

# DXR Baggage Cart Operations & Parts Manual

Maintenance Schedule



Keith Consolidated Industries  
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• Overview •



The KCI Inc. DAQ Passenger Ramp is a universal ramp designed to serve larger sized aircraft such as the MD80 up to the 757. The Ramp allows for a seamless boarding process for all passengers. This ramp, with its adjustable slope and platform with sliding rails provides a faster, safer, and more economical means of boarding and deplaning. The DAQ Series Passenger Ramp is comfortably sloped, non-motorized, and easy to operate. The combination of steel and aluminum construction, non-skid surface, provides strength and versatility.

• Specifications •



• ***DXR Baggage Cart Specifications*** •

Weight: 260 pounds

Height: 60 inches

Width: 46 inches

Top Shelf: 96 inches x 40.5 inches

Middle Shelf: 85 inches x 32.5 inches

Bottom Shelf: 85 inches x 40.5 inches

Overall Length: 106 inches (Including bumpers)

## • Features •

### • *DXR Baggage Cart Features* •

- Low rolling resistance design for easy maneuvering (One person can easily handle a fully loaded cart).
- Load bearing roof section to increase cart capacity.
- Quick-change foam filled tires.
- Rain and snow protection for bags.
- No maintenance design.
- In service across North America.

### • *DXR Baggage Cart Safety Features* •

- Stable in winds up to 70 mph.
- Soft bumper on roof absorbs impact and prevents point loading.
- Reflective markers at corners.
- “Drop lock” disc brakes eliminate problems that conventional friction brakes have with brake wear, under inflated tires and poor weather.

### • *DXR Baggage Cart Materials* •

- 5052 & 6061 series aluminum.
- Closed cell foam filled bumper.
- Cured tire flat proofing elastomer

### • *Comprehensive Two Year Warranty* •

- KCI Inc. warrants the DXR Cart to be free from manufacturing or material defects for two years from date of invoice.
- Damage caused by vandalism or abuse is not covered by this warranty.

## • Operations •

### • *Warnings and Cautions* •

- Do not climb on or stand on the roof.
- Do not overload the roof shelf.
- Never park the DXR Cart where high wind or jet blast are present, damage could occur.
- Do not exceed maximum capacity of 1000 lbs.
- Keep roof baggage within cart perimeter to protect against contacting the aircraft.
- Do not allow the DXR cart to contact the aircraft.
- Do not tow the DXR cart.

### • *Operation* •

- Usual loading and unloading is from the left-hand side. (Push Handle is located at the rear of cart).
- Move the cart by pulling down on the Push Handle to release the brake.

### • *Feedback* •

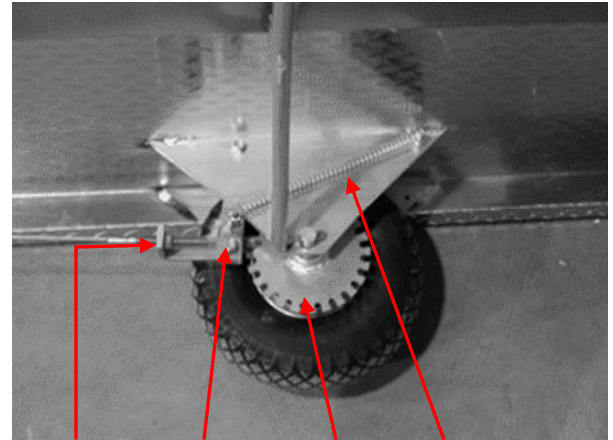
At KCI Inc., we wish to provide safe, high quality, and easy to use products. Customer satisfaction is of great importance to us. To continue our tradition of quality and response to customer needs, we welcome any comments or suggestions.

Call **(541) 830-8678** or visit our website at [www.kcigse.com](http://www.kcigse.com).

## • Operations •

### • *Annual Brake Inspection and Service* •

1. Place DXR Cart on its side.
2. Inspect the brake springs (D). If damaged or broken, replace immediately.
3. Have assistant lower the push handle to release the brakes.
4. Brake lever link (B) should clear the sprocket (C) by 1/8" to 3/8" when brakes are released.
5. Have assistant release the brake handle, the brake lever link (B) should touch the bottom of the sprocket notch on (C).



### • *Brake Spring Replacement* •

1. Remove the old brake spring (D) by removing the nut and bolt that secure the spring at each end.
2. Install the new spring by attaching one end and securing it with the original nut and bolt. Using vice-grips or pliers stretch the spring and attach using remaining nut and bolt.
3. Tighten the “Nylock” nuts until the bolt engages the nylon.

**Do not tighten the nut against the spring.**

### • *Brake Cable Adjustment* •

1. Loosen the two lock nuts (A) using 9/16" wrenches.
2. Adjust the nuts at (A) until the following is achieved:
  - a) Brake lever link (B) clears the sprocket (C) by 1/8" to 3/8" when the brakes are released.
  - b) Brake lever link (B) touches the bottom of the sprocket notch on (C).

### • *Test the Brakes* •

Upon completion of any wheel or brake adjustment, test the brakes to verify proper operation.

1. Push the DXR Cart slowly and release the brake handle, the cart should stop immediately.

**• Preventative Maintenance Checklist •**

The following is a general maintenance checklist which covers the major components of your DXR Baggage Cart. It is recommended that the following be checked regularly as scheduled to ensure proper function, longevity, and serviceability of your DXR Baggage Cart.

COMPONENT	SUGGESTED ACTION	SCHEDULE		
		Monthly	Quarterly	Bi-Annually
WHEELS	Grease wheels			
BRAKES	General Check			

**• How to Order Replacement Parts •**

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

When ordering replacement parts:

- a. Contact the KCI parts dept. at (541) 830-4877 or email [msankey@kci.nu](mailto:msankey@kci.nu)
- b. Give the Model Number, Serial Number, and Mfg. Date) to the parts representative.
- c. 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.
- d. 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)

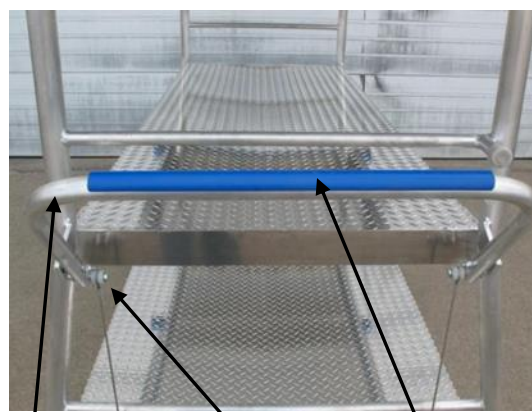




• Parts Breakdown •



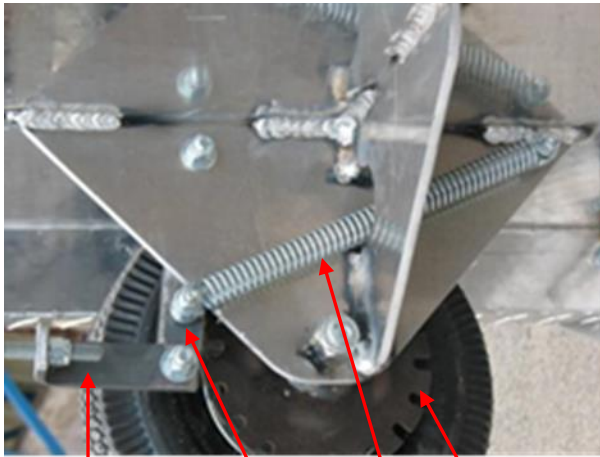
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<i>Item</i>	<i>Description</i>	<i>Part Number</i>
1	Top Shelf	K00360
2	End Frame (Front)	K00364
3	Middle Shelf	K00361
4	Bottom Shelf	K00362
5	End Bumper Assembly	K00370
6	End Frame (Rear)	K00363
7	Brake Cable Pulley	P00129
8	Brake Cable, For Carts After November, 2008	P00055B
8A	Brake Cable, For Carts Prior to November, 2008	P00055A
9	Brake Handle	014537
10	Cable Bushing (White)	K00080
11	Brake Handle Cover	022234

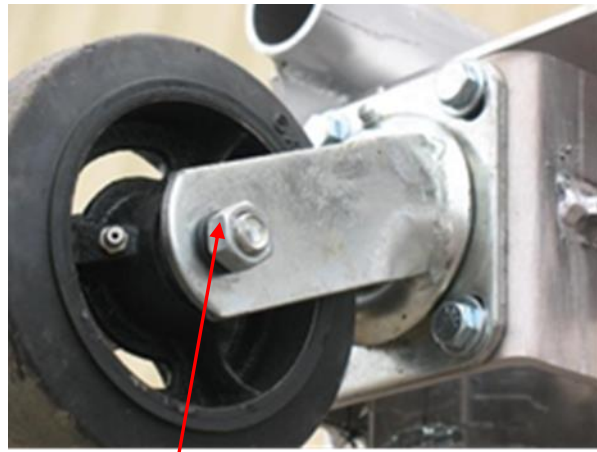
• Parts Breakdown •



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<i>Item</i>	<i>Description</i>	<i>Part Number</i>
12	Brake Lever Link	K00368
13	Brake Bar (Left Side)	K00367
13A	Brake Bar (Right Side)	K00366
14	Brake Spring	P00131
15	Main Wheel with Sprocket	DXT-15A
16	10" Swivel Caster	P00128
17	6" x 2" Swivel Caster	P00134

## • Warranty Information •

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 belt loaders'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](mailto: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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