



**OPERATION, SERVICE AND PARTS
OF FRONT MOUNTING KIT
2008 FORD F-250/350 4X2**

SAFETY PRECAUTIONS

If any operating, services or parts problems are encountered, please call G&B Specialties 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 62 miles (100 km) 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
1/2" UNC Gr. 2 Fasteners	35
3/8" UNC Gr. 8 Fasteners	40
1/4" UNC Gr. 8 Fasteners	12



Parts of Front Mounting Kit

ITEM	DESCRIPTION
1	R-11120D-A MOUNTING BRACKET, DRIVERS SIDE
2	R-11120P-A MOUNTING BRACKET, PASSENGERS SIDE
3	R-12009-A FRAME EXTENSION
4	R-11109 FRAME SPACER
5	R-2631 RAILGEAR MOUNTING SHIM, 2"
6	R-2960 RAILGEAR MOUNTING SHIM, 1/2"
7	R-11127 RAILGEAR MOUNTING SHIM, 1/8"
8	R-11128 RAILGEAR MOUNTING SHIM, 1/4"
9	H.H.C.S 5/8"-11 x 6.00" Lg., GR.8
10	F WASHER 5/8" TYPE-A, GR.8
11	NYLOCK NUT 5/8"-11, GR.8
12	H.H.C.S 1/2"-13 x 2.00" Lg., GR.8
13	F WASHER 1/2" TYPE-A, GR.8
14	R-11120D UPPER SUPPORT BRKT, DRIVERS SIDE
15	R-11120P UPPER SUPPORT BRKT, PASSENGERS SIDE
16	F WASHER 3/8" TYPE-A, GR.8
17	NYLOCK NUT 3/8"-11, GR.8

REV	CHANGE	DATE	AML	BY	APPD
A	DRAWING RELEASED	4/23/07			

G & B SPECIALTIES INC.	
MANUFACTURER OF QUALITY RAILROAD PRODUCTS BERWICK, PENNSYLVANIA (570) 752-5901 FAX: (570) 752-6397	
DESIGN ~ ENGINEERING ~ MANUFACTURING	INSTALLATION
FRONT MOUNTING KIT	FRONT MOUNTING KIT
DATE DRAWN	DATE REVISED
SHEET	SHEET
PART NUMBER	PART NUMBER
MO-R29FRXF2X01-2	MO-R29FRXF2X01-4/2
1 OF 1	1 OF 1
REVISION	REVISION
A	A

DO NOT SCALE DRAWING		DIMENSIONS UNLESS OTHERWISE SPECIFIED	
		UNLESS OTHERWISE SPECIFIED	
		UNLESS OTHERWISE SPECIFIED	
TOLERANCE ON FINISHED DIMENSIONS	INCHES	DECIMALS	3 PLACE
BASIC DIMENSIONS	6 THICKS	FRACTIONS	1/2, 1/4, 1/8
ABOVE 6" TO 24"			
ABOVE 24"			
ANGULAR DIMENSIONS			



G&B Specialties, Inc.

A Global Railway Industries Company



Bulletin MO-R29FRXF2X01

PASSENGERS SIDE SHOWN
DRIVERS SIDE TYPICAL
ITEMS 8, 9, 10 & 11 ON PASSENGERS SIDE ONLY

REV	CHANGE	DATE	BY	APPD
A	DRAWING RELEASED	4/23/07	AWL	

	G & B SPECIALTIES INC. MANUFACTURER OF QUALITY RAILROAD PRODUCTS BERWICK PENNSYLVANIA (570) 752-5901 FAX (570) 752-6397
DESIGN ~ ENGINEERING ~ MANUFACTURING	INSTALLATION
FRONT MOUNTING KIT	REF: 2008 FORD F-250/350 4.2
DRAWING NUMBER MI-R29FRXF2X01-4	DATE DRAWY 4/23/06
SHEET 1 OF 1	REVISOR A

DO NOT SCALE DRAWING

TOLERANCE ON FINISHED DIMENSIONS UNLESS OTHERWISE SPECIFIED	R.A.S. FINISH (AS NOTED)	
	DECIMALS	FRACTIONS
BASIC DIMENSIONS	2 PLACE	3 PLACE
6 INCHES	±.02	±.006
ABOVE 6" TO 24"	±.03	±.010
ABOVE 24"	±.05	±.015
ANGULAR DIMENSIONS	±.1/2°	

BILL OF MATERIAL/PARTS LIST	
ITEM	DESCRIPTION
1	QTY 1 PART No. R-11136D MOUNTING BRACKET, DRIVERS SIDE (NOT SHOWN)
2	QTY 1 PART No. R-11136P MOUNTING BRACKET, PASSENGERS SIDE
3	QTY 1 PART No. R-26874L ALUMINUM FRONT BUMPER
4	QTY 8 PART No. F-H.C.5 1/2" UNC x 1.50" Lg., GR.8
5	QTY 16 PART No. F-WASHER 1/2" TYPE-A, GR.8
6	QTY 8 PART No. NYLOCK NUT 1/2" UNC, GR.8
7	QTY 1 PART No. R-051 SIDE WAND SET (NOT SHOWN)
8	QTY 1 PART No. F-H.C.5 1/4" UNC x 1.50" Lg., GR.8
9	QTY 2 PART No. F-WASHER 1/4" TYPE-A, GR.8
10	QTY 1 PART No. NYLOCK NUT 1/4" UNC, GR.8
11	QTY - PART No. - OEM HOOD RELEASE