Fisher Engineering

86180, 86185, 86190

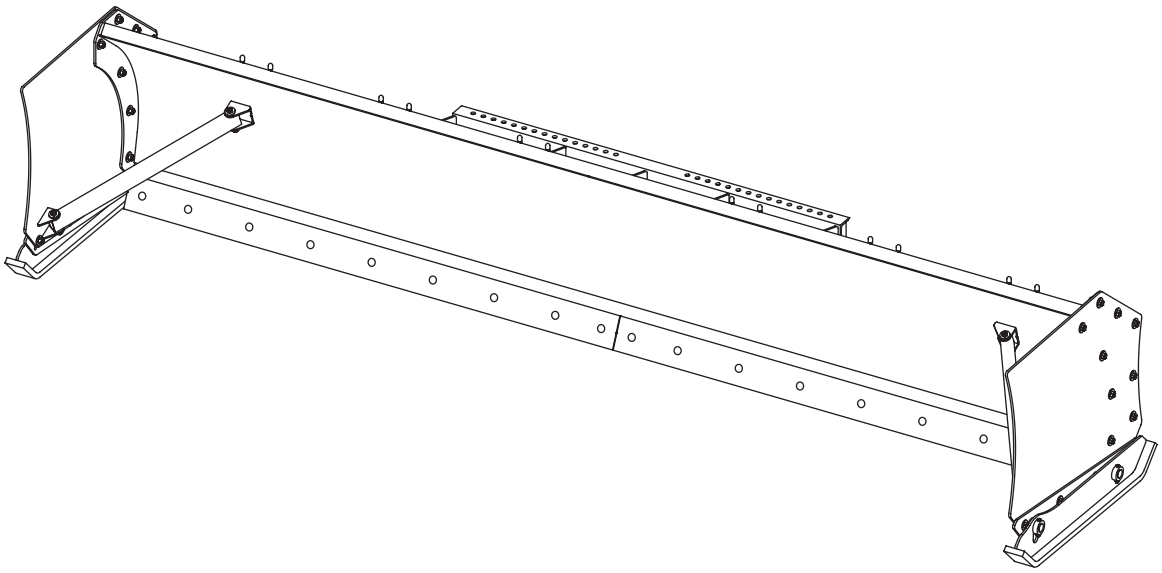
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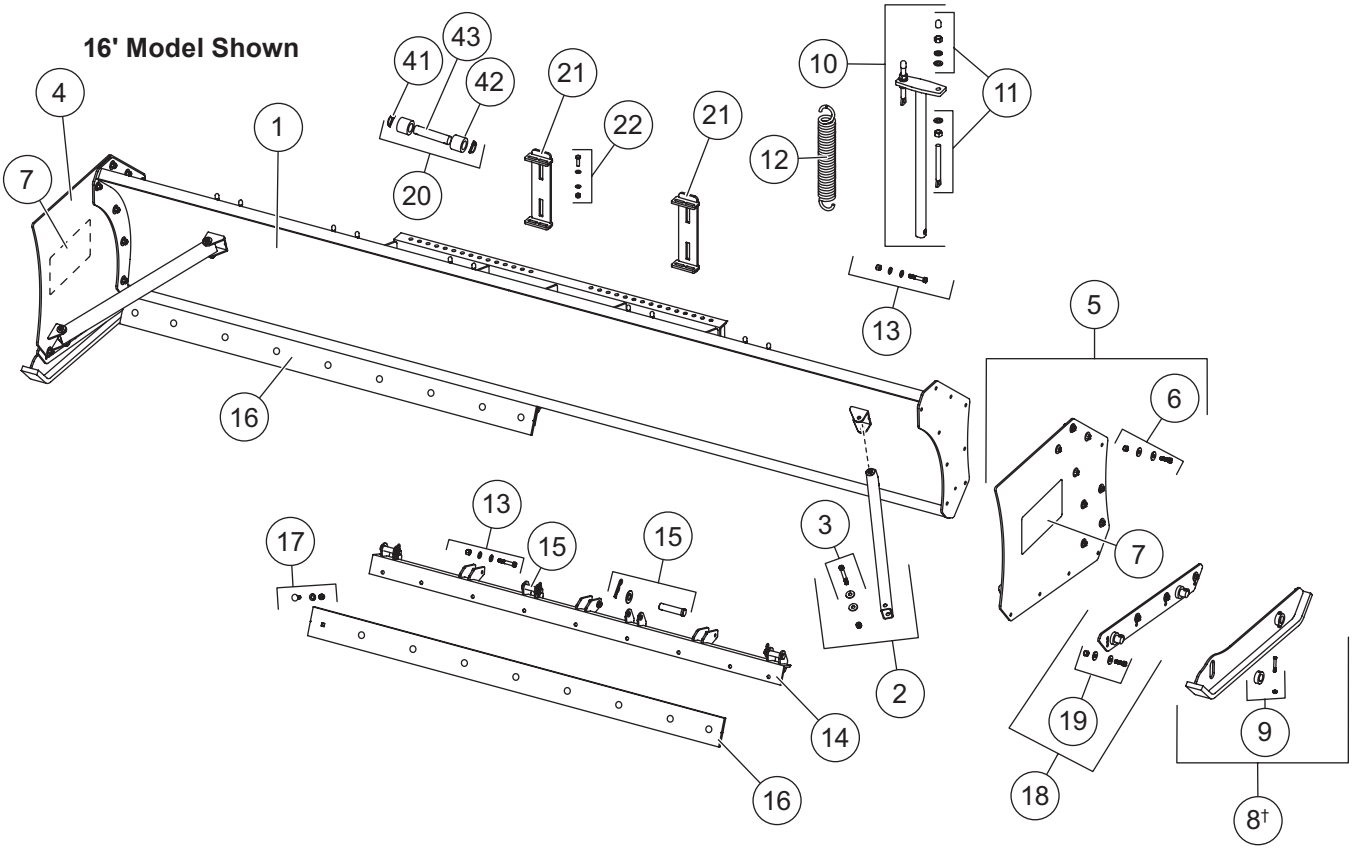
STORM BOXX™ Snowplow

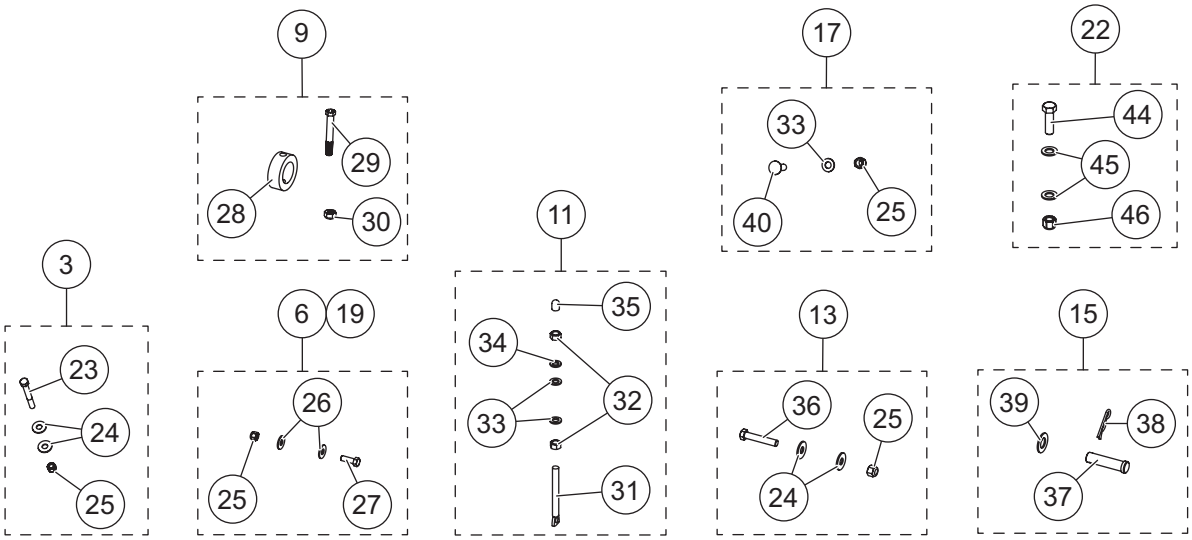
Steel Trip Edge Pusher Plow

Parts List



Blade Components





† Single shoe per kit.

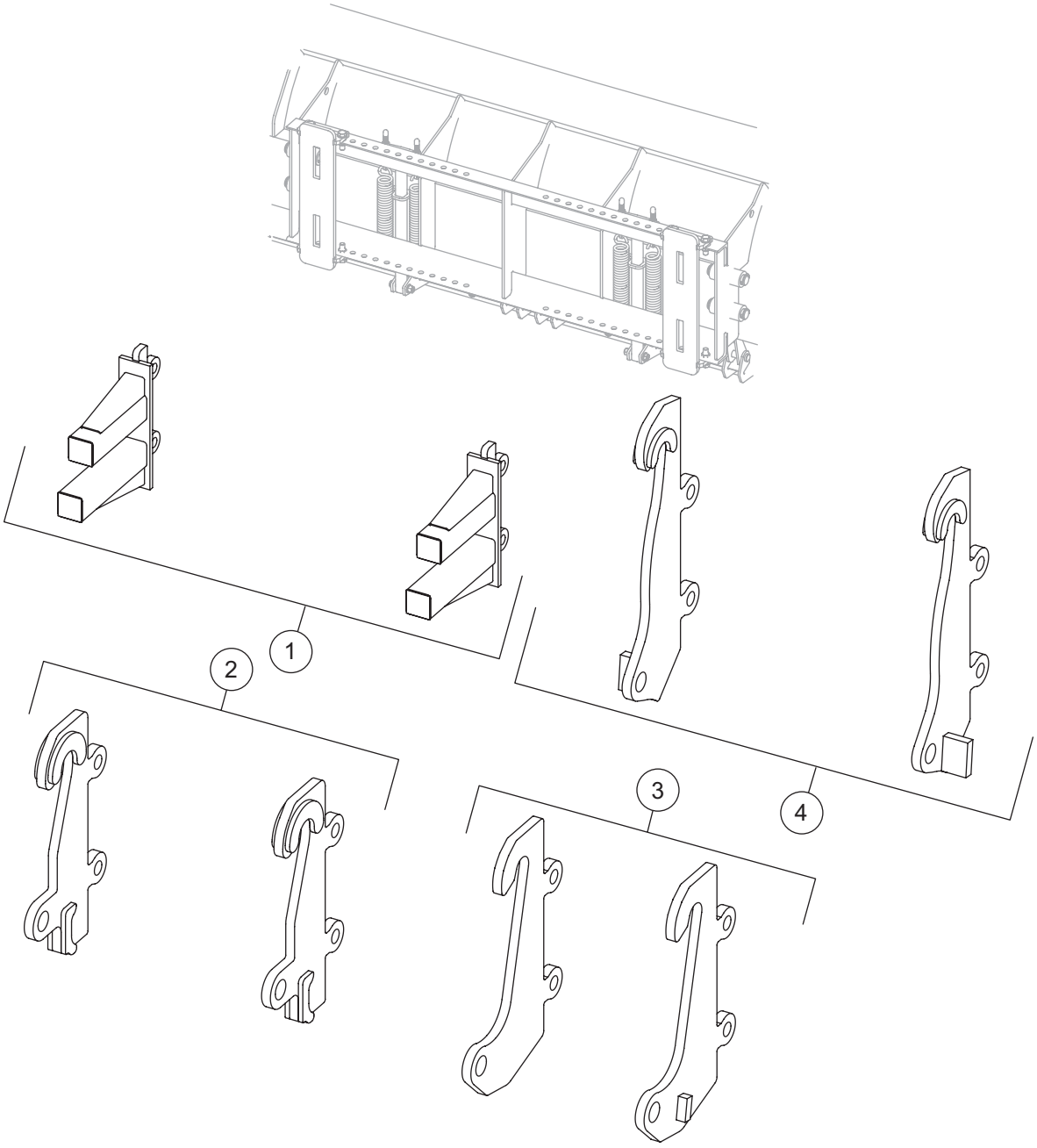
86180/86185/86190 Blade Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	78630	1	12' Box Blade	13	72775	6‡	Trip Spring Bar Bolt Kit
	78631	1	14' Box Blade	14	78621	2	12' Trip Edge
	78632	1	16' Box Blade		78622	2	14' Trip Edge
2	78644	2	Brace Kit w/Fasteners		78623	2	16' Trip Edge
3	78607	2	Brace Bolt Kit	15	72774	8‡	1 x 4 Pin Kit
4	78634	1	Side Plate Kit – PS (incl. items 6 & 7)	16	78618	2	6' Steel Cutting Edge (incl. item 17)
5	78633	1	Side Plate Kit – DS (incl. items 6 & 7)		78619	2	7' Steel Cutting Edge (incl. item 17)
6	78646	2	Side Plate Bolt Kit		78620	2	8' Steel Cutting Edge (incl. item 17)
7	83171	2	Label – Logo, STORM BOXX™	17	78645	2	Steel Cutting Edge Hardware Kit
8	78642†	2	Wear Shoe Kit (incl. item 9)	18	78865	1	Shoe Mounting Web – DS (incl. item 19)
9	78647	2	Wear Shoe Hardware Kit		78867	1	Shoe Mounting Web – PS (incl. item 19)
10	78869	6‡	Spring Bar w/Spade Bolts	19	78664	2	Shoe Mounting Web Bolt Bag
11	72778	12‡	Spade Bolt Kit	20	78656	4	Attachment Plate Pin Kit
12	23039	8	Trip Spring – 12' & 14' Blades	21	78657	2	Mounting Hub
		12	Trip Spring – 16' Blade	22	78649	2	Mounting Hub Hardware Kit
Item 3			**78607 Brace Bolt Kit**				
23		2	5/8-11 x 5 Hex Cap Screw G5	25		2	5/8-11 Hex Locknut GB
24		4	5/8 Flat Washer Type A Wide				
Item 6			**78646 Side Plate Bolt Kit**				
25		9	5/8-11 Hex Locknut GB	27		9	5/8-11 x 2 Hex Cap Screw G5
26		18	5/8 Flat Washer Type A Wide				
Item 9			**78647 Wear Shoe Hardware Kit**				
28		2	Shoe Retainer	30		2	7/16-14 Hex Locknut GB
29		2	7/16-14 x 3-1/2 Hex Cap Screw G5				
Item 11			**72778 Spade Bolt Kit**				
31		1	5/8-11 x 6 Spade Bolt	34		1	5/8 Lock Washer
32		2	5/8-11 Hex Nut G5	35		1	5/8 Vinyl Cap
33		2	5/8 SAE Flat Washer				
Item 13			**72775 Trip Spring Bar Bolt Kit**				
24		2	5/8 Flat Washer, Hardened Type 1	36		1	5/8-11 x 3-1/2 Hex Cap Screw G5
25		1	5/8-11 Hex Locknut GB				
Item 15			**72774 1 x 4 Pin Kit**				
37		1	1 x 4 Clevis Pin	39		1	1" Flat Washer Type A Narrow
38		1	0.2 x 3-3/4 Hairpin Cotter				
Item 17			**78645 Steel Cutting Edge Hardware Kit**				
25		9*	5/8-11 Hex Locknut GB	40		9*	5/8-11 x 2 Carriage Bolt G5
33		9*	5/8 SAE Flat Washer				
Item 19			**78664 Shoe Mounting Web Bolt Kit**				
25		4	5/8-11 Hex Locknut GB	27		4	5/8-11 x 2 Hex Cap Screw G5
26		8	5/8 Flat Washer Type A Wide				
Item 20			**78656 Attachment Plate Pin Kit**				
41		2	7/16 x 1-3/4 Linchpin	43		1	1-7/16 x 6-1/2 Pin
42		2	1-1/2 x 2-1/2 OD x 1-1/2 ID Doubler				
Item 22			**78649 Mounting Hub Hardware Kit**				
44		4	3/4-10 x 2-1/2 Hex Cap Screw G5	46		4	3/4-10 Hex Locknut GB
45		8	3/4 Flat Washer, Hardened Type 1				
G = Grade							

† Single shoe per kit.

‡ 12' and 14' Blades require four spring bars, four trip spring bar bolt kits, six spade bolt kits, and six 1 x 4 pin kits.

* Not all fasteners used for all blade sizes.

Loader Attachment Plate Options



Attachment Plates							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	79363	1	Loader Attachment Plates, Universal Post	3	79365	1	Loader Attachment Plates, CAT IT
2	79364	1	Loader Attachment Plates, JRB 416	4	79366	1	Loader Attachment Plates, Volvo L50-L120
ns	72042	1	Binder Kit for Loader Installations				
ns = not shown							

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