

Thank you for purchasing a National Cycle product. Read these instructions carefully and thoroughly before beginning work. Dealers, if installing this windshield for a customer, please give them this manual upon completion. It contains information needed to properly maintain and use this product.

Description:	Quantum® Hardcoated Polycarbonate; 6mm UTV Windshield; Full Size	Model:	BRP® Commander
Part Number:	N30403	Installation Time:	30 min.

N30403 PARTS LIST

ITEM	PART NO.	DESCRIPTION	QUANTITY
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A	20-290408-000	Windshield, Upper Section, 6.0mm	1
B	20-290455-000	Windshield, Lower Section, 6.0mm	1

The following parts are pre-installed on the windshield sections:

44-447159-000	Grommets for Windshield	7
44-448681-000	Seal, Rubber	1
77-771157-000	Marine Grade Velcro, Hook	2
77-771158-000	Marine Grade Velcro, Loop	2
44-448520-000	Trim, Flap, Side, 6mm, Foam	1
44-447004-000	Foam Tape, 1/8" x 1"	1
44-448860-000	Plug, Hole, 3/8", Nylon, Black	1
44-448861-000	Plug, Hole, 7/16", Nylon, Black	1
44-448864-000	Plug, Hole, 1/2", Nylon, Black	1
44-448862-000	Plug, Hole, 11/16", Nylon, Black	1

BAG#1139

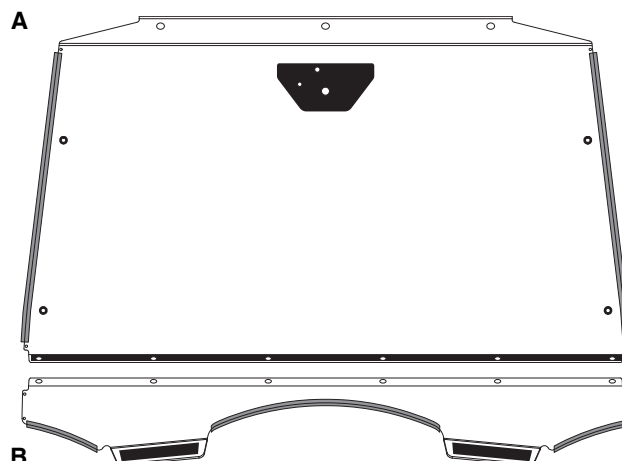
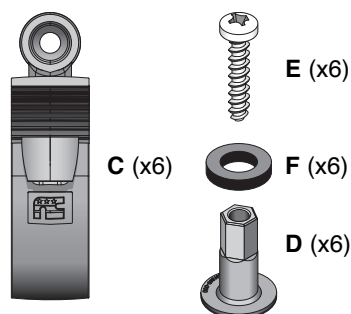
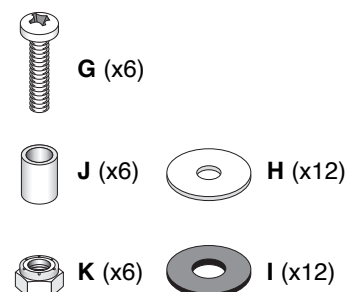
C	44-449372-000	Clamp, Wraparound, Black	6
D	44-449380-000	Pin, Grommet Retaining,	6
E	55-563131-000	Screw, Panhead, Phillips, 12 x 1.25"	6
F	49-490355-000	Washer, Spacing, Flat, Black	6

BAG#1144

G	55-563145-000	Screw, Panhead, Phillips, 1/4-20 x 1.25"	6
H	49-490491-000	Washer, Flat, .265 x .875", Zinc, Black	12
I	75-762021-000	Washer, Rubber, 7/8" OD x 3/8 ID x 1/16"	12
J	34-346056-000	Spacer, .375" x .277" x .69", Stainless	6
K	42-423242-000	Nut, Nylon Insert, 1/4"-20	6

TOOLS REQUIRED FOR ASSEMBLY

Flat Blade Screwdriver
#2 or #3 Phillips Screwdriver
7/16" Wrench


BAG#1203

BAG#1144


ATTENTION: Special notes and cautionary measures which can prevent damage to the accessory or vehicle.



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

PREPARATION

Carefully unpack your new windshield, sort the parts, and make sure you have everything required to complete the assembly.

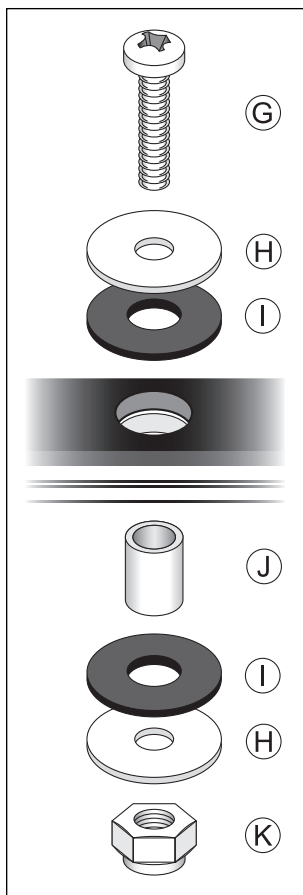


Illustration A

WINDSHIELD INSTALLATION; STEP 1: ATTACH UPPER AND LOWER SHIELDS TOGETHER

Illustration A

Assemble six hardware sets from BAG#1144 using the Panhead Machine Screws (G), Flat Zinc Washers (H), Rubber Washers (I), Windshield Spacers (J) and Nylock Nuts (K).

Insert the assembled components into each of the mounting holes where the lower edge of the Windshield's Upper Section meets the top edge of the Windshield's Lower Section. Make sure the Windshield Spacers do not come loose and fall out during assembly.

Figure 1

Align the lower edge of the Windshield's Upper Section to the top edge of the Windshield's Lower Section.

Into each of the six mated holes, insert a Panhead Screw (G), Flat Zinc Washer (H) and a Rubber Washer (I) as shown in Illustration A.

From the bottom of the two edges, assemble a Windshield Spacer (J), Rubber Washer (I), Flat Zinc Washer (H), and a Nylok Nut (K).



The Spacers (J) should fit through the Rubber Washers (I) and up against the Flat Zinc Washers (H).

Tighten the Nuts finger-tight for now.

Make certain the Upper and Lower Windshields are flush with each other and the side edges are in line.

Then tighten the six Screws (G) and NylockNuts (K) securely.



Figure 1

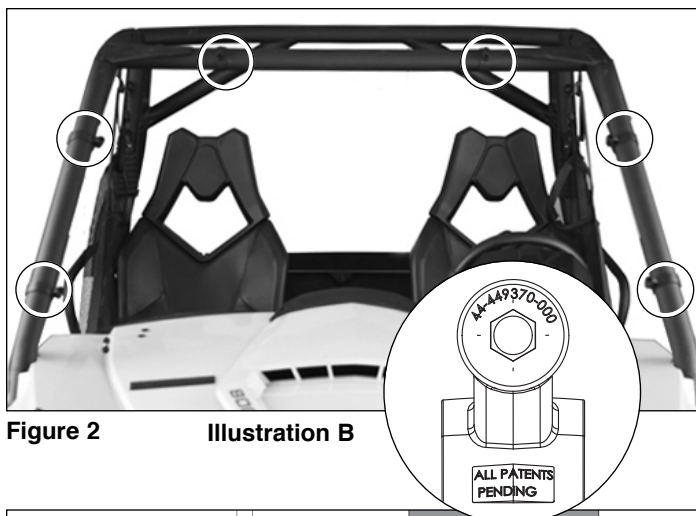


Figure 2 **Illustration B**

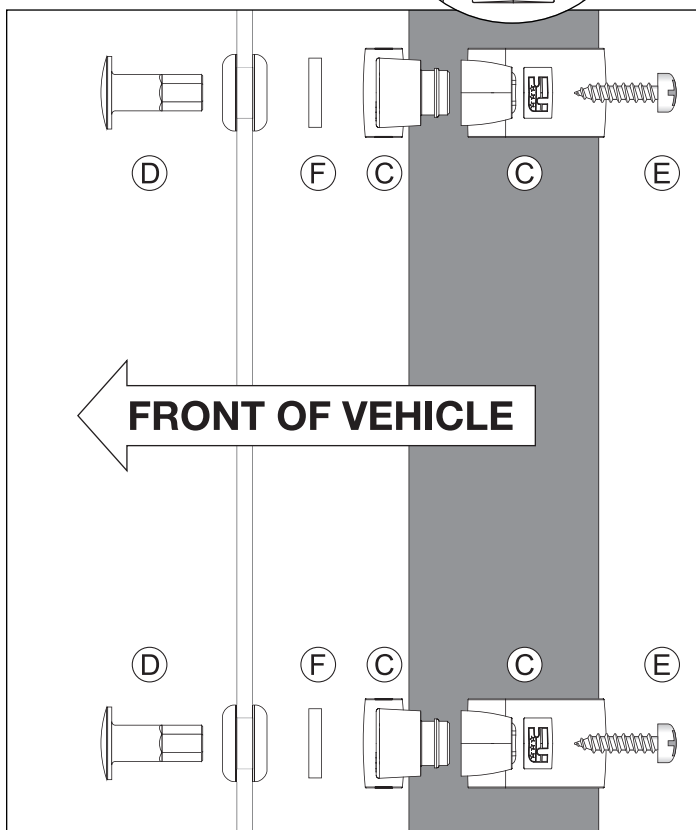


Illustration C



Figure 3

WINDSHIELD INSTALLATION; STEP 2: ATTACH WINDSHIELD TO VEHICLE

Figure 2, Illustration B

Before placing windshield onto vehicle, snap two Wraparound Clamps (C) on the top frame of the vehicle. Orient the top clamps so that the mating sections are facing up with the male half (embossed part number as shown in Illustration B) toward the front of the vehicle.



Read these helpful tips for a smooth installation:

Place fasteners within reach of assembly.

Note the hex shape of Grommet Retainer Pins (D), and male half of Wraparound Clamps (C).

Place Spacing Washers (F) between pre-installed Windshield Grommets and Wraparound Clamps (C).

Start Panhead Machine Screws (E) during assembly, but do not tighten.

The tabbed section of the Windshield should be touching the hood of the vehicle.

Illustration C

Place Windshield onto vehicle hood. Using two each of Panhead Machine Screws (E), Spacing Washers (F), and Grommet Retainer Pins (D), install Windshield to the two top Wraparound Clamps (C), but do not fully tighten. (*Phillips Screwdriver*)

Snap the remaining four Wraparound Clamps (C) onto the frame of the vehicle. Orient the clamps so that the male half (with embossed part number) is toward the front of the vehicle.

Install Panhead Machine Screws (E), Spacing Washers (F) and Grommet Retainer Pins (D) to these four Wraparound Clamps, but do not fully tighten. (*Phillips Screwdriver*)

Check the alignment and position of the Windshield and make sure it is even and symmetrical.

Figure 3

Remove the adhesive backing from the Velcro Loop material pre-installed onto the bottom edge of the Windshield Lower Section (B).

Now press the Windshield tab firmly onto the hood of the vehicle, making sure the adhesive makes good contact.

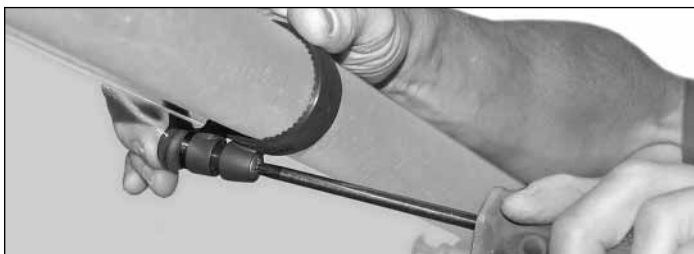


Figure 4

WINDSHIELD INSTALLATION; STEP 3: FINAL TIGHTENING

Figure 4

Securely tighten the seven Panhead Machine Screws (E) in all seven Wraparound Clamps (C). (*Phillips Screwdriver*)

Your new Quantum® Hardcoated Polycarbonate Windshield is now fully assembled.

Test ride for function and performance, and enjoy your new National Cycle UTV Windshield!



Ask for Shield Wash™ and RainZip® at your local dealer or visit www.nationalcycle.com.

CLEANING AND MAINTENANCE

To clean your windshield, wash with a clean soft cloth and plenty of warm water and, if necessary, a non-abrasive soap such as dishwashing liquid. Flannel or soft chambrais make good cleaning cloths. **Paint, glue residue or grease removal:** Moisten cotton wad with naphtha or turpentine followed by a wash as above.

National Cycle **Shield Wash™** (N1401-01) makes a good daily cleaner and comes with a handy travel-size bottle. Shield Wash is safe for all windshields and helmet visors.

Do not clean polycarbonate in hot sun or high temperatures. Do not clean the screen with household glass cleaners.

Do not allow brake fluid, alcohol, or strong solvents to contact the windshield.

RAIN REPELLENT

Do not use rain protective products made for glass. We recommend National Cycle's **RainZip®** (N1410-01) to keep your windshield clear in rainy weather.



National Cycle 3-Year Limited Warranty

Register Your Windshield Online at www.nationalcycle.com

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, inconvenience, inbound freight expenses or damage to any other component of the vehicle 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. **Visit www.nationalcycle.com for further details or call or write National Cycle Inc.**

⚠ WARNING

Never operate your vehicle with loose accessory mounting hardware. Check the hardware for tightness regularly.

UTVs 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 vehicle's stability, immediately remove the accessory(ies). Do not operate a vehicle that exhibits unsafe handling traits.

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

Caution: Do not clean polycarbonate in hot sun or high temperatures. Do not clean the screen with glass cleaners. Certain chemicals, generally known as acidic hydrocarbons, are known to cause polycarbonate damage. Do not allow brake fluid, alcohol, or strong solvents to contact the screen.

Caution: Do not use rain protective products made for glass. We recommend National Cycle's rainZip® (N1410-01) to help shed water in rainy weather.

Caution: Always face windshield forward (in direction of travel) while carrying on truck or trailer.