



OPERATION, SERVICE AND PARTS OF FRONT MOUNTING KIT

SAFETY PRECAUTIONS

If any operating, service 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 Industries 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 FRONT MOUNTING KIT

With the front mounting kit installed on this vehicle, it may be operated as normal, however the front bumper is located further forward than standard. Side wands are located on the front bumper to aid in determining the length and width of the vehicle. 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 FRONT MOUNTING KIT

The front 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

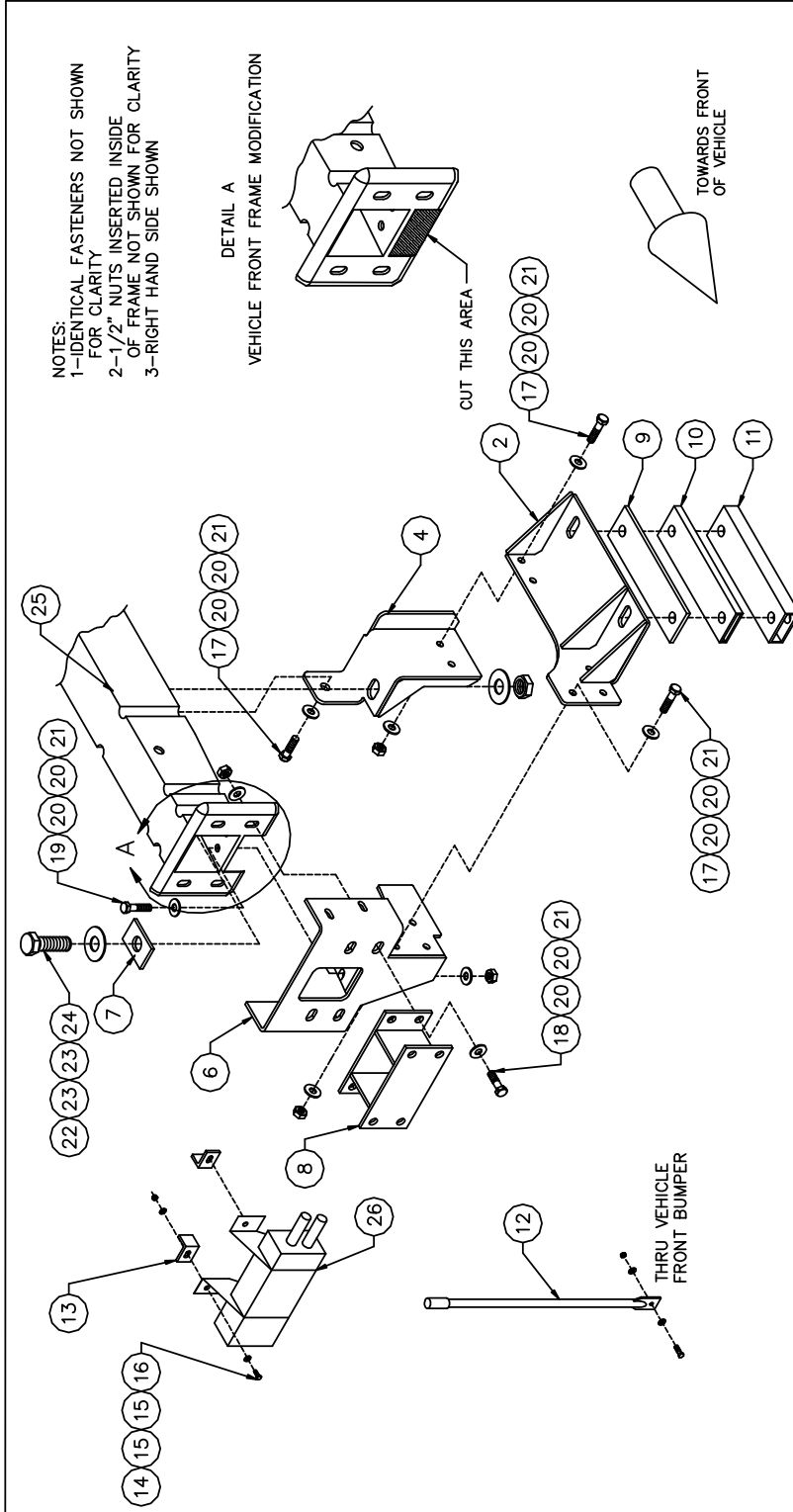
Service Required	Initial 100 km (62 Miles) of road and/or rail use	Daily	Weekly	Monthly
Inspect front mounting kit fasteners (re-torque if required)		✓	✓	✓

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 FRONT MOUNTING KIT



RAFNA INDUSTRIES LTD 1000 PAVILLON ST BAIE D'URFÈ, QUÉBEC (514) 457-4373
DESCRIPTION: FRONT MOUNTING KIT
REFERENCE:
MATL:
P/N: K-M29RXFF003 DATE: MAY 11/04
DRAWN: MER APPR:
DIM: INCHES SCALE: 1:1
SHEET: 1 OF 1 DWG#-M29RXFF003

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	R-2952D	MOUNTING ADAPTER LEFT SIDE (NOT SHOWN)	1	14	-	1/4" UNC GR.8 BOLT X 1" LONG	2
2	R-2952P	MOUNTING ADAPTER RIGHT SIDE	1	15	-	1/4" SAE WASHER	4
3	R-2953P	REARWARD FRONT MOUNTING PLATE LEFT SIDE (NOT SHOWN)	1	16	-	1/4" UNC GR.3 NYLON INSERT LOCK NUT	2
4	R-2953P	REARWARD FRONT MOUNTING PLATE RIGHT SIDE	1	17	-	1/2" UNC GR.8 BOLT X 1.75" LONG	12
5	R-2954D	FORWARD FRONT MOUNTING PLATE LEFT SIDE (NOT SHOWN)	1	18	-	1/2" UNC GR.8 BOLT X 2" LONG	8
6	R-2954P	FORWARD FRONT MOUNTING PLATE RIGHT SIDE	1	19	-	1/2" UNC GR.8 BOLT X 2.25" LONG	6
7	R-2956	FRAME WASHER	2	20	-	1/2" GR.8 WASHER	52
8	R-2957	FRONT BUMPER EXTENSION	2	21	-	1/2" UNC GR.8 NYLON INSERT LOCK NUT	26
9	R-2960	RAILGEAR MOUNTING SHIM - 1/2" THICK (USE AS REQUIRED)	4	22	-	1" UNC GR.8 BOLT X 2.5" LONG	2
10	R-2960A	RAILGEAR MOUNTING SHIM - 1" THICK (USE AS REQUIRED)	2	23	-	1" GR.8 WASHER	4
11	R-2631	RAILGEAR MOUNTING SHIM - 2" THICK (USE AS REQUIRED)	2	24	-	1" UNC GR.8 NYLON INSERT LOCK NUT	2
12	R-051	SIDE WAND SET W/ FASTENERS	1	25	-	VEHICLE'S FRAME	N/A
13	R-2848A	POWER STEERING COOLER BRACKET	2	26	-	POWER STEERING COOLER	N/A