



AMERICAN & OHIO LOCOMOTIVE CRANE CO. INC.

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OEM Product Support Bulletin

No. 20

DATE: September 17, 2013 (revision date)
SUBJECT: TRUCK BRAKE ADJUSTMENT - BRAKE PRESSURE SETTINGS

RATING: **DIRECTIVE** **ALERT**
(Action is required)
 INFORMATION **PRODUCT IMPROVEMENT**
(Enhance Product)

Machine Model (s): All American Locomotive Cranes

Serial Numbers: All Locomotive Cranes

Summary: Minimum and Maximum Brake Chamber Piston Rod Travel

Operational Impact:

- > Longer Brake Shoe Life
- > Shorter Stopping Distance
- > Better Brake Control

All American & Ohio Locomotive Cranes

Three types of braking systems are available on Locomotive Cranes:

Class I: Straight Air Brake System is controlled by crane operator with control valve in operator's cab. Straight Air Brake pressure should be set at 60 psi.

Class II Machine is equipped with the same Straight Air Braking System as Class I but with optional Automatic Braking System on carbody which can only be controlled from Locomotive to apply brakes on crane. Systems are separated by a Double Check Valve.

Class III: This brake system has both Straight Air & Automatic Braking Systems. The Straight Air System is the same as Class I and the carbody is equipped with an Automatic Braking System as Class II but with the capability of controlling the Automatic Brake system directly from the operator's cab. If other railroad cars are connected to the end of car hoses on the carbody, the car brakes also will apply when controlling the brake with the Control Valve for the Automatic Air Brake System. The Straight Air Brake System pressure should be adjusted to 60 psi while the Automatic Braking Systems should be adjusted to 70 psi. Systems are separated by a Double Check Valve.

All systems have brake shoes on all eight wheels. Hand brakes are provided on one or both trucks, depending on the model and options. Brake adjustment depends on the cylinder size. Adjust the rods on each truck assembly to the specified amount of travel.

Cylinder size (Brake Chamber)	Adjust when Piston Travel reaches	Adjust to this dimension
8 in x 8 in	6 inches	4 inches
10 in x 12 in	9 inches	5 inches

(All measurements are with the brakes applied)

Never adjust rods for less than minimum travel. All 8 brake shoes should hit the wheels simultaneously. *Pressure regulator location for straight air system:*

American: Beneath the Lever stand.

