

SPECIAL NOTE: Dealers, if installing the DEFLECTOR SCREEN for a customer please give him this manual. It contains the instructional and reference material needed to properly maintain and use this product.

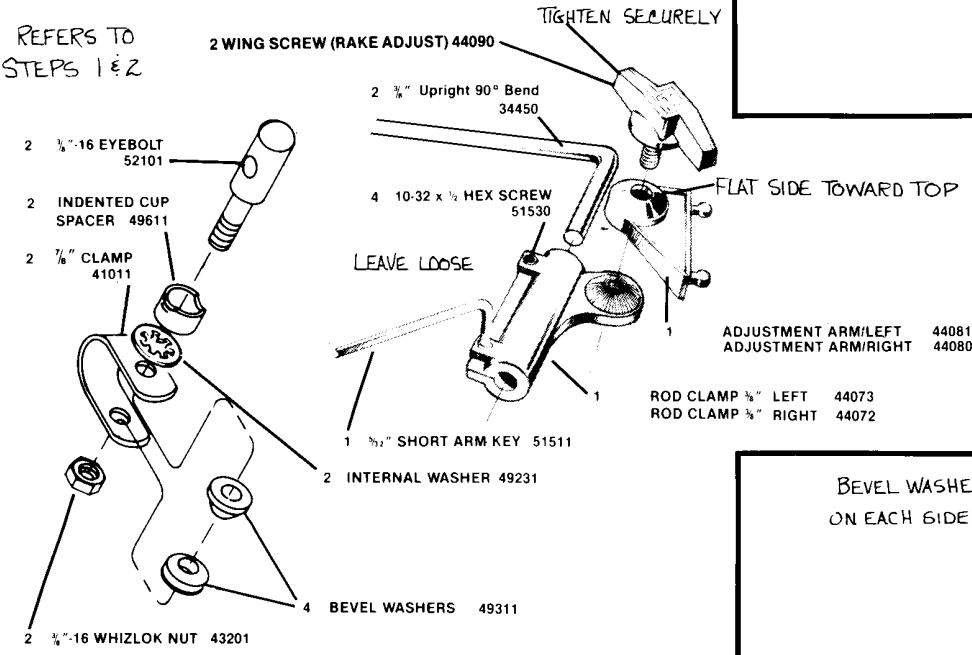
This manual is designed for complete product knowledge. Take the time to become very familiar with your DEFLECTOR SCREEN and its hardware to obtain the best results in use.

IMPORTANT: Please report any missing parts to your dealer or directly to National Cycle. The following information is necessary: **BAG and SERIAL NUMBERS** located on the outside of plastic bag and **PLACE OF PURCHASE**.

1. **Open all hardware bags and check contents against parts list and diagram below.**

2. **RAKE ADJUST ASSEMBLY** When left and right Rake Adjust hardware is properly assembled, the Wing Screws will face to the inside of the Rake Adjust hardware. The Rake Adjust mount will be nearer to the top of the screen. This will allow convenient access for the screen Rake Adjustment feature when installed on the motorcycle. See **PARTS BREAKDOWN DIAG**

To assemble, insert the short end of the Upright into the Pivot end of Rod Clamp. Start the hex screw **but do not tighten**. Attach the Adjustment Arm to Rod Clamp at their Pivots, using the Wing Screw. See parts breakdown diagram for correct alignment. Tighten the Wing Screw securely.

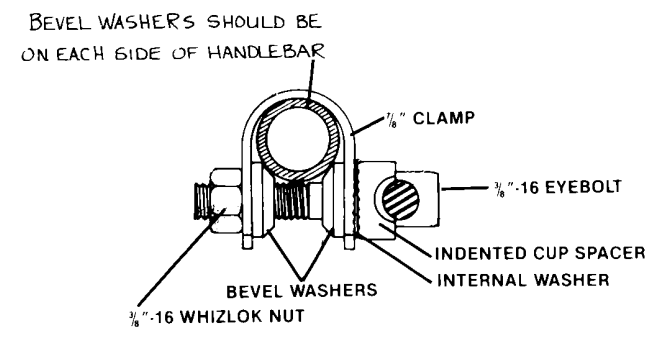
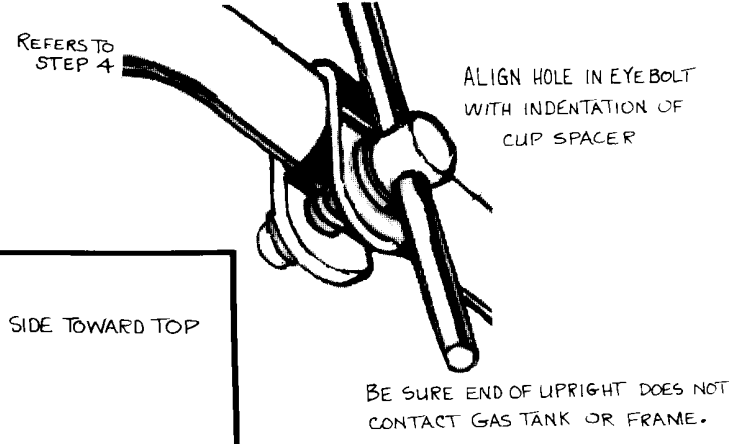


4. ASSEMBLE "U" CLAMP, INSTALL AND ALIGN SCREEN, PROP MOTORCYCLE ON CENTER STAND

Place "U" Clamp around vertical segment of handlebar with open side of "U" Clamp facing generally towards rider. Put indented cup spacer and internal washer on eyebolt. Slip eyebolt through "U" Clamp from the bike's center. At the same time insert two bevel washers onto eyebolt (bevels toward each other), one on each side of handlebar.

Align cup spacer indentations with eyebolt "Eyes". With "U" Clamp placed symmetrically on bars, carefully align screen so it sits slightly above the headlight, not resting on the light. Tighten the Whizlok Nuts. When screen is adjusted, check that the Uprights do not contact frame or gas tank as handlebar is turned full left or right. Alter height as required, or, if necessary, use a hacksaw to cut end of Upright. Re-touch Upright with a rust inhibiting paint.

Determine whether your motorcycle has 7/8" (2.219cm.) or 1" (2.54cm.) handlebars. Measure, and select the correct size of "U" Clamps from bag 135.



5. CHECK ALL SCREWS AND FASTENERS FOR TIGHTNESS

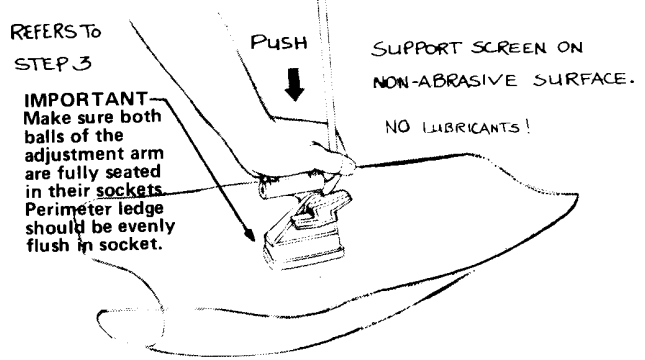
- A. Whizlok Nuts on Eyebolts
- B. Hex screws in Rod clamps
- C. Wing Screws

6. FINAL ADJUSTMENT The rake of your Deflector Screen can be changed by loosening the Wing Screw and Pivoting the screen on the mounts.

To maintain maximum rigidity the screen should be "preloaded" against the headlight shell at some point. With both Wing Screws loose, lift on the left Upright with your left hand, use your thumb to push the screen more vertical by one notch, at the Rake Adjust. This will force the screen gasket into contact with the headlight shell. Tighten the left Wing Screw. Repeat the procedure on the right side to balance the installation.

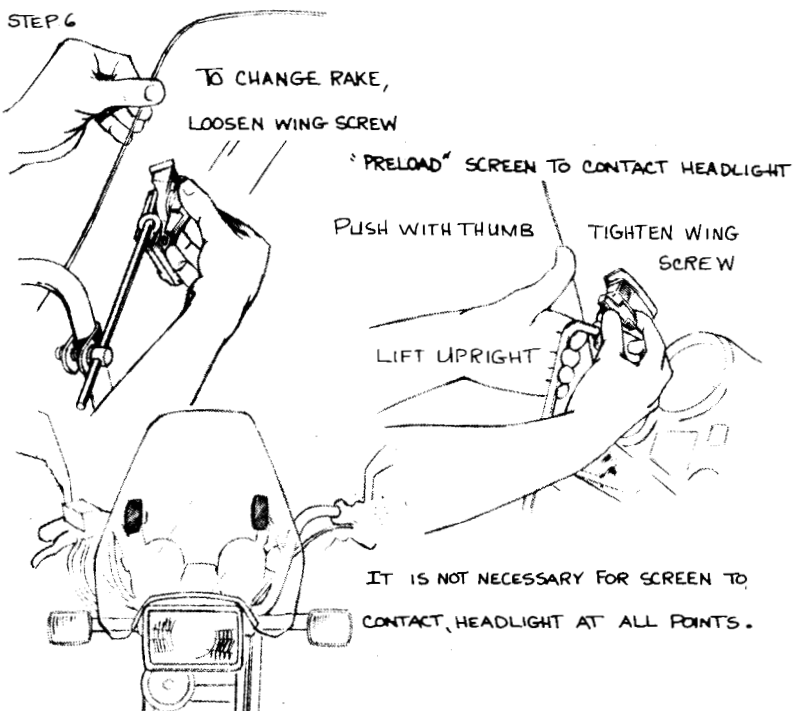
If the rake change is too great during "preloading", re-positioning of the Uprights will re-align the screen to the best angle. This adjustment will "firm" up the installation and make it more flutter free.

3. **INSTALL HARDWARE ONTO SCREEN** (Allow screen and sockets to warm to at least 60-65°F before attempting insertion.) Place screen front down, on scratch-free, well supported surface. Moisten the Ball End Rake Adjust Arm with **water or saliva only, no oils. Important:** Any oils, silicone or greases, etc. will adversely affect the impact release feature. Firmly press the Ball Ends into the sockets until seated. It may be necessary to **slightly warm** the BallSockets™ with a hair dryer to ease assembly. Once assembled, the serrated Pivots should be toward the top of the screen and the Wing Screws both toward the center.



FINAL ADJUSTMENTS

REFERS TO
STEP 6



TO CHANGE RAKE,
LOOSEN WING SCREW

'PRELOAD' SCREEN TO CONTACT HEADLIGHT

PUSH WITH THUMB TIGHTEN WING SCREW

LIFT UPRIGHT

IT IS NOT NECESSARY FOR SCREEN TO
CONTACT HEADLIGHT AT ALL POINTS.

REMOVAL To remove the screen, loosen the Whizlok Nuts on the "U" Clamps and pull the Uprights from the Eyebolts. Retighten the Whizlok Nuts to leave the "U" Clamp assemblies on the handlebars. **The double ball end Rake Adjustment Arm is not to be used as a removability feature and should not be used repeatedly. If you need to remove Uprights from the screen, detach using the Wing Screws.**

MAINTENANCE Pre-rinse screen to remove grit. Use mild liquid soap, warm water and a clean, soft cloth/sponge or wet chamois to wash screen. **Rinse, all residue must be removed.** Wipe with chamois/soft sponge to prevent water spots. Paint, glue residue or grease removal: Moisten cotton with Naptha or Turpentine followed by a wash as above. Cloth moistened with Naptha or Turpentine will remove label residue. **DO NOT USE ALCOHOL SOLUTIONS TO CLEAN SCREEN. Brake fluid or alcohol will permanently damage the screen.**

SCRATCHES (HAIRLINE) AND ABRASIONS can be removed/minimized with a mild auto polish, jewelers rouge or fine grade buffing compound. **Test a sample area first.** Recommended products to polish: Johnson's Paste Wax, McGuiar's Mirror Glaze MGH-17, Simoniz Wax. Flannel or chamois make good buffing cloths.

National Cycle windshields and fairings are designed to provide wind protection and increase riding comfort but not protection in the event of a collision with another vehicle, the road, or any other object.

Our products utilize certain features, patented and otherwise, that may minimize injury in certain accidents, but the possibility of injury exists if the screen is broken.

The acrylic sheet that is used in our Deflector Screen™ is almost 30 times more impact resistant than glass. If it is subject to impact beyond its resistance, it breaks into comparatively large pieces and, normally, does not shatter into small slivers.

Deflector Screen™ is also offered in a polycarbonate version which has a higher impact resistance and may prove safer in some accidents. Contact your local dealer for more information on the Deflector Screen LX™.

All of our products are made in conformance and exceed the requirements of D.O.T. SS205.Z26.1, classifications AS6 and AS7, which covers all safety glazing for motorcycle application.

Never ride your motorcycle with loose windshield 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 a windshield.

If the addition of 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 problems 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.

Sunlight reflected off the inside curvature of the fairing can, at certain times of the day, cause extreme heat buildup on the motorcycle's instruments and possibly even melt them. Exercise care in parking to avoid this. Park facing the sun or place an opaque object over this area.

PART LIST DEFLECTOR SCREEN

All National Cycle parts and accessories can be purchased or ordered through your dealer. If direct order is necessary, send check or money order with order, to the address below. Illinois residents please add 7.75% Cook County sales tax.

PARTS LIST FOR KIT UUE

N2590 AND N2591 DEFLECTOR SCREEN
Kit UUE contains hardware for 7/8" (2.219cm.) and 1" (2.54cm.) handlebars.

Complete kit cost \$37.80

QTY.	Part No.	Description
Bag No. 135 Complete bag cost \$12.60		
2	37-410110	7/8" "U"Clamp
2	37-410210	1" "U" Clamp
2	52-521010	Eyebolt
2	42-432010	Whizlok Nut 3/8-16
4	49-493110	Washer Bevel
2	49-492310	Washer Internal Lock
2	49-496110	Cup Spacer
Bag No. 56 Complete bag cost \$19.00		
1	44-440810	Adjustment Arm, Left
1	44-440800	Adjustment Arm, Right
1	44-440730	Rod Clamp 3/8" Left
1	44-440720	Rod Clamp 3/8" Right
4	51-515300	10-32 x 1/2" Hex Screw
2	44-440900	Wing Knob
1	59-515110	5/32" Arm Key
<u>Loose in Kit</u>		
2	34-344500	Upright 3/8" 90 bend

OPTIONAL BAGS 47 and 62

Needed For Motorcycles With Non-tubular Bars

Bag No. 47 Complete bag cost \$22.50		
2	41-410500	Flat Under Plate
2	37-370300	Right Angle Bracket
1	37-410400	Square Bar Clamp, Left
1	37-410300	Square Bar Clamp, Right
2	50-505710	Hex Bolt 5/16-18
2	49-492210	Internal Washer 5/16"
4	42-430010	Whizlok Nut 1/4-20
Bag No. 62 Complete bag cost \$7.50		
2	52-521110	Eyebolt, Short 3/8" hole

BUY FROM YOUR LOCAL DEALER, HE'S THERE TO SERVE YOU.

Plexifairing 3, Plexistar 2,
Airhawk, Mirage,
Deflector Screen,
Street Shield,
and other National Cycle
Wind Protection
products are covered
by one or more of
the following patent numbers;
4489973, 4379584,
4082345, 4168098