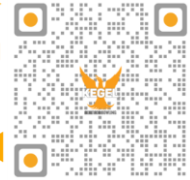





Installation Instructions



PART NUMBER	164-8839	
PART DESCRIPTION	CUSHION ROLLER ASSEMBLY	
REV DATE	5/27/2020	
MACHINE MODELS	ALL MODELS	

TOOLS NEEDED	PARTS
(2) 7/16" WRENCH 5/32" ALLEN SOCKET (SOME MODELS) SUPER GLUE PHILLIPS SCREWDRIVER	(1) 164-8839 CUSHION ROLLER (4) 153-2531 3/8" NYLON WASHER
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.	

STEPS

On the Flex, Flex Walker and IKON models, it will be necessary to remove the side guard assemblies. Prior to step 1.

- 1) Remove the Duster Cloth to allow for more room around the Cushion Roller.
- 2) With the machine in the transport position, remove the hardware from the Cushion Roller Pivot Arm on either side of the machine. One side only is needed.
- 3) Remove the hardware from the pivot arm, being careful not to lose the 5/16" flat washer which acts as a spacer between the pivot arm & frame. Do this for both sides.
- 4) From the underside of the machine, carefully pull the Cushion Roller towards you out of the lane machine. Be careful not to catch the microswitches.
- 5) Remove the arms from the old cushion roller. Using the supplied shims, place them onto the new roller until stem of the roller is flush with the flanged bearing. Do the same to the opposite side.



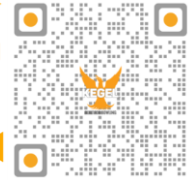
Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
www.kegel.net
E-Mail: tech@kegel.net

Rev. 9/20





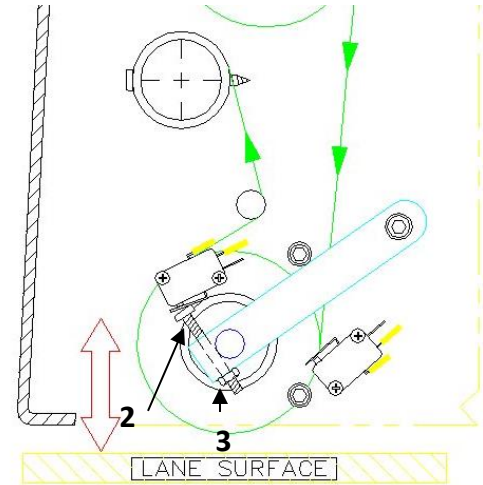
Installation Instructions



- 6) Carefully slide the 5/16" flat washer (acts as a spacer) between the pivot arm mounting hole and frame and re-insert the bolt. Re-install the hardware and tighten. You can place a drop of super glue to help with the washer staying in place while reinstalling.

UPGRADE FROM 153-8838 TO A 164-8839

- 1) Remove existing cushion roller according to instructions/steps #1-4.
- 2) Remove the bolts that act as the upper stops for the cushion roller pivot arms **(1)**. (One bolt on each side of machine).
- 3) **This step is only for Phoenix, Phoenix S, Kustodian, Kustodian Plus and Sanction Standard machines.** Using a rat-tail file or rotary tool, elongate the two holes (that you removed the bolts from) about 1/8" taller (toward top of machine when in operating position). Make sure the holes are elongated the same measurement on both sides of the machine. Replace the bolts back in the two holes and hold them up as high as they will go in the holes, secure the bolts in this position.



- 4) The actuating screws that are located in the ends of both pivot arms will now have to be adjusted **(2)**.
- 5) Adjust the screws clockwise. Insert the shoulder bolt through the frame and pivot arm. Raise the pivot arm until the arm stops against upper limit bolt. Adjust the screw so that the switch actuates at this point (after switch is made, rotate screw 1/2 turn further). Tighten the nut on the bottom side of the screw against the pivot arm to secure this adjustment **(3)**. Repeat for the other arm.
- 6) Install the new cushion roller according to steps #5-7.
- 7) While still in the transport position, remove the front two lane-to-lane casters and install the supplied square spacer between the underside of the angle and the caster using the new hardware supplied.

NOTE:

Check the adjustment on the momentary wheels when the installation is complete. There should be 1/4" between the wheels and the lane when the machine is on the lane surface.

