



INSTALLATION INSTRUCTIONS

Part Number: 163-1202

Part Name: Limit Switch Assy

Revision Date: 6/12/17

Approved By: Don Agent

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 the Kegel Pinsetter Parts Tech Support department at the numbers listed below.

Tools Required:

Phillips Screwdriver

11/32" Nut Driver

Parts List:

- (1) 163-1202 Limit Switch
- (1) 163-6601 Limit Switch Mounting Bracket
- (2) 153-2090 8/32 X 1 1/2" MS
- (4) 153-2019 8/32 Nyloc nut
- (8) 153-2002 8/32 Flat washer
- (2) 153-2086 8/32 x 5/8 MS
- (1) Installation Instructions

Steps:

1. Remove the mounting bracket and micro switch and position both items as shown in the picture below.



2. Remove the hardware listed below from the kit.

(3)	153-2090	8/32 X 1 1/2" MS	QTY-2
(4)	153-2019	8/32 Nyloc nut	QTY-2
(5)	153-2002	8/32 Flat washer	QTY-4

3. Attach the micro switch to the bracket inserting the bolt with a flat washer through the switch and bracket as shown in the picture below. Secure another flat washer followed by the Nyloc nut to the threaded bolt. Lightly tighten the hardware but make sure you can still move the switch up and down when it is time to set the proper height.



4. Remove the last of the hardware from the kit. This hardware will be used to secure the new mounting bracket to the existing OEM pin count switch bracket. An additional set of slotted holes were provided if extra adjustment is needed.
5. Center switch and bracket to shark and raise or lower switch as needed until minimal contact is made once a pin comes off of the pin shuttle assembly. Tighten all hardware while being careful not to over tighten the switch hardware.

WARNING!!!

**DAMAGE TO THE SWITCH
MAY RESULT IF YOU
OVERTIGHTEN THESE
MOUNTING SCREWS!**



6. If additional height adjustment is needed loosen the mounting hardware that connects to the OEM bracket and raise or lower as needed.
7. Once the final adjustments have been made and all hardware has been tightened, route the cable and secure with wire ties as needed.
8. Run machine in diagnostic mode and verify proper switch activation and machine operation.