

Read these instructions carefully and thoroughly before beginning work. Dealers installing this windshield for a customer please give them this manual. It contains information needed to properly maintain and use this product.



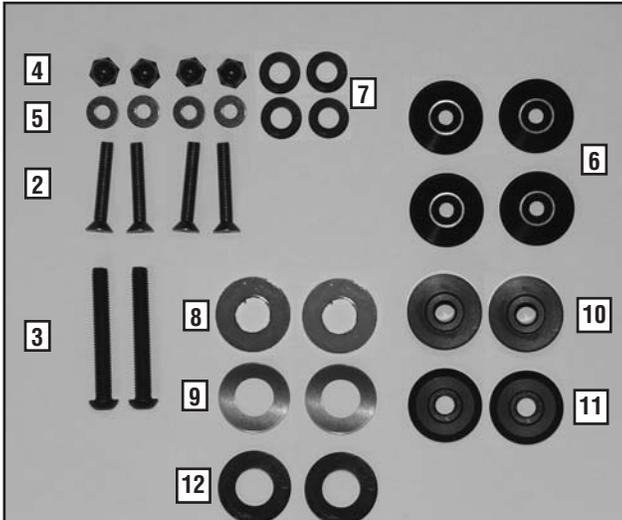
Attention:

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.



BAG #661



Figure 1

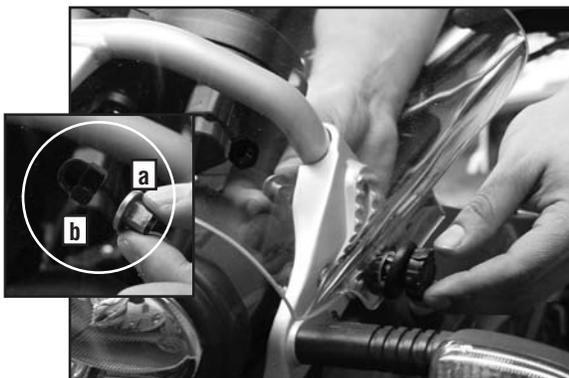


Figure 2

Tools: 3mm Hex Key 5mm Hex Key
10mm Wrench 3/8" Wrench

| Item | Description | Qty. |
|-----------------|---|------|
| Z2243 | | |
| 1 | Windshield | 1 |
| BAG #661 | | |
| 2 | 51-514511-000 Screw, Flat 10-32 x 3/4" | 4 |
| 3 | 51-518245-000 Screw, Button M6-1.0 x 45 | 2 |
| 4 | 42-480201-000 Nut 10-32 Acorn | 4 |
| 5 | 49-490530-000 Washer #10 Black | 4 |
| 6 | 49-495413-000 Cap, Screw Head for Upper Arm | 4 |
| 7 | 75-762018-000 Washer, with PS Adhesive | 4 |
| 8 | 49-490212-000 Washer, Nylon Black | 2 |
| 9 | 80-871015-000 Washer, Spring Wave | 2 |
| 10 | 34-340352-000 Lower Standoff | 2 |
| 11 | 49-495416-000 Cap, Screw Head for Lower Arm | 2 |
| 12 | 49-490561-000 Washer, Flat Black Steel | 2 |

BAG #679 LEFT ARM ASSEMBLY

BAG #680 RIGHT ARM ASSEMBLY

PREPARATION

 At the front attachment point, some R 1200 GS models have front bushings isolating the hole of the stock windshield. If you have these bushings, they will *not* be re-used in the installation of your new ZTechnik Windshield.

 The ZTechnik windshield will be installed using the stock top hat (a) and acorn nut (b) from the inside of the windshield. All other stock parts from the side will not be re-used. Store these parts in a safe place.

 When removing the stock top hat (a) and acorn nut (b) located inside the side bracket take care that these items do not fall to the inside of the motorcycle.

1. Remove the stock windshield. **Figure 1 and 2.**

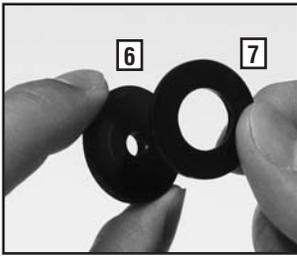


Figure 4.

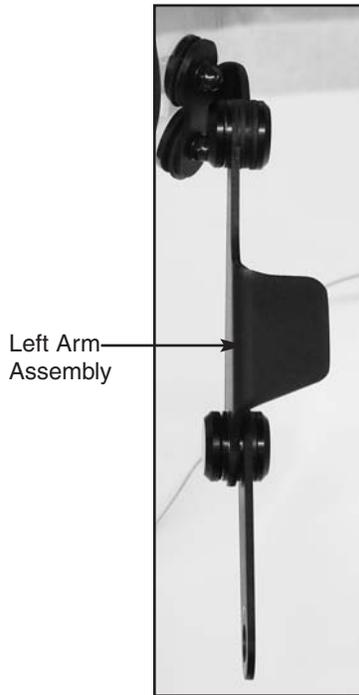


Figure 3.

INSTALLATION

Assemble the Left and Right Articulating Arms to the Windshield.

1. Identify the Left Arm Assembly. Apply two Washers with PS adhesive (7) to the Cap Screw Head (6). **Figure 3 and 4.**
2. Insert a Flat Screw (2) through the Cap Head (6) **Figure 5.**
3. Install the left arm to windshield using the Screw Assembly, #10 Washers (5) and Acorn Nuts (4). Finger Tighten. **Figure 5, 6 and 7.**
4. Repeat for Right Arm.
5. Tighten Firmly. **(3mm Hex Key and 3/8" Wrench) Figure 8.**

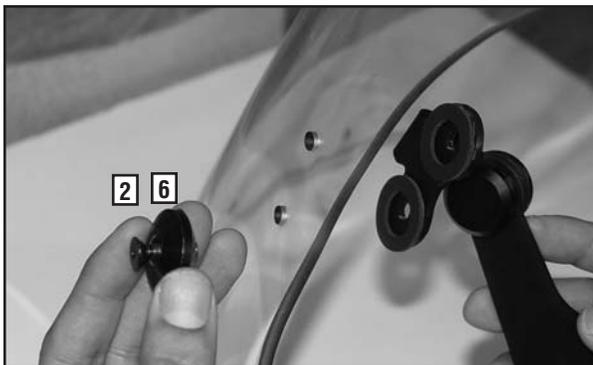


Figure 5.



Figure 6.

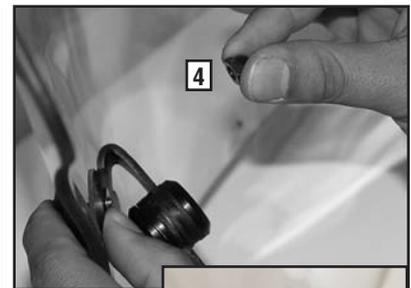


Figure 7.



Figure 8.

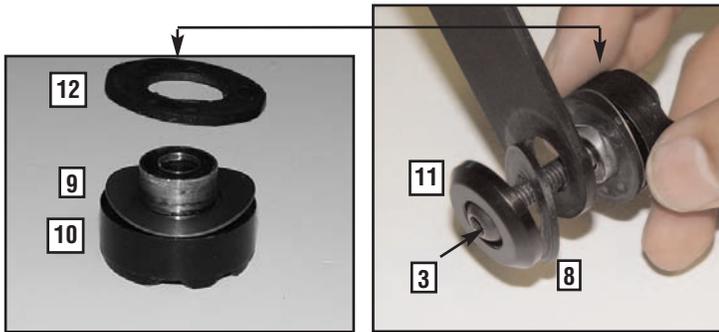


Figure 9

Figure 10

Lower Standoff Assembly

6. On the Lower Standoff place a Spring Wave Washer (9) (washer curves upward) and a Flat Washer (12).

Figure 9.

7. Install this assembly to the left arm using the M6 Screw (3) Cap Screw Head (11) and Nylon Washer (8).

Figure 10.

8. Repeat for right side.

Installing Windshield to Motorcycle

9. Place windshield on motorcycle. Lower Standoff assembly goes to outside of bracket. Secure with stock Top Hat and Acorn Nut. **Figure 11.**

10. Tighten screws firmly (5mm Hex Key and 10mm Wrench.) **Figure 12.**

11. Install windshield to stock hardware at front (3mm Hex Key.) **Figure 13.**

 The Acorn Nut is designed to “bottom-out” when tightened. It prevents the Top Hat Assembly from being removed when adjusting the windshield rake angle.

12. Check that all hardware is tight. There will be a slight gap between the Top Hat and the Acorn Nut at the sides.



Figure 11

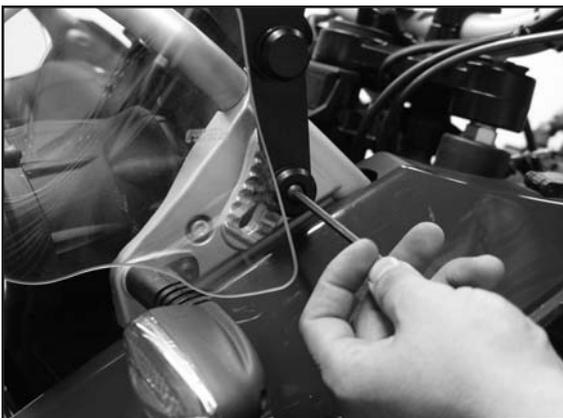
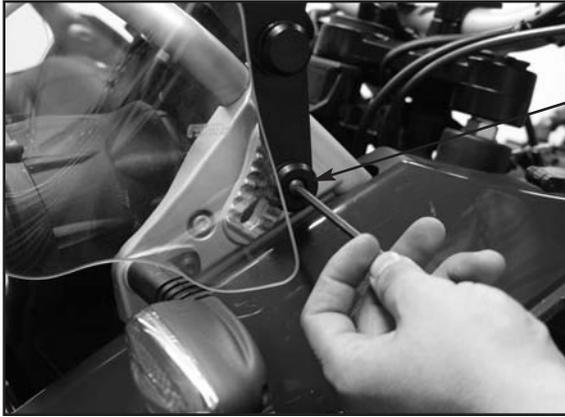


Figure 12



Figure 13



ADJUSTMENT

Set the articulating arm at the stock BMW rake adjustment feature at the height you want (for the first time, we suggest starting at the center position) and then use the tab on the articulating arms to adjust to your actual riding conditions. (5mm Hex Key)



Stop Motorcycle. Use both hands and push the tabs on the articulating arms forward and your windshield will take a full upright position. Pull back on tabs to lower screen.



MATERIAL

The Z2243 ZTechnik Windshield is made from 4.5mm hardcoated Lexan FMR polycarbonate. It resists everyday scuffs and wears 100x better than the stock windshield. And as well, it is optically transparent.

MAINTENANCE

To clean the screen, 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. **Paint, glue residue or grease removal:** Moisten cotton with Naphtha or Turpentine followed by a wash as above.

Do not clean polycarbonate in hot sun or high temperatures. Do not clean the screen with glass cleaners. Do not use rain protective products on the screen other than National Cycle brand.* Do not allow brake fluid, alcohol, or strong solvents to contact the screen.

*Available Sept. 05



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Page 4 of 4

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