



## Diversified Metal Fabricators Technical Reference Bulletin TRB0008

<b>Title</b>	International 4000 Series "Low Profile" Front Railgear Installation
<b>Document No.</b>	TRB0008 Rev #
<b>Issue Date</b>	05/08/2015 (TAM)
<b>Release</b>	General
<b>Units Affected</b>	RW-1420 Installations (Typical)
<b>Purpose</b>	Additional Installation Detail

### Identification:

Due to extremely low frame heights, upfits on International 4000 Series "Low Profile" chassis with 19.5 tires require additional attention during installation of the front Railgear. Following the guidelines below will help to maximize ground and radiator clearances when installing Railgear on this chassis configuration. **In most cases, it will be necessary to block the front truck axle down ~1" to achieve the recommended clearances.**

Front Railgear for this chassis is typically shipped with long arms with a weld-on reinforcement plate and large radiator clearance notch as shown in Figure 1.

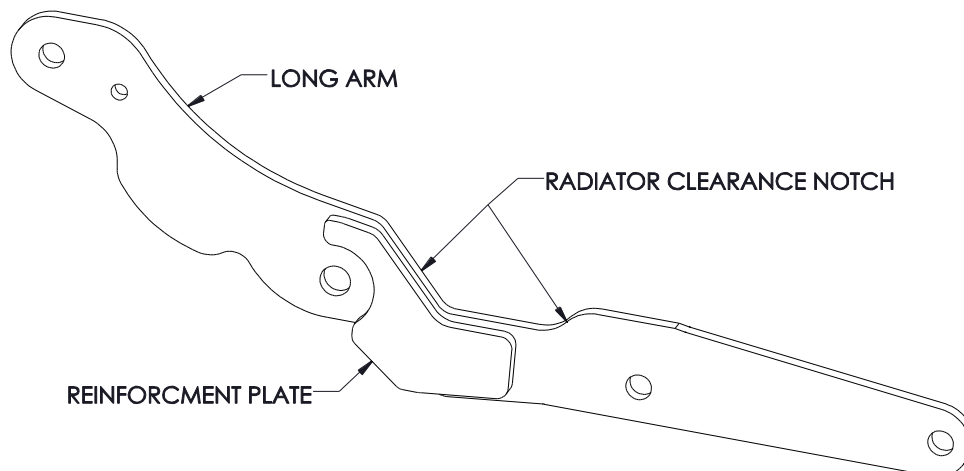


Figure 1. Typical "Low Profile" Long Arm Assembly

### Process:

The front Railgear should be installed with the radiator clearance notch in the long arms centered below the radiator, with at least 2" of clearance when in the highway position (see Figure 2), to prevent radiator damage during suspension movement. This will typically require the following:

- Blocking down front truck axle ~1".
- Installing spring hangers ~6" from front axle. See Figure 3.
- Pin heights of ~11" (rear) and ~23.5" (front). See Figure 4.
- Reworking of factory front frame extensions in accordance with industry best practices.
- Circular notch in passenger side frame extension for wheel clearance. May also be required in driver side depending on radiator size. See Figure 5.



Figure 2. Long Arm Position and Radiator Clearance

To achieve the recommended installation position and radiator clearance, it is typically necessary to install the spring hangers onto the truck leaf springs ~6" in front of the truck front axle.



Figure 3. Typical Spring Hanger Location

The front and rear pin heights should be adjusted to meet the guidelines shown in Figure 4.

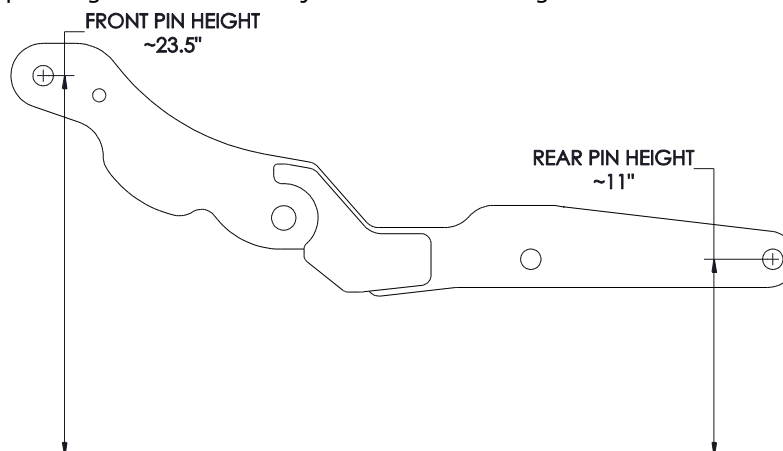


Figure 4. Typical Front and Rear Pin Heights



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A circular notch as shown in Figure 5 may be required in the passenger side frame extension to allow for wheel clearance in the stowed position



Figure 5. Circular Frame Extension Notch

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

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