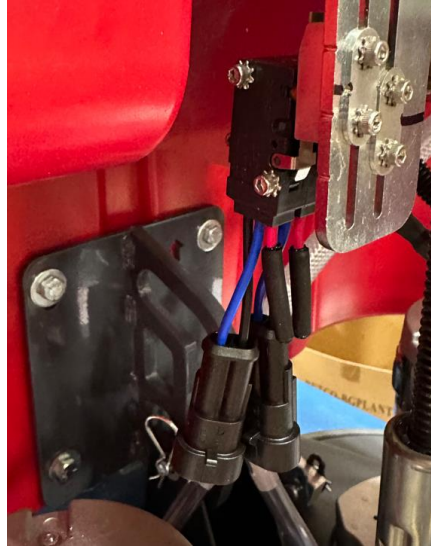




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6. Take two of the new switches with the Female connectors installed, sandwich them together, and bolt them back into place just like the old ones that were removed. Give them a light pressure towards the cams to ensure they are activated when fixed in place.



7. Take the remaining single switch that was supplied with the kit and bolt it back into the high pressure position on the right side of the head lift assembly.





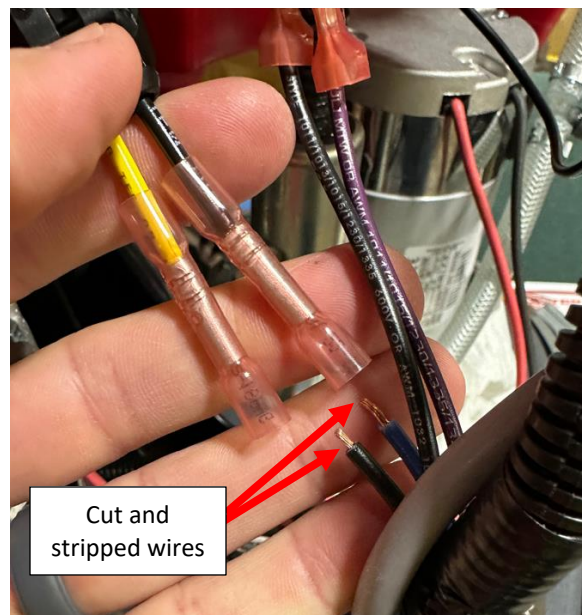
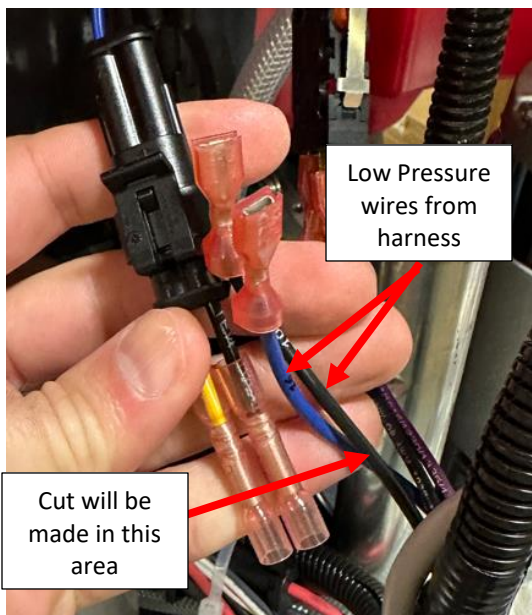
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8. On the low pressure switch, snap the other end of the connector that was provided into place.



9. Locate the old low pressure switch and remove the two wire connectors (Blue and Black wires) from it. Hold the two ends from the new switch near the existing wires from the harness to get a feel for how they will lay. On the main wiring harness, you will cut off approximately 2 1/2" from the end of each wire. Use a pair of wire strippers to strip 1/4" to 3/8" of coating.





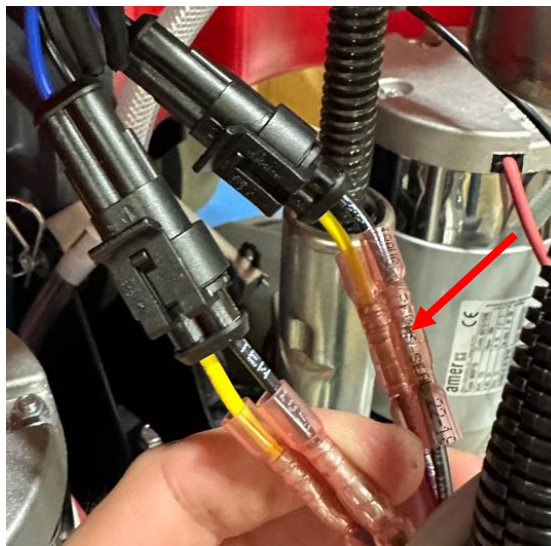
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10. Crimp the black wire from the main harness to the black wire from the switch followed by the blue wire from the main harness to the colored wire on the switch. Give the connections light tugs to ensure they are secure.



11. Repeat steps 8 through 10 for the medium pressure switch. There is a purple and a black wire going to that switch. Connect black to black and purple to the colored wire on the switch.

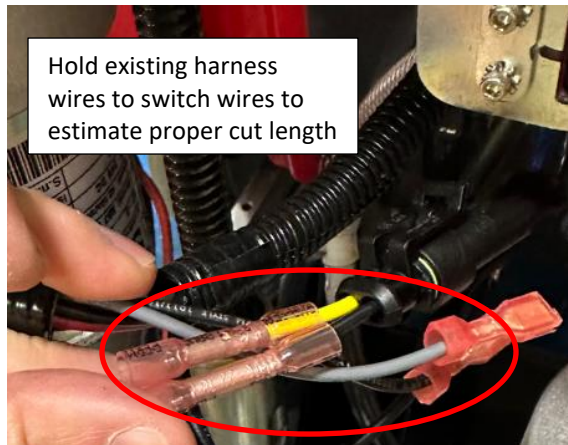




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12. Repeat steps 8 through 10 for the high pressure switch. There is a grey and a black wire going to that switch. Connect black to black and grey to the colored wire on the switch.



13. If available, use a heat gun to shrink the ends of the butt connectors onto the attached wires. This will help hold and help ensure a waterproof fit.

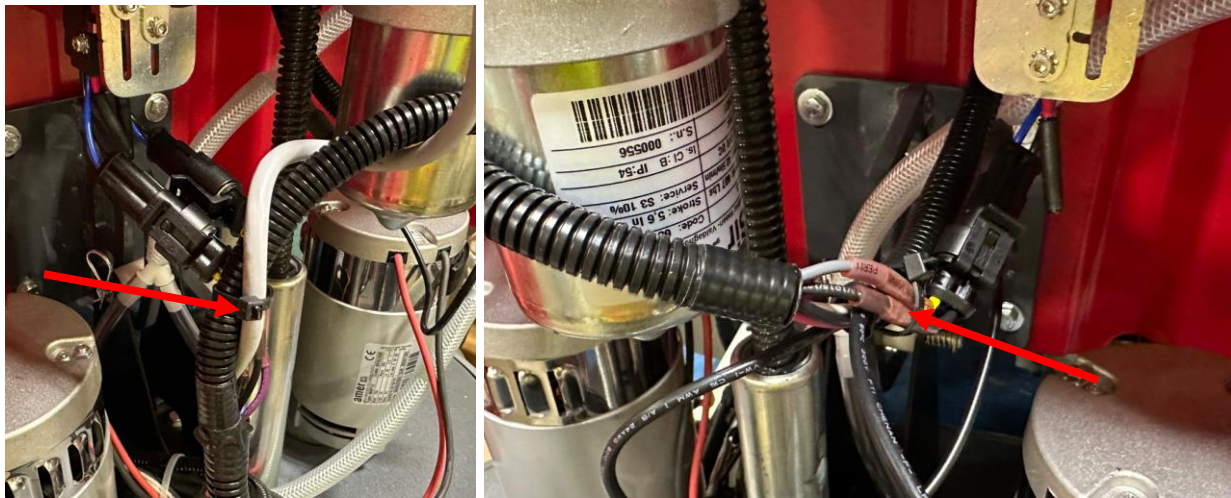




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14. Use the supplied zip ties to help bundle the wires and keep them clear of any obstruction. Cut off the excess from the tie.



15. When complete, re-attach the main Positive cable to the battery pack.
16. Turn the machine on and cycle the head lift to ensure everything operates properly. Make sure that they cables will not get pinched as the deck raises and lowers.