

DATE: January 12, 2006
TO: All Minuteman Dealers
FROM: Technical Support Department
RE: SCV 28/32 Brush Actuator Replacement

The brush actuators in the following models will need to be adjusted upon installation, when replacing. The part numbers affected are as follows: 742712, 742712-1 and 742712-2.

Replacing the Brush Actuator on the SCV 28 or 32

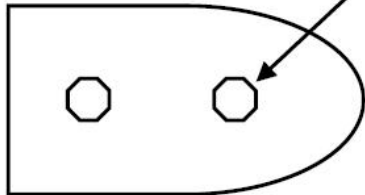
1. Lower the brush deck, so it gently rests on the floor.
2. Remove the side squeegees.
3. Remove the four bolts that mount the deck to the lift linkage.
4. Unplug the electrical connector and the Quick Connector for the solution from the deck.
5. Slide the deck out from under the machine.
6. Unplug the electrical connector to the actuator motor.
7. Remove the two pins that mount the actuator on each end.
8. Remove the actuator from the machine.
9. Mount the new actuator. Do not connect the electrical connector on the actuator at this point.
10. Connect the battery pack.
11. Turn the machine on.
12. Put the machine in Service Mode (See page 4) . Hold one of the brush pressure buttons on the touch pad for over 20 seconds and release on the model SC2800000. The SC28/32E's service mode switch is located in the controller compartment under the seat, on the operators left side. Push the rocker switch in the down position for 20 seconds.
13. Connect the actuator electrical connector into the harness.
14. Use the up and down buttons on the touch pad to adjust the brush linkage height, so that you can slide the brush deck into position. Do not raise it all the way up, until it is set correctly.
15. Lower the linkage down, using the touch pad or rocker switch, so that it gently rests on the mounting brackets.

16. Slide the brush deck into position, install the four mounting bolts and tighten. Connect the brush motor connector and solution quick connector.
17. Locate the black rubber removable plug on the right side of the actuator and remove.
18. For models with cylindrical decks only. Remove the plastic side deck cover on the operators left side. This is a gray plastic piece screwed to the side of the solution tank above the deck area.
19. Use the brush pressure up button to raise it up a little at a time. The clearance between the top belt cover and the under side of the tank should be between 1/4 to 3/8 inch, when the deck stops rising up. Do not allow it to rise any higher or it might over load the actuator. If it continues to rise higher, adjustment will be required.
20. For Disk machines only, the actuator should be set so that you can slide the brushes under the deck and not bottom out under the machine.
21. Adjust the actuator adjustment screw to change setting see drawing. Turn the screw no more than 1/8 of a turn at a time. The adjustment screw closest to the shaft controls how high it rises. The screw furthest from movable controls maximum down pressure. Look at the rubber plug to determine which way to turn the screw.
22. Lower the brush deck and return it back up for the new settings to change.
23. Adjust the down setting so that the actuator cannot lift the drive motor off the floor. Set it so it only lifts some pressure off the drive wheel.
24. Once the correct setting is made replace the rubber plug into the side of the actuator motor.
25. Replace side plastic cover.
26. Turn the key switch off and back on.
27. Test the machine.

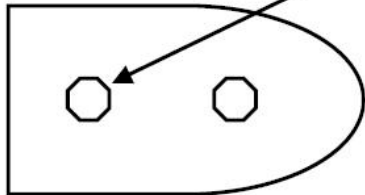
Actuator Adjustments

SCV 28/32 Actuator Adjustment

7/32" Hex



Turning this screw counterclockwise
increases the lifting height of the deck.
(Raises it higher up)



Turning this screw counterclockwise
decreases the lowering height of the deck.
(Does not go down as far)

To enter service mode with a stuck actuator:

- With the machine off, unplug the **P2 connector**.
- Turn it on and press and hold the service switch up to 30 seconds.
- Plug the **P2 connector** back in. (Leave machine on)
- Press the service mode switch to raise and lower the brush deck.

