



## Kit Q161 SwitchBlade Windshield Mount Kit for installation with SwitchBlade Windshields: 2-UP®, Chopped™, Shorty® or Deflector™

**Quantum**

National Cycle, Inc. proudly manufactures  
your SwitchBlade® Windshield from  
Quantum™ coated polycarbonate.

Thank you for purchasing a National Cycle Product.

**Dealers:** If installing the mount kit for a customer please give them this manual. It contains information needed to properly maintain and use this product.

The Switchblade™ Mount Kit will allow you to mount any of the four styles of SwitchBlade windshields to the motorcycle this kit is installed on. Contact your dealer or National Cycle for complete information for all four SwitchBlade Windshields: 2-Up™, Chopped™, Shorty™, and Deflector™. SwitchBlade Windshields are covered by one or more of the following patents: 5732965, 6254166B1, 6974175B2.

### Attention



Special notes and cautionary measures which can prevent damage to the accessory or motorcycle.

### Note



Tips for facilitation of operation, control and adjustment, as well as maintenance work.

## Parts List

INDEX	PART NO.	DESCRIPTION	QTY.
1	37-379105-000	Mounting Cup, Chrome	2
2	34-340501-000	Nut, Upper, HD,SB, Polished	2
3	34-340502-000	Nut, Lower, HD,SB, Polished	2
4	34-340510-000	Spool, Upper, HD,SB	2
5	34-340512-000	Spool, Lower, HD,SB	2
6	44-441901-000	Cushion (Inserted in Upper Spool)	2
7	49-490414-000	Washer, Brass	2
8	37-370186-000	Clamp Strap	4
9	37-370161-TL0	Spider, w/ Thread Locker	2

## Preparation



**Proper tightening of this assembly is critical. Use a Torque Wrench!**

Follow this procedure! Correct assembly of this kit will provide years of reliable service.

Position the motorcycle securely on its stand or a work stand.  
Cover the front fender and fuel tank with a suitable cloth to avoid scratches from dropped tools.

### INSTALLATION

**1.** Check that the Cushion (6) is preassembled into the Upper Spool as shown in **figure 2**.



- 1, Hex Key Wrench, 5/32"
- 1, Torque Wrench that accurately measures 75 inch pounds. (6.25 ft-lbs) (8.6 Nm)

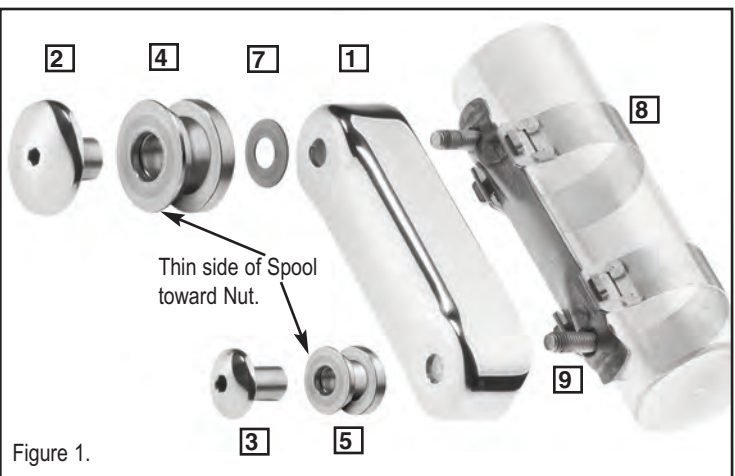


Figure 1.

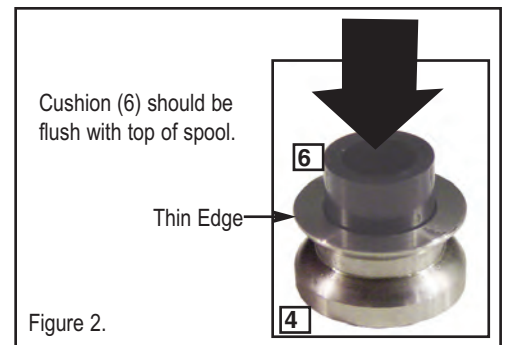


Figure 2.

## INSTALLATION

### ATTACH THE SPIDER TO THE FORK

1. Using two hands carefully place two Clamp Straps (8) on the fork tube. Use caution not to scratch the fork.
2. Refer to **Note below figure 3** and Hook the Spider (9) to the lower Clamp Strap. **Figure 3.**
3. Install the upper Clamp Strap.
4. Position the Mounting Cup (1) onto the Spider Bracket so the studs protrude from the holes in the Mounting Cup. **Figure 1, Page 1.**
5. Place a Brass Washer (7) onto the top stud. **Figure 1.**
6. Push the large Upper Nut (2) into the large Upper Spool (4) so the **thin side** of the spool is near the head of the Upper Nut. **Figure 1.**
7. Start the Upper Nut/Spool onto the upper stud. (**5/32" Hex Key**)
8. Assemble the Lower Spool (5) and Lower Nut (3) so the **thin side** of the Spool is near the head of the Lower Nut.
9. Start the Lower Nut/Spool onto the lower stud. (**5/32" Hex Key**)
10. Repeat steps 1 through 9 on the other fork.

### ALIGN SWITCHBLADE MOUNT ASSEMBLY

11. Adjust top edge of Mount Cup to be about 3/4" (20mm) from the upper triple clamp. **See Figure 4.**



Depending on the motorcycle this measurement may vary. Adjust windshield so shield clears the headlight when you remove windshield.

12. Adjust both Mounting Cups front to rear so they are in line across the forks.



**Misalignment can cause damage to fuel tank and will cause the system to not work properly. Check alignment carefully. Turn the fork carefully to the stops. Make sure the gap between the Spools and the fuel tank are the same on both sides. .**

13. Tighten the Nuts to 75 INCH POUNDS (8.6 Nm) (6.25 ft-lbs). **Figure 5. (Torque Wrench, 5/32" Hex Wrench.)**



This assembly will not "feel" like tightening a normal nut and bolt. Tightening from 25 in-lbs to 75 in-lbs will take at least one full turn.

14. To install the windshield refer to the booklet packaged with the SwitchBlade windshield. Install the shield. Make sure all components line up.



15. Cycle the shield through the mount and dismount 5 times. Retighten the Nuts to 75 INCH POUNDS (8.6 Nm) (6.25 ft-lbs).



Figure 5.

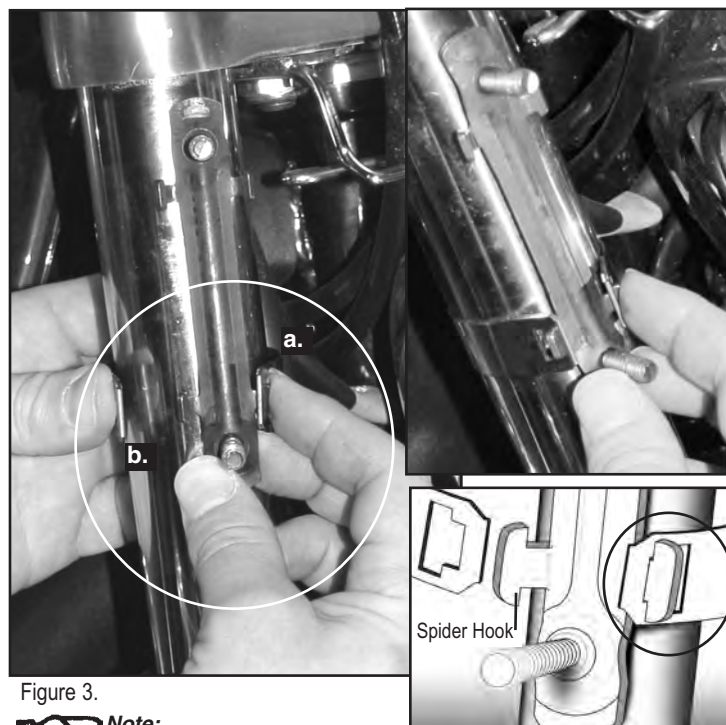


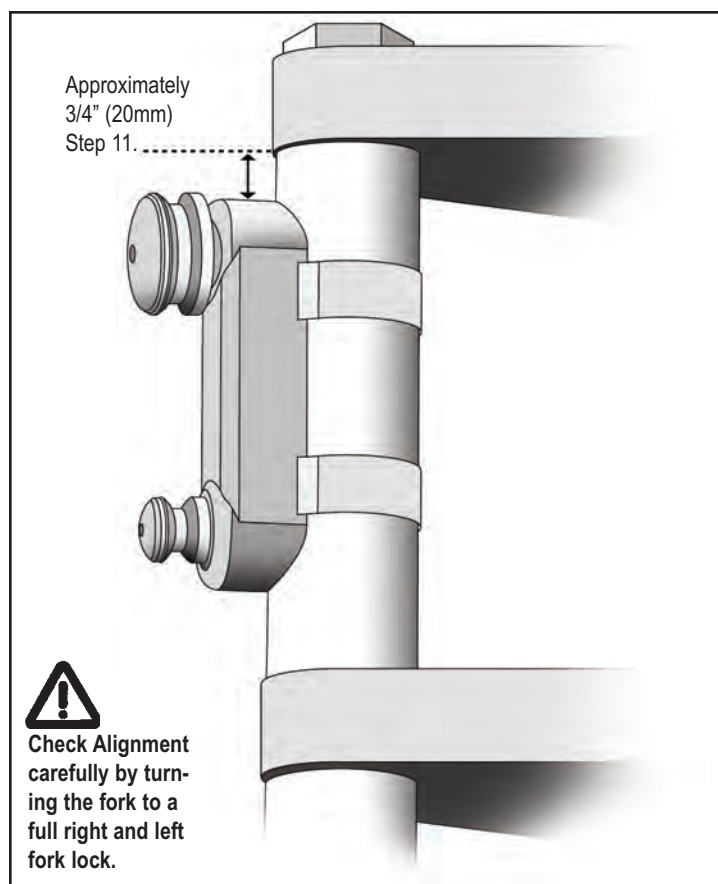
Figure 3.



#### Note:

Engage the inside of the strap to the spider. Be sure the hook of the spider is correctly seated into the slot.

- a. The technique requires you to keep the hook of the spider correctly engaged in the slot. To do this, apply pressure on the inside engaged strap with your index finger while lifting the spider slightly with your middle finger.
- b. Engage strap to hook of spider on outside. Push and stretch with your thumbs, don't let the inside hook/slot become loose.



**Check Alignment carefully by turning the fork to a full right and left fork lock.**

Figure 4.