



## Diversified Metal Fabricators Service Bulletin SB 2064

<b>Title</b>	Axle Bracket Reinforcement - RW-1015
<b>Document No.</b>	SB2064 Rev A
<b>Issue Date</b>	09/15/2011 (BJF) – Added welding notes regarding axle bracket to axle tube
<b>Release</b>	General
<b>Units Affected</b>	RW-1015 units manufactured before August 9 <sup>th</sup> , 2011
<b>Purpose</b>	Provide guidance on identifying and reinforcing axle brackets on affected RW-1015 Railgear

### Identification:

RW-1015 units manufactured before August 9<sup>th</sup>, 2011 were built with axle brackets that have notches that increase the chance of a fatigue crack forming in the component (see Figure 1). Each unit manufactured before that date should be inspected for cracks in the region near the notch. If no cracks are present, see below for a repair procedure that can be performed when the truck receives its next annual FRA inspection. DMF part number 600293 is a kit that includes all the required hardware to perform the repair and is available thru DMF's parts department (404-607-1684).

If cracks are present, both axle brackets on the affected axle must be replaced before using the Railgear. The axle brackets are part numbers 600210 and 600286 for the front axle, and 600214 (quantity 2) for the rear axle.

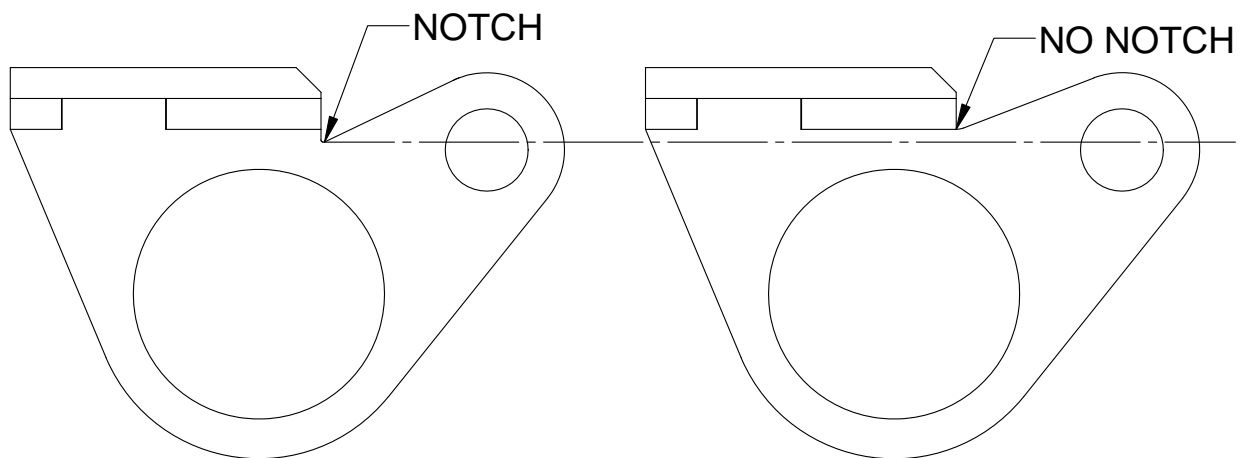


Figure 1: RW-1015 Axle Bracket with notch (Left) and without notch (Right)

### Repair (for axle brackets with no cracks present):

Front:

1. Lower the front Railgear until the railwheels just touch the ground.



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2. Note the length of the rubber suspension bushings and then remove the driver and passenger side bolts that hold those bushings in place.
3. Remove the axle pivot pins and pull the Railgear axle out from under the truck.
4. Grind the pin stops off of both axle brackets to make clearance for the reinforcement plates.
5. Use the axle pivot pins supplied with the kit to help locate the reinforcement plates and then weld them around fully (see Figure 2 below). Do not attach the ground lead for the welder to a railwheel.
6. Reinstall the axle.

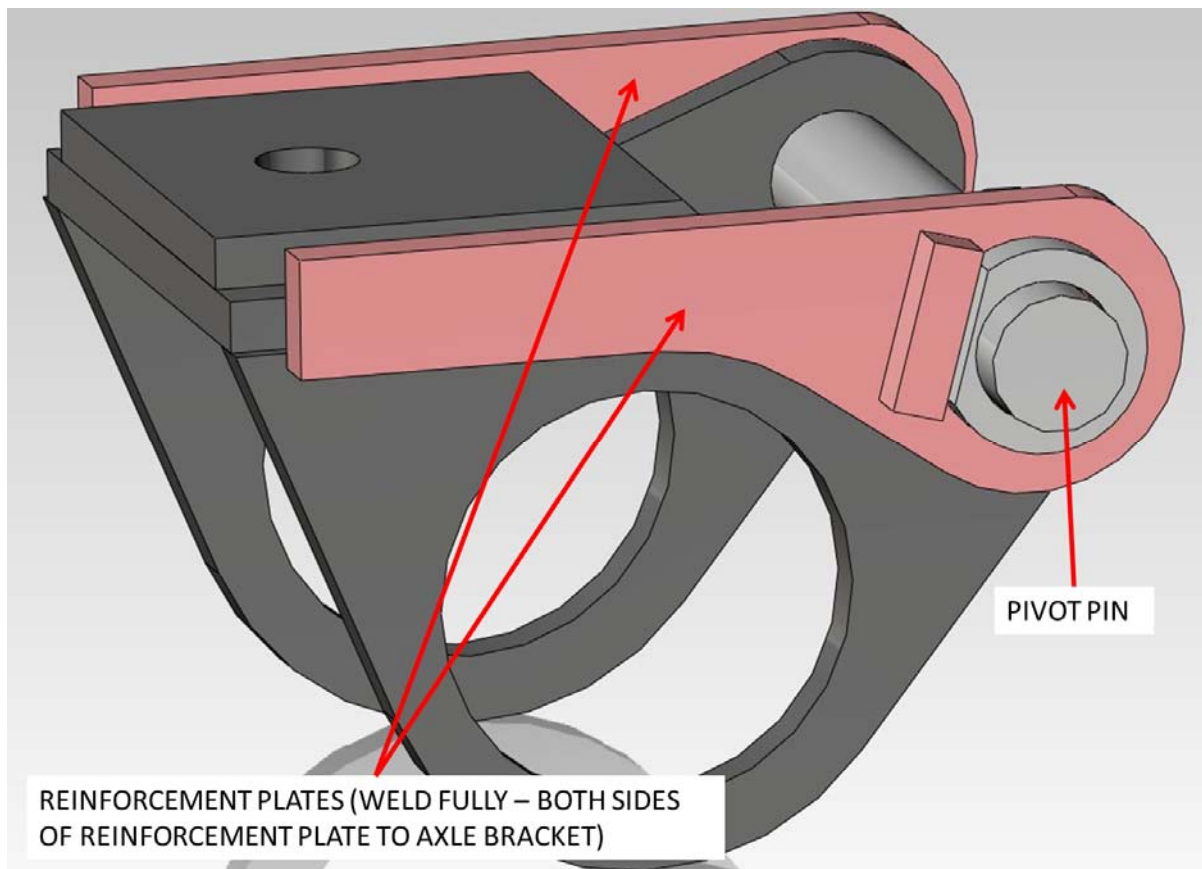


Figure 2: Front Axle Bracket with Reinforcement Plates

### Rear:

1. Lower the rear Railgear until the railwheels just touch the ground.
2. Note the length of the rubber suspension bushings and then remove the driver and passenger side bolts that hold those bushings in place.
3. Remove the axle pivot pins and pull the Railgear axle out from under the truck.
4. Install the reinforcement plate as shown in Figure 3 below. Weld the top and bottom edges against the pivot tube. Also weld both lap joints between the reinforcement plate and the plate that the rubber suspension rests on. Do not attach the ground lead for the welder to the railwheel.
5. Reinstall the axle.

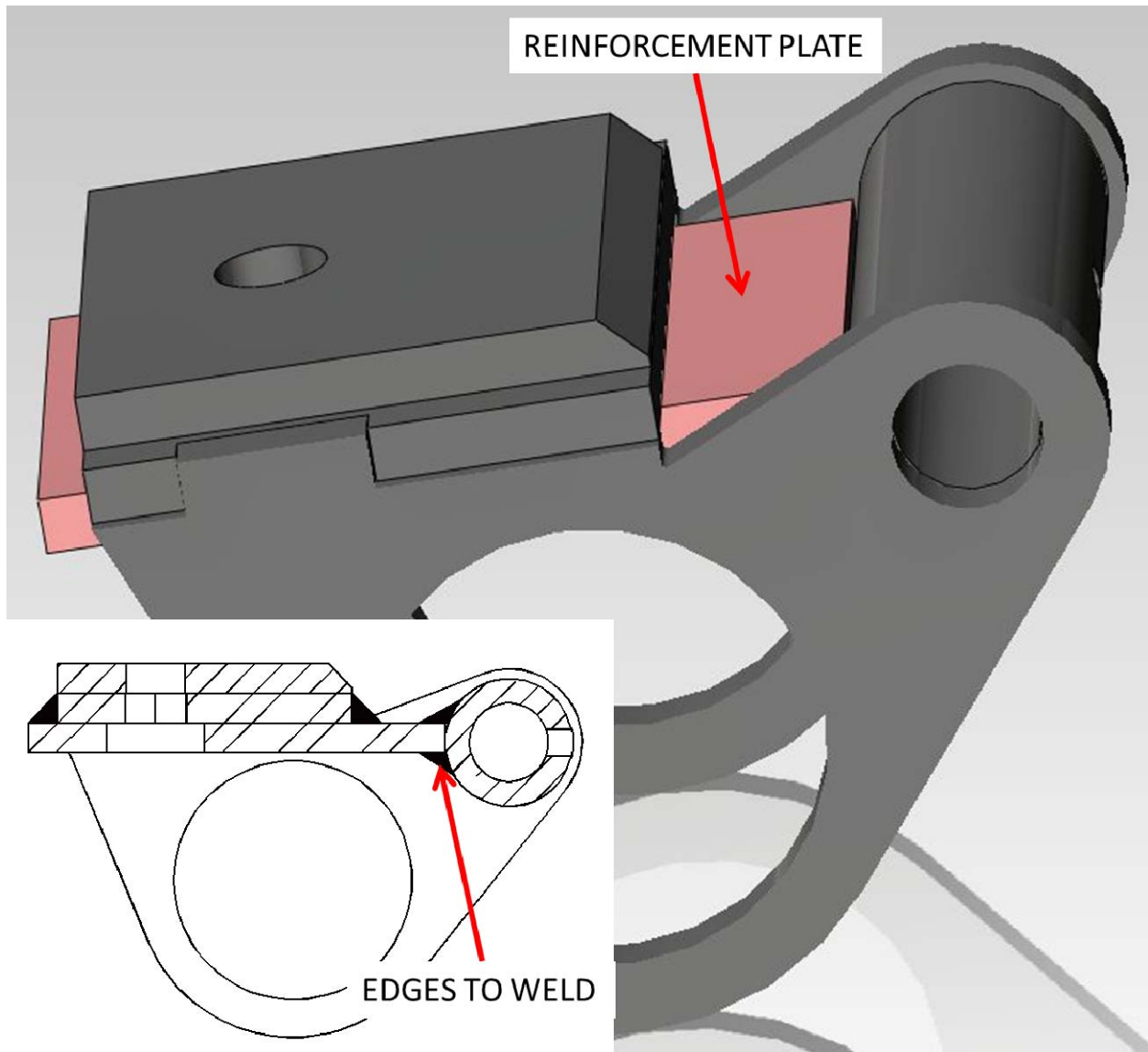


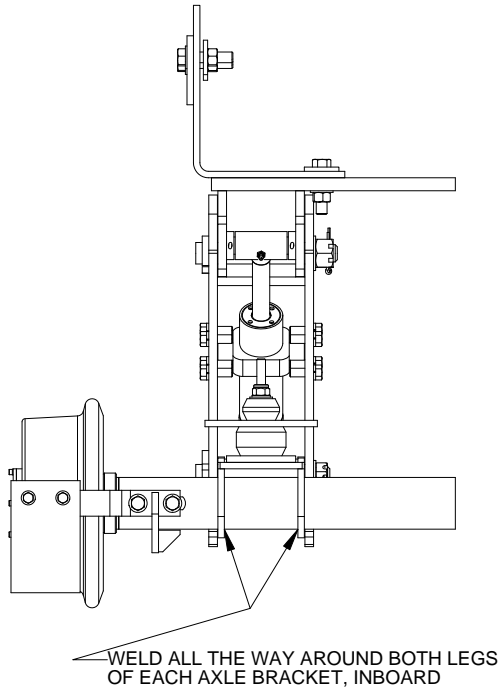
Figure 3: Rear Axle Bracket with Reinforcement Plate

**Final Steps:**

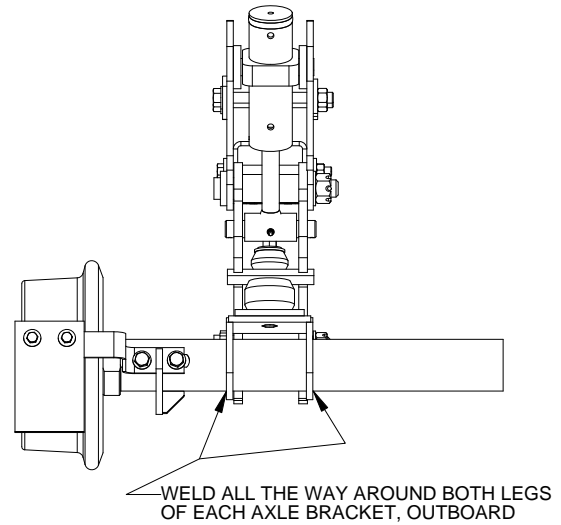
1. After the front and rear reinforcement plates are installed, perform a Railgear alignment and set the railwheel loads.
2. Then rail test the truck.
3. Finally, ensure that all the axle brackets are welded to the axle tube as shown in Figure 4, below.



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### REAR RAILGEAR



### FRONT RAILGEAR

Figure 4: Axle Bracket To Axle Tube Welding Instructions

DMF will replace defective parts under DMF's warranty terms. DMF may require the return of affected parts to determine coverage.

#### Diversified Metal Fabricators

Phone: (404) 875-1512

Email: [info@dmfatlanta.com](mailto:info@dmfatlanta.com)

Web: [www.dmfatlanta.com](http://www.dmfatlanta.com)