



# Diversified Metal Fabricators Technical Reference Bulletin TRB0007

<b>Title</b>	Inspection of Swing Frame
<b>Document No.</b>	TRB0007 Rev #
<b>Issue Date</b>	10/06/2014 (JDI)
<b>Release</b>	General
<b>Units Affected</b>	RW-1013 & RW-1013HD
<b>Purpose</b>	Inspection and Service of Rust

### Identification:

RW-1013/1013HD swing frame assemblies (front and rear) were built with either plastic or welded end caps to stop water and other debris from entering the rectangular cross beam and prevent rust from forming.

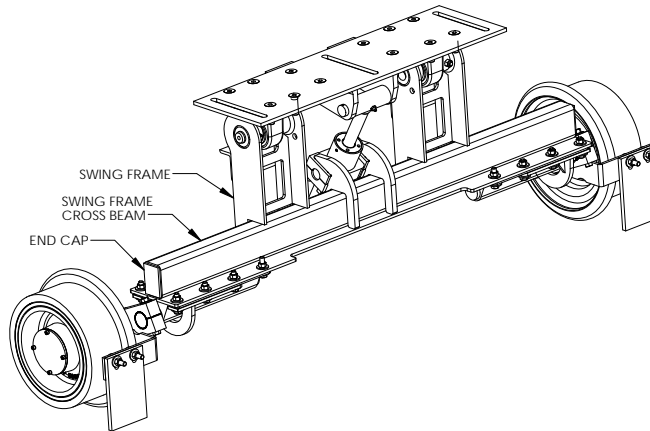


Figure 1. Swing Frame (RW-1013HD Rear Shown)

### Process:

As a part of the daily inspection of the railgear, the swing frames should be inspected to make sure there is an end cap on each end of the swing frame. If any are not present, further inspection is needed of the swing frame cross beam. The inside of the swing frame cross beam should have minimal to no rust present. If the swing frame cross beam inside has deep pitting or rust flakes (as shown in figure 2) the entire swing frame needs to be replaced. Contact DMF parts department for replacement parts. Please be sure to have serial number or unit number available.



Figure 2. Rusted Swing Frame Cross Beam



## Diversified Metal Fabricators Technical Reference Bulletin TRB0007

If the swing frame has plastic end caps, DMF recommends welding metal end caps to the cross beam to permanently seal the swing frame. Before welding, inspect the inside of the cross beam as mentioned above. Figure 3 shows the recommended steel end cap dimensions for sealing the swing frame.

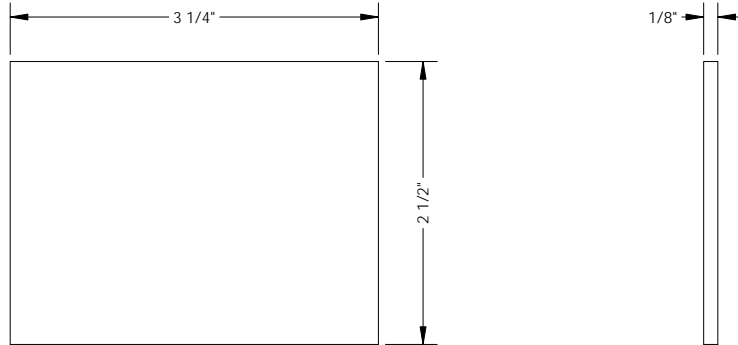


Figure 3. Recommended Steel End Cap Dimensions (DMF #602023)

Install metal end caps over ends of swing frame cross beam and weld end caps all the way around as shown in figure 4.

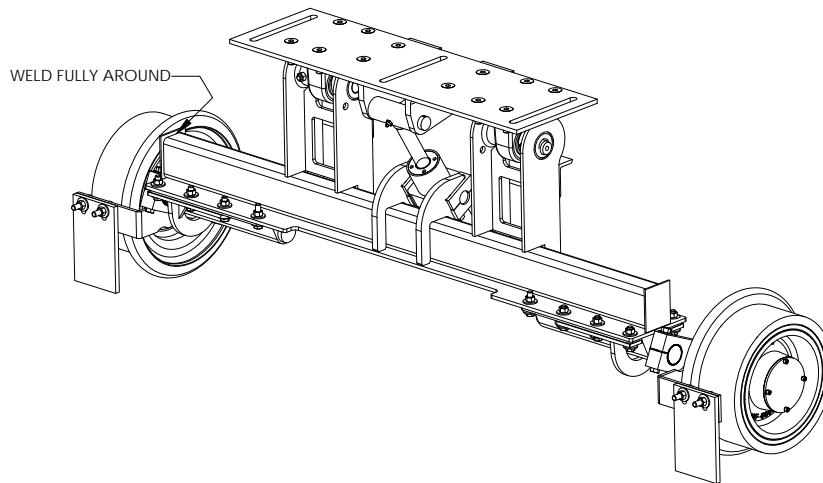


Figure 4. Swing Frame Metal End Cap Welding

### Common Swing Frame Assemblies

Front:

Year	Railgear	Description	DMF Part #
2008+	RW-1013	Short Swing Arm Frame (6")	518006
2008+	RW-1013HD	Short Swing Arm Frame (6")	518005

Rear:

Year	Railgear	Description	DMF Part #
All	RW-1013	Tall Swing Arm Frame (10-3/4")	518003
2008+	RW-1013HD	Tall Swing Arm Frame (10-3/4")	518002

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)