



OPERATION, SERVICE AND PARTS OF REAR MOUNTING KIT

SAFETY PRECAUTIONS

If any operating, services or parts problems are encountered, please call G&B Specialties, Inc. for technical assistance.



- Failure to heed to any of the following warnings could result in severe bodily injury and/or equipment damage.
- Read and understand this manual completely before attempting operation of the railgear-equipped vehicle.
- Operating instructions provided below only address the Rafna railgear equipment. Applicable railway company procedures and policies must be adhered to.
- Railway company rules governing rail travel must be observed at all times.
- Before performing any work under the vehicle or railgear, ensure the engine is turned off and the parking brake is set.
- Never operate the vehicle if the Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Rating Front or Rear (GAWR), or the wheel or tire load ratings are exceeded.



OPERATION OF REAR MOUNTING KIT

With the rear mounting kit installed on this vehicle, it may be operated as normal, however the rear bumper is located further reward than standard. Caution must be used when operating the vehicle.

Never operate the vehicle if the Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Rating Front or Rear (GAWR), or the wheel or tire load ratings are exceeded.

SERVICE OF REAR MOUNTING KIT

The rear mounting kit must be serviced regularly to avoid damage to the equipment. Table 1 below provides the Recommended Service Schedule and Table 2 provides Standard Fastener Torque Values.

Table 1: Recommended Service Schedule

Service Required	Initial 100 km (62 Miles) of road and/or rail use	Daily	Weekly	Monthly
Inspect rear mounting kit fasteners (re-torque if required)		✓	✓	✓

Table 2: Standard Fastener Torque Values

Fastener Size	Fastener Torque Value (ft-lbs) Dry
1" UNC Gr. 8 Fasteners	250
3/4" UNC Gr. 8 Fasteners	175
5/8" UNC Gr. 8 Fasteners	150
1/2" UNC Gr. 8 Fasteners	100
3/8" UNC Gr. 8 Fasteners	40
1/4" UNC Gr. 8 Fasteners	12



PARTS OF REAR MOUNTING KIT

NOTES:
1. LEFT SIDE SHOWN

WEIGHT (LBS):

Rev	CHANGE	BY	DATE
	RAFNA INDUSTRIES LTD		
A Global Railway Industries Company 1900 Clark-Graham, Baie d'Urfe, Quebec Tel: (514) 457-4373 Fax: (514) 457-3567			
REAR MOUNTING KIT			
TOLERANCE (UNLESS SPECIFIED): IAPR DATE:			
3 DECIMAL PLACES .0001"			
2 DECIMAL PLACES .0050"			
1 DECIMAL PLACE .0500"			
ANGULAR DIMENSIONS ±1°			
ALL DIMENSIONS SHEET UNLESS OTHERWISE SPECIFIED			
AREA IN INCHES 1 OF 1			

TOWARDS REAR OF VEHICLE

ITEM	PART No.	DESCRIPTION	QTY
1	R-1832L	REAR MOUNTING BRACKET - LEFT SIDE	1
2	R-1832R	REAR MOUNTING BRACKET - RIGHT SIDE (NOT SHOWN)	1
3	R-1828	BUMPER EXTENSION	2
4	R-1794-1	RAILGEAR MOUNTING SHIM - 0.25" THICK (USE AS REQUIRED)	4
5	R-1794-2	RAILGEAR MOUNTING SHIM - 0.375" THICK (USE AS REQUIRED)	4
6	R-1794-3	RAILGEAR MOUNTING SHIM - 0.5" THICK (USE AS REQUIRED)	4
7	-	1/2" UNC GR.8 BOLT X 4.5" LONG	6
8	-	1/2" GR.8 WASHER	12
9	-	1/2" UNC GR.8 NYLON INSERT LOCK NUT	6
10	-	VEHICLE FRAME	N/A

THIS DOCUMENT IS THE PROPERTY OF RAFNA INDUSTRIES LTD. IT IS LOANED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED IN ANY WAY AGAINST THE INTERESTS OF RAFNA INDUSTRIES LTD. IT IS TO BE RETURNED TO THE OFFICE OF ORIGIN AT THE END OF THE PROJECT EXCEPT WITH PRIOR WRITTEN CONSENT OF RAFNA INDUSTRIES LTD.