

BOSS PRODUCTS
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**1991 - 2002 CHEV / GMC 3500 HD
RT3 UNDERCARRIAGE
MOUNTING INSTRUCTIONS
(PART NO. LTA03675)**

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.

1991 - 2002 CHEV / GMC 3500 HD RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS

The mounting procedure outlined below covers CHEVROLET AND GMC 3500HD trucks built in 1991 -2002. 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. Position the PUSH BEAM SUPPORT PLATE (LH) (Ref. 62D, Figure 1) to the front outside of the truck frame as shown in Figure 1. Place the PUSH BEAM SUPPORT PLATE INSIDE MOUNT (LH) (Ref. 62C, Figure 1) on the other side of the frame rail and bolt through the frame using two ½" x 13 – 6" HEX HEAD BOLTS, ½" HARDENED WASHERS, and ½" x 13 HEX HEAD SELF LOCKING NUTS. Insert two ½" x 13– 2" HEX HEAD BOLTS with ½" HARDENED WASHERS through the bottom of the PUSH BEAM SUPORT PLATE (LH) and secure using ½" x 13 HEX HEAD SELF LOCKING NUTS, with two ½" HARDENED WASHERS.
2. Using the same procedure as above, install the PUSH BEAM SUPPORT PLATE (RH) and PUSH BEAM SUPPORT PLATE INSDE MOUNT (Ref. 62, Figure 1).
3. Position the PUSH BEAM ASSEMBLY (Ref. 62, Figure 1) between the PUSH BEAM SUPPORT PLATES and secure using ½" x 13- 2" HEX HEAD BOLTS, and ½" x 13 HEX HEAD SELF LOCKING NUTS. Install only the front two bolts on each SUPPORT PLATE.

NOTE: The proper height adjustment for the PUSH BEAM is approximately 15 - ½" from the ground to the center of the PUSH BEAM pin receiving hole (See Figure 2).

4. Position the ANGLE BRACKET (LH) (Ref. 75L, Figure 1) to the truck frame. With the frame mount end of the ANGLE BRACKET held tightly against the bottom of the frame mark, drill the bolt holes to attach the ANGLE BRACKET. Secure the ANGLE BRACKET to the PUSH BEAM SUPPORT PLATE and PUSH BEAM ASSEMBLY using two ½" x 13- 2" HEX HEAD BOLTS, and 1/2" x 113 HEX HEAD SLE FLOCKING NUTS. Secure the ANGLE BRACKET to

the frame using one $\frac{1}{2}$ " U-BOLT, one $\frac{1}{2}$ " x 13- 5 $\frac{1}{2}$ " HEX HEAD BOLT, and three $\frac{1}{2}$ " x 13 HEX HEAD SELF LOCKING NUTS.

5. Install the ANGLE BRACKET (RH) (Ref. 75R, Figure 1) using the same procedure as above, but with a $\frac{1}{2}$ " x 13- 4 $\frac{1}{2}$ " HEX HEAD BOLT.

6. 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-tighten all fasteners after 2 hours of plowing.

1991 - 2002 CHEV / GMC 3500 HD RT3 UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Push Beam Assembly	PBA03644	1
62A	Push Beam Support Plate (RH)	LTA03599	1
62B	Push Beam Support Plate Inside Mount (RH)	LTA03602	1
62D	Push Beam Support Plate (LH)	LTA03605	1
62C	Push Beam Support Plate Inside Mount (LH)	LTA03607	1
75R	Angle Bracket (RH)	LTA03609	1
75L	Angle Bracket (LH)	LTA03613	1
	FASTENER KIT, HD3500, 91-02	HDW05522	1
Includes:			
A	1/2" - 13 x 4- 1/2" Hex Head Bolt	HDW01778	1
B	1/2" - 13 x 5- 1/2" Hex Head Bolt	HDW05525	1
C	1/2" - 13 x 6" Hex Head Bolt	HDW05526	4
D	1/2" - 13 x 2" Hex Head Bolt	HDW01755	12
E	1/2" Hardened Washer	HDW05501	10
F	1/2" - 13 Hex Head Self Locking Nut	HDW01748	22
G	1/2" U-Bolt	HDW05504	2

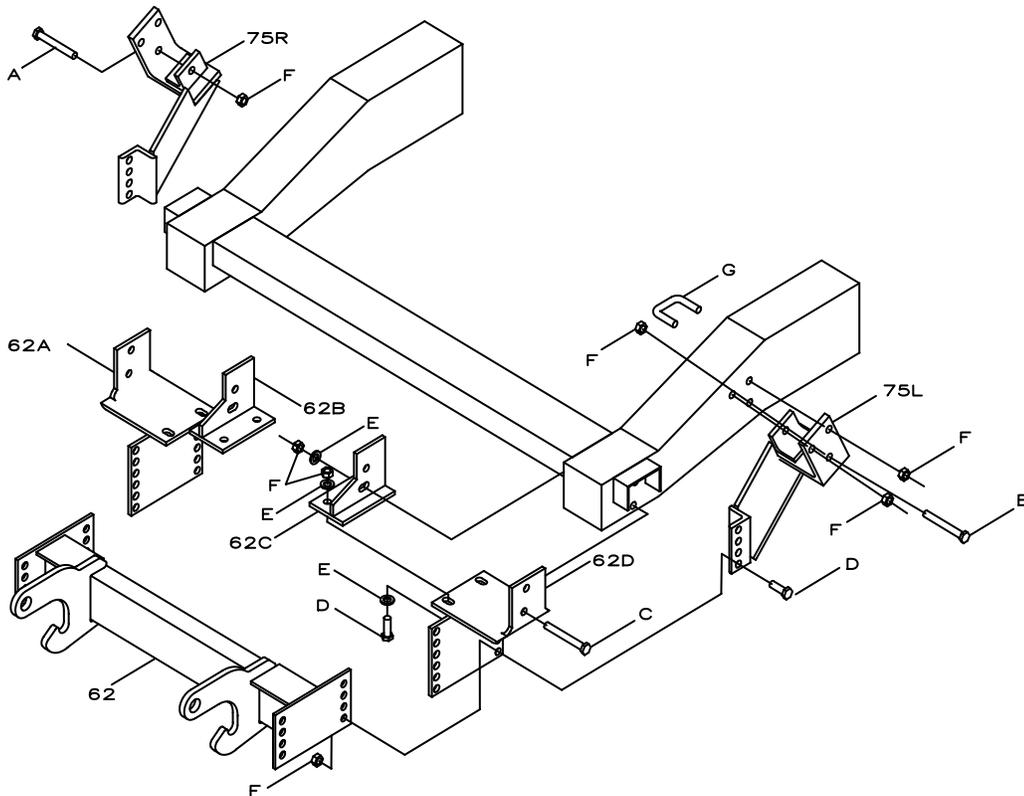


Figure 1

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RECOMMENDED PUSHBEAM HEIGHT

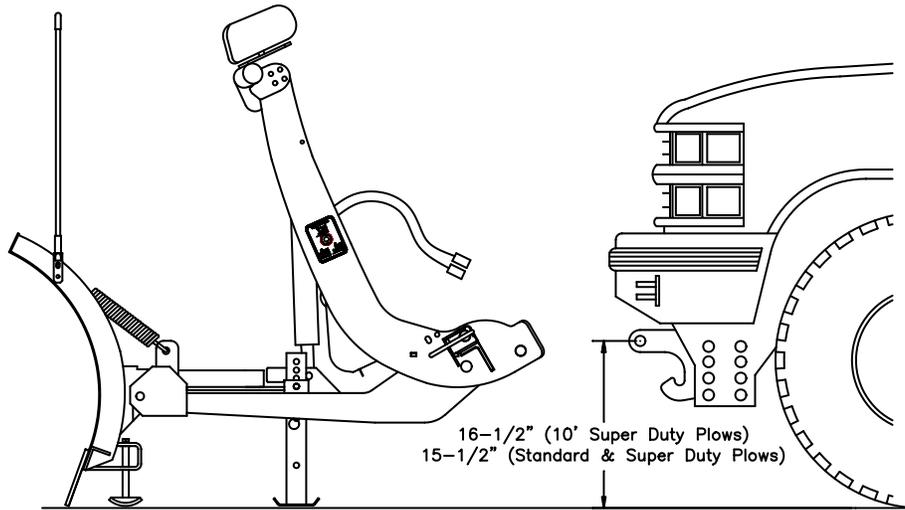


Figure 2

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

