



**AMERICAN & OHIO LOCOMOTIVE CRANE CO.**

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**OEM Product Support Bulletin**

**No. 45**

**DATE:** February 25, 2009 (revision date)

**SUBJECT:** SINGLE LINE BOOM HOIST CABLE CONVERSION

**RATING:**  **DIRECTIVE** (Action is required)  **ALERT** (Safety Issue)  
 **INFORMATION**  **PRODUCT IMPROVEMENT** (Enhanced Product)

**Machine Model (s):** American 840, 850 & 855 DE, DH, DEH Series

**Serial Numbers:** All currently with Two Boom Hoist Cables

**Summary:** This Single Line Boom Hoist Cable is designed to replace the current Two-Boom Hoist Cable System

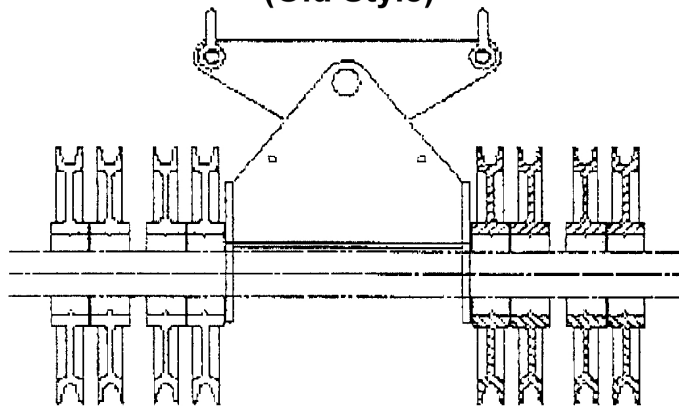
**Operational Impact:**

- Eliminates Wire Rope Clips
- Improves Reliability
- Easier and quicker to install
- Better Equalization of Boom Suspension
- No trial and error when installing the cable to the Equalizer Sheave.

Typically the 800 Series Locomotive Cranes were equipped with two boom hoist ropes. These ropes terminated using either Wire Rope Clips or Becket & Wedge at an equalizer plate mounted in either the inner or outer bail assembly. Getting the equalizer plate to hang straight was a matter of trial and error and difficult to adjust the different wire rope lengths.

To eliminate the need for these Wire Rope Clips and/or the Becket & Wedge, AOLCrane has designed this "Single Line Boom Hoist Cable Conversion" to simplify the boom suspension. This conversion replaces the Equalizer Yoke with a single wire rope sheave and combines the two boom cables into one.

**Inner or Outer Bail Arrangement  
With Equalizer Weldment & Yoke  
(Old Style)**



**Inner or Outer Bail Arrangement  
with Equalizer Weldment & Sheave  
(New Style)**

