



INSTALL INSTRUCTIONS



PART NUMBER	154-8616 / 154-8616A / 154-8616E
PART DESCRIPTION	Buffer Motor Replacement
REV DATE	02/02/2002
WRITTEN BY	Jay Caputo
APPROVED BY	John Thrift
MACHINE MODELS	Sanction Standard SE, VB



Basic knowledge of the lane machine including mechanical and electrical

TOOLS NEEDED:

9/16" Wrench (2)
Phillips Screwdriver
Hammer

3/32" Allen Wrench
Regular Screwdriver
Rags

1/8" Allen Wrench
Red Loc-Tite

Please thoroughly read through the instructions prior to performing the installation of this assembly. To avoid any potential problems, if at any time during the process you may have a question, stop and contact our Tech Support department at 1-800-280-2695

1. Apply power to machine. Using test output 107, lower buffer brush to the lowest (down) position.
2. Unplug machine.



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3. Remove the buffer/head drive guard on left side of machine.
4. Loosen and remove the buffer belt idler using two 9/16" wrenches.
5. Remove buffer belt from around pulleys.
6. Unplug the water hoses from the cleaner pump. Next, unscrew fasteners holding the cleaner pump mounting box to the frame, unplug pump wiring from harness, and pull assembly out of machine.
7. Loosen two (2) 1/4" - 20 x 7/8" bolts (front side of transfer wall) holding the variable buff sensor assembly and slide assembly down to loosen the belt to rear pulley on buffer motor. Remove belt from around the buffer motor pulley.
8. Loosen and remove the four (4) 3/8 - 16 x 1" bolts w/lock washers, and washers that secure the buffer motor to the side panel. Pull motor lip from side panel mounting hole and remove from machine.
9. Remove large pulley from old motor using an allen wrench and then the smaller pulley from rear of motor.
10. Remove key from keyway on 5/8" diameter shaft.
11. Place key into new motor keyway and tap into place w/ a hammer (if needed).
12. Put a small amount of red loc-tite (or other similar adhesive) onto shaft. Line up pulley keyway with shaft key and slide onto shaft (teeth first - in) until 1/16" of shaft protrudes past the pulley hub. Tighten set-screw.
13. On opposite side of motor, place a small amount of red loc-tite on the 5/16" shaft. Slide small pulley (hub first-inward) onto shaft, lining the set screw up with the flat spot on the shaft. Push in until hub hits the base of the shaft and tighten set - screw to flat spot.
14. Place new motor into mounting location, making sure motor lip is inside large mounting hole on frame panel. The new motor wiring will be toward the transfer wall while the motor wiring cover will be on top of the motor facing straight up.
15. Screw the 3/8"-16 x 1" bolts through side panel holes into the buffer motor mounting holes and tighten motor to the panel. Plug motor wiring to harness wiring.
16. Place the sensor assembly belt back around small pulley. Pull the assembly up to tighten belt and tighten the two (2) 1/4"-20 x 7/8" bolts (front side of transfer wall) to secure.



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17. Plug the cleaner pump back into the harness wiring and set the mounting box back into place. Line the mounting holes up and secure box back to frame. Then plug water hoses back into pump fittings.
18. Place buffer belt back around motor and brush pulleys.
19. Re-install buffer belt/idler back onto frame. Push idler down to make belt tight and tighten to frame.
20. Place the buffer/head drive guard back onto frame and secure with fasteners removed from step #3.
21. Apply power to machine. Using test/output 102 buffer motor, run motor to insure proper installation and performance.



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