

SNOWPLOW

®

BOSS PRODUCTS

A Division of Northern Star Industries, Inc.
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**2010 & NEWER
HONDA BIG RED
RT3 UNDERCARRIAGE
MOUNTING INSTRUCTIONS
(PART NO. LTA12670)**

DRIVEN TO BE THE BEST

MSC12659-0

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.

2010 & NEWER HONDA BIG RED RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS

The mounting procedure outlined below covers 2010 & NEWER Honda Big Red 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 middle two existing bolts that attach Bumper to Frame Assembly and drill out holes in Frame Assembly to 7/16".
2. Align top holes in sides of Skid Plate Assembly (75) with holes in Bumper. Using 3/8"-16 X 2-1/4" Hex Head Cap Screws (F) and 3/8"-16 Nylon Lock Nuts (B), attach Skid Plate Assembly (75) to Bumper. Leave finger tight.
3. Hold Skid Plate Assembly (75) flush with Bumper and mark four bottom holes. While still holding Skid Plate Assembly (75) flush with Bumper, mark two front slots on the inside of slot. Remove Skid Plate Assembly (75) and drill all six holes to 7/16".
4. Attach Driver Side and Passenger Side Mount Brackets (62A & 62B) to Rear Bracket Assembly on the inside holes using four 3/8"-16 X 1" Hex Head Bolts (A) and four 3/8"-16 Nylon Lock Nuts (B). Leave finger tight.
5. Attach Rear Bracket Assembly (63) to Frame Assembly using two M10-1.5 X 20 MM Hex Head Bolts (G) and two 3/8" Flat Washers (D). Fully tighten Rear Bracket Assembly (63) to Frame Assembly.
6. Mount Skid Plate Assembly (75) to Bumper, Rear Bracket Assembly, and Frame Assembly using six 3/8"-16 X 1" Hex Head Bolts (A), two 3/8"-16 X 2-1/4" Hex Head Bolts (F), and eight 3/8"-16 Nylon Lock Nuts (B). Fully tighten all parts.

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.

7. Using four 3/8"-16 X 1" Hex Head Bolts (A), four 3/8"-16 Nylon Lock Nuts (C), four 1/2"-13 X 1-1/2" Hex Head Bolts (D), and four 1/2"-13 Nylon Lock Nuts (E), mount Pushbeam Assembly (62) to Skid Plate Assembly (75).
8. 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.
9. Add BOSS decal to front of top tube on Pushbeam Assembly (62).

**2010 & NEWER HONDA BIG RED
RT3 UNDERCARRIAGE
INSTALLATION PROCEDURE**

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Pushbeam Assembly	PBA12535	1
62A	Mount Bracket, Drivers Side	LTA12678	1
62B	Mount Bracket, Passenger Side	LTA12679	1
63	Rear Bracket Assembly	LTA12657	1
75	Skid Plate Assembly	LTA12671	1
	FASTENER KIT,UC,HONDA BIG RED,2010+	HDW12658	1
Includes:			
A	3/8"-16 X 1" GR5 Hex Head Bolt	HDW01717	14
B	3/8"-16 Nylon Lock Nut	HDW01720	16
C	1/2"-13X1-1/2" GR5 Hex Head Bolt	HDW01728	4
D	3/8" Flat Washer	HDW01733	6
E	1/2"-13 Nylon Lock Nut	HDW01748	4
F	3/8"-16 X 2-1/4" GR5 Hex Head Bolt	HDW05521	2
G	M10-1.5 X 20 MM" GR10.9 Hex Head Bolt	HDW12655	2

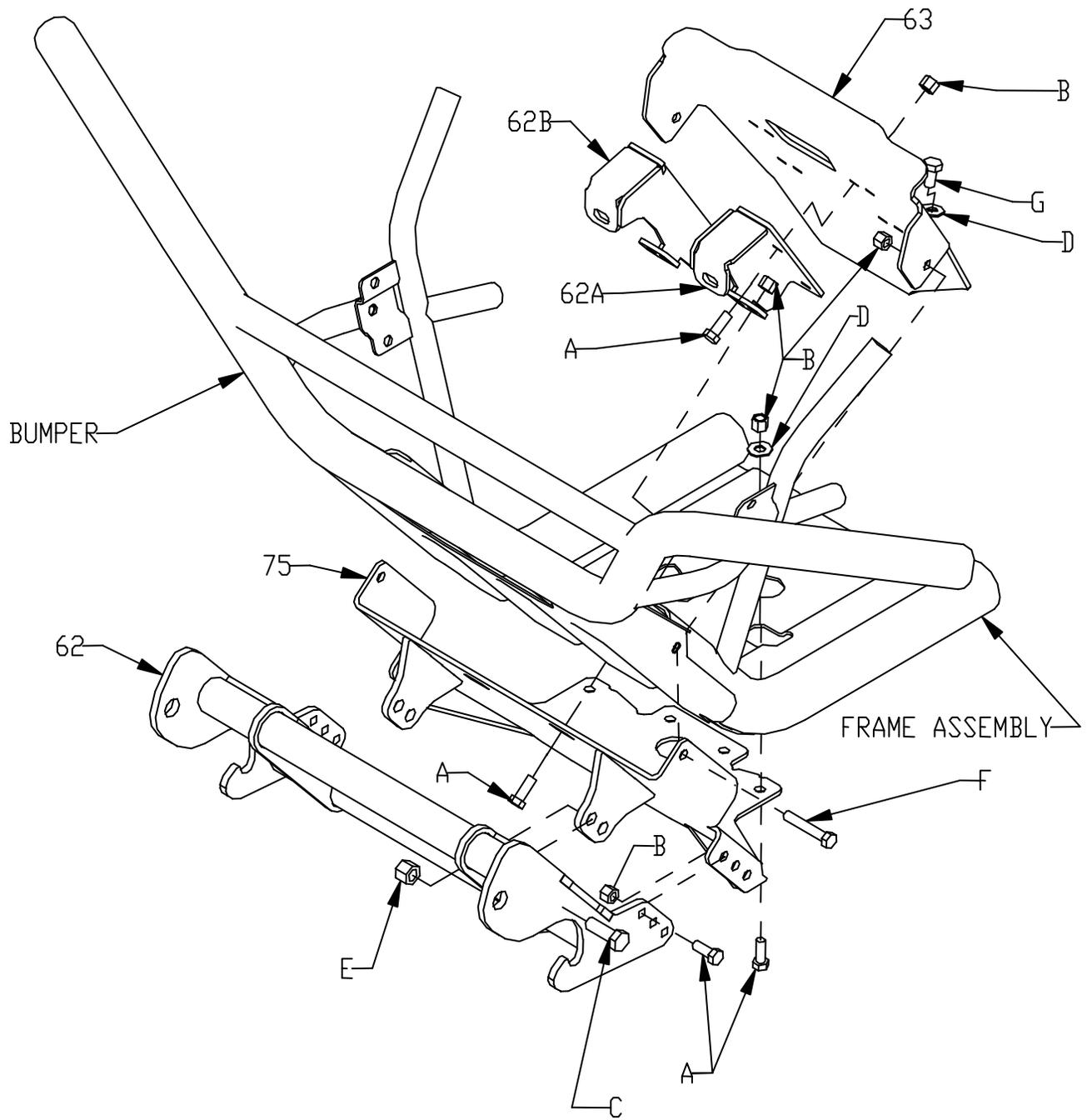


Figure 1

G10683

RECOMMENDED PUSHBEAM HEIGHT

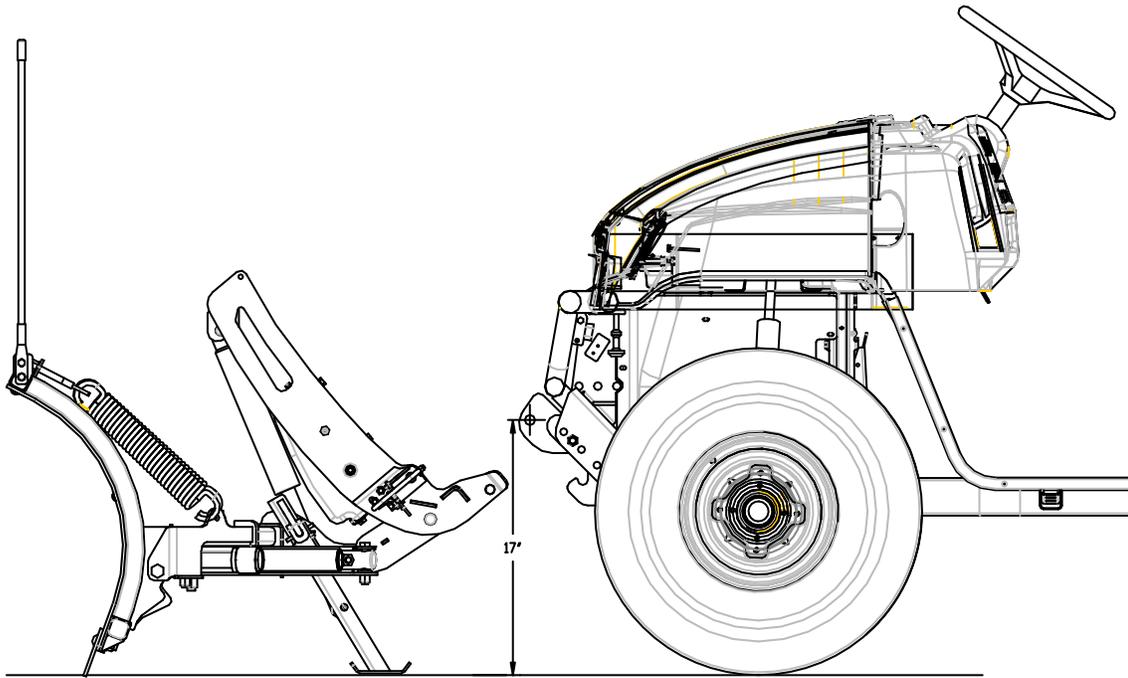


Figure 2

G10502

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