

BOSS PRODUCTS
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**1979 - 1987 CHEVROLET
RT3 UNDERCARRIAGE
MOUNTING INSTRUCTIONS
(PART NO. LTA03660)**

PUSHING THE EDGE

MSC04023-4

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.

1979 - 1987 CHEVROLET RT3 UNDERCARRIAGE MOUNTING INSTRUCTIONS

The mounting procedure outlined below covers CHEVROLET (1979 - 1987) $\frac{1}{2}$, $\frac{3}{4}$, and 1 ton 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 two tow Hooks, if present. Remove the (2) $\frac{7}{16}$ " – 14 bolts securing the diagonal bumper brace to the frame. Position the PUSH BEAM SUPPORT PLATES (Ref. 62A and 62B, Fig. 1) to the front frame rails of the truck. Use the $\frac{1}{2}$ " – 13 x 3" hex head bolts, $\frac{1}{2}$ " flat washers, and $\frac{1}{2}$ " – 13 hex head self-locking nuts to bolt the PUSH BEAM SUPPORT PLATES and the Tow Hooks in place in front. The existing top bolt in each Tow Hook is re-used. The Tow Hooks must be swapped left to right & right to left on the truck. Use the $\frac{7}{16}$ " – 14 x 1 – $\frac{3}{4}$ " hex head bolts, $\frac{7}{16}$ " flat washers and $\frac{7}{16}$ " lock washers to bolt the PUSH BEAM SUPPORT PLATES in place at the back. Fasteners should only be finger tight.
2. Bolt the PUSH BEAM (Ref. 62, Fig. 1) in place using the $\frac{5}{8}$ " – 1 x 1- $\frac{1}{2}$ " hex head bolts provided. Fasteners should only be finger tight.

NOTE: The proper height adjustment for the PUSH BEAM is approximately 15- $\frac{1}{2}$ " from the ground to the center of the PUSH BEAM pin-receiving hole (See Figure 2).

3. Position the ANGLE BRACKET (RH) (Ref. 75A, Fig. 1) as shown in Figure 1 and attach to the PUSH BEAM ASSEMBLY (Ref. 62, Fig. 1) using two 12" – 13 x 1- $\frac{1}{2}$ " hex head bolts and $\frac{1}{2}$ " hex head self-locking nuts. After making sure the PUSH BEAM ASSEMBLY is level, raise the frame mount end of the ANGLE BRACKET (RH) up to the frame. Mark and drill an 11/16" hole into the frame, then attach the ANGLE BRACKET (RH) to the frame using one $\frac{5}{8}$ " – 11 x 1- $\frac{1}{2}$ " hex head bolt, $\frac{5}{8}$ " flat washer, and $\frac{5}{8}$ " – 11 hex head self locking nuts.

4. Position and secure the ANGLE BRACKET (LH) (Ref. 75B, Fig. 1) in the same manner as the ANGLE BRACKET (RH). Use the 5/8" – 11 x 2" BOLT BAR (Ref. F, Fig. 1) to insert inside the frame crossmember.
5. Re-check that the PUSH BEAM is level, then tighten all fasteners to the torque specified in Figure 3.
6. 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.

1979 - 1987 CHEVROLET RT3 UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Push Beam Assembly	PBA03661	1
62A	Push Beam Support Plate (RH)	PBA03541	1
62B	Push Beam Support Plate (LH)	PBA03542	1
75A	Angle Bracket (RH)	LTA03543	1
75B	Angle Bracket (LH)	LTA03544	1
	UNDCG HDW BAG, CHEVY 87&OLDER	HDW05505	1
Includes:			
A	5/8" – 11 x 1- 1/2" Hex Head Bolt	HDW01727	4
B	5/8" – 11 Hex Head Self Locking Nut	HDW01709	2
C	5/8" Flat Washer	HDW05556	2
D	5/8" Lock Washer	HDW05561	4
E	5/8" – 11 x 2" Hex Head Bolt	HDW01731	1
F	5/8" – 11 x 2" Bolt Bar	PBA03554	1
G	1/2" – 13 x 3" Hex Head Bolt	HDW05508	2
H	1/2" – 13 x 2" Hex Head Bolt	HDW01755	4
J	1/2" – 13 Hex Head Self Locking Nut	HDW01748	6
K	7/16" – 14 x 1- 3/4" Hex Head Bolt	HDW05560	4
L	7/16" Flat Washer	HDW05561	4
M	7/16" Lock Washer	HDW05562	4

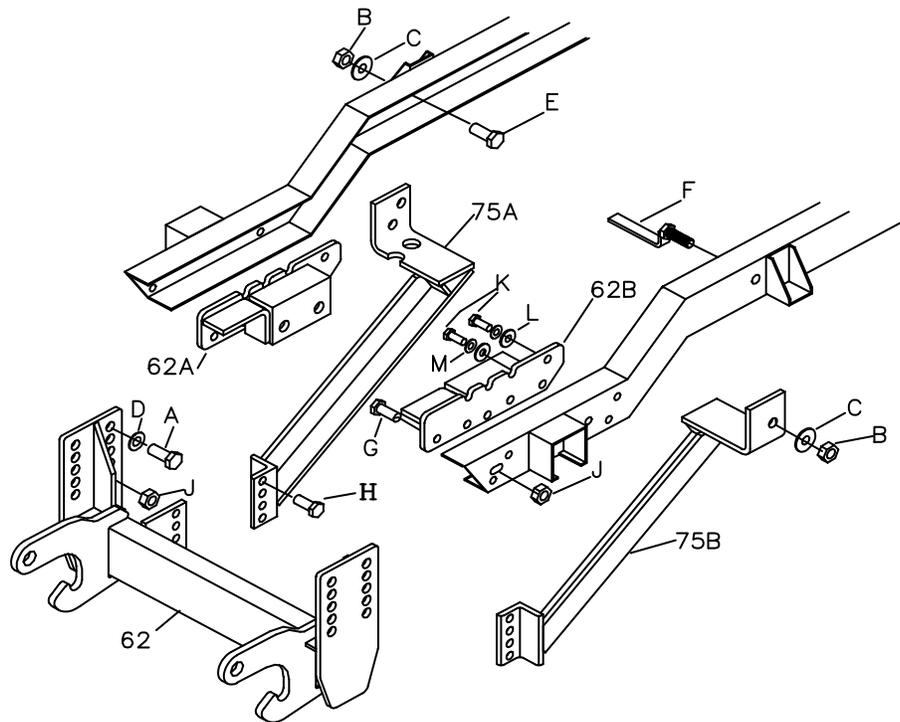


Figure 1

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RECOMMENDED PUSHBEAM HEIGHT

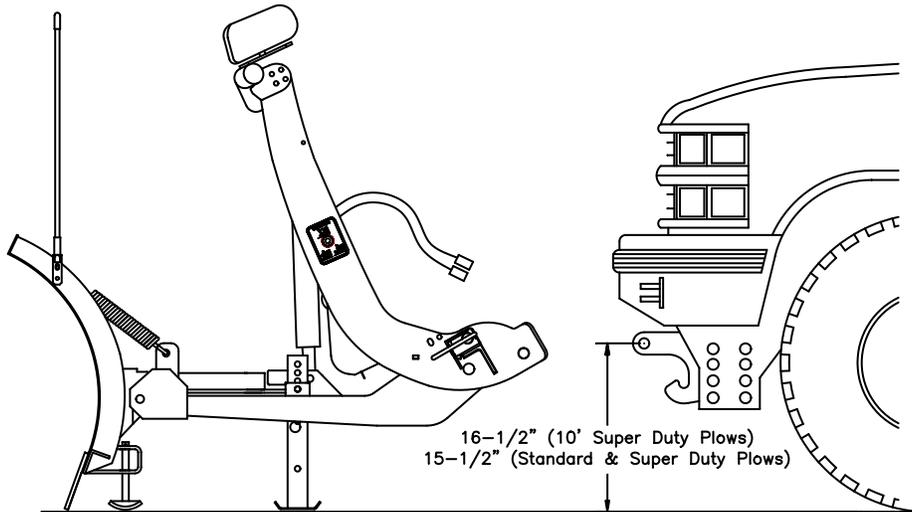


Figure 2

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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.