



Installation and Owner's Manual  
N21610 Stinger™ Windshield for  
Harley-Davidson® XL Models

Thank you for purchasing a National Cycle® product. Please read these instructions carefully and thoroughly before beginning work. Dealers, if installing this windshield for a customer please give them this manual. This instruction sheet contains information needed to properly use and maintain this product.

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.

Parts List				Notes
Item	Part Number	Description	Qty.	One Stinger Windshield Assembly. Mount Kit-Q141 is required to mount the windshield to the motorcycle. Kit sold separately.
1	N21610	Light Tint, Chrome Hardware	1	
2	BAG#1061	Wireform, Clutch Cable	1	Wireform required for cable management.



**PREPARATION**

1. Position the motorcycle securely on its stand.
2. Cover the front fender and fuel tank with a cloth to avoid scratches.

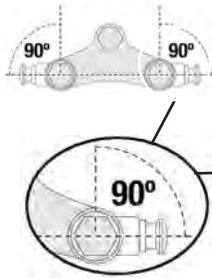
**TOOLS REQUIRED**

1. 7/16" Box Wrench or Socket
2. Torque Wrench
3. Adjustable wrench
4. Hex Key Wrench, 5/32" (Kit-Q141 Installation)

Mount Kit Q141



Figure 1



**INSTALLATION: HARDWARE KIT Q-141**

**Install Kit-Q141 to Fork (Kit Sold Separately)**

1. Follow the Installation procedure for Mount Kit-Q141. Spool assemblies should be perpendicular to shield brackets upon installation.

Installation manuals are also located on line at: [www.nationalcycle.com/techsupport/ispl.html](http://www.nationalcycle.com/techsupport/ispl.html)

ITEM 2



2. Install wire form (Item 2) onto lower left side spool assembly during hardware installation. Wire form tab should be inserted between lower nut and lower spool (Kit-Q141) along left side of fork (riders left). Use an adjustable wrench to hold the tab perpendicular to the fork while tightening the lower spool nut. **Figure 2**

3. Flex the open end of the wireform and insert clutch cable through opening. Move the handlebars from side to side to insure cable moves smoothly through guide (Item-2) **Figure 3**

4. Turn handlebars all the way to the right for windshield installation. This will insure that the clutch cable does not interfere with windshield installation.



Figure 2



Figure 3



Figure 6

**INSTALLATION: WINDSHIELD**

**Windshield Bracket Preset**

1. The windshield brackets are preset at the mid point of the adjustment range. **Figure 4**

2. Before making adjustments to bracket, install shield on the motorcycle. Check clearance and adjustment range.

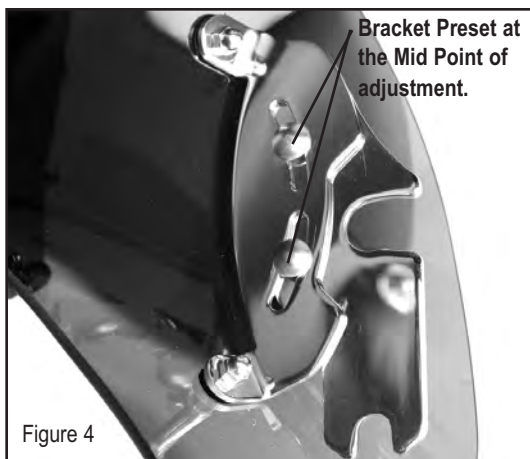


Figure 4

**Install The Windshield**

3. Straddle the front tire while holding your windshield at the area of the upper mount points. Make sure that handlebars are turned to the right. **Figure 5**

4. Place the lower two notches of the windshield brackets onto the two lower spools of the mounting hardware. Slight flexing of the shield may be necessary to accomplish this. **Figure 6**

5. Notch of brackets will settle into the groove in each of the lower spools. **Figure 6**

Pivot the shield toward the bike. The upper notches of the brackets will line up with the center line of the upper spools on the mounting hardware. **Figure 7**

Use the handle bar of the bike to add pressure and push firmly until the upper notches slip over the upper spools. **Figure 5, 8**

**Check that the notches in left and right brackets are fully seated on the upper and lower spools before riding the motorcycle. Figure 8**



Figure 7



Figure 8



Figure 5

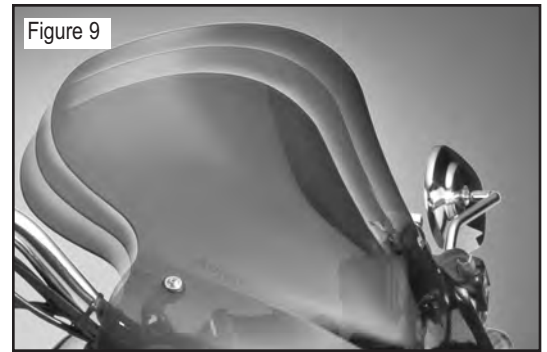
## To Remove Your Windshield

1. Follow the installation steps in reverse order. A firm pull on the upper mount point of the windshield will release the shield from the upper spools (while pivoting on the lower spools), at which point the shield can be lifted from the lower spools.

## Rake Angle Adjustment

2. Check the angle of the shield. Check clearance of windshield to the motorcycles handlebars, and instruments. **Figure 9**

3. Use a 7/16" box wrench to loosen the cap nuts. Adjust the left and right brackets equally. **Tighten Cap Nuts securely (48 in-lbs or 5 Nm) (7/16" Box Wrench) Figure 10**



## MAINTENANCE

Wash with a clean soft cloth, plenty of warm water and, if necessary, a non-abrasive soap such as dishwashing liquid. Flannel or soft chamois make good cleaning cloths. Do not allow brake fluid, alcohol, or strong solvents to contact the screen.

### Shield Wash N1401-01

National Cycle Windshield Wash Part number N1401-01 is recommended for everyday cleaning. Product is supplied with a handy travel size container and rag for easy storage on the motorcycle.

### RainZip® N1410-01

National Cycle offers RainZip rain repellent treatment. RainZip is a hydrophobic treatment that causes water to bead up when it hits the windshield's surface. So at 40 mph the wind rolls the water off. RainZip is formulated at National Cycle for our Quantum Hardcoated polycarbonate windscreens but is safe for all windshields. RainZip comes in a 3-oz. bottle and includes an application cloth and micro fiber polishing cloth. Inquire with your local dealer or visit: [www.nationalcycle.com](http://www.nationalcycle.com)



## ⚠ WARNING

Never ride your motorcycle with loose accessory mounting hardware. Check the hardware for tightness regularly.

Today's motorcycles are built with enough frame rigidity to withstand the moderate loads imposed on them by the foreseeable addition of an accessory(ies). If an accessory(ies) adversely affects your motorcycle's stability, immediately remove the accessory(ies). Do not ride a motorcycle that exhibits unsafe handling traits.

Have experienced service personnel correct any problem before riding with the accessory(ies) installed. For further questions concerning handling problems associated with an accessory(ies), contact your dealer, motorcycle manufacturer, or accessory manufacturer.



### National Cycle 3-Year Limited Warranty

Register your windshield on Line at: [www.nationalcycle.com/register.html](http://www.nationalcycle.com/register.html)

or contact Customer Service at National Cycle, Inc. / PO Box 158 / Maywood, IL 60153 / USA 708/343/0400

National Cycle hereby warrants to the original registered owner of a National Cycle polycarbonate windshield for a period of three years from the date of purchase against breakage. This limited warranty is expressly limited to the replacement of the polycarbonate windscreen. This limited warranty does not include scratches, coating failure, cosmetic wear and tear, replacement of hardware, or any consequential damages or expenses including labor cost of installation, removal and/or replacement, inbound freight expenses or damage to any other component of the motorcycle or any other accessories. Certain chemicals, generally known as acidic hydrocarbons, are known to cause polycarbonate damage and will not be covered under this limited warranty. Please refer to the cleaning instructions supplied with all National Cycle windshields.