



INSTALLATION INSTRUCTIONS

PART NUMBER	164-8012
PART DESCRIPTION	L to L HANDLE ASSEMBLY REPLACEMENT
REV DATE	4/14/2020
MACHINE MODELS	FLEX / IKON



Basic knowledge of the operation of the lane machine

TOOLS NEEDED:

½ Wrench	½ Socket	7/64 allen wrench
9/16 Wrench	9/16 socket	3/16 allen wrench
#2 Phillip Screwdriver	wire cutters	3/8 Drill and drill bit

PARTS INCLUDED:

QTY	PART NUMBER	DESCRIPTION
1	164-8012	Handle Assembly (Complete)
4	164-2092	Black Nylon washer 3/8
2	164-2093	HHCS Flanged 38-16 x 3" Partial Thread
2	164-8254	Handle Mount 3/8" Blackend
2	164-6058A	Handle Spacer 3/8"



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

KEGEL TECH SUPPORT:

Within USA - 1-800-280-2695
 Outside USA - +1 863-734-0200
 via e-mail at LMC@Kegel.net
 website www.kegel.net

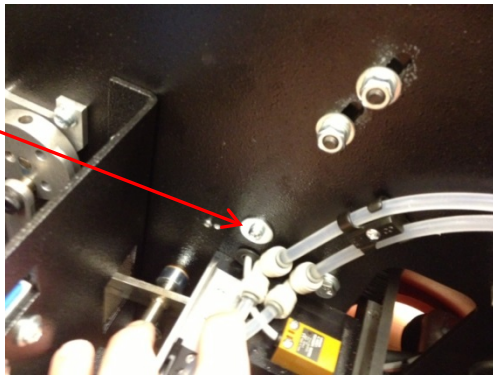


Remove the lower Side Guards

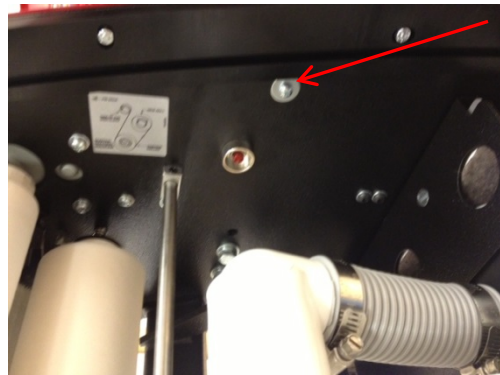
1. With the machine in the up-right transport position, remove the three (3) screws that mount the bottom of the side cover as shown to the right.



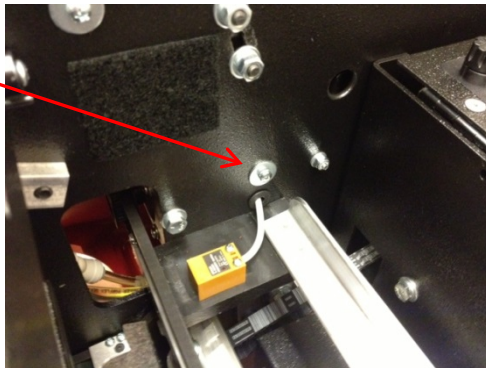
2. Set the machine down in the operating position and remove the two (2) screws that fasten the lower side covers to the side plate of the machine as shown below



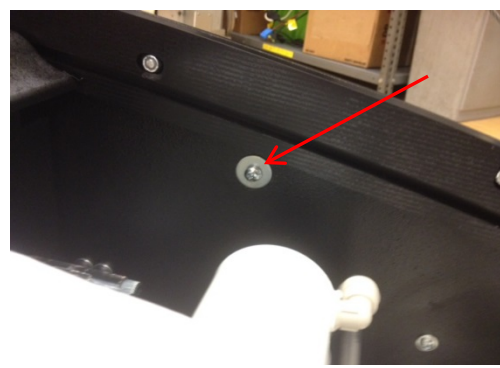
Oil Compartment 10-pin side



Cleaner Compartment 10-pin side



Oil Compartment 7-pin side



Cleaner Compartment 7-pin side

(Illustration purpose only)

Remove the upper Side Guards

1. With the machine still in the down position, operating position, remove the 3 screws that are shown in the below diagrams. Do this to both the right and left side of the machine.



Oil Compartment 7-pin side



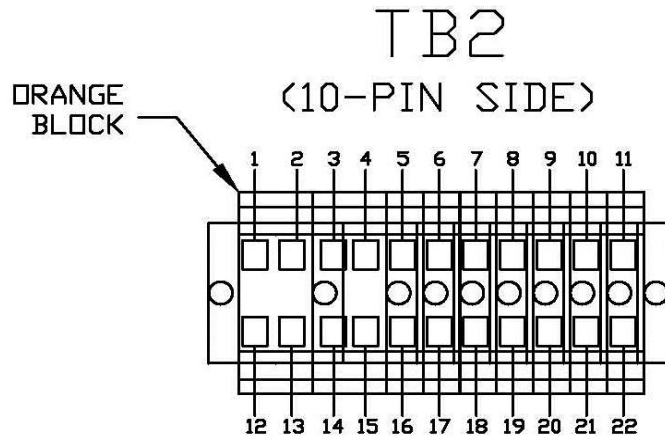
**Oil Compartment 10-pin side
(Illustration purpose only)**

Remove handle button wires

1. On the 10-pin side of the machine, with a small flat screwdriver, push in on the start button wires that are attached to the terminal block in the below diagram.

Note: Because of the type of wire used in earlier models, you may have two possible colors in each of the wires. Use the below diagram for reference.

It's a good idea to make note, or take a picture of where the wires are going.



Color Code A:

Terminal #4 - BLACK

Terminal #10 - RED

Terminal #11 - WHITE

Color Code B:

Terminal #4 - BLACK #1

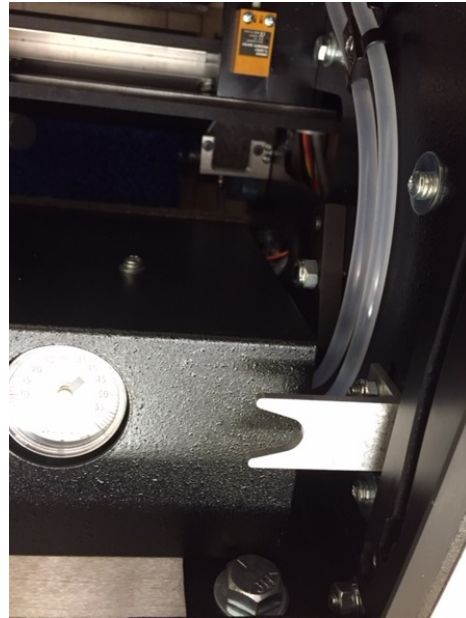
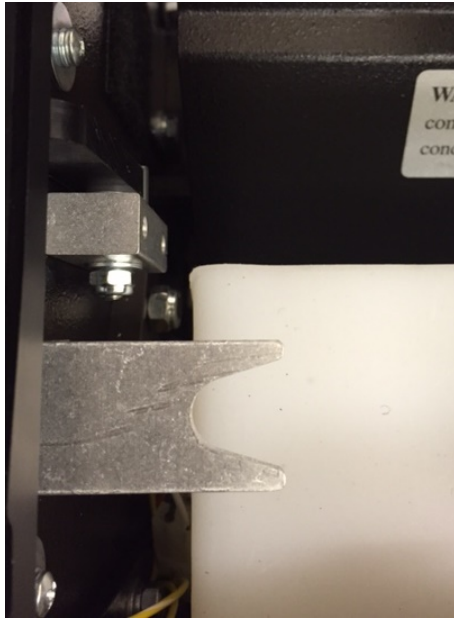
Terminal #10 - YELLOW/GREEN

Terminal #11 - BLACK #2

2. Carefully cut and remove all of the wire ties that are attaching the start button wires in place.

Remove handle assembly

1. On both the 7 and 10-pin side of the machine, using the ½" wrench, remove the locknut that is fastened to the handle bolts.



2. Remove the allen bolts that fasten the handle assembly to the lane machine.
Note: There will be a small spacer located between the handle and the side plate. This will be removed and will not be used again.



Installing the new handle support block assembly

1. Remove the tank light switch assemble to access the jam nut on the 7-pin side.
2. Remove both handle jam nuts, unscrew bolts and remove handle.
3. Remove threaded mounting blocks from both sides. The machine head screws may have Lock-Tite applied to them so it may be necessary to use some heat to soften thread locker.
Note: When using heat in the conditioning compartment do not get any heat near the buffer brush or damage will occur very quickly!
4. Mount the new threaded blocks and be certain that the new handle bolt will thread into the mounting block.



Installing the handle assembly

1. Install the new handle assembly onto the lane machine in reverse order that it was removed in. Use the new spacers from the kit.
2. Thread handle bolts into the threaded blocks and snug handle up so it does not move too freely and tighten jam nut on the threaded blocks. If the bolt does not want to thread into the block, open the hole in the side plate of the machine so threads line up with hole.
3. Route the wires as shown below.
4. Refer to your wire chart and route the wires and fastened into place. Wire tie the wires nice and neat so that it will be easy to trace if need be.

Power up the lane machine and verify that the handle button is working properly.

