

Date: December 07, 2010

Model: E83039 Genie B APS

Subject: Upgrade spring to provide additional tension to the brush drive belt

Serial Number Range: 210006000 to 210006999



Description: To increase the tightness of the belt tension and provide optimal performance of the machine, Betco recommends upgrading the tensioner spring. This technical bulletin is designed to assist with the upgrade and installation of the spring. Any questions should be directed to the Technical Support Staff at 877-856-5954.

Technical Bulletin 20101207-1



Step #1: Remove the vacuum hoses that are attached to the recovery tank lid.

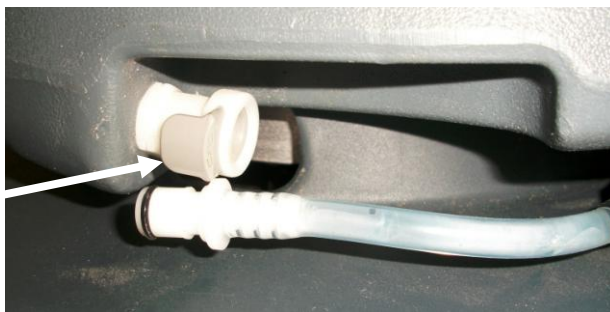


Step #2: Next, remove the recovery tank from the machine.

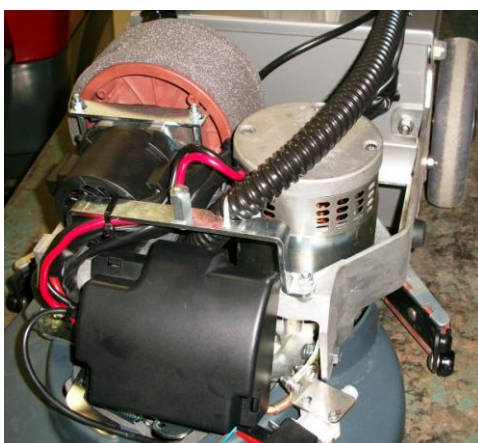


Step #3: Locate the solution quick disconnect hose in the front of the solution tank.

Technical Bulletin 20101207-1



Step #4: Depress gray button and unplug the solution line from the solution tank.



Step #5: Remove the solution tank and expose the main components.

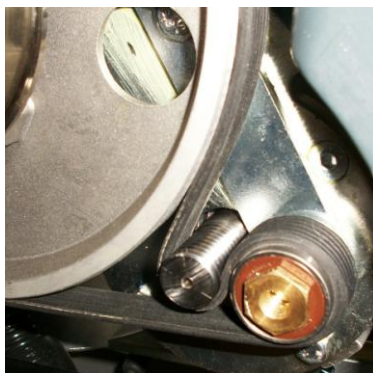


Step #6: Locate the belt tensioner spring (E81530) in the front of the machine.

Technical Bulletin 20101207-1



Step #7: Tilt the machine back (with the squeegee in the up position) and remove the belt.

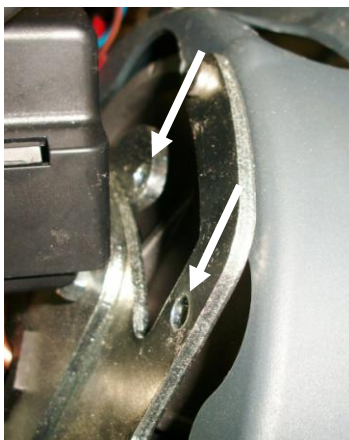


Note: To remove the belt, slip it off the main pulley and out of the tensioner assembly.



Step #8: Using needle nose pliers, unhook the spring from the tensioner as shown above.

Technical Bulletin 20101207-1



Step #9: Completely remove the spring from the frame and tensioner arm.



Step #10: Locate the upgraded spring. **Note:** *The new spring's hooks face the same direction, whereas the old spring's hooks are opposite of one another.*



Step #11: Using needle nose pliers, hook one end of the spring into the frame.

Technical Bulletin 20101207-1



Step #12: Turn the pulley until the tensioner arm is visible from the bottom of the machine.
Next, use needle nose pliers and hook the spring as shown above.



Step #13: Upon installation of the tensioner spring, the assembly should look like the picture above.



← Begin belt installation here first

Step #14: Next begin installation of the brush drive belt.

Note: *It is easiest to begin by threading the belt through the brush motor and tensioner pulleys first.*

Technical Bulletin 20101207-1



Step #15: Continue installing the belt by rotating the brush drive hub in a counter-clockwise motion.

Note: This will insure the belt is aligned properly with the other pulleys.



Step #16: After installation, the belt should appear like the picture above.



Step #17: Reinstall the solution tank and the solution line.

Note: The solution line is installed by pressing the hose into the QD fitting. You will hear a "click" when properly installed.

Technical Bulletin 20101207-1



Step #18: Reinstall the recovery tank along with the vacuum hoses.



At this point, the machine is repaired and ready for use.

Technical Bulletin 20101207-1