

East Manufacturing Corporation

1871 State Route #44 PO Box 277 Randolph OH 44265

T 330-325-9921 F 330-325-7851

www.eastmfg.com



TECHNICAL BULLETIN 21-02

Composilite EXF Lift Axle Hanger Inspection

SUBJECT: Lift Axle Weld Cracks

DATE: October 2021 REV: A

INSPECTION PROCEDURE

REASON FOR THIS INSPECTION

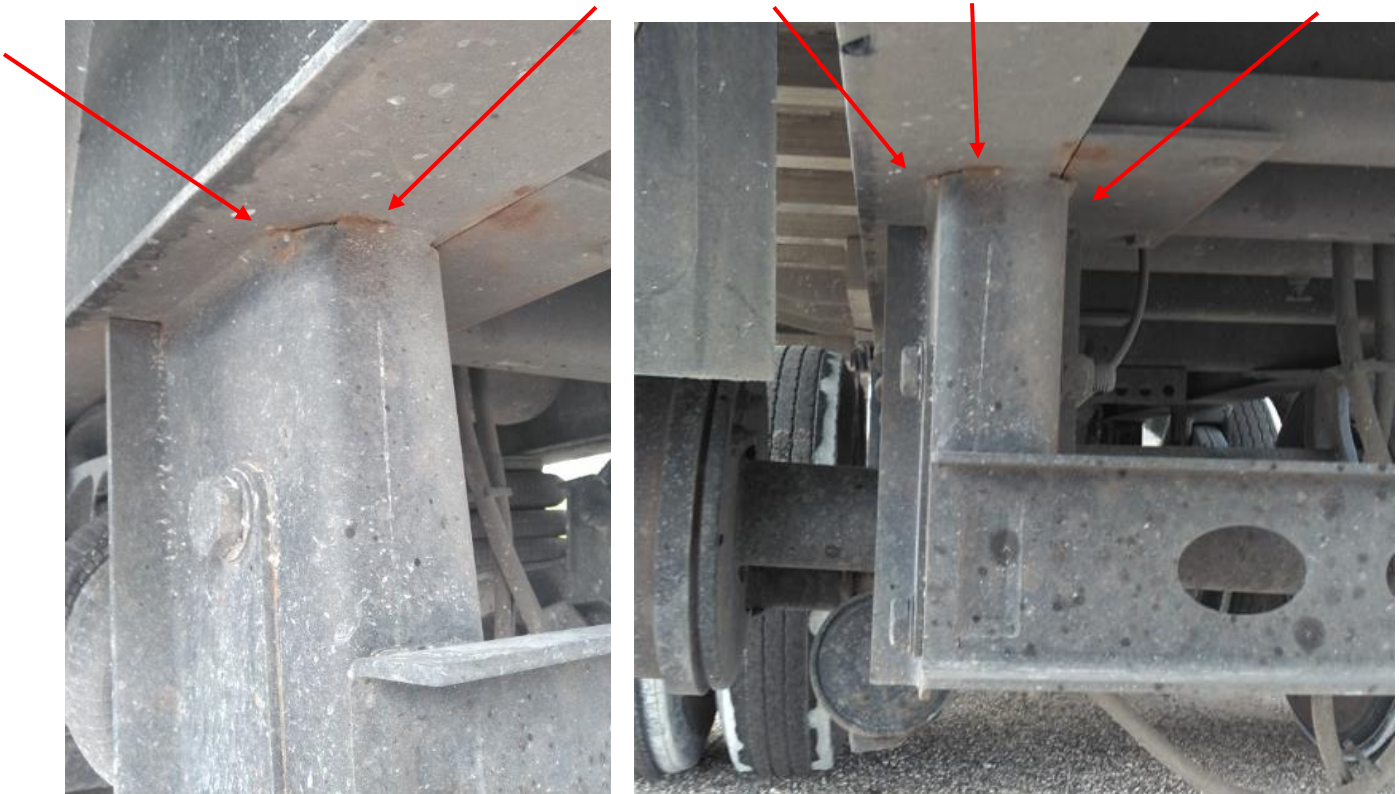
East Manufacturing Corporation has decided the weld placement may not be of adequate strength for our standards and quality expectations with regards to the Composilite EXF lift axle hangers on steel frame dump trailers.

Impacted Products:

Steel Frame Dump Trailers with build dates from 7/19/2019 to 8/23/2021, a front Composilite EXF lift axle and suspension crossmember spacing of 6 5/8" above this axle.

Problem Description:

It is possible for the welds to crack around the front side of the lift axle suspension hangers where they are welded to the bottom of the frame flange and mounting plate. If the weld cracks are not caught during **normal monthly inspections** and maintenance, the cracks can propagate into a larger problem and premature wear.



WHAT WE WILL DO

East Manufacturing Corporation will voluntarily remedy this defect at no charge to the trailer owner by adding additional support to the mounting area, as well as having the welds inspected and repaired as needed.

WHAT YOU SHOULD DO

When an impacted steel frame dump trailer with a front Composilite EFX lift axle comes in for service work, please check the welds on the suspension hangers for signs of cracks and distortion of the inside mounting plate.

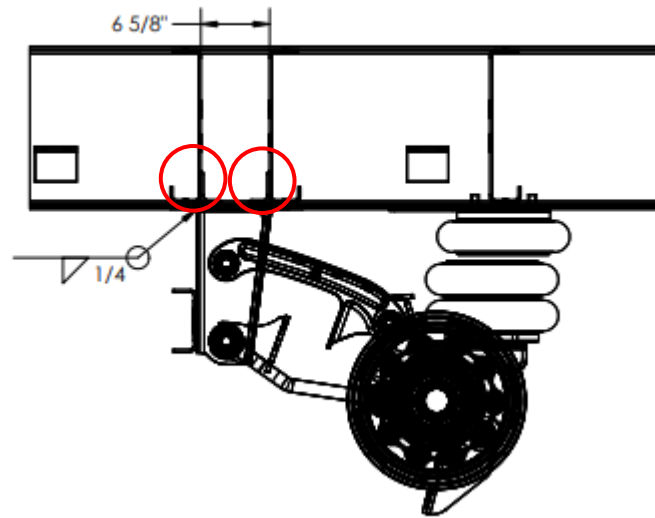
Inspect the inside mounting plate (PN# 030-10048-00) for signs of damage (i.e., bending, distortion, warping).

- 1) If the inside mounting plate is not flat within 3/16", it will need replaced. Follow **Repair Option A** below.
- 2) If the inside mounting plate is flat within 3/16", but the hangers welds show cracks, follow **Repair Option B** below.
- 3) If the inside mounting plate is flat within 3/16" and there are no signs of weld cracks, **no further action is needed.**

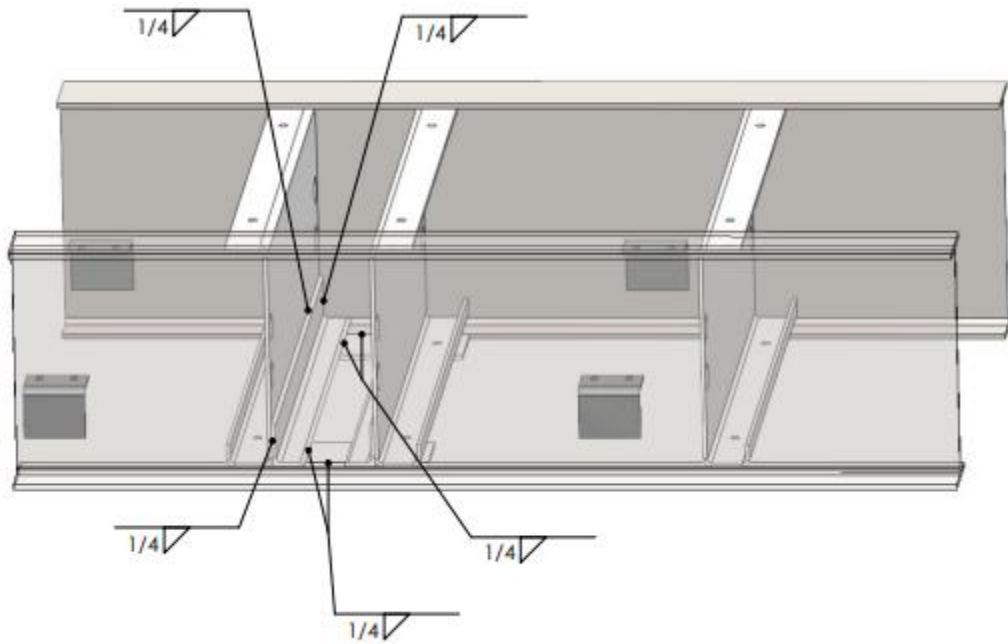
Repair Option A

- 1) Remove the inside mounting plate (PN# 030-10048-00) by removing the weld between the suspension hanger and the inside mounting plate.
- 2) Unbolt the inside mounting plate from the frame crossmembers and remove.
- 3) Slide the new inside mounting plate into position and bolt to the frame crossmembers.
- 4) Weld the suspension hanger to the inside mounting plate, making sure to stop and start your welds at least a 1/2" from the ends of the parent materials.
- 5) Remove any cracked existing welds, one at a time, and reweld the suspension hanger to the frame flange, one weld at a time.
- 6) Add two front hanger reinforcement angles (PN# 010-10333-00) to the insides of the frame crossmembers. (Reference drawing 1 below)
- 7) Weld both reinforcements in place using the weld pattern in drawing 2 below.
- 8) Touch up paint in any areas with new welds.

Drawing 1



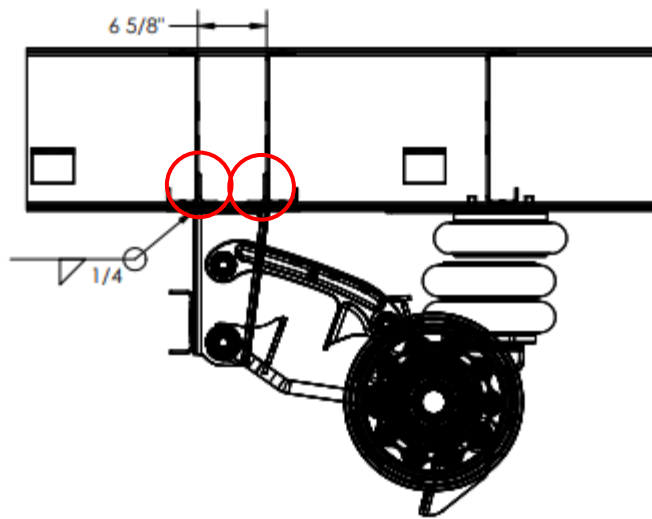
Drawing 2



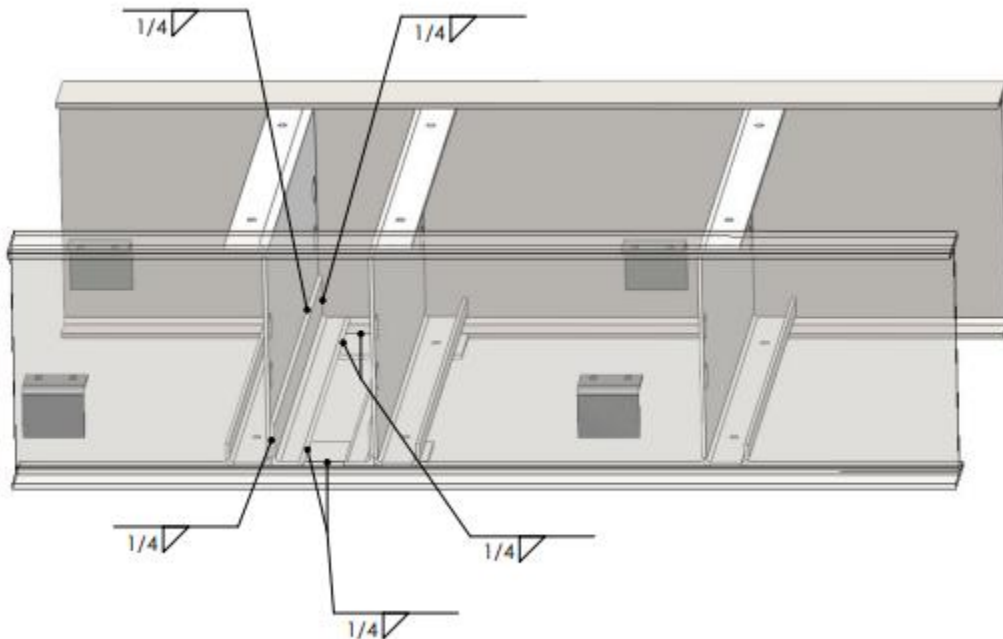
Repair Option B

- 1) Remove any cracked existing welds, one at a time, and reweld the suspension hanger to the frame flange, one weld at a time.
- 2) Add two front hanger reinforcement angles (PN# 010-10333-00) to the insides of the frame crossmembers. (Reference drawing 4 below)
- 3) Weld both reinforcements in place using the weld pattern in drawing 5 below.
- 4) Touch up paint in any areas with new welds.

Drawing 4



Drawing 5



Please file a claim online for each VIN number repaired, including pictures as required.

Parts will be supplied at no cost to the customer; Repair Option A will pay 4 hours of labor and Repair Option B will pay 2.5 hours of labor.

HOW TO CONTACT US

Please call with any questions you may have about this technical service bulletin. I can be reached at telephone number 330-325-8218 or e-mail jzambo@eastmfg.com.

This repair will not affect the trailer's remaining warranty coverage.

Sincerely,

John Zambo

John Zambo
Director of Engineering
East Manufacturing Corporation