



OPERATION, SERVICE AND PARTS OF ROAD WHEELS AND TIRES

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 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.
- This vehicle has an increased turning radius and decreased stability and braking ability. Use caution when operating both on road and rail.
- Following the first 100 km (62 Miles) of road and rail travel, the road wheel and spacer nuts must be re-torqued. Refer to the service section of this manual for the procedure.
- 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.
- Note that the vehicle is approximately 100” wide at the rear dual tires. This may restrict the vehicle’s use on certain roads depending on local, state, provincial, and/or federal regulations.



OPERATION OF ROAD WHEELS AND TIRES

With the road wheels and tires installed on this vehicle, it may be operated as normal, however caution must be used as the vehicle now has an increased turning radius and decreased stability and braking ability both on road and rail. Also, note that the vehicle is approximately 100” wide at the rear dual tires. This may restrict the vehicle’s use on certain roads depending on local, state, provincial, and/or federal regulations.

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 ROAD WHEELS AND TIRES

The road wheels and tires must be serviced regularly to avoid damage to the equipment. Table 1 below provides the Recommended Service Schedule.

If ever vibrations are felt through the vehicle, inspect the balance and alignment of the road wheels and tires.

If ever the wheels or spacers are removed, torque the wheel disk lock nuts and spacer lug nuts again as described below after 100 km (62 Miles) of road and/or rail travel.

Table 1: Recommended Service Schedule

Service Required	Initial 100 km (62 Miles) of road and/or rail use	Daily	Weekly	Monthly
Ensure vehicle is in good operating condition as per Mfg. Spec.		✓	✓	✓
Check and adjust tire pressure as per manufacturer’s specification		✓	✓	✓
Torque wheel disk lock nuts and spacer lug nuts (see procedure below)	✓		✓	✓

Wheel disk lock nut and spacer lug nut torque procedure:

1. Start with one wheel of the vehicle.
2. Without loosening any spacer retaining lug nuts, torque the spacer retaining lug nuts to 165 ft-lbs dry or the hub extender nuts to 130 ft-lbs dry as per the torque sequence provided. Do not over torque.
3. Without loosening any wheel disk lock nuts, torque the wheel disk lock nuts to 400 ft-lbs dry as per the torque sequence provided. Do not over torque.



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4. Repeat for the remaining wheels.



PARTS OF ROAD WHEELS AND TIRES

NOTE:
1- IDENTICAL FASTENERS NOT SHOWN FOR CLARITY

FRONT WHEELS

REAR WHEELS

8 - STUD LUG NUT TORQUE SEQUENCE

10 - STUD LUG NUT TORQUE SEQUENCE

ITEM	PART NO.	PART DESCRIPTION	QTY
1	R-4882	22.5" X 8.25" ACCURIDE RIM	6
2	R-4883	FRONT WHEEL SPACER ASSEMBLY	2
3	R-4884	REAR WHEEL SPACER ASSEMBLY	2
4	R-4881	DISK LOCK NUT M22X1.5	40
5	R-2426	FRONT TURNING STOP BLOCK (NOT SHOWN)	2
6	R-G1240T	GOODYEAR G124 285/70R22.5 TIRE (NOT SUPPLIED)	6
7	-	OEM WHEEL LUG NUT	N/A
8	-	OEM HUB	N/A
9	-	OEM WHEEL STUD	N/A
10	-	OEM HUB EXTENDER LUG NUT	N/A

RAFNA INDUSTRIES LTD.
19300 CLARK-GRAHAM
BAIE D'URFE, QUEBEC
(514) 457-4373

DESCRIPTION: WHEEL KIT
REFERENCE:
MAT'L:
P/N: K-W450TF001 DATE: FEB 24/04
DRAWN: MER APPR:
DIM: INCHES SCALE: 1:1
SHEET: 1 OF 1 DWG#-K-W450TF001