

BOSS PRODUCTS
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**NISSAN FRONTIER (09&UP)
RT3 SPORT DUTY UNDERCARRIAGE
MOUNTING INSTRUCTIONS
(PART NO. LTA06350)**

WARNING

Many newer trucks are now equipped with air bags. DO NOT under any circumstances disable, remove or relocate any sensors or other components related to the operation of the air bags.

For recommended vehicle models refer to the Boss Snowplow Application Chart and Selection Guide.

To comply with Federal Regulations and to assure a safe vehicle, the Front Gross Axle Weight Rating (FGAWR), Rear Gross Axle Weight Rating (RGAWR), and the Gross Vehicle Weight Rating (GAWR) must not be exceeded at any time.

Due to the variety of equipment that can be installed on this vehicle, it is necessary to verify that the Front Gross Axle Weight Rating (FGAWR), Rear Gross Axle Weight Rating (RGAWR), and the Gross Vehicle Weight Rating (GAWR) are not exceeded at any time. This may require weighing the vehicle and adding ballast as necessary. It may also limit payload capacity of the vehicle. It is the operator's responsibility to verify that these ratings are not exceeded.

NISSAN FRONTIER (09&UP) RT3 SPORT DUTY UNDERCARRIAGE MOUNTING INSTRUCTIONS

The mounting procedure outlined below covers the Nissan Frontier (09&UP). You will need to refer to the illustrations and familiarize yourself with each of the undercarriage components and their relative position to each other. Then proceed as follows:

1. Remove the front fascia and skid plate.
2. Remove the tow hooks if vehicle is equipped
3. Locate Push Beam Support Plate (62A). Hold the Push Beam Support Plate up to the passenger side of the frame rail. Align the holes in the Support Plate up with the existing holes in the bottom of the frame rail. Secure the Support Plate with two M12-1.25 x 50mm Hex Head Bolts (E).
4. Using the Bolt Puller provided, feed two ½"-13 x 1-1/2" GR 5 Hex Head Bolts (A) with a ½" Split Lock Washers (D) through the frame and Push Beam Support Plate. Secure using ½" – 13 Hex Head Full Nuts (C) and ½" Split Lock Washers (D).
5. Repeat Steps 3-4 for Push Beam Support Plate (62B)
6. Attach Push beam Assembly (62) to support plates using ½"-13 x1-1/2" GR 5 Hex Head Bolts (A) and ½"-13 Hex Head Nylon Lock Nuts (B). Leave fasteners finger tight.

NOTE: The proper Push Beam Assembly height is 14-1/2" from the ground to the center of the pin receiving holes on the Push Beam hooks. (See Figure 2)

7. Attach Angle Bracket (75) to Push Beam Assembly using ½"-13 x1-1/2" GR 5 Hex Head Bolts (A) and ½"-13 Hex Head Nylon Lock Nuts (B). Leave fasteners finger tight.

8. Using the Angle Bracket (75) as a reference, drill two 9/16" holes through the bottom of the cross-member. Using the Bolt Puller provided, feed two 1/2"-13 x 1-1/2" GR 5 Hex Head Bolts (A) with a 1/2" Split Lock Washers (D) through the cross-member and Angle Bracket. Secure using 1/2" – 13 Hex Head Nylon Full Nuts (C) and 1/2" Split Lock Washers (D).
9. With all the undercarriage parts in place, securely fasten all mounting hardware. It is important that all fasteners be properly torqued (See Figure 3) to assure a safe operating plow. Re-tighten all fasteners after 2 hours of plowing.

NISSAN FRONTIER (09&UP) RT3 SPORT DUTY UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Push Beam Assembly	PBA06346	1
62A	Push Beam Support Plate (LH)	PBA06337	1
62B	Push Beam Support Plate (RH)	PBA06341	1
75	Angle Bracket	LTA06342	1
99	Bolt Puller	MSC09670	1
	FASTENER KIT,NISSAN FRONTIER 09&UP	HDW06349	1
Includes:			
A	1/2" – 13 1-1/2" Hex Head Bolt GR 5	HDW01728	18
B	1/2" – 13 Hex Head Nylon Lock Nut	HDW01748	12
C	1/2" – 13 Hex Head Full Nut	HDW02410	6
D	1/2" Split Lock Washer	HDW01732	12
E	M12-1.25 x 50mm Hex Head Bolt Class 10.9	HDW06351	4

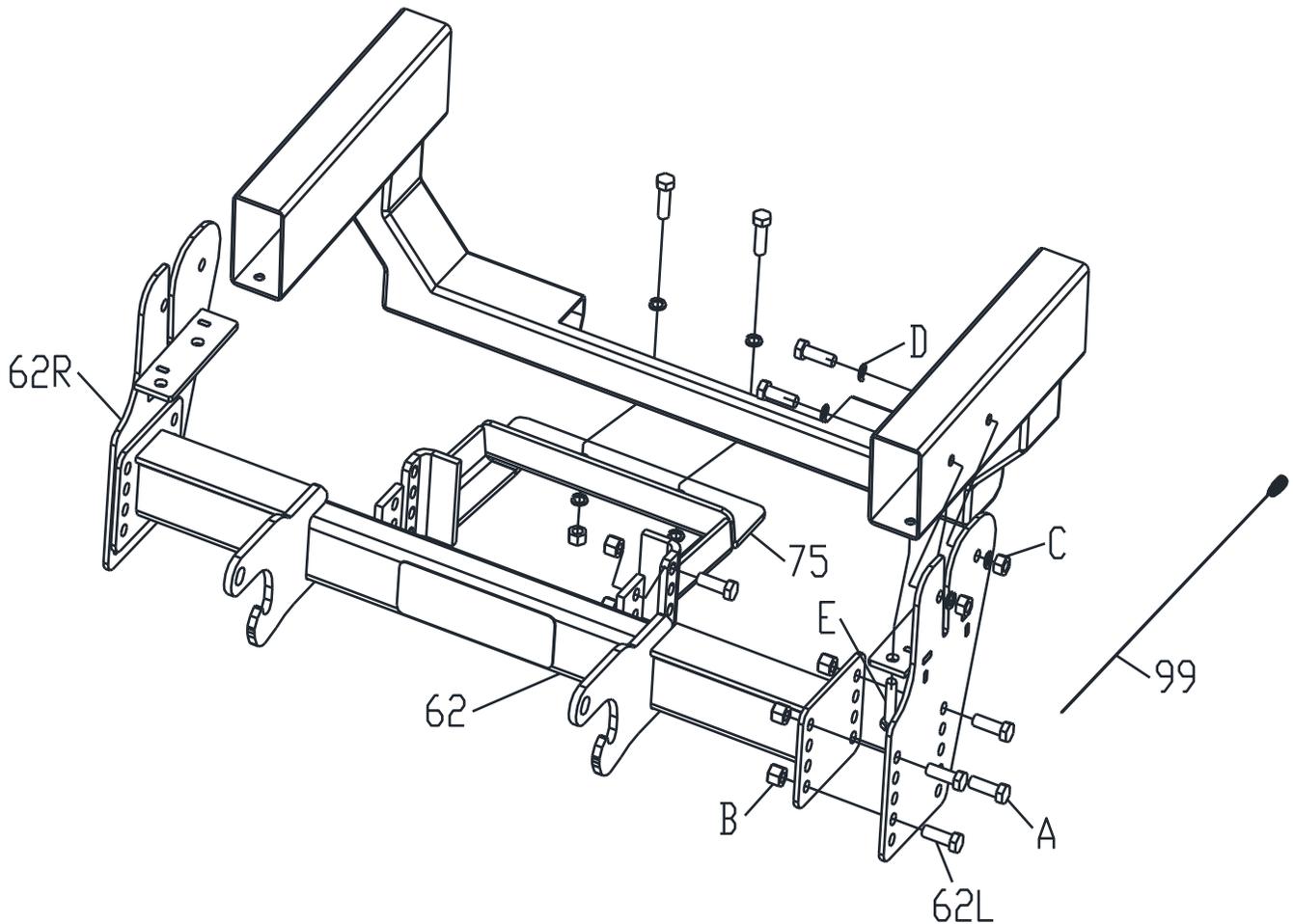


Figure 1

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RECOMMENDED PUSHBEAM HEIGHT

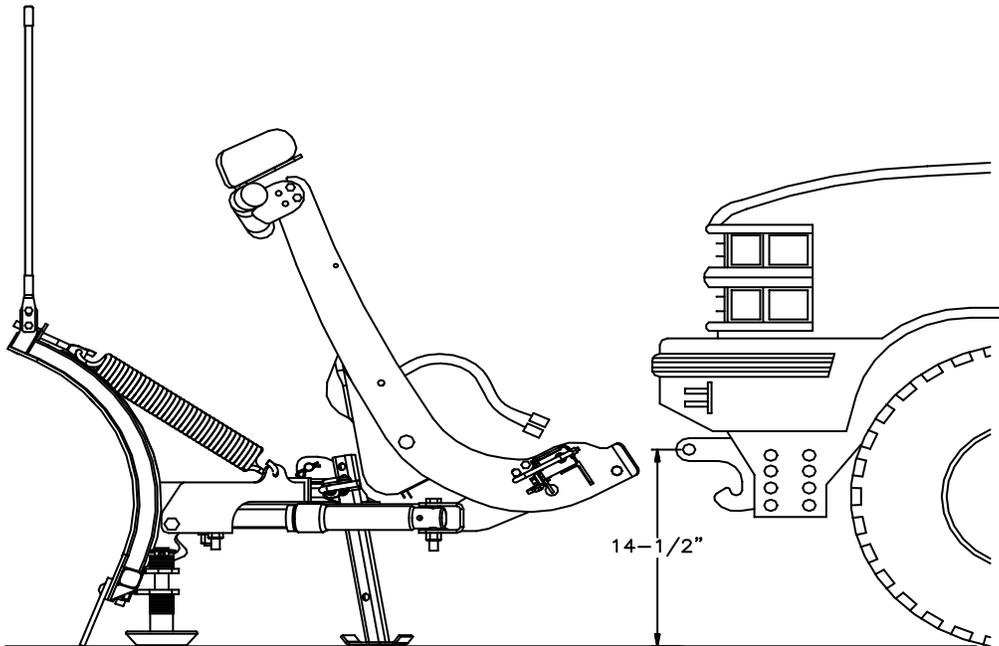


Figure 2

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GUIDE TO RECOMMENDED ASSEMBLY TORQUE



DIAMETER / PITCH	GRADE 5	GRADE 8	GRADE 8.8	GRADE 10.9
1/4-20	6	9		
5/16-18	14	19		
3/8-16	23	33		
7/16-14	38	53		
1/2-13	56	80		
9/16-12	82	116		
5/8-11	113	159		
3/4-10	201	283		
M10 X 1.25			36	
M10 X 1.5				49
M12 X 1.75				71
M14 X 2.0				80

ALL TORQUE VALUES ARE IN FOOT-POUNDS (FT.-LB.)

Figure 3

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* The torque values listed above are based on dry, coated bolts, variables such as oil, or other lubrications may appreciably alter these values and must be taken into consideration.

NOTE: IT IS IMPORTANT THAT ALL FASTENERS BE PROPERLY TORQUED TO ASSURE A SAFE OPERATING PLOW.