

INNOVA PUSHBUTTON FAILURES

ABM International has identified a significant issue with the failure of red and green pushbuttons on some Innova quilting machines. It has been determined that the pushbutton fits too tightly in the end of the handle bar tube on some Innova machines. Subsequently, the tight fit causes extreme stress on the pushbutton crushing the internals and causing premature failures.

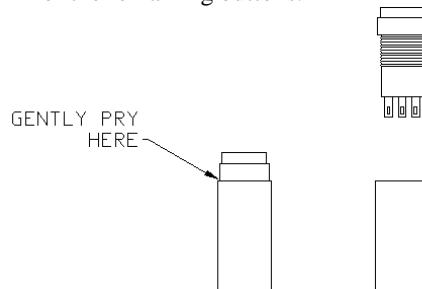
Removing and replacing the pushbutton alone will not fix this problem. ABM has determined that the most cost effective way to rectify this issue is to modify the threaded portion of the pushbutton switch. ABM has modified pushbuttons in stock. These pushbuttons will work with all Innova machines including the machines that do not have a button failure problem. The correct part numbers to order are EQ-SWITCH-R for red switches and EQ-SWITCH-G for green switches.

To rectify this issue, ABM recommends one of two options that the dealer may choose.

- I. Dealers may order (2) red and (2) green pushbuttons for any machine that has a failing button less than 1 year old. ABM requires the dealer to return the four original buttons for proper warranty replacement. Failure to return the buttons will result in a charge to the dealer.
- II. Dealers may attempt to modify buttons in the field (See Modifying in the Field). Modifying the button will not void the warranty. Buttons that fail after modification by the dealer will be replaced by Option I if necessary.

Replacing a Pushbutton:

- 1) Remove one of the old pushbuttons by gently prying on the flange between of the pushbutton and the handle bar.
- 2) Remove the wire connectors from the old pushbutton
- 3) Install the connectors on the new switch pins marked C and NO (**do not forget to put the insulating cover on the terminal marked NC**).
- 4) Re-install the new pushbutton into the handle bar.
- 5) Repeat steps 1 through 4 for the remaining buttons.



Modifying in the Field:

- 1) Remove pushbutton following the steps in Replacing a Pushbutton above.
- 2) Lightly sand the threaded area around the circumference of the pushbutton until the pushbutton inserts easily into the handle bar. It should take very little effort to push the button into the bar. Sand the threaded portion until the button insert easily. If the too much thread is removed from the pushbutton you may use Teflon tape wrapped around the button to hold it in the tube.

