



Installation Instructions

PART NUMBER	154-8290	
PART DESCRIPTION	EXTERNAL TACH SENSOR UPGRADE	
REV DATE	10/25/2022	
MACHINE MODELS	PX-8 A/B, PXS A/B, ECHO, SM2	

TOOLS NEEDED	PARTS
Phillips Screwdriver Hammer Center Punch Electric Drill Drill Bits 1/8", 3/16	154-8290 EXTERNAL TACH SENSOR UPGRADE
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.	

VERY IMPORTANT

You must have the ability to upgrade the software at the conclusion of the hardware installation procedure!

STEPS

Phoenix 8 pad Lane machine users please consult KEGEL prior to installing this kit. Additional parts may be necessary to complete this upgrade.

1. Remove the tach Sensor Cover. Then remove the nuts securing the plate covering the chain on the bottom of machine. Now remove the standoffs that held the cover on to the side of machine.



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2. Next, remove the sensor from the machine by removing the Phillip screws. Then remove the wire clamp (hold on to clamp and screw you will use it later). Unclip sensor from wire and leave wire hang.
3. Now remove the sensor disc from its hub by removing the three small Phillip screws. Remember DO NOT remove hub from shaft.
4. Using the template, screw into old sensor holes. Using a center punch, mark each of the holes and remove the template.
5. Next, using the template as a reference, carefully drill all the holes that have been marked. Deburr holes so there are no jagged edges.
6. Locate the aluminum 5 tooth sensor disc and the three 4-40 x 5/8 ms, with a drop of blue loc-tite screw the disc to the aluminum hub.
7. With the 4/40 x 1-1/2 inch screws, 4/40 locknut, and the #6 flat washers provided, mount the new tach prox to the side plate. Before tightening, measure a gap between prox and disc of 0.010, then tighten prox. Fasten the cable to the frame by using the clamp you removed of the sensor.
8. Pull old sensor wire through grommet from inside of machine, cutting wire ties will be necessary. Run new prox wire threw grommet and run through harness where old sensor wire was run, run to terminal block # 2. Before removing old sensor wire from terminal block match up new wire colors and strip back wire and screw into block. Blue to Blue, Brown to Brown and Black across from Black/Blue. Refer to manual if any problems. Wire tie harness back together.
9. Next, mount new prox cover on with 8/32 x 5/8 Phillip screws, washers, and locknuts. Replace the chain cover plate on the bottom of machine.
10. Install new program.