

**Subject:** K/S 5500 Series Wheelchair Lifts  
**Applicable Products:** S55XX and K55XX Series Products  
**Effectivity:** ALL Units Produced Prior to March 2007 with Serial Numbers 212952 or Lower

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AN ISSUE DESCRIBED BY A SERVICE BULLETIN DOES NOT NECESSARILY APPLY TO EVERY UNIT IN A PRODUCT LINE. A RICON AUTHORIZED SERVICE TECHNICIAN WILL BE ABLE TO DETERMINE WHICH UNITS CAN BENEFIT FROM THE INFORMATION PROVIDED HERE.

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### **Introduction**

This bulletin provides a brief description of the technical issue and description of the corrective action required.

### **Incorporation**

Ricon requires the incorporation of this service bulletin as soon as possible.

### **Information**

Units manufactured prior to March 2007 with Serial Numbers 212952 or lower, have been identified to have additional stroke available in the hydraulic cylinders when the lift is fully stowed. The vertical arms can permanently deform if the operator attempts to use the manual back-up pump (only with a fully stowed lift). Also, the lift should be inspected to ensure that the deployment of the bridgeplate is timed correctly. Pre-mature deployment will create contact with the bridgeplate and the front of the baseplate which will cause damage to the lift and/or injury to passenger.

### **Caution**

See warning below.

### **Corrective Action**

#### **Hydraulic Cylinder Retrofit Kit (P/N 38350)**

**Note:** This corrective action is only for wheelchair lifts manufactured prior to March 2007. If hydraulic cylinders have been previously replaced with hydraulic cylinders manufactured after March 2007 then DO NOT install retrofit kit.

1. To determine if the hydraulic cylinders are Post March 2007, measure the hydraulic cylinder housing.

**Note:** If the hydraulic cylinder housing measures approximately 21" (without gland nut) then these are Post March 2007 and the retrofit kit should NOT be installed.

2. If the wheelchair lift has a manufactured date prior to March 2007 then follow installation instructions (32ii404e) for Hydraulic Cylinder Retrofit Kit (P/N 38350).

 **WARNING!**

EXERCISE CAUTION WHEN MANIPULATING HYDRAULIC COMPONENTS. THEIR PRECISION FINISH AND SOFT SEALS MAY EASILY BECOME DAMAGED BY HITTING OR DROPPING.

#### **Verification of Proper Bridgeplate Deployment Timing**

1. Inspect the wheelchair lift to ensure the bridgeplate guide blocks are installed on the baseplate as shown in **Figure 1**.
2. If the bridgeplate guide blocks are not present then follow installation instructions (32ii386e) for Installation of Guide Blocks Kit (P/N 35708).
3. Raise the wheelchair lift to vehicle floor level to verify proper bridgeplate deployment timing as shown in **Figure 2**.

**Note:** If timed properly, the bridgeplate should contact the top of the baseplate when the bridgeplate approaches its fully deployed position. If the bridgeplate deploys pre-maturely, the bridgeplate deployment cables may be too long or stretched and will create contact with bridgeplate the front edge of the baseplate as shown in **Figure 2**.

4. If the bridgeplate deployment cables are too long or stretched then follow installation instructions (32ii419e) for Cable Assembly with Block Retrofit Kit (P/N 21813).

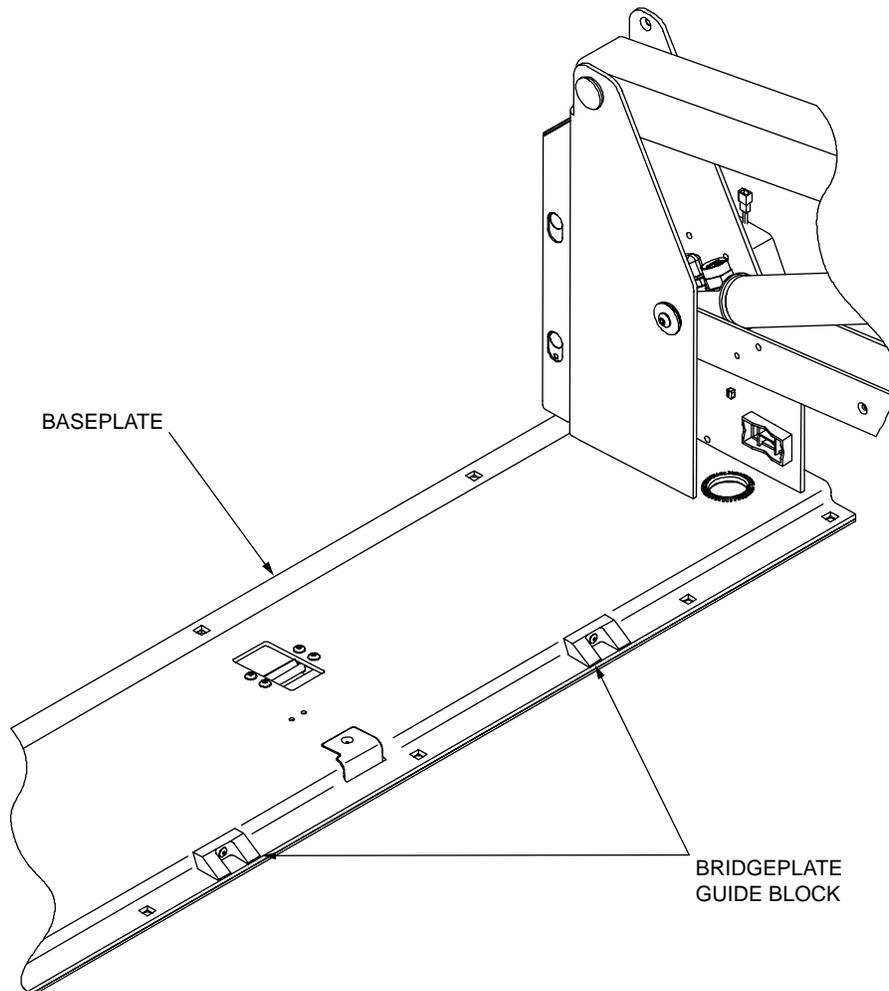
**Note:** Cam block (P/N 37729) must be installed as shown in **Figure 3** to ensure that the bridgeplate deploys properly onto baseplate. Note the orientation of the cam block.

5. Use a straightedge or ruler to visually verify if the vertical arms have any deformation by placing straightedge or ruler to the left or right side of the vertical arms, as shown in **Figure 4**.

**Note:** There is no deformation of the vertical arms if there is no gap found between the straightedge or ruler and the vertical arms. If there is a gap present and deformation is found between the straightedge or ruler and the vertical arms, contact a Ricon authorized dealer for service.

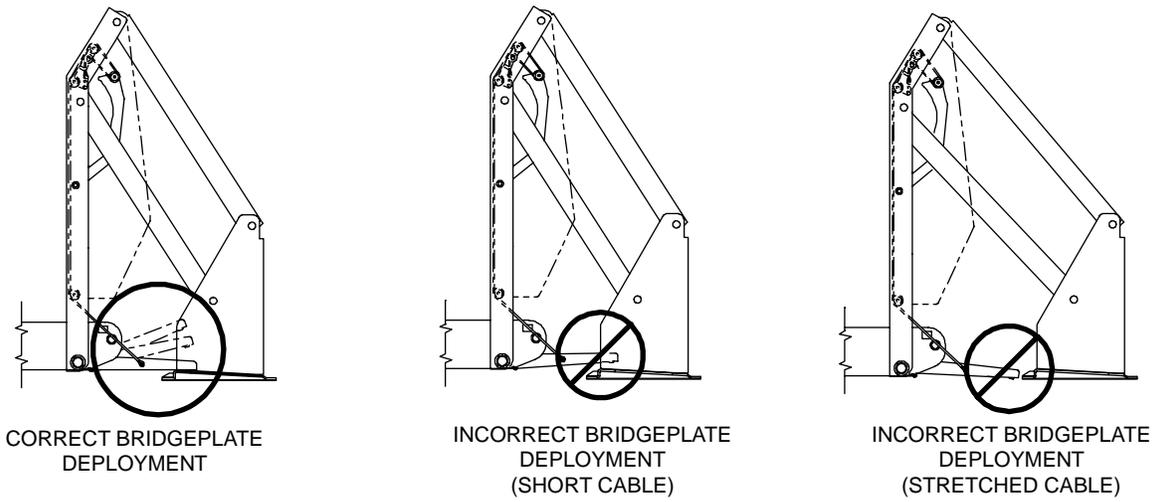
**Parts Involved**

Hydraulic Cylinder Retrofit Kit .....	P/N 38350
Bridgeplate Guide Block, Inner Roll Stop Kit .....	P/N 35708
Cable Assembly with Block Retrofit Kit (K/S 5500) .....	P/N 21813



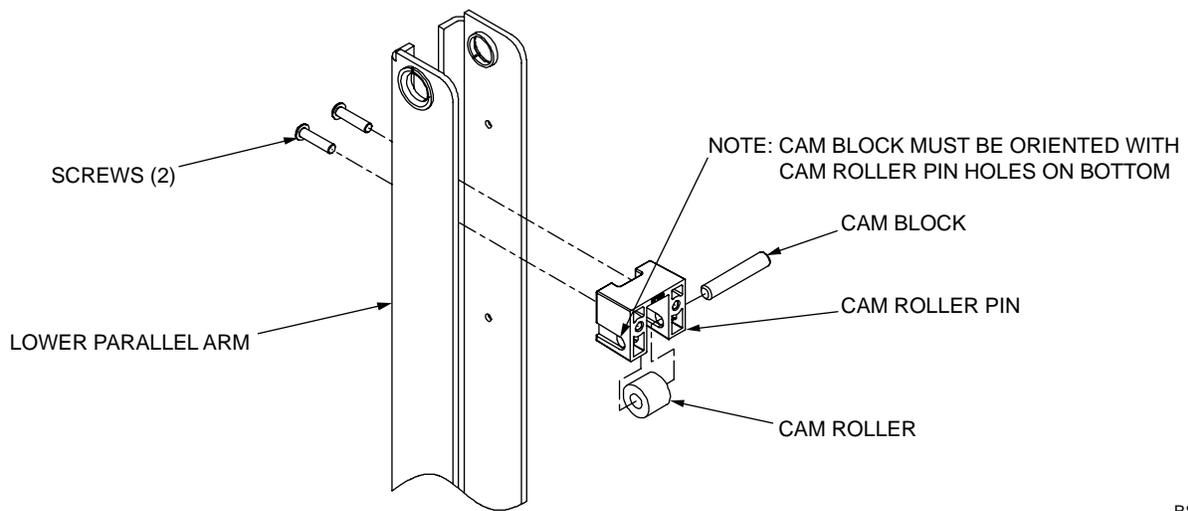
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**FIGURE 1: BRIDGEPLATE GUIDE BLOCK**



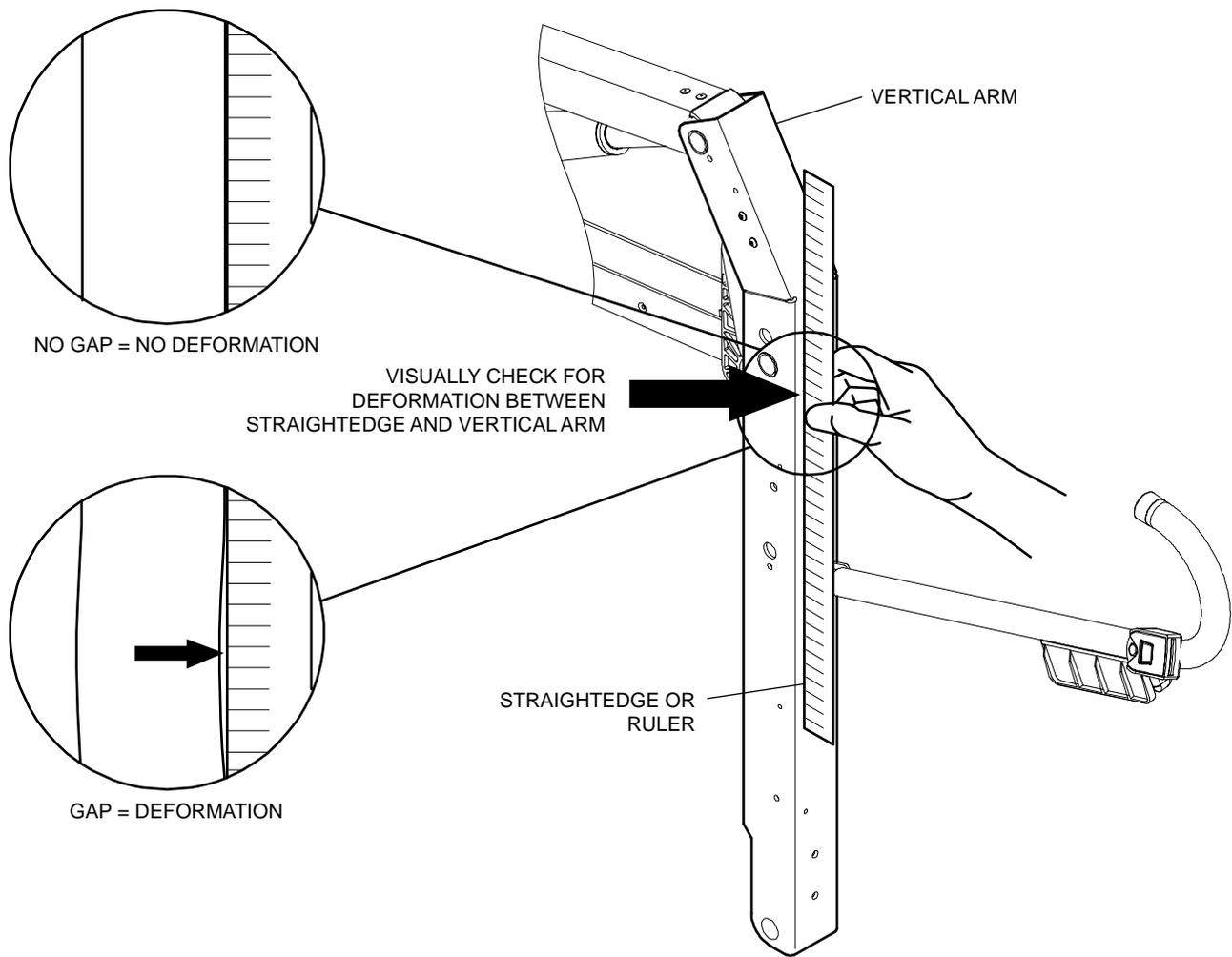
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**FIGURE 2: BRIDGEPLATE DEPLOYMENT TIMING**



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**FIGURE 3: CAM BLOCK INSTALLATION**



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**FIGURE 4: CHECK FOR VERTICAL ARM DEFORMATION**