

BOSS PRODUCTS  
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**2008 & NEWER DODGE 4500/5500  
10' & RT3 UNDERCARRIAGES  
MOUNTING INSTRUCTIONS  
(PART NO. LTA09300 & LTA09320)**

# **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.

## **2008 & NEWER DODGE 4500/5500 10' & RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS**

The mounting procedure outlined below covers 2008 & Newer DODGE 4500/5500 trucks. 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 the truck tow hook and bracket by taking out the two M16 bolts and nuts on the DR side of the frame. Keep the M16 hardware because you will reuse them when installing the PB support plates.
2. Next locate the most rearward hole where the 5/8" bolt bar (99) will be used. Drill the existing 9/16" hole larger using an 11/16" drill bit to fit the 5/8" bolt properly. See Figure 1 (99).
3. With the tow hooks and brackets removed, slide the DR (driver) support plate under the frame rail and use the existing M16x100 bolt and the existing lock nut to secure in place loosely [opt. use 5/8" LW (C) if existing M16 locknut is not used]. Next take one of the 5/8" bolt bar (99) for the DR side, face the bolt outward and put a 30 degree bend downward on the end opposite of bolt at about 6 inches from that end. Then take the end of the wire and put a 180 degree bend on it using a pair of pliers. This will help you to be able to position the 5/8" bolt when installing. Refer to Figure 1.
4. Using the 5/8" bolt bar that you just modified, reach the bolt in from the front of the frame (tow hook location) all the way back to the rearward hole in the Dodge frame and the hole in the DR support plate. Install the 5/8" lock washer (C) and nut (D) on the outside of the frame.
5. Repeat the above steps for the PS (passenger) side. All hardware should only be finger tight only.

6. Install Push Beam (62) between Push Beam Support Plates (62A & 62B) using eight 1/2"-13 X 1-1/2" Hex Head Bolts (B) and eight 1/2"-13 Top Lock Nuts (H). Hardware should only be finger tight. Push Beam (62) should be mounted at a height of 15-1/2" (RT3) and 16-1/2" (10' plow) from the ground to the center of the hook hole.
- 7a. On RT3 applications, the hooks on the push beam will push up into the plastic bumper valance slightly. No cutting should be necessary. Tighten all hardware starting with the support plates. Refer to figure 2 for torque specifications.
- 7b. On 10' applications, the plastic bumper valance may need to be to be notched or cut out to provide about 1" of clearance to properly install the 10' push beam. Once the valance has been modified to the customer's request, tighten all hardware starting with the support plates.
8. With all undercarriage parts in place, securely fasten all mounting hardware. It is important that all fasteners be properly torqued (see Fig. 3) to assure a safe operating plow. Re-tighten all fasteners after 2 hours of plowing.

**Note:** Headlight adapter MSC09993 (includes Turn Signal Relay Kit MSC09991) should be used with 2008+ Dodge 4500/5500 Trucks with replaceable 9008 (H13) bulb headlights.

## 2008 & NEWER DODGE 4500/5500 10' & RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Push Beam Assembly (10')	PBA09301	1
62	Push Beam Assembly (RT3)	PBA09321	1
62A	Push Beam Support Plate, PS (10')	PBA09315	1
62A	Push Beam Support Plate, PS (RT3)	PBA09335	1
62B	Push Beam Support Plate, DR (10')	PBA09305	1
62B	Push Beam Support Plate, DR (RT3)	PBA09325	1
99	5/8" Bolt Bar x24"	LTA09345	2
	FASTENER KIT, DODGE 4500/5500, 2008 & NEWER	HDW09350	
Includes:			
A	1/2"-13 X 1-1/2" Hex Head Bolt	HDW01728	8
B	1/2"-13 Top Lock Nut	HDW05597	8
C	5/8" Lock Washer (opt. may use the M16 lock nut only)	HDW03891	6
D	5/8"-11 Full Nut	HDW01777	2

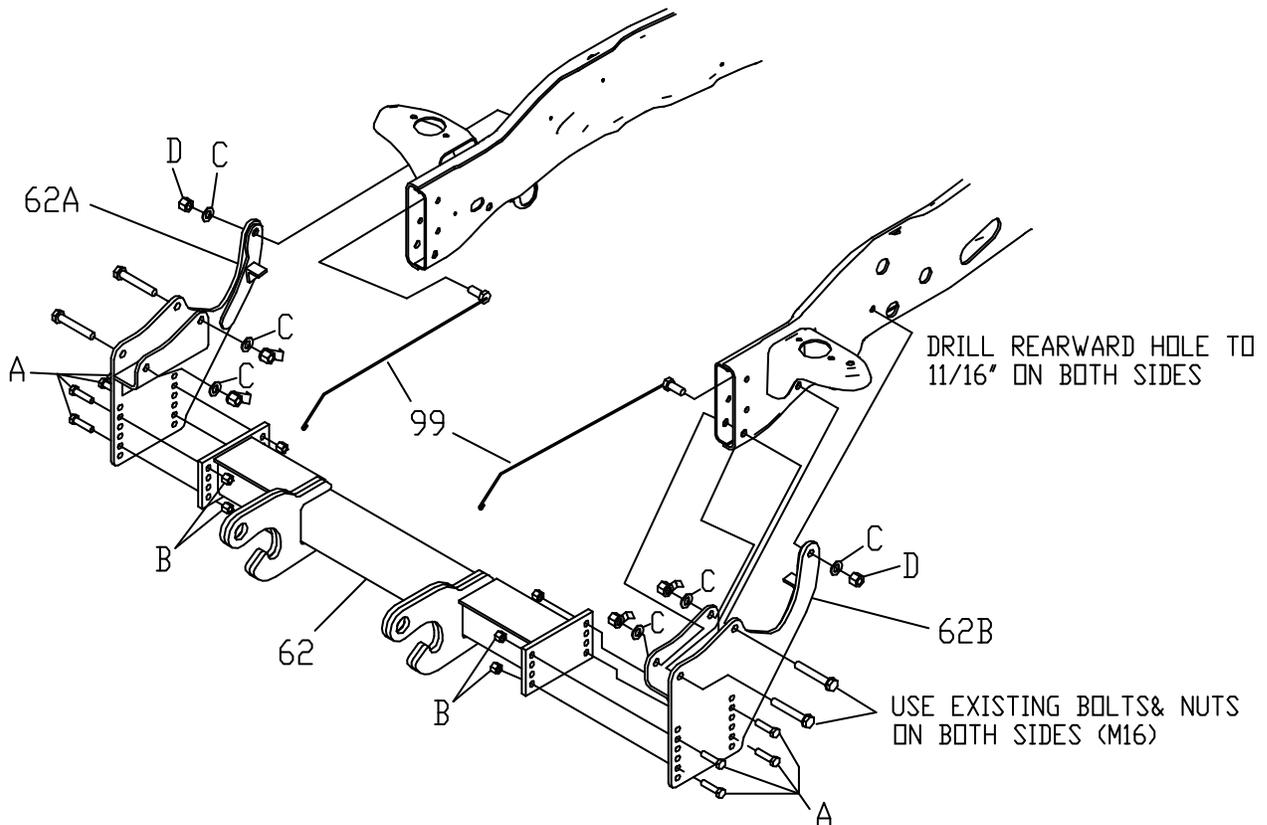


Figure 1

G10520

## RECOMMENDED PUSHBEAM HEIGHT

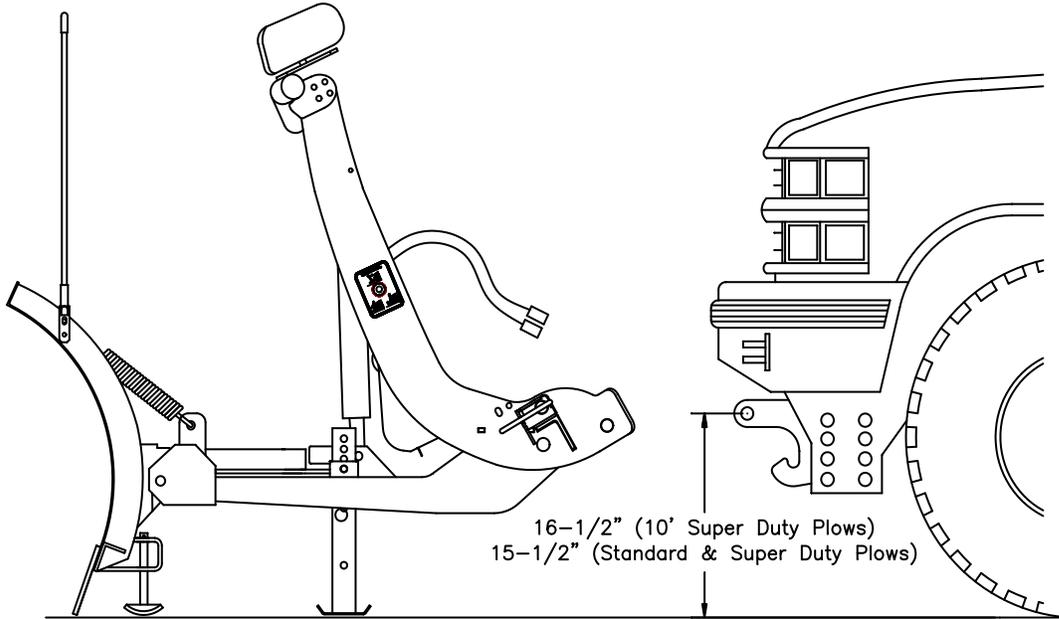


Figure 2

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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
M16 X 2.0				190

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.