

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 push beam support plates to each side of the vehicle frame using 2 bolts (1/2-13 x 5-1/2 inches), 2 bolts (1/2-13 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 (1/2-13 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 using 4 bolts (1/2-13 x 2 inches), 4 locknuts (1/2 inch) to the push beam support plates.
 - C. Mark and drill the rear mounting holes.
 - D. Secure the angle brackets to the frame with 4 bolts (1/2-13 x 1-1/2 inches), 2 lock washers (1/2 inch), and 2 (g)nuts (1/2-13 inch).

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



- Some 2015 vehicles:
 - Note:** These may have frame changes similar to the 2016 vehicles but without the factory support bracket.
 - A. Loosely secure the angle bracket to the frame using 2 bolts (M14) and 2 spacer plates.
- For 2014 vehicles and earlier:
 - A. Loosely secure the angle brackets to the pushbeam support plates using 4 (e) bolts (1/2-13 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 (1/2-13 x 1-1/2 inches), 2 split lock washers, 2 nuts (1/2 inch), 2 bolts (5/8-11 x 2 inches), 5 split lock washers (5/8 inch), 2 nuts (5/8 inch).
 - Note:** Use the bolt pullers to guide the bolts through the frame.
- For 2007–2014 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. Install the push beam to the push beam support plates using 4 bolts (1/2-13 x 1-1/2 inches) in the front holes and 4 bolts (1/2-13 x 2 inches) in the rear holes. Secure with 1/2 inch locknuts.

Note: Refer to the Recommended Pushbeam Height table below

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

Lowering the push beam more than 1 inch may affect plow performance.

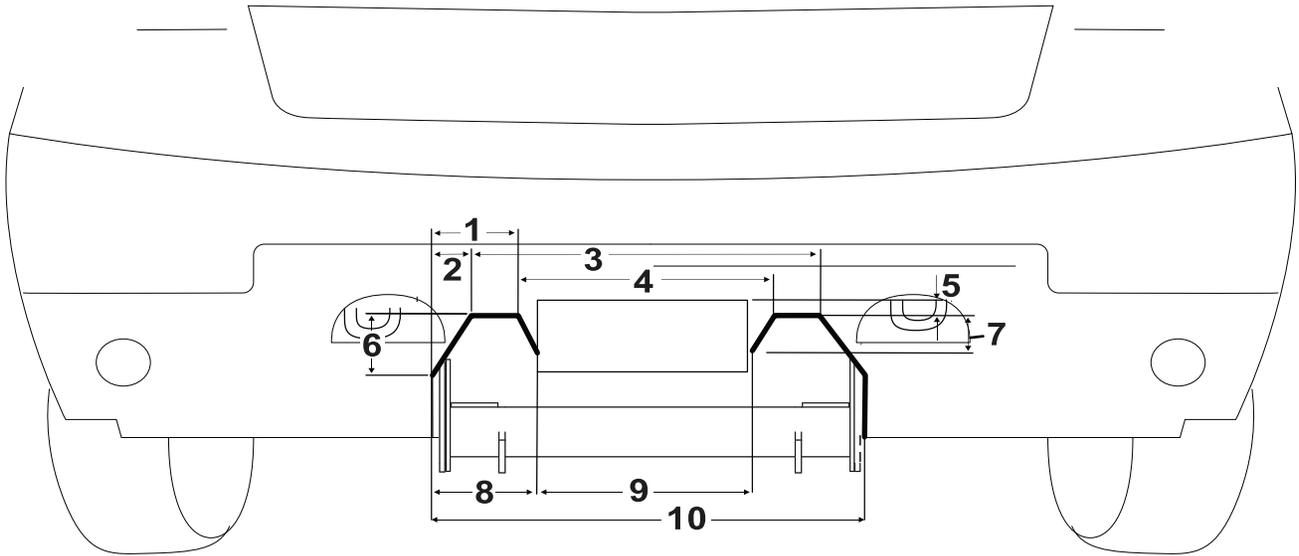
Recommended Pushbeam Height

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)

Bumper Template

2007–2013 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.

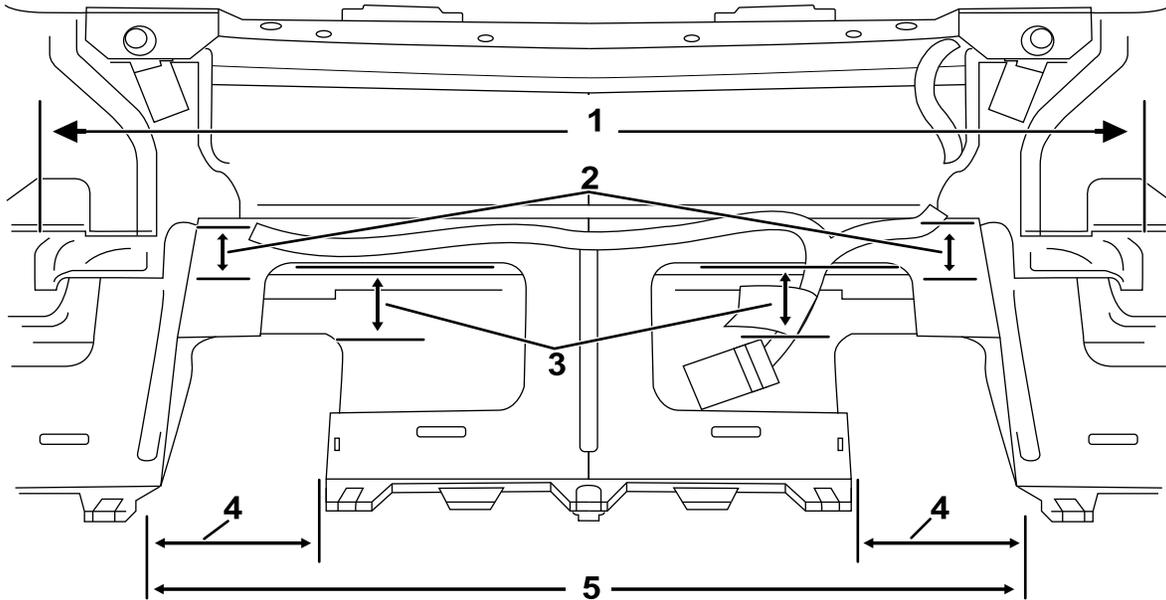
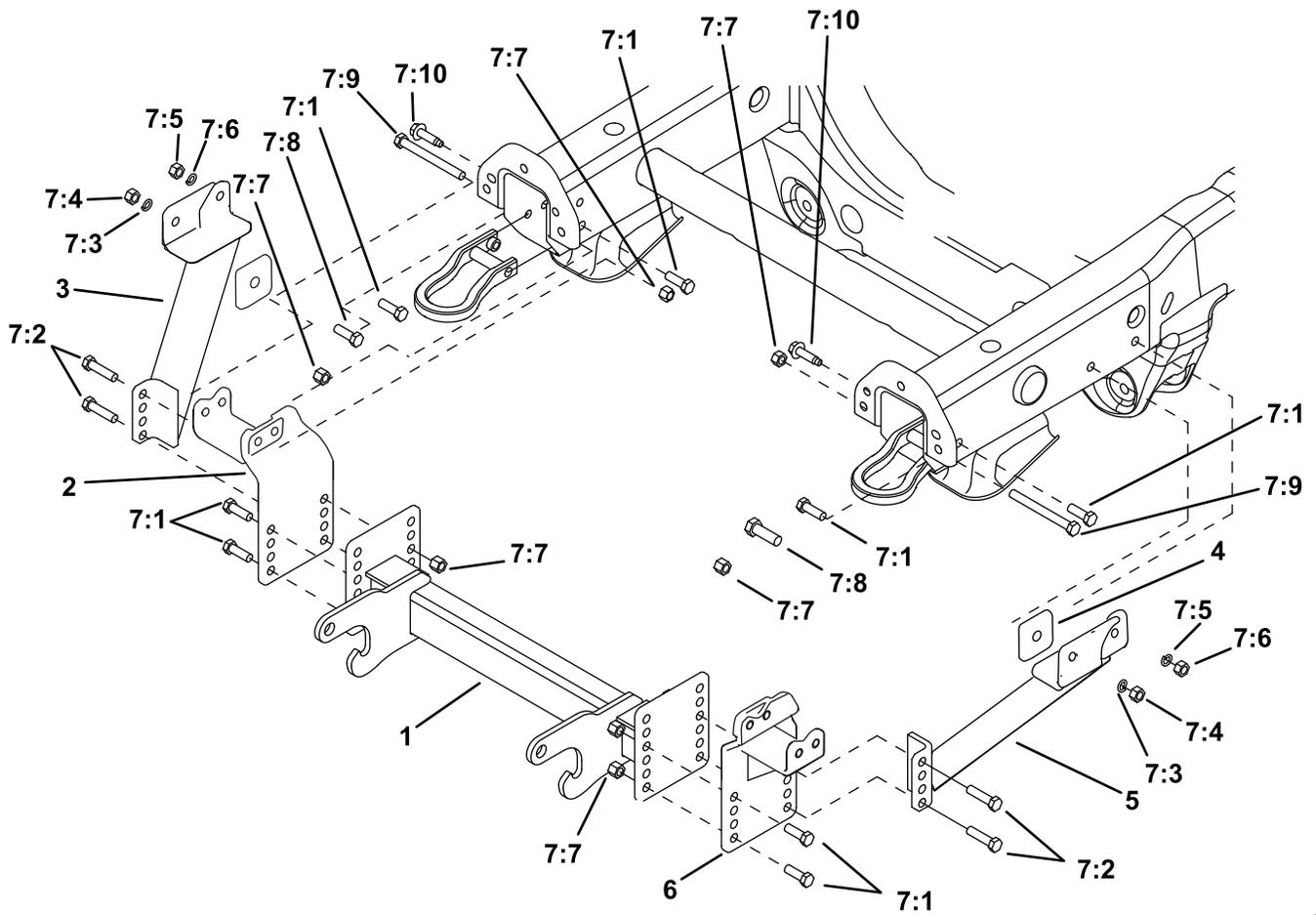


Figure 2

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- | | |
|--------------------------|--------------------------|
| 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	PBA09043	1	PUSHBEAM ASSEMBLY	7:1	HDW01728		1/2" – 13 X 1-1/2" HEX HEAD BOLT GR 5
2	PBA09012	1	PUSH BEAM SUPPORT PLATE PASSENGER SIDE (RH)	7:2	HDW01755	4	1/2" – 13 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" – 11 HEX FULL NUT
5	LTA09035	1	ANGLE BRACKET DRIVER SIDE (LH)	7:5	HDW02410	2	1/2" – 13 HEX FULL NUT
6	PBA09008	1	PUSH BEAM 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" – 13 NYLOCK NUT
				7:8	HDW01731	2	5/8" – 11 X 2 HEX HEAD BOLT GR 5
				7:9	HDW05525	2	2/2" – 13 X 5-1/2" HEX HEAD BOLT GR 5
				7:10	HDW08977	2	M12 X 1-3/4" X 50MM HEX FLANGE HEAD BOLT
				7:11	HDW19099	2	M14 X 2" X 80MM HEX FLANGE HEAD BOLT

BOSS
S N O W P L O W