



**A Division of The Toro Company**

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ISO 9001:2008 REGISTERED

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**2008 - 2014  
KUBOTA RTV 1100  
RT3 UNDERCARRIAGE  
MOUNTING INSTRUCTIONS  
(PART NO. LTA12660)**

# **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.

## **2008 - 2014 RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS**

The mounting procedure outlined below covers 2008 – 2014 KUBOTA RTV 1100 models. 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 six existing bolts that attach Front Bumper to front of vehicle and allow Front Bumper to hang in place by placement tab on top side of Bumper.
2. Align holes in Skidplate Assembly (75) with holes in Front Bumper, be careful not to dislodge bumper from frame as there are no bolts holding the Front Bumper to the Frame of vehicle, only the placement tab. Using M12 x 1.25 – 45mm Hex Head Bolts (E), attach Skidplate Assembly (75) to vehicle using the same mount holes as Front Bumper. Leave finger tight.
3. Align holes in back of Skidplate Assembly (75) with holes in Frame Assembly crossmember. Using M10 x 1.25 – 35mm Hex Head Bolts (F), attach Skidplate Assembly (75) to Frame Assembly crossmember. Leave finger tight.
4. Place two M12 x 1.25 Nylon Lock Nuts (G) on back side of front two M12 X 1.25 45MM Hex Head Bolts (E) of the Skidplate Assembly (75) that attach the Front Bumper to the Front Tabs of the Skidplate Assembly. Tighten all hardware.

NOTE: The proper height adjustment for the Pushbeam (62) is approximately 17" from the ground to the center of Pushbeam (62) pin-receiving hole (See Figure 2) for Plow System.

5. Using 3/8"-16 X 1" Hex Head Bolts (A), 3/8"-16 Nylon Lock Nuts (C), 1/2"-13 X 1-1/2" Hex Head Bolts (B), and 1/2"-13 Nylon Lock Nuts (D), mount Pushbeam Assembly (62) to Skidplate Assembly (75).
6. With all undercarriage parts in place, securely fasten all remaining mounting hardware. It is important that all fasteners be properly torqued (See Figure 3) to assure a safe operating plow. Retighten all fasteners after two hours of plowing.
7. Add BOSS decal to front of top tube on Pushbeam Assembly (62).

## 2008 - 2014 KUBOTA RTV 1100 RT3 UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Pushbeam Assembly	PBA12535	1
75	Skidplate Assembly	LTA12661	1
	FASTENER KIT,UC,UTV,KUBOTA 1100, 2008-2014	HDW12666	1
Includes:			
A	3/8"-16 X 1" GR5 Hex Head Bolt	HDW01717	6
B	1/2"-13X1-1/2" GR5 Hex Head Bolt	HDW01728	4
C	3/8"-16 Nylon Lock Nut	HDW01720	6
D	1/2"-13 Nylon Lock Nut	HDW01748	4
E	M12 X 1.25 X 45MM, GR10.9 Hex Head Bolt	HDW10661	8
F	M10 X 1.25 X 35MM GR8.8 Hex Head Bolt	HDW09652	2
G	M12 X 1.25, Nylon Lock Nut	HDW12668	2

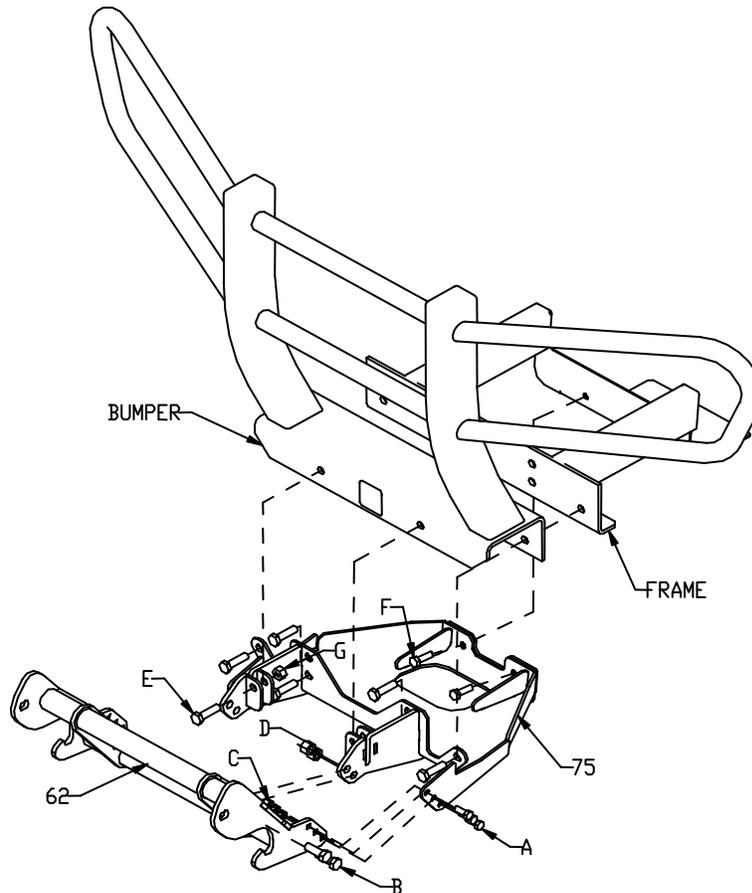
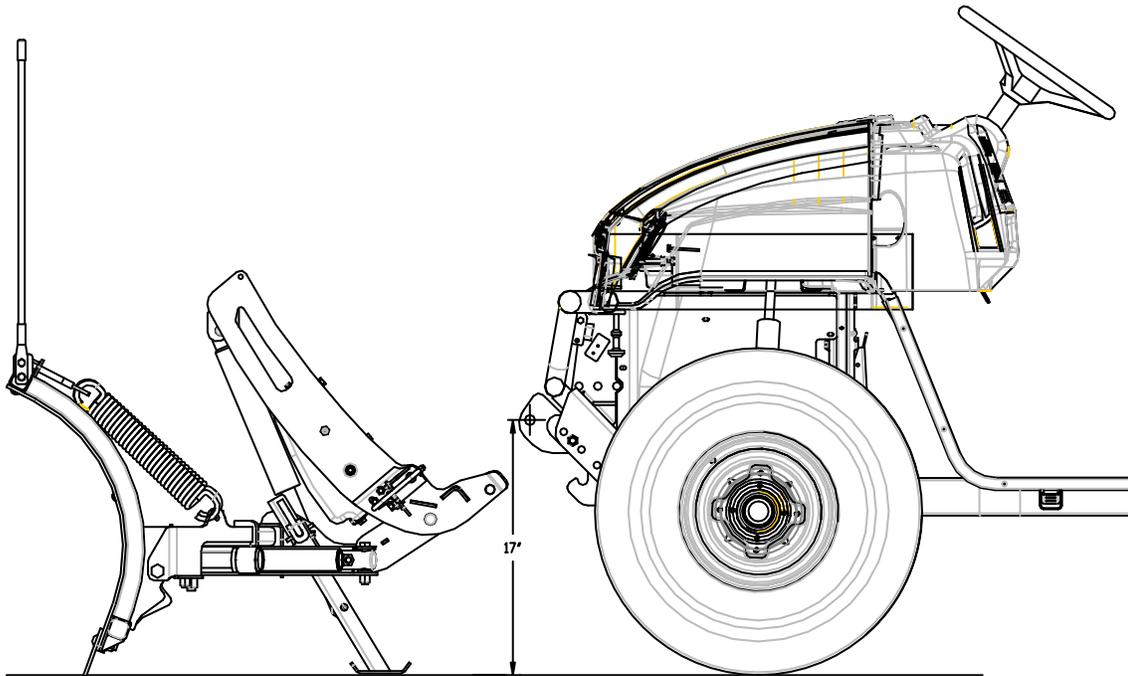


Figure 1

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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 1.25				92
M12 X 1.75				86
M14 X 2.0				136
M16 X 2.0				210

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. RE-TIGHTEN ALL FASTENERS AFTER 2 HOURS OF PLOWING.