

BOSS PRODUCTS  
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**2005-2008  
POLARIS RANGER UTV  
RT3 SPORT DUTY UNDERCARRIAGE  
MOUNTING INSTRUCTIONS  
(PART NO. LTA12500)  
INLCUDED IN POLARIS KIT #2876870**

# **WARNING**

Always follow the vehicle manufacturers' recommendations relating to snowplow installation.

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.

## **2005-2008 POLARIS RANGER RT3 SPORT DUTY UNDERCARRIAGE MOUNTING INSTRUCTIONS**

The mounting procedure outlined below covers 2005-2008 Polaris Ranger UTV's. 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 three self-tapping bolts from bottom of Ranger Bumper.
2. Drill three holes in bottom of frame to 7/16".
3. Using 3/8"-16 X 1-1/4" Hex Head Bolts (F), 3/8" Flat Washers (G), and 3/8" -16 Nylon Lock Nuts (C), mount Skid Plate (75) and Bumper to Ranger frame. Tighten securely.
4. Remove existing bolts and nuts holding Bumper to Ranger Frame Horns.
5. Using existing bolts and nuts, 3/8"-16 X 1" Carriage Bolts (I), and 3/8"-16 Nylon Lock Nuts (C) mount Driver Side Pushbeam Support Plate (62B) to Ranger Frame. Leave finger tight.
6. Repeat step 5 on Passenger Side.
7. Using 1/2"-13 X 1-1/4" Carriage Bolts (H) and 1/2"-13 Nylon Lock Nuts, mount Pushbeam Assembly (62) between the Pushbeam Support Plates (62A & 62B). NOTE: The proper height adjustment for the Pushbeam is 16" from the ground to the center of Pushbeam (62) pin-receiving hole (See Figure 2).
8. With all 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.

## 2005-2008 POLARIS RANGER RT3 SPORT DUTY UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Pushbeam Assembly	PBA12600	1
62A	Pushbeam Support Plate, Passenger Side	PBA12610	1
62B	Pushbeam Support Plate, Drivers Side	PBA12605	1
75	Skid Plate	PBA12611	1
	FASTENER KIT,UC, UTV, RANGER, 05-08	HDW12613	1
Includes:			
A	5/16"-18 Nylon Lock Nut	HDW01714	6
B	3/8"-16 X 1" GR5 Hex Head Bolt	HDW01717	4
C	3/8"-16 Nylon Lock Nut	HDW01720	7
D	7/16" Split Lock Washer	HDW05562	3
E	1/2"-13 Nylon Lock Nut	HDW01748	4
F	3/8"-16 X 1-1/4" GR Hex Head Bolt	HDW01771	3
G	3/8" Flat Washer	HDW01733	3
H	1/2"-13 X 1-1/4" Carriage Bolt	HDW06301	4
I	5/16"-18 X 1" Carriage Bolt	HDW06302	6

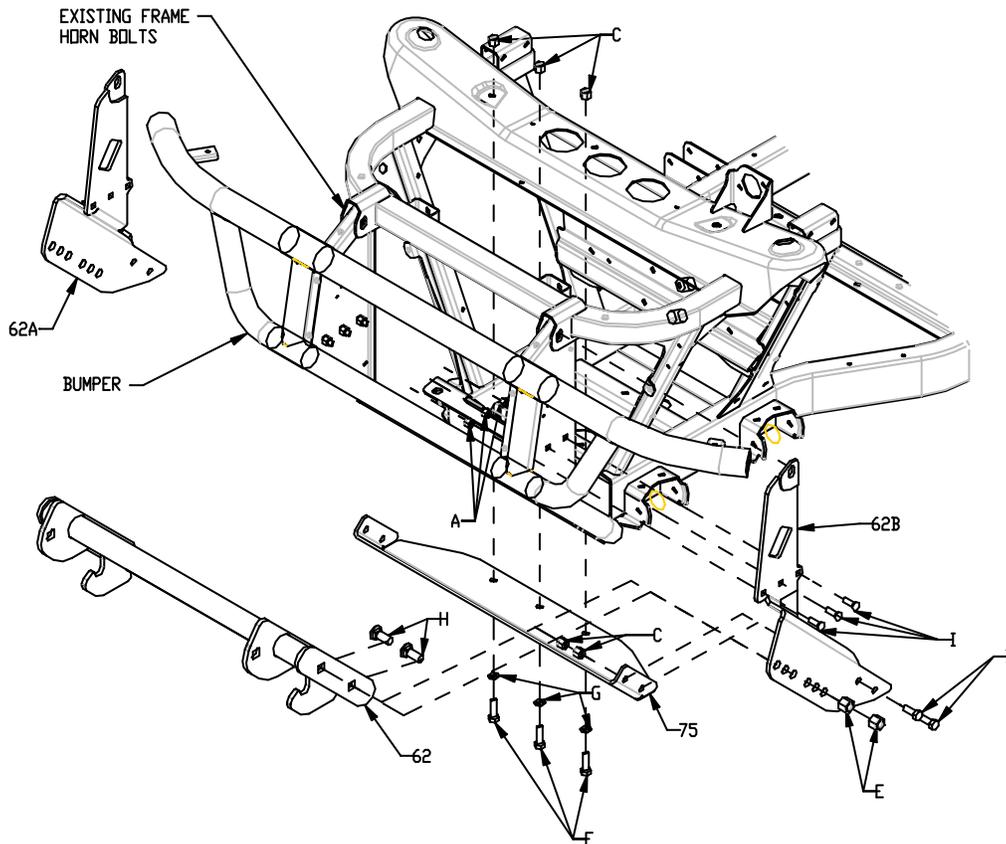


Figure 1

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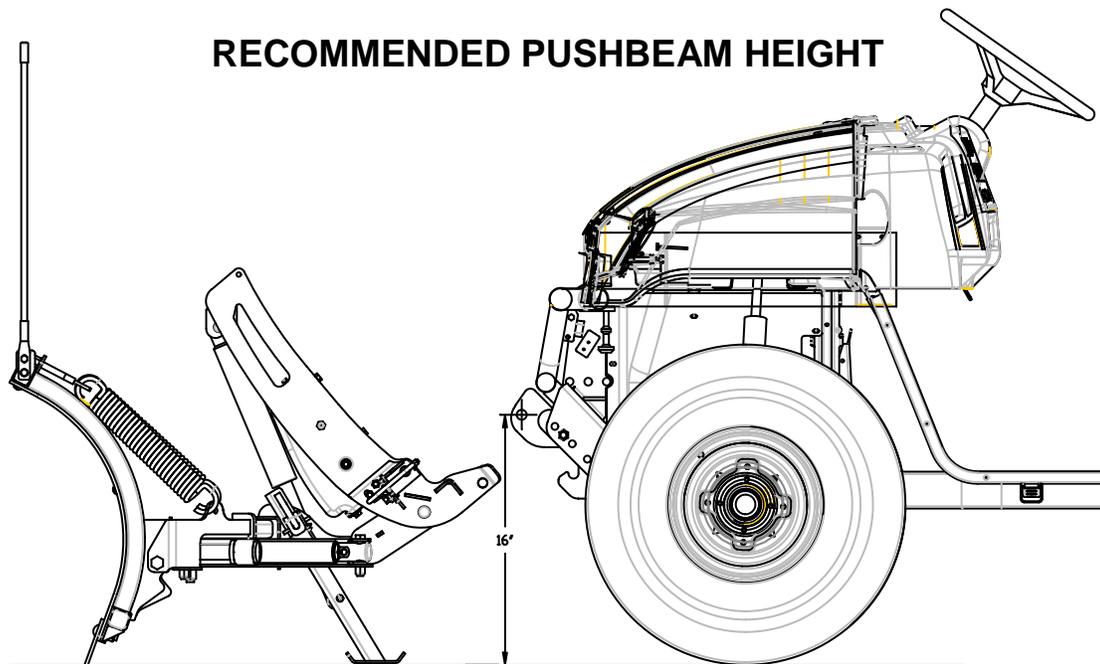


Figure 2

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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

G10410

\* 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.