

Q-Series Service Stairs Operations & Parts Manual

Maintenance Schedule



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•Table of Contents•

Overview.....	2
Operations.....	3
Warnings and Restrictions.....	4
Preventative Maintenance / How to Order Replacement Parts.....	5
Parts Breakdown.....	6-7
Warranty Information.....	8

• Overview •



The QS-R1-3646 (Q-Maintenance Stair) is designed to accommodate Ground crew access to the R1 door of the aircraft. The Q-Maintenance Stair is lightweight and easily maneuvered and deployed by one individual in less than 1 minute. The Q-Maintenance Stair is designed to allow servicing of the aircraft galley without interrupting the simultaneous passenger boarding at the L1 aircraft door. With functionality and safety in mind, the Q-Maintenance Stair is both safe and seamless.

• Operations •

•Deployment•

Pull the brake arm towards the base of the stair until it is securely latched. This will allow the Q-Maintenance Stair to be on all four wheels.



Push the Q-Maintenance Stair up to the aircraft R-1 door



When in position depress the brake arm latch and move the brake arm to the forward position, this will allow for the Q-Maintenance Stair to rest on the rubber feet thereby becoming stationary. Open the R-1 door



•Warnings and Restrictions •



1. Only trained and authorized personnel should deploy the Q-Maintenance Stair for ground crew use.
2. Under no circumstances should the Q-Maintenance Stair be positioned with any person on it.
3. The Q-Maintenance Stair should be inspected before each use to assure a clean and unobstructed Pathway
4. The swivel wheels must always be disengaged prior to ground crew use.
5. Water, ice, snow or any other natural or foreign substance should not be allowed to accumulate on the Q-Maintenance Stair.
6. It is the responsibility of the operating staff to ensure that the aircraft is not damaged when using the Q-Maintenance Stair.
7. The Q-Maintenance 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 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.			
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.

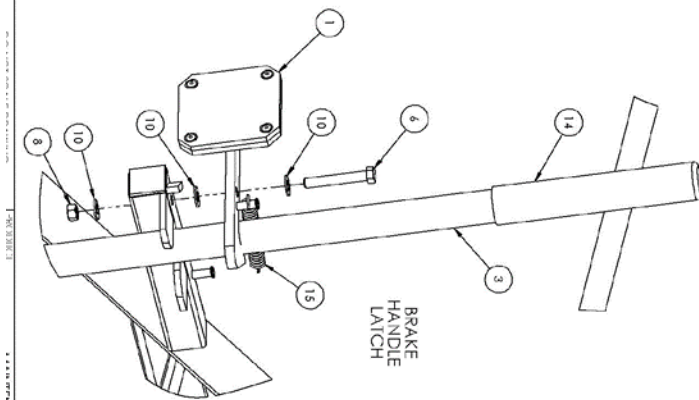
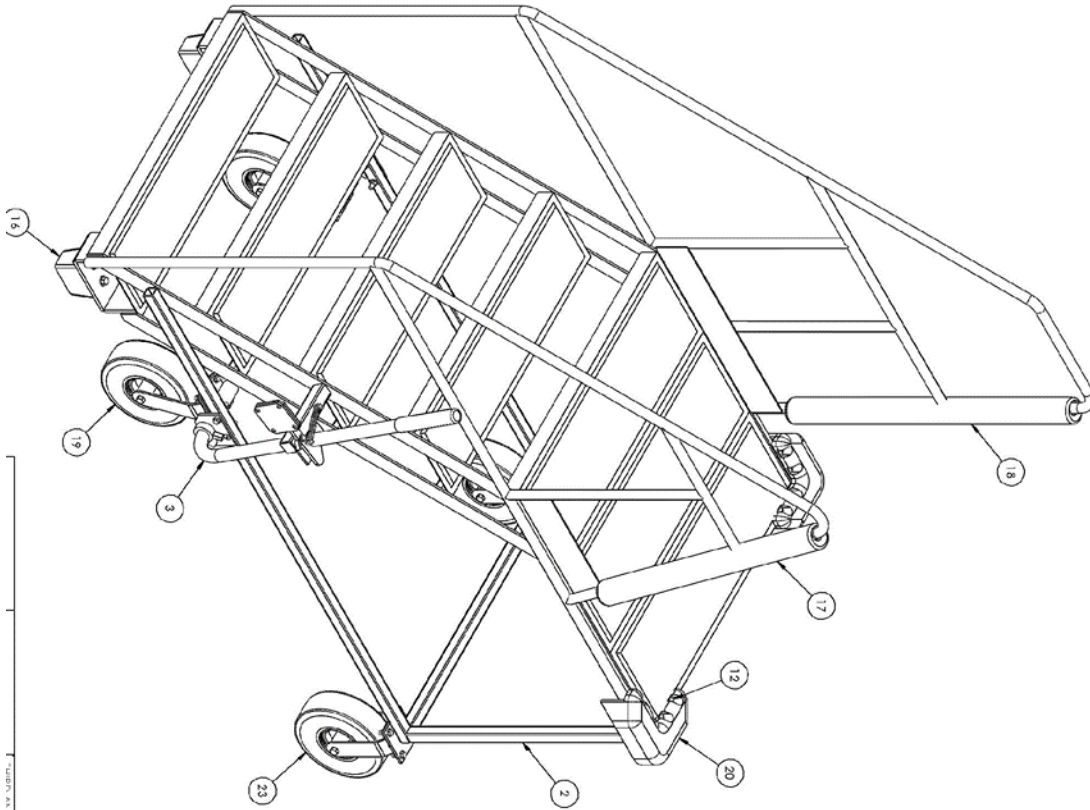


Serial Number
(The ID Plate is located on the frame.)

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



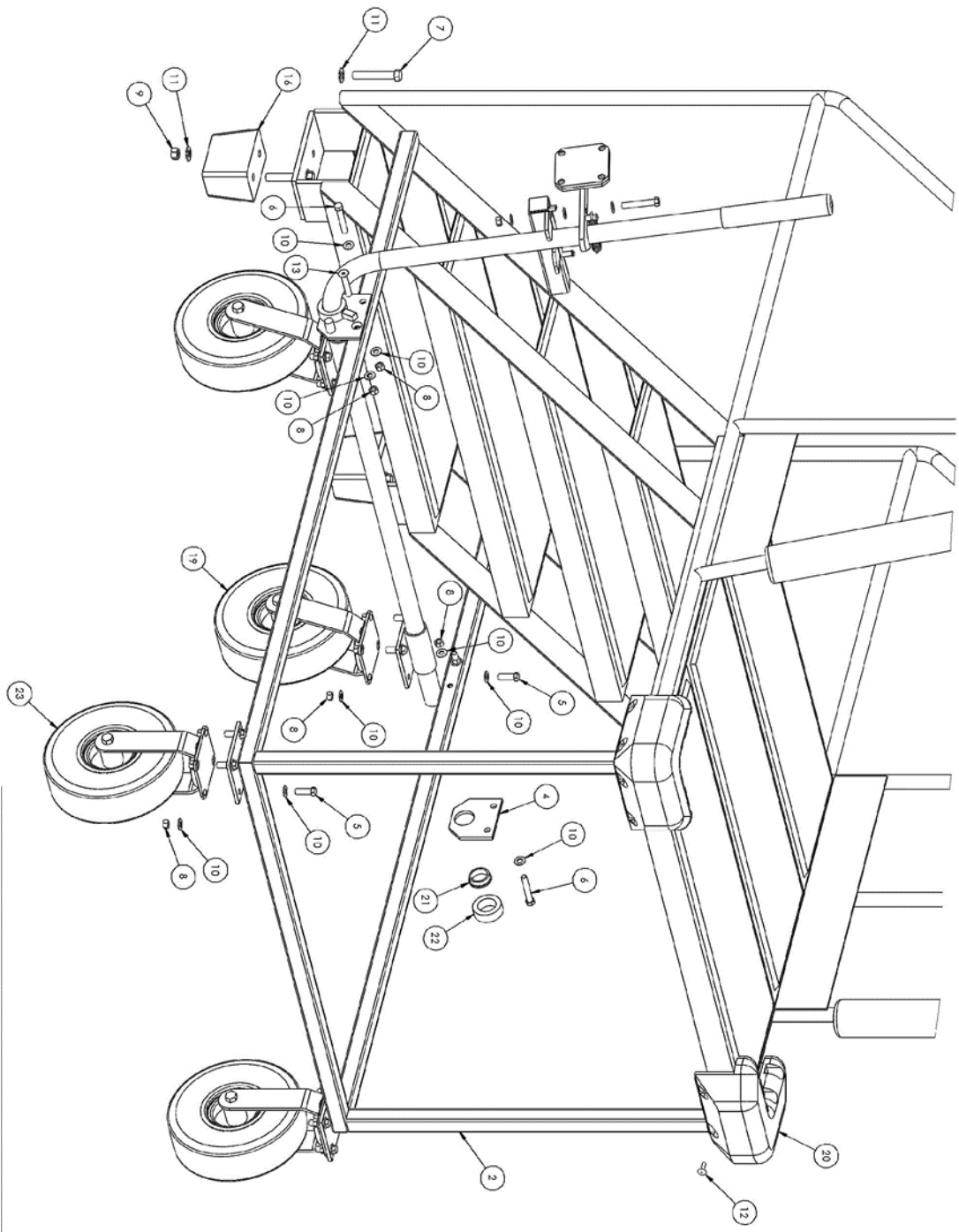
• Parts Breakdown •



PARTS LIST

ITEM NO.	QTY.	Parting	DESCRIPTION
1	1	K00171	LATCH W/D. BRAKE/STABILIZER LOCK, TOW/STEER STAIRS
2	1	K00446	STAR W/D. MAINTENANCE-SERVICE, Q400
3	1	K00447	BRAKE HANDLE, AXLE RELEASE, Q400 MAINT STAIRS
4	1	K00446	PLATE W/IG. BRAKE HANDLE, Q400 MAINT STAIRS
5	16	P00001-0551	BOLT, HEX, 3/8-16 X 1-1/4, GRADE 5
6	4	P00001-0629	BOLT, HEX, 3/8-16 X 2-1/2, GRADE 5
7	4	P00001-0923	BOLT, HEX, 1/2-13 X 3-1/4, GRADE 5
8	21	P00005-0034	NUT, HEX, 3/8-16, NITLOCK, GRADE 5
9	4	P00005-0034	NUT, HEX, 1/2-13, NITLOCK, GRADE 5
10	42	P00011-0077	WASHER FLAT, 3/8, GRADE 5
11	8	P00011-0088	RIVET, ALUM. BLIND, 5/16 X 1/2-5/8 GRP X 5/8 HEAD
12	16	P00022-0022	SCREW, SRT CSR, HD FLAT, 3/8-16 X 2-1/4, GRADE 5
13	1	P00019-0700	GRIP, FOAM, 1-7/32-1-19/32" OD X 8" LG
14	1	P000924	SPRING, EXTENSION, 5/8 DIA X 2-1/2 LG X .072
15	2	P000970	BUMPER, RUBBER, 3 X 4-7/8 X 3-1/2H
16	1	P000115	FOAM PADDING, 1.5 ID X 3.0 OD, YELLOW X 52.50 LONG
17	1	P000115	FOAM PADDING, 1.5 ID X 3.0 OD, YELLOW X 56.00 LONG
18	2	P00128	CASTER, SWIVEL, PNEUMATIC TIRE 10"
19	2	P00132	BUMPER, RUBBER, CORNER W/HE
20	2	P00165	BUSHING, FLANGE, BRO-ZINC, 1.25 ID X 1.50 OD X .50 LG
21	2	P00170	COLLAR, SHAFT, SET SCREW, 1.375 ID
22	1	P00212	CASTER, RIGID, PNEUMATIC TIRE, 10"
23	2		

• Parts Breakdown •



• 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.

KCI GSE Inc.
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