



# AIMCO Manufacturing Safety Manual



Sales & Service:



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## 1.1 General Installation Instructions

All lift assist devices and associated tooling are assembled and tested at the factory.

## 1.2 Portable Jib Crane Requirements

Your jib crane should be installed where is not subject to radical changes in temperature or temperature outside the recommended limited listed below. Temperatures higher than recommended may cause problems with bearings, pneumatics systems, moving parts and tooling.

**This equipment has been designed for INDOOR use ONLY.**

## 1.3 Temperature Limits

- **Minimum** Temperature: - 40 Degrees Fahrenheit
- **Maximum** Temperature: +140 Degrees Fahrenheit

## 1.4 Air Supply

This equipment is designed for a minimum 80 PSI to 100 PSI, clean, dry, "Oil Free", filtered air recommended.

## 1.5 Shipment

The AIMCO portable jib crane is shipped as follows:

- SKID #1: Jib Arm Complete
- SKID #2: Support Pedestal
- SKID #3: Portable Base

ACCESSORY BOX: Loose parts, Fittings And Lifter/Tooling (If Supplied)

## 1.6 Mounting Instructions:

### 1.6.1

Set the portable base on a level floor surface. Locate the six (6) 3/4 x 3 or 7/8 x 3 mounting bolts and nuts. Secure the pedestal to the portable base.

### 1.6.2

Position the pedestal on the base so that the air intake cap on the pedestal is facing the handlebar location on the base.



## 1.6.3

Insert the handlebar into the base, and secure with set screws.

## 1.6.4 Arm Assembly Preparation For Mounting:

### 1.6.4A

Locate 1/2 x 1/2 fitting and connect to bottom of main rotation bearing assembly. Assure the connection is tight.

### 1.6.4B

Plug the 1 FT length of 1/2" Polyethylene tubing to the fitting referenced in 1.6.3A, Assure the connection is tight and the tubing locked in place.

## 1.7 Mounting the Arm:

### 1.7.1

Prior to mounting the arms, assure the pedestal is securely mounted to the base.

### 1.7.2

With a crane, fork-lift or other suitable, safe lifting device, pick up the jib arm and position the unit approximately 6" above the pedestal mounting flange.

### 1.7.3

Insert the 1FT 1/2 IN. Air line from the main bearing into the top of the pedestal and feed it through the hole located in the side of the pedestal tube.

### 1.7.4

Slowly lower the arms onto the top of the pedestal. Align the mounting holes. Using the six (6) 5/8-11 x 1 1/2 SHCS, secure the arms to the pedestal. Recommended Torque 175 FT. LBS)

## 1.8 Completing Air Circuitry:

### 1.8.1

Locate the pedestal cover plate with the air fittings. Plug the 1/2" line protruding from the pedestal pipe into the fitting. Place the cover plate onto the pedestal and secure with the four (4) 1/4-20 x 1/2 mounting bolts.

### 1.8.2

Mount the filter regulator unit to the cover plate. Install the quick disconnect to the filter regulator.