

Installation Instructions

Spyke Starter Buttons

1. Remove any pipes, lines, or other obstructions that are in the way of the starter solenoid. Remove the stock solenoid cover (or you can leave the starter on the bike).
2. Now would be a good time to inspect the condition of the solenoid plunger and contacts. Make sure they are clean and the contact lugs have not been mis-aligned by over torquing. (If they are dirty, clean contacts with emery cloth and contact cleaner, if the lugs are raised or tweaked, they can be carefully tapped back into place with a large drift or dowel).
3. Assemble the Spyke push button cap. Gently press the seal into the pocket on the outside of the button. (Lip side in first). Slide the button-rod into the cap, threaded end in first. At this time, thread the allen head set screw in, leaving off the nut for now.
4. Next you need to eliminate the light tension on the first solenoid spring. To do this, simply press the button past the soft pressure of first spring until you feel the stiffer resistance on the second spring.
5. Keeping the button in place, remove cap, mark and count the number of threads from inside the cap to the end of the button shaft. (Usually 4 to 6 threads).
6. Next remove the cap button shaft, coat shaft with blue loc-tite and reinstall it in the cap. Now you set the shaft at your pre-counted number of threads and install lock washer and nut in cap. You may now install the starter button assembly on the starter using existing hardware.



Part Number: 400117, 400217, 400227

Description: Starter Button

Fitment: Various

Version: 1 6/07

Note: For safety considerations, we recommend disconnecting the positive lead from the battery terminal while working on your motorcycle.

1. Remove the cover from the solenoid and remove the plunger and spring. **Fig.1**

2. Make sure the positive contact inside the solenoid isn't twisted. It should be parallel to the bottom of the case. If it is, twist it back into position then while holding the positive cable, tighten the nut to secure. If necessary, clean the contacts with parts cleaner. **Fig.2**

3. Insert the gasket into the grooved lip on the inside of the push button cover. **Fig.3**

4. Insert the push button into the top of the cover; screw the allen set screw into it from the inside. The set screw adjusts the proper distance for button to engage the starter. **Fig.4**

5. Replace the plunger and spring into the original position. In order to make proper contact, the push button needs to be adjusted to take up the light spring pressure in the plunger. To feel this pressure, push on the plunger. You'll feel a light pressure for a short distance, and then you'll feel a much heavier pressure until the plunger makes contact.

Adjust the allen set screw on the button inwards to take up the lighter spring pressure. Hold the push button assembly in place and test the pressure. Adjust until all of the light pressure is gone (usually about 3 threads exposed).

4. Note the position of the set screw lock nut. Remove the allen set screw from the assembly, and the set screw lock nut. Apply red thread lock to all of the threads and replace set screw lock nut in the right position on the set screw and replace it into the button. Make sure the set screw and lock nut are tight to maintain the right distance in the push button. **Fig.5**

5. Install the button and secure it with the original screws with a spot of red thread lock. Retest the resistance to make sure there isn't any light pressure. Reconnect the battery and fire it up!

