



**INSTALLATION INSTRUCTIONS  
AND OWNERS MANUAL**  
VStream® Windscreens and Deflectors for  
Harley-Davidson® Pan America Models



VStream® Windscreen  
Patent No. 7,387,328.  
Quantum® is a registered  
trademark of National Cycle Inc.

MADE in U.S.A.

N20412 VStream, Low, Beaded Edge  
N20413 VStream, Mid, Beaded Edge  
N20414 VStream, Low  
N20415 VStream, Mid

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: | VStream® Replacement Windscreen and Side Deflectors | Model:             | 2021-Later Harley-Davidson® Pan America |
| Part Number: | N20412/N20413/N20414/N20415                         | Installation Time: | 20 min. Difficulty Level: Easy          |

**PARTS LIST**

| ITEM            | PART NO.      | DESCRIPTION                             | QUANTITY |
|-----------------|---------------|---|----------|
| A               |               | VStream Windscreen; 2.0mm Polycarbonate | 1        |
| B               | 20-290936-000 | Deflector; Left, 1.5mm Polycarbonate    | 1        |
| C               | 20-290937-000 | Deflector; Right, 1.5mm Polycarbonate   | 1        |
| <b>BAG#1387</b> |               |   |          |
| D               | 49-490355-000 | Spacer, Nylon, Black                    | 2        |
| E               | 49-495587-000 | Spacer, Stainless Steel                 | 2        |
| F               | 51-516216-000 | Cap Screw, M5x16, Zinc, Black           | 4        |
| G               | 75-766188-000 | Pad, Rubber Bumper Pair, 0.50" x 0.14"  | 1        |
| H               | 77-770200-000 | Alcohol Prep Wipe                       | 1        |

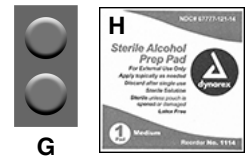
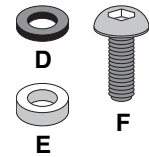
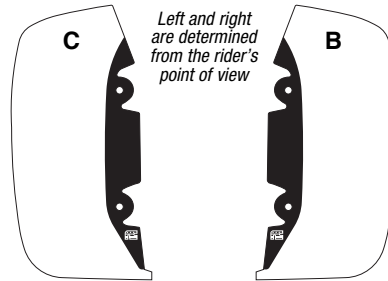


Figure 1



**TOOLS REQUIRED**

- T-25 Torx Wrench
- 3mm Allen Wrench

**PREPARATION**

Put the motorcycle securely on its centerstand before beginning.

**INSTALLATION**

Figure 1

Use a T-25 Torx Wrench to remove the four screws securing the OEM windscreen to the motorcycle, and then remove the windscreen.

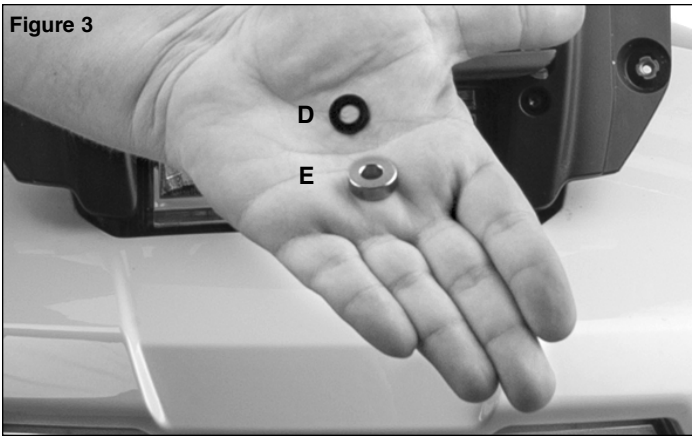
Figure 2



Figure 2

Use the same T-25 Torx Wrench to remove the four screws securing the OEM deflectors to the motorcycle, and then remove the deflectors.

Figure 3



**INSTALLATION; CONT'D.**

**Figure 3**

Now you are ready to install the new polycarbonate Deflectors (C, B). You will need to include the stand-off Spacers (D, E).

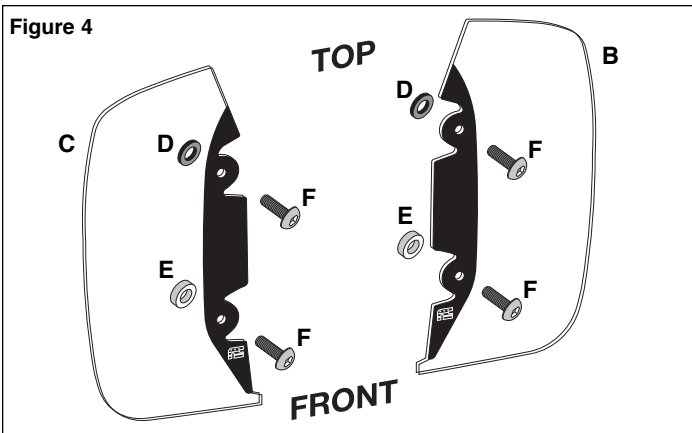
**Figure 4**

Insert the supplied M5x16 Cap Screws (F) through the front of the new Deflectors (C, B). On the back, add the thin Black Nylon Spacers (D) behind the top two mount holes, and the thick Stainless Steel Spacers (E) behind the bottom two mount holes.

Use a 3mm Allen Wrench to tighten the left and right M5x16 Cap Screws securing the new Deflectors to the motorcycle.

**NOTE:** Do not over-torque Cap Screws.

Figure 4



**Figure 5**

Open the Alcohol Prep Wipe (H) and clean the area shown on the bike's windshield mount brackets.

**Figure 6**

Peel the adhesive Rubber Bumpers (G) and place one on each side on the bike's windshield mount brackets, just beneath the two vertical slits. Press and hold them for 15-20 seconds to ensure complete adhesion.

**Figure 7**

Rubber Bumpers should appear as shown.

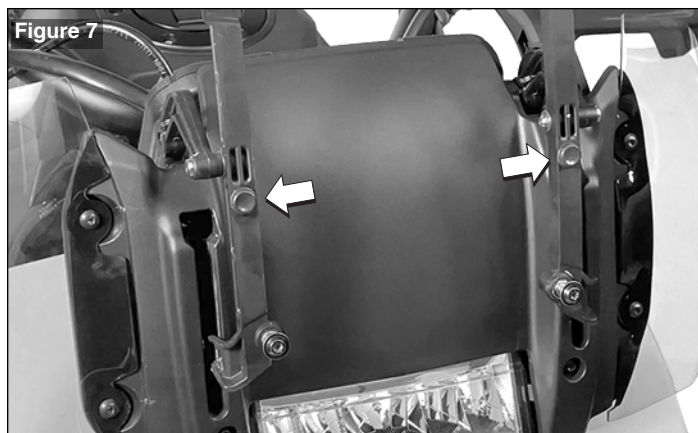
Figure 5



Figure 6



Figure 7



**Figure 8**



**INSTALLATION; CONT'D.**

**Figure 8**

Place your new VStream Windscreen on the motorcycle. It will insert into the lower windscreen mount tray the same as the OEM windscreen.

Using the OEM screws, attach the VStream Windscreen to the motorcycle's mount points, and tighten with a T-25 Torx Wrench.

**Figure 9**

Your installation is now complete. Double-check all fasteners for tightness before operating your motorcycle.

**Ride safe and enjoy your new VStream® Windscreen and Deflectors!**

**Figure 9**





## CLEANING AND MAINTENANCE

To clean the screen, 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 chamois 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 screen.

## RAIN REPELLENT

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



Register Your Windshield Online at [www.nationalcycle.com](http://www.nationalcycle.com)

### National Cycle 3-Year Limited Warranty

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 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.

Visit [www.nationalcycle.com](http://www.nationalcycle.com) for further details, or call 708-343-0400 or e-mail [info@nationalcycle.com](mailto:info@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.

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