BOSS PRODUCTS
A Division of Northern Star Industries, Inc.
P.O. Box 787 Iron Mountain MI 49801-0787
www.bossplow.com

1973 – 1993 DODGE W250 & W350 RT II™ UNDERCARRIAGE MOUNTING INSTRUCTIONS (PART NO. LTA03545)

DRIVEN TO BE THE BEST

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 manufacturer's recommendations relating to snowplows installation. For recommended vehicle models refer to the Boss Snowplow Application Chart and Selection Guide.

1973 – 1993 DODGE W250 & W350 UNDERCARRIAGE MOUNTING INSTRUCTIONS (WITH RAPID-TACH II™)

The mounting procedure outlined below covers DODGE W250 & W350 trucks built between 1991 and 1993. 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 and Front Bumper Mounting Brackets from the Frame Horns. Unbolt each of the Front Bumper Mounting Brackets from the Front Bumper.

PUSH BEAM

2. Drill the triangular patterns of holes of the Frame Horns and Front Bumper Mounting Brackets to 9/16" diameter.

3. Position the PUSH BEAM SUPPORT PLATES (Ref. 62A and 62B, Fig. 1) and Front Bumper Mounting Brackets on the Frame Horn and attach using ½" – 13 x 2" HEX HEAD BOLTS, ½" – 13 HEX HEAD SELF LOCKING NUTS, and ½" FLAT WASHERS as shown in Figure 1. Note that 3 bolts attach through the side of the Frame Horn, and one bolt through the top of the Frame Horn.

4. Position the PUSH BEAM (Ref. 62, Fig. 1) between the PUSH BEAM SUPPORT PLATES using 5/8" – 11 HEX HEAD SELF LOCKING NUTS. The lower set of holes on each side of the push beam has a weld nut inside the push beam. A 5/8" LOCK NUT MUST BE USED ON THE LOWER 2 BOLTS ON EACH SIDE OF THE PUSH BEAM.

NOTE: The proper height adjustment for the PUSH BEAM is approximately 12- ½" for the 7'6" V or 13- ½" for the 8'2" V, 9'2" V, and straight blade models from the ground to the center of the PUSH BEAM MOUNTING ROD (see Figure 2). Should the PUSH BEAM be mounted too high, the nose of the plow will tend to dig in while plowing. If the PUSH BEAM is too low, the wings of the plow will not lay flat against the ground. This will be most apparent when plowing in the SCOOP position.

5. Position the ANGLE BRACKET (RH) (Ref. 75R, Fig. 1) between the frame rail and PUSH BEAM SUPPORT PLATE. Bolt the ANGLE BRACKET to the PUSH BEAM SUPPORT PLATE using 5/8" – 11 x 2" HEX HEAD BOLTS and SELF LOCKING NUTS.

6. Push the frame end of the ANGLE BRACKET tightly against the frame. Bolt the ANGLE BRACKET to the frame using 5/8" – 11 x 2" HEX HEAD BOLTS, 5/8" – 11 FLAT WASHERS and 5/8" SELF LOCKING NUTS.

7. Torque all fasteners to the values specified in Figure 3.

1991 – 1993 DODGE W250, W350
UNDERCARRIAGE (WITH RAPID-TACH II™)
INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
62	Push Beam Assembly	PBA03625	1
62A	Push Beam Support Plate (RH)	LTA03615	1
62B	Push Beam Support Plate (LH)	LTA03617	1
75R	Angle Bracket (RH)	LTA03619	1
75L	Angle Bracket (LH)	LTA03622	1
	FASTENER KIT, DODGE 91-93	HDW05524	1
Includes:			
A	5/8” – 11 x 2” Hex Head Bolt	HDW01731	14
B	5/8” – 11 Hex Head Self Locking Nut	HDW01709	14
C	½” – 13 x 2” Hex Head Bolt	HDW01755	8
D	½” – 13 Hex Head Self Locking Nut	HDW01748	8
E	½” Hardened Washer	HDW05501	8
F	5/8” Lock Washer	HDW03891	4

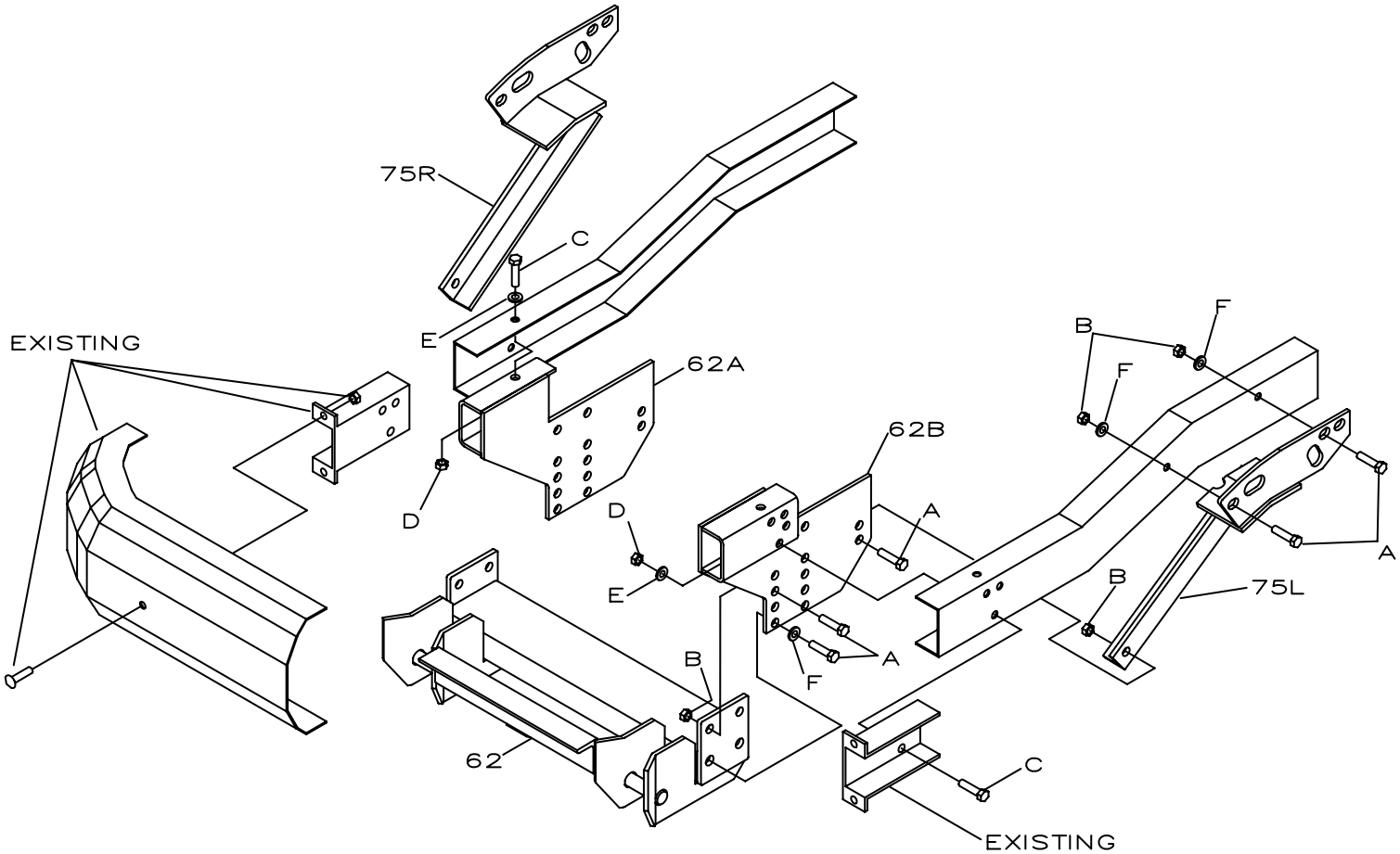

Figure 1

RECOMMENDED PUSHBEAM HEIGHT

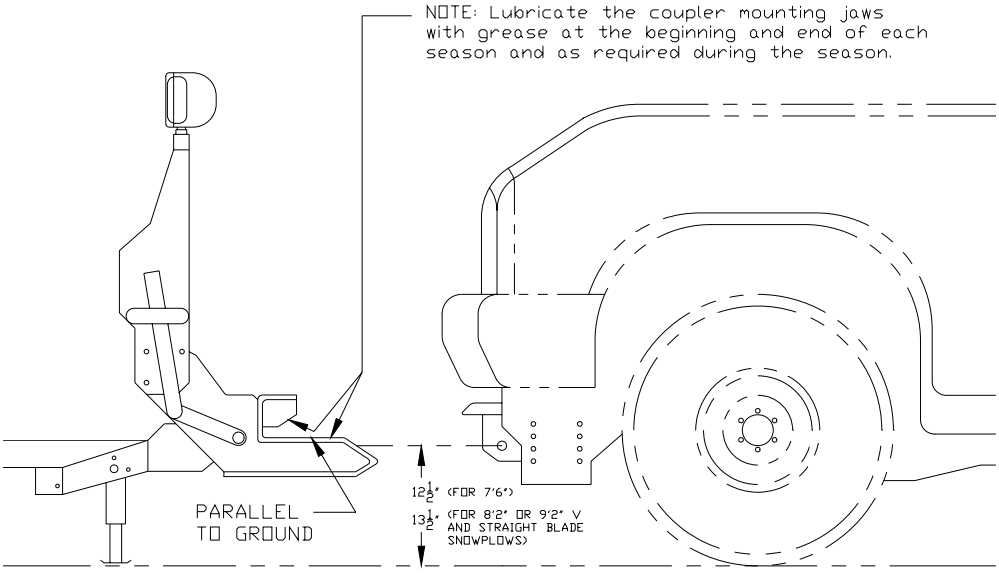

Figure 2

GUIDE TO RECOMMENDED ASSEMBLY TORQUE

All Torque Values Are In Foot-Pounds (Ft.-Lb.)

DIA./PITCH	GRADE 5	GRADE 8
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
M14 x 2.00	80	112
9/16 - 12	82	116
5/8 - 11	113	159
3/4 - 10	201	283

* The torque values listed above are based on dry, coated bolts, variables suck 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.

Figure 3