



**A Division of The Toro Company**

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ISO 9001:2008 REGISTERED

bossplow.com

**2009 - 2012  
POLARIS RANGER UTV  
RT3 UNDERCARRIAGE  
MOUNTING INSTRUCTIONS  
(PART NO. LTA12520)**

# **WARNING**

Always follow the vehicle manufacturers' recommendations relating to system 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.

## **2009 - 2012 POLARIS RANGER RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS**

The mounting procedure outlined below covers 2009 - 2012 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 front and top grill from Ranger Bumper for easier access.
2. Using 3/8"-16 X 1" Hex Head Bolts (A) and 3/8" -16 Nylon Lock Nuts (B), mount Skid Plate (75) to bottom of Ranger frame. Tighten securely.
3. Remove existing bolts and nuts holding top of Bumper to Ranger Frame Horns.
4. Using 3/8"-16 X 3-1/4" Hex Head Bolts (C), 3/8"-16 X 2-1/2" Hex Head Bolts (D), and 3/8"-16 Nylon Lock Nuts (B) mount Driver Side Pushbeam Support Plate (62B) to Ranger Frame. Leave finger tight.
5. Repeat step 3 for Passenger Side Support Plate (62A).
6. Using 3/8"-16 X 1" Hex Head Bolts (A) and 3/8"-16 Nylon Lock Nuts (B), mount Pushbeam Assembly (62) between Skid Plate (75) tabs.

NOTE: The proper height adjustment for the Pushbeam (62) is approximately 20" from the ground to the center of Pushbeam (62) pin-receiving hole (See Figure 2) for Lift & Carry System. Use 16" for Straight Blade Plow System.

7. Using 1/2"-13 X 1-3/4" Carriage Bolts (E) and 1/2"-13 Nylon Lock Nuts (F) secure Pushbeam Assembly (62) to Bumper and Pushbeam Support Plates (62A & 62B).

NOTE: Shim Plates (80) must be placed between Bumper and Pushbeam Support Plates (62A & 62B) if a winch is not in use.

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. Re-install grills.
9. Add BOSS decal to front of top tube on Pushbeam Assembly (62).

## 2009 - 2012 POLARIS RANGER RT3 UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Pushbeam Assembly	PBA12535	1
62A	Pushbeam Support Plate, Passenger Side	PBA12531	1
62B	Pushbeam Support Plate, Drivers Side	PBA12530	1
75	Skid Plate	PBA12523	1
80	Shim Plate	LTA12536	2
	FASTENER KIT,UC, UTV, RANGER,T-REX	HDW12537	1
Includes:			
A	3/8"-16 X 1" GR5 Hex Head Bolt	HDW01717	9
B	3/8"-16 Nylon Lock Nut	HDW01720	13
C	3/8"-16 X 3-1/4" GR5 Hex Head Bolt	HDW05573	2
D	3/8"-16 X 2-1/2" GR5 Hex Head Bolt	HDW07426	2
E	1/2"-13 X 1-3/4" Carriage Bolt	HDW05613	4
F	1/2"-13 Nylon Lock Nut	HDW01748	4

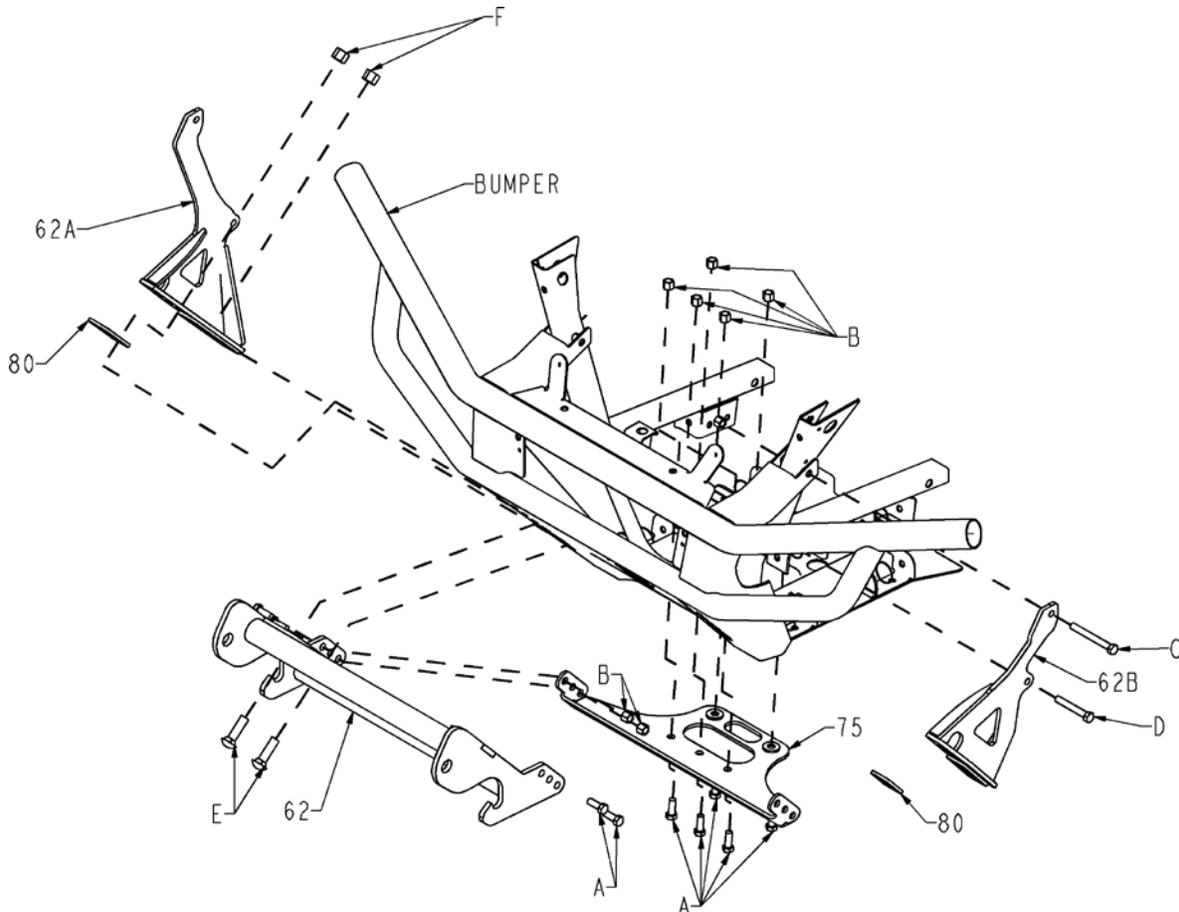


Figure 1

G10503

## RECOMMENDED PUSHBEAM HEIGHT

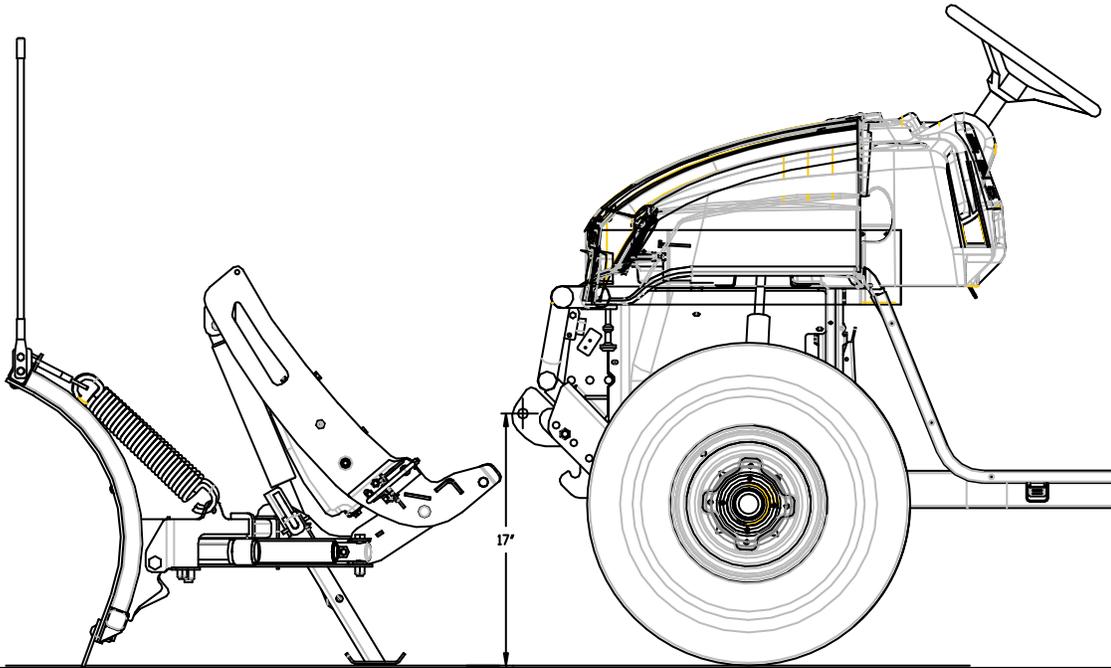


Figure 2

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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

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.