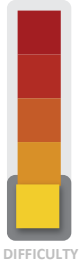




Installation Instructions

PART NUMBER	164-8240	
PART DESCRIPTION	FLEX OIL TIP REPLACEMENT KIT	
REV DATE	11/15/2022	
MACHINE MODELS	FLEX/FLEX WALKER	

TOOLS NEEDED	PARTS
Allen wrench Phillips Screwdriver Razor	164-8240 - FLEX OIL TIP REPLACEMENT KIT

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



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

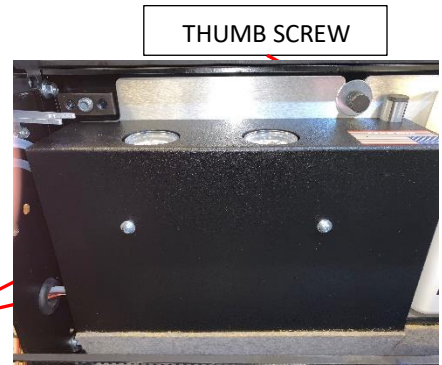
Rev. 9/20



Removal of existing Oil Tip assembly

1. Place shop towels under the lane machine to collect any drips of oil that may fall from the machine.

2. Loosen the thumb screw that holds the Oil Pump Plate assembly in place and remove the Oil Pump Plate assembly out of the machine. Remove the cover for the Oil pump assembly that is attached by the two Phillip screws.

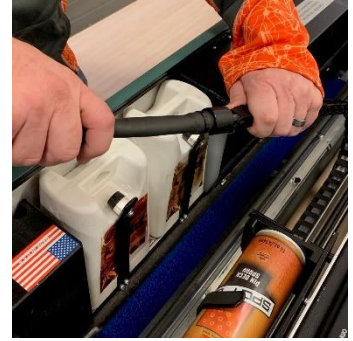


3. Follow the two oil hoses that are going to the oil control valves and remove them from the quick connects that they are plugged into.
4. Follow them back towards to the tip and remove the two elbow connectors that are located in the corner against the 10-pin wall.

5. Disconnect the Flex cable carrier from the connection at the top of the Oil Tip assembly, as shown to the right.



6. Remove the Oil Tip assembly from the machine by pulling it all the way out of the Flex cable carrier.

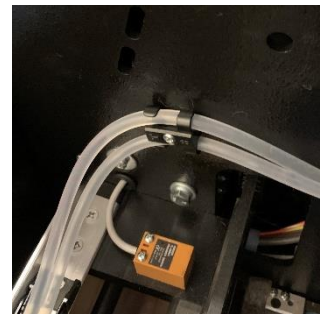


Installing the new Oil Tip assembly

7. Take the new Oil Tip assembly and route it back through the Flex Cable carrier just like the old one.



8. Route it through the clamps located on the 10-pin side plate.



9. Cut each of the tubing and fit into each of the oil control valve connections where the old ones were pressed into. These are located on the right side of the oil control valve when looking straight at it, as shown. It does not matter which tube goes into either pump. DO NOT cut too much off, just do a little at a time until there's a little slack.



10. Reinstall the cover assembly with the two Phillip screws.
11. Place the Oil Pump Plate back down into the machine and fasten the plate into plate with the thumbscrew. Be sure the 2 moxex plugs are plugged in.
12. Once all together, run a few Oil Calibrations to verify they are correct and that there are no leaks, and everything operates as it should.

Oil Tip adjustment

The Oil Tip assembly comes already adjusted to factory specifications. However, the instructions are attached to inspect the adjustment, and to make the proper corrections if need be.

This adjustment should be checked with the buffer brush running. To operate the brush, go to your test INPUT/OUTPUT screen and press the BUFFER MOTOR then press the button in the center that says BUFFER TEST to turn on the motor. After making each position adjustment you will also need to make sure the tip is as close to the drip pads as possible, without touching them.

There are two adjustments that can be made to the oil tip.

One adjustment is the height of the tip in relation to the Transfer Brush. The other is the position of the tip front to back. Adjust the Oil Tip as close to the “V” as possible without actually dispensing oil into the “V” area.

The oil tip height can be adjusted by loosening the set screw in the tip holder collar and sliding the tip holder up or down. Tighten the set screw when desired height is achieved.

The oil tip pitch can be adjusted by using the set screws located in the front and back of the Oil Head block assembly. The pitch should be set to dispense conditioner on the black transfer brush (very close to the V) but not directly onto the blue buffer brush.