

Q-Series Step Operations & Parts Manual

Maintenance Schedule



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• Overview •



The QS-L1-3306 (Q-Step) is designed to help bridge the gap between the bottom of the aircraft's L1 stairs/handrails and the ground. The design of the Q400 leaves a sizeable gap at ground level and the handrails do not extend out far enough for the last step. The Q-Step addresses these deficiencies, helping to improve safety for the passengers.

It has optional safety reels (shown in picture) that, when combined with the QS-L2-4558 (Q-Stair), form an overall Q400 system. This system allows the under wing area to be cordoned off, directing the passengers around this area and as a result, improving the overall safety of the passengers and security of the aircraft.

• Operations •

•Deployment•



The QS-3306 (Q-Step) is lightweight, maneuvers easily, and is deployable by one individual in a matter of seconds. Upon opening the aircraft door, grasp the handrails of the Q-Step, tilt the step back towards oneself onto the wheels of the step. Once on the wheels, simply push up to the aircraft door and set down (no part of the step should make contact with the aircraft door). When equipped with a ribbon reel, the Q-Step can be used in conjunction with the QS-L2-4558 (Q-Stairs). Pull the ribbon towards the aircraft wingtip and attach to the Q-Stair ribbon station to cordon off the under wing area.

•Parts Breakdown (Non Welded Unit)•



	<i>Steel Q-Step</i>		<i>Aluminum Q-Step</i>	
<i>Item Number</i>	<i>Description</i>	<i>P/N</i>	<i>Description</i>	<i>P/N</i>
1	Left Side Handrail	K00384	Left side Handrail	K00323
2	Right Side Handrail	K00383	Right Side Handrail	K00322
3	Step Platform	K00382	Step Platform	K00321
4	Wheel	NF1062710-OT	Wheel	NF1062710-OT
5	Axle	K00385	Axle	K00324
6	Retractable Reel	P00217	Retractable Reel	P00217
7	Black Cap	P000-67-001	Black Cap	P000-67-001
8	Handrail Foam	P00115	Handrail Foam	P00115
9	Sheet Rubber	P00110	Sheet Rubber	P00110

• Parts Breakdown (Welded Unit) •



	<i>Steel Q-Step</i>		<i>Aluminum Q-Step</i>	
<i>Item Number</i>	<i>Description</i>	<i>P/N</i>	<i>Description</i>	<i>P/N</i>
1	Wheel	NF1062710-OT	Wheel	NF1062710-OT
2	Axle	K00385	Axle	K00324
3	Retractable Reel	P00217	Retractable Reel	P00217
4	Black Cap	P000-67-001	Black Cap	P000-67-001
5	Handrail Foam	P00115	Handrail Foam	P00115
6	Sheet Rubber	P00110	Sheet Rubber	P00110

• Preventative Maintenance Checklist •

The following is a general maintenance checklist which covers the major components of your QS-L1-3306. 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.			

• 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)



• 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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