



INSTALL INSTRUCTIONS



PART NUMBER	153-8838 / 153-8839
PART DESCRIPTION	Cushion Roller Assembly
REV DATE	1/10/18
WRITTEN BY	Mike Purdy
APPROVED BY	Dave Houser
MACHINE MODELS	ALL machines



Basic knowledge of the lane machine including mechanical and electrical

TOOLS NEEDED:

7/16" Wrench

5/32" Allen Socket

PARTS:

(1) 153-8838 Cushion Roller Assy **OR** (1) 153-8839 Cushion Roller Assy w/ Wrap

NOTE:

IF SIMPLY REPLACING EITHER A 153-8838 WITH A 153-8838 OR A 153-8839 WITH A 153-8839, COMPLETE STEPS #1-7.

IF UPGRADING FROM A 153-8838 TO A 153-8839, ONLY COMPLETE STEPS #8-14 (KEEPS THE CUSHION ROLLER PAD FROM CONTACTING THE LANE WHEN THE MACHINE IS GOING IN OR COMING OUT OF THE LANE). PLEASE NOTE THAT THE FOLLOWING ADDITIONAL PARTS WILL NEED TO BE ORDERED SEPARATELY, AS THEY ARE NOT INCLUDED WITH THE 153-8839.

(2) 153-2069 3/8-16 X 2" HHCS

(2) 153-6421S LANE-TO-LANE CASTER SPACER (1-1/2" X 1-1/2" X 1/4")

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 may have a question, stop and contact our Tech Support department at 1-800-280-2695



1. Loosen the Duster Cloth to allow for plenty of slack around the Cushion Roller.
2. With the machine in the transport position, remove the stover nut from the Cushion Roller Pivot Arm shoulder bolt on either side of the machine.
3. Remove the shoulder bolt from the pivot arm, being careful not to lose the 5/16" flatwasher which acts as a spacer between the pivot arm & frame.
4. From the underside of the machine, carefully pull the Cushion Roller towards you on this end and pull it out of the pivot arm on the opposite side where it is still mounted to the frame.
5. Insert the new replacement cushion roller stem into the mounted pivot arm, being careful not to damage the stem in any way. Use the nylon spacers supplied as necessary to allow for minimal side-to-side play.
6. Place the loose pivot arm onto the stem on the opposite end and position the mounting hole back in line w/ the frame hole.
7. Carefully slide the 5/16" flat washer (acts as a spacer) between the pivot arm mounting hole and frame and re-insert the shoulder bolt. Re-install the Stover nut and tighten.

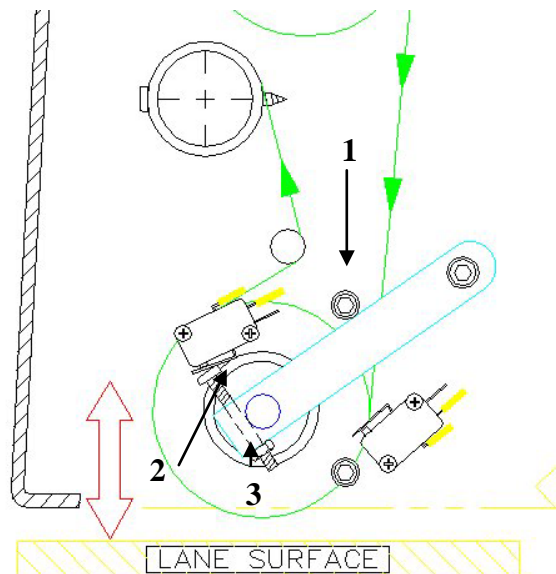
UPGRADE FROM 153-8838 TO A 153-8839

PLEASE NOTE THAT THE FOLLOWING ADDITIONAL PARTS WILL NEED TO BE ORDERED SEPARATELY, AS THEY ARE NOT INCLUDED WITH THE 153-8839.

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8. Remove existing cushion roller according to instructions/steps #1-4.
9. Remove the bolts that act as the upper stops for the cushion roller pivot arms **(1)**. (One bolt on each side of machine)
10. 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.



11. The actuating screws that are located in the ends of both pivot arms will now have to be adjusted **(2)**.
12. 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 ½ turn further). Tighten the nut on the bottom side of the screw against the pivot arm to secure this adjustment **(3)**. Repeat for other arm.
13. Install the new cushion roller according to steps #5-7.
14. While still in the transport position, remove the front two lane-to-lane casters and install the **153-6421S LANE-TO-LANE CASTER SPACER (PURCHASED SEPARATELY)** between the underside of the angle and the caster using the **(2) 153-2069 3/8-16 X 2" HHCS (PURCHASED SEPARATELY)**.

NOTE:

Check the adjustment on the momentary wheels when the installation is complete. There should be ¼" between the wheels and the lane when the machine is on the lane surface.

