

INSTALLATION OF R-230 REAR MOUNTING KIT 2005-2012 GMC CANYON/ CHEVROLET COLORADO

INSTALLATION SAFETY PRECAUTIONS

If any installation problems are encountered, please call G&B Specialties, Inc. for technical assistance before continuing with the installation process.



- 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 installation of the equipment.
- Installation instructions provided below only address the Rafna railgear equipment. Applicable railway company procedures and policies must be adhered to.
- Before performing any work under the vehicle or railgear, ensure the engine is turned off and the parking brake is set.
- Beware of all pinch points on the railgear and keep all parts of the body clear.
- Always disconnect the vehicle's battery when welding on the vehicle or railgear to protect the vehicle's electrical system.
- Ensure all removed components are given to the vehicle owner after the installation of the railgear. These components must be re-installed if the railgear is removed from the vehicle.
- Railway Company rules governing rail travel must always be observed.
- Never operate the vehicle if the Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Rating (GAWR), or the wheel or tire load ratings are exceeded.

INSTALLATION OF REAR MOUNTING KIT

The following procedure details the installation of the rear mounting kit. The hardware required for this installation is listed in table 1.

Table 1: Rear Mounting Kit Installation Parts

Part Number	Description	QTY
R-20262D	Rear Mounting Bracket, Drivers Side	1
R-20262P	Rear Mounting Bracket, Passengers Side	1
R-20042	Railgear Mounting Shim - 1/2" Thick	4
R-20041	Railgear Mounting Shim - 1/4" Thick	2
R-20043	Railgear Mounting Shim - 1/4" Thick	4
R-20040	Railgear Mounting Shim - 3/4" Thick	4
R-990KIT-285 (Railgear Mounting)	5/8" UNC Gr.8 Bolt X 3.50"	4
	5/8" UNC Gr.8 Bolt X 4.50"	4
	5/8" UNC Gr.8 Bolt X 5.50"	4
	5/8" Type- A Flat Washer Gr.8	8
	5/8" UNC GR.8 Nylock Nut	4
R-990KIT-286 (Mounting Bracket Install)	1/2" UNC Gr.8 Bolt X 1.50"	4
	1/2" UNC Gr.8 Bolt X 1.75"	4
	1/2" Type- A Flat Washer Gr.8	16
	1/2" UNC GR.8 Nylock Nut	8

1. Remove Rear Bumper and tow hitch if equipped.

NOTE: The OEM tow hitch cannot be used with this rear mounting kit

2. Place each mounting bracket against the bottom of the frame rail as shown.
3. The slots in the mounting brackets should align with the holes in the frame.
4. Attach each bracket to the frame as shown with the supplied 1/2" hardware.
5. The top plate of the mounting brackets should be flush with the outside face of the outside frame rail and should be aligned to each other.
6. Tighten and torque the 1/2" fasteners to 100 ft-lbs dry. do not over torque.
7. Drill a 17/32" hole thru the spare tire bracket and the mounting bracket as shown. Assemble with the supplied 1/2" hardware and torque to 100 ft-lbs dry. Do not Over torque.

TOWARDS FRONT OF VEHICLE

DRILL THRU CROSS MEMBER
AND MOUNTING BRACKET
TYP BOTH SIDES

PASSENGERS SIDE SHOWN
DRIVERS SIDE TYPICAL

ITEM	PART No.	DESCRIPTION OF ITEM(PART)	QTY.
1	R-20262D	REAR MTG BRKT, DRIVERS SIDE	1
2	R-20262P	REAR MOUNTING BRACKET, PASSENGERS SIDE	1
3	H.H.C.S.	1/2" UNC GR.8 x 1.50"	4
4	H.H.C.S.	1/2" UNC GR.8 x 1.75"	4
5	F'WASHER	1/2" TYPE-A GR.8	16
6	NYLOCK NUT	1/2" UNC GR.8	8
7	-	VEHICLE FRAME	REF

REV	DESCRIPTION OF CHANGES	DATE	BY	APPRVD	ECN #
A	REVISION A RELEASED	08/05/10	AML	JMP	
B	UPDATED BORDER	06/08/22	SMI	JMP	

AML					
DESIGN - ENGINEERING - MANUFACTURING	2005-2012 COLORADO & CANYON R-230 REAR MNTG BRKT INSTALL	DATE DRAWN	PART NUMBER	REVISION	
1	K-R18RM20100B	08/05/10	K-R18RM20100B	B	

ALL WELDS TO CONFORM TO AWS D1.1.

OPERATION AND SERVICE OF R-230 REAR MOUNTING KIT 2005-2012 GMC CANYON/ CHEVROLET COLORADO

OPERATION AND SERVICE 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 always be observed.
- 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 AND SERVICE OF REAR MOUNTING KIT

With the rear mounting kit installed on this vehicle, it may be operated as normal.

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.

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
¾" UNC Gr. 8 Fasteners	175
⅝" UNC Gr. 8 Fasteners	150
½" UNC Gr. 8 Fasteners	100
⅜" UNC Gr. 8 Fasteners	40
¼" UNC Gr. 8 Fasteners	12