

Safety

- Always follow the vehicle manufacturer's recommendations relating to snowplow installation. For recommended vehicle models, refer to the *BOSS Snowplow Application Chart and Selection Guide*.
- Many newer trucks are equipped with air bags. **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, 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.

⚠ WARNING

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

When drilling, always wear eye protection.

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. Remove the front bumper and tow hook from the vehicle.
3. Loosely secure the pushbeam support plates to each side of the vehicle frame using 2 bolts (1/2 x 5-1/2 inches), 2 bolts (1/2 x 1-1/2 inches), 2 locknuts (1/2 inch), and 2 bolts (M12).
4. Mark and drill the frame for the additional bolt locations.
5. Loosely secure the remainder of the side plates using 4 bolts (1/2 x 1-1/2 inch).
6. Install the angle brackets:
 - For 2016 vehicles:
 - A. Remove the middle bolts from the factory support bracket. Use this hardware to secure the angle bracket.
 - B. Loosely secure the angle bracket to the pushbeam support plates using 4 bolts (1/2 x 2 inches) and 4 locknuts (1/2 inch).
 - C. Mark and drill the rear mounting holes.
 - D. Secure the angle brackets to the frame with 4 bolts (1/2 x 1-1/2 inches), 2 split lock washers (1/2 inch), and 2 hex nuts (1/2 inch).

Note: Use the bolt pullers to guide the bolts through the frame.



- For 2015 vehicles and earlier:
 - A. Loosely secure the angle brackets to the pushbeam support plates using 4 bolts (1/2 x 2 inches) and 4 locknuts (1/2 inch).
 - B. Mark and drill the rear mounting holes.
 - C. Install the 2 spacer plates between the frame and the angle brackets.
 - D. Loosely secure the angle brackets to the frame using 4 bolts (1/2 x 1-1/2 inches), 2 split lock washers, 2 hex nuts (1/2 inch), 2 bolts (5/8 x 2 inches), 5 split lock washers (5/8 inch), and 2 hex nuts (5/8 inch).

Note: Use the bolt pullers to guide the bolts through the frame.

- For 2007 through 2014 vehicles:
 - A. Notch the bumper using the template (Figure 1).
 - B. Newer models may require notching on the bumper rear support (Figure 2).

Note: Notching is not required for all vehicles.

7. Loosely secure the pushbeam to the pushbeam support plates using 4 bolts (1/2 x 1-1/2 inches) in the front holes and 4 bolts (1/2 x 2 inches) in the rear holes. Secure with 8 locknuts (1/2 inch).

Note: Refer to the Recommended Pushbeam Height table below.

Note: Lower the pushbeam height to reduce or eliminate bumper trimming.

Lowering the pushbeam more than 2-1/2 cm (1 inch) may affect plow performance.

- M12 bolts to 96 N·m (71 ft-lb)
- M14 bolts to 108 N·m (80 ft-lb)

9. Install the previously removed front bumper.

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	42 cm (16-1/2 inches)
Standard Duty	39 cm (15-1/2 inches)
HTX/Sport Duty	37 cm (14-1/2 inches)

8. Torque all the fasteners to the following specifications:

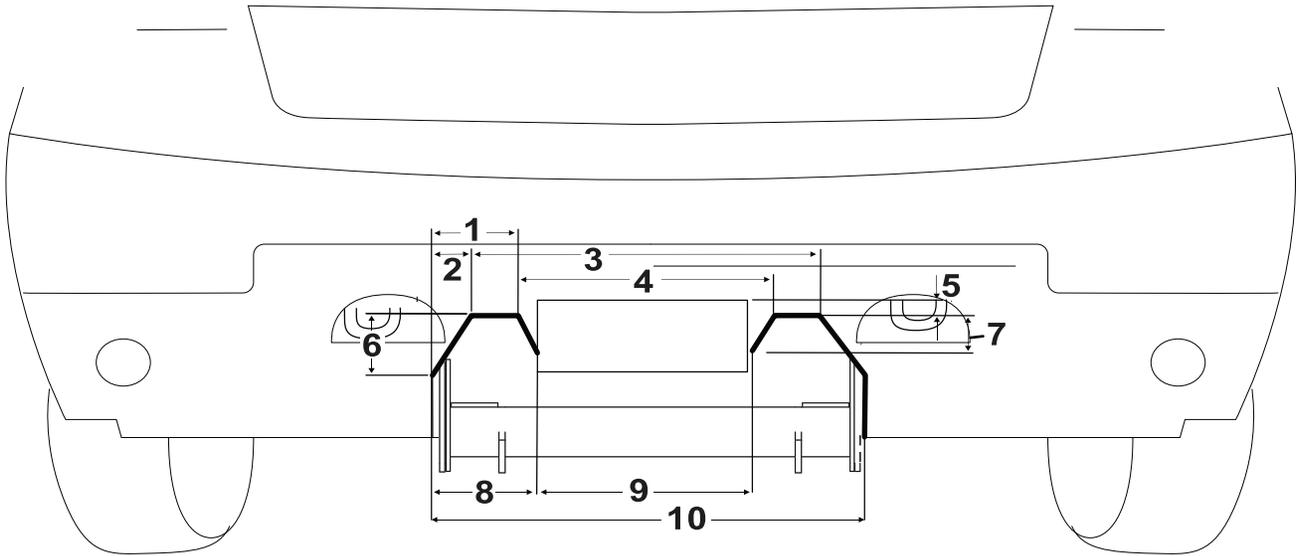
Important: Tighten all fasteners after 2 hours of plowing.

- 1/2-inch bolts to 76 N·m (56 ft-lb)
- 5/8-inch bolts to 153 N·m (113 ft-lb)

Front Bumper Template

2007 through 2013 Vehicles with a Molded Bumper

Note: Some vehicles may not require notching.



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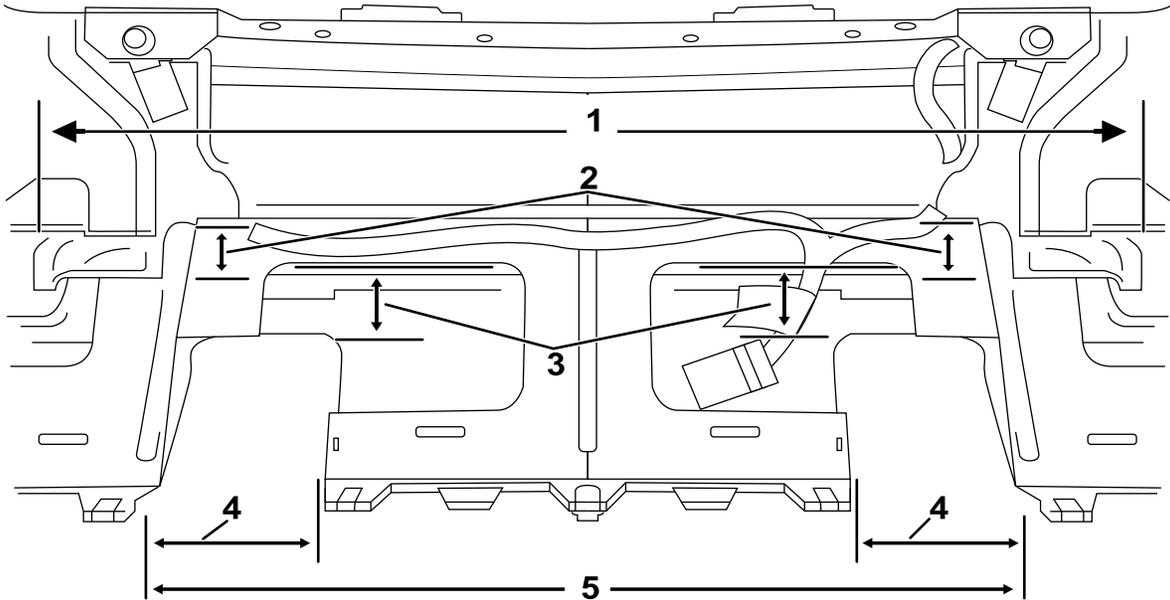
Figure 1

- | | |
|----------------------|-----------------------------|
| 1. 13 cm (5 inches) | 6. 15 cm (6 inches) |
| 2. 5 cm (2 inches) | 7. 8 cm (3 inches) |
| 3. 51 cm (20 inches) | 8. 16-1/2 cm (6-1/2 inches) |
| 4. 41 cm (16 inches) | 9. 33 cm (13 inches) |
| 5. 5 cm (2 inches) | 10. 66 cm (26 inches) |

Rear Bumper Template

2014 and Newer Vehicles

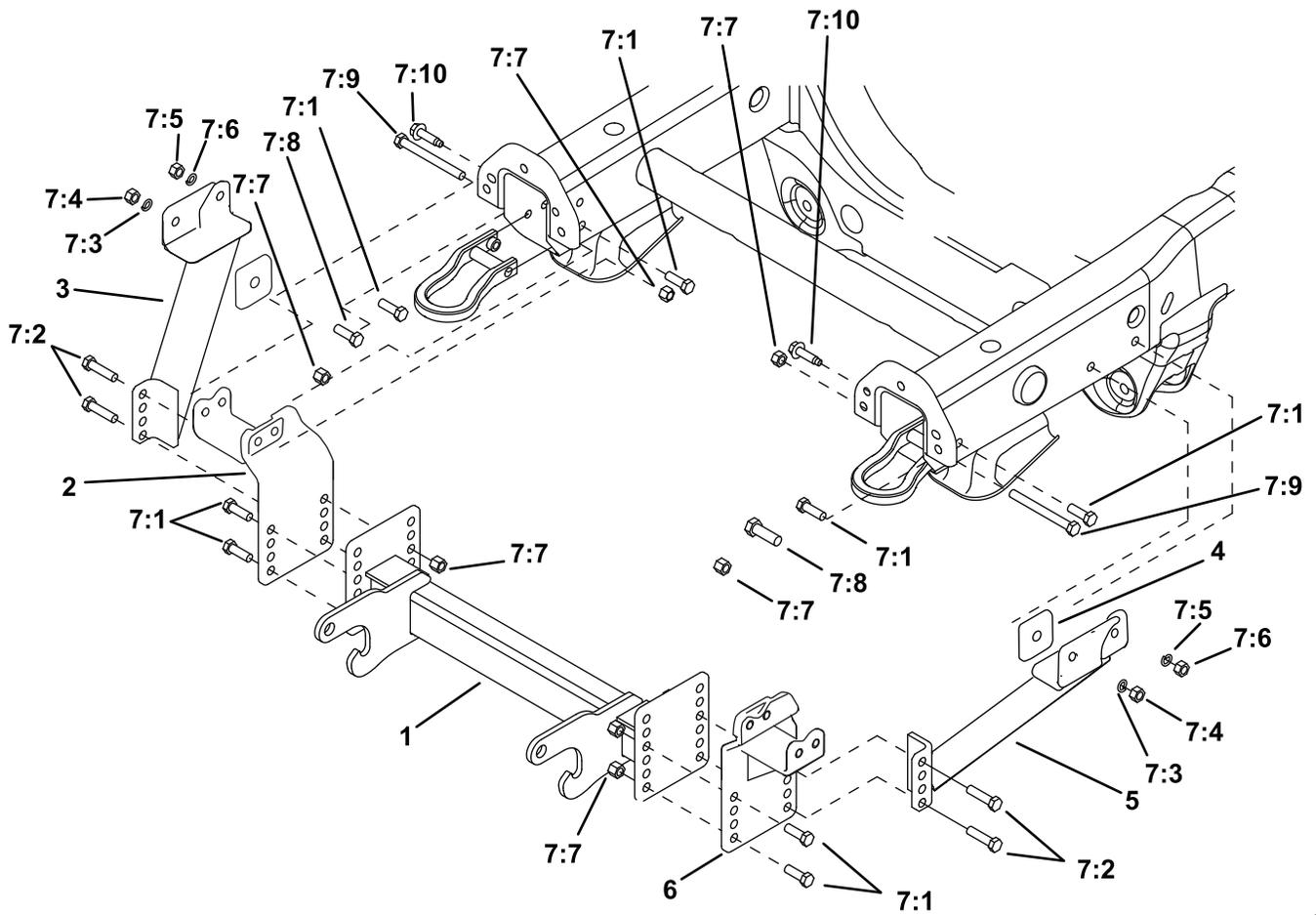
Note: Some vehicles may not require notching.



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Figure 2

- | | |
|--------------------------|--------------------------|
| 1. 67 cm (26-1/2 inches) | 4. 12 cm (4-3/4 inches) |
| 2. 3 cm (1-1/4 inches) | 5. 56 cm (22-5/8 inches) |
| 3. 4 cm (1-5/8 inches) | |



Parts

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Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	PBA09042	1	PUSHBEAM ASSEMBLY	7:1	HDW01728	8	1/2" X 1-1/2" HEX HEAD BOLT GR 5
2	PBA09012	1	PUSHBEAM SUPPORT PLATE PASSENGER SIDE (RH)	7:2	HDW01755	4	1/2" X 2" HEX HEAD BOLT GR 5
3	LTA09036	1	ANGLE BRACKET PASSENGER SIDE (RH)	7:3	HDW03891	2	5/8" SPLIT LOCK WASHER
4	LTA08978	2	ANGLE BRACKET SPACER PLATES	7:4	HDW01777	2	5/8" HEX FULL NUT
5	LTA09035	1	ANGLE BRACKET DRIVER SIDE (LH)	7:5	HDW02410	2	1/2" HEX FULL NUT
6	PBA09008	1	PUSHBEAM SUPPORT PLATE DRIVER SIDE (LH)	7:6	HDW01732	2	1/2" SPLIT LOCK WASHER
7	HDW08976	1	FASTENER KIT	7:7	HDW01748	12	1/2" NYLOCK NUT
				7:8	HDW01731	2	5/8" X 2" HEX HEAD BOLT GR 5
				7:9	HDW05525	2	1/2" X 5-1/2" HEX HEAD BOLT GR 5
				7:10	HDW08977	2	M12 X 1-3/4" X 50MM HEX FLANGE HEAD BOLT
				7:10	HDW19099	2	M14 X 2" x 80MM HEX FLANGE HEAD BOLT

Note: HDW08977 and HDW19099 are interchangeable. Choose the one that fits your vehicle.

Notes:

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