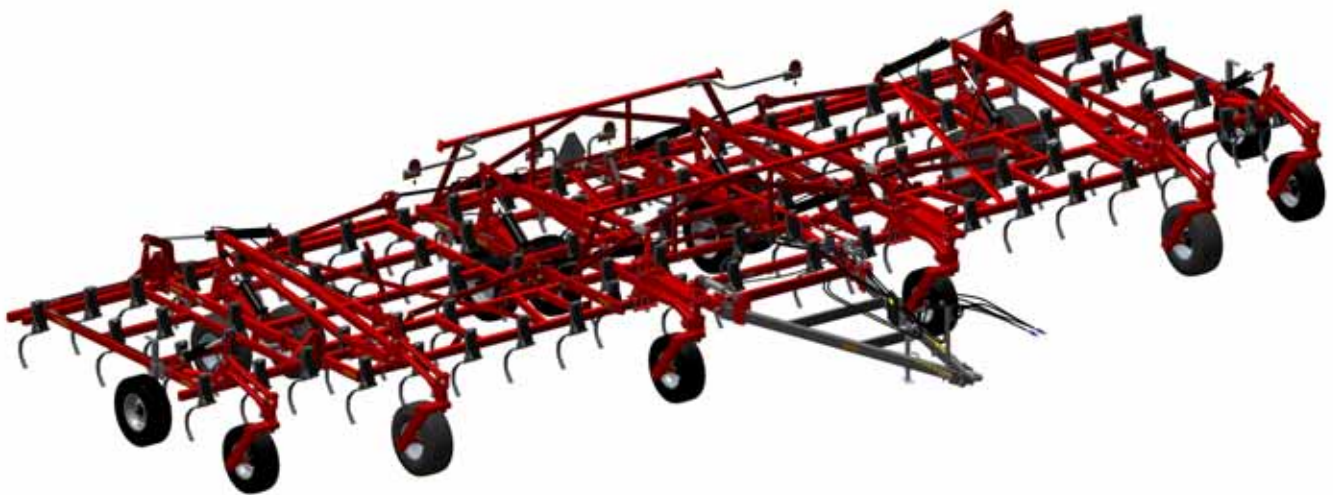


Parts Manual

Field Cultivator



02-24 | 4000361197

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FOREWORD

Abbreviations

- FN** - Footnote (FN) is a column in the parts list used to communicate information that directly effects the part it's lined up with. The number used will correspond with information located below the parts list.
- REF** - Reference (REF) is used in the part number column and indicates the part has special service information. The location of this information is often referenced in the description column.
- UAR** - Use As Required (UAR) is used in the quantity column indicating the number of parts used is determined by service needs.
- NSS** - Not Serviced Separately (NSS) in a part number column indicates the part is not available for service.

Parts Ordering Procedure

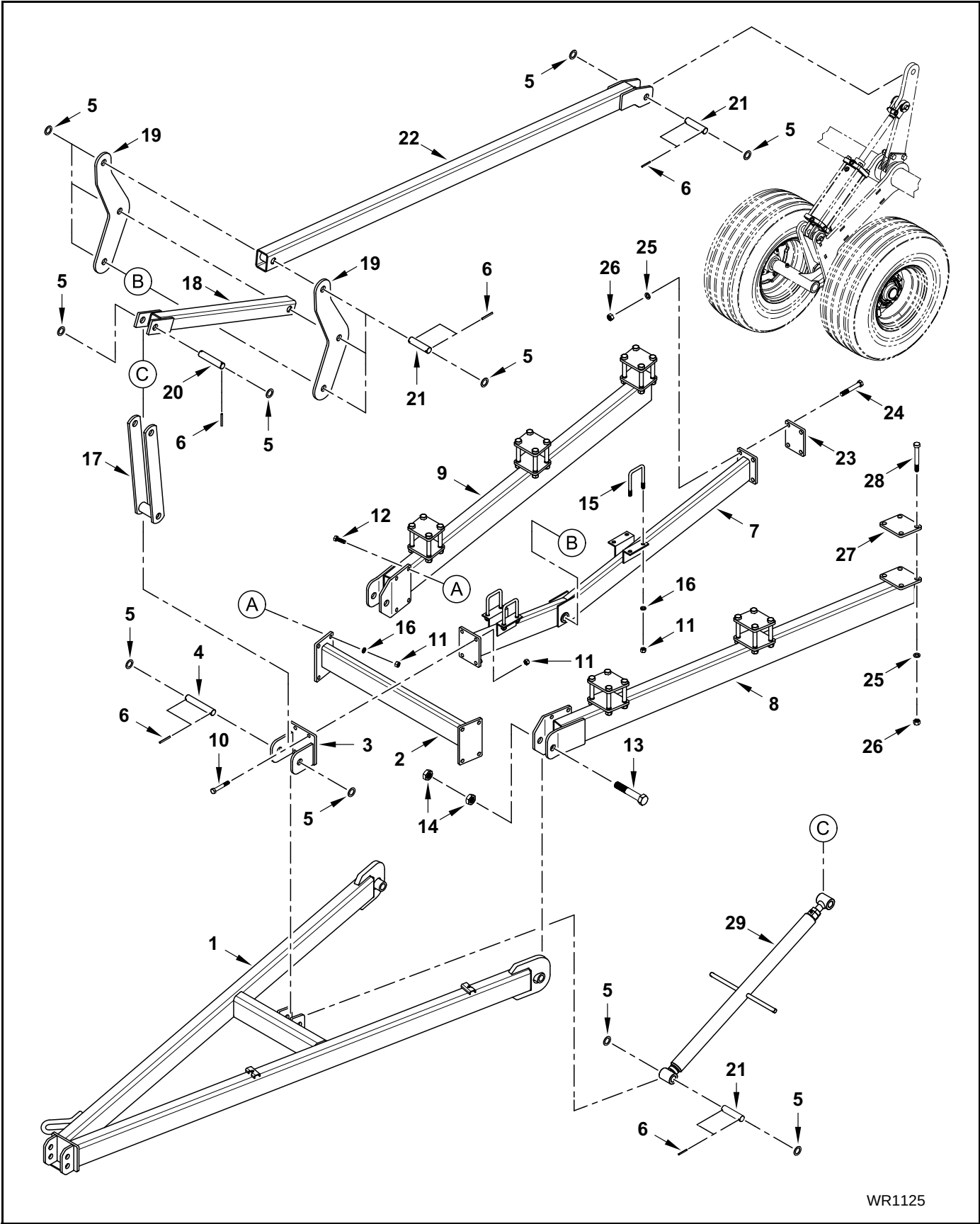
When ordering parts for your implement, please contact an authorized dealer in your area. If the parts are associated with a possible warranty claim, make sure that you contact the original dealer from which you

purchased the implement. Make sure to provide the Model, Serial number, Part number, Part description and quantity.

Location of Product Model and Serial Number (Identification plate)



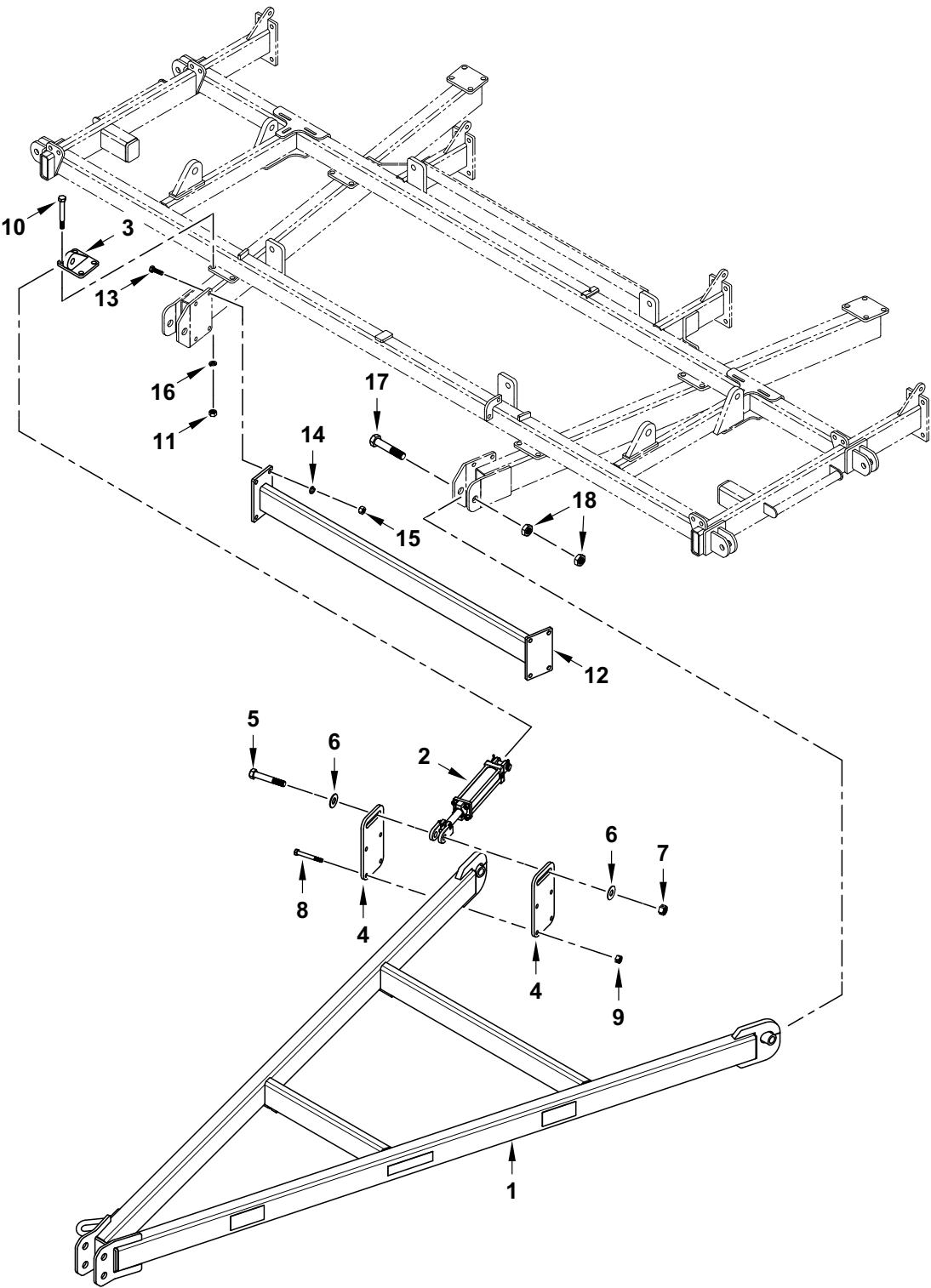
Hitch Assembly, XL2 (11' Center Frame)



Hitch Assembly, XL2 (11' Center Frame)

Ref.	FN	Part Number	Series	Qty.	Description
1		68086		1	FRAME, Hitch, 11'
		233672		1	FRAME, Hitch, 13'
2		220791		1	TUBE, Hitch, 11'
		220792		1	TUBE, Hitch, 13'
3		221062		1	BRACKET, Center
4		68032		1	PIN, 1" x 6.38"
5		88440		14	BUSHING, Machined, 1-1/4" x 1-7/8"
6		42484		14	PIN, Roll, 1/4" x 2-1/4"
7		220785		1	TUBE, Center Frame
8		220796		1	TUBE, Hitch, Left, 11' & 13'
9		220795		1	TUBE, Hitch, Right, 11' & 13'
10		88298		4	BOLT, Hex, 5/8" x 4", Gr. 5
11		88126		12	NUT, 5/8"
12		88294		8	BOLT, Hex, 5/8" x 2"
13		88349		2	BOLT, Hex, 1-1/4" x 6-1/2"
14		88622		4	NUT, Jam, 1-1/4" -7NC, Gr. 5
15		88503		2	U-BOLT, 5/8" x 3" x 5-1/4"
16		88129		8	WASHER, Lock, 5/8"
17		67937		1	BRACKET, Center Hitch
18		67906		1	LINKAGE
19		67933		2	PLATE
20		68030		1	PIN, Mounting, 1-1/4" 6.13"
21		68031		5	PIN, Mounting, 1-1/4" x 5.125", 11'
		68034		5	PIN, Mounting, 1-1/4" x 3-3/8", 13'
22		68084		1	TUBE, Center, Lift, 11'
		67743		1	TUBE, Center, Lift, 13'
23		68354		1	PLATE, Mounting
24		88305		4	BOLT, Hex, 3/4" x 5", Gr. 5
25		88130		8	WASHER, Lock, 3/4"
26		88110		8	NUT, Hex, 3/4"
27		68040		6	PLATE, Mounting
28		88293		4	BOLT, Hex, 3/4" x 6", Gr. 5
29		68036		1	ADJUSTER ASSY.

Hitch Assembly, QX2 (13' Center Frame)

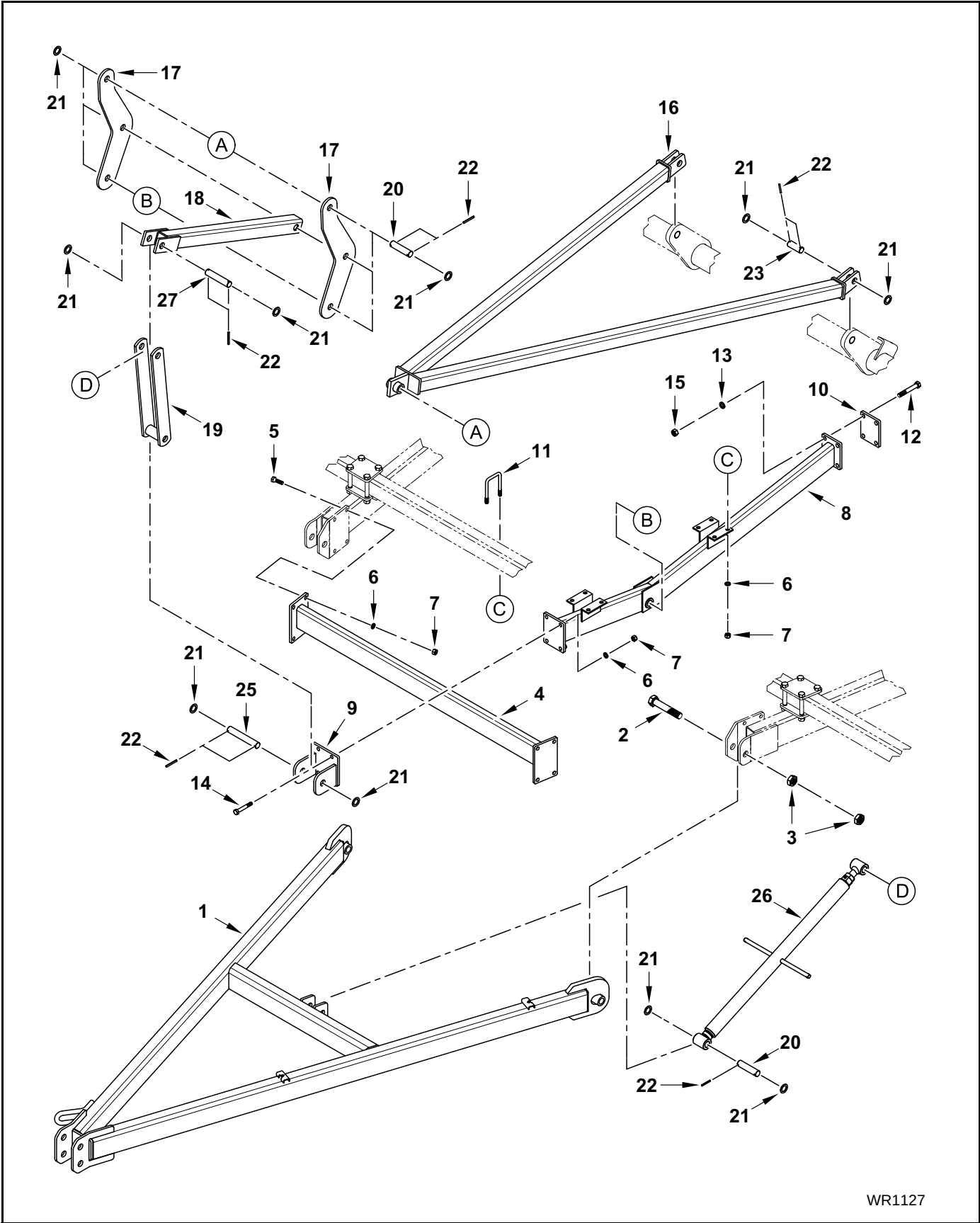


WR1126

Hitch Assembly, QX2 (13' Center Frame)

Ref.	FN	Part Number	Series	Qty.	Description
1		233670		1	FRAME, Hitch, 13' QUAD X
		247474		1	MOUNTING ASSY., Hitch, Inc. 2 - 9
2		223324		2	CYLINDER ASSY.
3		247417		2	MOUNT, Cylinder
4		247421		4	PLATE, Mounting
5		88264		2	BOLT, Hex, 1" -8NC x 6", Gr. 5
6		88196		4	WASHER, 1"
7		88348		1	NUT, Hex, 1" -8NC
8		88395		8	BOLT, Hex, 5/8" -11NC x 5", Gr. 5
9		88369		8	NUT, Hex, 5/8" -11NC, Gr. 5
10		88293		4	BOLT, Hex, 3/4" -10NC x 6", Gr. 5
11		88110		4	NUT, Hex, 3/4" -10NC, Gr. 5
12		220791		1	TUBE, Hitch 11'
		220792		1	TUBE, Hitch 13' QUAD X
13		88294		8	BOLT, Hex, 5/8" - 11NC x 2", Gr. 5
14		88129		8	WASHER, Lock, 5/8"
15		88126		8	NUT, Hex 5/8"
16		88130		8	WASHER, Hex 5/8"
17		88349		2	BOLT, Hex, 1-1/4" -7NC x 6-1/2", Gr. 5
18		88622		4	NUT, Jam, 1-1/4" -7NC, Gr. 5

Hitch Assembly, XL2 (13' Center Frame)

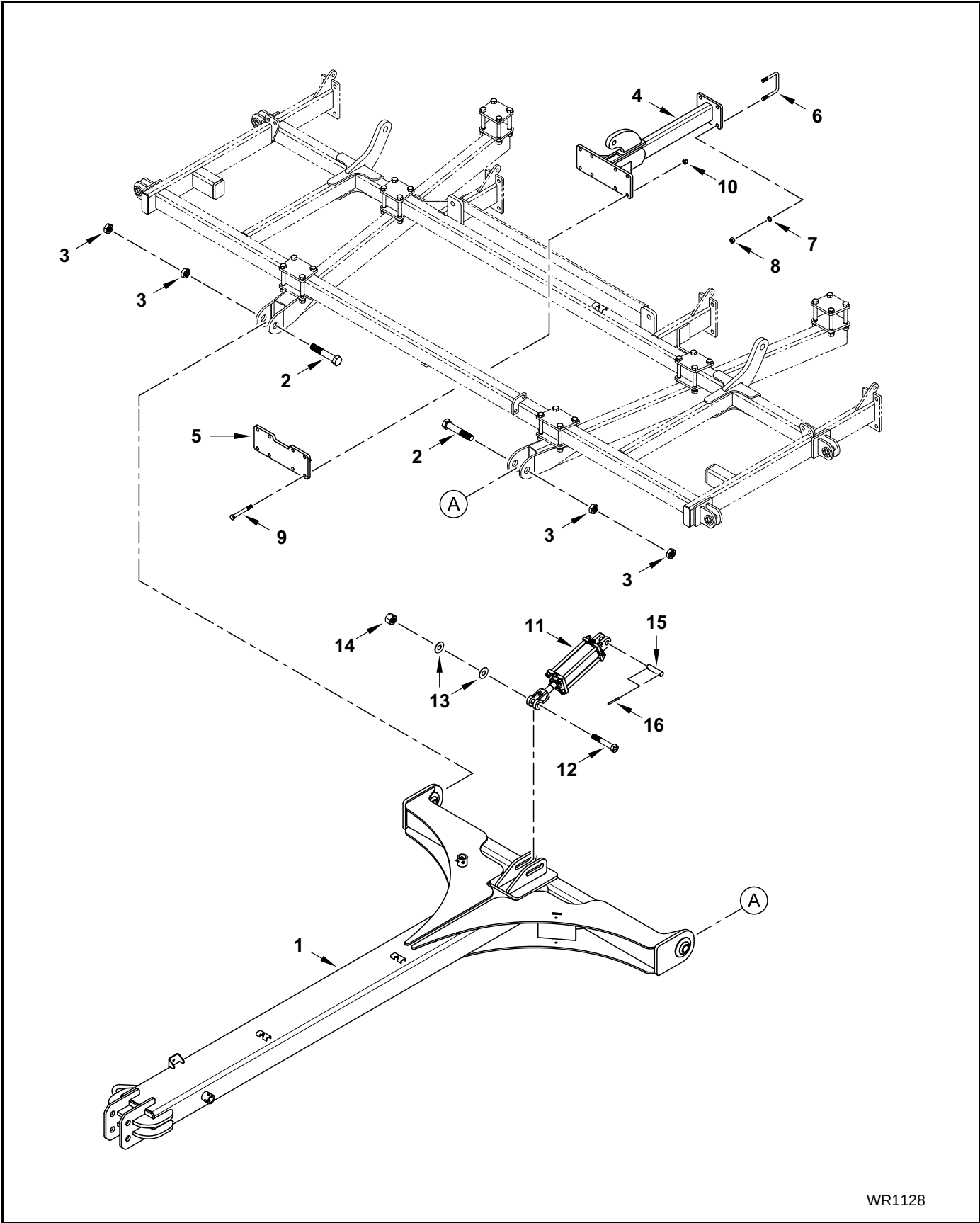


WR1127

Hitch Assembly, XL2 (13' Center Frame)

Ref.	FN	Part Number	Series	Qty.	Description
1		233672		1	HITCH, 13' EXC
2		88349		2	BOLT, Hex, 1-1/4" -7NC x 6-1/2", Gr. 5
3		88622		4	NUT, Jam, 1-1/4" -7NC, Gr. 5
4		220792		1	TUBE, Hitch, 13'
5		88294		8	BOLT, Hex, 5/8" -11 x 2", Gr. 5
6		88129		20	WASHER, Lock, 5/8"
7		88126		20	NUT, Hex, 5/8" -11, Gr. 5
8		220785		1	FRAME, Center, Hitch Attachment
9		221062		1	BRACKET, Center Hitch
10		68354		1	PLATE, Mounting
11		88503		4	U-BOLT, 5/8" -11NC x 3" x 5"
12		88305		4	BOLT, Hex, 3/4" -10NC x 5", Gr. 5
13		88130		4	WASHER, Lock, 3/4"
14		88298		4	BOLT, Hex, 3/4" -10NC x 5", Gr. 5
15		88110		4	NUT, Hex, 3/4"
16		67743		1	TUBE, Center Lift
17		67933		2	PLATE
18		67906		1	LINKAGE
19		67937		1	BRACKET, Center Hitch
20		68031		4	PIN, Mounting, 1-1/4" x 5.125"
21		88440		16	BUSHING, 1-1/4" x 1-7/8"
22		42484		16	PIN, Roll, 1/4" x 2-1/4"
23		68034		2	PIN, Mounting, 1-1/4" x 3.38"
24		33535		2	BUSHING, 1-1/4"
25		68032		1	PIN, Mounting, 1" x 6.38"
26		68036		1	ADJUSTER ASSY.
27		68030		1	PIN, Mounting, 1-1/4" x 6.13"

Hitch Assembly, 13' T-Hitch

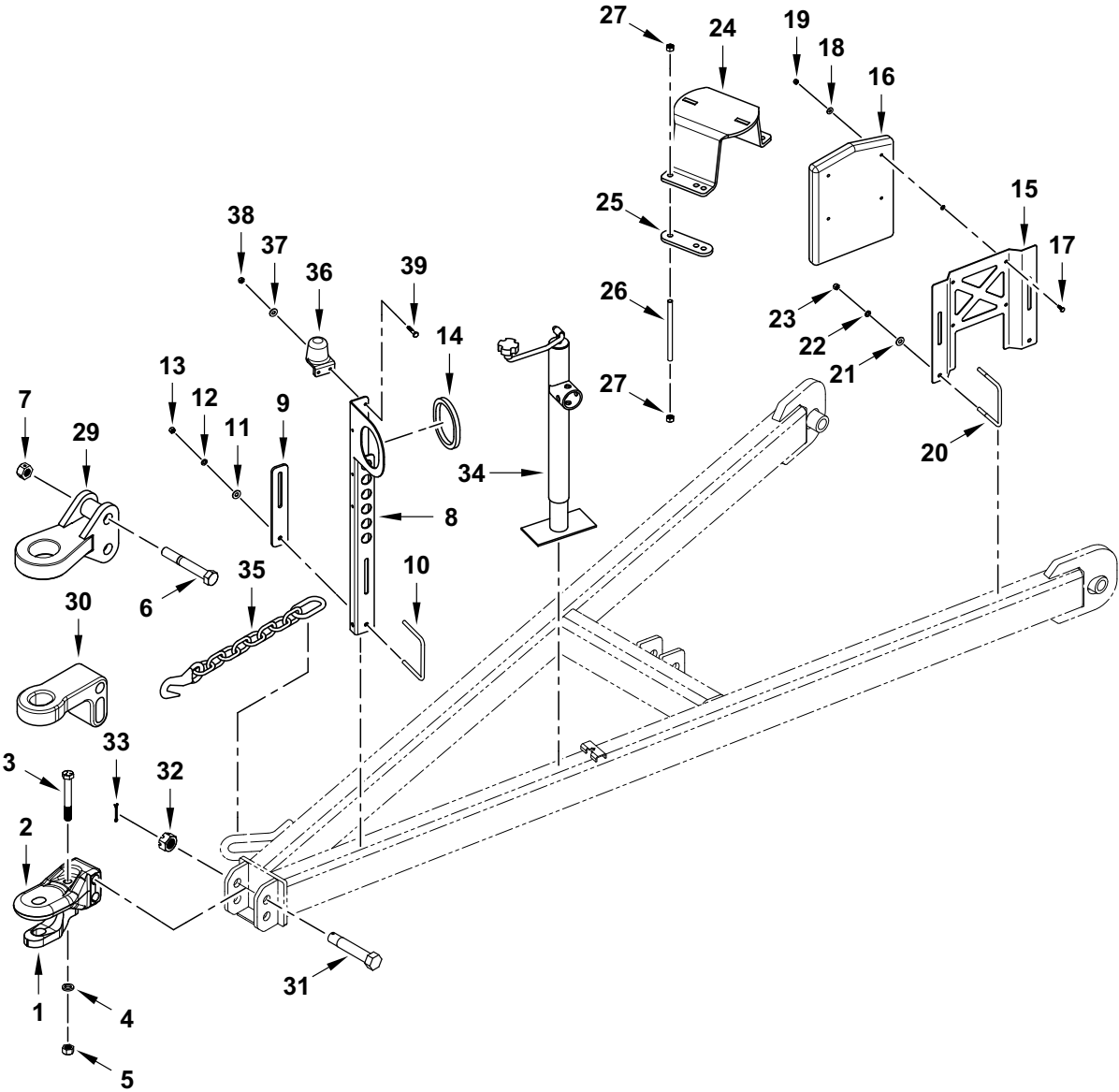


WR1128

Hitch Assembly, 13' T-Hitch

Ref.	FN	Part Number	Series	Qty.	Description
1		334051		1	HITCH, T-Style
2		88349		2	BOLT, Hex, 1-1/4" -7NC x 6-1/2", Gr. 5
3		88622		4	NUT, Hex, 1-1/4" -7NC, Gr. 5
4		334045		1	BRACE, T-Hitch Weight Balance
5		334050		1	PLATE, Mounting
6		88501		2	U-BOLT, Hex, 5/8" -11NC x 4" x 4"
7		88129		4	WASHER, Lock, 5/8"
8		88126		4	NUT, Hex, 5/8"
9		89547		8	BOLT, Hex
10		88845		8	NUT, Lock, 5/8"
11		223992		1	CYLINDER, Hitch Lift
12		88264		1	BOLT, Hex, 1" -8NC x 6", Gr. 5
13		88196		4	WASHER, 1"
14		88348		1	NUT, Lock, 1" -8NC, Gr. 5
15		221714		1	PIN, Mounting
16		88767		2	PIN, Roll, 1/4" x 2-1/2"

Hitch Assembly, Attaching Parts



WR1129

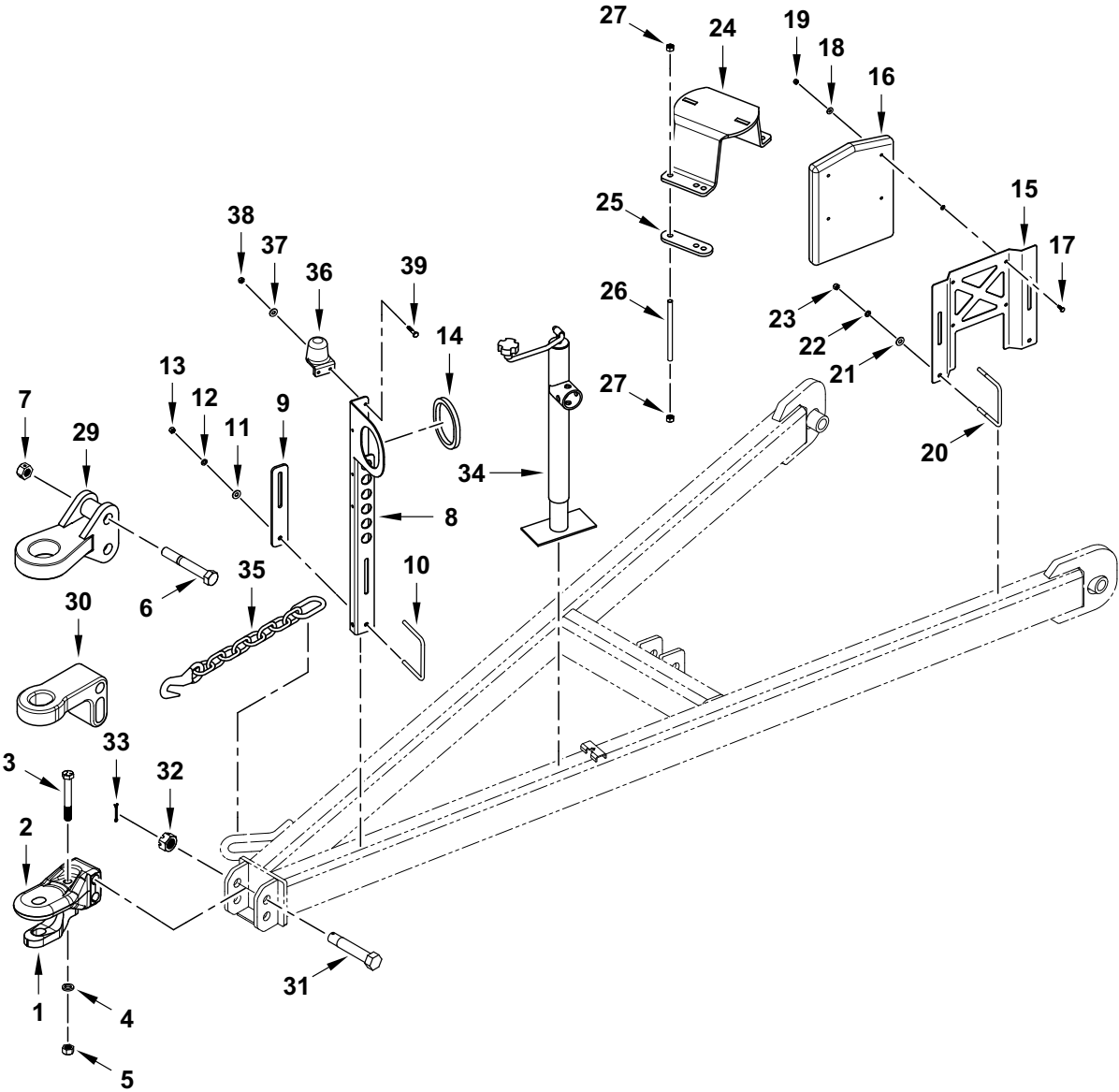
Hitch Assembly, Attaching Parts

Ref.	FN	Part Number	Series	Qty.	Description
		68057		1	CLEVIS ASSY., Hitch, CAT 3, Inc. 1 - 5
1		68056		1	CLEVIS, Perfect Hitch, CAT 3
2		68055		1	BASE, Perfect Hitch, CAT 3
3		88579		1	BOLT, Hex, 3/4" x 5-1/2' Gr. 5
4		88130		1	WASHER, Lock, 3/4"
5		88110		1	NUT, 3/4"
6		88687		2	BOLT, Hex, 1" x 7", 8YZP
7		88348		2	NUT, Lock, 1" Gr. 5
		236095		1	KIT, Utility Pole, Inc. 8 - 23
8		236142		1	PLATE, Hydraulic Hose Holder
9		241777		1	PLATE, Mounting
10		89069		1	U-BOLT, 3/8" x 5" x 4"
11		88282		2	WASHER, 3/8"
12		88362		2	WASHER, Lock, 3/8"
13		88103		2	NUT, Lock, 3/8"
14		98231		1	SEAL
		333409		1	KIT, Manual Case, Inc. 15 - 23
15		322801		1	BRACKET, Mounting
16		A64635		1	CASE, Manual Storage
17		88993		4	BOLT, 1/4" -20NC x 3/4", Gr. 5
18		88261		4	WASHER, 1/4"
19		89056		4	NUT, Lock, 1/4"
		333402		1	KIT, Manual Case Hardware, Inc. 20 - 23
20		89069		1	BOLT, U-Type, 3/8" -16NC x 5" x 4"
21		88282		2	WASHER, 3/8"
22		88362		2	WASHER, Lock, 3/8"
23		88103		2	NUT, Hex, 3/8" -16NC, Gr. 5
	1	246612		1	KIT, Spare Tire Carrier, Inc. 24 - 28
24	1	245700		1	HOLDER, Spare Tire
25	1	246601		2	PLATE, Mounting
26	1	246602		4	ROD, Spare Tire
27	1	88661		10	NUT, Lock, 1/2"
28	1	88873		2	BOLT, Carriage, 1/2" x 1-1/2", Gr. 5

Continued on next page

1 - Used on 3-Section 11' models only.

Hitch Assembly, Attaching Parts

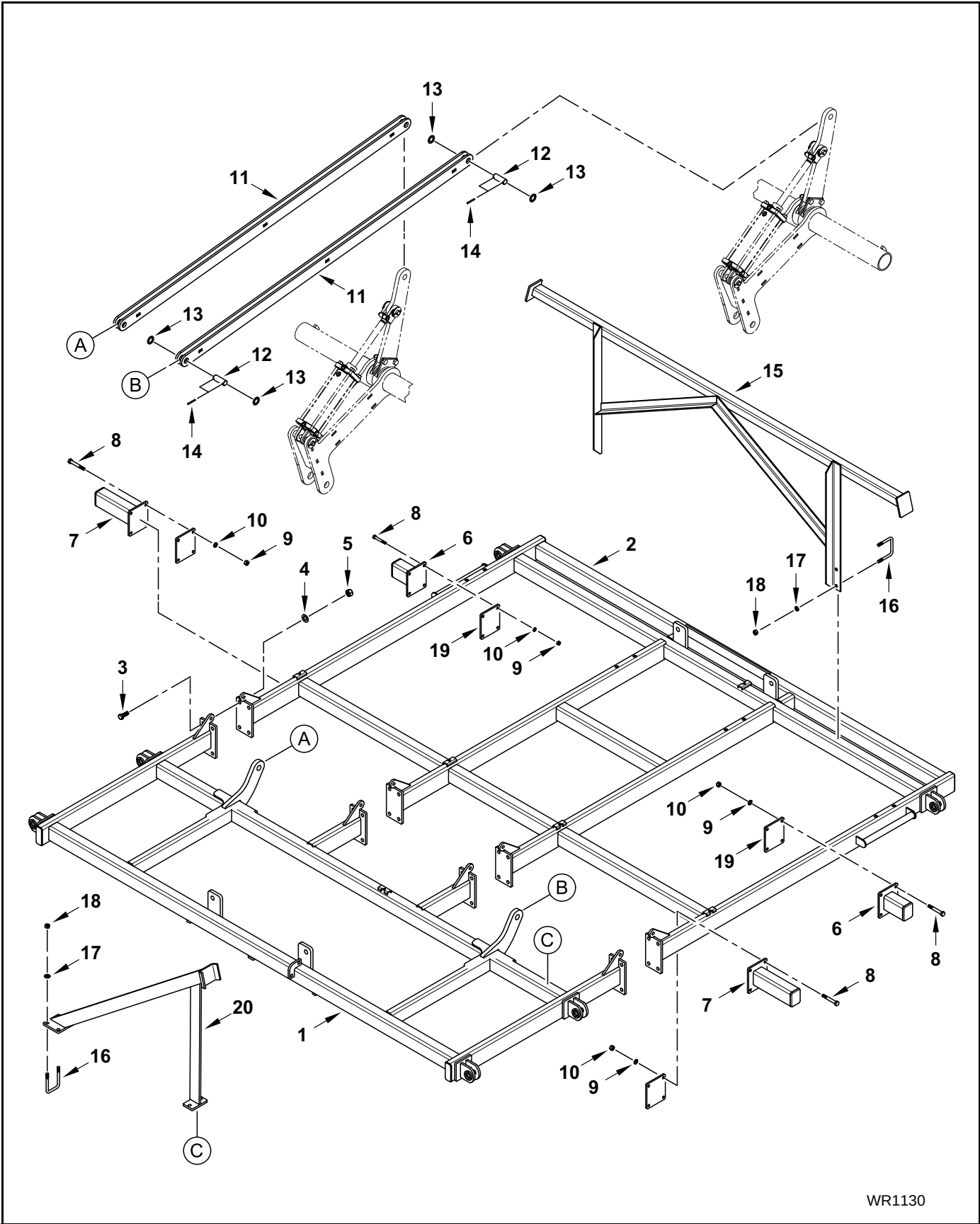


WR1129

Hitch Assembly, Attaching Parts

Ref.	FN	Part Number	Series	Qty.	Description
29		68057		1	HITCH, Perfect
		68055		1	HITCH, Perfect Base
		68056		1	HITCH, Perfect, Clevis
30		18236		1	HITCH, Dual Cast
31		11638		2	BOLT, Hex, 1-1/4" x 6-1/2"
32		88350		2	NUT, Castle, 1-1/4"
33		88133		2	PIN, Cotter, 3/16" x 2"
34		24415		1	JACK ASSEMBLY
35		24459		1	CHAIN, Safety, 20,000 lb., 3/8" x 62"
36		223330		1	HOLDER, Plug
37		88262		2	WASHER, Lock, 1/4"
38		88172		2	NUT, Hex, 1/4" -20NC, Gr. 5
39		88203		2	BOLT, Hex, 1/4" -20NC, Gr. 5

Main Frame Mounting - Front & Rear, 3-Section 11'

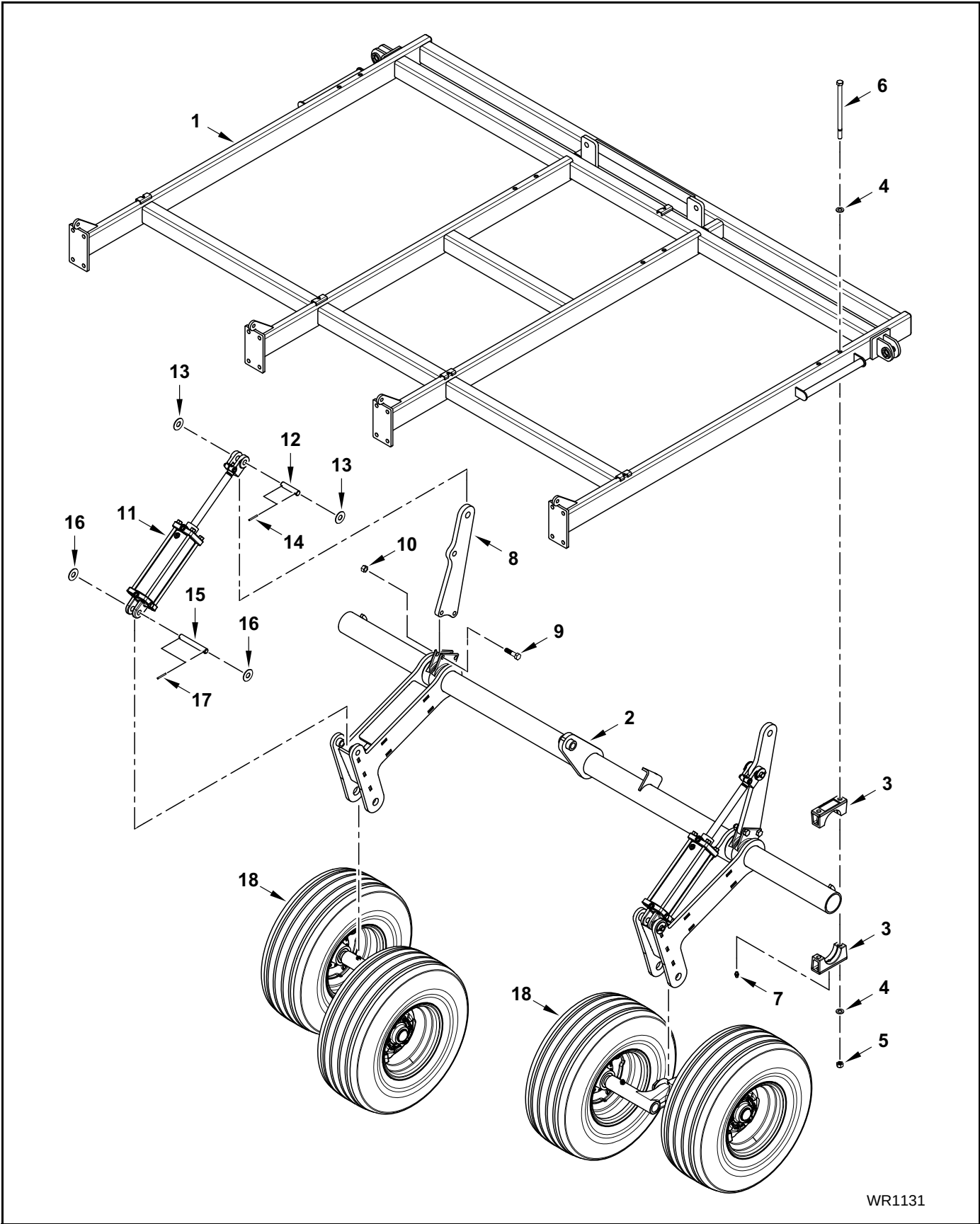


WR1130

Main Frame Mounting - Front & Rear, 3-Section 11'

Ref.	FN	Part Number	Series	Qty.	Description
1		4000361056		1	FRAME, Main, Front Section, 11'
2		241879		1	FRAME, Main, Rear Section, 11'
3		88290		16	BOLT, Hex, 3/4" -10NC x 2", Gr. 8
4		88548		16	WASHER, 3/4"
5		88110		16	NUT, Hex, 3/4" -10, Gr. 5
6		68020		2	STUB, Shank, 12-1/2"
7		68021		2	STUB, Shank, 6-1/2"
8		88507		16	BOLT, Hex, 1/2" -13NC x 3-1/2", Gr. 5
9		88303		16	WASHER, Lock, 1/2"
10		88104		16	NUT, Hex, 1/2" -13, Gr. 5
11		4000361005		2	LINK, Anchor
12		68034		4	PIN, Mounting, 1-1/4" x 3.38"
13		88440		8	BUSHING, 1-1/4" x 1-7/8", 14 Ga.
14		42484		8	PIN, Roll, 1/4" x 2-1/4" ZP
15		65683		1	WING REST, Rear
16		88501		5	U-BOLT, 5/8" -11NC x 4-1/4"
17		88179		10	WASHER, Lock, 5/8"
18		88126		10	NUT, Hex, 5/8"
19		65767		4	PLATE, Mounting
20		67794		2	WING RES, Front

Main Frame - Rear, Axle Mounting, 3-Section 11'

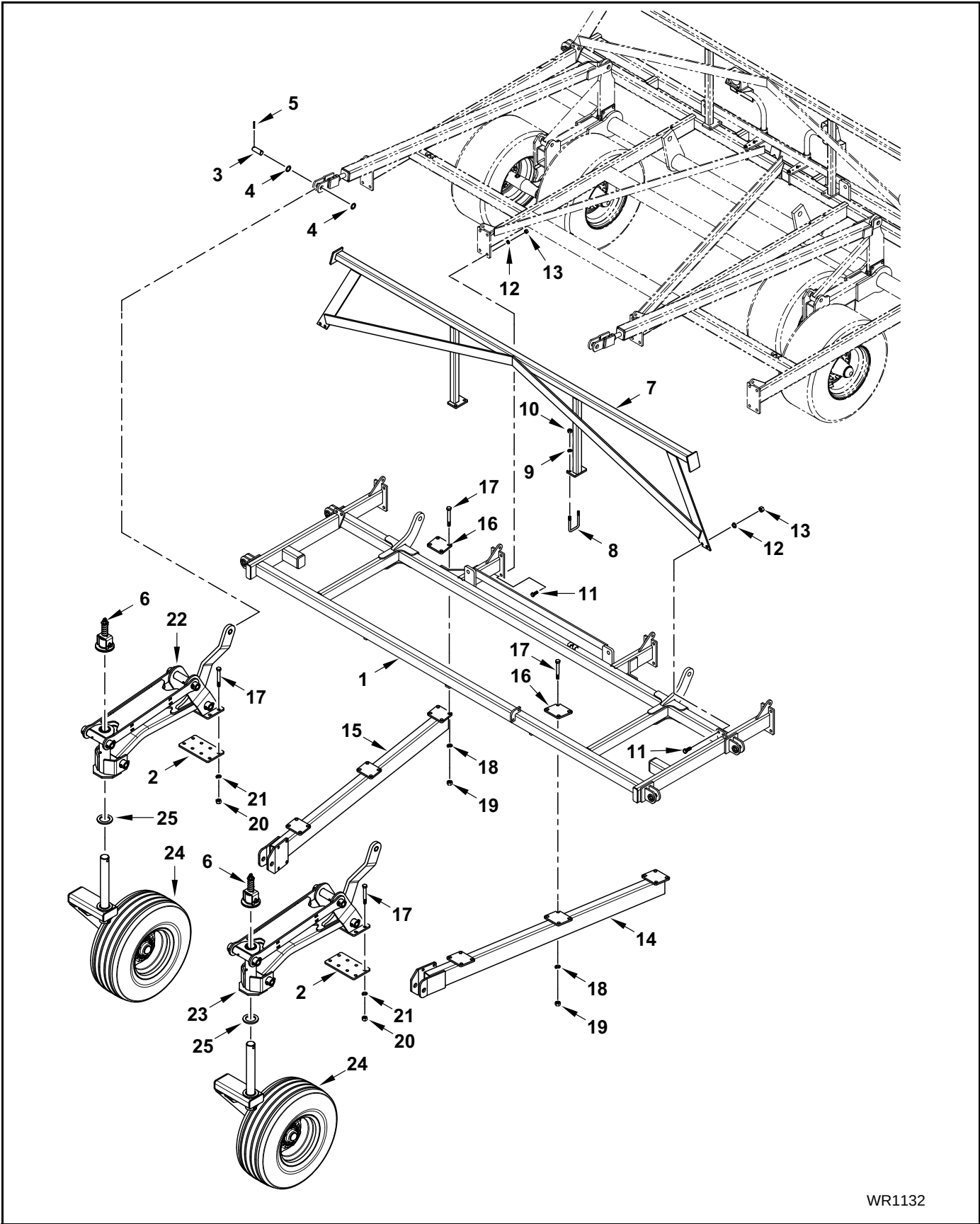


WR1131

Main Frame - Rear, Axle Mounting, 3-Section 11'

Ref.	FN	Part Number	Series	Qty.	Description
1		2418798		1	FRAME, Main, Rear, 11'
2		4000361010		1	AXLE, Main Frame
		4000361060		4	KIT, Axle Mounting, Inc. 3 - 7
3		33998		2	CLAMP
4		88548		4	WASHER, 3/4"
5		88110		2	NUT, 3/4"
6		89165		2	BOLT, Hex, 3/4" -10NC x 13", Gr. 5
7		88550		1	FITTING, Grease
8		334214		2	ANCHOR, Axle
9		88291		4	BOLT, Hex, 3/4" -10NC x 3", Gr. 5
10		88611		2	NUT, Lock, 3/4" -10NC, Gr. 2
11		358314		2	CYLINDER, Depth, Rear Wheel, See page 3-4
12		42430		2	PIN, Mounting, 1" x 3-7/16"
13		88196		4	WASHER, 1"
14		42484		4	PIN, Roll, 1/4" x 2-1/4"
15		334059		2	PIN, Mounting, 1" x 7.14"
16		88196		4	WASHER, 1"
17		42484		4	PIN, Roll, 1/4" x 2-1/4"
18		REF		2	WHEEL WALKER ASSY., Rear, See page 9-2

Main Frame Mounting - Front, 3 & 5-Section 13'



WR1132

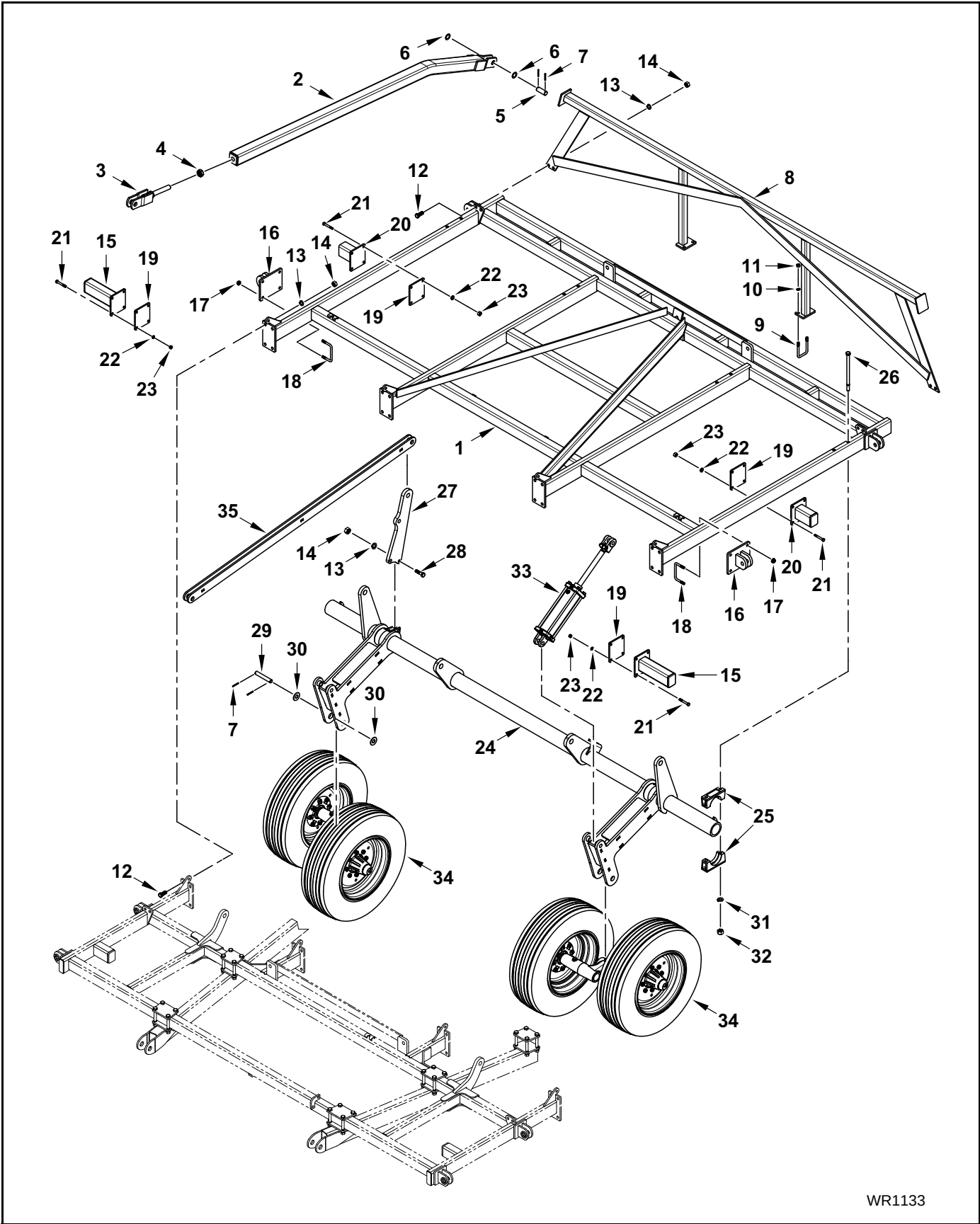
Main Frame Mounting - Front, 3 & 5-Section 13'

Ref.	FN	Part Number	Series	Qty.	Description
1		4000361000		1	FRAME, Main, Front Section 13'
2		222353		2	PLATE, Mounting, Parallel Link Gauge
3		68034		2	PIN, Mounting, 1-1/4" x 3.38"
4		88440		4	BUSHING, 1-1/4" x 1-7/8", 14 Ga. 2
5		42484		4	PIN, Roll, 1/4" x 2-1/4"
6		4000361054		2	BRAKE ASSY., Caster, See page 1-40
7		240818		1	WING REST, 13'
8		88503		2	BOLT, U-Type, 5/8" 11NC x 3" x 5-1/4"
9		88630		4	WASHER, Lock, 5/8"
10		88369		4	NUT, Hex, 5/8" - 11 NC, Gr.5
11		88290		4	BOLT, Hex, 3/4" - 10NC x 2", Gr. 8
12		88130		4	WASHER, Lock 3/4"
13		88110		4	NUT, Hex, 3/4" - 10NC, Gr. 5
14	1	334643		1	TUBE, Hitch, LH
	2	220796		1	TUBE, Hitch, LH
15	1	334646		1	TUBE, Hitch, RH
	2	220795		1	TUBE, Hitch, RH
16		68040		4	PLATE, Mounting, 11' x 13'
17		88293		24	BOLT, Hex, 3/4" - 10NC x 6", Gr. 5
18		88130		8	WASHER, Lock, 3/4"
19		88110		8	NUT, Hex, 3/4" - 10 NC, Gr. 5
20		88665		16	NUT, Lock, 3/4" -10NC, Gr. 5
21		88548		16	WASHER, 3/4"
22		4000361025		1	GAUGE ASSY., Parallel Link, RH, See page 1-40
23		4000361021		1	GAUGE ASSY., Parallel Link, LH, See page 1-40
24		334638		2	ARM ASSY., Parallel Link Gauge, See page 1-40
25		88859		2	WASHER, Thrust

1 - Used on 3-Section (37' - 50') models.

2 - Used on 5-Section (55' - 60') models.

Main Frame Mounting - Rear, 3 & 5-Section 13'

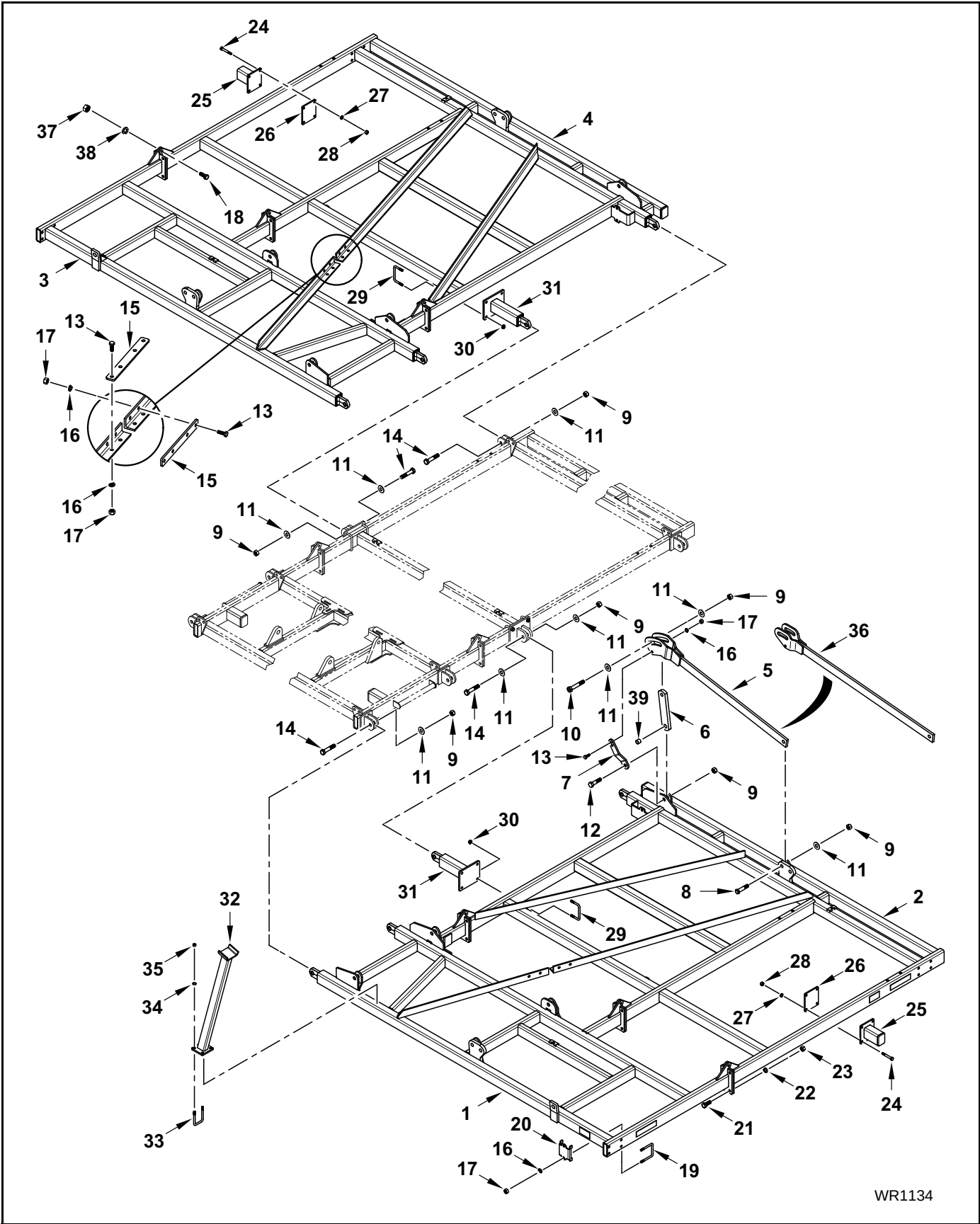


WR1133

Main Frame Mounting - Rear, 3 & 5-Section 13'

Ref.	FN	Part Number	Series	Qty.	Description
1		240810		1	FRAME, Main, Back Section 13'
2		334628		2	TUBE, Quad X Main Mast
3		54800		2	BRACKET, Height Adjuster
4		88622		2	NUT, Jam, 1-1/4"
5		68034		2	PIN, Mounting, 1-1/4" x 3.38"
6		88440		4	BUSHING, 1-1/4" x 1-7/8" x 14 Ga.
7		42484		8	PIN, Roll, 1/4" x 2-1/4"
8		240818		1	WING REST, 13'
9		88503		2	BOLT, U-Type, 5/8" -11NC x 3" x 5-1/4"
10		88630		4	WASHER, Lock 5/8"
11		88369		4	NUT, Lock, 5/8" -11NC, Gr. 5
12		88290		20	BOLT, Hex, 3/4"-10 NC x 2", Gr. 8
13		88130		24	WASHER, Lock 3/4" (13/16 ACT)
14		88110		24	NUT, Hex, 3/4" -10NC, Gr. 5
15		68020		2	SHANK, Stub, 12-1/2"
16		359563		2	HINGE, Main Frame
17		89505		4	NUT, Lock, Flg., 5/8" -11NC
18		89443		4	BOLT, U-Type, 5/8"-11NC x 5" x 3-1/2"
19		65688		4	PLATE, Mounting, 5.5" x 4.75"
20		68021		2	STUB, Shank, 6-1/2"
21		88507		16	BOLT, Hex, 1/2"-13NC x 3-1/2", Gr. 5
22		88303		16	WASHER, Lock 1/2" (9/16 ACT)
23		88104		16	NUT, Hex 1/2" 13NC, Gr. 5
24		334053		1	AXLE, Main Frame, 13'
25		33998		8	CLAMP ASSY., Axle
26		89165		8	BOLT, Hex, 3/4" 10NC x 13", Gr. 5
27		334214		2	ANCHOR, Axle
28		88841		4	BOLT, Hex, 3/4" 10NC x 2-3/4", Gr. 5
29		334059		2	PIN, Mounting, 1" x 7.14"
30		88196		4	WASHER, Flat, 1"
31		88548		16	WASHER, 3/4"
32		88110		16	NUT, Hex, 3/4"
33		358314		2	CYLINDER DEPTH, 4" x 12", See page 3-4
34		REF		2	WHEEL WALKER ASSY., See page 9-2
35		4000361005		2	ANCHOR, Link

Wing Frame Mounting - Inner Wing, 3 & 5-Section



WR1134

Wing Frame Mounting - Inner Wing, 3 & 5-Section

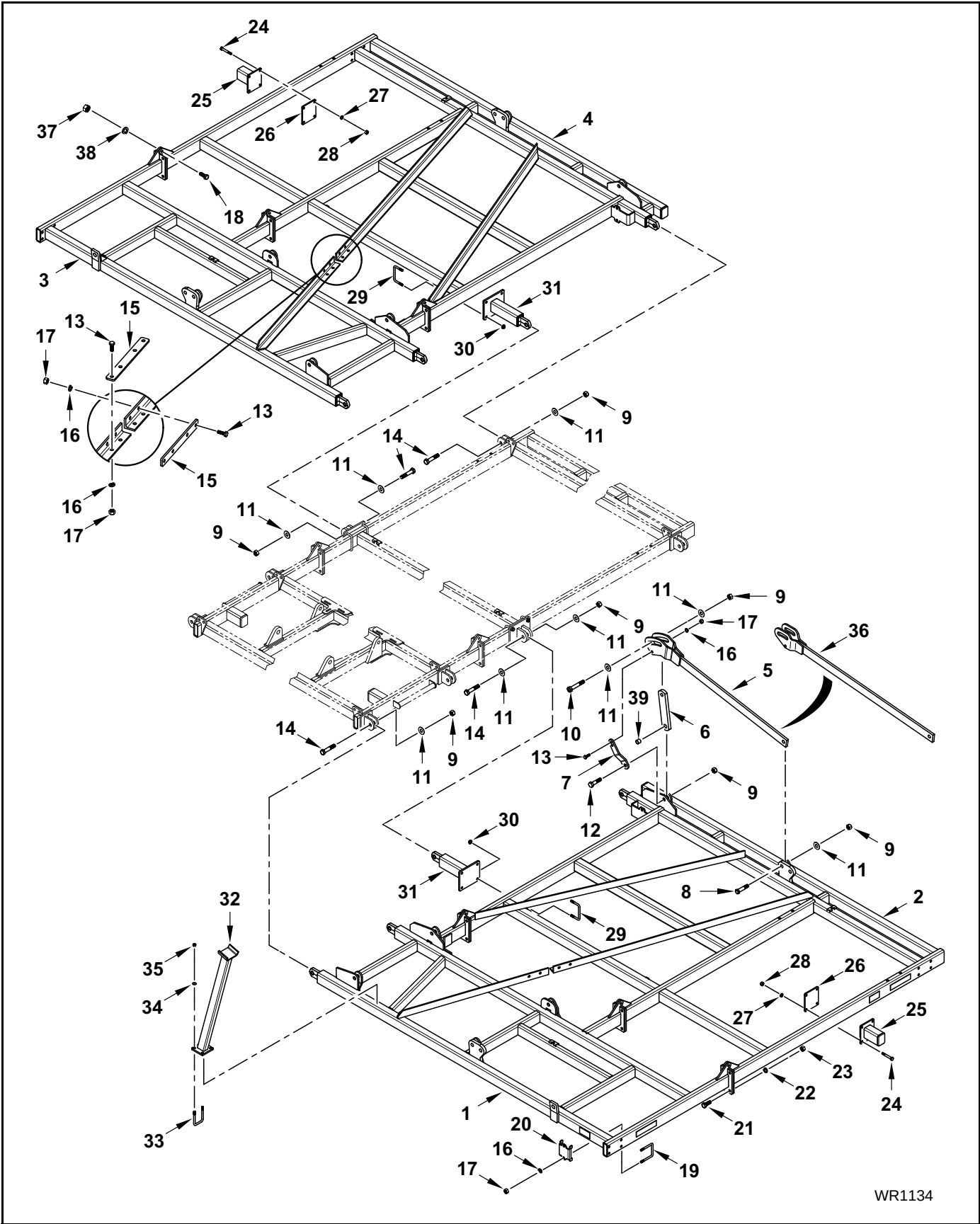
Ref.	FN	Part Number	Series	Qty.	Description
1		241862		1	FRAME, Wing, LH Front, 7'
		241867		1	FRAME, Wing, LH Front, 9' 4"
	1	240817		1	FRAME, Wing, LH Front, 11' 8"
	2	240823		1	FRAME, Wing, LH Front, 11' 8"
2		241857		1	FRAME, Wing, LH Rear, 7'
		241865		1	FRAME, Wing, LH Rear, 9' 4"
	1	240815		1	FRAME, Wing, LH Rear, 11' 8"
	2	240821		1	FRAME, Wing, LH Rear, 11' 8"
3		241861		1	FRAME, Wing, RH Front, 7'
		241866		1	FRAME, Wing, RH Front, 9' 4"
	1	240816		1	FRAME, Wing, RH Front, 11' 8"
	2	240822		1	FRAME, Wing, RH Front, 11' 8"
4		241856		1	FRAME, Wing, RH Rear, 7'
		241864		1	FRAME, Wing, RH Rear, 9' 4"
	1	240814		1	FRAME, Wing, RH Rear, 11' 8"
	2	240820		1	FRAME, Wing, RH Rear, 11' 8"
5		222082		4	BRACKET, Wing Lift, Long
		242870		4	BRACKET, Wing Lift, Short, 34-1/4"
	2	233370		4	BRACKET, Wing Lift, Short, 63-1/8"
6	1	48522		4	LINK, Lift, 8"
	2	221267		4	LINK, Lift
		220867		4	LINK, Lift, 9.31'
7	1	220871		4	PLATE, Wing Lift
	2	245306		4	PLATE, Wing Lift
8	1	88399		4	BOLT, Hex, 1"-8NC x 3", Gr. 5
	2	88580		4	BOLT, Hex, 1"-8NC x 4-1/2", Gr. 5
9		89075		18	NUT, Nylock, 1"-8NC x 5-1/2", Gr. 5
10		355975		4	BOLT, Hex, 1" x 6", Gr. 5
11		88196		24	WASHER, Flat 1"
12		88398		4	BOLT, Hex, 1"-8NC x 4", Gr. 5
13		88838		20	BOLT, Hex, 5/8"-11NC x 1-3/4", Gr. 5
14		88312		6	BOLT, Hex 1"-8NC x 5", Gr. 5
15		241810		4	PLATE, Support

Continued on next page

1 - Used on 3-Section 13' (37' - 50') models.

2 - Used on 5-Section 13' (55' - 60') models.

Wing Frame Mounting - Inner Wing, 3 & 5-Section



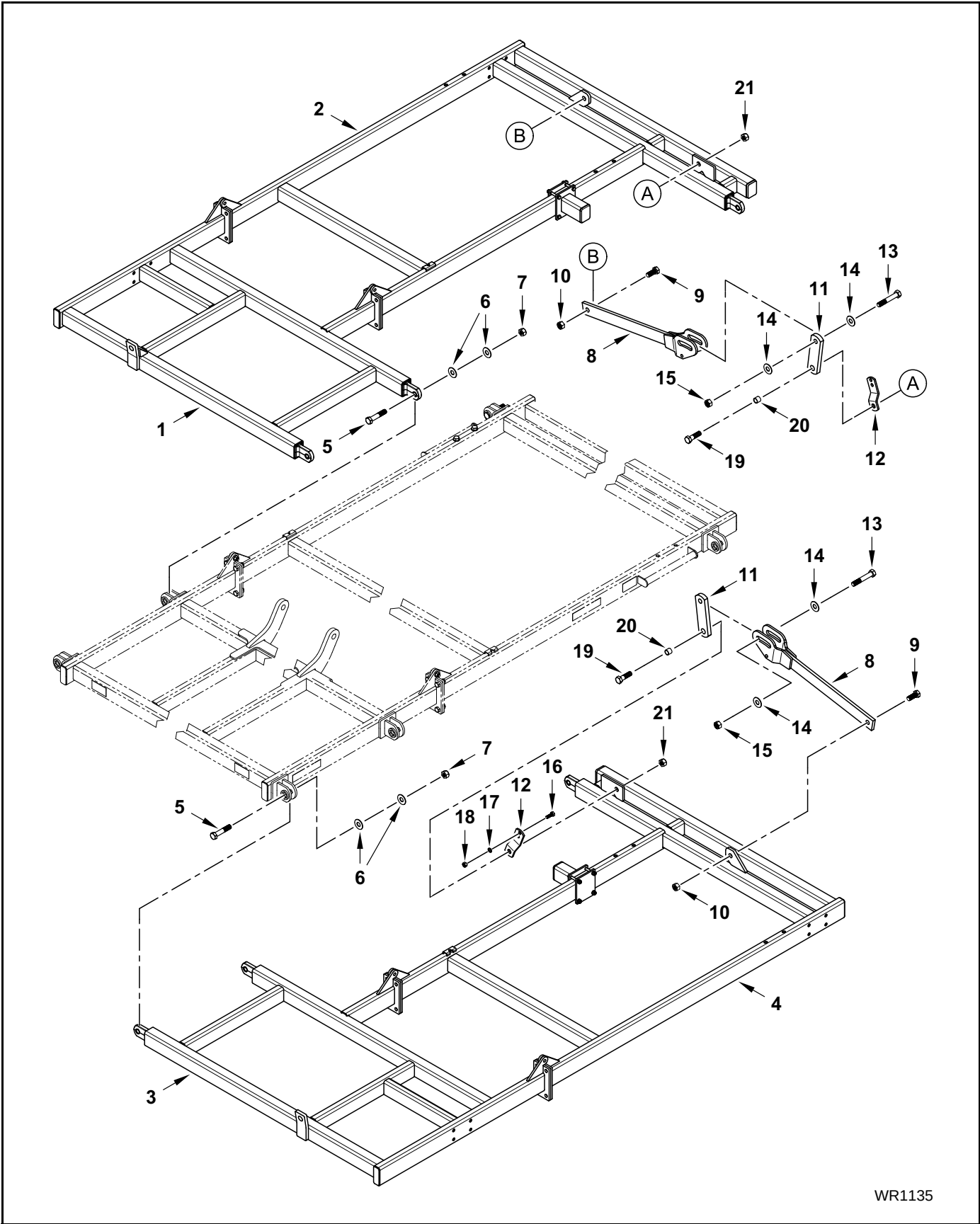
Wing Frame Mounting - Inner Wing, 3 & 5-Section

Ref.	FN	Part Number	Series	Qty.	Description
16		89524		16	WASHER, Lock, 5/8"
17		88126		12	NUT, Hex, 5/8"
18		88294		6	BOLT, Hex, 5/8"-11NC x 2", Gr. 5
19		88145		4	U-BOLT, 5/8"-11NC x 4" x 5-1/4"
20		236400		4	SPACER, Shank
21		88290		24	BOLT, Hex, 3/4"-10NC x 2", Gr. 8
22		88130		24	WASHER, Lock, 3/4"
23		88110		24	NUT, Hex, 3/4" -10NC, Gr. 5
24	2	88507		8	BOLT, Hex, 1/2"-13NC x 3-1/2", Gr. 5
25	2	68021		2	STUB, Shank, 6-1/2"
26	2	65688		2	PLATE, Mounting Stub, 5-1/2" x 4-3/4"
27	2	89054		8	WASHER, 1/2"
28	2	88621		8	NUT, Hex, 1/2" -13NC, Gr. 5
29		89443		4	U-BOLT, 5/8" x 5" x 3-1/2"
30	2	89505		8	NUT, Lock, Flg., 5/8" -11NC, Gr. 5
31	2	359567		2	HINGE, Wing
32	2	221356		4	WING, Rest
33		88503		8	U-BOLT, 5/8" -11NC x 3" x 5-1/4"
34		88630		16	WASHER, 5/8"
35		88369		16	NUT, Lock, 5/8"
36	1	222082		4	BRACKET, Wing Lift
37		88845		10	NUT, Lock, 5/8" -11NC, Gr. 5
38		89524		10	WASHER, 5/8"
39		48523		12	BUSHING, Wing Lift

1 - Used on 3-Section 13' (37' - 50') models.

2 - Used on 5-Section 13' (55' - 60') models.

Wing Frame Mounting - Outer Wing, 3-Section 25' - 27'

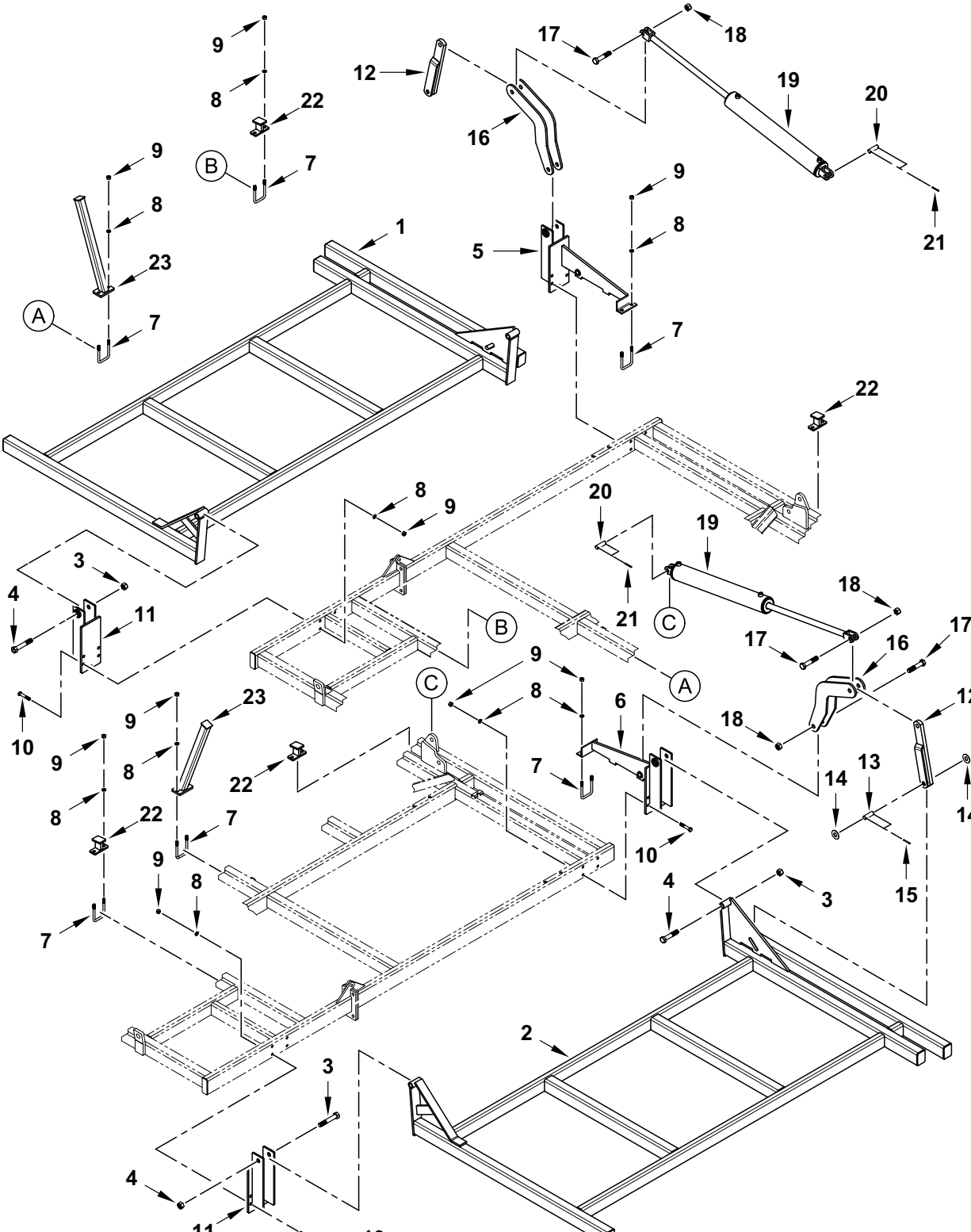


WR1135

Wing Frame Mounting - Outer Wing, 3-Section 25' - 27'

Ref.	FN	Part Number	Series	Qty.	Description
1		241861		1	FRAME, Outer, RH, Front, 7'
2		241856		1	FRAME, Outer, RH, Rear, 7'
3		241862		1	FRAME, Outer, LH, Front, 7'
4		241857		1	FRAME, Outer, LH, Rear, 7'
5		88312		6	BOLT, Hex, 1" -8NC x 5", Gr. 5
6		88196		12	WASHER, 1"
7		89075		6	NUT, Lock, 1" -8NC, Gr. 5
8		220870		2	LINK, Lift Arm
9		88393		2	BOLT, Hex, 1" -8 x 2-1/2", Gr. 5
10		89075		2	NUT, Lock, 1" -8NC, Gr. 5
11		48522		2	LINK, Wing Lift
12		220871		2	STRAP, Wing Lift
13		88264		2	BOLT, Hex, 1" -8NC x 6", Gr. 5
14		88196		4	WASHER, 1"
15		89075		2	NUT, Lock, 1" -8NC, Gr. 5
16		88838		2	BOLT, Hex, 5/8" -11NC x 1-3/4", Gr. 5
17		88129		2	WASHER, Lock, 5/8"
18		88126		2	NUT, Hex, 5/8" -11, Gr.5
19		88447		2	BOLT, Hex, 1" -8NC x 3-1/2", Gr. 5
20		48523		2	BUSHNG, Wing Lift
21		89075		2	NUT, Lock, 1" -8NC, Gr. 5

Wing Frame Mounting - Outer Wing, 3-Section 37' - 50'

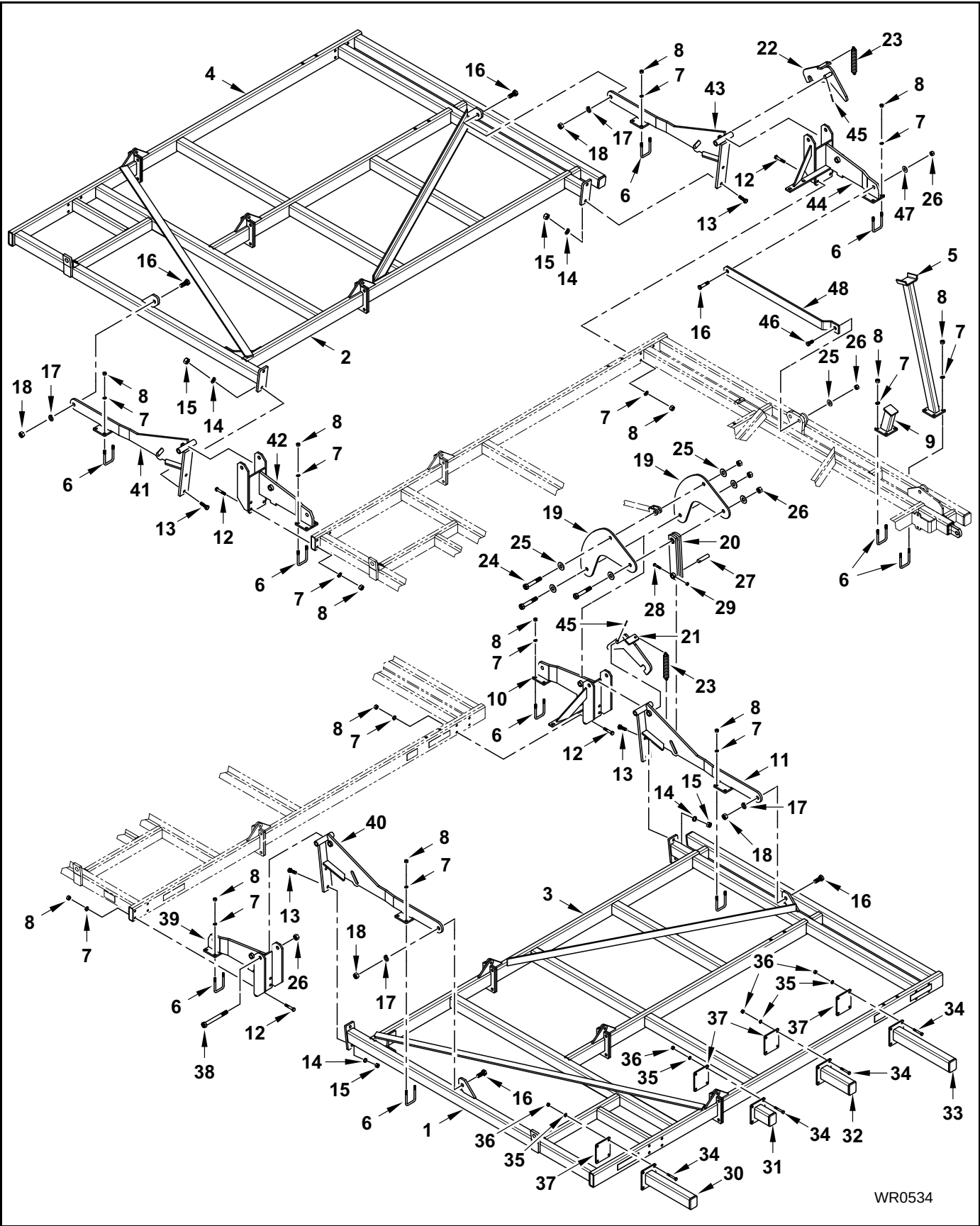


WR1136

Wing Frame Mounting - Outer Wing, 3-Section 37' - 50'

Ref.	FN	Part Number	Series	Qty.	Description
1		241882		1	FRAME, Outer, RH, 3'
		241884		1	FRAME, Outer, RH, 5'
		241887		1	FRAME, Outer, RH, 6'
2		241883		1	FRAME, Outer, LH, 3'
		241885		1	FRAME, Outer, LH, 5'
		241886		1	FRAME, Outer, LH, 6'
3		88264		4	BOLT, Hex, 1" -8NC x 6", Gr. 5
4		89075		4	NUT, Lock, 1" -8NC, Gr. 5
5		68023		1	HINGE, Wing, RH
6		68024		1	HINGE, Wing, LH
7		88503		8	U-BOLT, 5/8" -11NC x 3" x 5-1/4"
8		88129		32	WASHER, Lock, 5/8"
9		88126		32	NUT, Hex, 5/8"
10		88292		16	BOLT, Hex, 5/8" -11NC x 3-1/2", Gr. 5
11		67932		2	HINGE, Wing, RH
12		67903		2	ARM, Linkage
13		42473		2	PIN, Mounting, 1" x 2-3/8"
14		88196		4	WASHER, 1"
15		42484		4	PIN, Roll, 1/4" x 2-1/4"
16		67934		4	PLATE
17		88312		4	BOLT, Hex, 1" -8NC x 5", Gr. 5
18		89075		4	NUT, Lock, 1" -8NC, Gr. 5
19		51229F1		2	CYLINDER, Wing Lift, See page 3-12
20		42473		2	PIN, Mounting, 1" x 2-3/8"
21		42484		4	PIN, Roll, 1/4" x 2-1/4"
22		220875		4	BRACKET, Arm Rest, Short
23		4000360623		2	BRACKET, Arm Rest, Tall

Wing Frame Mounting - Outer Wing, 5-Section



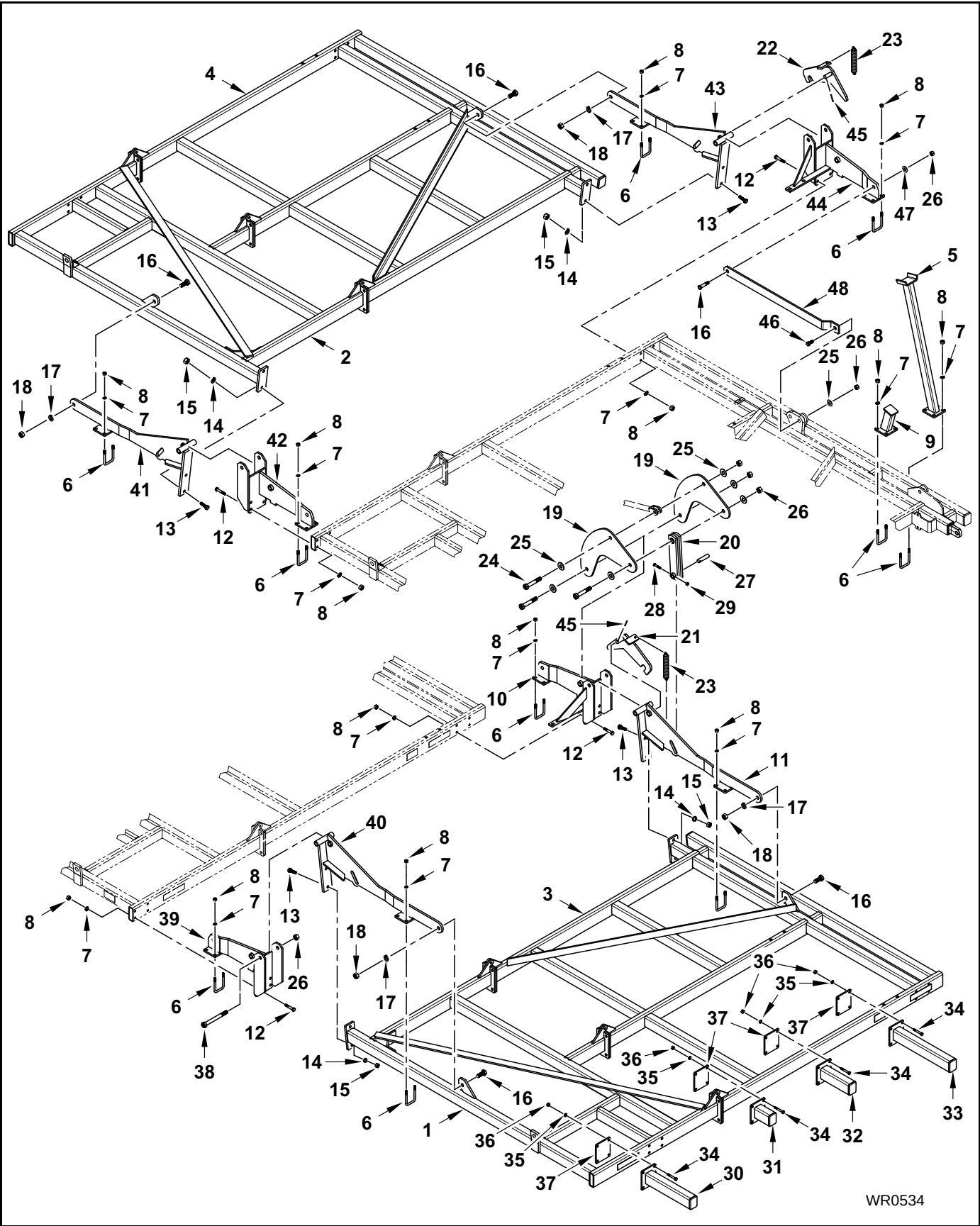
WR0534

Wing Frame Mounting - Outer Wing, 5-Section

Ref.	FN	Part Number	Series	Qty.	Description
1		241899		1	WING, Outer, Front, LH, 7'
		241895		1	WING, Outer, Front, LH, 9'4"
2		241898		1	WING, Outer, Rear, RH, 7'
		241894		1	WING, Outer, Front, RH, 9'4"
3		241889		1	WING, Outer, Rear, LH, 7'
		241892		1	WING, Outer, Rear, LH, 9'4"
4		241888		1	WING, Outer, Rear, RH, 7'
		241891		1	WING, Outer, Rear, RH, 9'4"
5		221356		4	SUPPORT, Wing Rest, Outer
6		88503		32	U-BOLT, 5/8" x 3" x 5-1/4"
7		88129		64	WASHER, Lock, 5/8"
8		88126		80	NUT, Hex 5/8"
9		221358		4	STOP, Wing, Inner
10		221499		1	HINGE, Rear, Inner, LH
11		222848		1	HINGE, Rear, Outer, LH
12		88292		16	BOLT, Hex 5/8"-11NC x 3-1/2"
13		88404		8	BOLT, Hex, 3/4" 10NC x 2-1/2"
14		88130		8	WASHER, Lock 3/4"
15		88110		8	NUT, Hex, 3/4" -10NC, Gr. 5
16		88393		8	BOLT, Hex, 1"-8NC x 2-1/2"
17		88617		4	WASHER, Lock, 1"
18		88125		4	NUT, Hex, 1"
19		22190		8	ARM, Wing
20		221189		4	LINK, Wing, Outer
21		221696		2	LATCH, Wing, Outer, LH
22		221695		2	LATCH, Wing, Outer, RH
23		25863		4	SPRING, 9-1/2" x 1-1/2" OD
24		88264		12	BOLT, Hex, 1"-8NC x 6", Gr. 5
25		88196		28	WASHER, Flat, 1"
26		89075		24	NUT, Nylon Lock, 1"
27		221692		4	PIN, 1" x 4-1/4"
28		89011		4	BOLT, Hex, 3/8"-16NC x 2"
29		88162		4	NUT, Lock, 3/8"
30		242851		2	STUB, Shank, 19-1/2"
31		68021		4	STUB, Shank, 6-1/2"
32		68020		2	STUB, Shank, 12-1/2"
33		242853		2	STUB, Shank, 24-1/2"
34		88507		40	BOLT, Hex, 1/2" - 13NC x 3-1/2"

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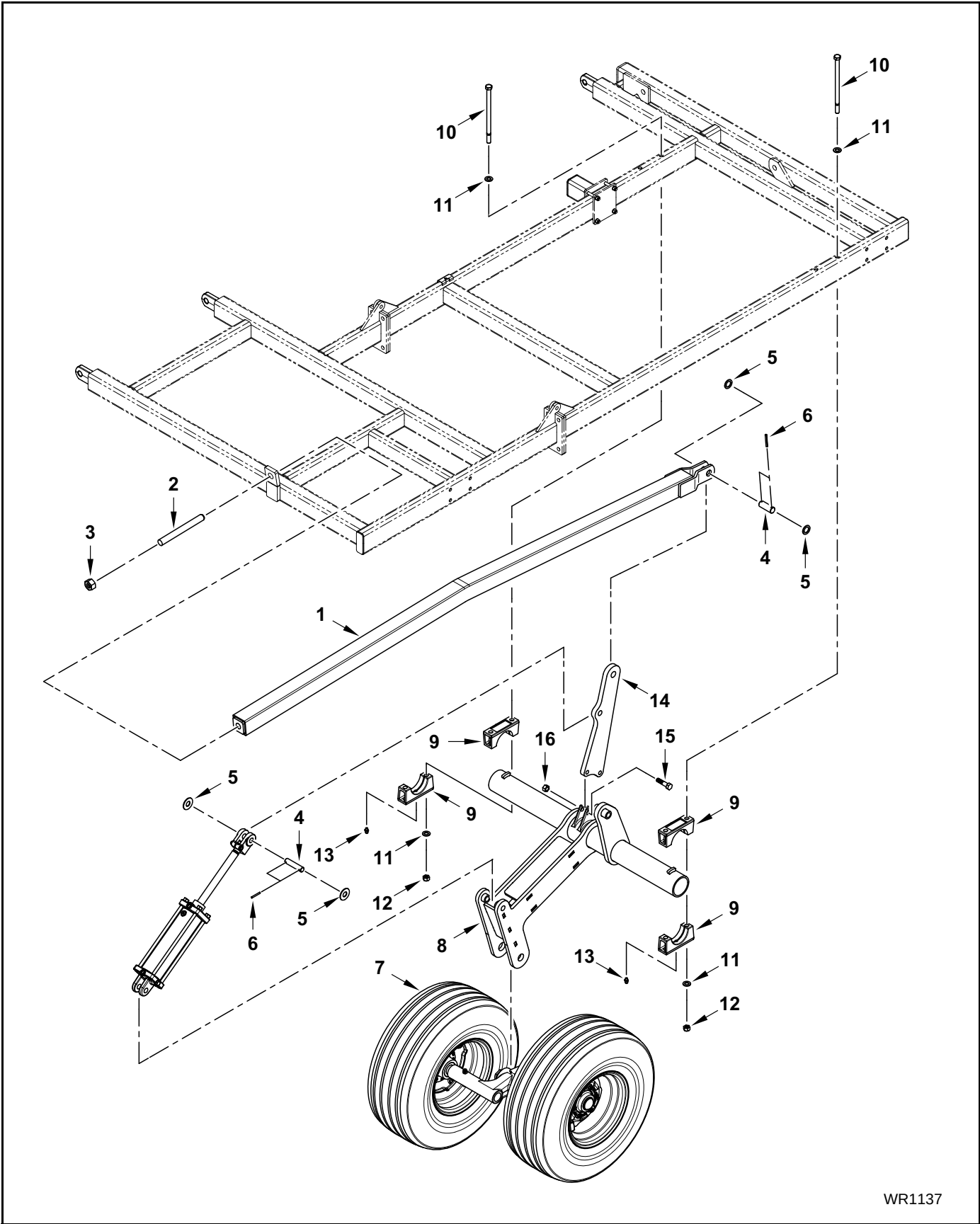
Wing Frame Mounting - Outer Wing, 5-Section



Wing Frame Mounting - Outer Wing, 5-Section

Ref.	FN	Part Number	Series	Qty.	Description
35		88303		40	WASHER, Lock, 1/2"
36		88104		40	NUT, Hex, 1/2"
37		65688		10	PLATE, Mounting, Stub, 5-1/2" x 4-3/4"
38		88901		4	BOLT, Hex, 1"-8NC x 9-1/2"
39		221068		1	HINGE, Front, Inner, LH
40		222848		1	HINGE, Front, Outer LH
41		222849		1	HINGE, Front, Outer RH
42		221067		1	HINGE Front, Inner, RH
43		222849		1	HINGE, Rear, Outer, RH
44		221498		1	HINGE, Rear, Inner, RH
45		42484		4	PIN, Roll, 1/4" x 2-1/4"
46		88580		4	BOLT, Hex, 1" -8NC x 4-1/2", Gr. 5
47		88738		4	WASHER, 1" SAE
48		221693		4	STRAP, Anchor

Wing Frame Lift And Height Components, 3-Section 11'

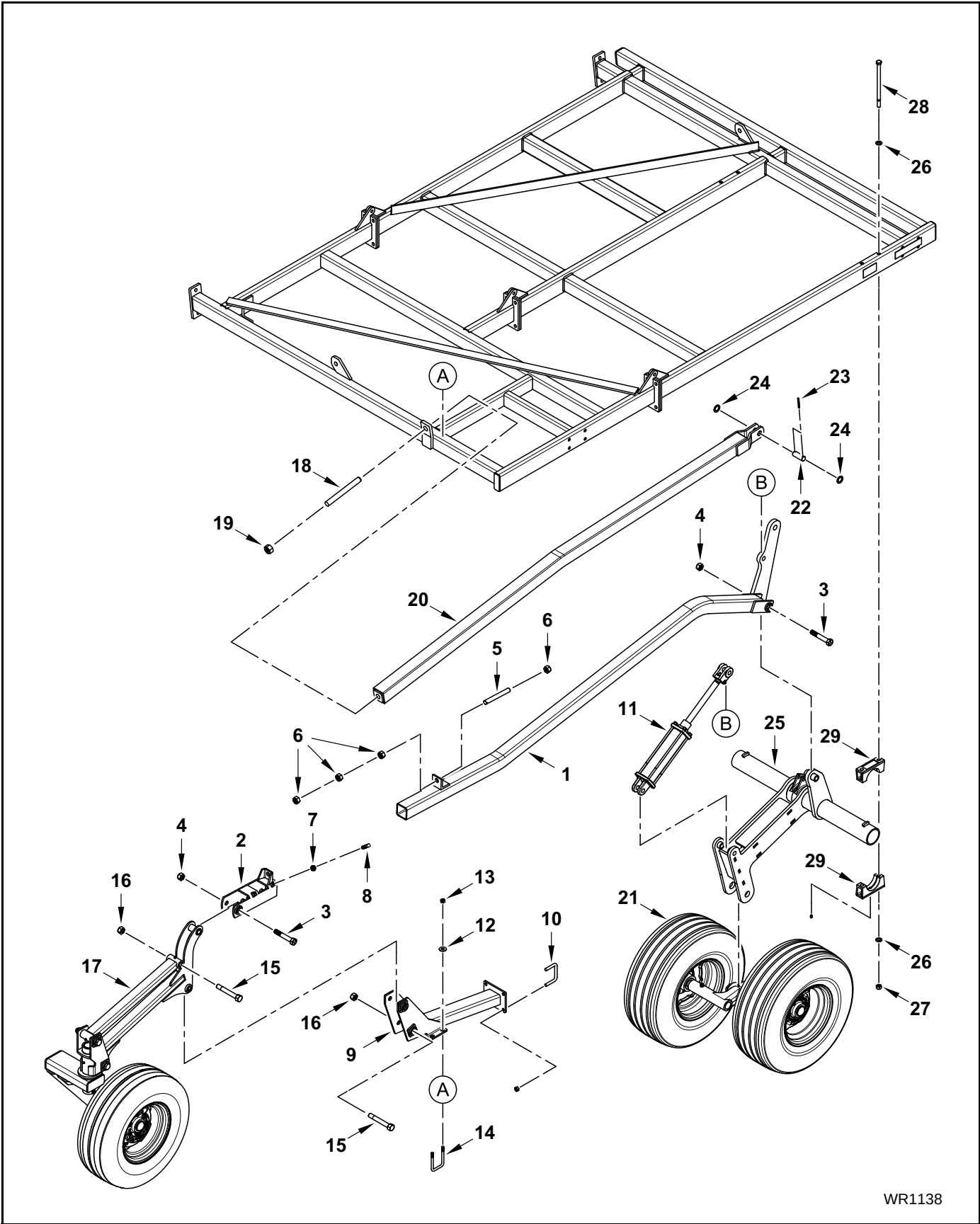


WR1137

Wing Frame Lift And Height Components, 3-Section 11'

Ref.	FN	Part Number	Series	Qty.	Description
1		334634		2	ARM, Wing Adjustment
2		357719		2	ROD, Adjustment
3		88613		2	NUT, Hex, 1-1/4" -7NC
4		68034		2	PIN, Mounting, 1-1/4" x 3.38"
5		88440		4	BUSHING, 1-1/4" x 1-7/8" 14 Ga.
6		42484		4	PIN, Roll, 1/4" x 2-1/4"
7		REF		2	WHEEL & WALKING AXLE, Wing Frame, See page 9-4
8		334054		2	BRACKET, Mounting, Tandem Axle
9		33998		8	CLAMP, Axle
10		89165		8	BOLT, Hex, 3/4" -10NC x 13", Gr. 5
11		88548		16	WASHER, 3/4"
12		88110		8	NUT, Hex, 3/4" -10, Gr. 5
13		88550		2	FITTING, Grease, 1/4"
14		334214		2	ANCHOR, Wing
15		88291		4	BOLT, Hex, 3/4" -10 x 3", Gr. 5
16		88611		4	NUT, Hex, 3/4" -10NC, Gr. 2

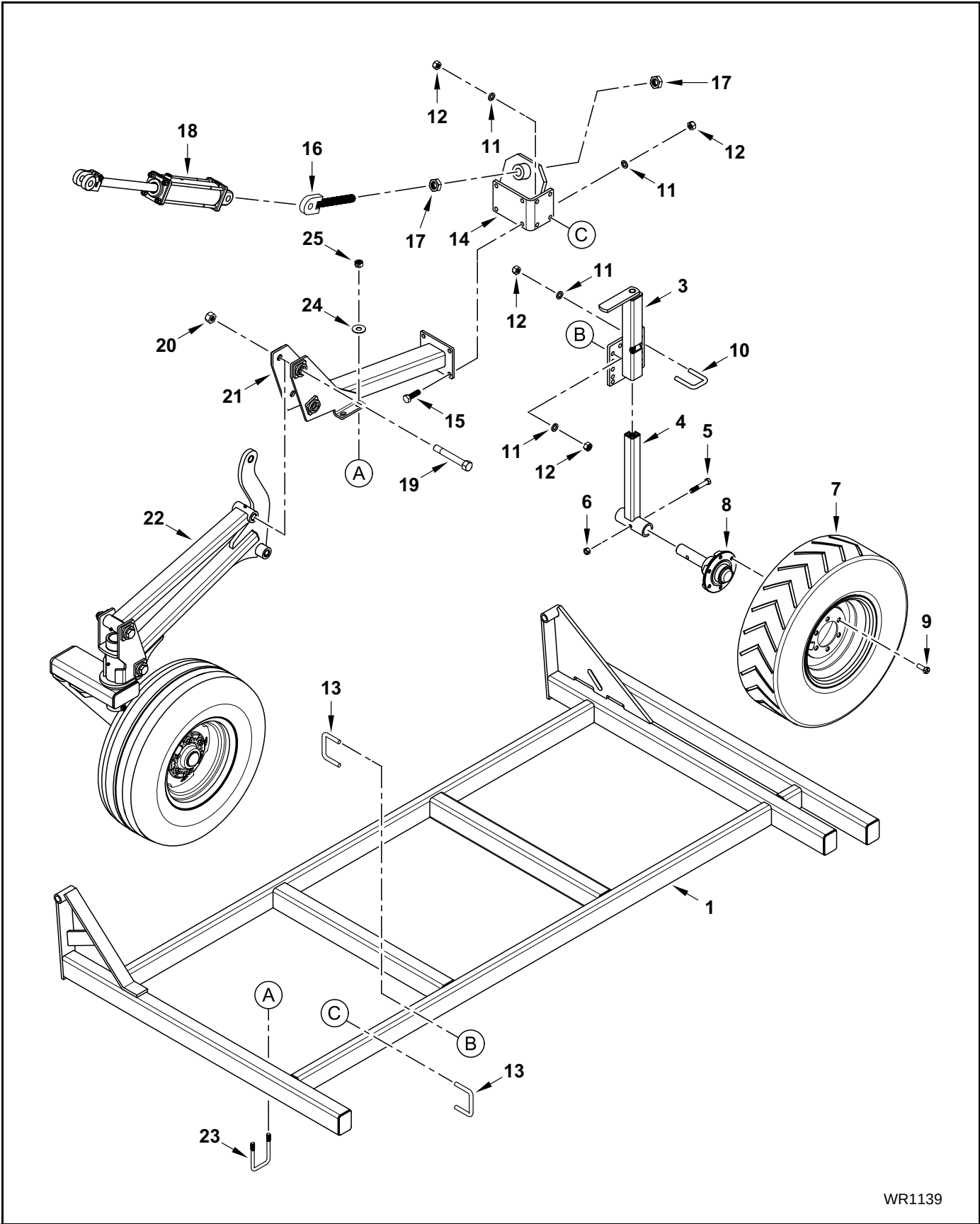
Wing Frame Lift And Height Components, 3 & 5-Section 13'



Wing Frame Lift And Height Components, 3 & 5-Section 13'

Ref.	FN	Part Number	Series	Qty.	Description
1		334620		2	TUBE, Wing
2		334622		2	BRACKET, Gauge Tube, Adjust
3		88264		2	BOLT, Hex, 1" -8NC x 4-1/2", Gr. 5
4		89075		2	NUT, Hex, Lock 1"
5		49352		2	ROD, Adjustment Threaded 1" x 8"
6		86125		8	NUT, Hex 1"
7		88561		6	NUT, Jam, 1/2" -13NC, Gr. 5
8		88454		6	SCREW, Set 1/2"
9		220853		2	MOUNT, Gauge Wheel
10		88388		4	U-BOLT, 5/8"-11NC x 4" x 3-1/4"
11		358313		2	CYLINDER, Hydraulic, 3-3/4" x 12", See page 3-6
12		88277		8	WASHER, Flat, 5/8"
13		88369		8	NUT, Hex, 5/8"
14		88503		4	U-BOLT, 5/8"- 11NC x 3" x 5-1/4"
15		221336		4	BOLT, Hex, LH 1" NC x 6.88", Gr. 5
16		89075		2	NUT, Hex, Lock 1"
17		REF		2	GAUGE, Parallel, See page 1-42
18		357719		2	ROD, Adjustment
19		88613		2	NUT, Jam, 1-1/4"
20		334634		2	ARM, Wing Adjustment
21		REF		2	WHEEL & WALKING AXLE, See page 9-4
22		68034		2	PIN, 1-1/4" x 3.38"
23		42484		4	PIN, Roll, 1/4" x 2-1/4"
24		88440		4	BUSHING, Washer 1-1/4" x 1-7/8"
25		334063		2	BRACKET, Mounting, Tandem Axle
26		88548		16	WASHER, 3/4"
27		88110		16	NUT, Hex, 3/4" -10NC, Gr. 5
28		89165		8	BOLT, Hex, 3/4" x 13"
29		33998		8	CLAMP, Axle

Outer Wing Frame Lift And Height Components, 3-Section 6'

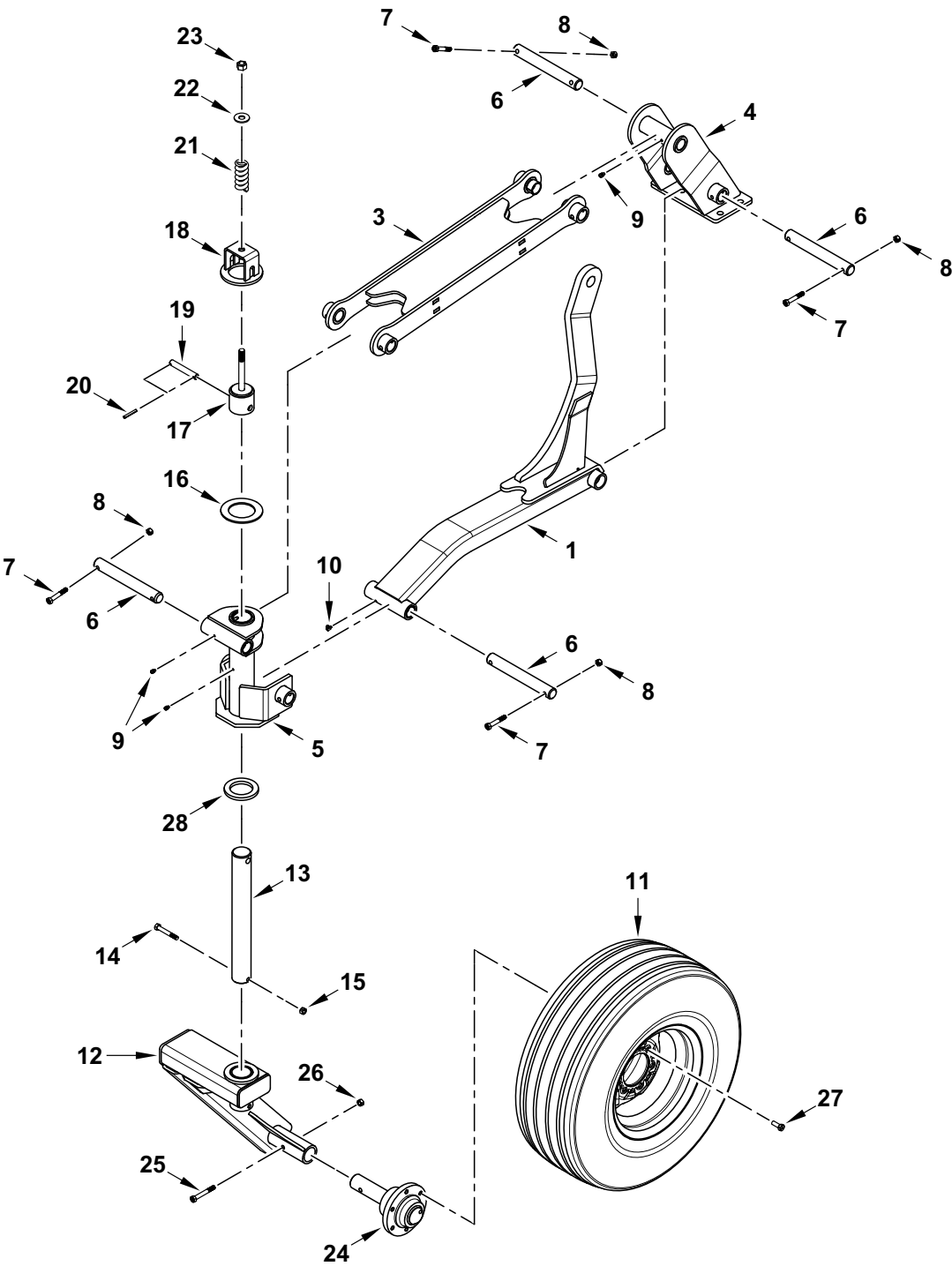


WR1139

Outer Wing Lift And Height Components, 3-Section 6'

Ref.	FN	Part Number	Series	Qty.	Description
1		241886		1	WING, Outer, LH, 6'
2		241887		1	WING, Outer, RH, 6', Not Shown
3		15485		2	BRACKET, Manual Height Adjustment
4		15475		2	TUBE, Wheel Mounting
5		88313		2	BOLT, Hex
6		88304		2	NUT, Lock, 1/2" -20NF, Gr. 2
7		16290		2	WHEEL, Manual Height Adjustment, See page 9-12
8		41234		2	HUB, Wheel, Inc. 9, See page 9-10
9		88142		6	BOLT, Wheel, 1/2" x 1"
10		88311		2	U-BOLT, 5/8" -11NC x 2-1/2" x 3-3/4"
11		88129		26	WASHER, Lock, 5/8"
12		88126		26	NUT, Hex, 5/8"
13		88388		8	U-BOLT, 5/8" -11NC x 4" x 3-1/4"
14		235271		2	ANCHOR, Outer Wing
15		88294		6	BOLT, Hex, 5/8" -11 x 2", Gr. 5
16		54641		2	ROD, Adjustment
17		88622		4	NUT, Jam, 1-1/4" -7NC, Gr. 5
18		356864		2	CYLINDER, Hydraulic, See page 3-8
19		221336		4	BOLT, Pivot
20		89075		4	NUT, Lock, 1"
21		220853		2	MOUNT, Gauge Wheel
22		REF		2	GUAGE, Parallel, See page 1-42
23		88503		4	U-BOLT, 5/8" -11NC x 3" x 5-1/4"
24		88277		8	WASHER, 5/8"
25		88369		8	NUT, Lock, 5/8" -11NC, Gr. 5

Gauge Assembly, Parallel Link

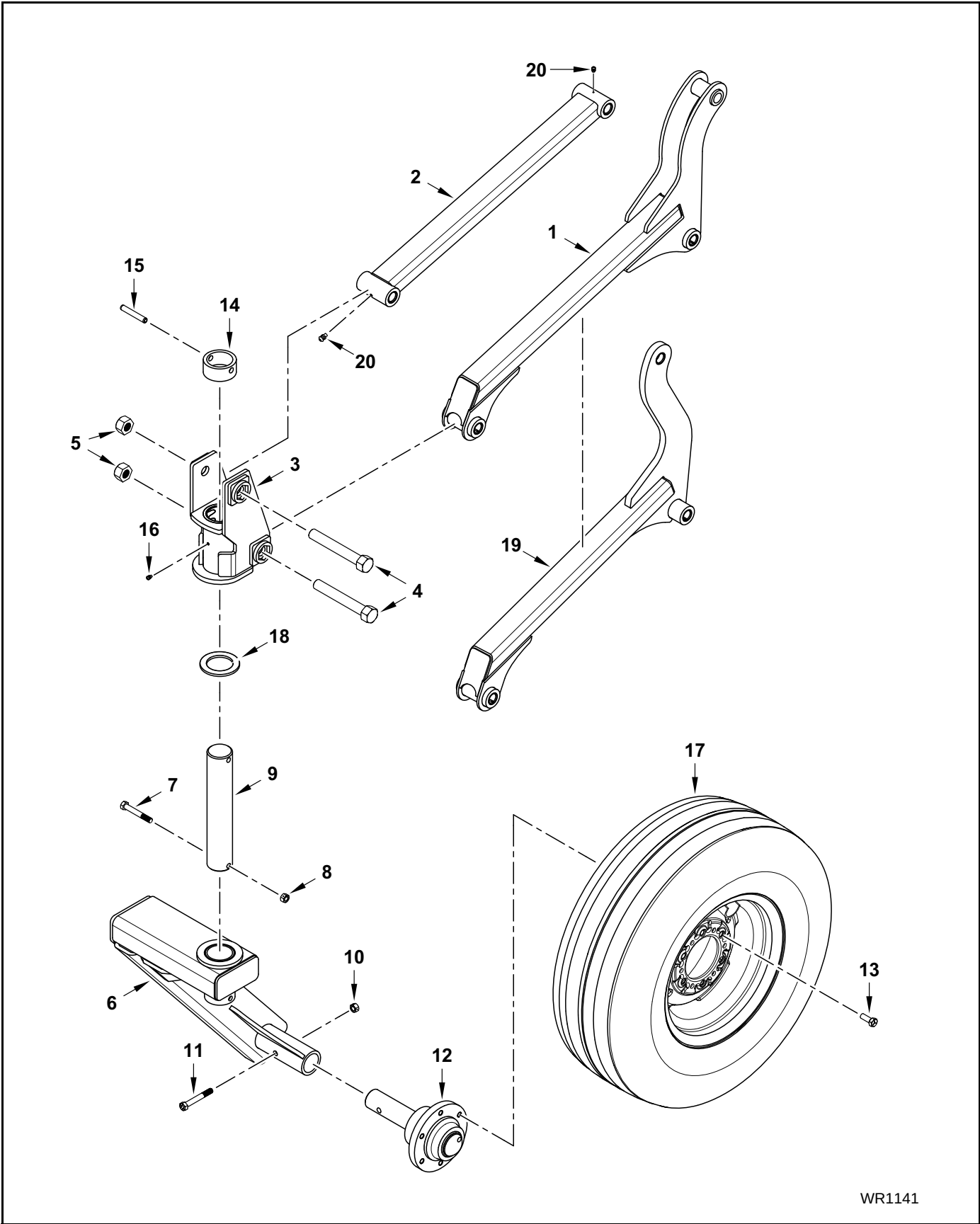


WR1140

Gauge Assembly, Parallel Link

Ref.	FN	Part Number	Series	Qty.	Description
		4000361021		1	GAUGE ASSY., Parallel Link, LH, Inc. 1 - 8
		4000361025		1	GAUGE ASSY., Parallel Link RH, Inc. 2 - 8
1		4000361019		1	LIFT ARM, Center, RH
2		4000361022		1	LIFT ARM, Center, LH, Not Shown
3		333391		1	ARM, Top Link
4		4000361036		1	MAST, Gauge Wheel
5		4000361030		1	PIVOT, Gauge Wheel
6		334297		4	PIN, Mounting
7		88541		8	BOLT, Hex, 1/2" -13NC x 3", Gr. 5
8		88363		8	NUT, Lock, 1/2"
9		88550		3	FITTING, Grease, 1/4"
10		89305		1	FITTING, Grease, 90°, 1/4"
11		358660		2	WHEEL ASSY., Parallel Link Gauge, 320/70R15, 6-Bolt, 10", See page 9-12
		334638		1	ARM ASSY., Parallel Link Gauge, Inc. 12 - 15
12		334276		1	ARM, Single
13		4000361035		1	PIN, 2.5" x 23"
14		88460		1	BOLT, Hex, 1/2" -20NF x 3-1/2", Gr. 8, Damper Brake
15		88304		1	NUT, Lock, 1/2" -20NF, Gr. 2
		4000361054		1	BRAKE ASSY., Gauge Wheel, Inc. 16 - 23
16		233742		1	PAD, Damper Brake
17		233746		1	COLLAR
18		233748		1	BRACKET, Top Damper
19		233749		1	PIN, Mounting
20		88628		2	PIN, Roll, 1/4" x 1-3/4" NC
21		54832		1	SPRING, Compression, 4-1/2"
22		88131		1	WASHER, Flat, 3/4"
23		88611		1	NUT, Lock, Nylon, 3/4" NC
		4000361052		1	HUB SPINDLE ASSY., Gauge Wheel, Inc. 24 - 27
24		14131		1	HUB SPINDLE ASSY., Main Frame, Front, 2", See page 9-8
25		88460		1	BOLT, Hex, 1/2" -20NF x 3-1/2", Gr. 8
26		88304		1	NUT, Lock, 1/2"
27		88142		6	BOLT, Lug
28		88859		6	WASHER, Thrust

Parallel Gauge Assembly - Inner & Outer Wing



WR1141

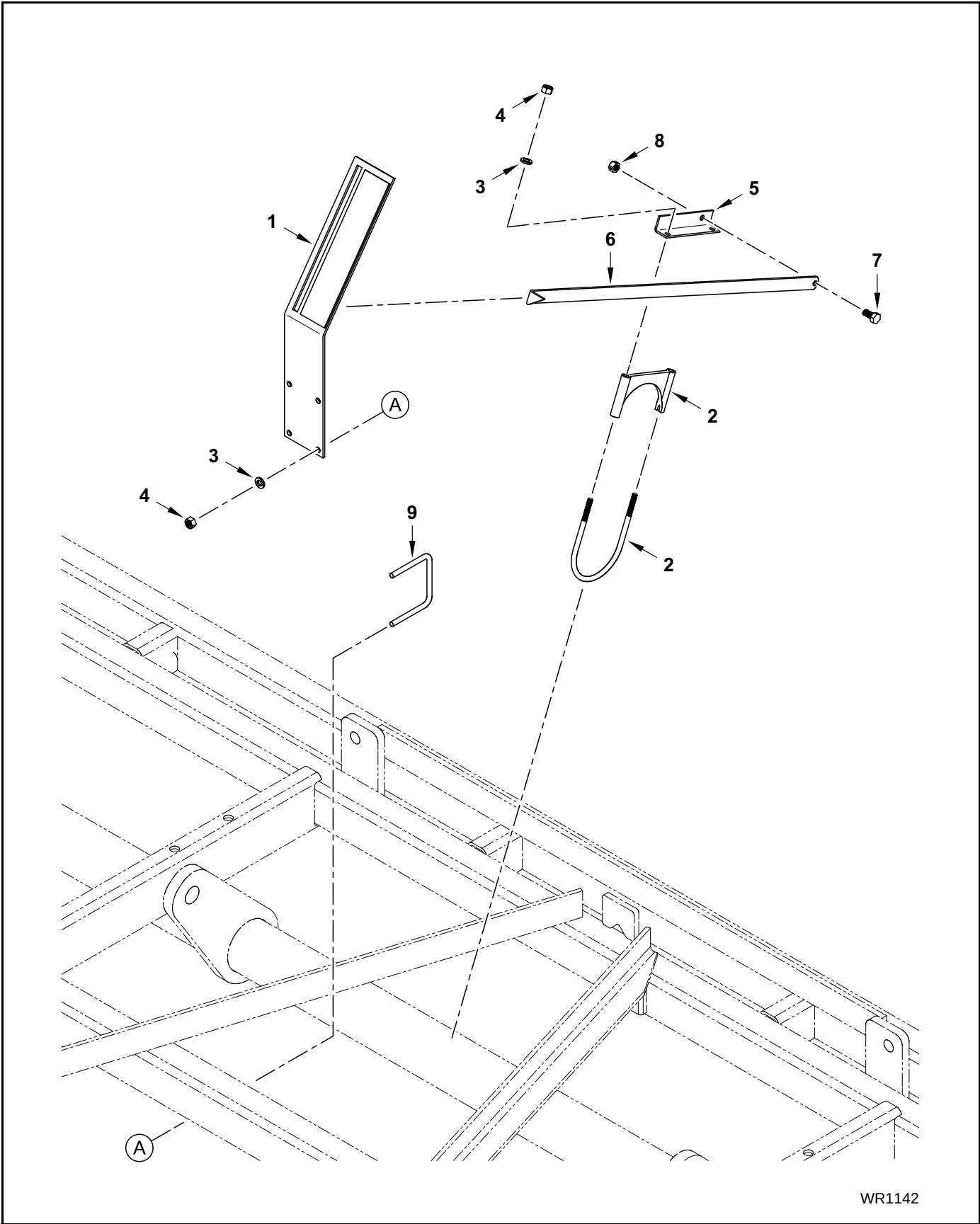
Parallel Gauge Assembly - Inner & Outer Wing

Ref.	FN	Part Number	Series	Qty.	Description
	1	334766		4	GAUGE ASSY., Parallel, Inc. 2 - 20
	2	334653		4	GAUGE ASSY., Parallel, Inc. 1 - 18 & 20
1	2	4000361040		4	ARM, Gauge, Lower
2	2	4000361042		4	ARM, Gauge, Upper
	1	4000361043		4	ARM, Gauge, Upper
3		4000361045		4	PIVOT, Gauge Wheel
4		221336		8	BOLT, Hex, 1" NC x 6.88", Gr. 5
5		89075		8	NUT, Hex, Nylon Lock, 1"
		334618		4	WHEEL ASSY., Gauge, Inc. 6 - 10
6		NSS		1	ARM, Single
7		88460		3	BOLT, Hex, 1/2"-20NC, Gr. 5
8		88304		4	NUT, Lock, 1/2"-20NC, Gr. 5
9		4000361049		1	PIN, Mounting
10		88460		4	BOLT, Hex 1/2"- 20NF x 3.5"
11		88304		4	NUT, Hex, 1/2"
12		14131		4	HUB ASSY., Parallel Gauge Wheel, See page 9-8
13		88142		24	BOLT, Lug 1/2"- 20NF x 1"
14		4000361051		4	COLLAR, Stop, Link Arm
15		88862		1	PIN, Roll
16		88550		3	FITTING, Grease, 1/4"- 28NF
17		334275		2	WHEEL ASSY., Parallel Gauge, See page 9-12
18		88859		1	WASHER, Thrust
19	1	4000361164		1	ARM, Gauge, Lower
20		88550		2	FITTING, Grease, 1/4"

1 - Used on 3-Section 13' (37' - 50') models only.

2 - Used on 5-Section 13' (55' - 60') models only.

Depth Gauge

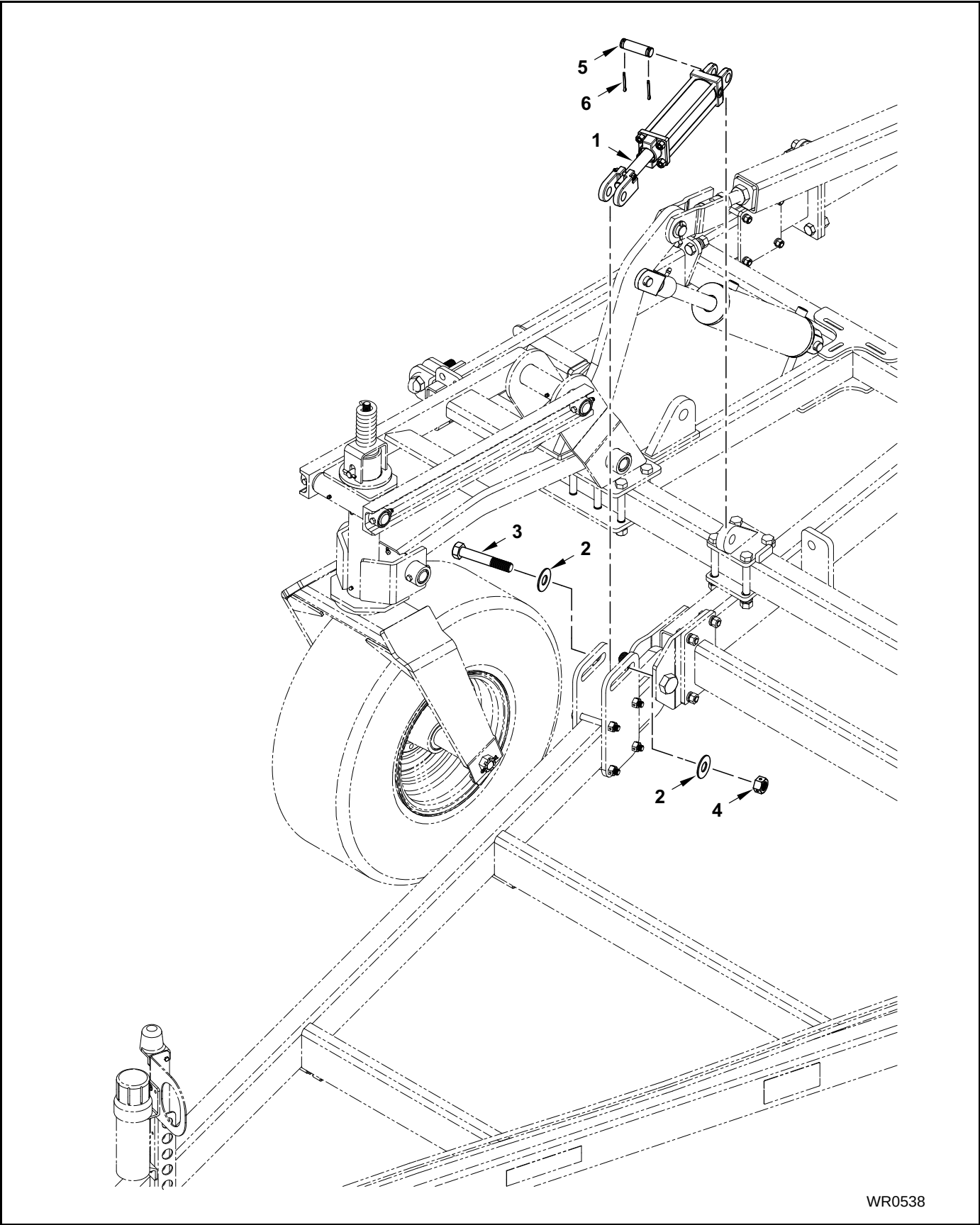


WR1142

Depth Gauge

Ref.	FN	Part Number	Series	Qty.	Description
		4000361076		1	KIT, Depth Gauge, Inc. 1 - 9
1		69303		1	GAUGE, Depth
2		69314		1	CLAMP, Mounting, 4-1/2"
3		88362		6	WASHER, Lock, 3/8"
4		88103		6	NUT, Hex, 3/8"
5		69310		1	BRACKET, Mounting
6		69309		1	ARM, Depth Indicator
7		88566		1	BOLT, Hex, 3/8" -16NC x 3/4", Gr. 5
8		88162		1	NUT, Lock, 3/8"
9		88514		2	U-BOLT, 3/8" -16NC x 4" x 3-3/4"

Hitch Cylinder Mounting

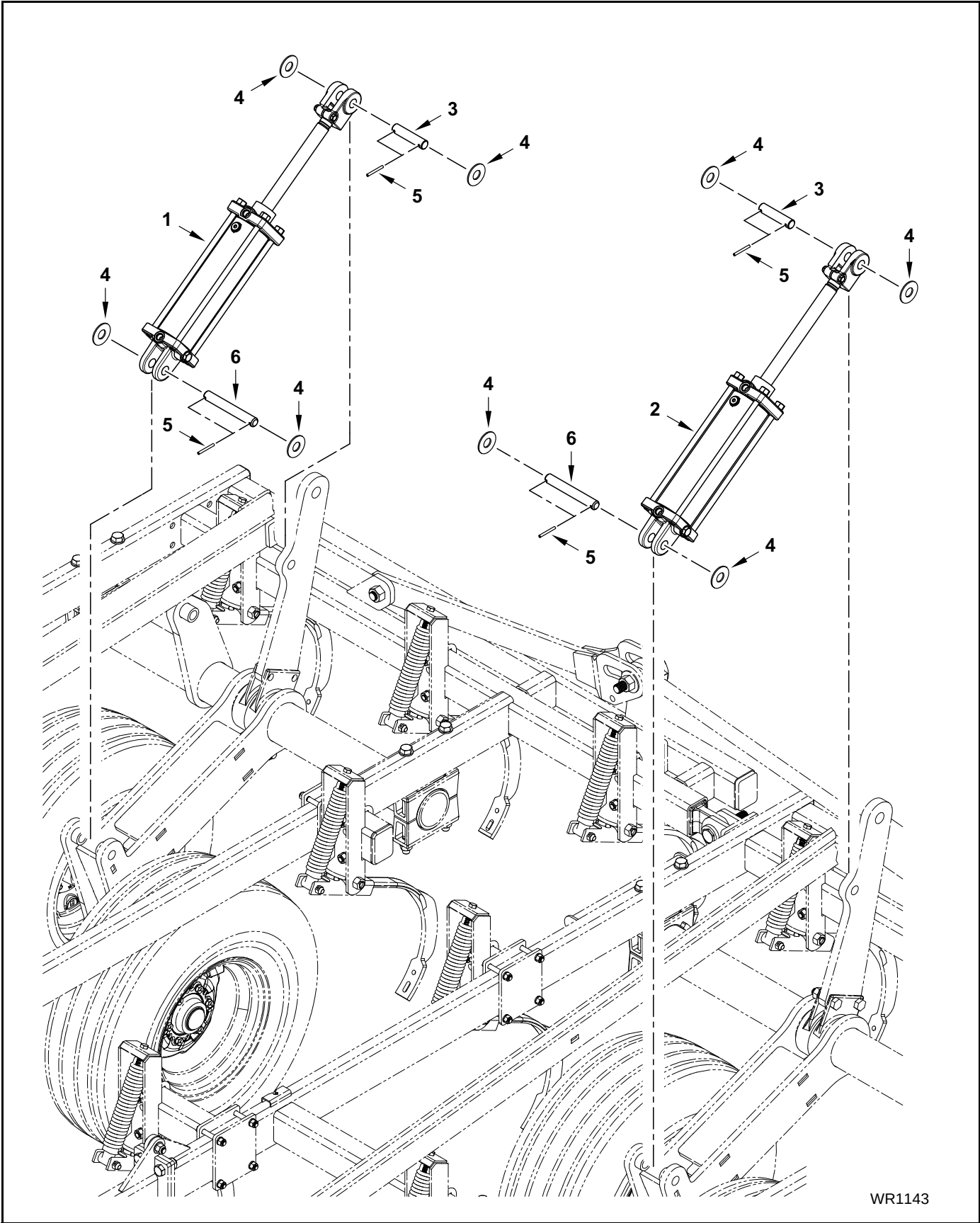


WR0538

Hitch Cylinder Mounting

Ref.	FN	Part Number	Series	Qty.	Description
1		223324		2	CYLINDER, Hydraulic, 2-1/2" x 8"
2		88196		4	WASHER, Flat, 1"
3		88264		2	BOLT, Hex 1"-8NC x 6", Gr. 5
4		88348		2	NUT, Lock 1" -8NC

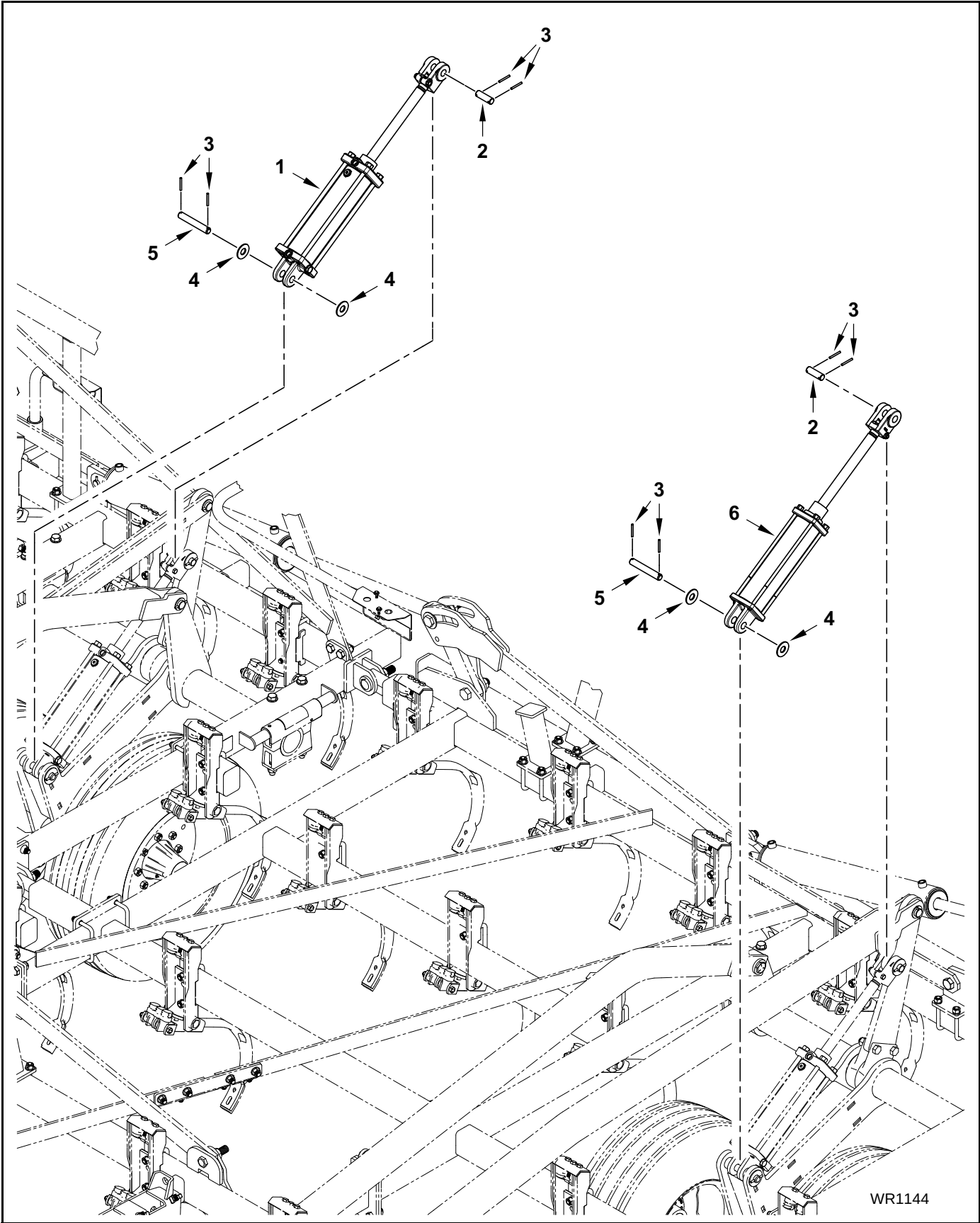
Depth Cylinder Mounting - Main & Outer Frame, 3-Section 11'



Depth Cylinder Mounting, Main & Outer Frame, 3-Section 11'

Ref.	FN	Part Number	Series	Qty.	Description
1		358313		2	CYLINDER, Depth, Outer Wing
2		358314		2	CYLINDER, Depth, Main Frame
3		42430		4	PIN, Mounting, 1" x 3-7/16"
4		88196		16	WASHER, Flat 1"
5		42484		16	PIN, Roll, 1/4" x 2-1/4"
6		334059		4	PIN, Mounting, 1" x 7.14"

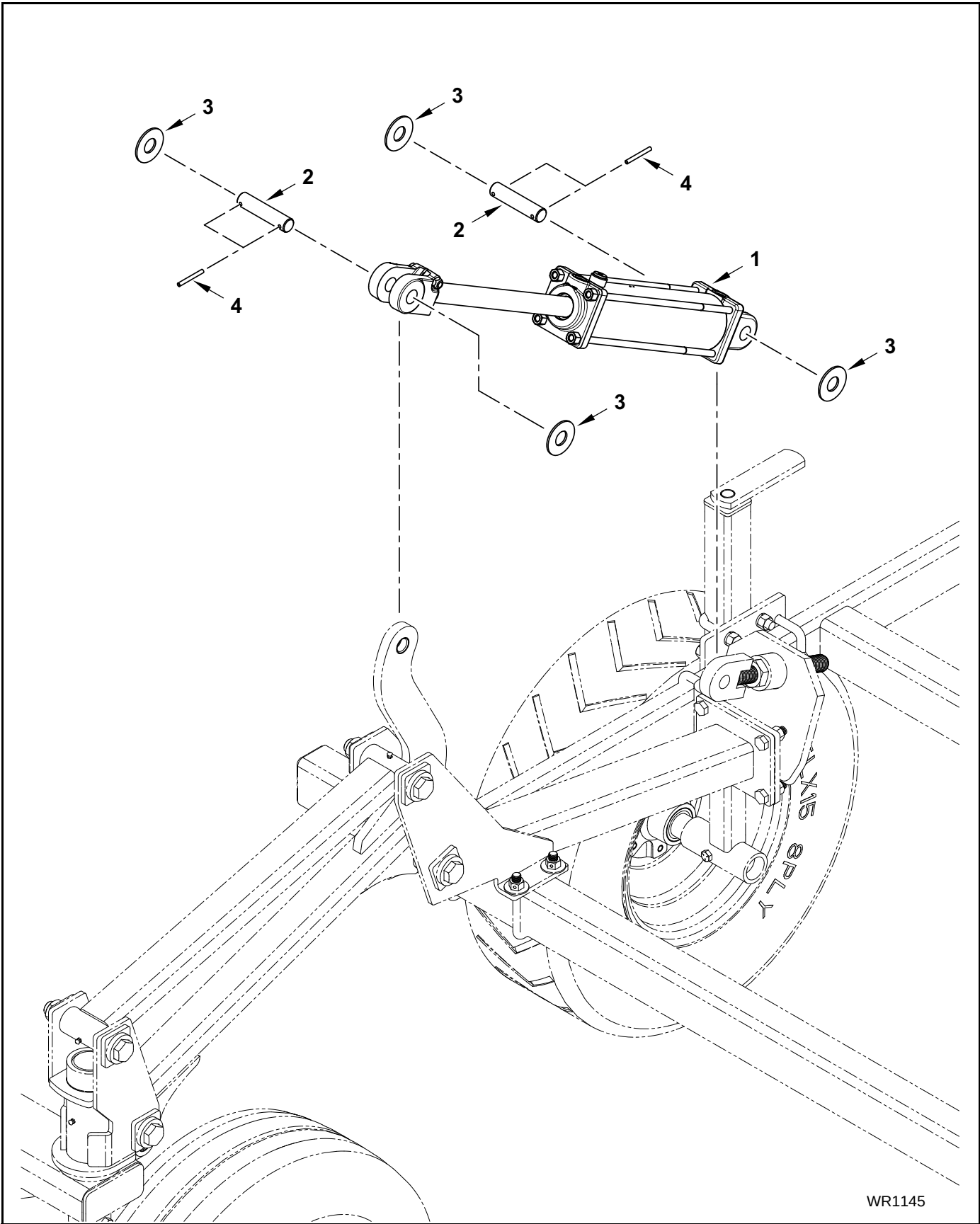
Depth Cylinder Mounting - Main & Inner Frame, 3 & 5-Section 13'



Depth Cylinder Mounting, Main & Inner Frame, 3 & 5-Section 13'

Ref.	FN	Part Number	Series	Qty.	Description
1		358314		2	CYLINDER, Hydraulic, Main Wing, 4" x 12"
2		42430		4	PIN, Mounting, 1" x 2-3/8"
3		42484		16	PIN, Roll, 1/4" x 2-1/4"
4		88196		8	WASHER, Flat 1"
5		334059		4	PIN, Mounting, 1" x 6.38"
6		358313		2	CYLINDER, Hydraulic, Inner Wing, 3-3/4" x 12"

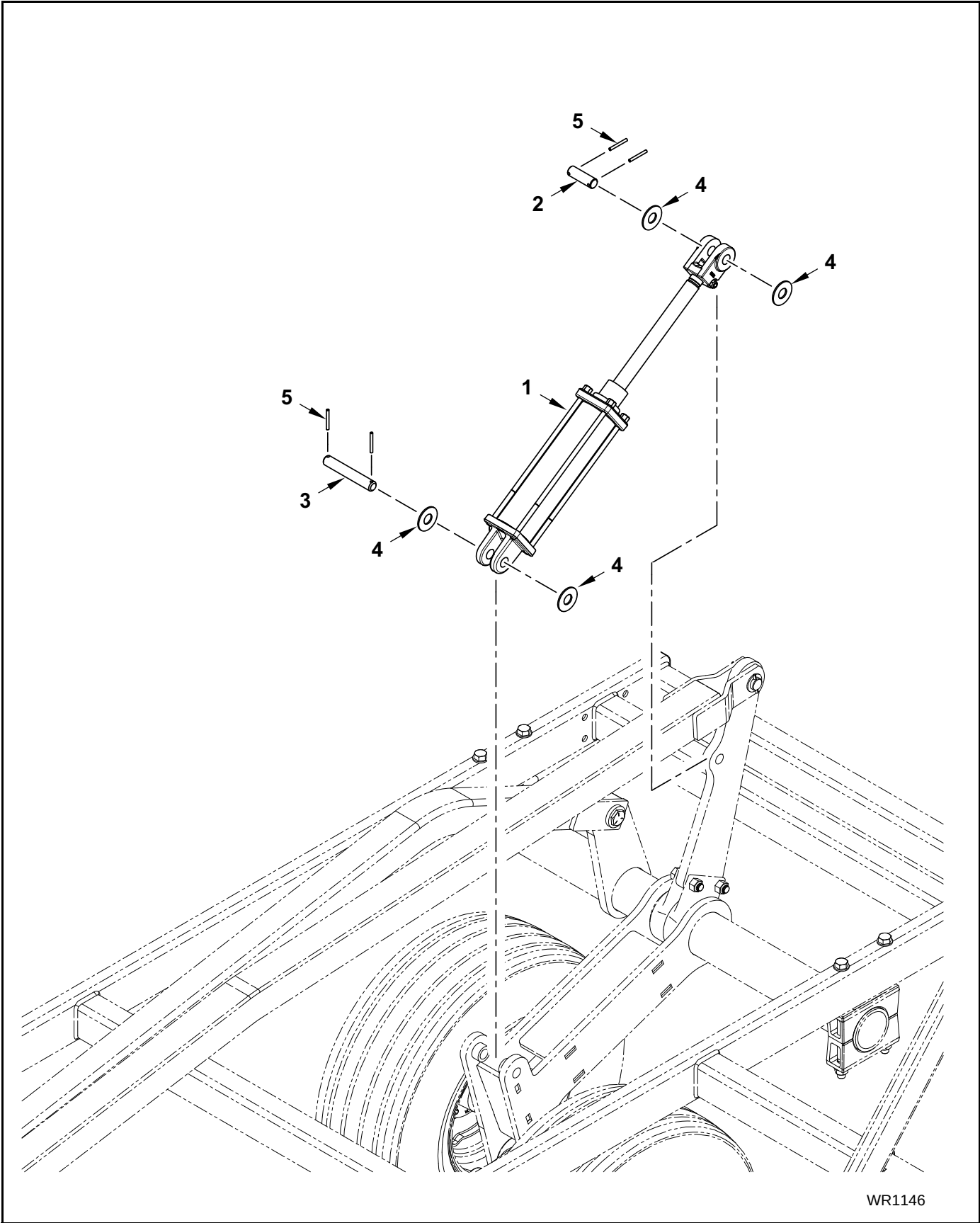
Depth Cylinder Mounting - Outer Wing 6', 3-Section



Depth Cylinder Mounting, Outer Wing 6', 3-Section

Ref.	FN	Part Number	Series	Qty.	Description
1		356864		2	CYLINDER, Hydraulic
2		42430		4	PIN, Mounting, 1" x 3-7/16"
3		88196		8	WASHER, 1"
4		42484		8	PIN, Roll, 1/4" x 2-1/4"

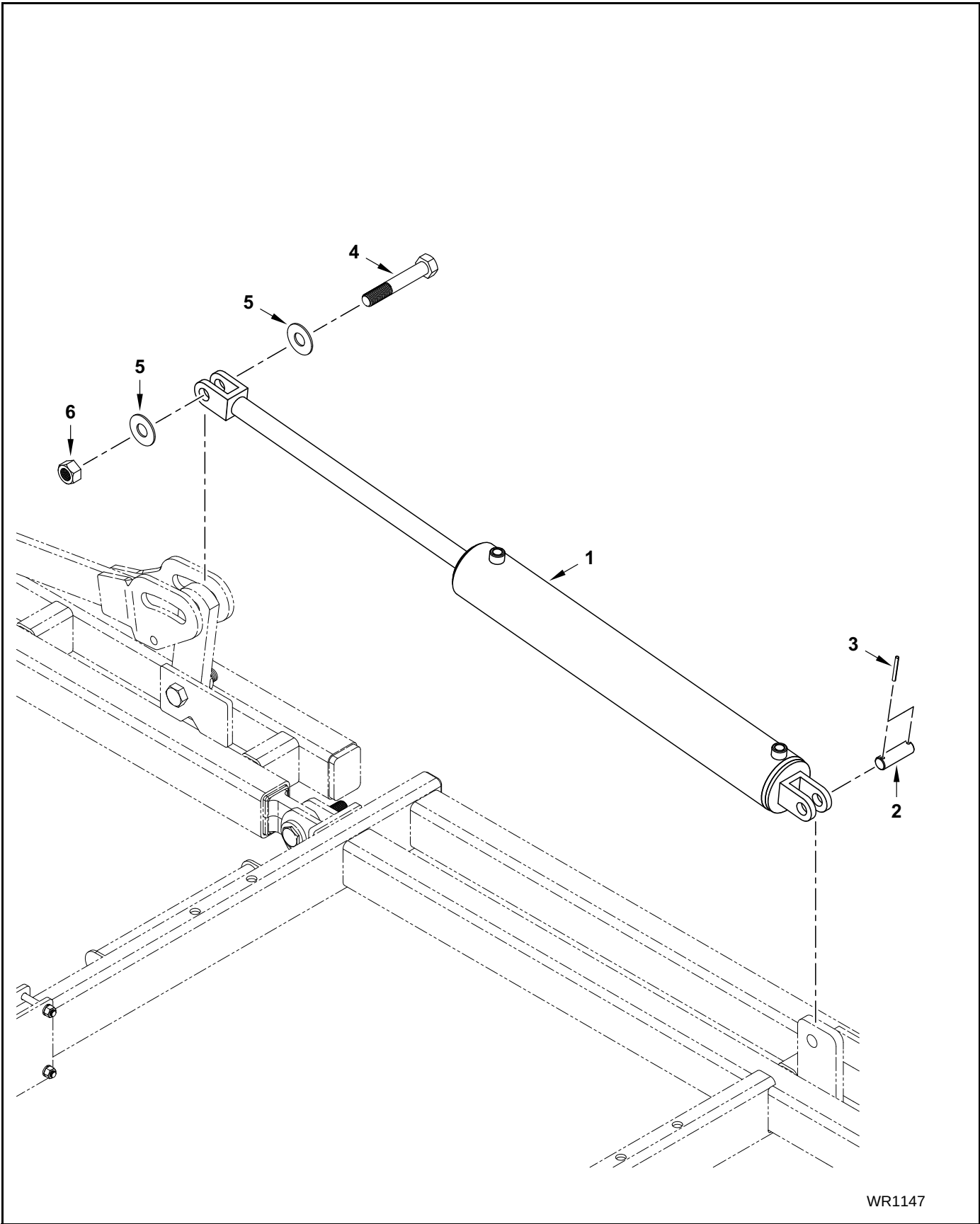
Depth Cylinder Mounting - Outer Wing, 5-Section



Depth Cylinder Mounting, Outer Wing, 5-Section

Ref.	FN	Part Number	Series	Qty.	Description
1		358312		2	CYLINDER, Hydraulic, 3-1/2" x 12"
2		42430		2	PIN, Mounting, 1" x 3-7/16"
3		334059		2	PIN, Mounting, 1" x 7.14"
4		88196		8	WASHER, Flat 1"
5		42484		8	PIN, Roll, 1/4" x 2-1/2"

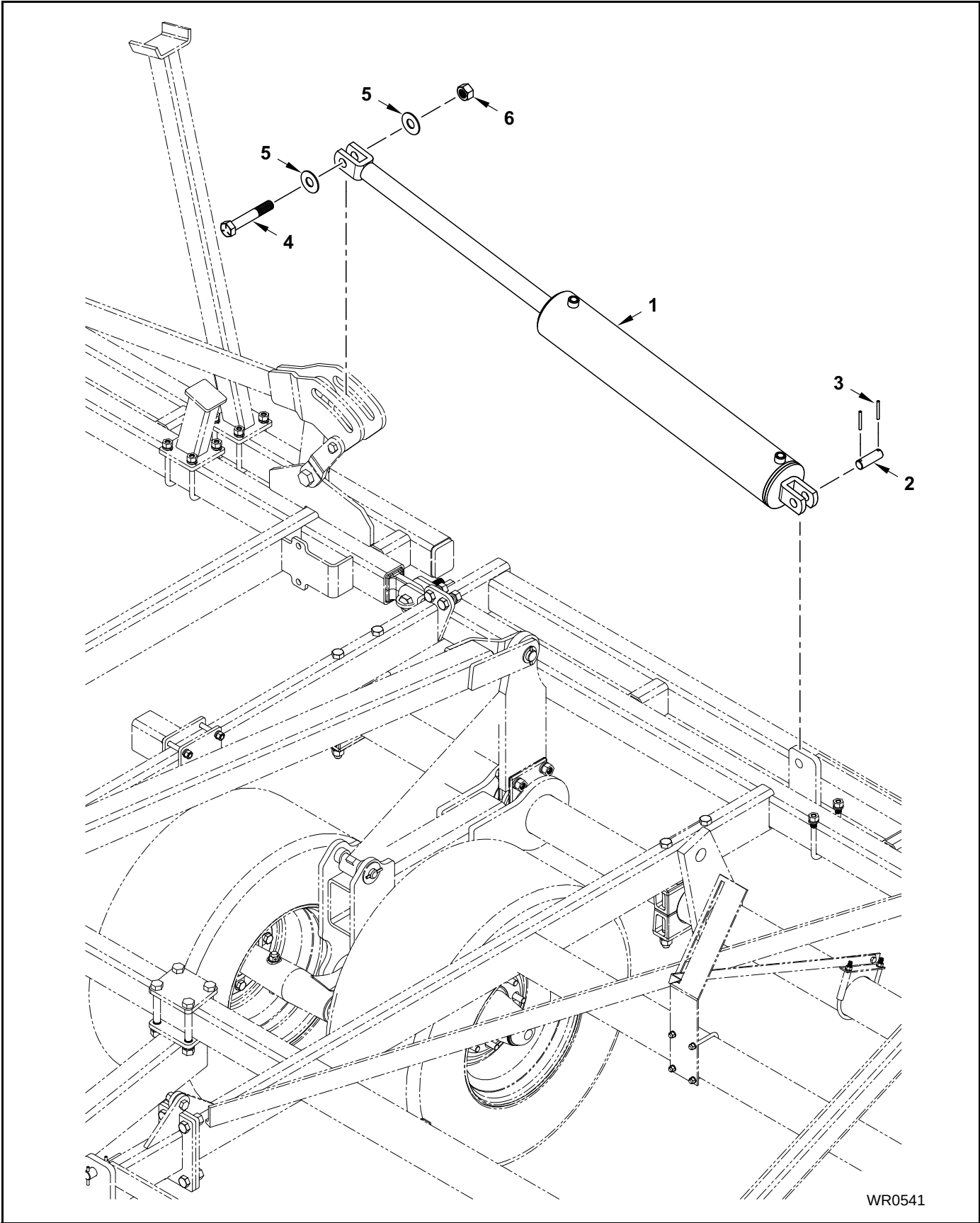
Lift Cylinder Mounting, Main Frame, 3-Section



Lift Cylinder Mounting, Main Frame, 3-Section

Ref.	FN	Part Number	Series	Qty.	Description
1		51229F1		2	CYLINDER, Hydraulic, Lift, 4" x 30"
2		42473		4	PIN, Mounting, 1" x 2-3/8"
3		42484		8	PIN, Roll 1/4" x 2-1/4"
4		88264		4	BOLT, Hex, 1"-8NC x 6", Gr. 5
5		88196		8	WASHER, Flat, 1"
6		89075		4	NUT, Lock, Nylon 1"

Lift Cylinder Mounting, Main Frame, 5-Section

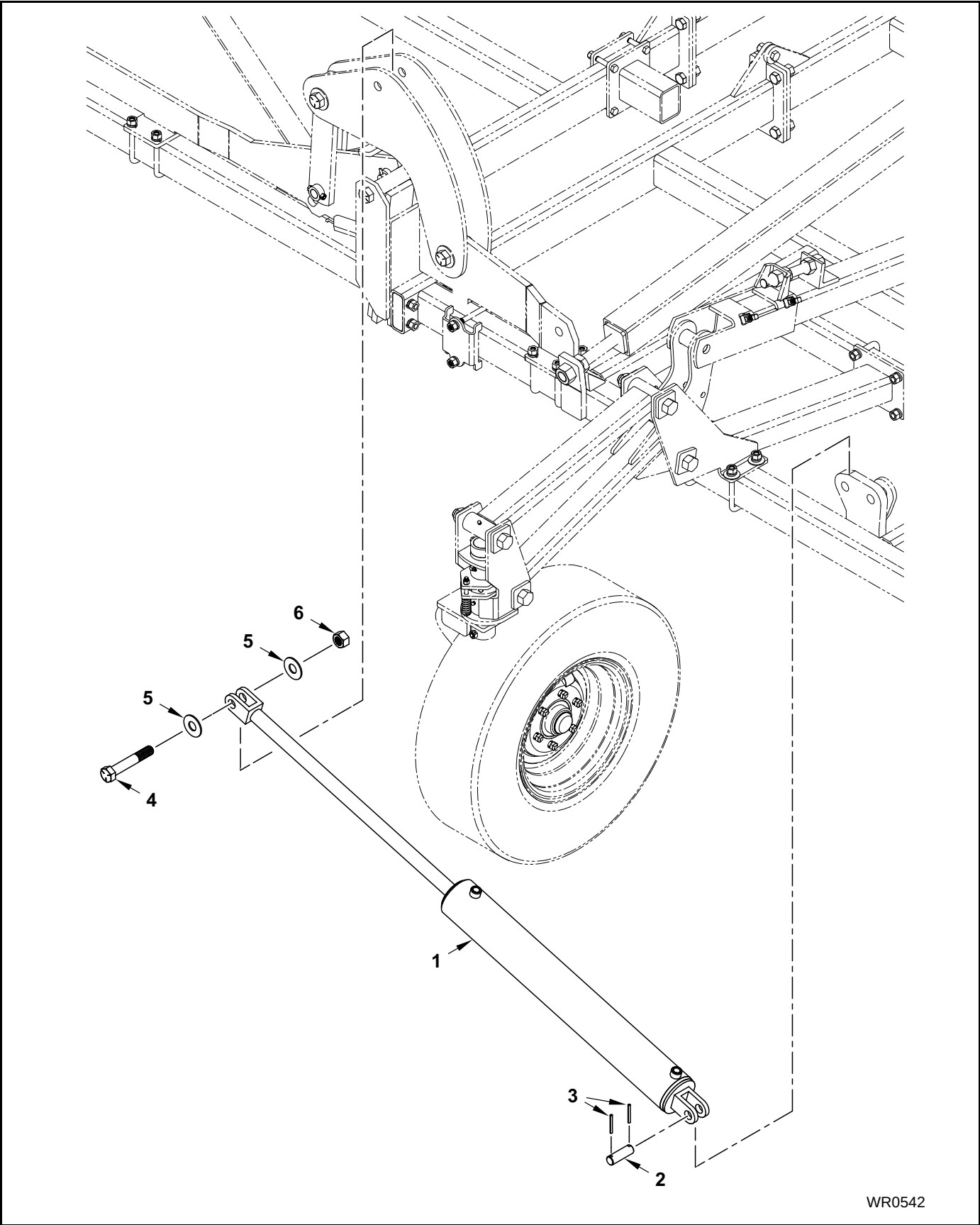


WR0541

Lift Cylinder Mounting, Main Frame, 5-Section

Ref.	FN	Part Number	Series	Qty.	Description
1		20966F		4	CYLINDER, Hydraulic, 5" x 30"
2		42473		4	PIN, Mounting, 1" x 2-3/8"
3		42484		8	PIN, Roll 1/4" x 2-1/4"
4		88264		4	BOLT, Hex, 1"-8NC x 6", Gr. 5
5		88196		8	WASHER, Flat, 1"
6		89075		4	NUT, Lock, Nylon 1"

Lift Cylinder Mounting, Outer Wing, 3 & 5-Section

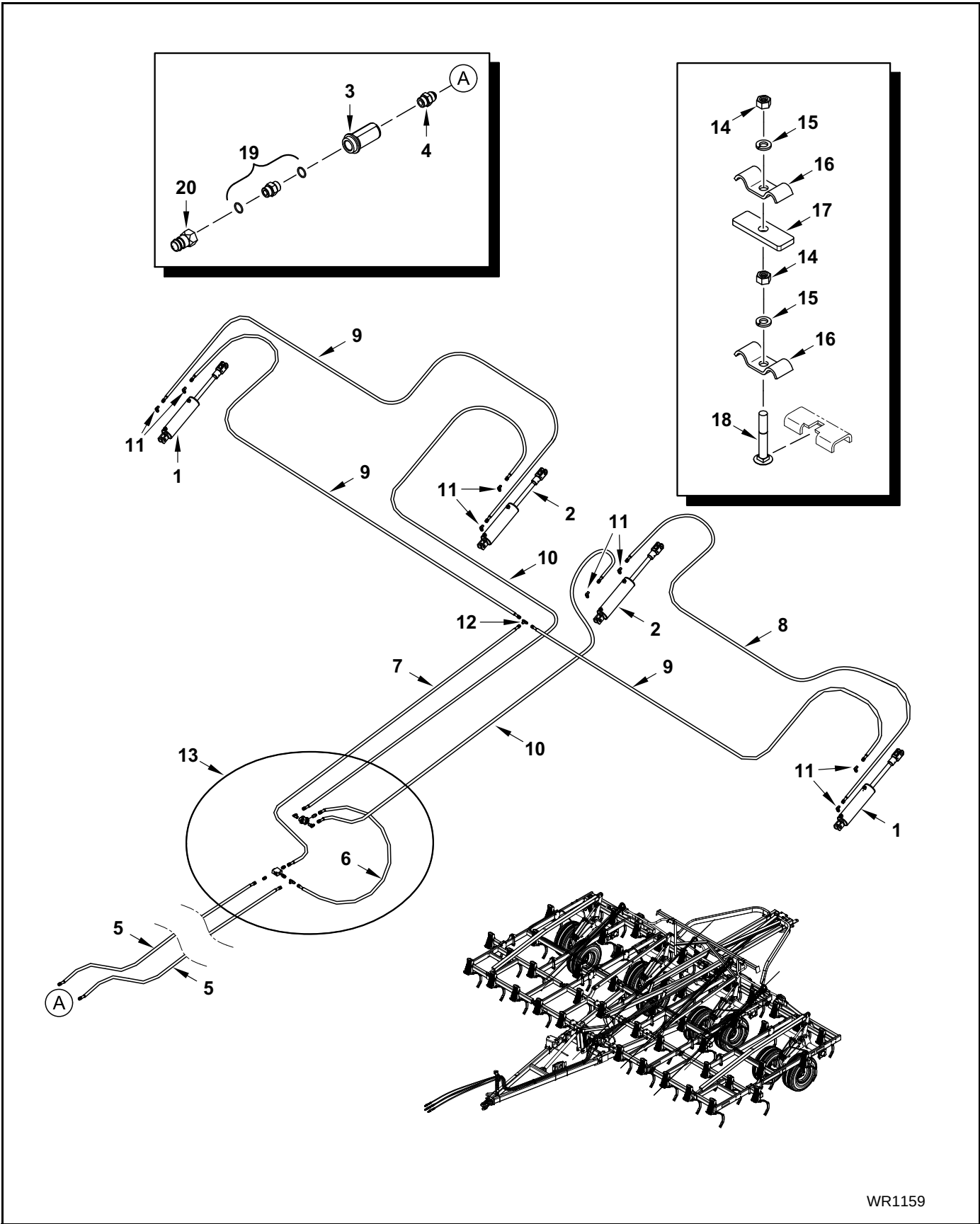


WR0542

Lift Cylinder Mounting, Outer Wing, 3 & 5-Section

Ref.	FN	Part Number	Series	Qty.	Description
1		51229F1		4	CYLINDER, Hydraulic, 4" x 30"
2		42473		4	PIN, Mounting, 1" x 2-3/8"
3		42484		8	PIN, Roll 1/4" x 2-1/4"
4		88264		4	BOLT, Hex, 1"-8NC x 6", Gr. 5
5		88196		8	WASHER, 1"
6		89075		4	NUT, Hex 1"

Depth Control Circuitry, 3-Section 11'



WR1159

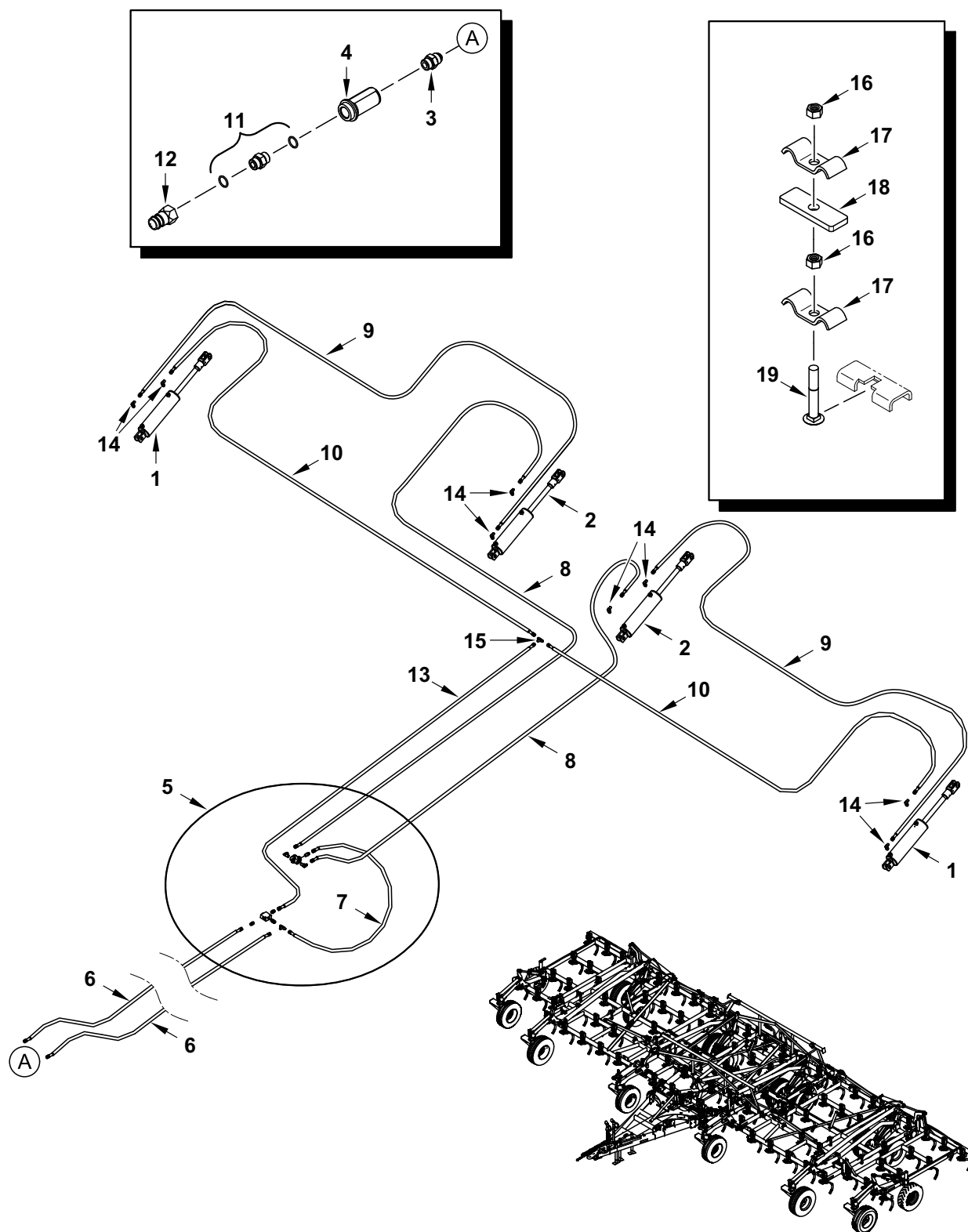
Depth Control Circuitry, 3-Section 11'

Ref.	FN	Part Number	Series	Qty.	Description
1		358313		2	CYLINDER, Depth Control, Wing Frame Inner, 4" x 10.8"
2		358314		2	CYLINDER, Depth Control, Main Frame, 4" x 12.56"
3		334204		2	GRIP
4		24024		2	ADAPTER, 8M ORB - 8MJ
5		234940		2	HOSE, 3KPSI, 1/2" x 216" 8 FJX - 8 FJX
6		242448		1	HOSE, 3KPSI, 1/2" x 30" 8 FJX - 8 FJX
7		233250		1	HOSE, 1/2" x 80"
8		247432		2	HOSE, 3KPSI, 3/8" x 400" FF
9	1	240605		2	HOSE, 3KPSI, 3/8" x 216" FF
	2	247431		2	HOSE, 3KPSI, 3/8" x 232" FF
10		247431		1	HOSE, 3KPSI, 3/8" x 232" FF
11		25580		8	ELBOW, 90°, 8M ORB - 8MJ
12		13238		1	TEE, 8MJ - 8MJ - 8MJ
13		REF		1	VALVE, Single Point, See page 3-44
14		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
15		88362		UAR	WASHER, Lock, 3/8"
16		13215		UAR	CLAMP, Tube
17		15543		UAR	PLATE, Mounting
18		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack
19		334210		2	ADAPTER, 8M ORB x 8M ORB
20		A36290		2	COUPLER, Quick Connect, 8 ORB

1 - Used on 25' models.

2 - Used on 30' models.

Depth Control Circuitry, 3-Section 37'- 50'



WR1160

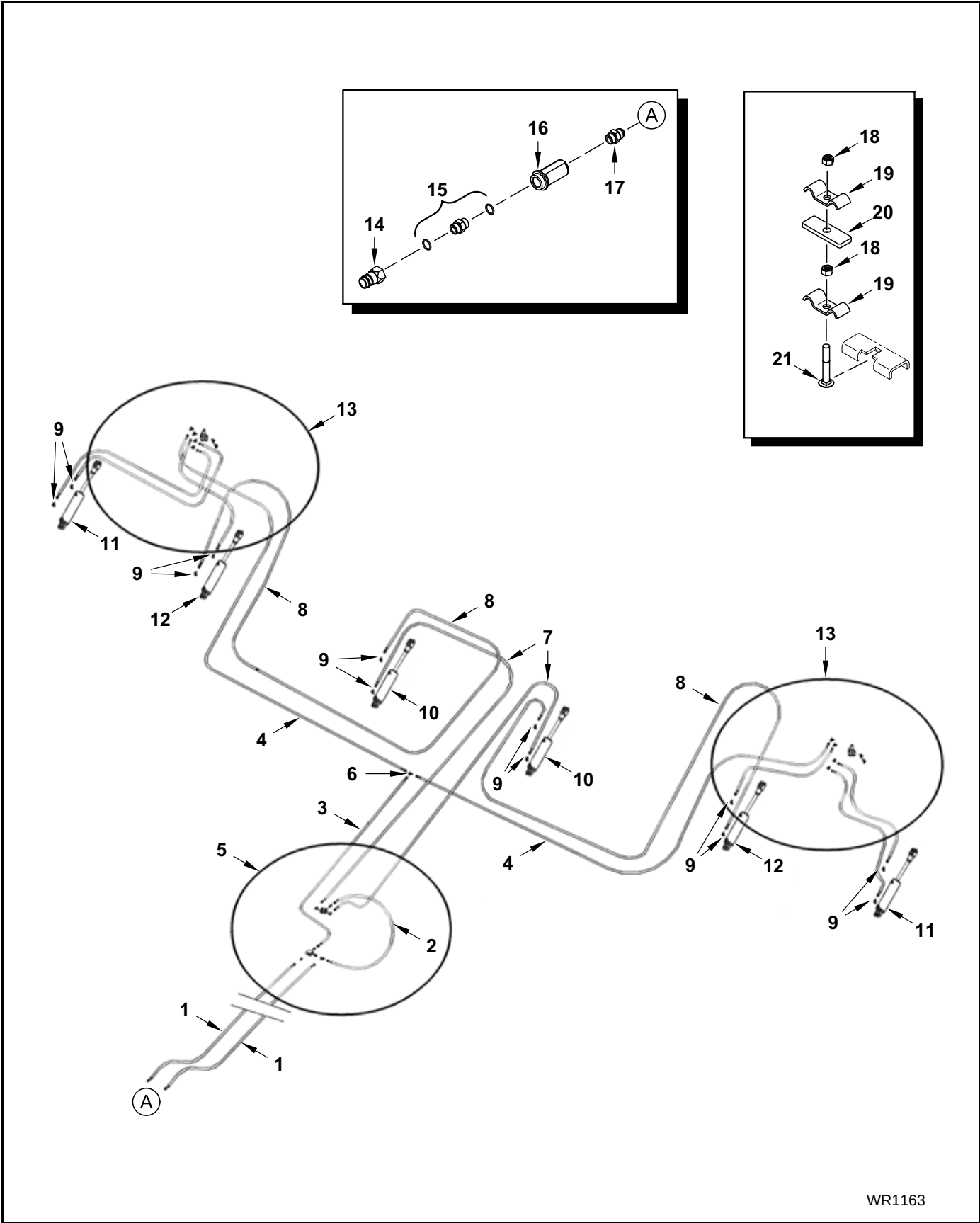
Depth Control Circuitry, 3-Section 37'- 50'

Ref.	FN	Part Number	Series	Qty.	Description
1		358313		2	CYLINDER, Depth Control, Wing Frame Outer, 3-3/4" x 12"
2		358314		2	CYLINDER, Depth Control, Main Frame, 4" x 12"
3		24024		2	ADAPTER, 8M ORB - 8MJ
4		334204		2	GRIP, Gold
5		REF		1	VALVE, Single Point, See page 3-44
6		234940		2	HOSE, 3KPSI, 1/2" x 216" 8 FJX - 8 FJX
7		242448		1	HOSE, 3KPSI, 1/2" x 30" 8 FJX - 8 FJX
8		247428		2	HOSE, 3KPSI, 3/8" x 56" 8 FJX - 8 FJX
9	1,2	237913		2	HOSE, 3KPSI, 3/8" x 460" 8 FJX - 8 FJX
	1	247427		2	HOSE, 3KPSI, 3/8" x 440" 8 FJX - 8 FJX
10	2	247459		2	HOSE, 3KPSI, 3/8" x 252" 8 FJX - 8 FJX
	1	233688		2	HOSE, 3KPSI, 3/8" x 264" 8 FJX - 8 FJX
11		334210		2	ADAPTER, 8M ORB x 8M ORB
12		A36290		2	COUPLER, Quick Connect, 8 ORB
13		233250		1	HOSE, 3KPSI, 1/2" x 80" 8 FJX - 8 FJX
14		25580		8	ELBOW, 90°, 8M ORB - 8MJ
15		13238		1	TEE, 8MJ - 8MJ - 8MJ
16		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
17		13215		UAR	CLAMP, Tube
18		15543		UAR	PLATE, Mounting
19		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

1 - Used on 32' models.

2 - Used on 37' models.

Depth Control Circuitry, 5-Section 46'- 50'



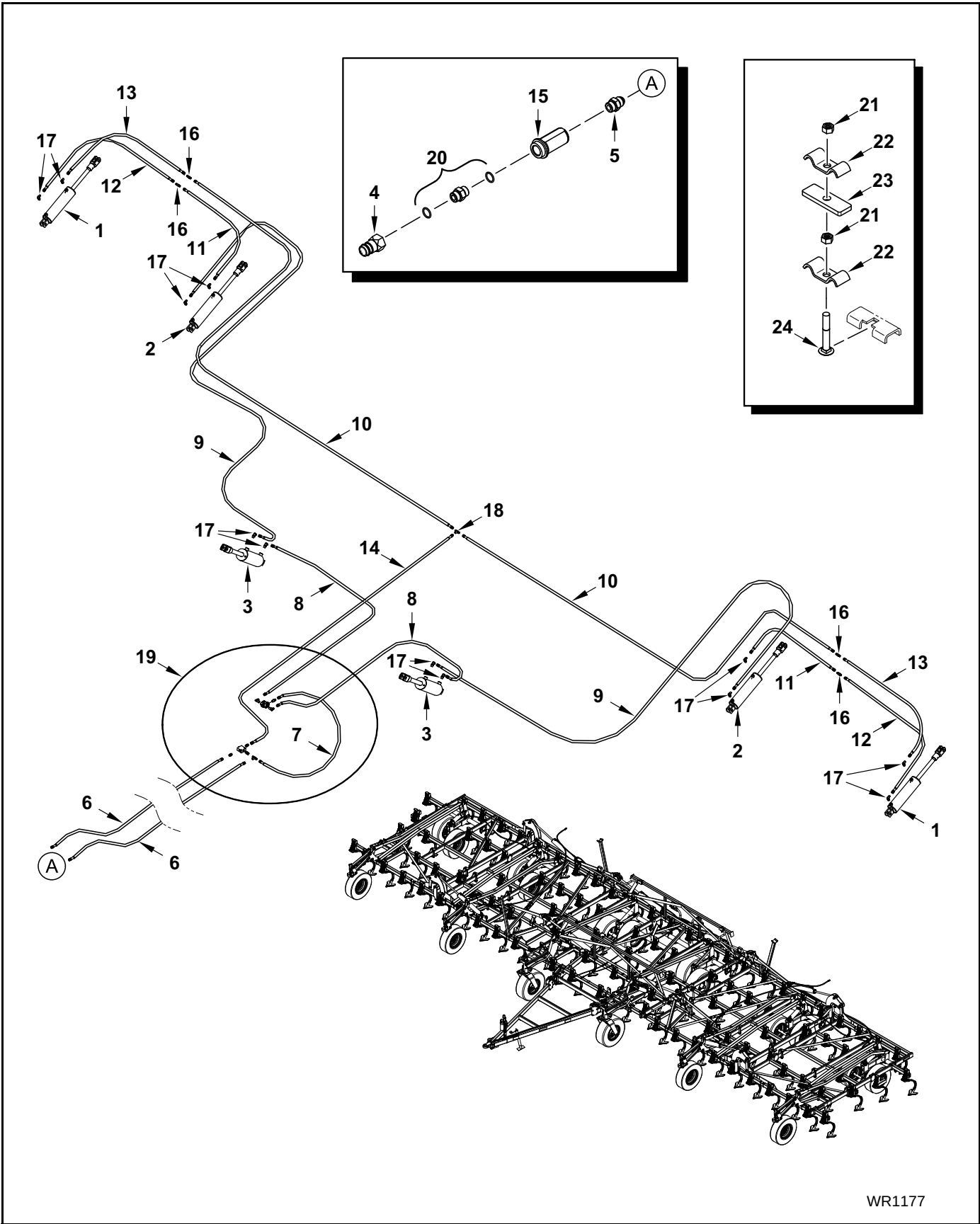
Depth Control Circuitry, 5-Section 46'- 50'

Ref.	FN	Part Number	Series	Qty.	Description
1	1	241494		2	HOSE, 1/2" x 276"
	2	234940		2	HOSE, 1/2" x 216"
2		242448		1	HOSE, 1/2" x 30"
3		233250		1	HOSE, 1/2" x 80"
4	1	233688		2	HOSE, 3/8" x 252"
	2	247459		2	HOSE, 3/8" x 284"
5		REF		1	VALVE, Single Point, See page 3-44
6		13238		1	TEE, 8MJ - 8MJ - 8MJ
7		247428		2	HOSE, 3/8" x 264"
8	1	247427		2	HOSE, 3/8" x 440"
	2	237918		2	HOSE, 3/8" x 460"
9		25580		12	ELBOW, 90°, 8M ORB x 8MJ
10		67683F1		2	CYLINDER, 4" x 12-1/2"
11		220761F1		2	CYLINDER, 4" x 9.3"
12		67688F1		2	CYLINDER, 4" x 10.8"
13		REF		1	VALVE, Selector, See page 3-26
14		A362902		2	COUPLER, Quick Connect 8M ORB
15		334210		2	ADAPTER, Quick Coupler, 8M ORB x 8M ORB
16		334204		2	GRIP, Gold, -8F ORB
17		24024		2	ADAPTER, 8M ORB - 8MJ
18		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
19		13215		UAR	CLAMP, Tube
20		15543		UAR	PLATE, Mounting
21		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

1 - Used on 46' models.

2 - Used on 50' models.

Depth Control Circuitry, 5-Section 55'- 60'

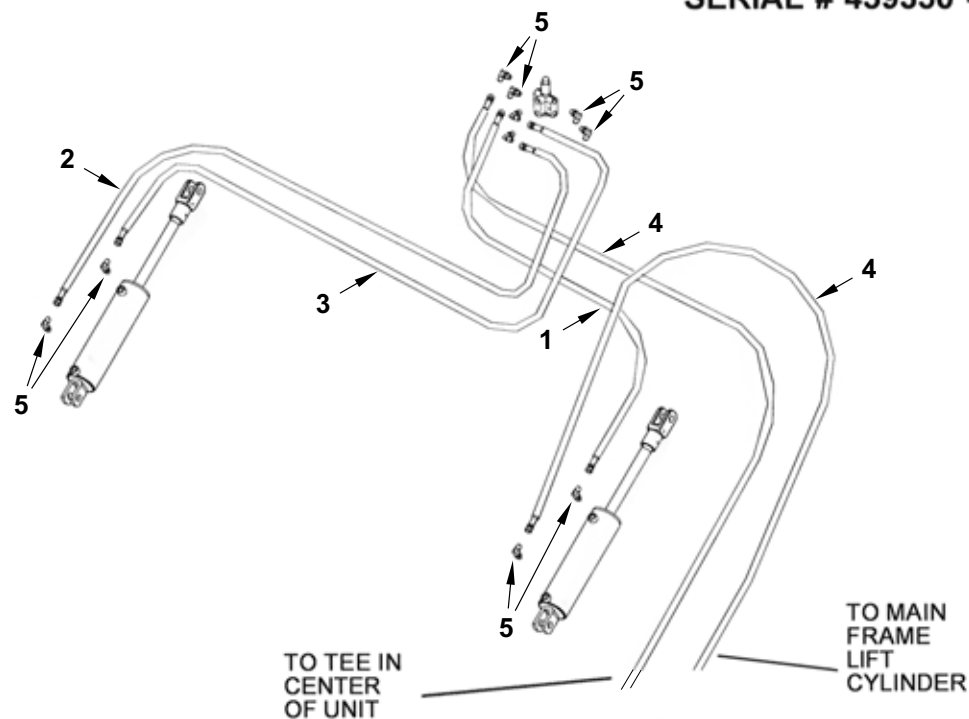


WR1177

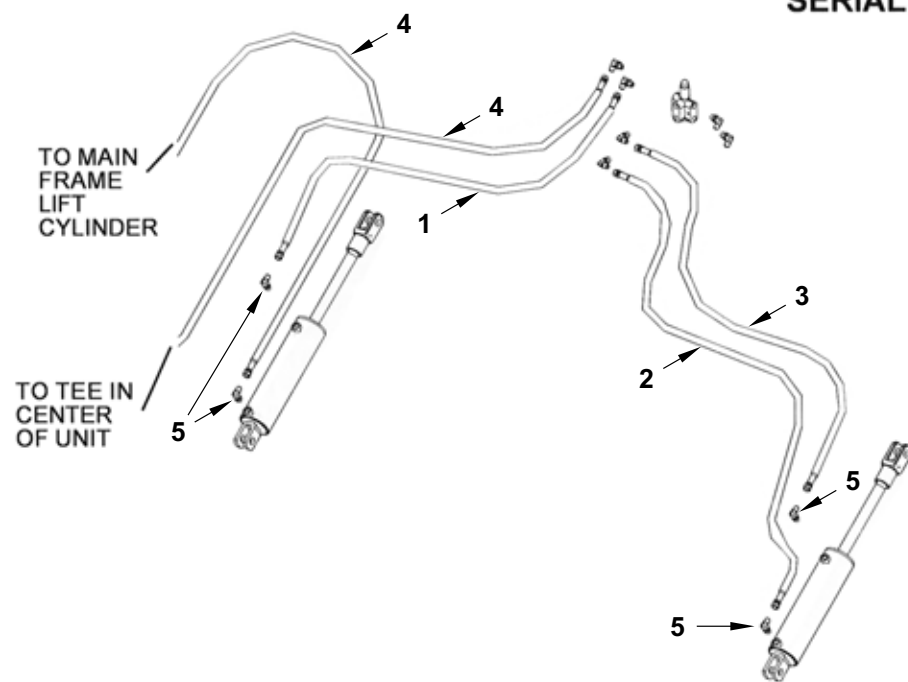
Depth Control Circuitry, 5-Section 55'- 60'

Ref.	FN	Part Number	Series	Qty.	Description
1		358312		2	CYLINDER, Depth Control, Wing Frame Outer, 3-1/2" x 12"
2		358313		2	CYLINDER, Depth Control, Wing Frame Inner, 3-3/4" x 12"
3		358314		2	CYLINDER, Depth Control, Main Frame, 4" x 12"
4		A362902		2	COUPLER, Quick Connect 8M ORB
5		24024		2	ADAPTER, 8M ORB - 8MJ
6		234940		2	HOSE, 3KPSI, 1/2" x 216" 8 FJX - 8 FJX
7		242448		1	HOSE, 3KPSI, 1/2" x 30" 8 FJX - 8 FJX
8		247428		2	HOSE, 3KPSI, 3/8" x 64" 8 FJX - 8 FJX
9		237913		2	HOSE, 3KPSI, 3/8" x 460" 8 FJX - 8 FJX
10		247459		2	HOSE, 3KPSI, 3/8" x 284" 8 FJX - 8 FJX
11		56539		2	HOSE, 3KPSI, 3/8" x 50" 8 FJX - 8 FJX
12		13483		2	HOSE, 3KPSI, 3/8" x 120" 8 FJX - 8 FJX
13		67634		2	HOSE, 3KPSI, 3/8" x 132" 8 FJX - 8 FJX
14		233250		1	HOSE, 3KPSI, 1/2" x 80" 8 FJX - 8 FJX
15		334204		2	GRIP, Gold, -8F ORB
16		13239		4	ADAPTER, 8MJ - 8MJ
17		25580		12	ELBOW, 90°, 8M ORB - 8MJ
18		13238		1	TEE, 8MJ - 8MJ - 8MJ
19		REF		1	VALVE, Single Point, See page 3-44
20		334210		2	ADAPTER, Quick Coupler, 8M ORB x 8M ORB
21		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
22		13215		UAR	CLAMP, Tube
23		15543		UAR	PLATE, Mounting
24		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

RIGHT OUTER WING MAIN LIFT
SERIAL # 459350 - UP



LEFT OUTER WING MAIN LIFT
SERIAL # 459350 - UP

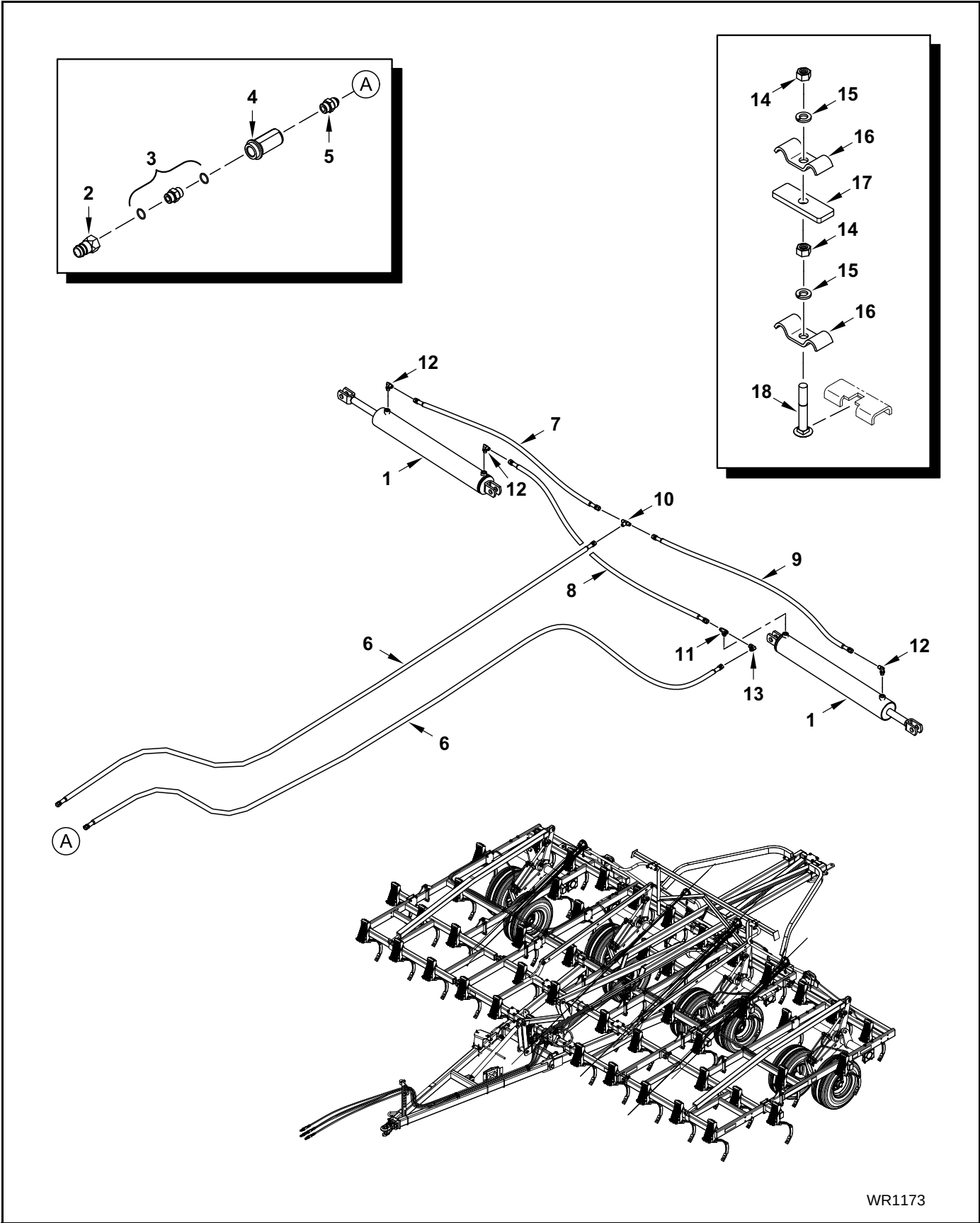


WR1164

Selector Valve Circuitry, Outer Wing

Ref.	FN	Part Number	Series	Qty.	Description
1		56539		1	HOSE, 3/8" x 50"
2		235388		1	HOSE, 3/8" x 102"
3		565403		1	HOSE, 3/8" x 89"
4		233688		2	HOSE, 3/8" x 252"
5		25580		10	ELBOW, 90°, 8M ORB x 8MJ
6		247257		1	VALVE, Selector

Wing Lift Circuitry, 3-Section 11' (25' Model)

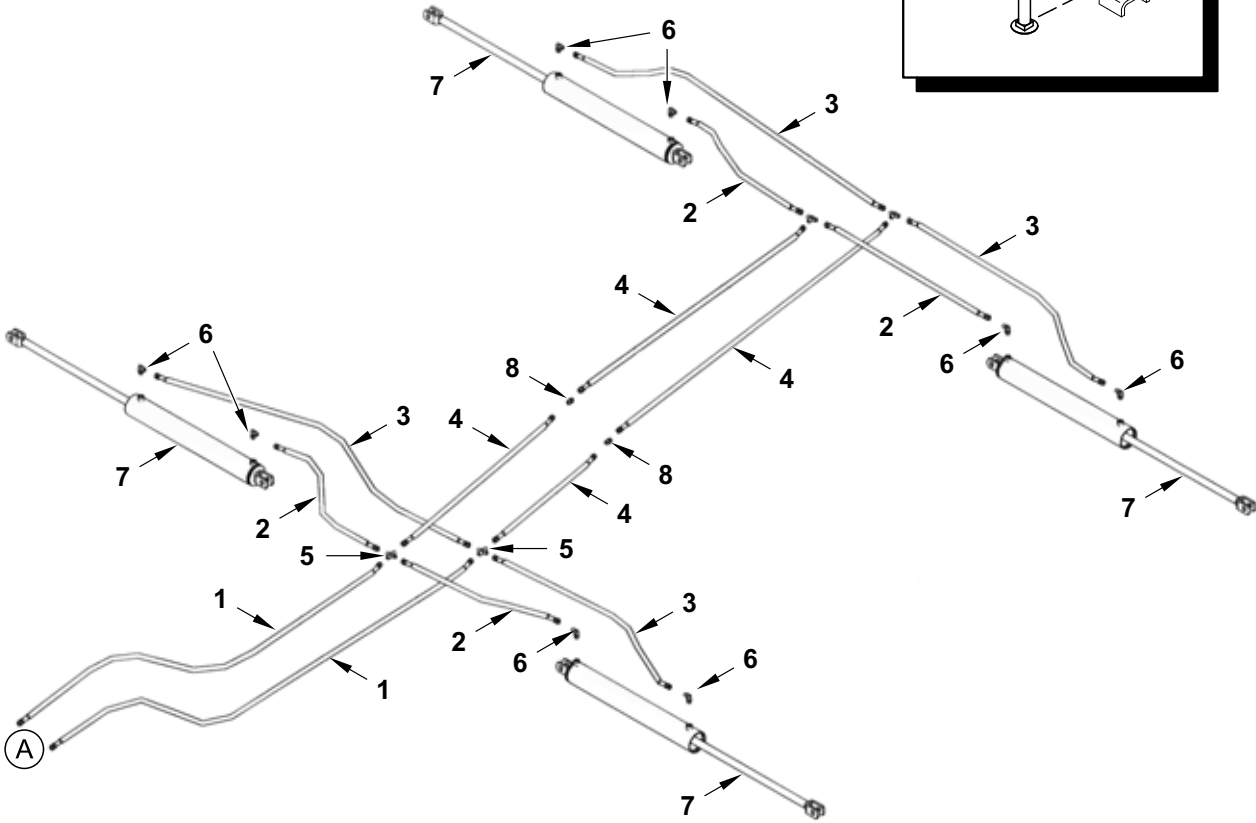
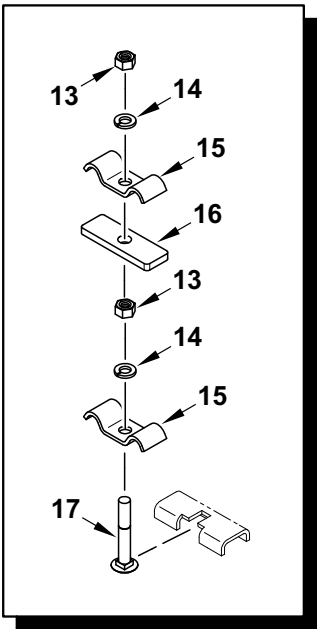
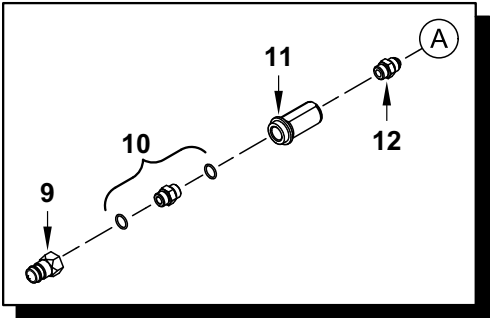


WR1173

Wing Lift Circuitry, 3-Section 11' (25' Model)

Ref.	FN	Part Number	Series	Qty.	Description
1		51229F1		2	CYLINDER, Lift, Outer, 4" x 30"
2		A36290		2	COUPLER, Quick Connector, Male
3		334210		2	ADAPTER, 8M ORB - 8MJ
4		334205		2	ADAPTER, Quick Connector
5		24024		2	FITTING, Adapter
6		240609		2	HOSE
7		13268		1	HOSE
8		15515		1	HOSE
9		14644		1	HOSE, 3KPSI, 3/8" x 36", 8FJK - 8FJX
10		13238		6	TEE, 8MJ x 8MJ x 8MJ
11		56534		1	TEE
12		25580		3	ELBOW, 90°
13		25591		1	ELBOW, 90°
14		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
15		88362		UAR	WASHER, Lock, 3/8"
16		13215		UAR	CLAMP, Tube
17		15543		UAR	PLATE, Mounting
18		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

Wing Lift Circuitry, 3-Section 11' (30' Model)

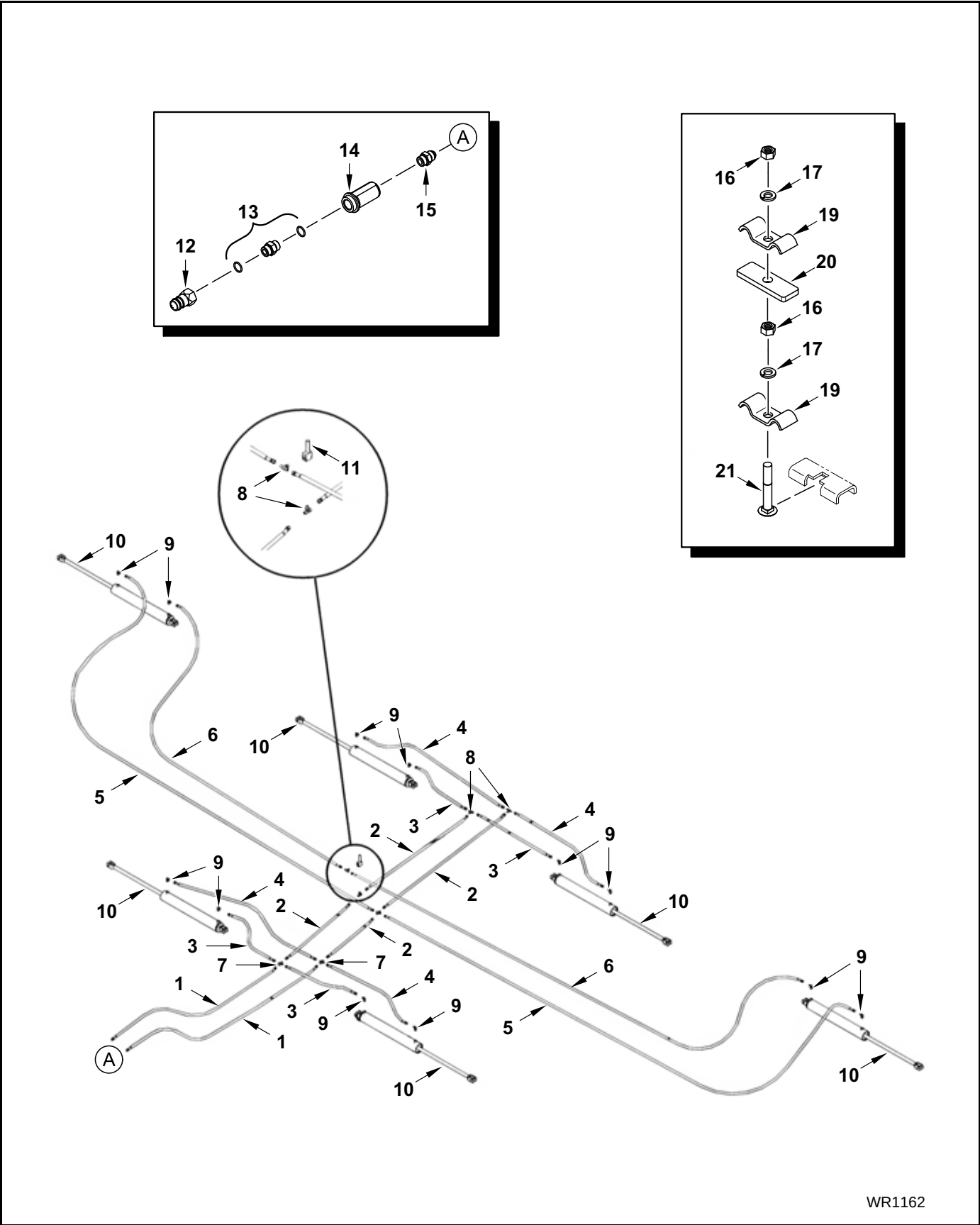


WR1161

Wing Lift Circuitry, 3-Section 11' (30' Model)

Ref.	FN	Part Number	Series	Qty.	Description
1		208562		2	HOSE, 1/2" x 240"
2		13423		4	HOSE, 3/8" x 24"
3		13265		4	HOSE, 3/8" x 56"
4		25602		4	HOSE, 3/8" x 65"
5		15910		2	FITTING, Cross, 8MJ
6		25580		8	ELBOW, 90°, 8M ORB x 8MJ
7		51229F		4	CYLINDER, Lift
8		334210		2	FITTING, Union, 8M ORB x 8M ORB
9		A362902		2	COUPLER, Quick Connect, 8M ORB
10		334210		2	ADAPTER, Quick Coupler, 8M ORB x 8M ORB
11		334204		2	GRIP, Gold, -8F ORB
12		24024		2	ADAPTER, 8M ORB x 8MJ
13		88103		UAR	NUT, Hex, 3/8" x -16NC, Gr. 5
14		88362		UAR	WASHER, Lock, 3/8"
15		13215		UAR	CLAMP, Tube
16		15543		UAR	PLATE, Mounting
17		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr. 5 Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5 Double Stack
		89475		UAR	BOLT, Carriage, 3/8" -16NC x 3-1/2", Gr. 5 Triple Stack

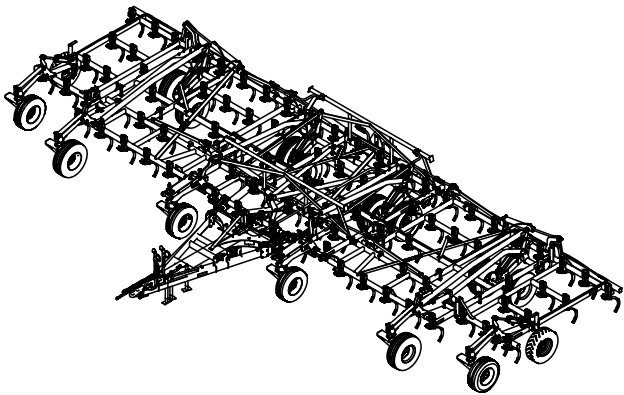
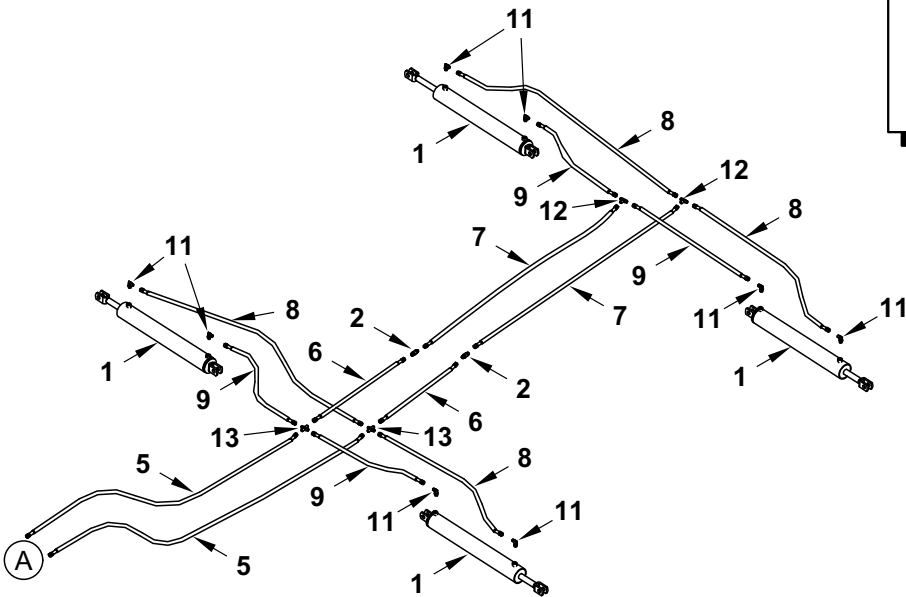
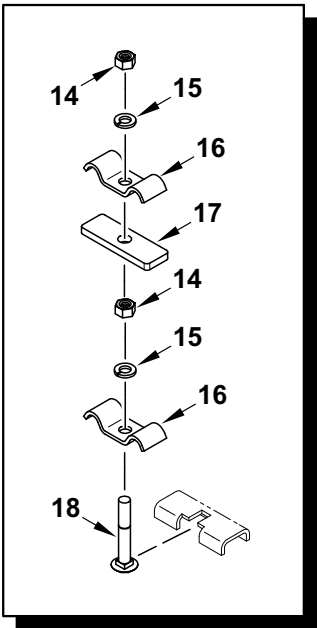
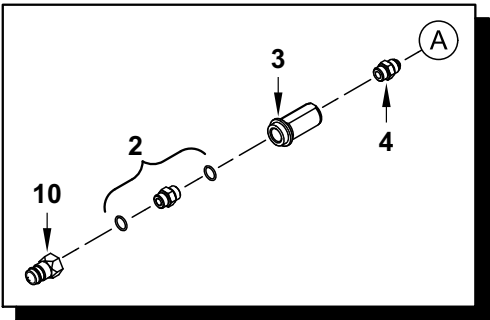
Wing Lift Circuitry, 3-Section 11' (30' Model with Outer Wings)



Wing Lift Circuitry, 3-Section 11' (30' Model with Outer Wings)

Ref.	FN	Part Number	Series	Qty.	Description
1		208562		2	HOSE, 1/2" x 240"
2		25602		4	HOSE, 3/8" x 65"
3		13423		4	HOSE, 3/8" x 24"
4		13265		4	HOSE, 3/8" x 56"
5		247431		2	HOSE, 3/8" x 232"
6		240605		2	HOSE, 3/8" x 216"
7		15910		3	FITTING, Cross, 8MJ
8		56534		3	TEE, 8MJ x 8MJ x 8MJ
9		25580		12	ELBOW, 90°, 8M ORB x 8MJ
10		51229F		6	CYLINDER, Lift, 4" x 30"
11		65870		1	VALVE, Sequence
12		A362902		2	COUPLER, Quick Connect, 8M ORB
13		334210		2	ADAPTER, Quick Coupler, 8M ORB x 8M ORB
14		334204		2	GRIP, Gold, -8F ORB
15		24024		2	ADAPTER, 8M ORB x 8MJ
16		88103		UAR	NUT, Hex, 3/8" x -16NC, Gr. 5
17		88362		UAR	WASHER, Lock, 3/8"
18		13215		UAR	CLAMP, Tube
19		15543		UAR	PLATE, Mounting
20		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr. 5 Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5 Double Stack
		89475		UAR	BOLT, Carriage, 3/8" -16NC x 3-1/2", Gr. 5 Triple Stack

Wing Lift Circuitry, 3-Section 37'- 50'

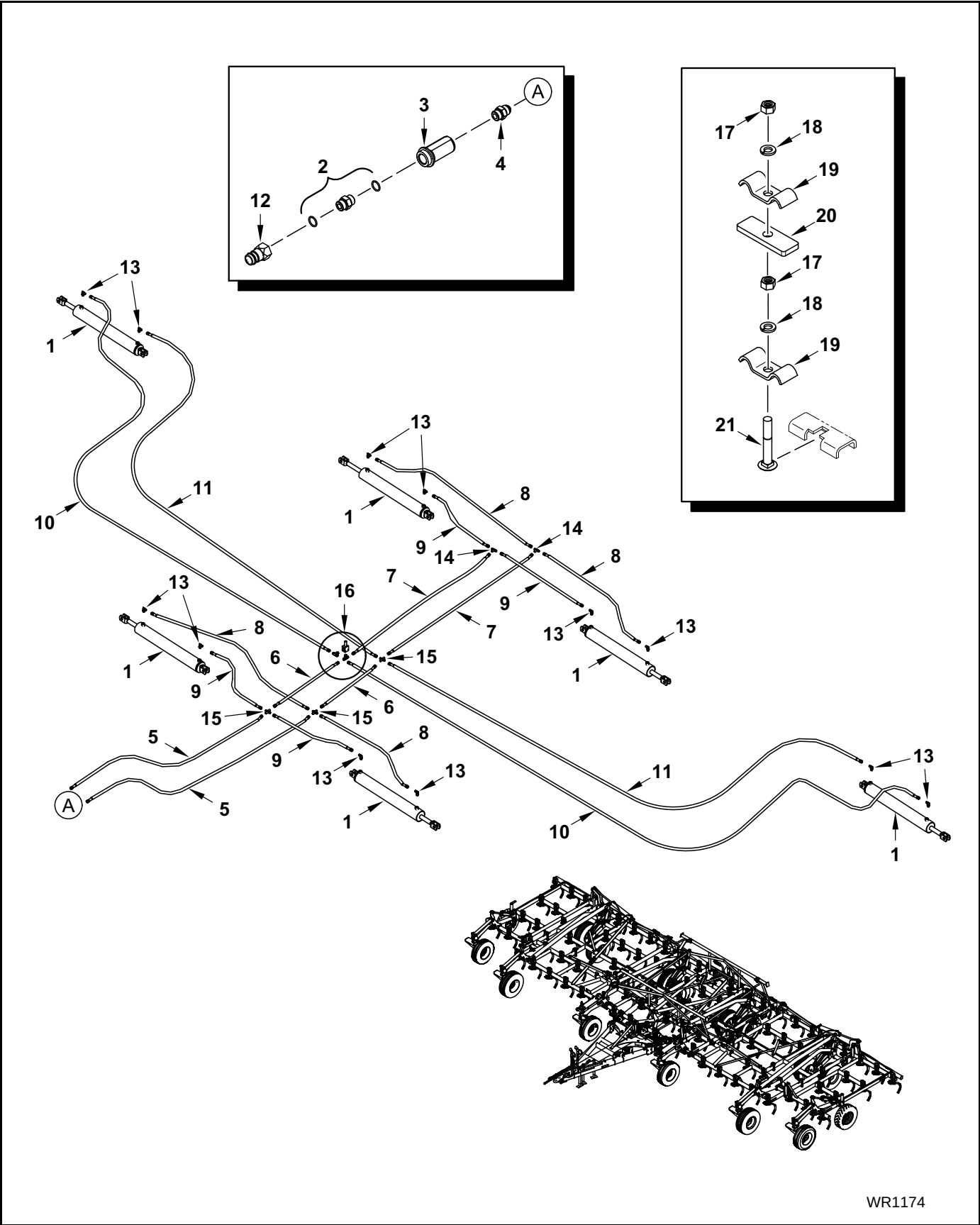


WR1158

Wing Lift Circuitry, 3-Section 37'- 50'

Ref.	FN	Part Number	Series	Qty.	Description
1		51229F1		4	CYLINDER, Lift, Outer, 4" x 30"
2		334210		2	ADAPTER, 8M ORD x 8M ORB
3		334205		2	GRIP, Blue
4		24024		1	ADAPTER, 8M ORB - 8MJ
5		241494		2	HOSE, 3KPSI, 1/2" x 276" 8FJX - 8FJX
6		242448		2	HOSE, 3KPSI, 1/2" x 30" 8 FJX - 8 FJX
7		25602		2	HOSE, 3KPSI, 3/8" x 65" 8 FJX - 8 FJX
8		67636		4	HOSE, 3KPSI, 3/8" x 72" 8 FJX - 8 FJX
9		14644		4	HOSE, 3KPSI, 3/8" x 36" 8 FJX - 8 FJX
10		A36290		2	COUPLER, Quick
11		25580		8	ELBOW, 90°, 8M ORB - 8 MJ
12		13238		2	TEE, 8MJ x 8MJ x 8MJ
13		15910		4	FITTING, Cross, 8MJ
14		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
15		88362		UAR	WASHER, Lock, 3/8"
16		13215		UAR	CLAMP, Tube
17		15543		UAR	PLATE, Mounting
18		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

Wing Lift Circuitry, 3-Section 37'- 50' (with Outer Wings)



WR1174

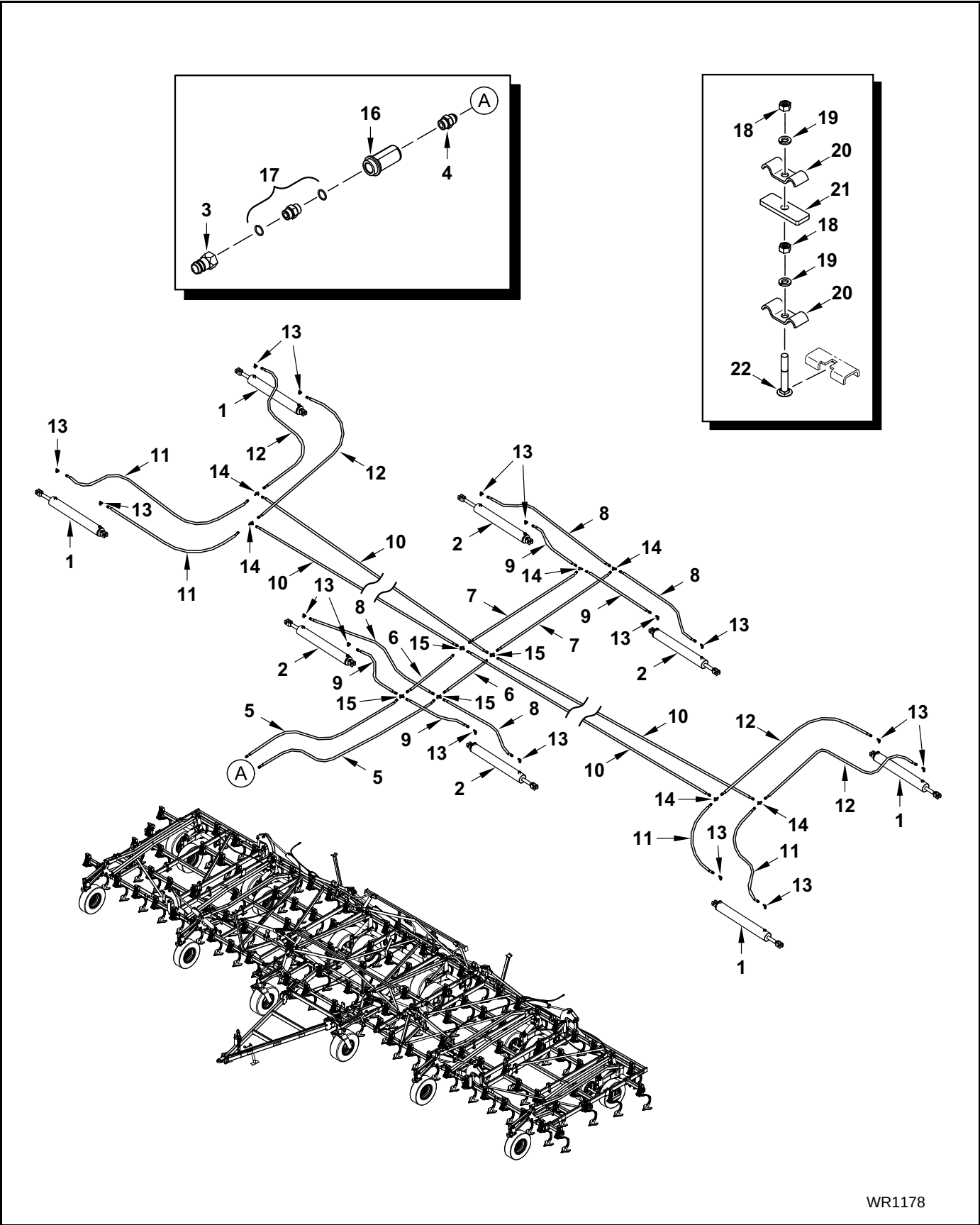
Wing Lift Circuitry, 3-Section 37'- 50' (with Outer Wings)

Ref.	FN	Part Number	Series	Qty.	Description
1		51229F1		6	CYLINDER, Lift, Outer, 4" x 30"
2		334210		2	ADAPTER, 8M ORD x 8M ORB
3		334205		2	GRIP, Blue
4		24024		1	ADAPTER, 8M ORB - 8MJ
5		241494		2	HOSE, 3KPSI, 1/2" x 276" 8FJX - 8FJX
6		242448		2	HOSE, 3KPSI, 1/2" x 30" 8 FJX - 8 FJX
7		25602		2	HOSE, 3KPSI, 3/8" x 65" 8 FJX - 8 FJX
8		67636		4	HOSE, 3KPSI, 3/8" x 72" 8 FJX - 8 FJX
9		14644		4	HOSE, 3KPSI, 3/8" x 36" 8 FJX - 8 FJX
10	1	237155		2	HOSE, 3KPSI, 3/8" x 244" 8 FJX - 8 FJX
	2	67576		4	HOSE, 3KPSI, 3/8" x 180" 8 FJX - 8 FJX
11	1	247431		2	HOSE, 3KPSI, 3/8" x 232" 8 FJX - 8 FJX
	2	247428		2	HOSE, 3KPSI, 3/8" x 78" 8 FJX - 8 FJX
12		A36290		2	COUPLER, Quick
13		25580		12	ELBOW, 90°, 8M ORB - 8 MJ
14		13238		2	TEE, 8MJ x 8MJ x 8MJ
15		15910		4	FITTING, Cross, 8MJ
16		REF		1	VALVE, BOP Outer Wing Fold, See page 9-2
17		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
18		88362		UAR	WASHER, Lock, 3/8"
19		13215		UAR	CLAMP, Tube
20		15543		UAR	PLATE, Mounting
21		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

1 - Used on 32' models.

2 - Used on 37' models.

Wing Lift Circuitry, 5-Section 55'- 60'



WR1178

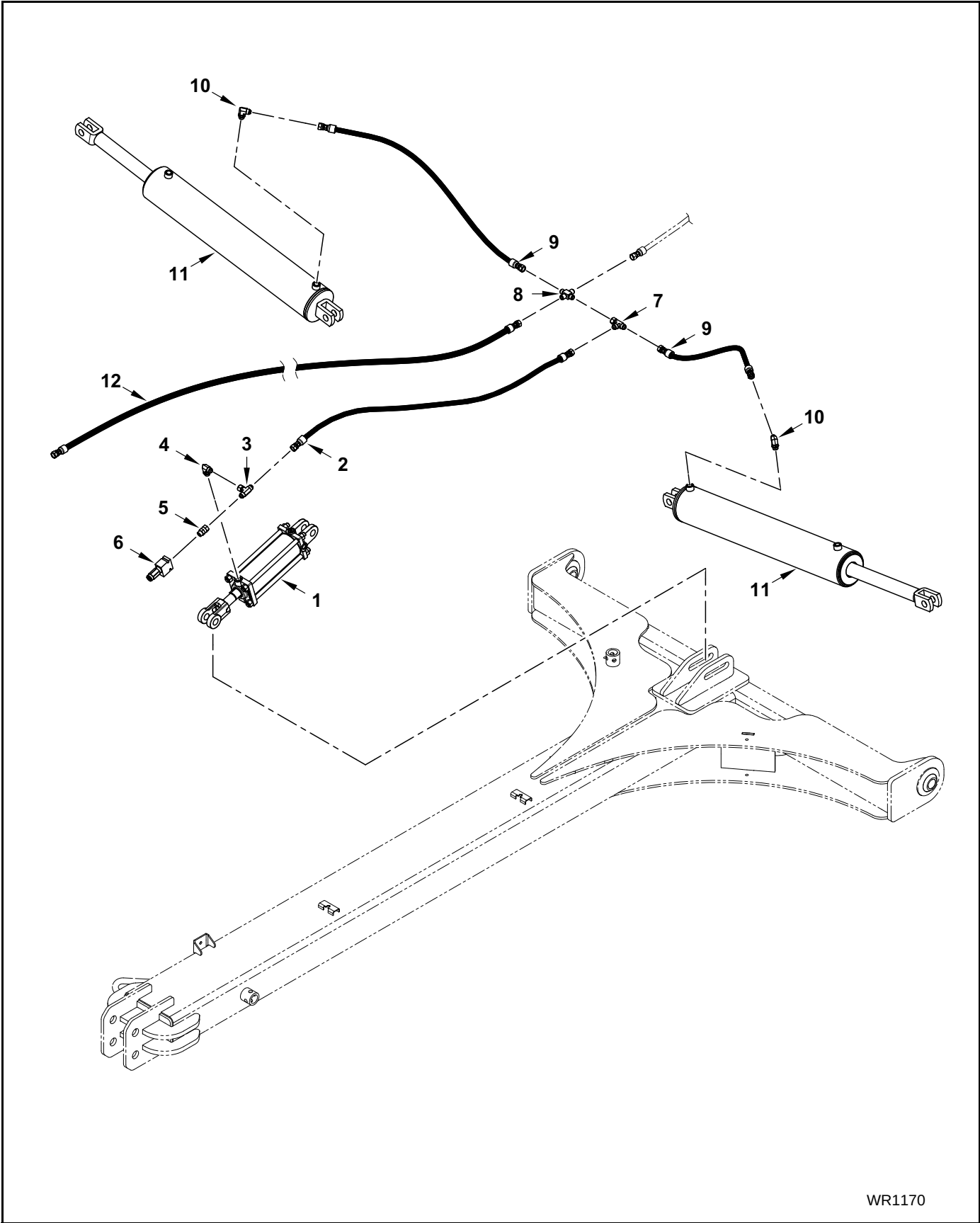
Wing Lift Circuitry, 5-Section 55'- 60'

Ref.	FN	Part Number	Series	Qty.	Description
1		51229F1		4	CYLINDER, Lift, Outer, 4" x 30"
2		20966F		4	CYLINDER, Lift, Inner, 5" x 30"
3		A36290		2	COUPLER, Quick Connector, 8 ORB
4		24024		2	ADAPTER, 8M ORB - 8MJ
5		241494		2	HOSE, 3KPSI, 1/2" x 276" 8FJX - 8FJX
6		242448		2	HOSE, 3KPSI, 1/2" x 30" 8 FJX - 8 FJX
7		25602		2	HOSE, 3KPSI, 3/8" x 65" 8 FJX - 8 FJX
8		67636		2	HOSE, 3KPSI, 3/8" x 72" 8 FJX - 8 FJX
9	1	247459		4	HOSE, 3KPSI, 3/8" x 36" 8 FJX - 8 FJX
	2	14644		4	HOSE, 3KPSI, 3/8" x 36" 8 FJX - 8 FJX
10	1	13484		4	HOSE, 3KPSI, 3/8" x 156" 8 FJX - 8 FJX
	2	233689		4	HOSE, 3KPSI, 3/8" x 180" 8 FJX - 8 FJX
11		13268		4	HOSE, 3KPSI, 3/8" x 78" 8 FJX - 8 FJX
12		56540		4	HOSE, 3KPSI, 3/8" x 89" 8 FJX - 8 FJX
13		25580		16	ELBOW, 90°, 8M ORB - 8 MJ
14		13238		6	TEE, 8MJ x 8MJ x 8MJ
15		15910		4	FITTING, Cross, 8MJ
16		334205		2	GRIP, Blue, 8 ORB
17		334210		2	ADAPTER, 8M ORB x 8M ORB
18		88103		UAR	NUT, Hex, 3/8" -16NC, Gr. 5
19		88362		UAR	WASHER, Lock, 3/8"
20		13215		UAR	CLAMP, Tube
21		15543		UAR	PLATE, Mounting
22		89375		UAR	BOLT, Carriage, 3/8" -16NC x 1-1/2", Gr.5, Single Stack
		89473		UAR	BOLT, Carriage, 3/8" -16NC x 2-1/2", Gr. 5, Double Stack
		89475		UAR	BOLT, Carriage, 3/8" 16NC x 3-1/2", Gr. 5, Triple Stack

1 - Used on 46' models.

2 - Used on 50' models.

Hitch Lift Circuitry, T-Hitch

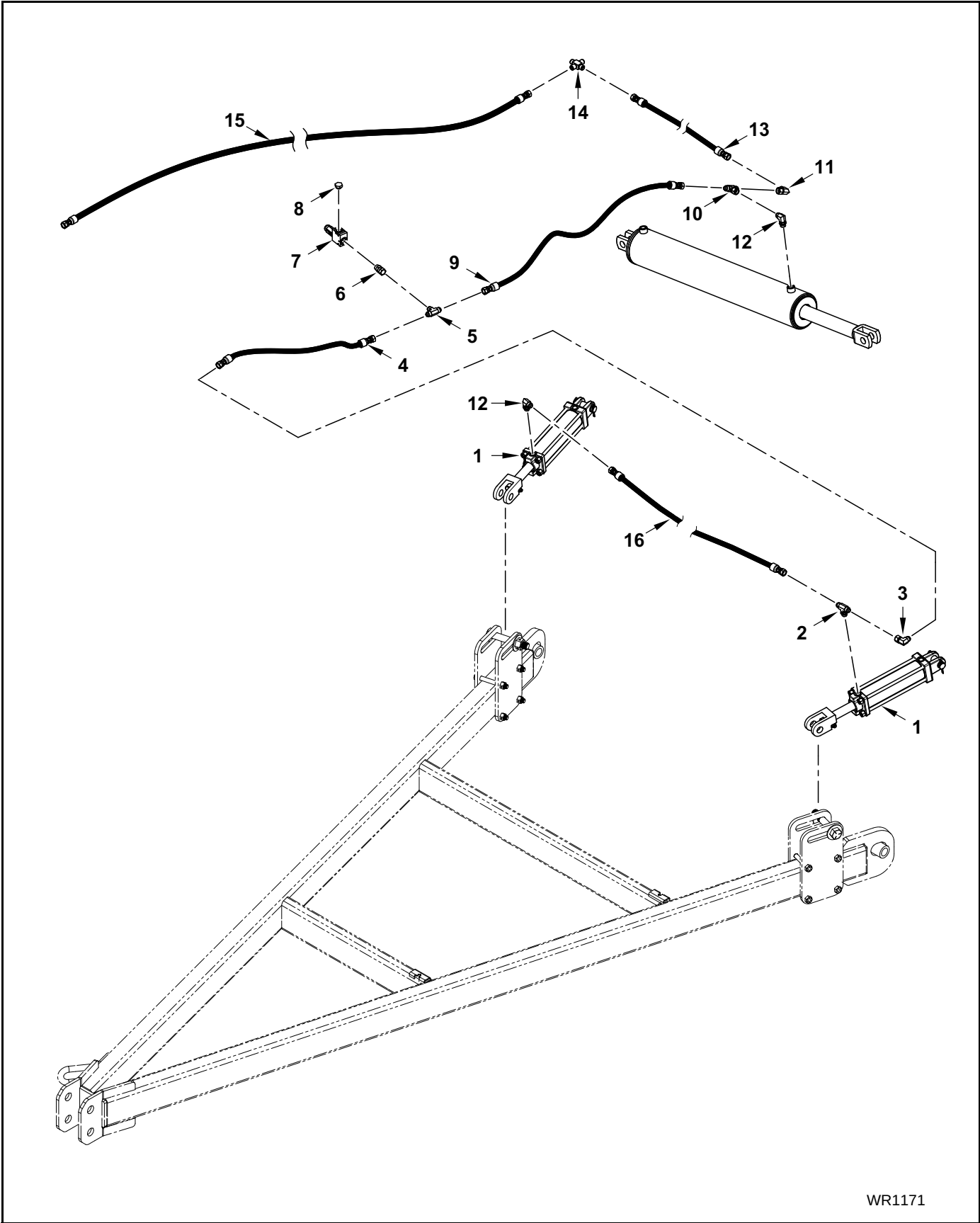


WR1170

Hitch Lift Circuitry, T-Hitch

Ref.	FN	Part Number	Series	Qty.	Description
1		223992		1	CYLINDER, Hitch Lift
2		565390001		1	HOSE, 3KPSI, 0.38" x 0.50", 8FJK - 8FJK
3		69080		1	TEE, 8MJ x 8MJ x 8FJX
4		25580		1	ELBOW, 90°, 8M ORB x 8MJ
5		24044		1	ADAPTER, 8M ORB x 8 FJX
6		247423		1	VALVE, Pressure Relief
7		A63015		1	TEE, 8MJ x 8FJX x 8MJ
8		15910		1	CROSS, Hydraulic, 8MJ x 8MJ x 8MJ x 8MJ
9		14644		2	HOSE, 3KPSI, 0.38" x 0.36", 8FJX x 8FJX
10		25580		2	ELBOW, 90°, 8M ORB x 8MJ
11		20966F		2	CYLINDER, Wing Lift
12		241494		1	HOSE, 3KPSI, 0.50" x 276", 8FJX - 8FJX

Hitch Lift Circuitry, A-Frame Hitch

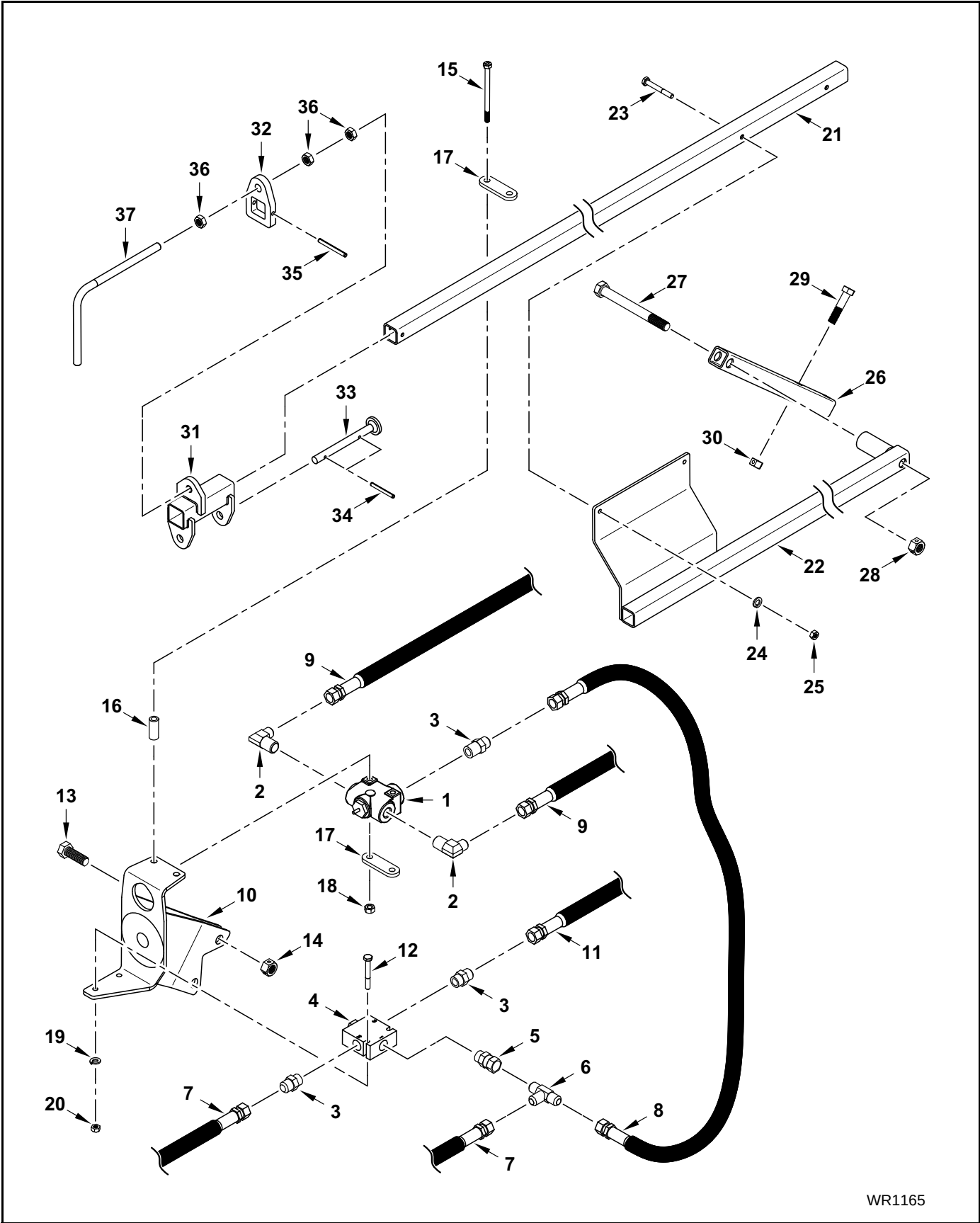


WR1171

Hitch Lift Circuitry, A-Frame Hitch

Ref.	FN	Part Number	Series	Qty.	Description
1		223324		2	CYLINDER, Hitch Lift
2		56534		1	TEE, 8MJ x 8MJ x 8M ORB
3		25591		1	ELBOW, 90°, 8MJx 8FJX
4		13423		1	HOSE, 8FJX - 8FJX
5		13238		1	TEE, 8MJ x 8MJ x 8MJ
6		24004		1	ADAPTER, 8M ORB x 8FJX
7		247423		1	VALVE, Pressure Relief
8		247435		1	BREATHER, 8M ORB
9		56539		1	HOSE, 8FJX - 8FJX
10		69080		1	TEE, 8MJX x 8FJX
11		25591		1	ELBOW, 90°, 8MJ x 8 FJX
11		25591		1	ELBOW, 90°, 8MJ x 8 FJX
12		25580		2	ELBOW, 90°, 8M ORB x 8MJ
13		67636		1	HOSE, 3KPSI, 0.38" x 72", 8FJX - 8FJX
14		15910		1	CROSS, Hydraulic, 8MJ x 8MJ x 8MJ x 8MJ
15		241494		1	HOSE, 3KPSI, 1/2" x 276", 8FJX - 8FJX
16		67636		1	HOSE, 3KPSI 0.38" x 72", 8FJX - 8FJX
17		20966F		1	CYLINDER, Wing Lift, LH

Single Point Valve, Depth Control

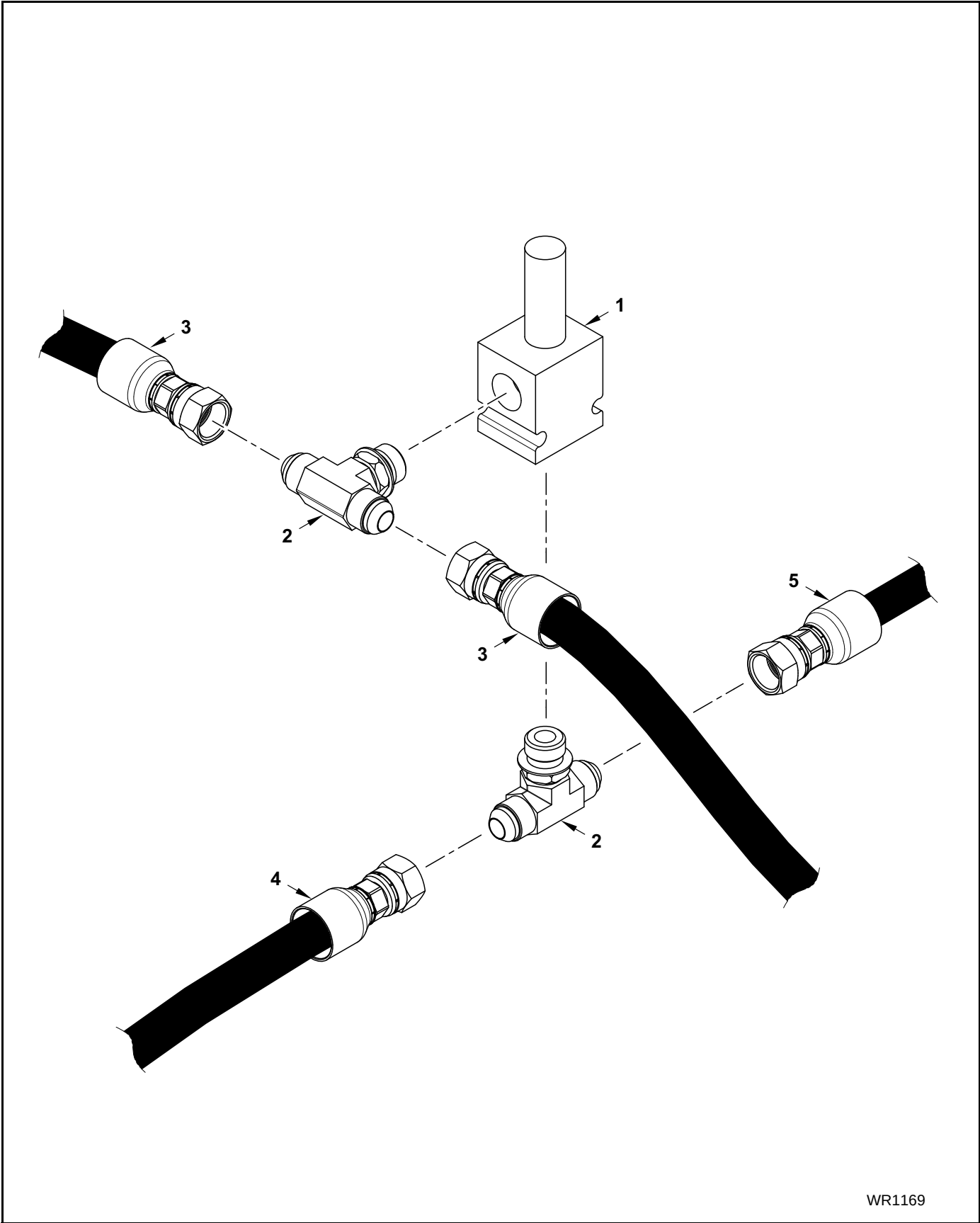


WR1165

Single Point Valve, Depth Control

Ref.	FN	Part Number	Series	Qty.	Description
1		51975		1	VALVE, Single Point, Depth Control
2		13236		2	ELBOW, 90° 8M ORB x 8MJ
3		24024		3	ADAPTER, Fitting, 8M ORB x 8MJ
4		241317		1	VALVE, Check
5		24004		1	ADAPTER, Fitting, 8M ORB x 8FJX
6		13238		1	TEE, Fitting, 8MJ x 8MJ x 8MJ
7		234940		2	HOSE 3KPSI 1/2" x 216" 8FJX - 8FJX
8		242448		1	HOSE, 3KPSI, 1/2" x 30" 8FJX - 8FJX
9		247428		2	HOSE, 3KPSI, 3/8" x 264" 8FJX - 8FJX
10		238638		1	BRACKET, Single Point
11		233250		1	HOSE, 3KPSI, 1/2" x 80" 8FJX - 8FJX
12		89058		2	BOLT, Hex, 1/4" NC x 1", Gr. 5
13		88838		2	BOLT, Hex, 5/8" NC x 1-3/4", Gr. 5
14		88369		2	NUT, Lock, 5/8" NC
15		88812		2	BOLT, Hex, 5/16" NC x 4-1/2", Gr. 5
16		238637		2	SPACER, Valve
17		238636		1	SPACER
18		88540		2	NUT, Lock, 5/16"
19		88262		2	WASHER, Lock, 1/4"
20		88172		2	NUT, Hex, 1/4" -20, Gr. 5
21		241488		1	TUBE, Inner, Single Point
22		354612		1	TUBE, Single Point
23		89058		2	BOLT, Hex, 1/4" -20NC x 2", Gr. 5
24		88262		2	WASHER, Lock, 1/4"
25		88172		2	NUT, Hex, 1/4"
26		354613		1	TUBE, Single Point
27		88295		1	BOLT, Hex, 5/8" -11 x 6", Gr. 5
28		88369		1	NUT, Hex, 5/8" -11, Gr. 5
29		88825		2	BOLT, Hex, 1/2" -13NC x 2-1/2", Gr. 5
30		88363		2	NUT, Hex, 1/2" -13NC, GR. 2
31		222111		1	ADJUSTMENT, Slide
32		222107		1	PLATE, Adjustment Ear
33		222180		1	PIN, Mounting, 5.5"
34		89078		1	PIN, Roll, 3/16" x 1-3/4"
35		88767		1	PIN, Roll, 1/4" x 2-1/2"
36		88561		2	NUT, Jam, 1/2" -13NC, Gr. 5
37		222182		1	ROD, Adjustment Crank

BOP Valve, Outer Wing Fold

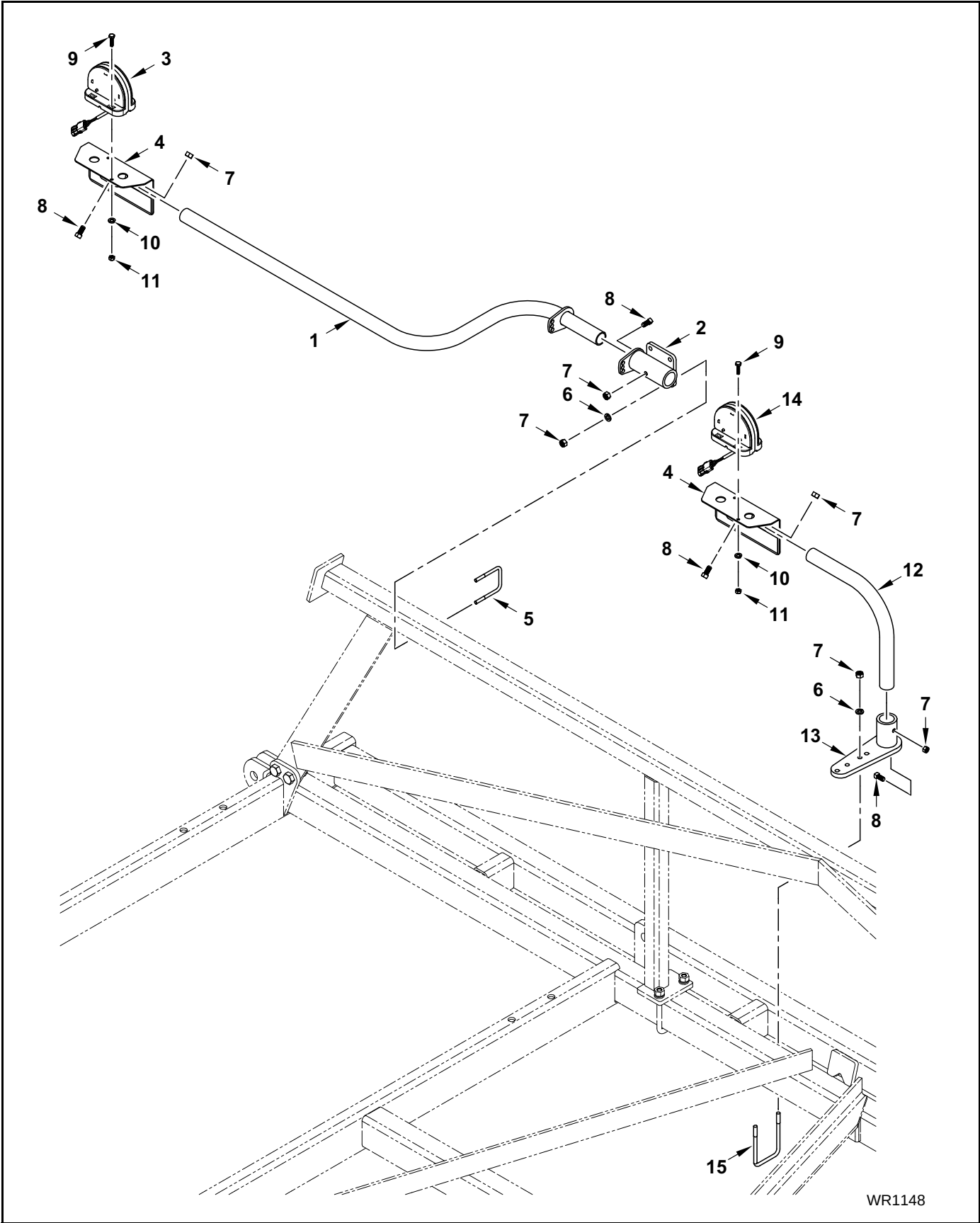


WR1169

BOP Valve, Outer Wing Fold

Ref.	FN	Part Number	Series	Qty.	Description
1		65870		1	VALVE, BOP Sequence
2		56534		2	TEE, 8MJ x 8MJ x 8M ORB
3		247428		2	HOSE, 3KPSI, 3/8" x 264", 8FJX - 8FJX
4		242448		1	HOSE, 3KPSI, 1/2" x 30", 8FJX - 8FJX
5		25602		1	HOSE, 3KPSI, 3/8" x 65", 8FJX - 8FJX

Rear Lighting, Main Frame

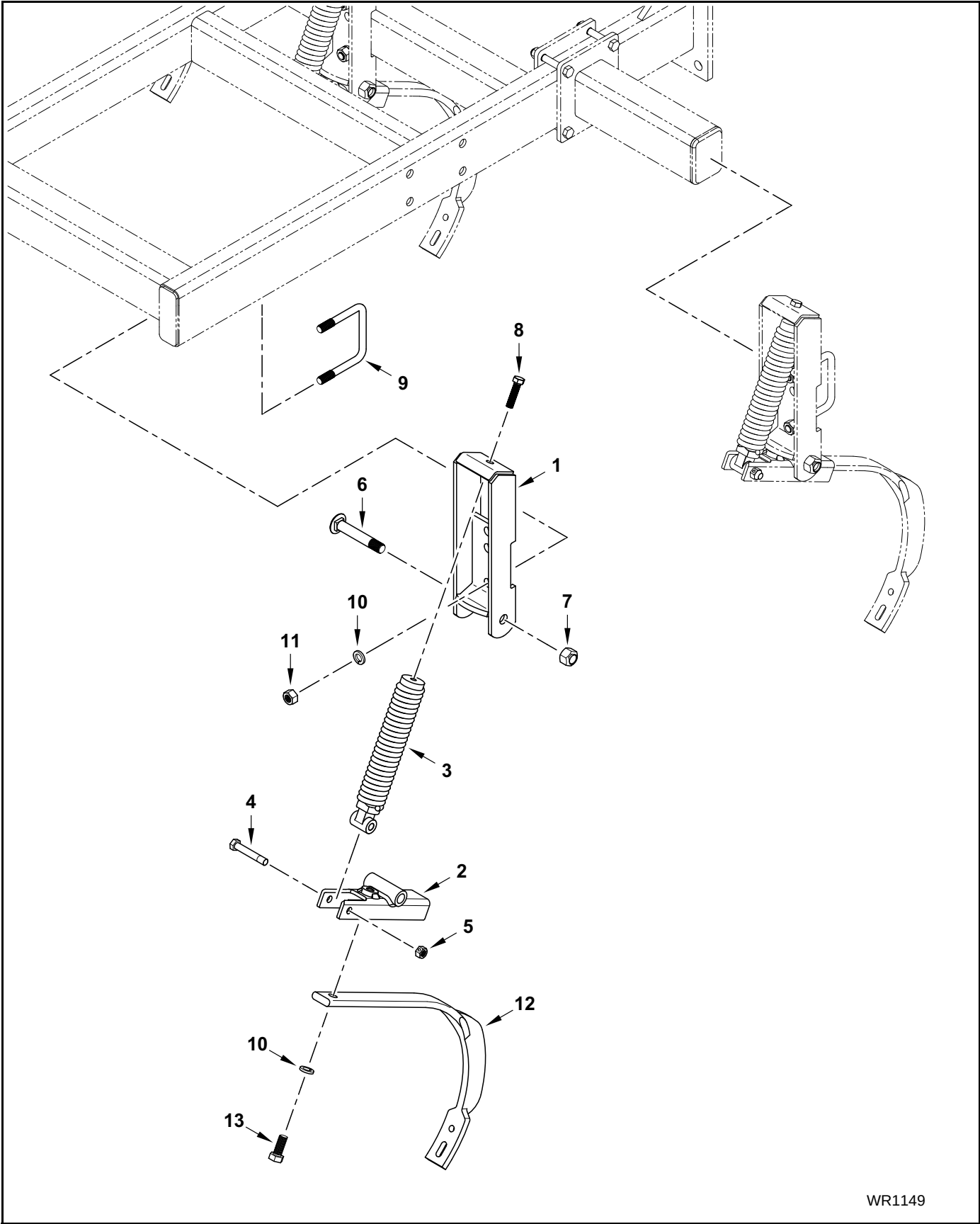


WR1148

Rear Lighting, Main Frame

Ref.	FN	Part Number	Series	Qty.	Description
1		240238		2	LIGHT ARM, Offset, 48" with Lock
2		240237		2	PIVOT PLATE, with Lock
3		321363		2	LIGHT ASSY., Tri-Plug, Single, Red
4		223126		2	BRACKET, Mounting, Light / Reflector
5		88386		4	U-Bolt, 3/8"-16NC x 2-1/2" X 3-1/2"
6		88362		12	WASHER, Lock, 3/8"
7		88103		22	NUT, Hex 3/8" -16NC, Gr. 5
8		88702		10	SCREW, Set, 3/8" NC x 3/4" SQHD
9		89028		8	BOLT, Hex, 1/4" 20NC x 1", Gr. 5
10		88262		8	WASHER, Lock, 1/4"
11		88172		8	NUT, Hex 1/4" -20NC, Gr. 5
12		223140		2	TUBE, Light Mounting, 12" x 12"
13		223130		2	BASE PIVOT, Short
14		321362		2	LIGHT ASSY., Tri-Plug, Single, Amber
15		89347		1	U-BOLT, 3/8"-16NC x 3" x 5"

Shank Mounting

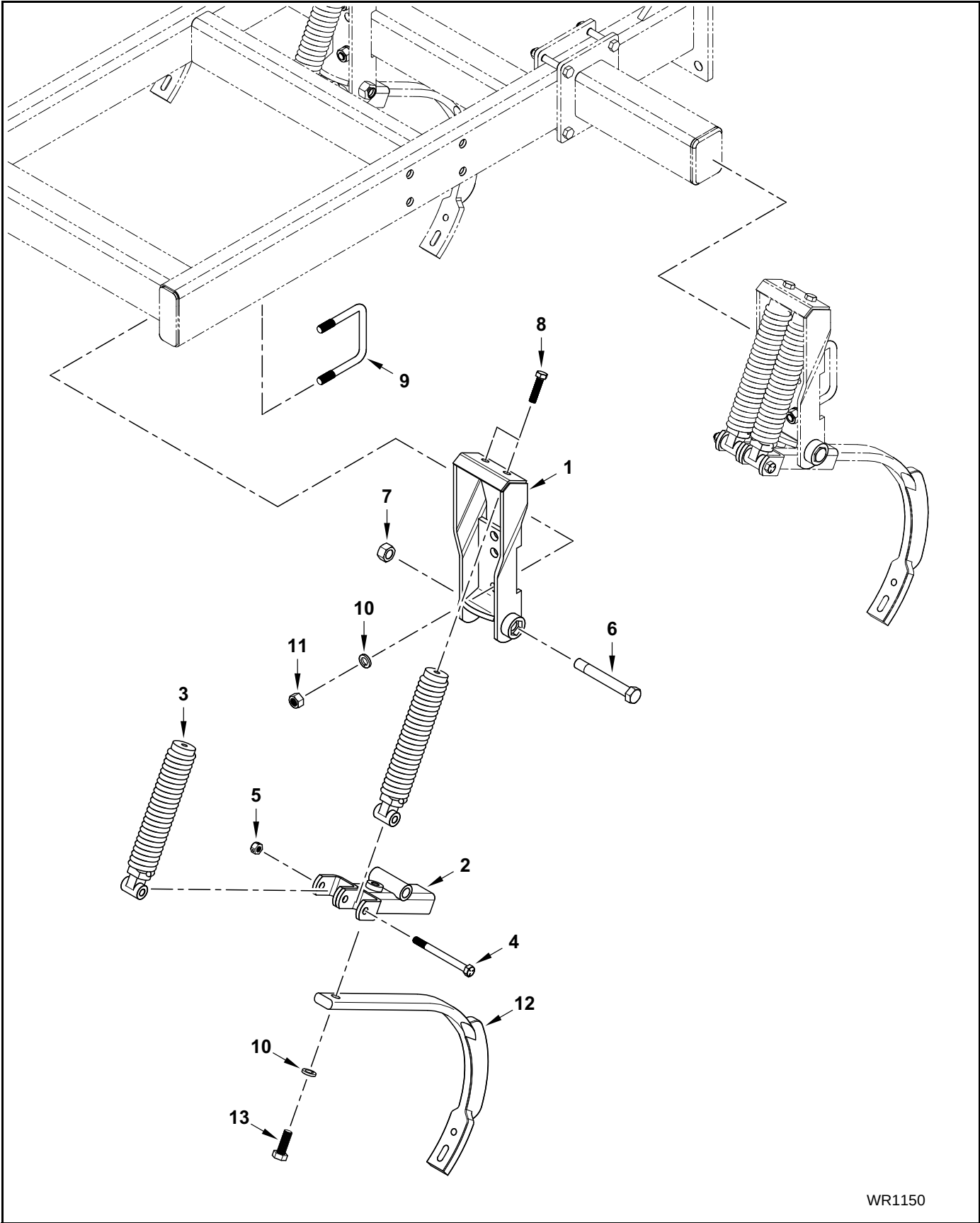


WR1149

Shank Mounting

Ref.	FN	Part Number	Series	Qty.	Description
		241858			SHANK ASSY., Single Spring, Inc. 1 - 13
1		58496		1	BRACKET, Single Spring
2		240588		1	BRACKET, Spring Mounting
3		22902		1	SPRING, ASSY.
4		20637		1	BOLT, Hex
5		88363		1	NUT, Lock, 1/2" - 13NC Gr. 2
6		15579		1	BOLT, Hex
7		22463		1	NUT, Lock 3/4"
8		23153		1	BOLT, 1/2"NC x 2" Gr. 5
9		88501		1	U-BOLT, 5/8" - 11NC x 4" x 4-1/4"
10		88129		3	WASHER, Lock 5/8"
11		88126		2	NUT, Hex, 5/8" - 11 Gr. 5
12		53408		1	ARM, Shank
13		88577		2	BOLT, Hex

Twin Spring Shank Mounting

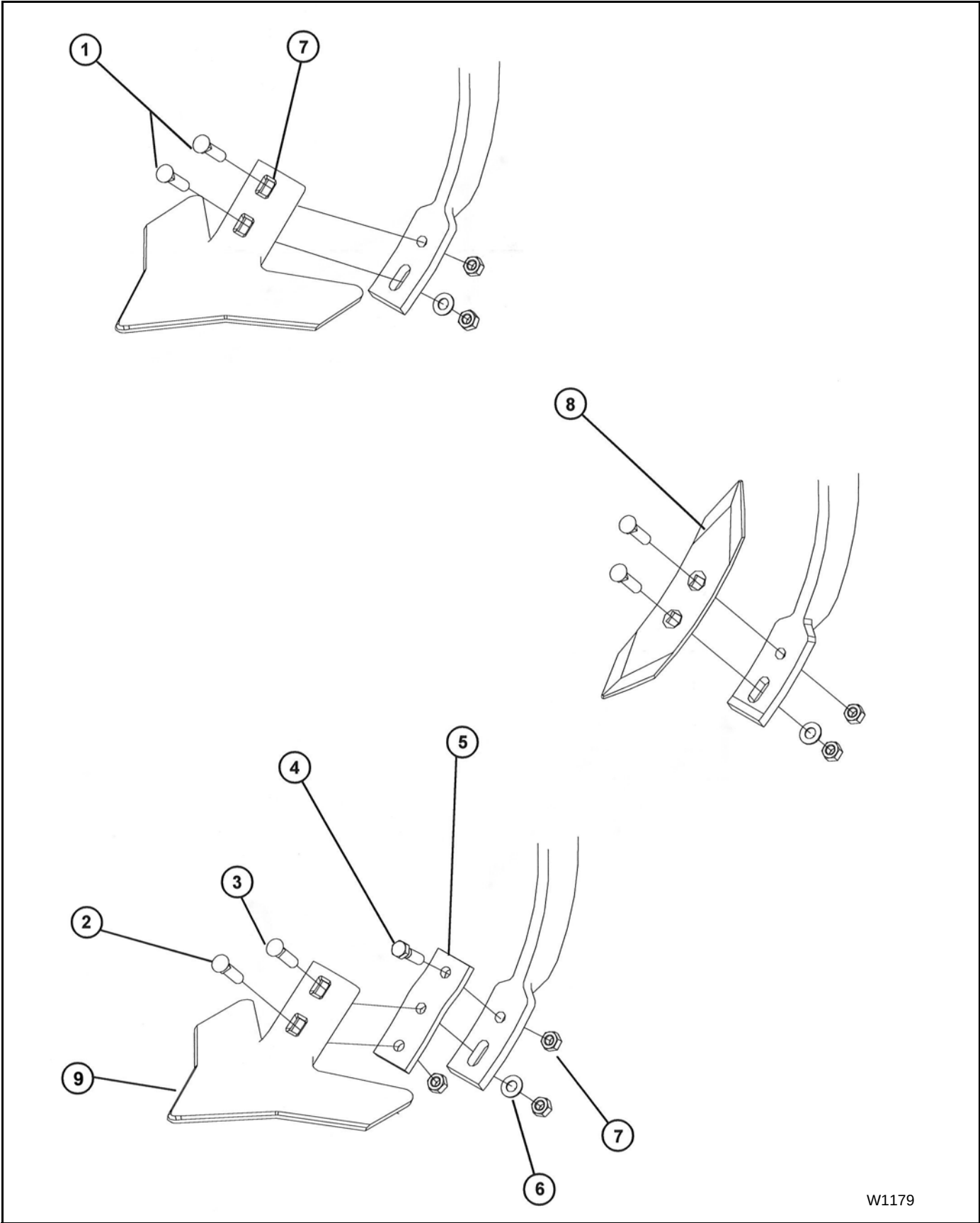


WR1150

Twin Spring Shank Mounting

Ref.	FN	Part Number	Series	Qty.	Description
		241859		47	SHANK ASSY., Twin Spring, Inc. 1 - 13
1		240593		1	BRACKET, Twin Spring
2		240589		1	BRACKET, Spring Mounting
3		22902		2	SPRING, Assy.
4		88574		1	BOLT, Hex, 1/2" - 13NC x 5-1/2" Gr.5
5		88363		1	NUT, Lock, 1/2" - 13NC Gr. 2
6		240592		1	BOLT, Hex, 3/4" x 5.55" Gr.8
7		22463		1	NUT, Lock 3/4"
8		23153		2	BOLT, 1/2"NC x 2" Gr. 5
9		88501		1	U-BOLT, 5/8" - 11NC x 4" x 4-1/4"
10		88129		3	WASHER, Lock 5/8"
11		88126		2	NUT, Hex, 5/8" - 11 Gr. 5
12		55655		1	ARM, Shank
13		88838		2	BOLT, Hex, 5/8" - 11NC x 1-3/4" Gr.5

Shovels



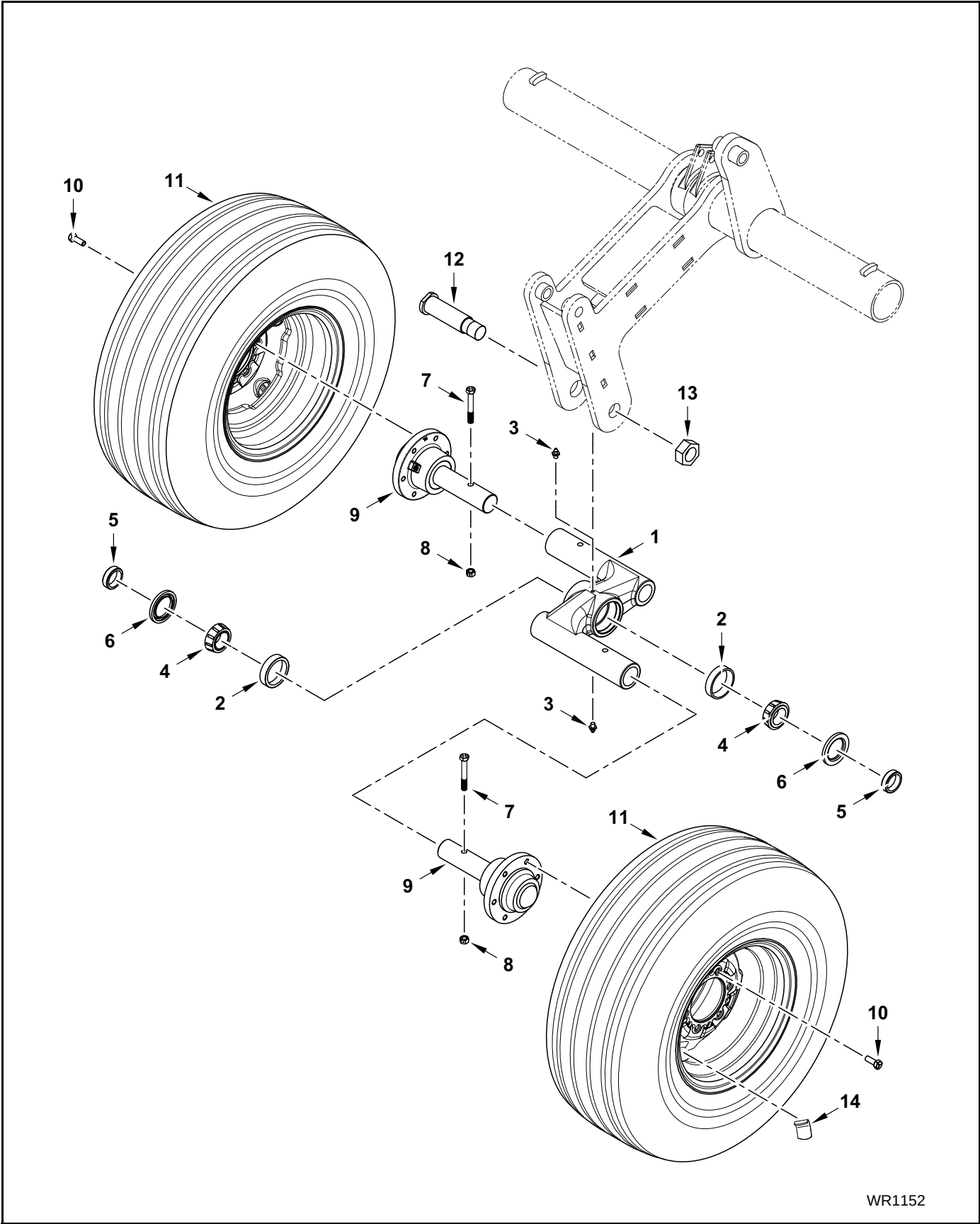
W1179

Shovels

Ref.	FN	Part Number	Series	Qty.	Description
	1	16339		1	SHOVEL ASSY., Ext, Inc. 1 - 7
1		88599		2	BOLT, Plow, 7/16"NC x 1-1/2" Gr.5
2		88849		2	BOLT, Plow, 7/16"NC x 1-3/4" Gr.5
3		88464		2	BOLT, Plow, 7/16"NC x 2-1/4" Gr.5
4		88392		1	BOLT, Hex, 7/16"NC x 1-1/2"
5		41575		1	SPACER, Shovel Extension
6		88152		1	WASHER, 7/16"
7		88344		UAR	NUT, 7/16"
8		222680		1	SPIKE, 2" Reversible with Hardware
9		222682		1	SWEEP, 9" Terminator 47° with Hardware
		222681		1	SWEEP, 7" Terminator 47° with Hardware

1 - Contains hardware for 4 shovels.

Walking Axle Assembly, Main Frame, Rear



WR1152

WHEELS AND SPINDLES

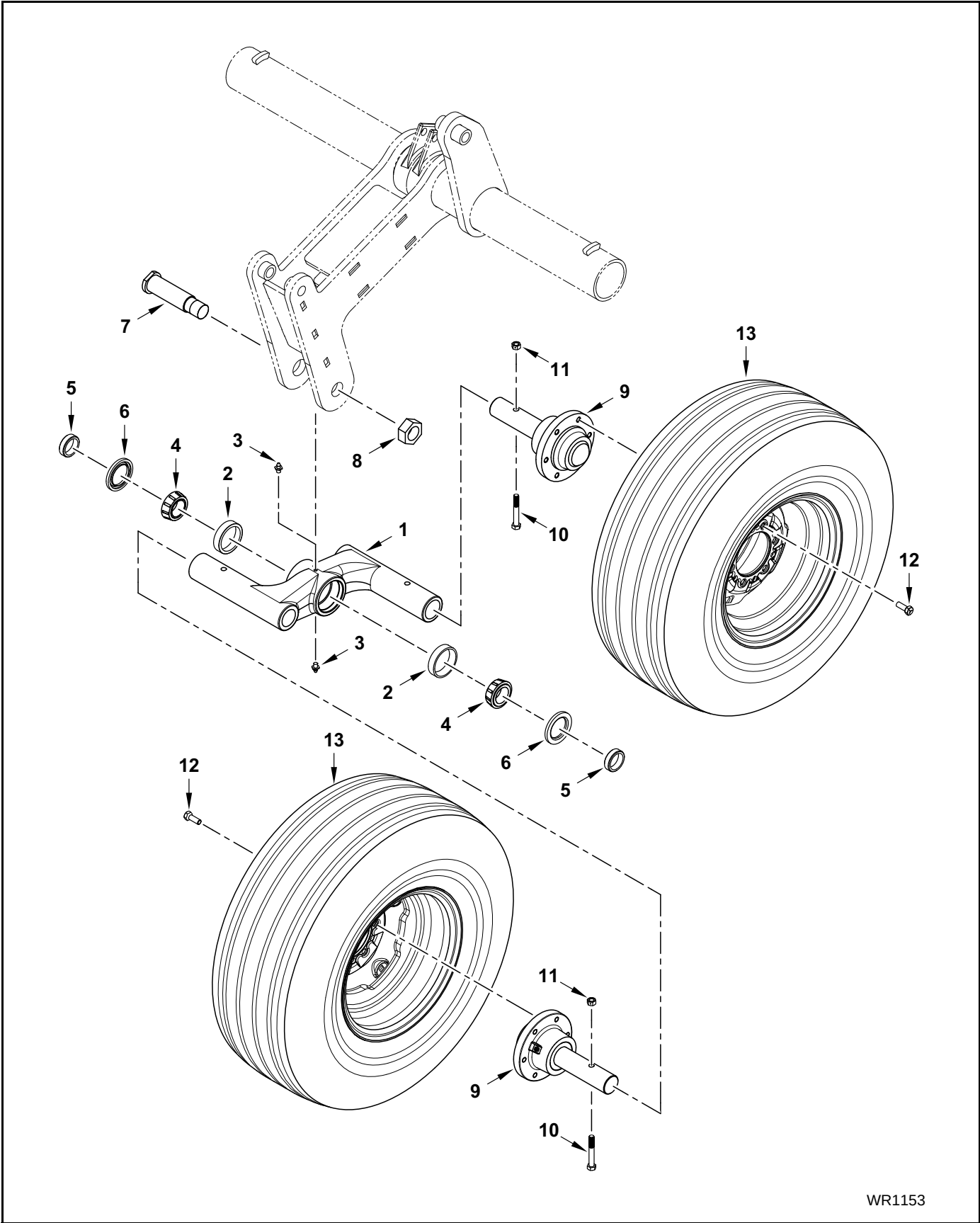
Walking Axle Assembly - Main Frame, Rear

Ref.	FN	Part Number	Series	Qty.	Description
	2	356837		2	WALKING AXLE ASSY., Main Frame, Rear, 2-1/2" Dia Cast, Inc. 1 - 3
	1	359438		2	WALKING AXLE ASSY., Main Frame, Rear, 2" Rear, Inc. 1 - 3
1	2	356834		1	AXLE, Walking, 2-1/2"
	1	359437		1	AXLE, Walking, 2"
2		12104		2	BEARING
3		88263		2	FITTING, Grease
4		12103		2	BEARING
5		16278		2	RING, Wear
6		26120		2	SEAL, Triple Lip
	1	4000361052		2	SPINDLE ASSY., 6-Bolt, Inc 7 - 9
	2	4000361053		2	SPINDLE ASSY., 8-Bolt, Inc 7 - 9
7	2	88381		2	BOLT, Hex, 5/8" -11NC x 4-1/2" Gr. 5
	1	88460		1	BOLT, Hex, 1/2" - 20NF x 3-1/2" Gr. 8
8	2	88845		2	NUT, 5/8" -11NC, Gr. 5
	1	88304		1	NUT, Lock 1/2" -20NF, 2ZP
9	2	247987		2	HUB ASSY., Spindle, 8-Bolt, Main Frame, Rear, Inc. 7, See page 9-6
	1	14131		1	HUB ASSY., Spindle, 6-Bolt, Inc. 7, See page 9-8
10	1	88142		6	BOLT, Lug
11	1	358660		4	WHEEL ASSY., Main Frame Walking Axle, Rear, See page 9-12
	2	334274		4	WHEEL ASSY., Main Frame Walking Axle, Rear, See page 9-12
12		4000361050		2	PIN, Waking Tandem
13		42082		2	NUT, Jam, Lock, 1/2"
14	2	WB40		8	NUT, Lug

1 - Used on a 3-Section 11" model.

2 - Used on a 3 & 5-Section 13" model.

Walking Axle Assembly, Wing Frame, Rear



WR1153

WHEELS AND SPINDLES

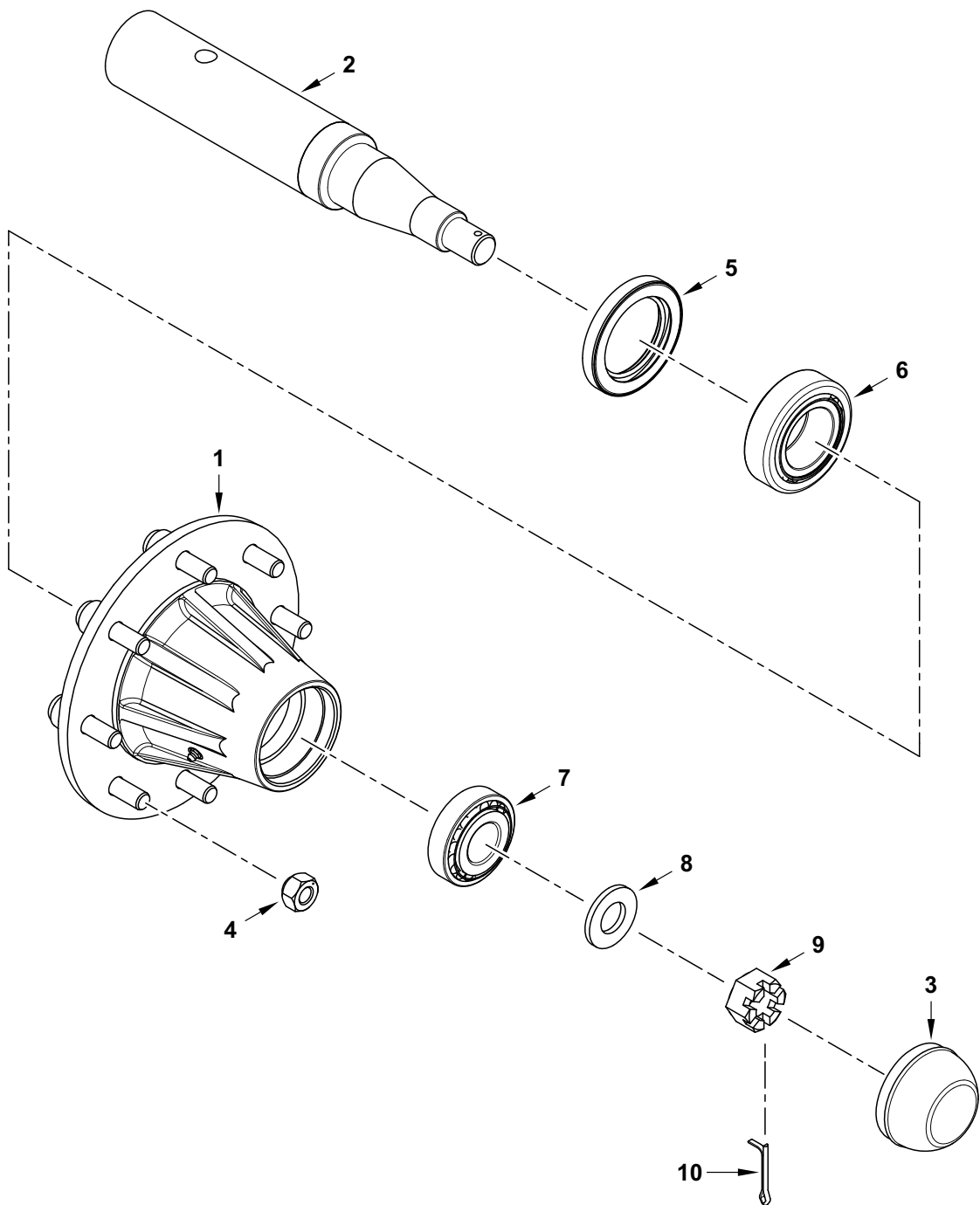
Walking Axle Assembly - Wing Frame, Rear

Ref.	FN	Part Number	Series	Qty.	Description
		359438		4	WALKING AXLE ASSY., Wing, Rear, 2" Dia Cast, Inc. 1 - 4
1		359437		1	AXLE, Walking, 6-Bolt with Cups
2		12104		2	BEARING, Cup
3		88263		2	FITTING, Grease
4		12103		2	BEARING, Cone
5		16278		2	RING, Wear
6		26120		2	SEAL, Triple Lip, 2.25" ID x 3.40" OD
7		4000361050		1	PIN, Walking
8		42082		1	NUT, Lock, 1-1/2"
9		14131		2	HUB & SPINDLE ASSY., 6-Bolt, Wing Frame, Rear, See page 9-8
10		88460		2	BOLT, Hex, 1/2" -20NF x 3-1/2"
11		88304		2	NUT, Lock, 1/2" -20NF Gr. 2
12	2	88142		48	BOLT, Lug, 1/2" -20NF x 1"
	1	88142		24	BOLT, Lug, 1/2" -20NF x 1"
13		358660		4	WHEEL ASSY., Wing Frame, Rear Section, See page 9-12

1 - Used on a 3-Section 11' model.

2 - Used on 3 & 5-Section 13' models.

Hub & Spindle Assembly, Main Frame, Rear



WR1154

WHEELS AND SPINDLES

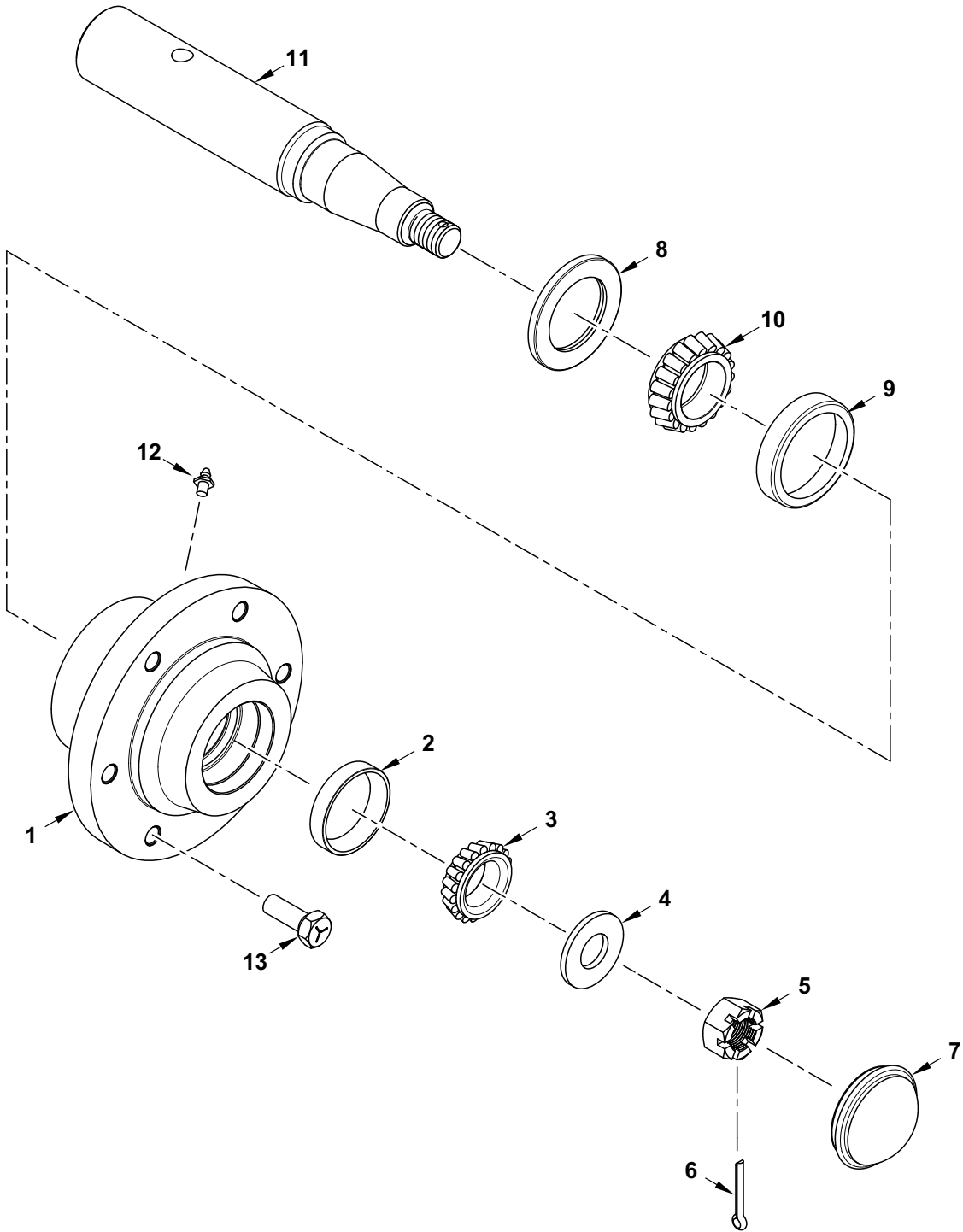
Hub & Spindle Assembly, Main Frame, Rear

Ref.	FN	Part Number	Series	Qty.	Description
	1,2	247987		2	HUB & SPINDLE ASSY., 8-Bolt, Inc. 1 - 10
1		NSS		1	HUB, 8-Bolt
2		S81Z-A97		1	SPINDLE, 2-1/2"
3		DC17		1	CAP, Dust
4		WB40		8	NUT, Wheel
5		SE35		1	SEAL, Multi-Lip
6		3780-3720		1	BEARING
7		2790-2720		1	BEARING
8		WA17H		1	WASHER, Thrust
9		WB33		1	NUT, Slotted
10		MI-21		1	PIN, Cotter

1 - Used on 3-Section 13' (37' - 50') models.

2 - Used on 5-Section 13' (55' - 60') models.

Hub & Spindle Assembly, Wing & Main Frame



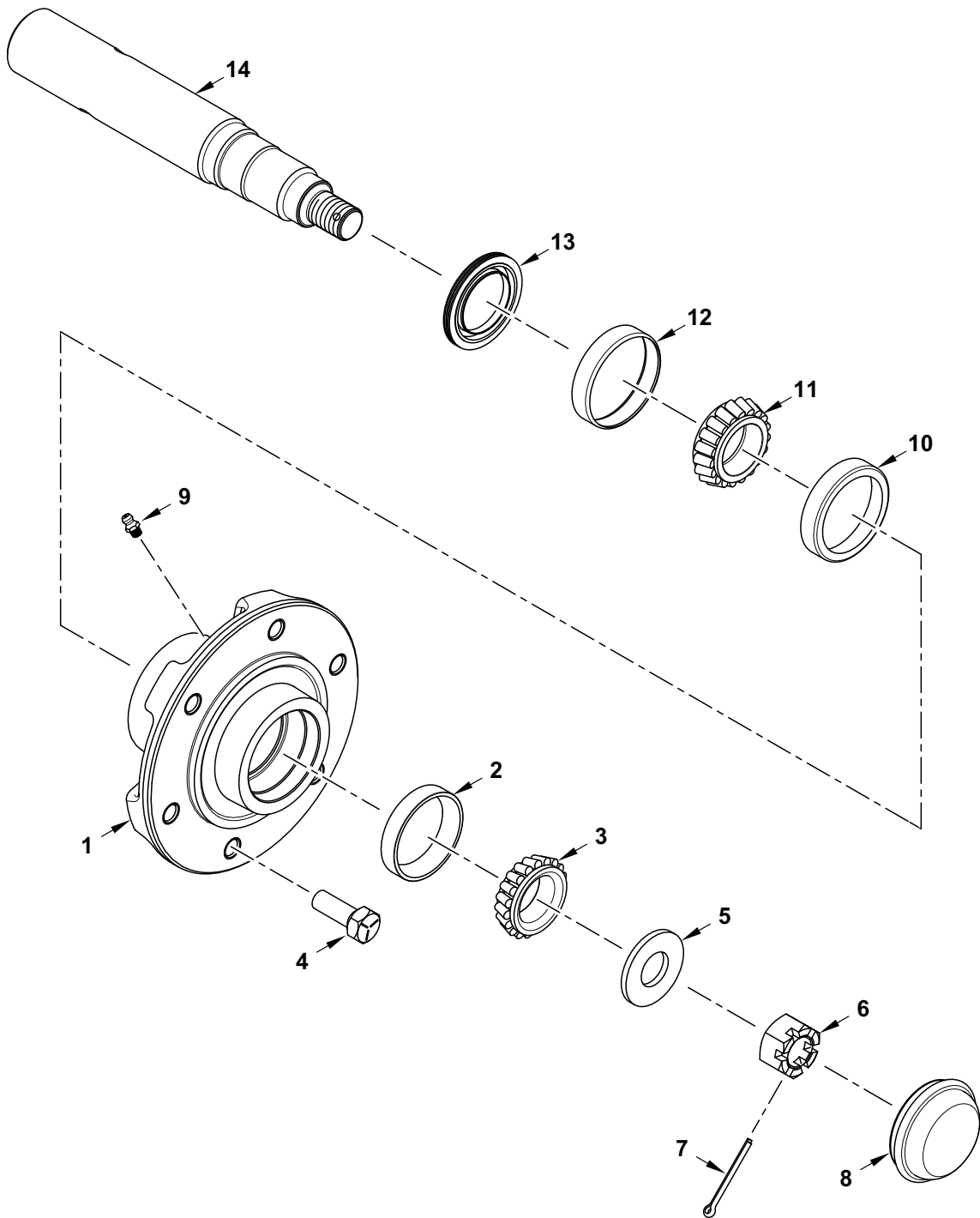
WR0549

WHEELS AND SPINDLES

Hub & Spindle Assembly, Wing & Main Frame

Ref.	FN	Part Number	Series	Qty.	Description
		14131		4	HUB & SPINDLE ASSY., 6-Bolt, Wing Frame, Inc. 1 - 13
1		24097		1	HUB, Wheel, 6-Bolt with Cups
2		10344		1	CUP, Bearing
3		10345		1	CONE, Bearing
4		16094		1	WASHER, Spindle, 7/8"
5		88340		1	NUT, Slotted, 7/8"
6		88301		1	PIN, Cotter, 3/16" x 1-1/2"
7		11381		1	CAP, Dust
8		58546		1	SEAL, Triple Lip, 2"
9		14249		1	CUP, Bearing
10		14248		1	CONE, Bearing
11		14251		1	SPINDLE, 2"
12		88263		1	FITTING, Grease, 1/8" NFT
13		88142		6	BOLT, Hex, 1/2" -20NF x 1"

Hub & Spindle Assembly, Parallel Gauge Wheels

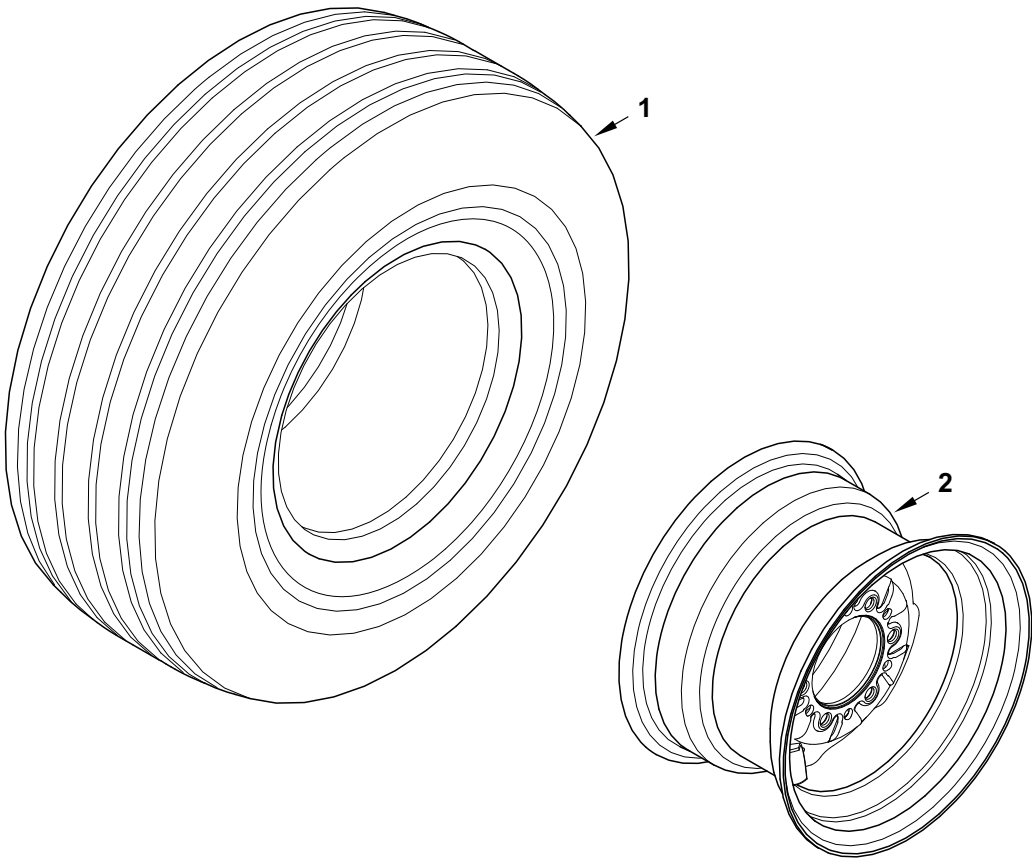


WR0547

Hub & Spindle Assembly, Parallel Gauge Wheels

Ref.	FN	Part Number	Series	Qty.	Description
		41234		4	HUB ASSY., Parallel Gauge Wheel, Inc. 1 - 14
1		30405		1	HUB, Wheel, 6 Bolt with Cups
2		10344		1	CUP, Bearing, 2.328" OD
3		10345		1	CONE, Bearing, 1-1/4" ID
4		88142		6	BOLT, Hex, 1/2" -20NF x 1"
5		16094		1	WASHER, Spindle, 7/8"
6		88340		1	NUT, Slotted, 7/8"
7		88301		1	PIN, Cotter, 3/16" x 1/2"
8		11381		1	CAP, Dust
9		88263		1	FITTING, Grease 1/8"
10		11378		1	CONE, Bearing, 1-1/2" ID
11		11379		1	CUP, Bearing, 2.563" OD
12		11372		1	RING, Wear
13		25585		1	SEAL, Triple Lip
14		41232		1	SPINDLE, Axle, 1-3/4"

Wheel Assembly



WR1155

WHEELS AND SPINDLES

Wheel Assembly

Ref.	FN	Part Number	Series	Qty.	Description
	2	16290		2	WHEEL ASSY., Outer Wing, Manual Height Adjust, Inc. 1 - 2
1		NSS		1	TIRE, 95L x 15
2		10498		1	RIM, 15' x 8, 6-Bolt
	2,3	334274		4	WHEEL ASSY., Walking Axle, Inc 1 - 2
1		NSS		1	TIRE, VF285/40R19.5 Radial Tire
2		334272		1	RIM, 8-Bolt
	1,2,3	358660		UAR	WHEEL ASSY., Parallel Link Gauge, Inc. 1 - 2
1		NSS		1	TIRE, IF 320/70R15
2		46714		1	RIM, 15 x 10 6-Bolt
	2,3	334275		4	WHEEL ASSY., Parallel Gauge, Inc. 1 - 2
1		NSS		1	TIRE, 280/70 R15 Radial Tire
2		334273		1	RIM, 15 x 8 6-Bolt

1 - Used on 3-Section 11' (25' - 27') models.

2 - Used on 3-Section 13' (37' - 50') models.

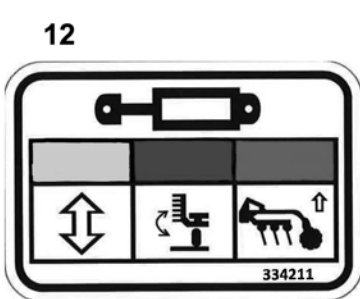
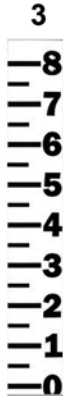
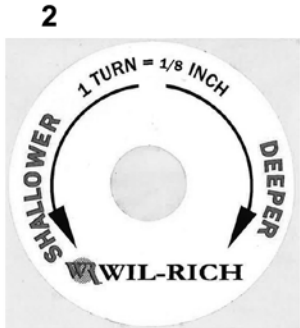
3 - Used on 5-Section 13' (55' - 60') models.



Decals - Model

Ref.	FN	Part Number	Series	Qty.	Description
1		64404		4	DECAL, WR Wil-Rich
2		243479		4	DECAL, Wil-Rich
3		242815		4	DECAL, QX ²
4		242816		4	DECAL, XL ²

Decals - Safety



WR1122

Decals - Safety

Ref.	FN	Part Number	Series	Qty.	Description
1		997263		1	DECAL, Tillage Promotes A Safer Environment For Tomorrow
2		241756		1	DECAL, Depth Adjustment
3		69304		1	DECAL, Gauge Depth
4		997868		1	DECAL, Speed Sign, 25 Mile/Hr
5		997852		1	DECAL, WARNING, Read Manual Before Connecting
6		997854		8	DECAL, DANGER, Folding Wing Stand Clear
7		997864		4	DECAL, WARNING, Cylinder Lock Must Be Used
8		997860		1	DECAL, WARNING, Read Manual
9		997862		1	DECAL, DANGER, High Voltage
10		997865		6	DECAL, Cylinder Lock Safety Support
11		41345		1	SIGN, SMV (Slow Moving Vehicle)
12		334211		3	DECAL, Hydraulic Connection

Decals- Safety

1



2



4



3



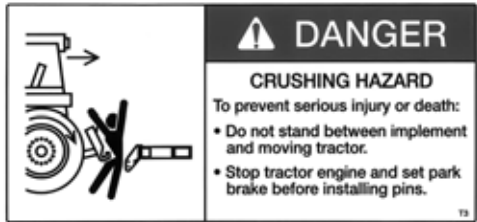
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6



7



8



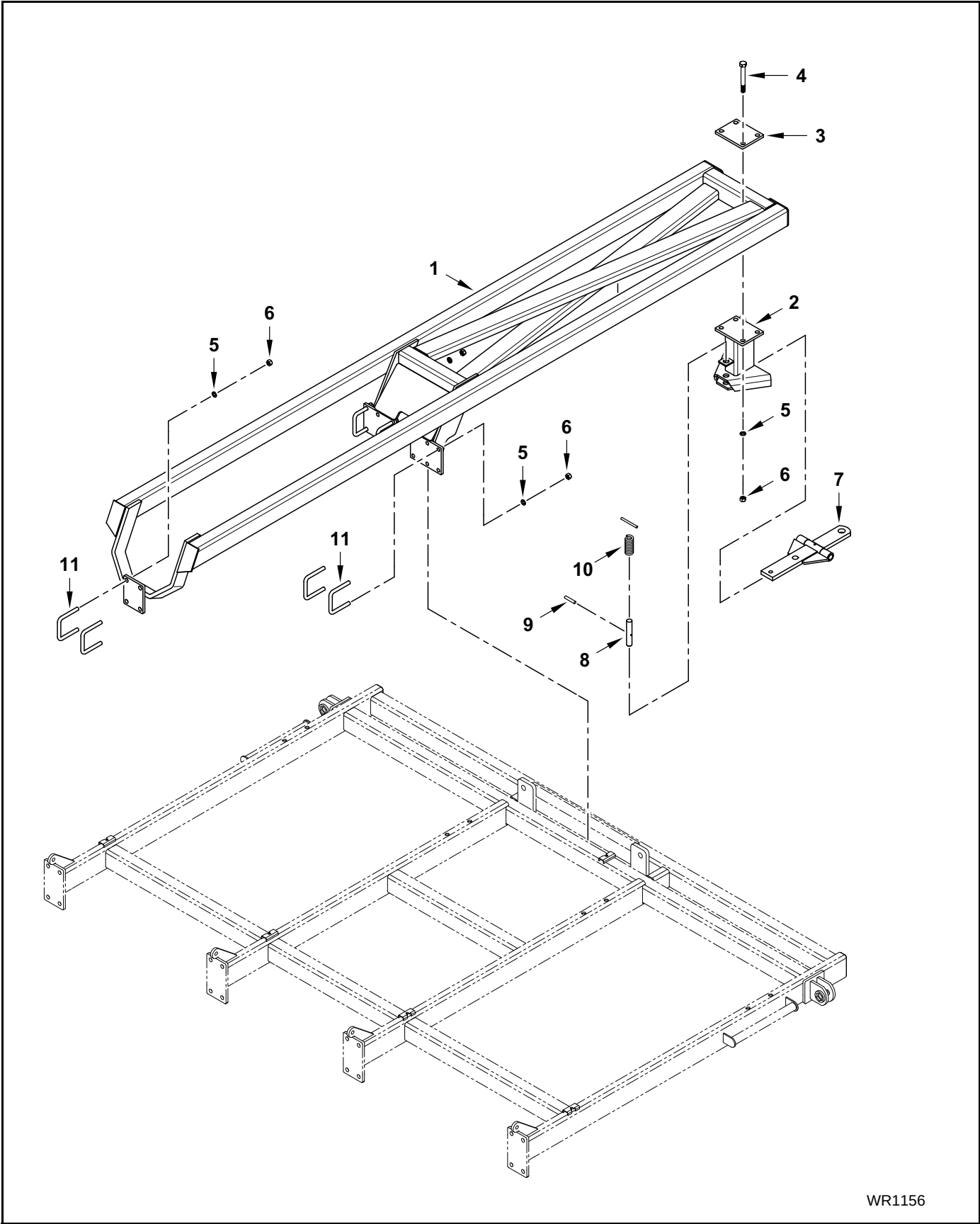
9



Decals - Safety

Ref.	FN	Part Number	Series	Qty.	Description
1		22128		1	DECAL, DANGER, Hitch Plate
2		223118		4	DECAL, Reflector, Red-Orange
3		22371			DECAL, Reflector, Red
4		22372		3	DECAL, Reflector, Amber
5		24227		1	DECAL, WARNING, To Avoid Injury or Machine Damage
6		31944		2	DECAL, CAUTION, Avoid Injury or Equipment Damage
7		222802		2	DECAL, DANGER, Crushing Hazard
8		700738712		4	DECAL, WARNING, Parking Stand
9		9971163VEND		1	DECAL, Safety Set
10		60711			DECAL, High Pressure Fluid Hazard, Not Shown
11		20121			DECAL, Integral Restrictor, Not Shown
12		41508			DECAL, DANGER, Wing Lock, Not Shown
13		53334			DECAL, CAUTION, Failure To Follow Instructions, Not Shown
14		49163			DECAL, DANGER, Wing Lock, Not Shown
15		54900			DECAL, Wings Up, Not Shown
16		54901			DECAL, Wings Down, Not Shown
17		54902			DECAL, Main Up, Not Shown
18		54903			DECAL, Main Down, Not Shown
19		49165			DECAL, CAUTION, Failure To Follow Instructions, Not Shown
20		23325			DECAL, CAUTION, Read, Not Shown
21		223178			DECAL, Clearance Light Package, Not Shown
22		222802			DECAL, Crushing, Not Shown
23		222801			DECAL, Electrocution, Not Shown

HD Rear Hitch & Brace Arms



WR1156

HD Rear Hitch & Brace Arms

Ref.	FN	Part Number	Series	Qty.	Description
		245386		1	TONGUE ASSY., TL HD Rear Hitch Hinged, Inc. 1 -14
1		69442		1	HITCH, HD Implement
2		69454		1	MOUNT, Hitch
3		69447		1	PLATE, Mounting
4		88293		4	BOLT, Hex, 3/4" -10NCx 6" Gr. 5
5		88129		28	WASHER, Lock, 5/8"
6		88126		28	NUT, Hex, 5/8"
7		18443		1	TONGUE, Hinged
8		58284		1	PIN, Hitch, 1" x 2-27/32"
9		88101		1	PIN, Cotter, 1/4" x 2-1/2"
10		15940		1	SPRING
11		88453		8	U-BOLT, 5/8" -11NC x 4" x 4-1/4"

