Minuteman International

Component Testing Guide

827060 Switch

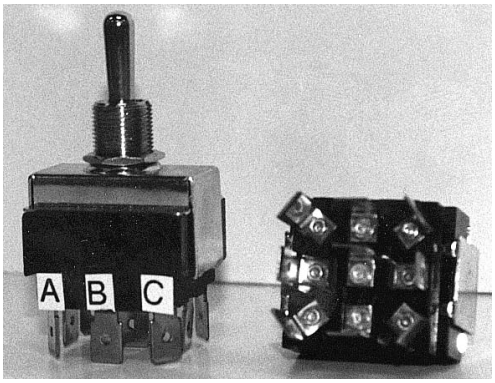
Where Used:

On the 260 and 320 Series Automatic Scrubbers

Purpose:

To control several functions (circuits) from one switch, i.e. on the 320 one switch controls the forward/reverse function and the brush on/off function.

How to Test:

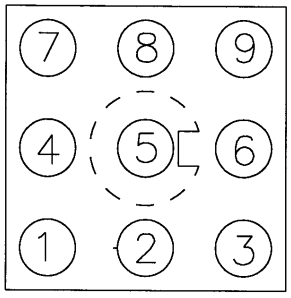


This switch can be tested with an OHM meter or Continuity Tester.

1). Remove all wires from switch and note their location. Position the switch so that the terminals are facing you and the locating groove or slot is facing the right as shown in the drawing.

2). Attach one lead of your continuity tester to the top center Terminal 8 and the other lead to the top left terminal 7.

3). Now push the switch's toggle to the right. You should now have continuity between terminals 7 & 8. With the toggle still pushed to the right and the terminals facing you as before, you should also have continuity between terminals 4 & 5 and 1 & 2. You should not have continuity between 2 & 3, 5 & 6 or 8 & 9.



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4). Now take your lead from terminal 7 and place it on terminal 9 and put one lead on terminal 8. Keep the switch with the terminals facing you and the aligning groove on the slot to the right as shown in the drawing.

5). Push the switch toggle to the left. You should now have continuity between terminals 8 & 9.With the toggle pushed to the left you should also have continuity between terminals 5 & 6 and terminals 2 & 3. You should not have continuity between terminals 1 & 2 - 4 & 5 - 7 & 8. If the switch is not performing as mentioned above it is defective and must be replaced.

Summary:

Terminals facing you aligning slot to the right.

TOGGLE RIGHT	**TOGGLE LEFT**
Continuity Between	Continuity Between
7 & 8, 4 & 5, 1 & 2	8 & 9, 5 & 6, 2 & 3

CAUTION: These tests should only be performed by a qualified technician. Working with electricity can be dangerous. When using jumper wires to help diagnosis an electrical component, care must be exercised to prevent a short circuit from occurring. Do not allow the two test leads (jumpers) to touch or personal injury or damage to the equipment will result.