



# **ROUTINE JACK MAINTENANCE BULLETIN**

RJM 223

1 of 2

## **TO PROVIDE COMPLETE INFORMATION ON SERVICING ColumbusJACK/REGENT QUALITY GROUND HANDLING EQUIPMENT**

### **ANNUAL CERTIFICATION PROCEDURE PORTABLE FLOOR CRANES SERIES 9319, 9601 and 9609**

#### **1.0 Introduction**

The Columbus**JACK**/Regent Cranes are a series of self-contained portable floor cranes of 1500, 1000 and 2000 pound capacities respectively.

It is recommended that these cranes be subjected to this certification procedure on an annual basis.

#### **2.0 Equipment Required for Testing**

The following is a list of support equipment required for the completion of this test procedure:

##### **2.1 Test Weights**

2.1.1 1500 pounds (+0, -50) for Series 9319.

2.1.2 1000 pounds (+0, -50) for Series 9601.

2.1.3 2000 pounds (+0, -75) for Series 9609.

#### **3.0 Precautions During Load Testing**

The following precautions should be observed at all times during the completion of this test procedure:

3.1 Personnel should remain clear of suspended loads.

3.2 Items of equipment should not be used as load-testing weight.

3.3 Inspect cables before testing for signs of damage, kinks or fraying.

3.4 The test area should be a hard ground surface, such as concrete, free of ground obstructions, with adequate overhead clearance to allow for set-up the crane with the boom in the highest position.



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### **PORTABLE FLOOR CRANE CERTIFICATION PROCEDURE (CONTINUED)**

#### **4.0 Pre-Operation**

- 4.1 Perform a pre-operation check as defined in the crane's operation and maintenance manual.
- 4.2 Perform maintenance as described in the servicing section in the crane's operation and maintenance manual.

#### **5.0 Test Procedure**

Perform the Certification Test in the following sequence:

- 5.1 Position the crane in the test area.
- 5.2 Erect crane, ensuring each function operates smoothly, until boom is horizontal at its maximum reach position.
- 5.3 Lower hook and connect to specified test weight (Ref 2.1).
- 5.4 Raise load to maximum height.  
  
**NOTE:** During the lift, the weight will rotate due to the cable construction. It is suggested that a line be attached to the weight to limit this rotation.
- 5.5 Lower the load and disconnect the hook.
- 5.6 Using the hoist cable, position the boom in its highest position.
- 5.7 Repeat 5.3 thru 5.5.
- 5.8 Fold crane into transport configuration.
- 5.9 Visually inspect crane for any signs of damage.