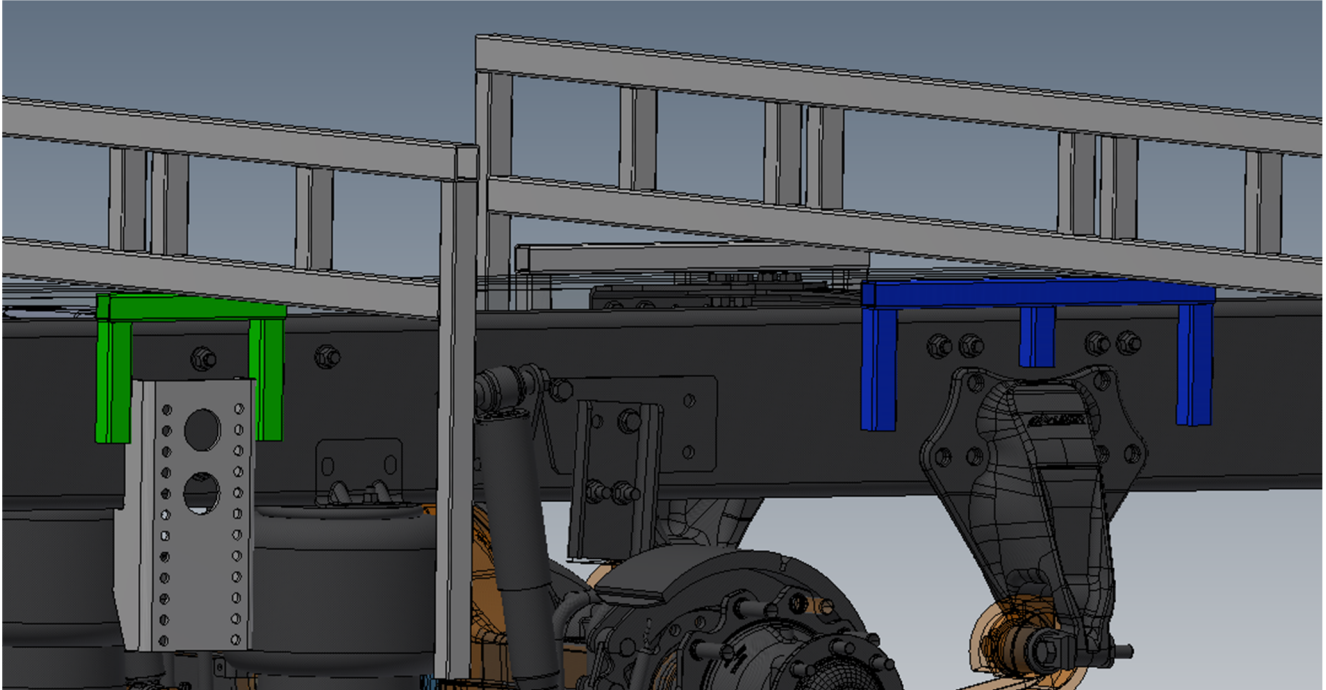


Dynamax Freightliner M2

Failed Truss Mount Suggested Repair

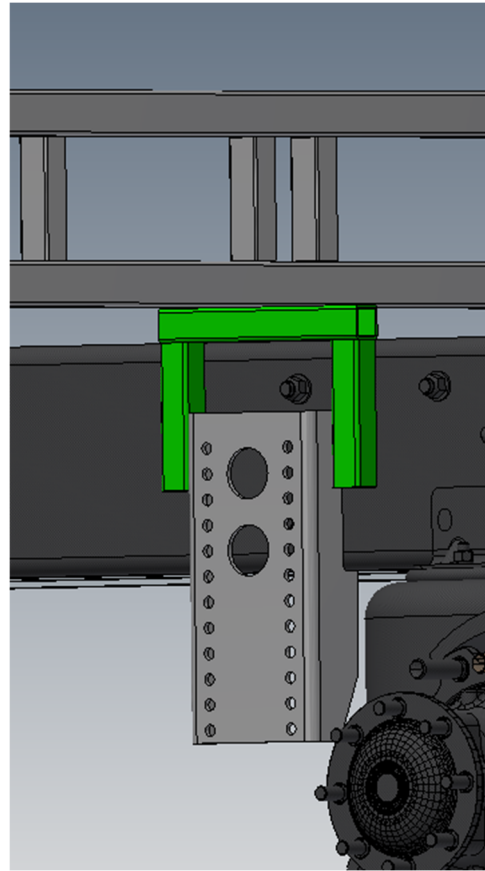
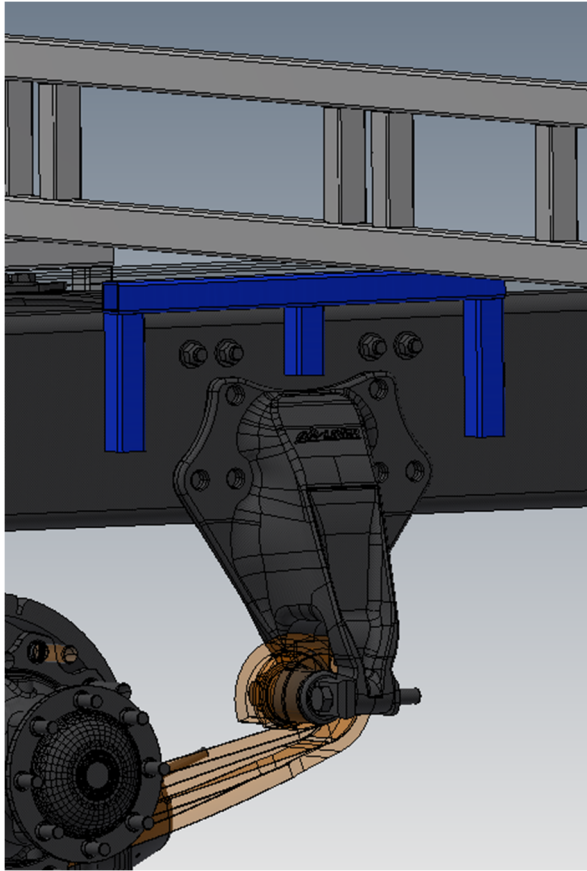
02/02/2024



1. Old truss mounts will need to be removed from the unit.



2. It is recommended that 1.5" x 1.5" x 11ga structural steel tubing be used as the new truss supports. Each unit is slightly different depending on hardware placement on the chassis rail, how the storage boxes hang, etc. The length of the tubing will need to be determined at the time of the repair. The cross tube needs to be long enough to clear any interference on the chassis rail. An "E" style of mount (shown in blue) is suggested for spanning the leaf spring shackle in front of the rear axle. The same "E" style mount could be used behind the axle, but a "U" shaped mount (shown in green) will also be effective since the cross tube does not need to be as long to clear interferences on the chassis rail. See images below for reference. The vertical legs of the new truss mount will extend down the chassis frame rail and allow for weld attachment to the frame. The horizontal tube will be the new resting point for the truss.



To fit the new truss mounts in place, it might be necessary to weld one (or two depending on which style is used) of the vertical legs in place after the rest of the truss mount is installed. Additional material might be necessary to complete the repair.

3. To secure the truss mounts to the frame rail, it is recommended that the vertical tubes be welded using full seam welds where possible. In locations where the “E” shaped truss mount is used, weld the middle leg to the frame rail as well. Use best judgement when welding near hardware on the frame rail. To secure the new truss mounts to the truss, it is recommended that it be welded on three seams. See images below for reference.

