

## RT3 Undercarriage

2025 and After GM 4500, 5500 or Isuzu NPR/NRR Diesel Truck

Part No. LTA28320—Serial No. 400000000 and Up

Part No. LTA28330—Serial No. 400000000 and Up

### Installation Instructions

BOSS Products limited consumer warranty and BOSS Products commercial warranty policies are located at [www.BOSSPlow.com](http://www.BOSSPlow.com).

Patent: [www.ttcopats.com](http://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. Remove the 4 bolts securing the rear AC bracket to the vehicle frame.

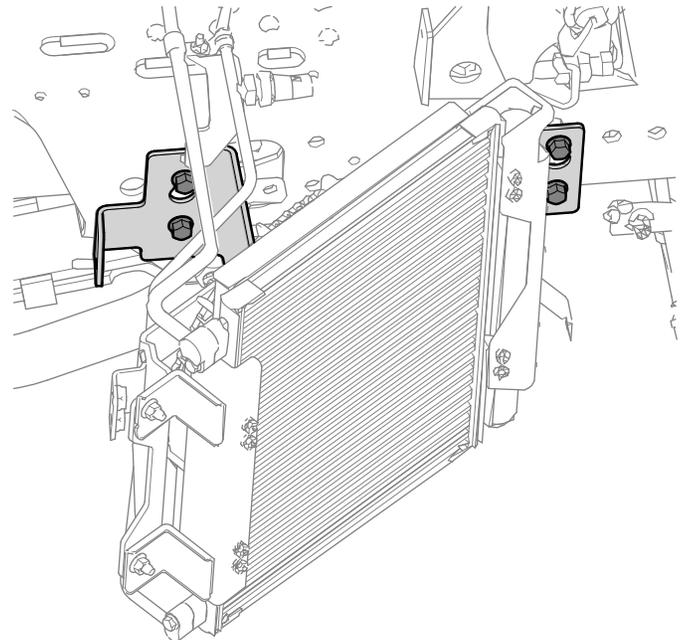


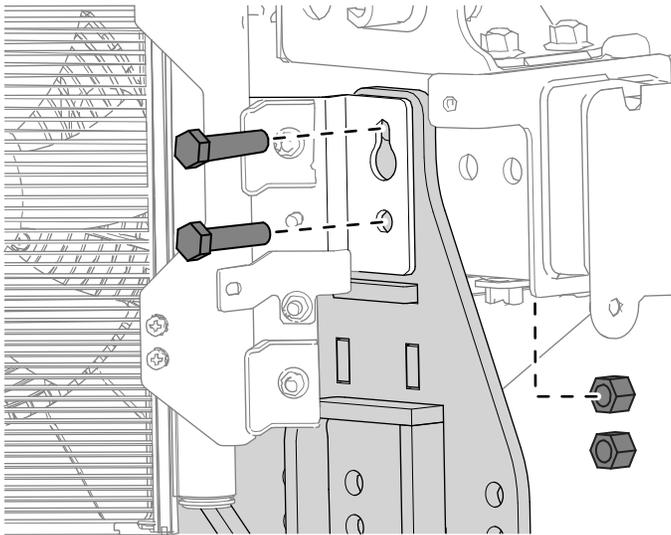
Figure 1

**⚠ WARNING**

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

When drilling, always wear eye protection.

4. Drill out the 4 existing holes in the vehicle frame using a drill bit (9/16 inch) and remove the captive nuts.
5. Place the passenger side bracket between the AC bracket and the vehicle frame, and loosely secure the bracket to the frame with 4 bolts (1/2 x 2 inches) and 4 nuts (1/2 inch).

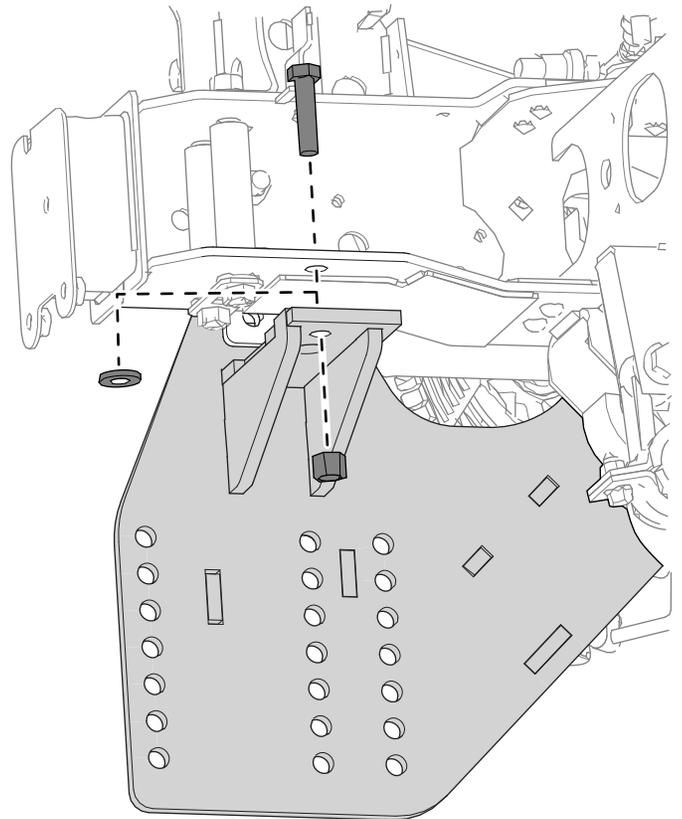


**Figure 2**

Passenger side bracket—front

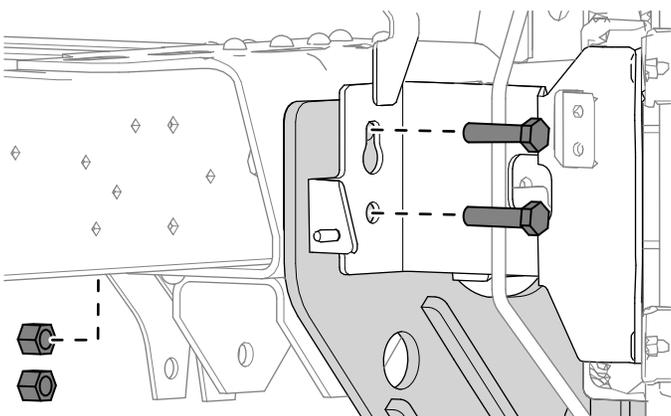
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6. Loosely secure the underside of the passenger side bracket to the vehicle frame using 1 bolt (1/2 x 2 inches), 1 flat washer, and 1 nut (1/2 inch). The washer should be placed between the underside of the truck frame and the top of the bracket.



**Figure 4**

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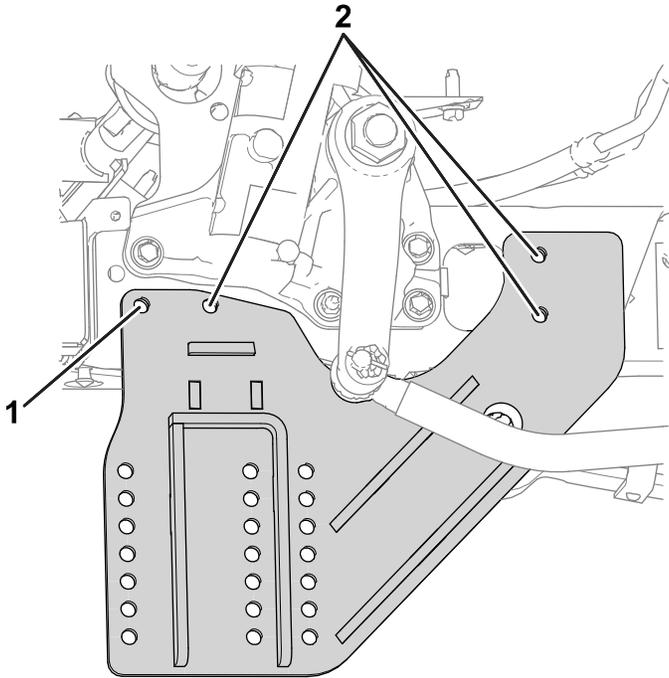


**Figure 3**

Passenger side bracket—rear

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- Line up the driver side bracket with the existing 3 holes on the vehicle frame. Mark and drill the left hole using a drill bit (9/16 inch).

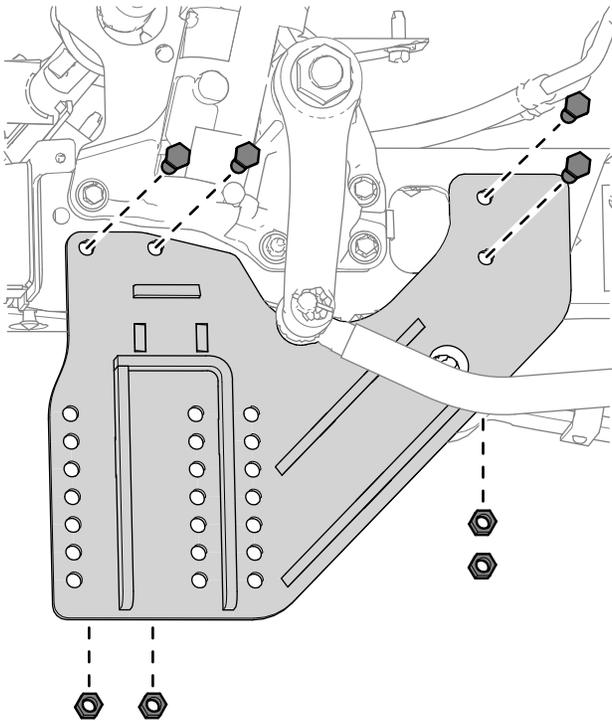


**Figure 5**

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- Mark and drill hole here
- Existing holes

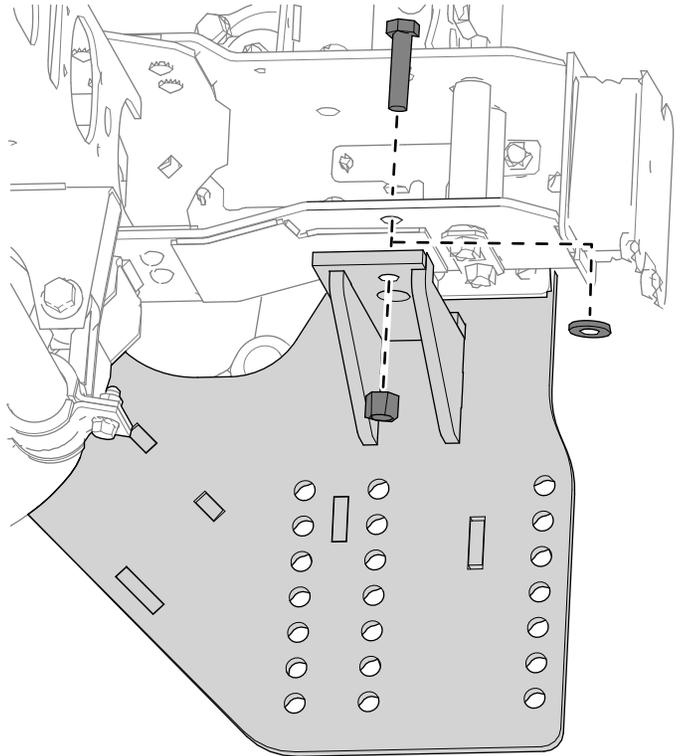
- Loosely secure the driver side bracket with 4 bolts (1/2 x 2 inches) and 4 nuts (1/2 inch).



**Figure 6**

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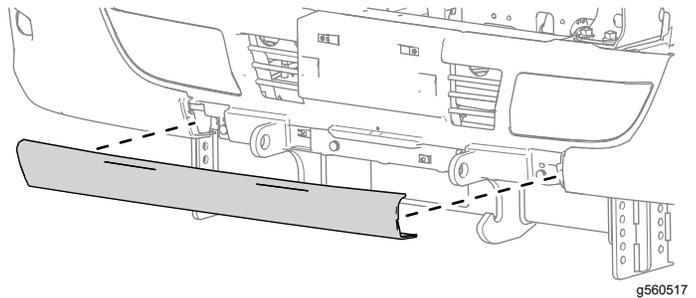
- Loosely secure the underside of the driver side bracket to the vehicle frame using 1 bolt (1/2 x 2 inches), 1 flat washer, and 1 nut (1/2 inch). The washer should be placed between the underside of the truck frame and the top of the bracket.



**Figure 7**

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- Remove the front piece of the vehicle bumper. Notch the bumper out around the pushbeam hooks.



**Figure 8**

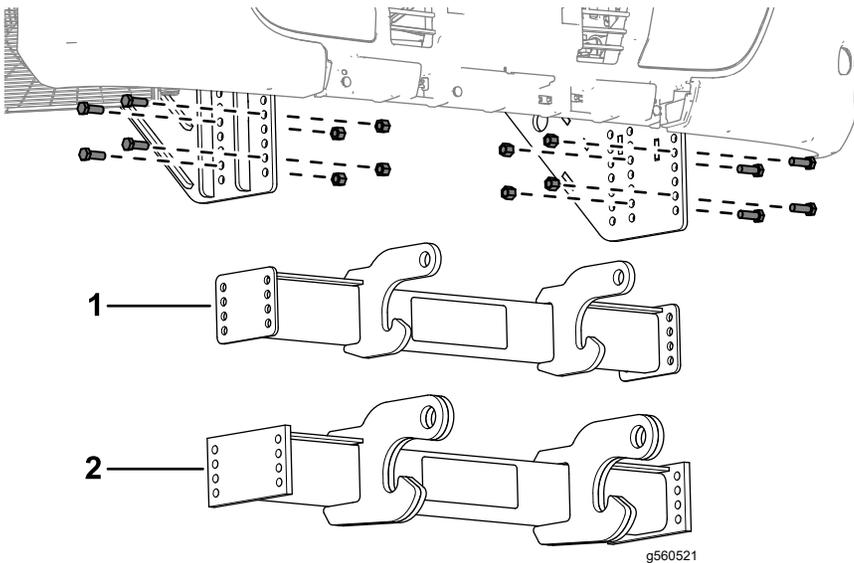
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- Loosely secure the pushbeam according to your model:

**Note:** Refer to your plow *Owner's Manual* and [www.BOSS.com](http://www.BOSS.com) for the appropriate pushbeam.

Refer to the table below for the appropriate pushbeam height.

- Standard RT3 pushbeam—8 bolts (1/2 x 1-1/2 inches) and 8 nuts (1/2 inch)
- Heavy Duty pushbeam—8 bolts (1/2 x 2 inches) and 8 nuts (1/2 inch)



**Figure 9**

- Standard pushbeam
- Heavy Duty pushbeam

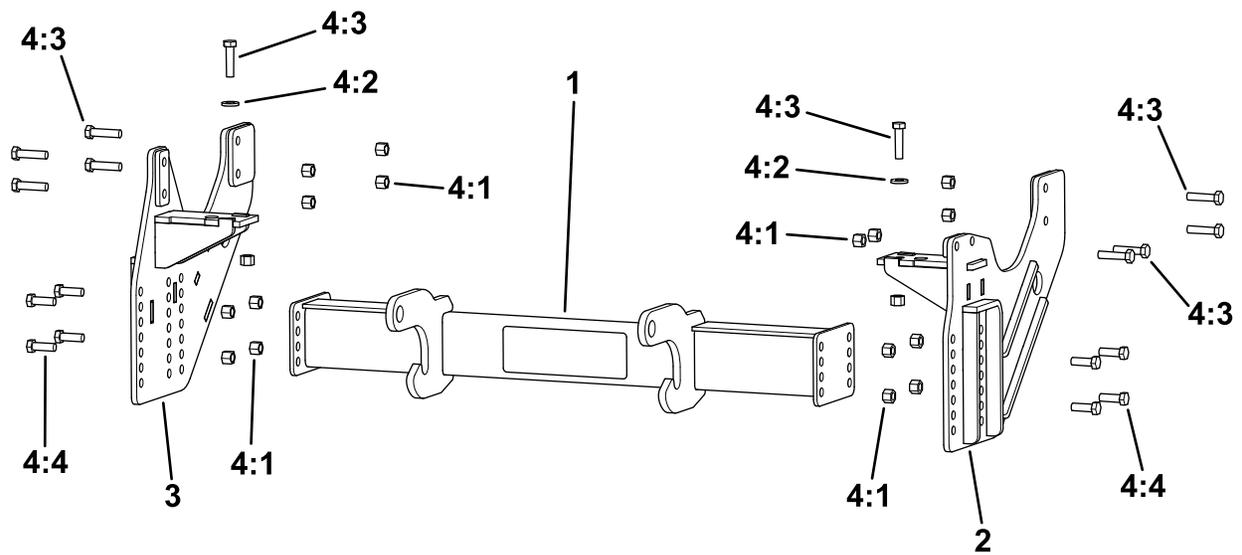
### Recommended Pushbeam Height

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)

- Torque all of the bolts (1/2 inch) to 76 N·m (56 ft-lb).

**Important:** Tighten all fasteners again after 2 hours of plowing.

- Raise the cab.



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**Parts**

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	PBA25801-03 (for model LTA28320)	1	PUSHBEAM,GM LCF 35/45/5500	4:1	HDW01748	18	NUT,1/2-13,NYL INS,YZN
	PBA25825-03 (for model LTA28330)		PUSHBEAM,HD,GM LCF 35/45/5500,ISUZU,17	4:2	HDW01729	2	WASHER,1/2,F436 HARD,F/W,YZN
2	PBA28321-03	1	DS,PBSP,GM LCF 35/45/5500,ISUZ	4:3	HDW01755	10	HHCS,1/2-13X2,GR5,YZN
3	PBA28322-03	1	PS,PBSP,GM LCF 35/45/5500, ISU	4:4	HDW01728 (for model LTA28320)	8	HHCS,1/2-13X1-1/2,NC,GR5,YZN
4	HDW28325	1	Fastener Kit,GM LCF 35/45/5500		HDW01755 (for model LTA28330)		HHCS,1/2-13X2,GR5,YZN

**Notes:**

**Notes:**

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