



Harsco Track Technologies

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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 10-8-2003 **BULLETIN NO:** 03-018

TITLE: HANDRAIL SUPPORTS MODIFICATION

RATING:

<input type="checkbox"/> DIRECTIVE (Action Is Required)	<input type="checkbox"/> ALERT (Potential Problem)
<input type="checkbox"/> INFORMATION (Action Is Optional)	<input checked="" type="checkbox"/> PRODUCT IMPROVEMENT (Enhance Product)

PRODUCT SERIES / MODEL: BST Series A Bulk Spike Trailer

SERIAL NO: All BST Models A1

SUMMARY: The handrail supports on the front and rear of the trailer can be modified to provide better access to the brake actuators for service.

OPERATIONAL IMPACT: To provide better access to the brake actuators for service.

ACTION: Follow the procedure in this Service Bulletin to modify the handrail supports on the front and rear of the trailer. The modification of the handrail supports involves cutting out a portion of the existing supports, and welding on end caps, angle braces and hose clamp channels.

CONTACT: If you have any questions or if we can be of any service, please contact the Service Department at the Columbia, SC. facility, (803) 822-9160.

SAFETY INFORMATION



- FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.

HANDRAIL SUPPORTS MODIFICATION

1. Cut the existing handrail support tube (next to the brake actuator) off flush with the top of the kick plate and 12-1/2 inches above the tread deck as shown Figure 3 and Figure 4.
2. Make two end caps (#164148) per the dimensions shown in Figure 1. Weld the end caps onto the open ends of the support tube.
3. Make an angle brace per the dimensions shown Figure 2. Weld the angle brace to the support tube and tread deck as shown in Figure 3 and Figure 4.
4. On the left sides of the trailer where the hydraulic hoses run to the propel motors, remove the hoses from the existing hose clamp channel (#404110) illustrated in Figure 5. Then remove the hose clamp channel from the trailer frame and weld on the new angle brace in the approximate location as shown in Figure 6.
5. Remove all sharp burrs, edges, weld splatter, etc. from all components.
6. Thoroughly clean all components, welds, etc. and then prime and paint to help prevent rust.
7. Secure the hydraulic hoses to the propel motor in the hose clamp channel (#404110) on the new angle brace.
8. Repeat procedure to modify the handrail support tubes next to all four brake actuators.

FIGURE 1
END CAP - #164148

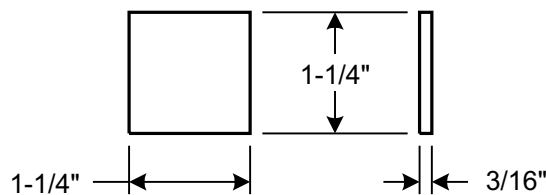
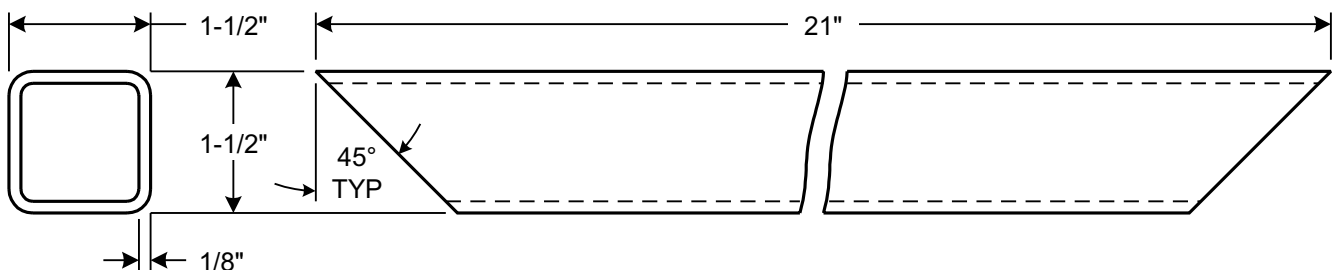
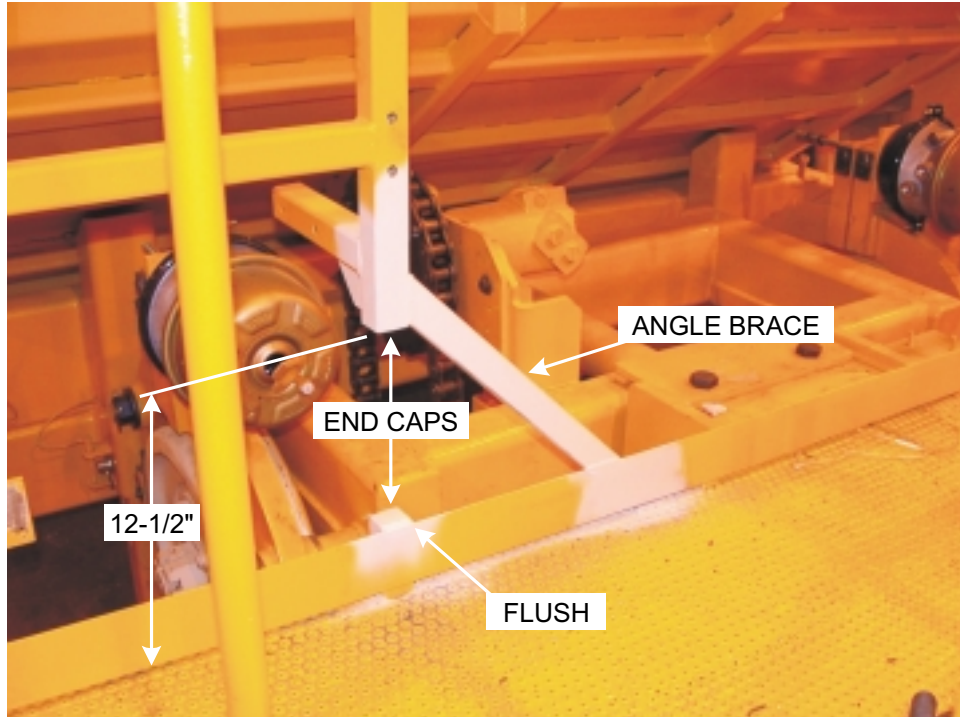


FIGURE 2
ANGLE BRACE - NEW

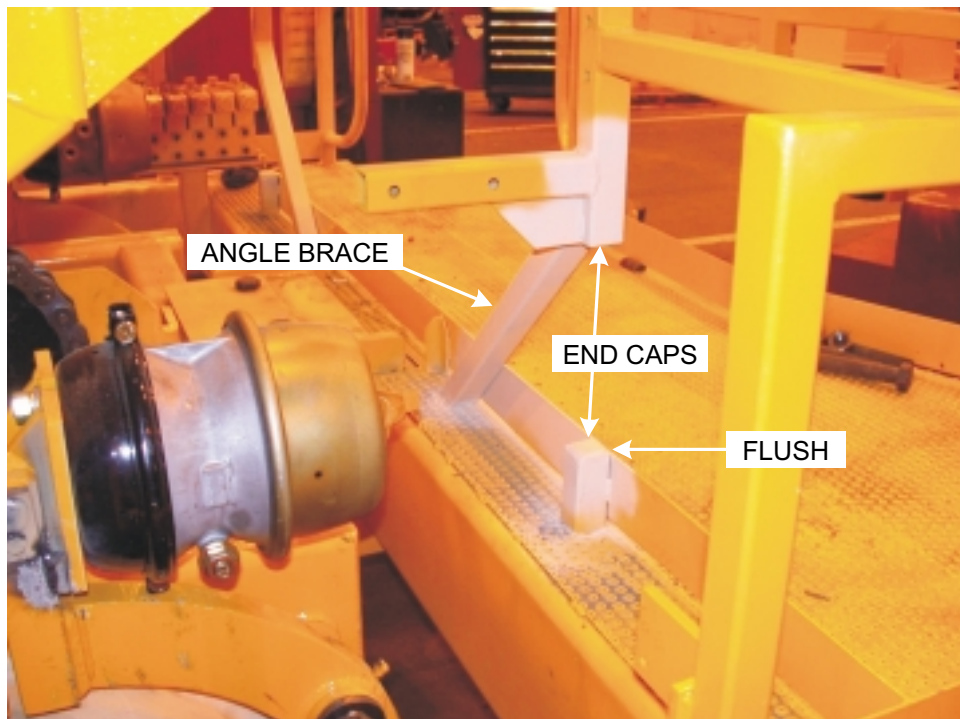


HANDRAIL SUPPORTS MODIFICATION

**FIGURE 3
HANDRAIL SUPPORT MODIFICATION**



**FIGURE 4
HANDRAIL SUPPORT MODIFICATION**



HANDRAIL SUPPORTS MODIFICATION

FIGURE 5
HOSE CLAMP CHANNEL - #404110

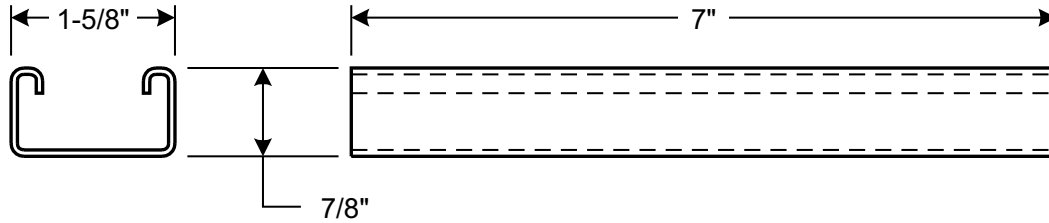
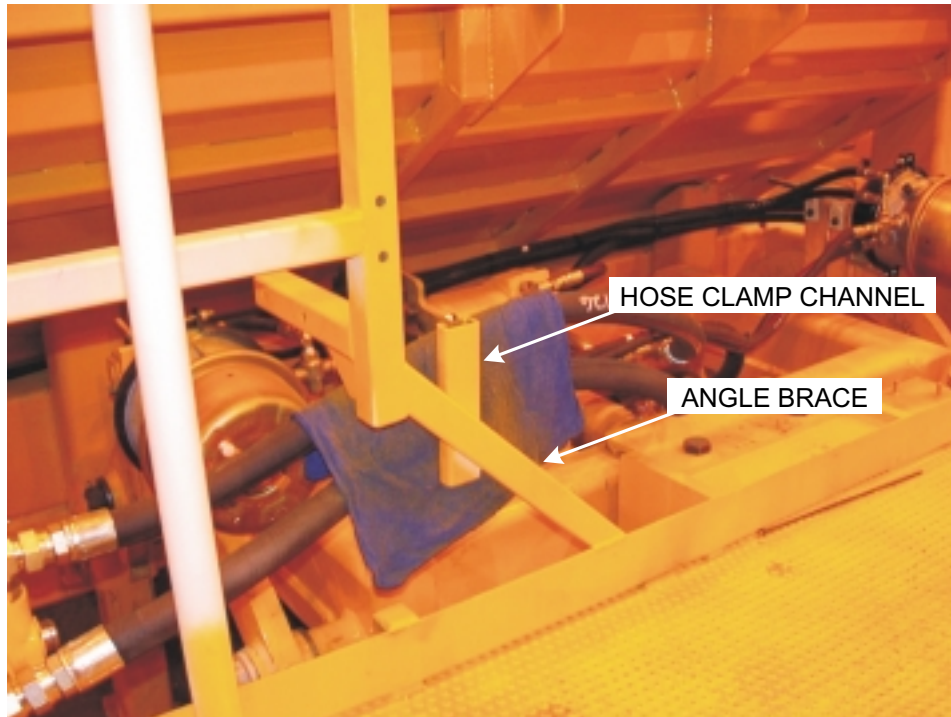


FIGURE 6
HOSE CLAMP CHANNEL INSTALLATION



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