

Installation Instructions

BOSS Products limited consumer warranty and BOSS Products commercial warranty policies are located at www.BOSSPlow.com.

Patent: www.ttcopats.com.

Safety

- Always follow the vehicle manufacturer's recommendations relating to system installation. For recommended vehicle models, refer to the *BOSS Snowplow Application Chart and Selection Guide*.
- Never disable, remove, or relocate any sensors or other components related to the operation of the air bags.
- To comply with federal regulations and to assure a safe vehicle, do not exceed the front gross-axle-weight rating (FGAWR), rear gross-axle-weight rating (RGAWR), and the gross-vehicle-weight rating (GVWR) at any time.
- Due to the variety of equipment that you can install on the vehicle and undercarriage, do not exceed the front gross-axle-weight rating (FGAWR), rear gross-axle-weight rating (RGAWR), and the gross-vehicle-weight rating (GVWR) at any time. This may require weighing the vehicle and adding ballast as necessary. It may also limit the payload capacity of the vehicle.

Installation

Determine the left and right sides of the machine from the normal operating position.

1. Park the machine on a level surface, shut off the engine, wait for all moving parts to stop, engage the parking brake, and remove the key.
2. Rotate the cab forward.
3. Loosen the bolts on the bracket securing the front and the rear of the AC assembly to the frame.

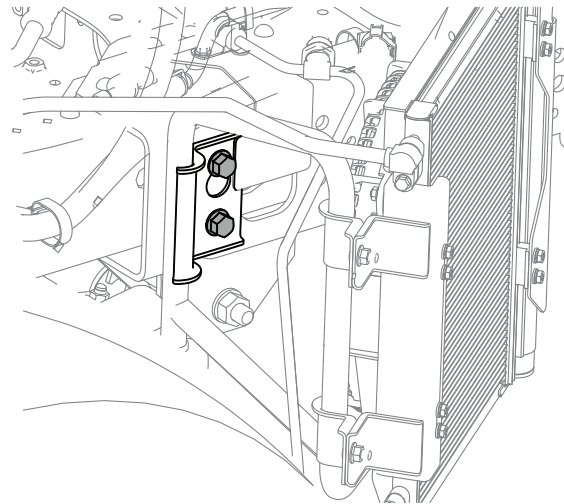


Figure 1

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4. If your vehicle contains an AC mounting bracket as shown in [Figure 2](#), the fasteners mounting the AC line may need to be loosened.

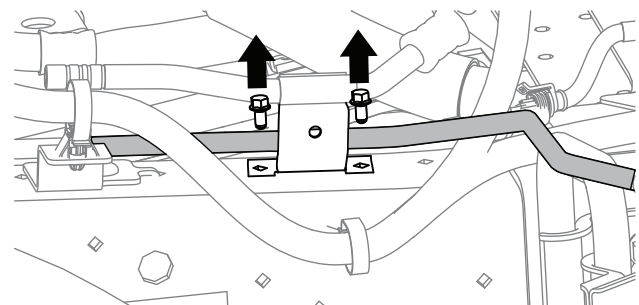


Figure 2

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- A. Remove the bolts securing the bracket in front of the AC line.
- B. Loosen the rear bracket bolt securing the AC line to the frame.
- C. Carefully lift the bracket and move the AC line in front of the bracket. Install the bolts on the bracket.

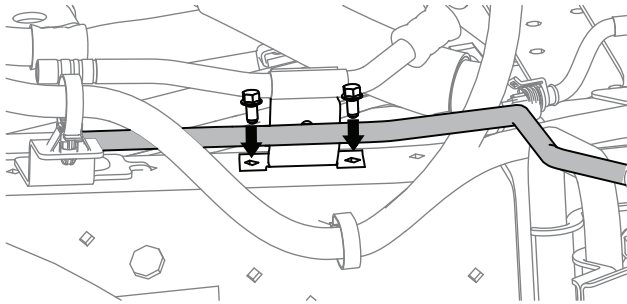


Figure 3

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5. Locate the ground on the driver side bumper frame. Rotate the ground so that the wires are at the top of the bolt.

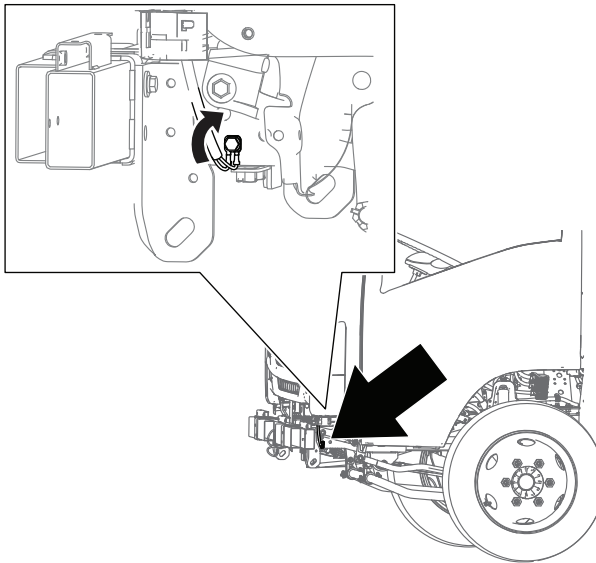


Figure 4

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6. Locate the ground on the passenger side bumper frame. Rotate the ground so that the wires are at the top of the bolt.

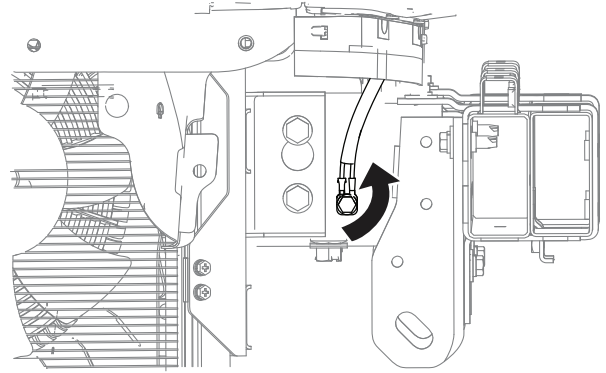


Figure 5

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7. Locate the ground on the underside of the vehicle frame.

Note: This may be located on the driver or passenger side of the vehicle.

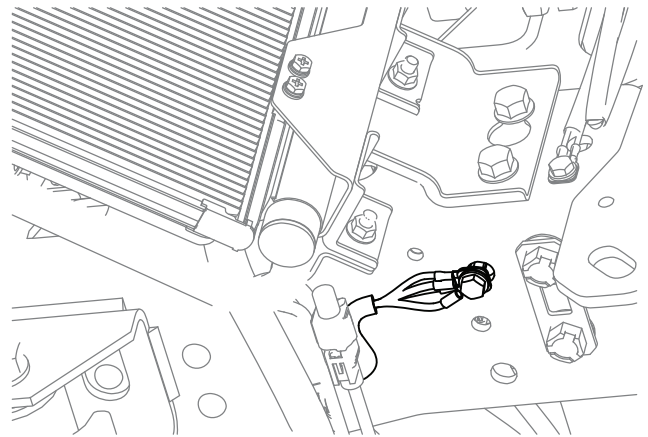


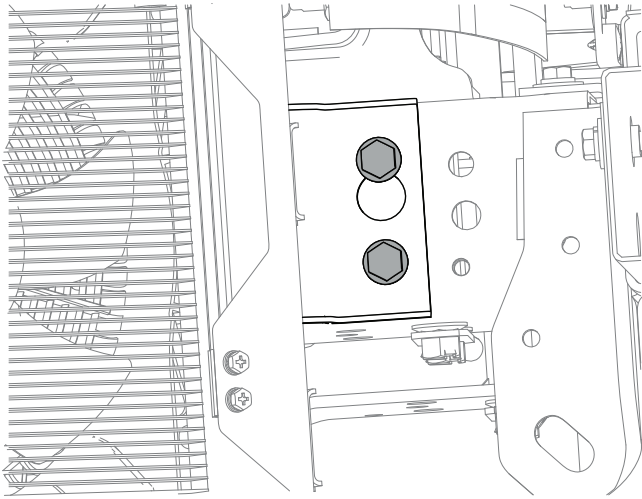
Figure 6

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8. Remove the ground wires and bolt.

Note: These will be relocated in a later step.

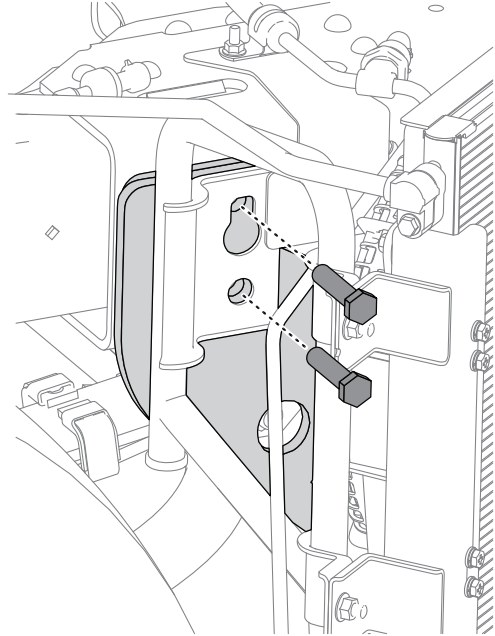
9. Remove the bolts on the bracket securing the front of the AC assembly to the frame.



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Figure 7

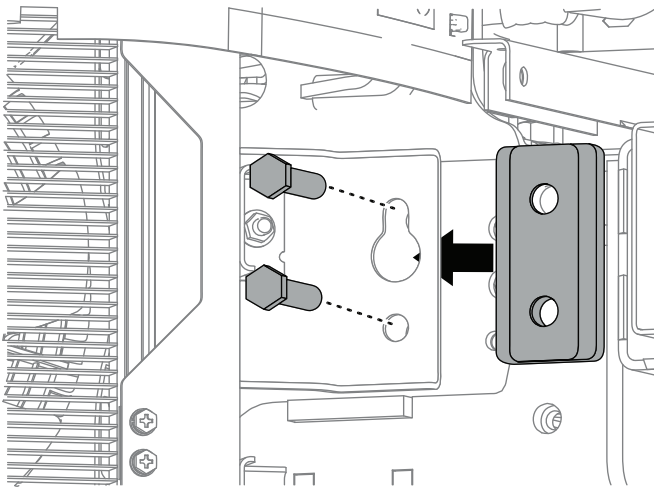
11. Remove the bolts securing the rear AC bracket to the vehicle frame, place the passenger side bracket in between them, and loosely secure with 2 bolts (M12).



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Figure 9

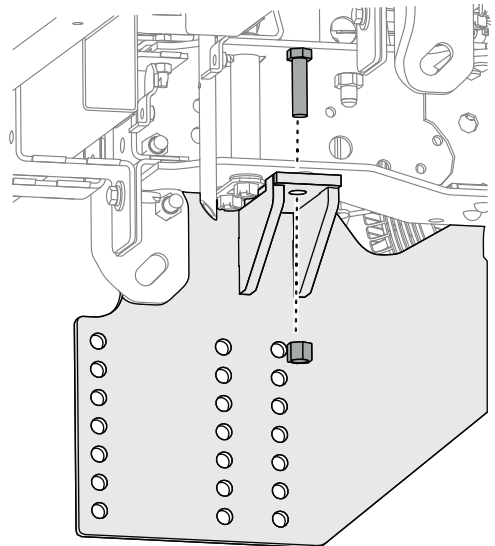
10. Install the shim assembly in between the front AC bracket and the frame. Loosely secure with 2 bolts (M12).



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Figure 8

12. Tighten the rear bracket bolt securing the AC line to the frame.
13. Loosely secure the underside of the passenger side bracket to the vehicle frame using 1 bolt (1/2 x 2 inches) and 1 nut (1/2 inch).



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Figure 10

⚠ WARNING

Using a drill without wearing eye protection may allow debris to enter the eye, causing personal injury.

When drilling, always wear eye protection.

14. Locate a position on the frame away from the side bracket. Mark and drill a 8 mm hole. Secure the ground to this new location using 1 bolt (5/16 x 1 inch) and 1 nut (5/16 inch).

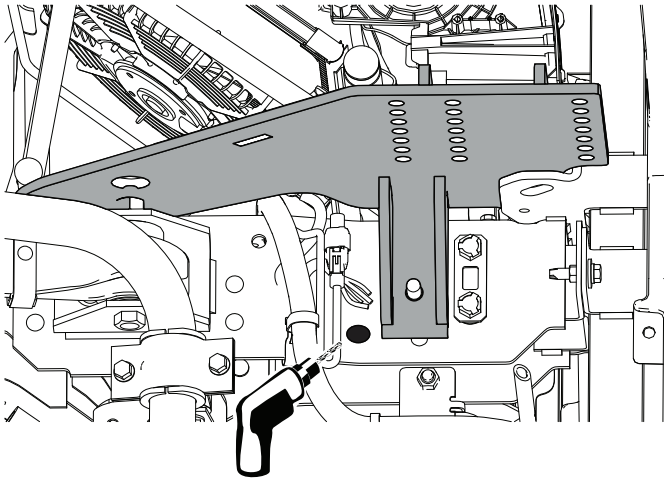


Figure 11

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15. Line up the passenger side bracket with the lower hole on the vehicle frame. Mark and drill the top and bottom holes using a 9/16 inch drill bit.

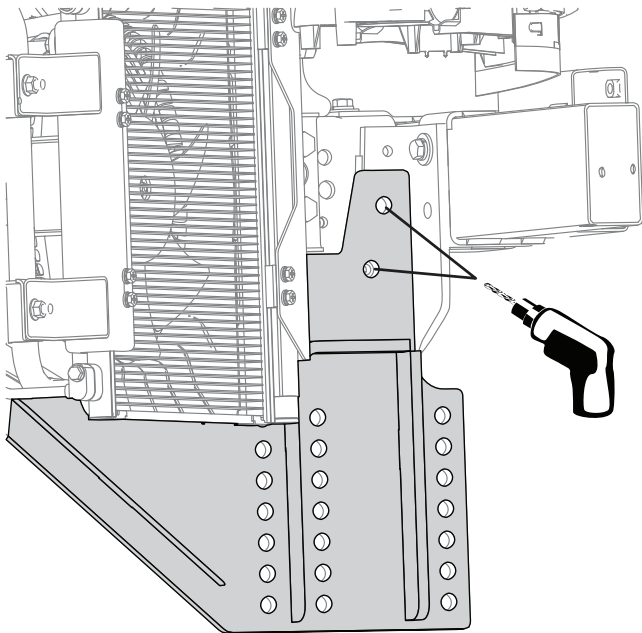


Figure 12

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16. Secure the front of the passenger side bracket to the frame using 2 bolts (1/2 x 2 inches).

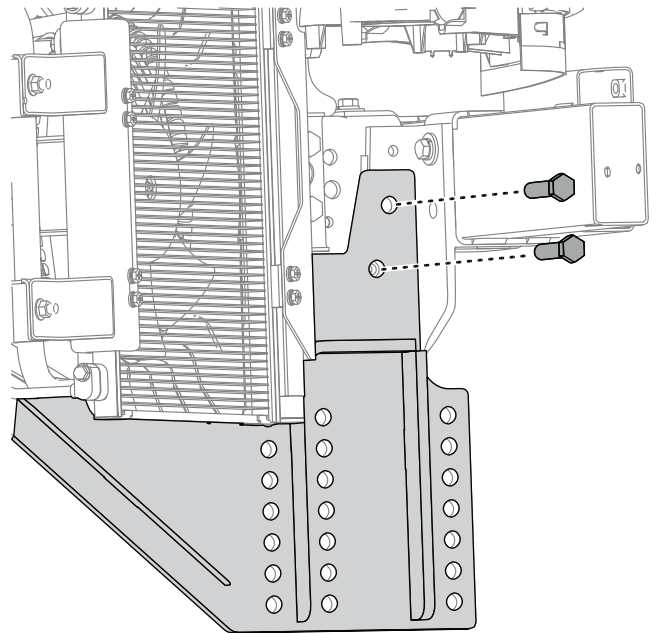


Figure 13

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17. Loosely secure the underside of the driver side bracket to the vehicle frame using 1 bolt (1/2 x 2 inches) and 1 nut (1/2 inch).

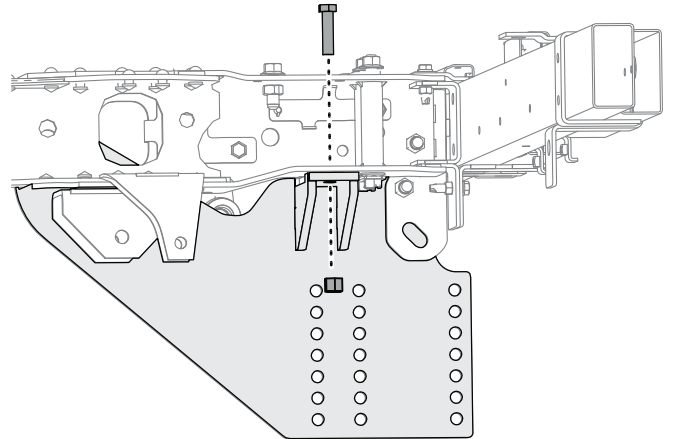


Figure 14

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18. Loosely secure the rear driver side bracket with 2 bolts (1/2 x 2 inches) and 2 nuts (1/2 inch).

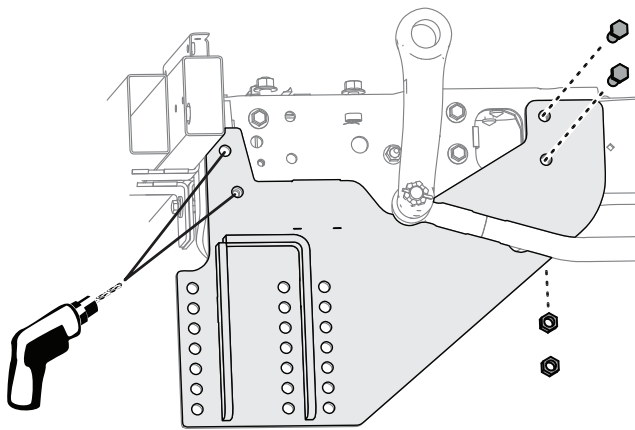


Figure 15

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19. Mark and drill the top and bottom holes using a 9/16 inch drill bit.
20. Loosely secure the driver side bracket with 2 bolts (1/2 x 2 inches), 1 washer, and 2 nuts (1/2 inch).

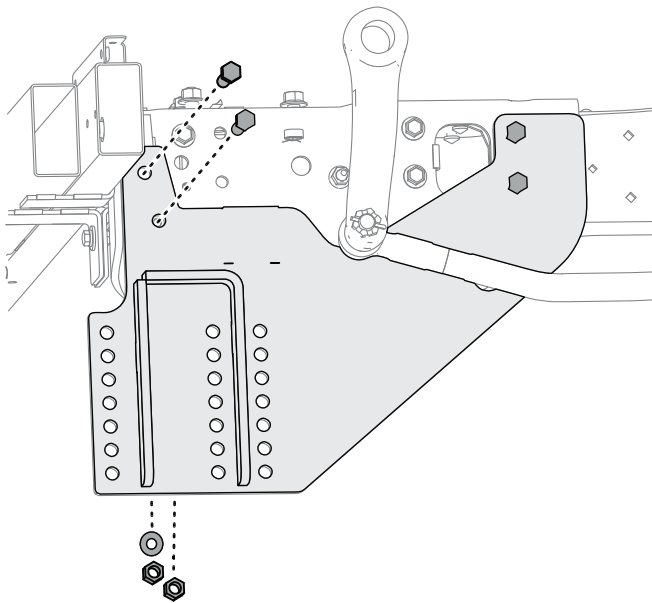


Figure 16

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21. Loosely secure the pushbeam according to your model:

Note: Refer to your plow *Owner's Manual* and www.BOSS.com for the appropriate pushbeam. Refer to the table below for the appropriate pushbeam height.

- Standard RT3 pushbeam—4 bolts (1/2 x 1-1/2 inches) and 4 nuts (1/2 inch)
- Heavy Duty pushbeam—4 bolts (1/2 x 2 inches) and 4 nuts (1/2 inch)

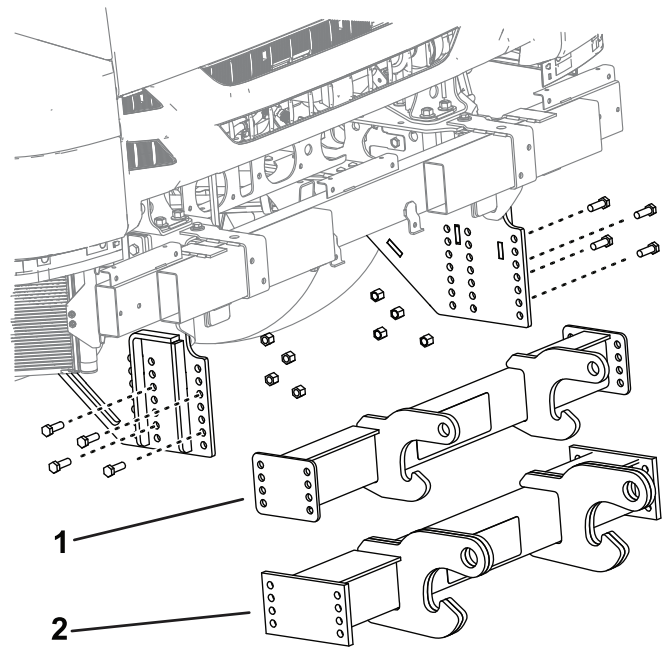


Figure 17

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1. Standard pushbeam
2. Heavy duty pushbeam

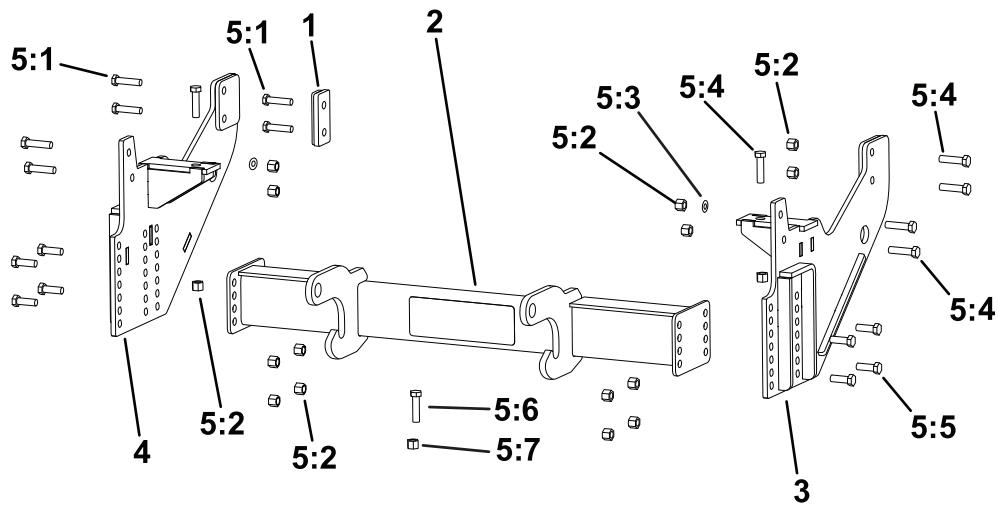
Recommended Pushbeam Height

Plow Type	Recommended Pushbeam Height
Rear Mounted Plow	48 cm (19 inches)
UTV	44-1/2 cm (17-1/2 inches)
Heavy Duty	15 cm (16-1/2 inches)
Standard Duty	39 cm (15-1/2 inches)
HTX/Sport Duty	37 cm (14-1/2 inches)

22. Torque all the fasteners to the following specifications:

- M12 bolts to 89 N·m (66 ft-lb)
- 1/2-inch bolts to 76 N·m (56 ft-lb)
- 5/16-inch bolts to 20 N·m (177 in-lb)

23. Raise the cab.



Parts

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Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	PBA25850-03	1	BRACKET,SHIM,GM LCF 35/45/5500	5:1	HDW06351	4	HHCS, M12-1.25 X 50 MM, CLASS 10.9, YZN
2	PBA25801-03 (for model LTA25100)	1	PUSHBEAM,GM LCF 35/45/5500	5:2	HDW01748	18	NUT,1/2-13,NYL INS,YZN
	PBA25825-03 (for model LTA25110)	1	PUSHBEAM,HD,GM LCF 35/45/5500,ISUZU,17	5:3	HDW01729	2	WASHER,1/2,F436 HARD,F/W,YZN
3	PBA25840-03	1	DS,PBSP,GM LCF 35/45/5500,ISUZ	5:4	HDW01755	16	HHCS,1/2-13X2,GR5,YZN
4	PBA25830-03	1	PS,PBSP,GM LCF 35/45/5500, ISU	5:5	HDW01728 (for model LTA25100)	8	HHCS,1/2-13X1-1/2,NC,GR5,YZN
5	HDW25843	1	Fastener Kit,GM LCF 35/45/5500		HDW01755 (for model LTA25110)		HHCS,1/2-13X2,GR5,YZN
				5:6	HDW01713	1	HHCS,5/16-18X1,NC,GR5,YZN
				5:7	HDW01714	1	NUT,5/16-18,NYL INS,YZN

Notes:

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S N O W P L O W