



**Buy A Morley. And Step On It.**

## SPRING REPLACEMENT INSTRUCTIONS FOR VAI-1, NSW OR PBA (coiled spring style)

Follow the below instructions to replace a broken or fatigued spring on any of the above mentioned pedal models.

Tools you will need:

- 12 mm nut driver
- 5/16" nut driver
- 1/4" nut driver
- Phillips Screwdriver (medium tip)
- Long tip Needlenose pliers (2" long tip)
- 3/8" Wrench (Open end or Box end)

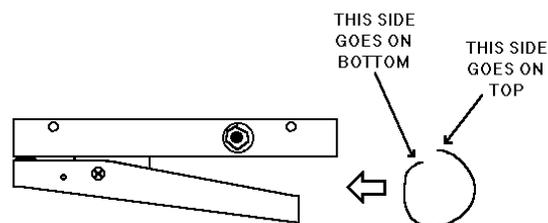
### DISASSEMBLY

- 1) Remove four bottom cover screws using Phillips screwdriver.
  - 2) Remove bottom cover.
  - 3) Remove two Chrome jack nuts and black plastic rings from 1/4" input and output jacks.
  - 4) Remove four 1/4" nuts that hold down circuit board.
  - 5) Slip battery snap out from battery foam slit.
  - 6) The circuit board can now be removed from base.
  - 7) Remove four 5/16" nuts, four 6-32 x 1/2" Phillips pan head screws and four washers that attach base to treadle.
  - 8) The base, treadle and spring will be completely disassembled at this point. Discard old spring.
- CAUTION:** Spring may have sharp edges especially where a break has occurred!

### ASSEMBLY

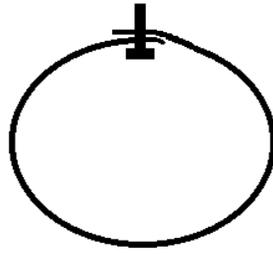
- 1) Completely tighten down treadle brackets. To accomplish this, place the 3/8" wrench on the nut located on the inside of the treadle/bracket assembly. Tighten thoroughly and repeat for other side.
- 2) Using diagrams 1 & 2 as guides, squeeze the spring to line up screw openings.

### DIAGRAM #1



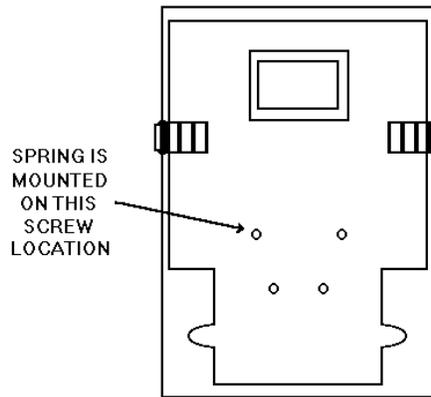
- 3) Place one 6-32 x 1/2" Phillips pan head screw into spring opening. The screw head should be on the inside of the spring with the threads sticking up outside the spring (see Diagram #2)

## DIAGRAM #2



4) Place spring into position (see Diagram #3).

## DIAGRAM #3



- 5) Place base into treadle allowing screw to locate in position (shown in Diagram #3). Replace washer and 5/16" nut. Do not completely tighten yet.
- 6) Using the needlenose pliers, hold a 6-32 x 1/2" Phillips pan head screw by the head and insert from underside of treadle bracket. (The thread should stick up in the inside of the pedal base) Replace washer and 5/16" nut. Repeat for two remaining mounting locations and do not tighten completely.
- 7) Align and center treadle to base. This can be accomplished by setting the pedal assembly on its heel end (to push treadle as far toward the toe end as possible) and visually centering the treadle (so it is not cocked right or left). This is important so the shutter is located properly between the optics.
- 8) Tighten the four 5/16" nuts thoroughly.
- 9) Completely tighten down treadle brackets. To accomplish this, place the 3/8" wrench on the nut located on the inside of the treadle/bracket assembly. Tighten thoroughly and repeat for other side.
- 10) Replace circuit board, four 1/4" nuts, two black plastic rings & two chrome jack nuts.
- 11) Insert battery snap through the slit in battery foam.
- 12) Perform sound test to verify wah setting.
- 13) Replace bottom cover and bottom cover screws.