



INSTALLATION INSTRUCTIONS

PART NUMBER	154-8603
PART DESCRIPTION	DRIVE WHEEL REPLACEMENT
REV DATE	2/21/2002
MACHINE MODELS	SANCTION STANDARD



Basic knowledge of the lane machine including mechanical and electrical

TOOLS NEEDED:

Phillips Screwdriver

Flathead Screwdriver

7/16", ½ wrench

1/8", 5/32" Allen wrench



TECHNICAL NOTE

Please thoroughly read the instructions prior to performing the installation of this assembly.

To avoid any potential problems, if at any time during the process you have a question, stop and contact our Tech Support department at the numbers listed below.

Please visit our growing library of videos to see if these instructions are available!



www.youtube.com/user/KegelBowling81



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Rev. 3.14

1. Remove lid mounting block from right side of machine. Slide lid out and off.
2. Remove recovery tank from machine.
3. Loosen screws and remove the speed control cover.
4. Loosen screws and remove the fuse holder guard.
5. Unscrew P.C. mounting screws and slide P.C. forward against transfer wall as far as possible.
6. Loosen screws and remove the water pump mounting box (cleaner hoses will have to be disconnected also).
7. Remove fasteners securing the drive shaft guard to the wall. There will be three (3) flathead screws (holding guard to wall in cleaner compartment) with a washer and locknut secured on back side in the electrical compartment. When loose, pull guard out of machine.
8. Remove the drive chain guard from right side of machine. With guard removed, pop the master link off of the drive chain and remove the chain. Loosen the set-screw on the drive shaft sprocket and pull the sprocket off of the shaft. Remove key stock from keyway.
9. On the left side of the machine, remove the drive shaft tachometer cover. Next, loosen and remove the screws holding the sensor to the side panel and pull sensor out from the disk. Loosen the set screw for the sensor disk and slide disk off of the shaft.
10. On both sides of the machine, loosen the bearing set screws (4).
11. Then, on both sides of the machine, remove the 5/16" x 1 1/4" flathead bolts & fasteners securing the bearings to the side panels. Once bearings are loose, slide both of them inwards toward the wheels.
12. Loosen the drive wheel set screws on both sides.
13. Loosen and remove the fasteners securing the shaft mounting blocks to the floor plate.
14. Slide the whole shaft assembly to the left until right side of the shaft is inside the frame panel, then lift shaft assembly out of the machine.
15. If, replacing wheels only, remove old wheel(s) and place new one(s) on shaft (making sure setscrews seat down onto the flat spots on shaft).



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16. Place shaft assembly into the machine, angling the left side down and through the cut - out in the side panel. Then set assembly down onto floor plate and slide shaft back toward the right, allowing the right side of shaft to protrude through panel on right side. Make sure bearing collars are both facing inward toward drive wheels, and that the marked side of each mounting block is against the floor plate.
17. Push carriage bolts through floor plate and mounting blocks and secure on top side with washers, lock washers, and nuts.
18. Secure both bearings to side plates using the 5/16 " x 1 1/4 flat head bolts and fasteners removed during step #11.
19. Slide the drive shaft to the right until the turned down tip of the shaft is completely sticking outside of panel and the shaft face is flush with outside edge of panel.
20. Tighten the RT. side bearing set screws to secure shaft in place, then do the same for the set screws on left bearing.
21. Pull outward on both drive wheels and tighten set screws, making sure set screws are in shaft flat spots.
22. Place the sensor disk in, hub out back onto the turned down tip of the shaft. Secure the pass through sensor back onto the side panel (disk will be inside sensor). Make sure the disk is centered between the sensor "arms", tighten disk set screws to shaft. Make sure the sensor cable is plugged into sensor.
23. Place the tachometer cover back on and secure.
24. Tap the key stock back into the keyway (on left side of machine). Slide the drive sprocket onto the shaft (hub first) until the edge of the sprocket is even with the edge of the shaft. Tighten sprocket set-screw. Place drive chain over both sprockets and secure with the master link.
25. Place the drive chain guard back on side panel and secure.
26. Put the drive shaft guard back over the drive shaft (in cleaner compartment) and using the three (3) flathead screws and fasteners, secure back into place.
27. Set the water pump mounting box back onto frame and secure. Plug cleaner hoses back into fittings.
28. Screw the P.C. back down to the mounting plate.



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29. Place fuse holder guard back in machine and secure with fasteners removed in step #4.
30. Place speed control cover back in machine and secure with fasteners removed in step #3.
31. Place recovery tank back into machine.
32. Slide left side lid hinge back into the mounting block. Place RT. side lid mounting bracket onto hinge and secure in proper location.



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