

BWS Windshield Washing Stairs Operations & Parts Manual

Maintenance Schedule



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- Overview •



The BWS Windshield Washing Stair is designed to accommodate Ground crew access to the windshield of the aircraft for routine washing. The BWS Stair is lightweight and easily maneuvered and deployed by one individual in less than 1 minute. The BWS Stair is designed to allow servicing of the CRJ-200/700/900 from the lower platform as well as the ERJ-170/175/190 from the upper platform. With functionality and safety in mind, the BWS Windshield Stair is both safe and seamless.

• Operations •

•Deployment•

Push the brake arm forward towards the platform of the stairs until it stops. This will allow the Bug Stairs Stair to be on all four wheels.



Push the Bug Stair up to the aircraft, and position it next to the windshield. Be aware of pitot tubes and maintain proper clearance.



When in position pull the brake arm until the stairs are resting on the stabilizer feet (brakes), this will allow for the stairs to remain in position while working from them.

Image showing the stabilizer feet deployed.



• Warnings and Restrictions •



1. Only trained and authorized personnel should deploy the BWS Stair for ground crew use.
2. Under no circumstances should the BWS Stair be positioned with any person on it.
3. The BWS Stair should be inspected before each use to assure a clean and unobstructed Pathway
4. The Stabilizer feet must always be deployed prior to ground crew use.
5. Water, ice, snow or any other natural or foreign substance should not be allowed to accumulate on the BWS Stair.
6. It is the responsibility of the operating staff to ensure that the aircraft is not damaged when using the BWS Stair.
7. The BWS Stair is to be maneuvered from the end with the castor wheels; this end will be furthest from the aircraft when in place.

•Preventative Maintenance Checklist •

The following is a general maintenance checklist which covers the major components of your BWS Windshield Washing Stairs. It is recommended that the following be checked regularly as scheduled to ensure proper function, and the longevity, and safety of your Q-Step Boarding System.

COMPONENT	SUGGESTED ACTION	SCHEDULE		
		Monthly	Quarterly	Bi-Annually
WHEELS	Grease wheels			
STRUCTURAL	General Check: Loose bolts, etc. tightened. Cracks, broken areas.			
HANDRAILS	General Check: cracks			

• How to Order Replacement Parts •

Please have model number and serial number available when ordering replacement parts

When ordering replacement parts:

- Contact the KCI parts dept. at (541) 830-4877 or email msankey@kci.nu
- Give the Model Number, Serial Number, and Mfg. Date) to the parts representative.
- If possible, give the part number and a description from the parts list. Or describe the needed part(s) to the best of your ability.
- If you are in a breakdown situation, please tell us, we will try to get your unit operational as soon as possible.



Serial Number
(The ID Plate is located on the frame.)

Mfg. Date
(You may be asked the Mfg. Date of your unit, have it ready if you are asked for it)



• Parts Breakdown •



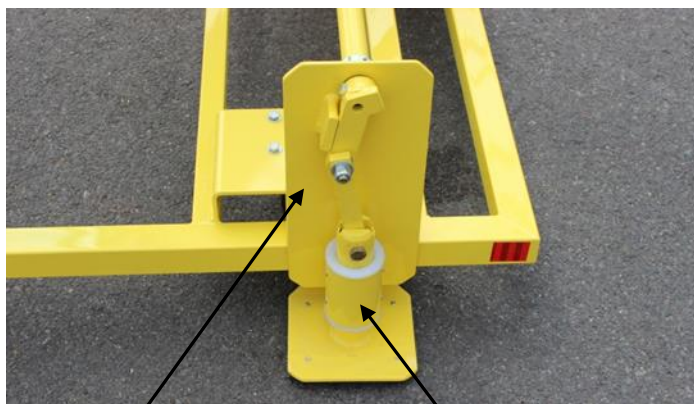
1 2 3 4 5



6 7 8 9



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11 12

<i>Item</i>	<i>Description</i>	<i>Part Number</i>
1	Storage Box	K00448
2	Handrail Cable (Specify Length)	HRC001
3	White Corner Bumper (90°)	P00025
4	White Flat Bumper	P00026
5	Yellow Impact Foam	P00115
6	Stabilizer Arm	K00882
7	Stabilizer Foot (Right Hand Side)	K00884
8	Linkage Bar	S500-146
9	Complete Stabilizer Foot Assy.	BWS-SRA001
10	Main Wheel	P00171
11	Linkage Bar	S500-146
12	Stabilizer Foot (Left Side)	K00884

• Parts Breakdown •



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<i>Item</i>	<i>Description</i>	<i>Part Number</i>
13	Swivel Wheel	P00134

• Warranty •

This warranty is in lieu of all other warranties, either expressed or implied.

What is Covered:

This warranty covers equipment manufactured by KCI, Inc. from any defects in materials, workmanship and/or installations performed.

Period of Coverage:

This warranty lasts for a period of two years, electrical component coverage is for one year from the date the product ships, or until the original ownership of the ramp is transferred to another party, whichever comes first. Any repairs or modifications without the express written consent of KCI, Inc. will be grounds to immediately void all or part of this warranty.

What is Not Covered:

This warranty does not cover the following:

1. Accidental damage.
2. Misuse or abuse.
3. Damage caused by adverse weather, disasters, or other forces of nature.
4. Worn out adhesive skid walk.
5. Worn out tires/wheels.
6. Worn out/faded canvas canopies.
7. Any other wear or damage caused by the equipment's general use.
8. Any consequential or incidental damages to include:
 - a. Any loss of profit.
 - b. Loss by reason of airport or flight line shutdown.
 - c. Non-operation or increased expense of operation.
 - d. Loss of passengers or business.

What KCI Will Do:

Repair or replace any original part, component or piece of equipment that is found to have defects from time of shipment through the end of the period of coverage.

How to Make a Service Claim:

Provide a claim in writing within the period of coverage to the address listed below or email to msankey@kci.nu. We will then determine if the problem is a defect with the product. Once the nature of the problem is ascertained, we will notify the buyer of our planned resolution. This may include an on-site visit by KCI, Inc. for repairs, or that the buyer ships the defective part or component to us for inspection and replacement at KCI's expense.

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