SERVICE BULLETIN

LY1 Board Cap & Wheel Cover Support

PURPOSE

Modify/Repair board cap and wheel cover support angles.

Safety Precautions

Before performing any repairs or modifications on a vehicle, make sure it is securely supported using lifting or support equipment rated for the vehicle's weight.

CAUTION	CAUTION
Never depend on the axles and jacks alone to support the vehicle when making repairs or modifications. A vehicle that is not adequately supported can fall and cause severe injuries or death.	Personal protective equipment must be worn when making vehicle repairs or modifications. This includes, but is not limited to, safety glasses, steel toe boots, and gloves.

Models Affected

LY1 – All Lengths

OVERVIEW

A lower outer flange was added to the hydraulic dovetail front board cap and may come into contact with the front side of the rear tire set when the trailer is loaded, potentially causing rubbing while in tow. Additionally, some wheel cover support angles were installed directly above the tires. When the tail is lowered, the vertical flange of these support angles may press against the rear axle tire set. Both conditions require inspection and correction to ensure proper clearance and safe operation.

INSPECTION/CORRECTION

- Raise and support the trailer using jack stands rated for the trailer's weight.
- Remove the rear axle tire set to allow access to the board cap and wheel cover support angles.
- Inspect the hydraulic dovetail front board cap for a lower outer flange. (see Figure 1.1 & 1.2)
- If present, cut and remove the flange to prevent contact with the rear tires. (see Figure 2.1, 2.2, 2.3)
    - Cut the flange as close to the bend as possible, and as close to the rectangular side tubing as possible. The cut shall not extend into the vertical portion of the board cap.
- Measure the position of the wheel cover support angles from the inside face of the 2" × 6" rectangular side tubing. (see Figure, 3.1, 3.2)
- Inspect the wheel cover support angles for proper placement. (see Figure 3.1, 3.2)
- If the vertical flange of the support angles are positioned directly above the tires, cut off the vertical flange as close to the radius corner as possible, not to damage the horizontal flange welded to the wheel cover, or the wheel cover itself. (see Figure 4.1, 4.2)

~Continued on page 2~

INSPECTION/CORRECTION *~Continued from Page 1~*

•Install a new wheel cover support angle adjacent to the original, ensuring the vertical flange falls either between the tires, or to the inside of the inner tire. (see Figure 5.1, 5.2, 5.3)

•Weld the new angle securely in place with 3/16” fillet weld on each end and a 1” fillet weld in the middle to secure the angle to the wheel cover.

•Verify proper tire clearance before mounting the tires and returning the trailer to service.

Components for wheel cover support angle replacement

4 – 2” x 2” x 1/8” thick x 41-1/2” long structural angle



Figure 1.1

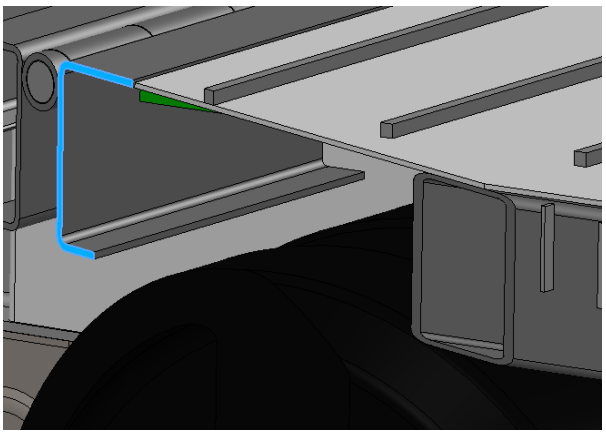


Figure 1.2

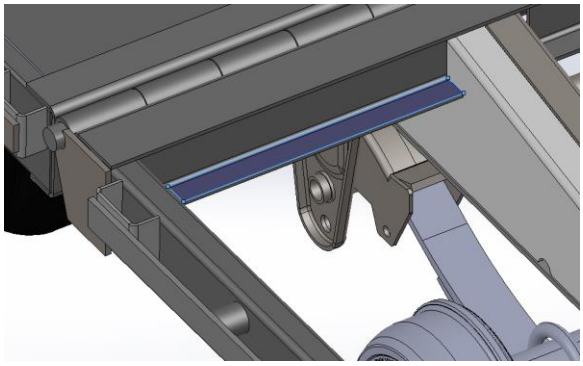


Figure 2.1

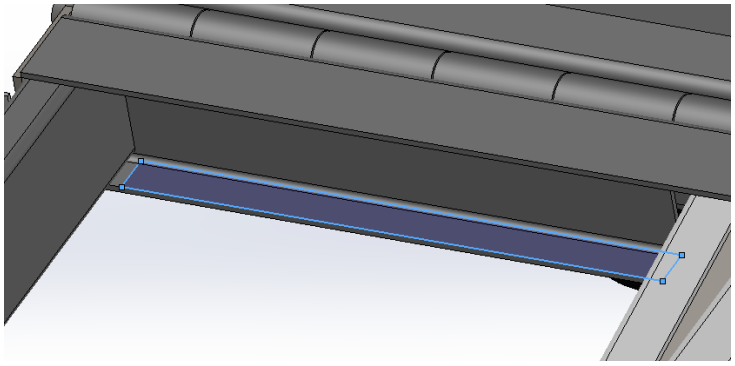


Figure 2.2

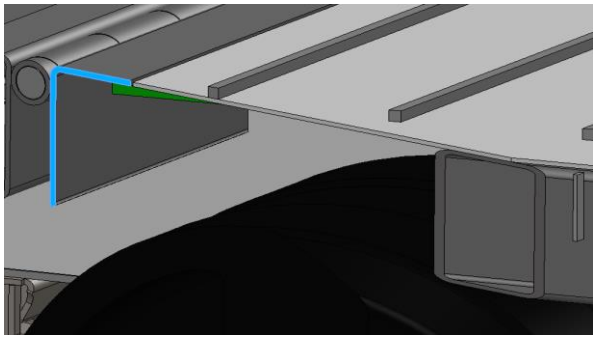


Figure 2.3

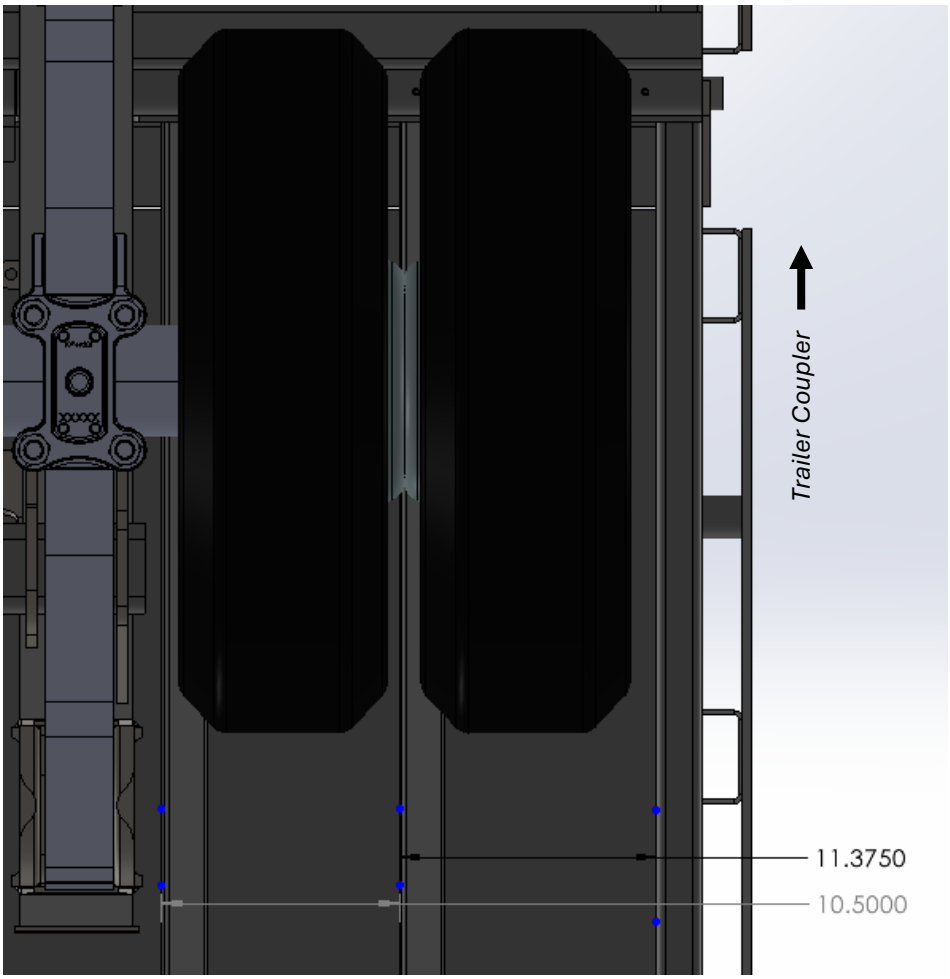


Figure 3.1 *View from the ground looking up.*

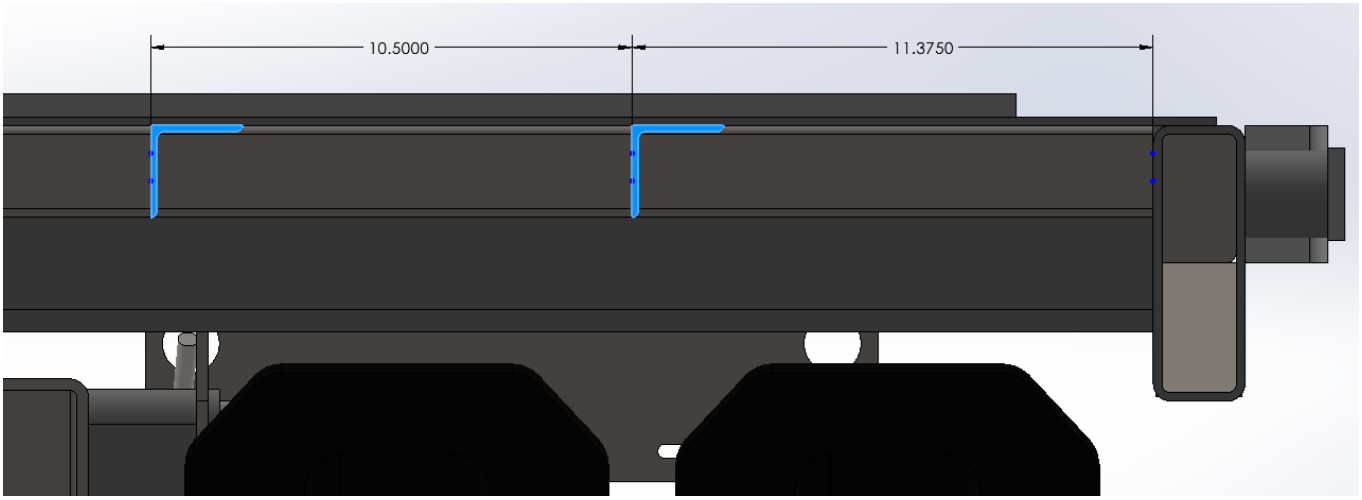
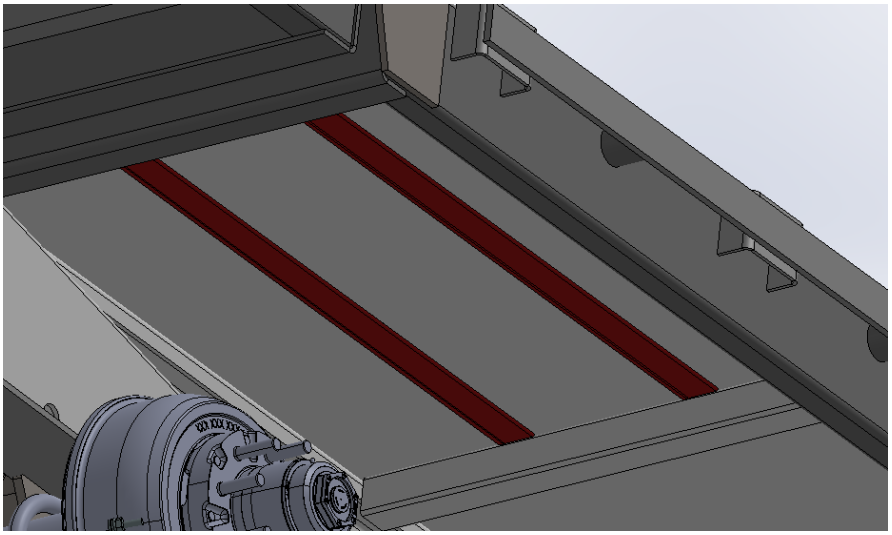
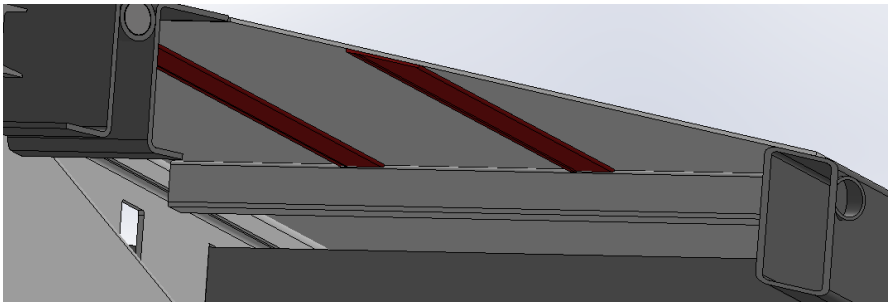


Figure 3.2 *View from the front looking towards the tail.*



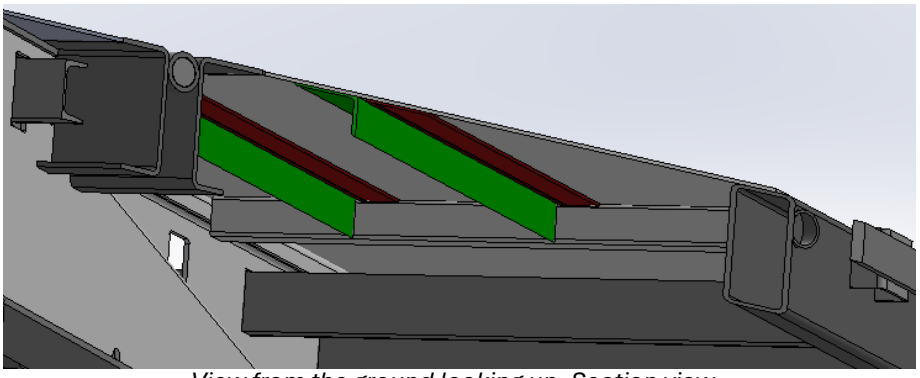
View from the ground looking up.

Figure 4.1



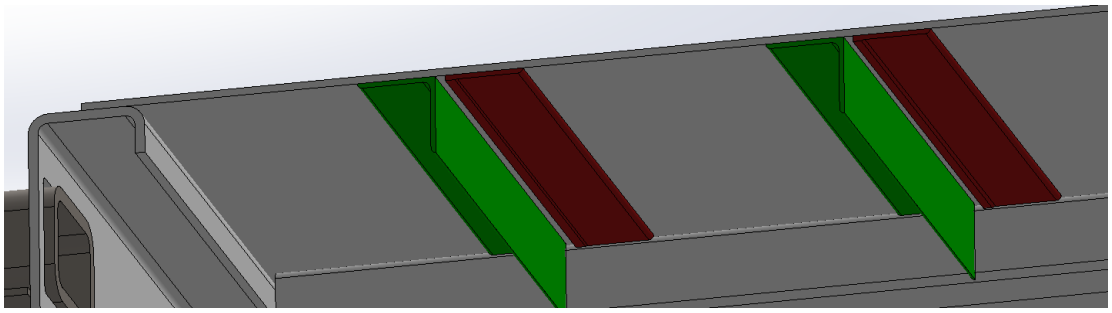
View from the ground looking up. Section view.

Figure 4.2



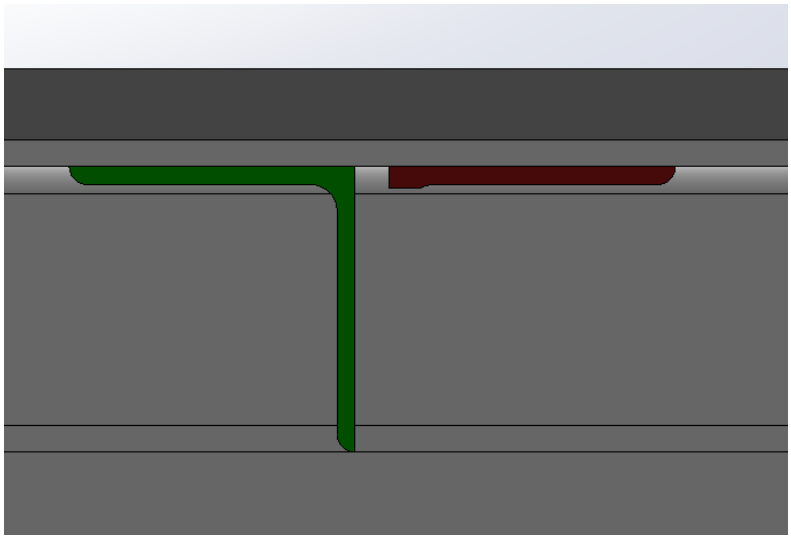
View from the ground looking up. Section view.

Figure 5.1



View from the ground looking up.

Figure 5.2



Cross sectional view.

Figure 5.3