

BOSS PRODUCTS
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**1992 – 1996 FORD F150
RT3 UNDERCARRIAGE
MOUNTING INSTRUCTIONS
(PART NO. LTA03648)**

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.

Always follow the vehicle manufacturers' recommendations relating to snowplow installation. 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.

1992 – 1996 FORD F150 RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS

The mounting procedure outlined below covers 1992 – 1996 FORD F150 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 front bumper. If the truck is equipped with a front stabilizer bar, remove the stabilizer frame mounts, allowing the stabilizer bar to hang freely. The stabilizer bar will be reattached later. Position the push beam support plates (Ref. 62A and 62B, Fig. 1) to the front frame rails of the truck. Using the 1½"- 13 x 1- ½" bolts, ½" self locking nuts, and ½" flat washers provided, bolt the PUSH BEAM SUPPORT PLATES in place (see Fig. 1). Fasteners should only be finger tight.
2. Bolt the PUSH BEAM (Ref. 62, Fig. 1) in place as shown using ½" – 13 x 1- ½" hex head bolts and self locking nuts provided.

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 Fig. 2).

3. Attach the RIGHT FRAME MOUNT (Ref. 75A, Fig. 1) and the LEFT FRAME MOUNT (Ref. 75B, Fig. 1) to the vehicle frame using 5/8" – 11 x 2" hex head bolt and NUT PLATES (Ref. 99R and 99L, Fig. 1). Fasteners should only be finger tight. Bend the remaining portion of the nut plates around the frame horn.

4. If the vehicle was equipped with a front stabilizer bar, rotate the stabilizer bar up into position. Attach the ANGLE BRACKET ASSEMBLY to the LEFT and RIGHT FRAME MOUNTS and STABILIZER BAR MOUNTING PLATES using 5/8" – 11 x 2" hex head bolts, self locking nuts, and 5/8" flat washers provided. Attach the ANGLE BRACKET ASSEMBLY to the PUSH BEAM using four 1/2" – 13 x 1- 1/2" hex head bolts and self locking nuts provided. If the vehicle was equipped with a front stabilizer, use the 3/8" – 16 x 1- 1/2" hex head bolts and 3/8" self locking nuts provided to reattach the bar to the STABILIZER MOUNTING PLATES.
5. Install the Front Bumper.
6. With all undercarriage parts in place, securely fasten all mounting hardware. It is important that all fasteners be properly torqued to assure a safe operating plow. See Figure 3 for recommended assembly torque. Re-tighten all fasteners after 2 hours of plowing.

1992 – 1996 FORD F150 RT3 UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Push Beam Assembly	PBA03649	1
62A	Push Beam Support Plate (RH)	PBA03527	1
62B	Push Beam Support Plate (LH)	PBA03530	1
75	Angle Bracket Assembly	LTA03523	1
75A	Frame Mount (RH)	LTA03309	1
75B	Frame Mount (LH)	LTA03308	1
75C	Stabilizer Bar Mounting Plate	LTA03522	2
99L	Nut Plate (LH)	LTA03328	1
99R	Nut Plate (RH)	LTA03329	1
	FASTENER KIT, FORD F150 92-96	HDW01790	1
Includes:			
A	1/2" – 13 x 1- 1/2" Hex Head Bolt	HDW01728	16
B	1/2" – 13 Hex Head Self Locking Nut	HDW01748	16
C	5/8" – 11 x 2" Hex Head Bolt	HDW01731	10
D	5/8" – 11 Hex Head Self Locking Nut	HDW01709	6
E	3/8" – 16 x 1- 1/2" Hex Head Bolt	HDW01719	4
F	3/8" – 16 Hex Head Self Locking Nut	HDW01720	4
G	5/8" Flat Washers	HDW01726	6

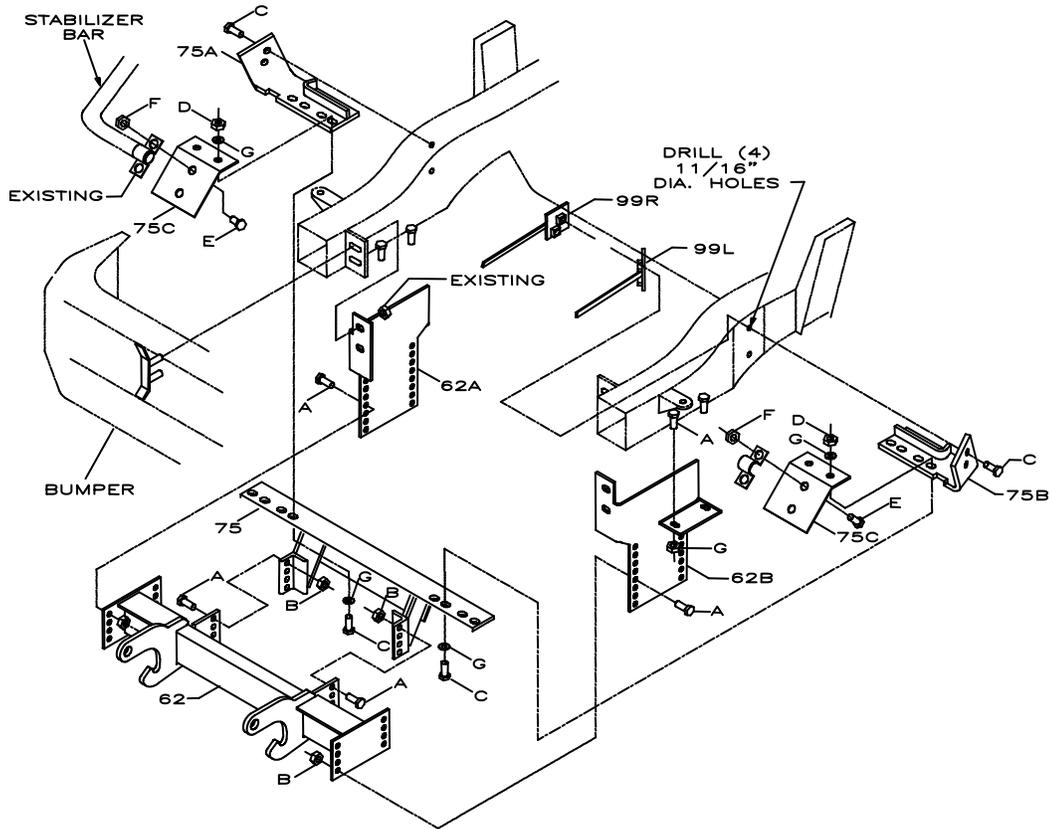


Figure 1

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RECOMMENDED PUSHBEAM HEIGHT

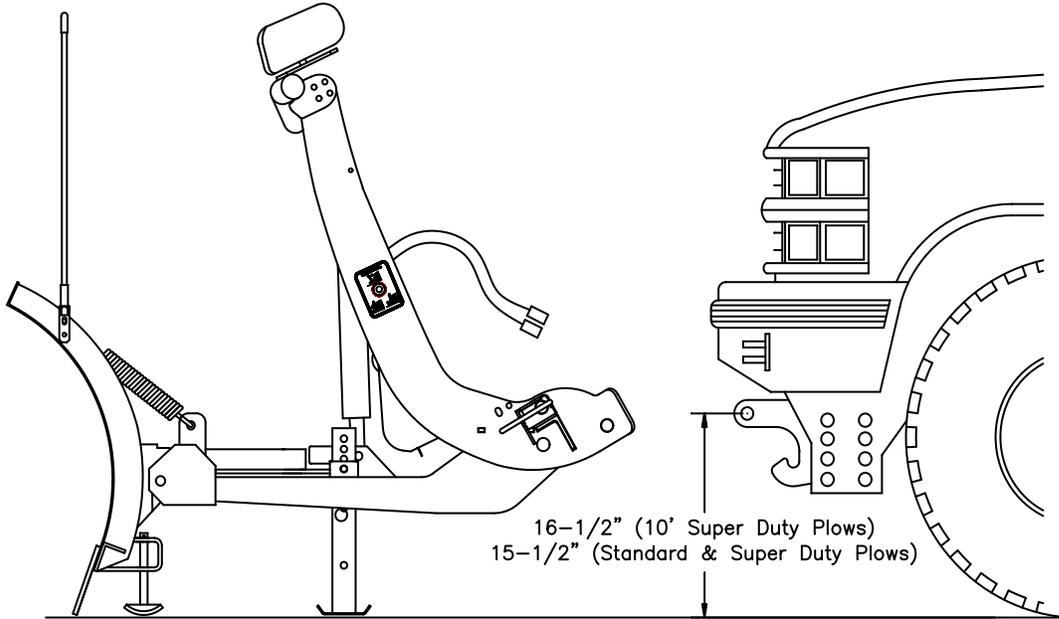


Figure 2

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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