

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

Patents pending.

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.

For 1999 Through 2006 Chevrolet and GMC Trucks

Part	Quantity
Pushbeam	1
Sideplate A	1
Sideplate B	1
Side strap	2
Spacer	2
Shim (1/4 inch)	2
Bolt (1/2 x 1-1/2 inches)	12
Nylon locknut (1/2 inch)	8
Bolt (5/8 x 2 inches)	2
Washer (5/8 inch)	2
Nylon locknut (5/8 inch)	2
Washer (1/2 inch)	8
Bolt (1/2 x 2 inches)	4
Nut (1/2 inch)	8

You may need to loosen or remove the spare tire to complete the installation.

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. If your vehicle has a hitch, remove it and retain the hardware.
3. Remove and retain the 14 mm bolts on the rear of the vehicle frame.



- Install the 2 side straps and spacers to the vehicle frame using 4 bolts (1/2 x 2 inches), 8 washers (1/2 inch), and 4 nuts (1/2 inch) as shown in [Figure 1](#).

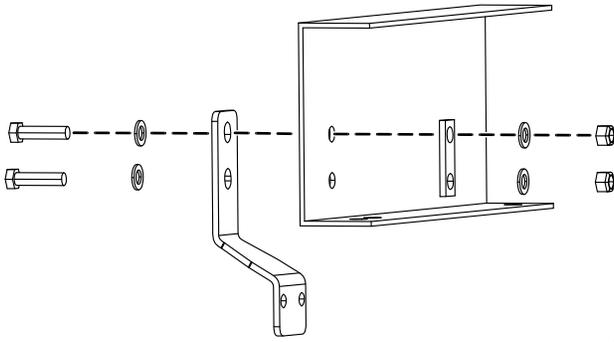


Figure 1

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- Loosely secure the rear of the sideplates to the vehicle frame using a previously removed hardware.
- Loosely secure the front of the sideplates to the vehicle frame using 2 bolts (5/8 x 2 inches), shims (1/4 inch), washers (5/8 inch), and nylon locknuts (5/8 inch) as shown in [Figure 2](#).

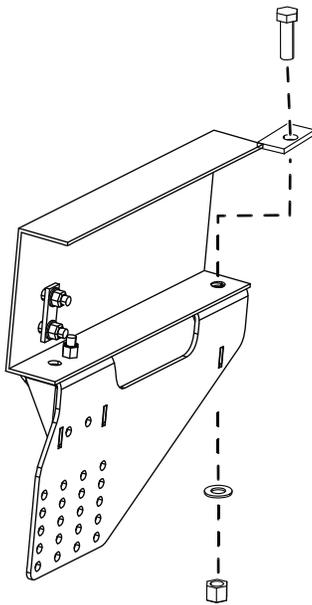


Figure 2

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- Attach the side straps to the side plates using 4 bolts (1/2 inch) and 4 nuts (1/2 inch) as shown in [Figure 3](#).

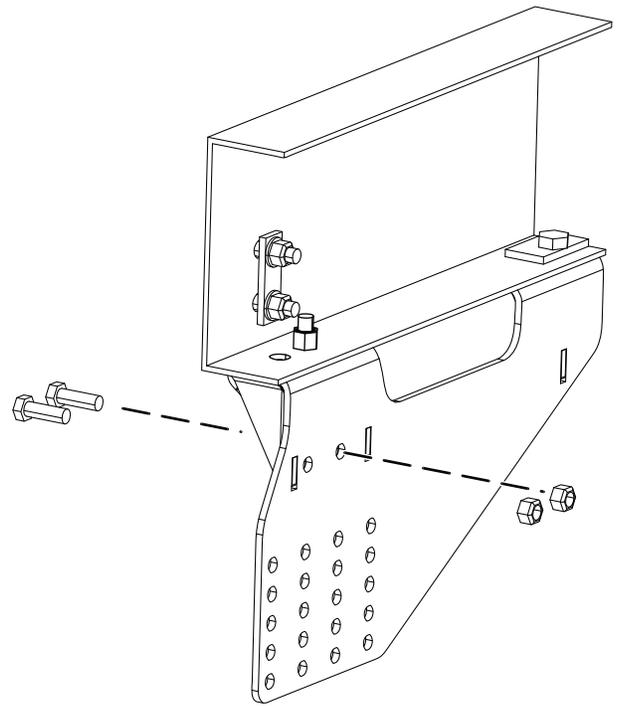


Figure 3

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- Loosely secure the pushbeam to the sideplates using 8 bolts (1/2 inch) and nylon locknuts (1/2 inch) as shown in [Figure 4](#).

Note: Refer to your plow *Owner's Manual* for the appropriate pushbeam height.

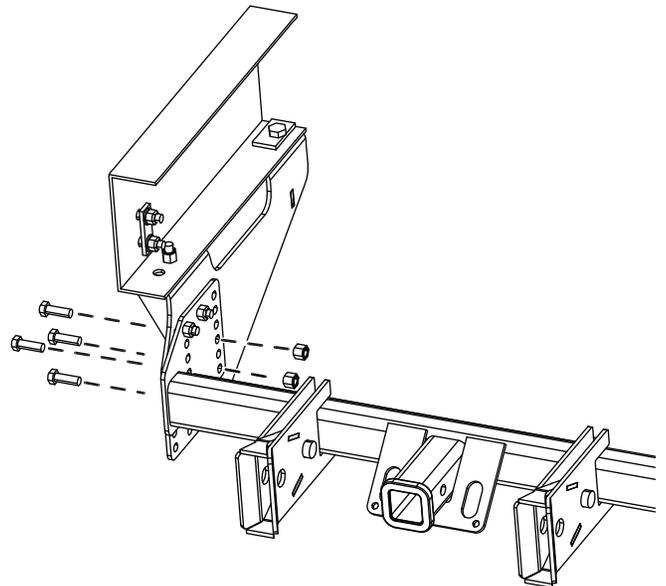


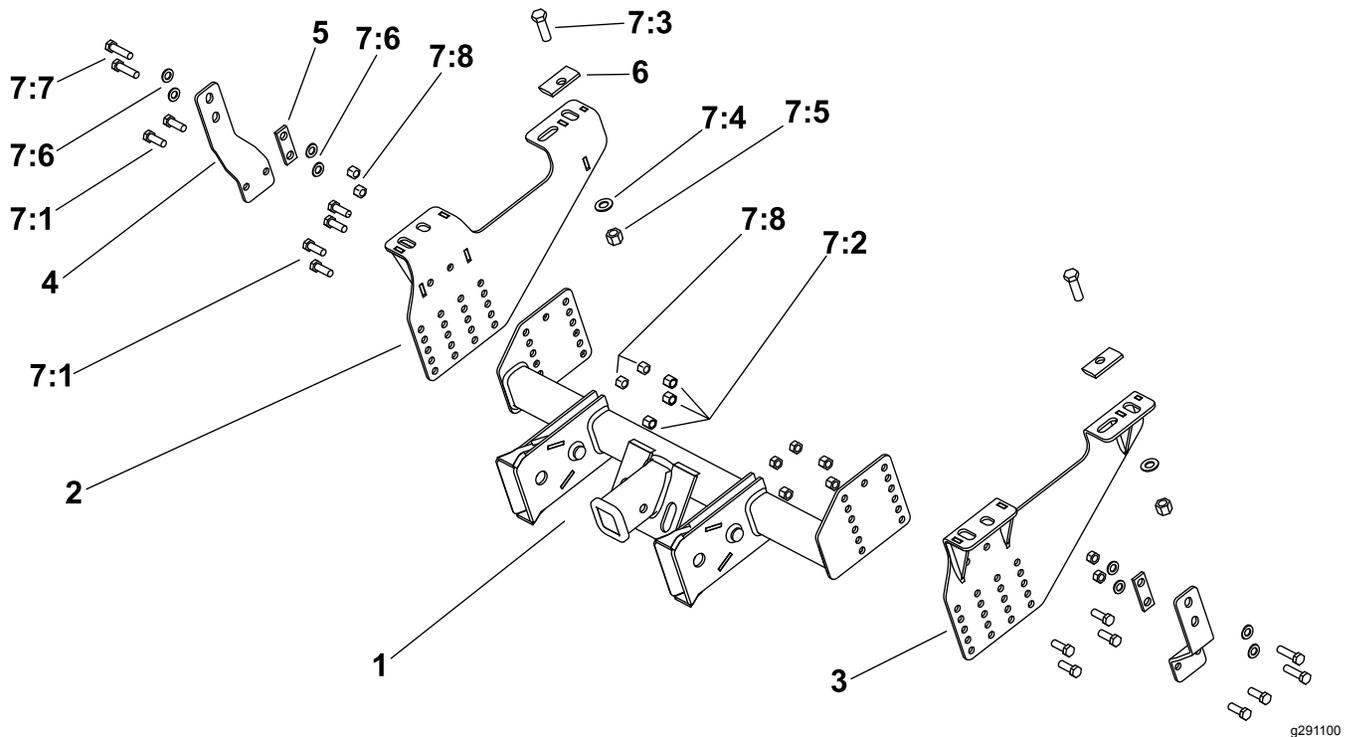
Figure 4

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- Torque all the fasteners to the following specifications:
 - 5/8-inch bolts to 153 N·m (113 ft-lb)
 - 1/2-inch bolts to 76 N·m (56 ft-lb)

Note: Refer to your vehicle manufacturer for torque specifications of existing hardware.

10. If you loosened or removed the spare tire, install and tighten it.



g291100

Figure 5
1999 Through 2006 Chevrolet and GMC Parts

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	RPL21876	1	WLDMNT, PUSHBEAM, BACKBLADE, TGS MODEL	7	HDW21877	1	FASTENER KIT, UNIV
2	RPL22925	1	SUPPORT PLT ASM A, HITCH, TGS	7:1	HDW01728	12	HHCS, 1/2-13 X 1-1/2, NC, GR5, YZN
3	RPL22926	1	SUPPORT PLT ASM B, HITCH, TGS	7:2	HDW01748	8	NUT, 1/2-13, NYL INS, YZN
4	RPL22128	2	SIDE STRAP	7:3	HDW01731	2	HHCS, 5/8-11 X 2, GR5, YZN
5	RPL22118	2	SPACER, CHEVY, DRAG PRO	7:4	HDW01726	2	WASHER, 5/8 FLAT HARDEN, YZN
6	TGS05919	2	SHIM, 1/4 PLT, 11/16 HOLE, TGS	7:5	HDW05619	2	NUT, 5/8-11, NYL INS, YZN
				7:6	HDW01729	8	WASHER, 1/2
				7:7	HDW01755	4	HHCS, 1/2-13X2, GR5, YZN
				7:8	HDW05554	8	NUT, 1/2-13, TOP L/N, GRC, YZN

For 2003 Through 2009 3/4 and 1 Ton Dodge Ram Trucks

Part	Quantity
Pushbeam	1
Sideplate A	1
Sideplate B	1
Side Strap	2
Shim (3/8 inch)	6
Bolt (1/2 inch)	12
Nylon locknut (1/2 inch)	8
Bolt (5/8 x 2 inches)	4
Washer (5/8 inch)	6
Split lockwasher (5/8 inch)	4
Bolt (5/8 x 4-1/2 inches)	2
Curved top nut (5/8 inch)	2
Nut (1/2 inch)	4
Nut (5/8 inch)	4

You may need to loosen or remove the spare tire to complete the installation.

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. If your vehicle has a hitch, do not remove it.
3. Install the side straps to the vehicle frame, using 2 bolts (5/8 x 4-1/2 inches), 2 flat washers (5/8 inch), 2 shims (3/8 inch), and 2 curved top nuts (5/8 inch) in the front hole of the strap as shown in [Figure 6](#). Secure the rear of the strap using existing hardware.

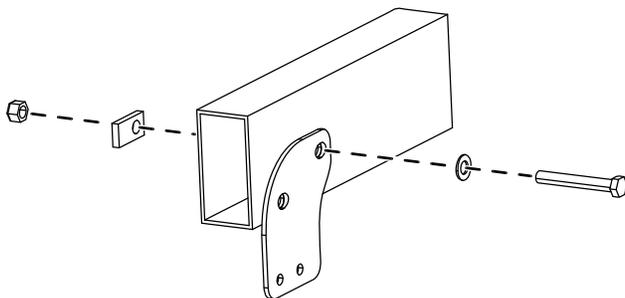


Figure 6

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4. Slide a shim (3/8 inch) on to each of the 4 bolts (5/8 x 2 inches).

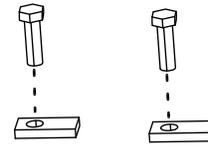


Figure 7

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5. Slide 2 bolt and shim sets into each of the vehicle frame rails and insert them through the large holes that align with the sideplates ([Figure 8](#)).

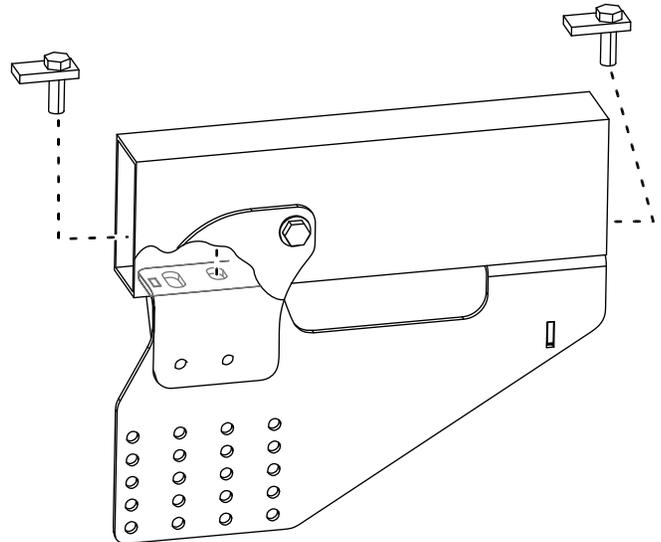


Figure 8

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6. Loosely secure the sideplates to each side of the vehicle frame using the previously installed bolt and shim, washer (5/8 inch), split lockwasher (5/8 inch), and locknut (5/8 inch) as shown in [Figure 9](#).

Note: You may need to loosen some of the hardware between the vehicle hitch sideplates and bumper support brackets.

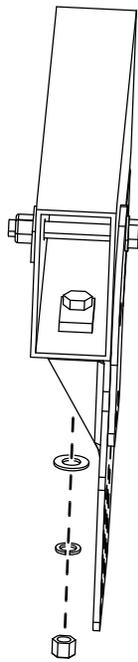


Figure 9

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7. Attach the side straps to the side plates using 2 bolts (1 x 1/2 inch) and 2 nuts (1/2 inch) as shown in Figure 10.

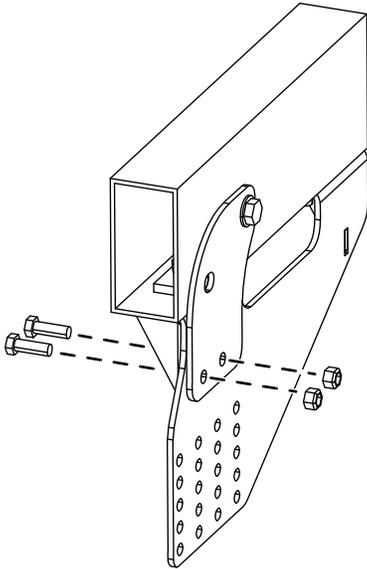


Figure 10

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8. Loosely secure the pushbeam to the sideplates using 8 bolts (1/2 inch) and nylon locknuts (1/2 inch) as shown in Figure 11.

Note: Refer to your plow *Owner's Manual* for the appropriate pushbeam height.

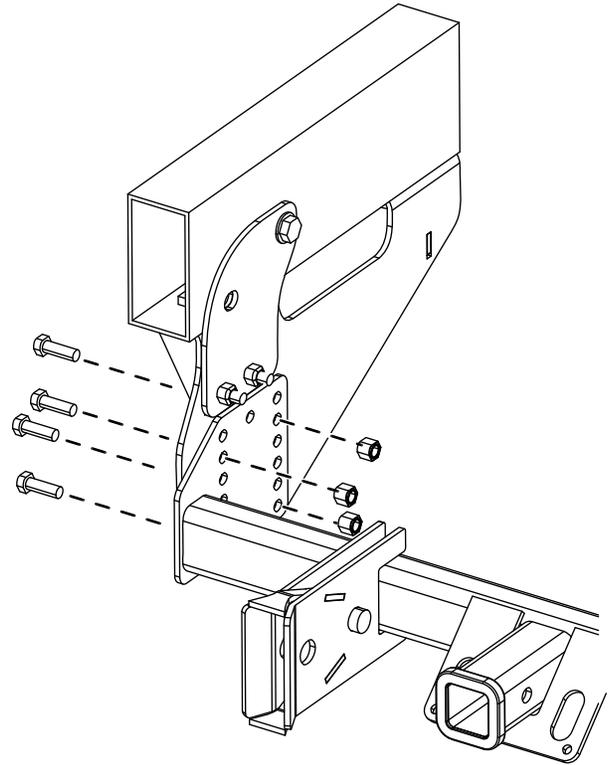


Figure 11

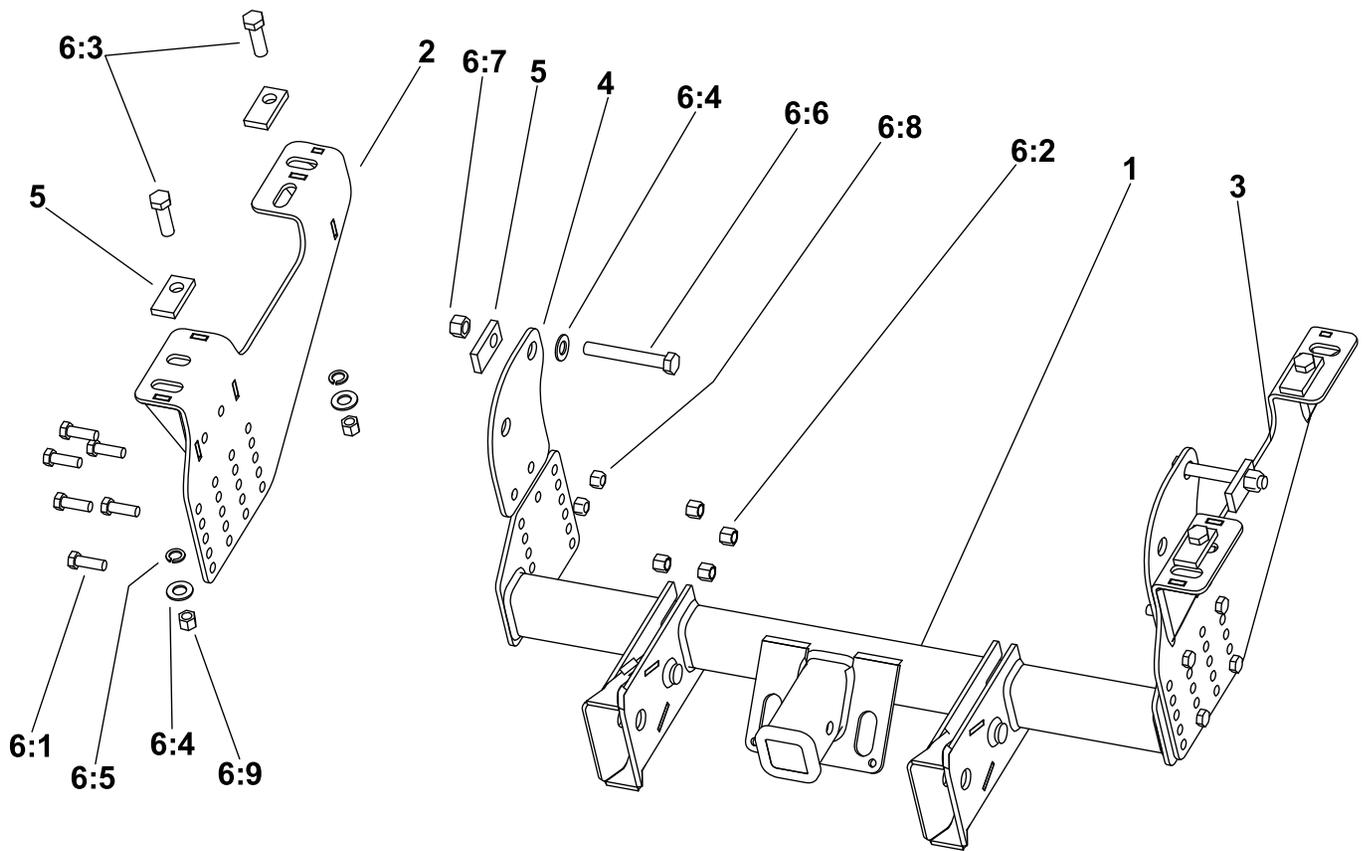
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9. Torque all the fasteners to the following specifications:

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

Note: Refer to your vehicle manufacturer for torque specifications of existing hardware.

10. If you loosened or removed the spare tire, install and tighten it.



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Figure 12
2003 Through 2009 3/4 and 1 Ton Dodge Ram Parts

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	RPL21876	1	WLDMNT, PUSHBEAM, BACKBLADE, TGS MODEL	6:1	HDW01728	12	HHCS, 1/2-13 X 1-1/2, NC, GR5, YZN
2	RPL22925	1	SUPPORT PLT ASM A, HITCH, TGS	6:2	HDW01748	8	NUT, 1/2-13, NYL INS, YZN
3	RPL22926	1	SUPPORT PLT ASM B, HITCH, TGS	6:3	HDW01731	4	HHCS, 5/8-11 X 2, GR5, YZN
4	RPL22119	2	SIDE STRAP,DODGE,DRAG PRO [BLA	6:4	HDW01726	6	WASHER, 5/8 FLAT HARDEN, YZN
5	TGS05918	6	SHIM, 3/8 PLT, 11/16 HOLE,TGS	6:5	HDW03891	4	WASHER-LOCK, SPLIT, 5/8, YZN
6	HDW21877	1	FASTENER KIT, UNIV HITCH, TGS	6:6	HDW01705	2	HHCS,5/8-11X4-1/2NC, GR5, YZN
				6:7	HDW01709	2	NUT [5/8-11, TOP L/N, GRB, YZN]
				6:8	HDW05554	4	NUT, 1/2-13, TOP L/N, GRC, YZN
				6:9	HDW01777	4	NUT, 5/8-11, FIN, FULL, YZN

For 1998 Through 2010 Ford Super Duty Trucks

Part	Quantity
Pushbeam	1
Sideplate A	1
Sideplate B	1
Side Strap	2
Shim (1/4 inch)	4
Bolt (1/2 inch)	12
Nylon locknut (1/2 inch)	8
Bolt (5/8 x 2 inches)	4
Washer (5/8 inch)	4
Nylon locknut (5/8 inch)	4
Nut (1/2 inch)	4

You may need to loosen or remove the spare tire to complete the installation.

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. If your vehicle has a hitch, remove it and retain the hardware.
3. Remove the bumper-bracket bolts and nuts.
4. Slide the straps between the bracket and the frame and secure using the bumper-bracket hardware (Figure 13).

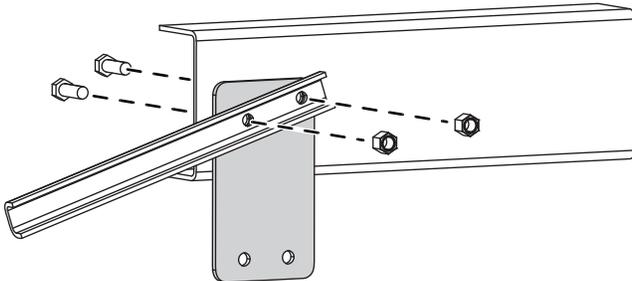


Figure 13

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5. Secure the straps to the sideplates using 4 bolts (1/2 inch) and 4 nuts (1/2) as shown in Figure 14.

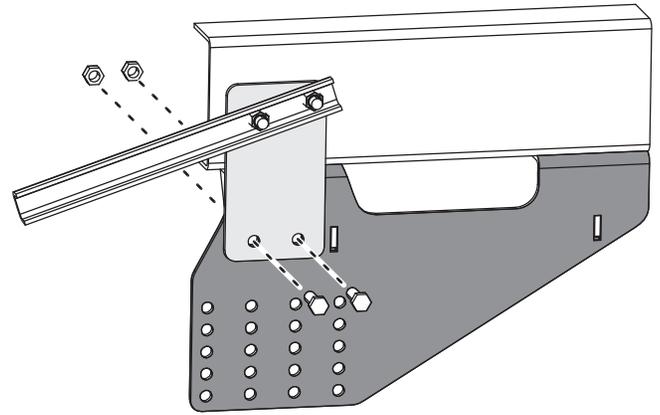


Figure 14

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6. Loosely secure the sideplates to the vehicle frame using 2 bolts (5/8 x 2 inches), 2 shims (1/4 inch), 2 washers (5/8 inch), and 2 nylon locknuts (5/8 inch) as shown in Figure 15.

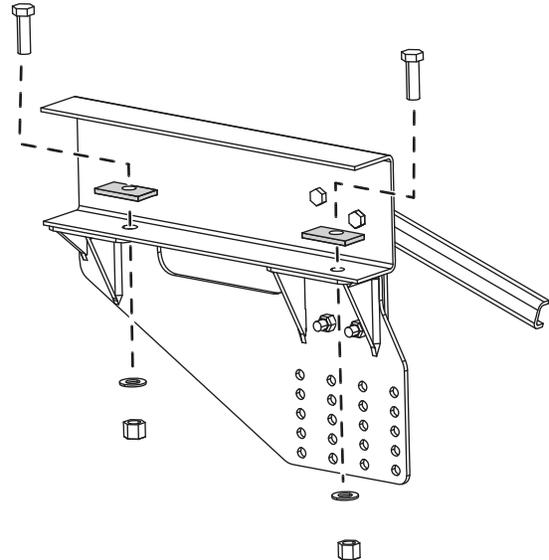
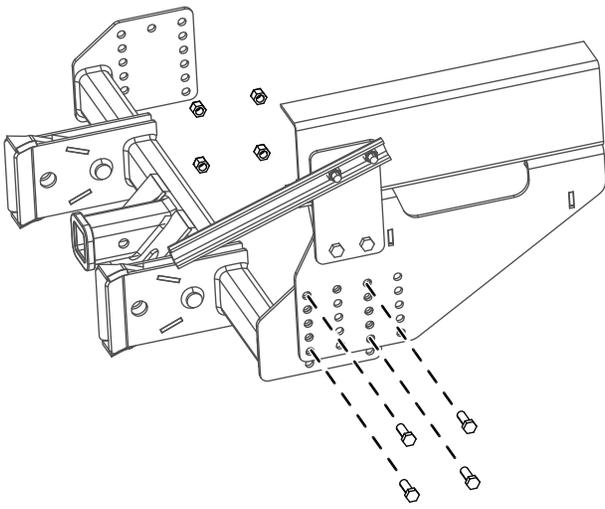


Figure 15

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7. Loosely secure the pushbeam to the sideplates using 8 bolts (1/2 inch) and nylon locknuts (1/2 inch) as shown in Figure 16.

Note: Refer to your plow *Owner's Manual* for the appropriate pushbeam height.



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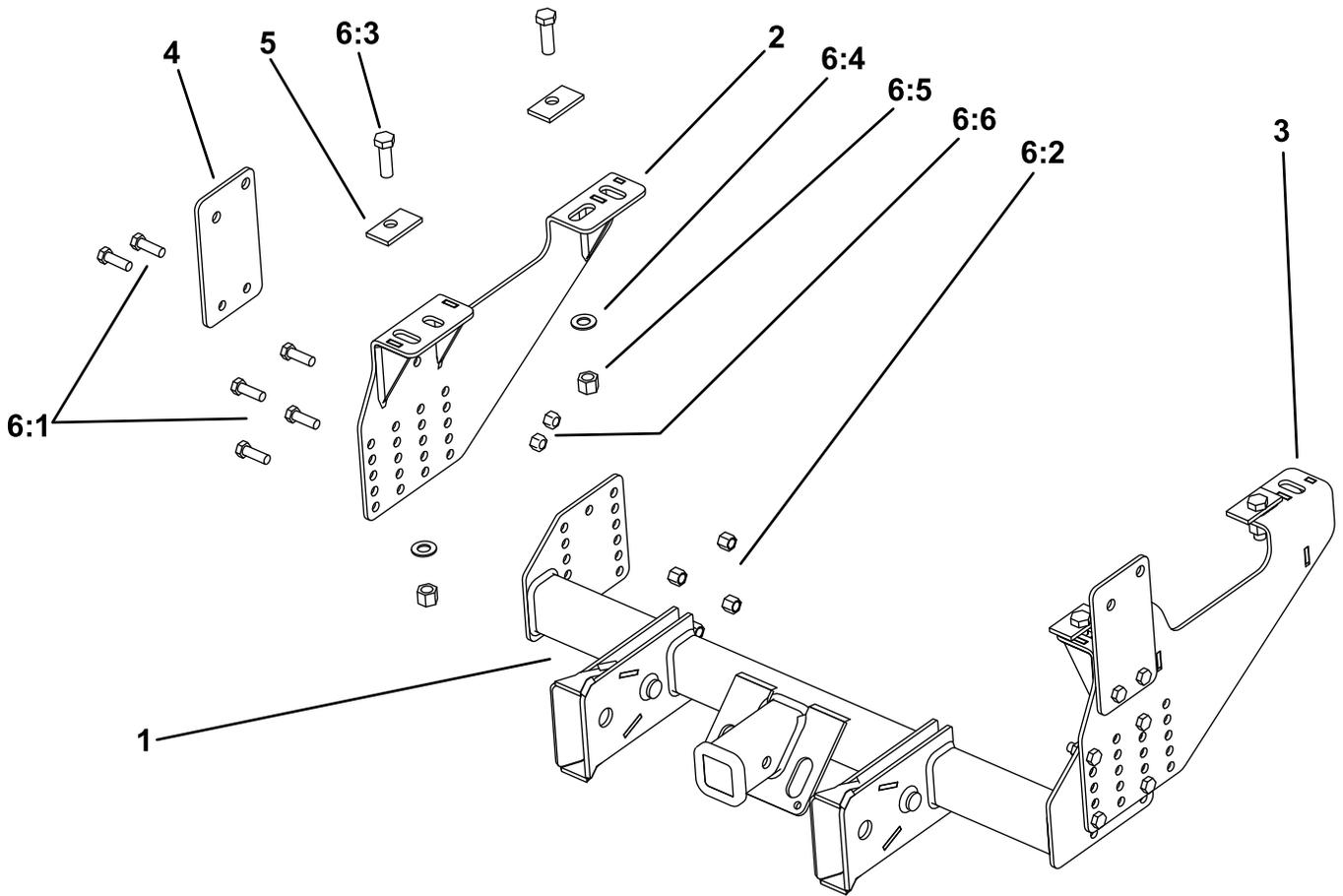
Figure 16

8. Torque all the fasteners to the following specifications:

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

Note: Refer to your vehicle manufacturer for torque specifications of existing hardware.

9. If you loosened or removed the spare tire, install and tighten it.



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Figure 17
1998 Through 2010 Ford Super Duty Parts

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	RPL21876	1	WLDMNT, PUSHBEAM, BACKBLADE, TGS MODEL	6:1	HDW01728	12	HHCS, 1/2-13 X 1-1/2, NC, GR5, YZN
2	RPL22926	1	SUPPORT PLT ASM B, HITCH, TGS	6:2	HDW01748	8	NUT, 1/2-13, NYL INS, YZN
3	RPL22925	1	SUPPORT PLT ASM A, HITCH, TGS	6:3	HDW01731	4	HHCS, 5/8-11 X 2, GR5, YZN
4	RPL22129	2	SIDE STRAP,FORD 99-10, DRAGPRO	6:4	HDW01726	4	WASHER, 5/8 FLAT HARDEN, YZN
5	TGS05919	4	SHIM, 1/4 PLT, 11/16 HOLE,TGS	6:5	HDW05619	4	NUT, 5/8-11, NYL INS, YZN
6	HDW21877	1	FASTENER KIT, UNIV	6:6	HDW05554	4	NUT, 1/2-13, TOP L/N, GRC, YZN

Notes:

Notes:

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S N O W P L O W