

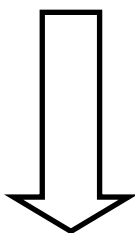


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ISO 9001:2008 REGISTERED
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SNOW DEFLECTOR INSTALLATION INSTRUCTIONS MSC17611B

MSC17611B Deflector Components.....Page 1

Follow the instructions that correspond to your plow.



10' Power-V & DXT Blade Assembly Instructions.....Page 2

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MSC17611 Snow Deflector Components

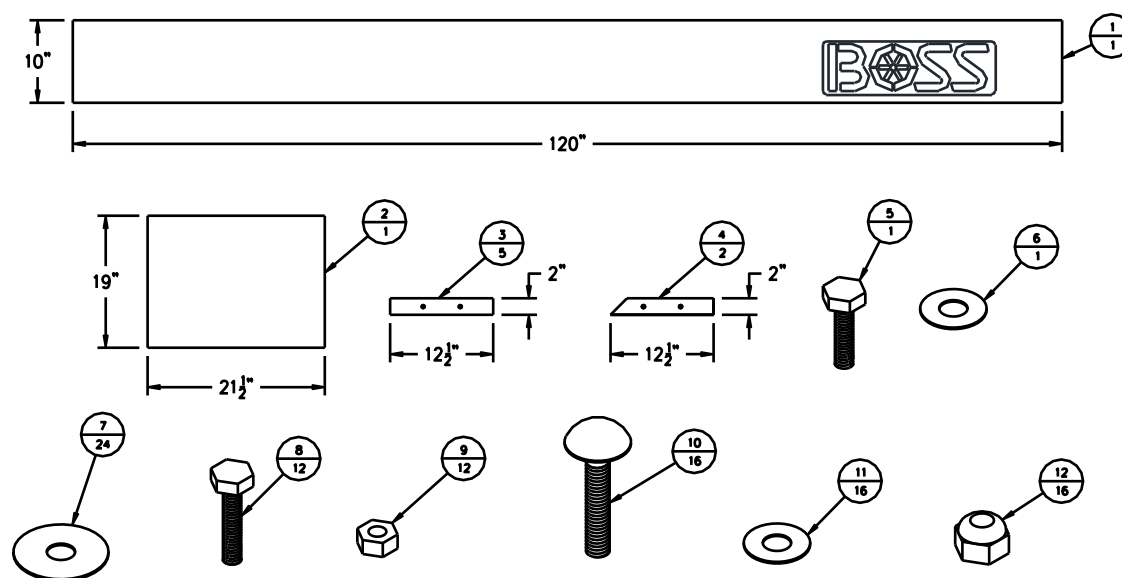


Figure 1. MSC17611B Snow Deflector Fastener Kit Contents

G13942

ITEM #	QUANTITY	PART #	DESCRIPTION
1	1	MSC04058	BELTING 120" X 10"
2	1	MSC17613	BELTING, CENTER 19" X 26-1/2"
3	6	MSC04931	STRAP, SNOWFOIL, 2 HOLE
4	2	MSC04932	STRAP, SNOWFOIL, 2 HOLE W/45° ANGLE
5	1	HDW01728	1/2"-13 X 1-1/2" HEX HEAD BOLT
6	1	HDW01729	1/2" FLAT WASHER
7	24	HDW05598	5/16" X 1-1/4" FENDER WASHER
8	12	HDW05571	1/4"-20 X 1-1/4" HEX HEAD BOLT
9	12	HDW01725	1/4"-20 NYLON LOCK NUT
10	16	HDW02055	5/16"-18 X 1-3/4" CARRIAGE BOLT
11	16	HDW06967	5/16" FLAT WASHER
12	16	HDW01714	5/16"-18 NYLON LOCK NUT

Snow Deflector Assembly Instructions for 10' Power-V and DXT

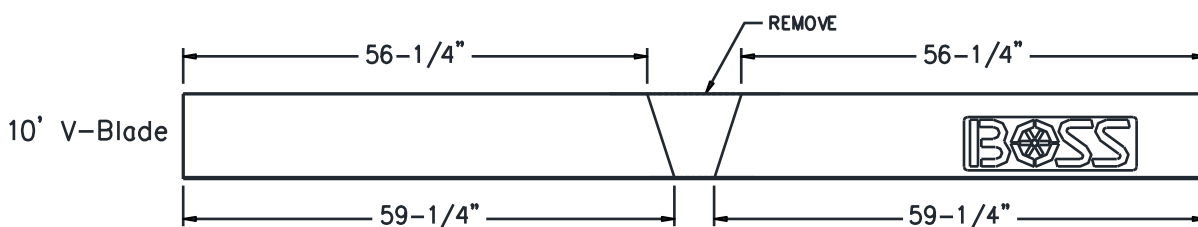


Figure 2. Belting Cut Length

G10816

1. Cut MSC04058 Belting (1) into two pieces. Use the dimensions specified in Figure 2.

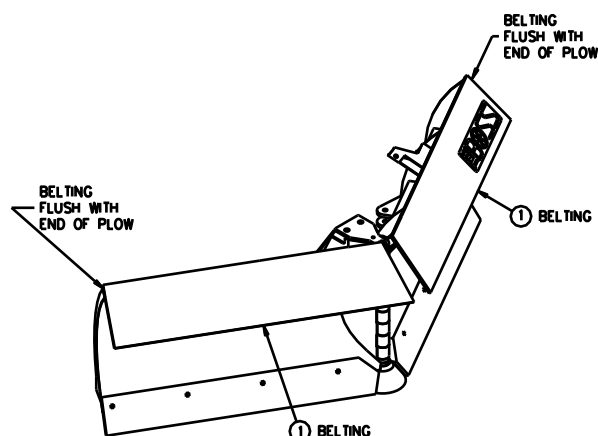


Figure 3. Clamping Orientation

G10018

2. Clamp the two pieces of Belting (1) to the Plow as shown in Figure 3. The factory cut edges of Belting (1) must be flush with the outside edges of the Plow Blades.

Note: Vise-Grip® clamps work well when clamping Belting (1) to the Plow Blades.

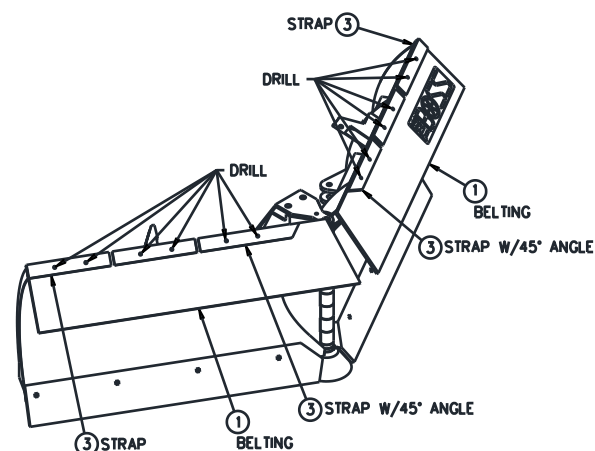


Figure 4. Drilling Locations

G10020

Note: If installing this Snow Deflector on a Plow that does not have pre-punched holes in the Blade Skin it is required that the Blade Skin be drilled. Use Straps (3 & 4) as a reference when drilling the holes. Refer to Figure 6 for the correct Strap (3 & 4) orientation. Space between Straps (3 & 4) will differ depending on type of Plow.

3. Using the holes in the Blade Skin as a guide, mark and drill through Belting (1) using a 3/8" drill bit. See Figure 4.
4. Place Straps (3) and Straps w/45° Angle (4) on top of Belting (1). The Straps w/45° Angle (4) must be placed closest to the center of the Plow as shown in Figure 6.

Snow Deflector Assembly Instructions for 10' Power-V and DXT

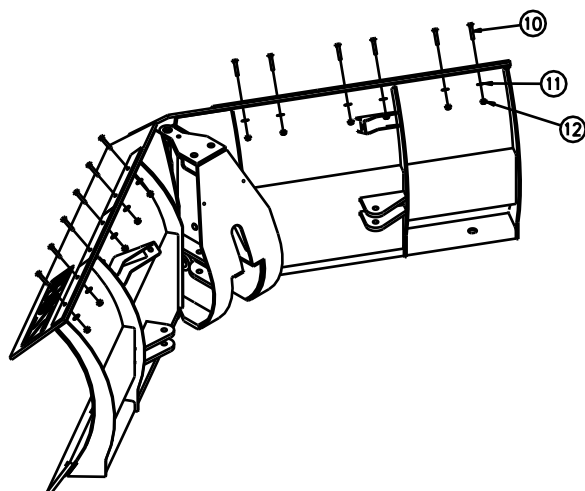


Figure 5. Snow Deflector Assembly Procedure G10021

5. Attach Belting (1), Straps (3), and Straps w/45° Angle (4) to the Plow using 5/16" Carriage Bolts (10), 5/16" Flat Washers (11), and 5/16" Nylon Lock Nuts (12).

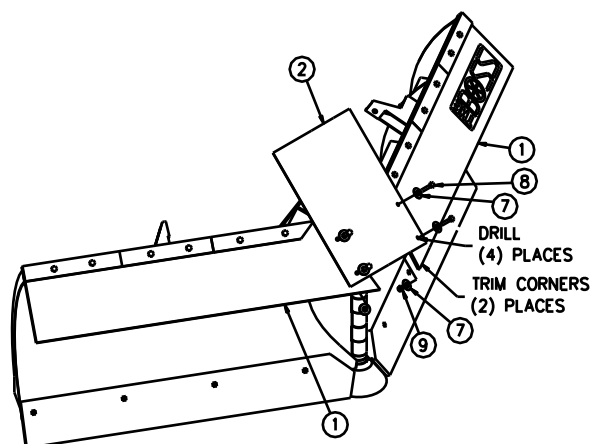


Figure 6. Center Flap Installation G10022

Note: The Plow must be in the V-Position, as shown in Figure 6, for the installation of Center Belting (2).

6. Align and clamp Center Belting (2) as follows:
 - Center the Center Belting (2) to allow an equal amount of overlap on each half of Belting (1).

- Position Center Belting (2) so that the 16" width is horizontal and the 26-1/2" length is vertical. See Figure 6.
 - Position the front corners of Center Belting (2) up approximately 1-1/2" from the front edge of Belting (1).
7. With Center Belting (2) clamped in place, drill two 3/8" diameter holes through each side of Center Belting (2) up approximately 1-1/2" from the front edge of Belting (1).
 8. Attach Center Belting (2) to Belting (1) using four 1/4" Hex Head Bolts (6), eight 5/16" Fender Washers (5), and four 1/4" Nylon Lock Nuts (7).
 9. Trim the corners of Belting (1) to be flush with the bottom of Center Belting (2). See Figure 6.

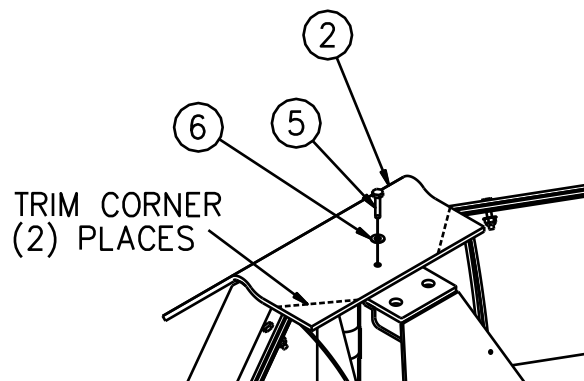


Figure 7. Center Flap Installation G10023

10. Fold Center Belting (2) over the top of the Plow as shown in Figure 7.
11. Drill a hole through Center Belting (2) that is centered and 1-1/2" from the back edge of Center Belting (2). See Figure 7.

Note: If installing Center Belting (2) on a Center Section that does not have a threaded hole, it is required that a hole be drilled and tapped for a 1/2"-13 Hex Head Bolt. The drilled and tapped hole should be located 1-1/2" rearward from the Vertical Hinge Pin bolt hole.

Snow Deflector Assembly Instructions for 10' Power-V and DXT

12. Using one 1/2" Hex Head Bolt (5) and one 1/2" Flat Washer (6), attach Center Belting (2) to the top of Center Section by utilizing the threaded hole that is located behind the Vertical Hinge Pin.
13. Remove any excess material from the lower back of Center Belting (2) so that it does not interfere with the Plow operation. See Figure 7.

Snow Deflector Assembly Instructions for 10' Straight Blade

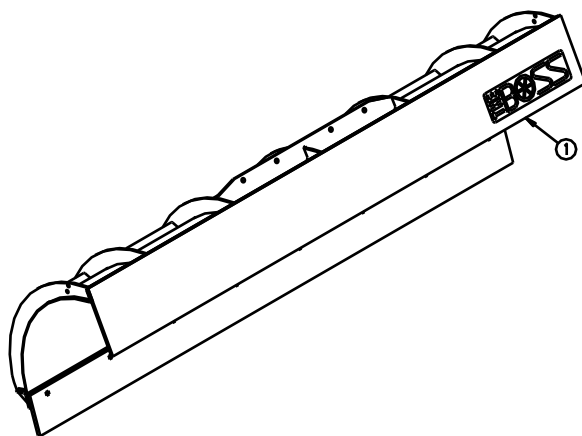


Figure 8. Clamping Orientation

G10038

1. Clamp Belting (1) to the top edge of the Plow Blade as shown in Figure 8.

Note: Vise-Grip® clamps work well when clamping Belting (1) to the Plow Blade.

Note: If installing Snow Deflector on a Plow that does not have pre-punched holes in the blade skin it is required that the Blade Skin be drilled. Use Straps (3 & 4) as reference when drilling the holes. Refer to Figure 10 for the correct Strap (3 & 4) orientation.

2. Using the holes in the Blade Skin as a guide, mark and drill through Belting (1) using a 3/8" drill bit.

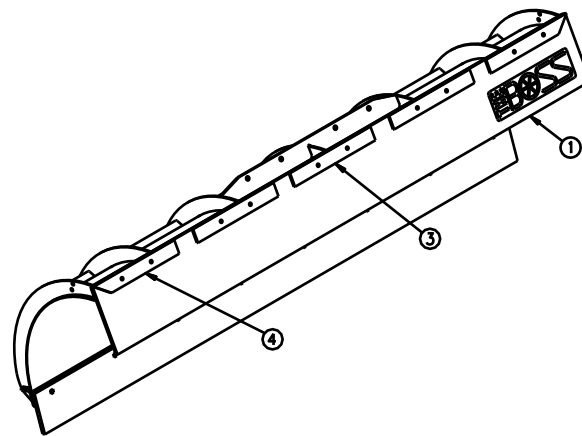


Figure 9. Strap Orientation

G10761

3. Place Straps (3) and Straps w/45° Angle (4) on top of Belting (1). The Straps w/45° Angle (4) must be placed on the outer edges of the Plow Blade. See Figure 9.

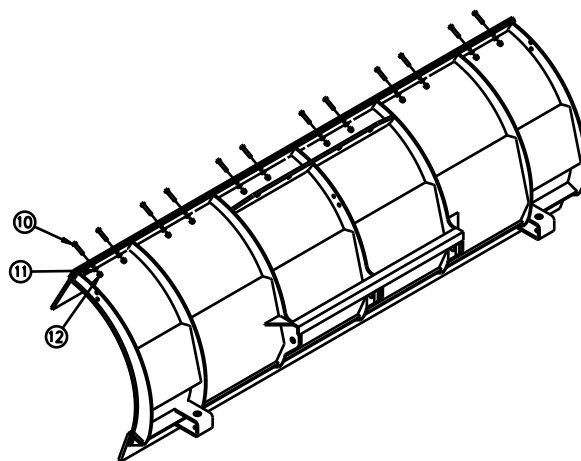


Figure 10. Snow Deflector Assembly Procedure

G10817

4. Attach Belting (1) and Straps (3 & 4) to the Plow Blade using 5/16" Carriage Bolts (10), 5/16" Flat Washers (11), and 5/16" Nylon Lock Nuts (12).

Snow Deflector Assembly Instructions for 8' – 10' EXT Blade

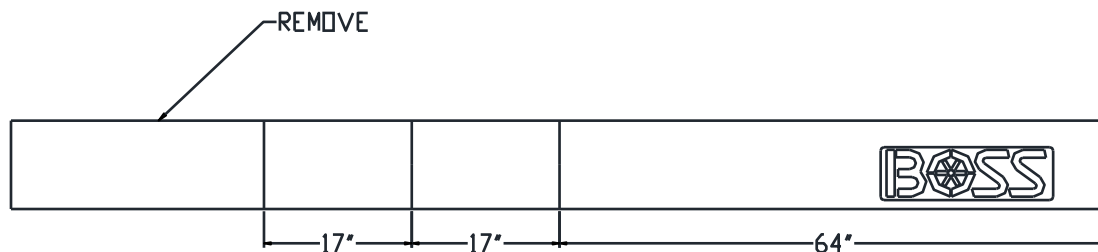


Figure 11. Belting Cut Length

G13943

1. Cut Belting (1) into three pieces. Use the dimensions specified in Figure 11.

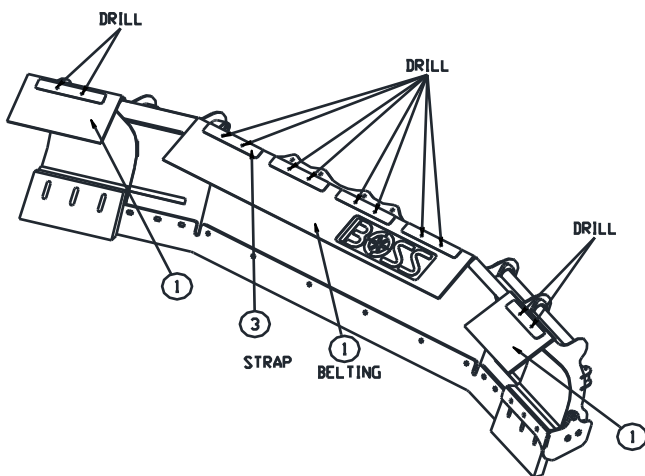


Figure 12. Clamping Orientation

G13944

Note: The Plow wings must be fully extended for installation of Belting.

2. Clamp the three pieces of Belting (1) to the plow as shown in Figure 12. The center section must be centered on the plow. The pieces on the wings must be flush with the back of the upper channel and the outermost end of the wing.

Note: Vise-Grip® clamps work well when clamping Belting (1) to the Plow Blade.

3. Using the holes in the Blade Skin as a guide, mark and drill through the Belting (1) using a 3/8" drill bit. See Figure 12.
4. Place Straps (3) on top of Belting (1).

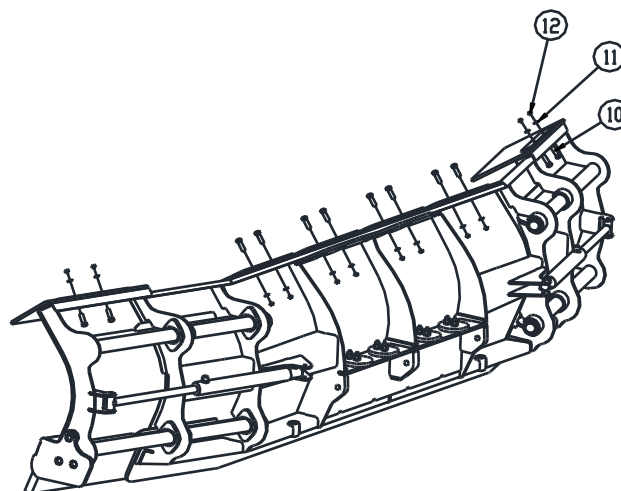


Figure 13. Snow Deflector Assembly Procedure

G13945

5. Attach Belting (1) and Straps (3) to the Plow using 5/16" Carriage Bolts (10), 5/16" Flat Washers (11), and 5/16" Nylon Lock Nuts (12).

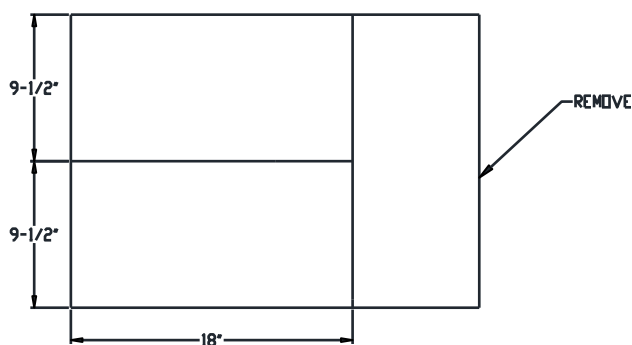


Figure 14. Center Belting Cut Dimensions

G13946

6. Cut Center Belting (2) into three pieces. Use the dimensions specified in Figure 14.

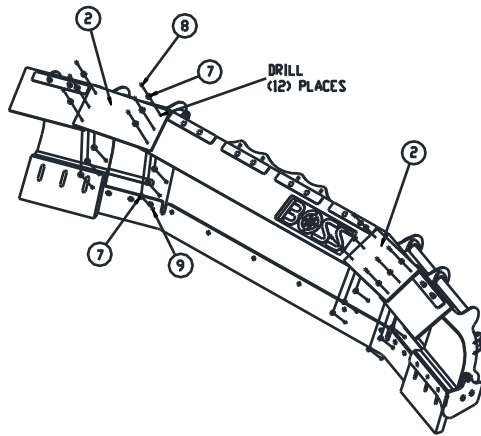


Figure 15. Center Belting Installation

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7. Align and clamp Center Belting (2) pieces as follows:
 - The Center Belting (2) should overlap the Belting (1) on the wing by approximately 2-1/4".
 - The Center Belting (2) should overlap the Belting (1) on the Plow by approximately 1-1/2" at the top and 4" at the bottom of the Belting (1).
 - Repeat for second piece of Center Belting (2).
8. With Center Belting (2) clamped in place, drill three 3/8" diameter holes through each side of the Center Belting (2).
9. Attach Center Belting (2) to Belting (1) using six 1/4" Hex Head Bolts (6), twelve 5/16" Fender Washers (5), and six 1/4" Nylon Lock Nuts (7).
10. Repeat for second piece of Center Belting (2).