

# REPAIR PARTS CATALOG

# **Brillion**

## **X-Fold Pulverizer**

**MODELS: XL144 XLC144  
XLD144 XLH144 XLO144**

**WIDTHS: 28', 30', 32', 34', 36'**

**IMPORTANT!**

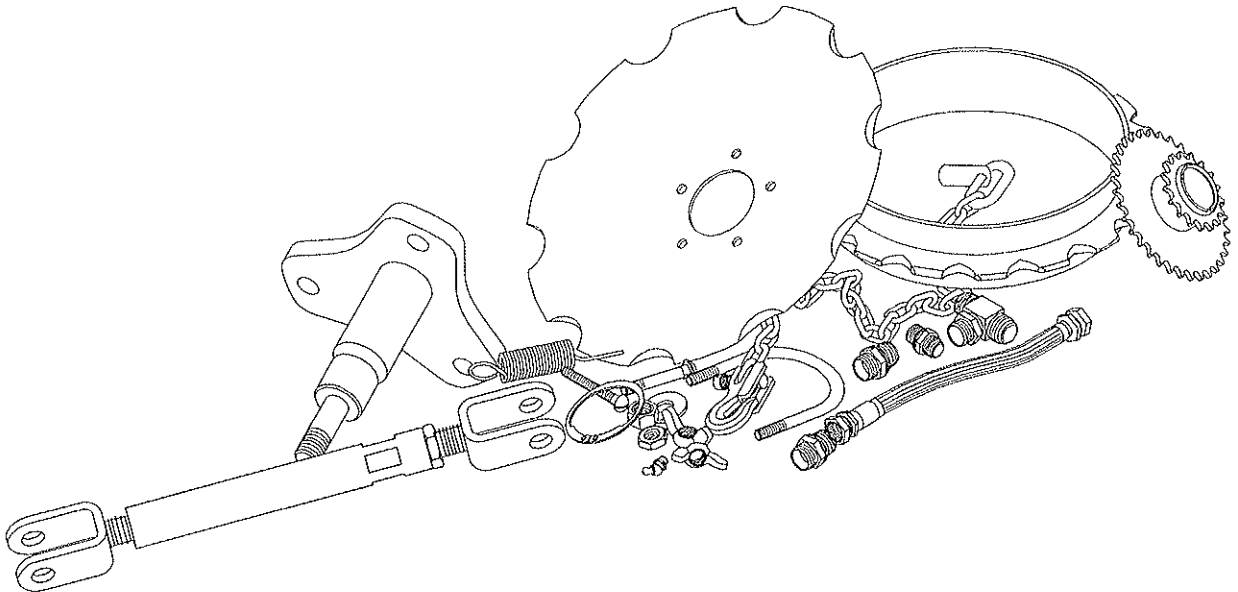
Repairs cannot be purchased retail direct from factory.  
Order through your Brillion dealer.

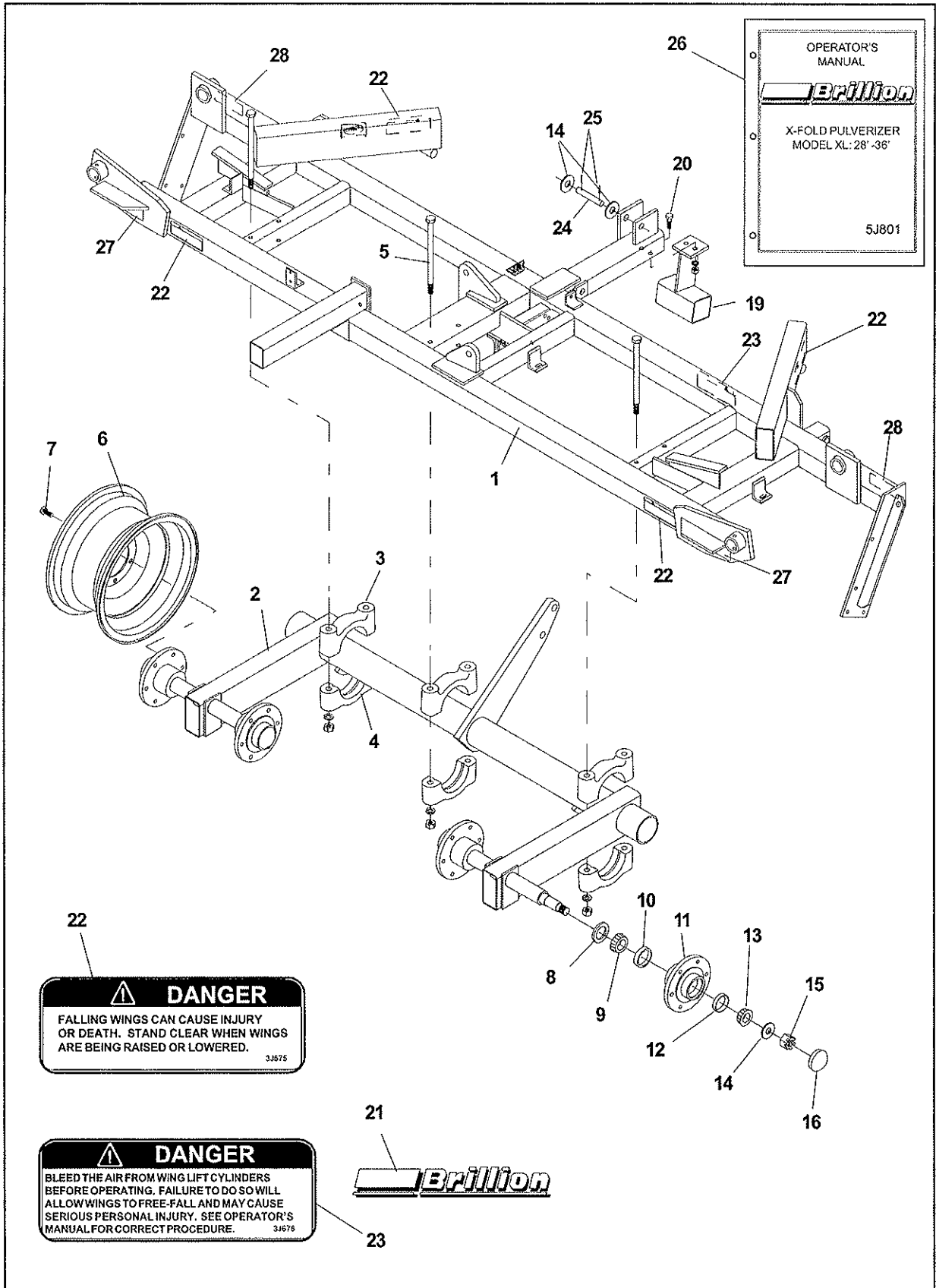
**BRILLION IRON WORKS, INC.,  
BRILLION, WISCONSIN 54110**

# REPAIR PARTS

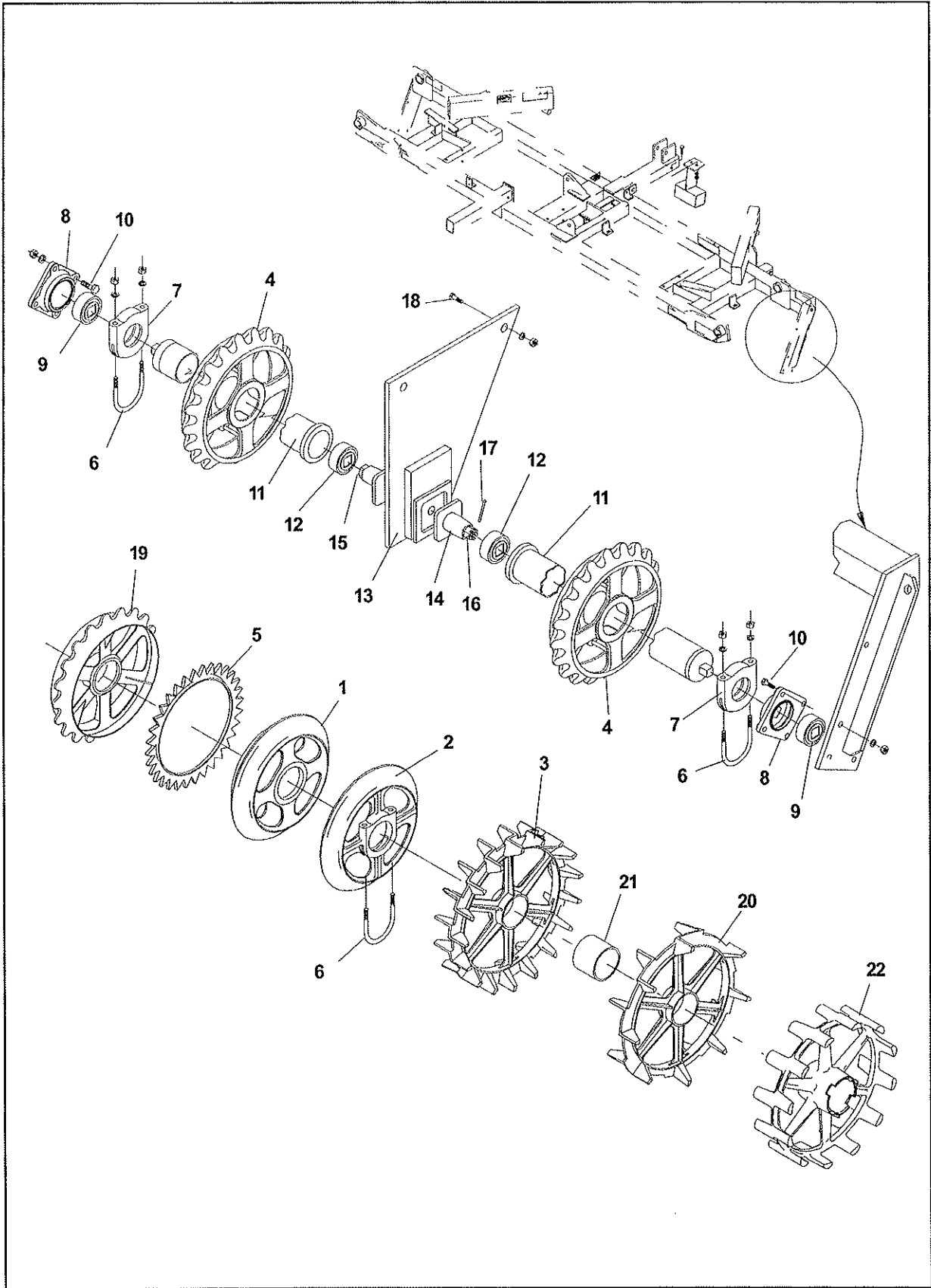
## CONTENTS

Center Frame & Transport Axle .....	2, 3
Wheel & Axles (Center) .....	3A, 3B
Drawbar & Drawbar Braces .....	4, 5
Hydraulics .....	4, 5
Telescoping Drawbar .....	6, 7
Manual Valve Kit .....	6, 7
Wing Frames (7'-11') .....	8, 9
Wing Wheels & Axles (7'-11') .....	9A, 9B
Wing Frame (12') .....	10, 11
Wing Wheels & Axles (12') .....	11A, 11B
Automatic Transport Lock .....	12
Scraper Kits .....	13-16
Scraper Components .....	17, 18
Hydraulic Cylinder Components .....	19-22



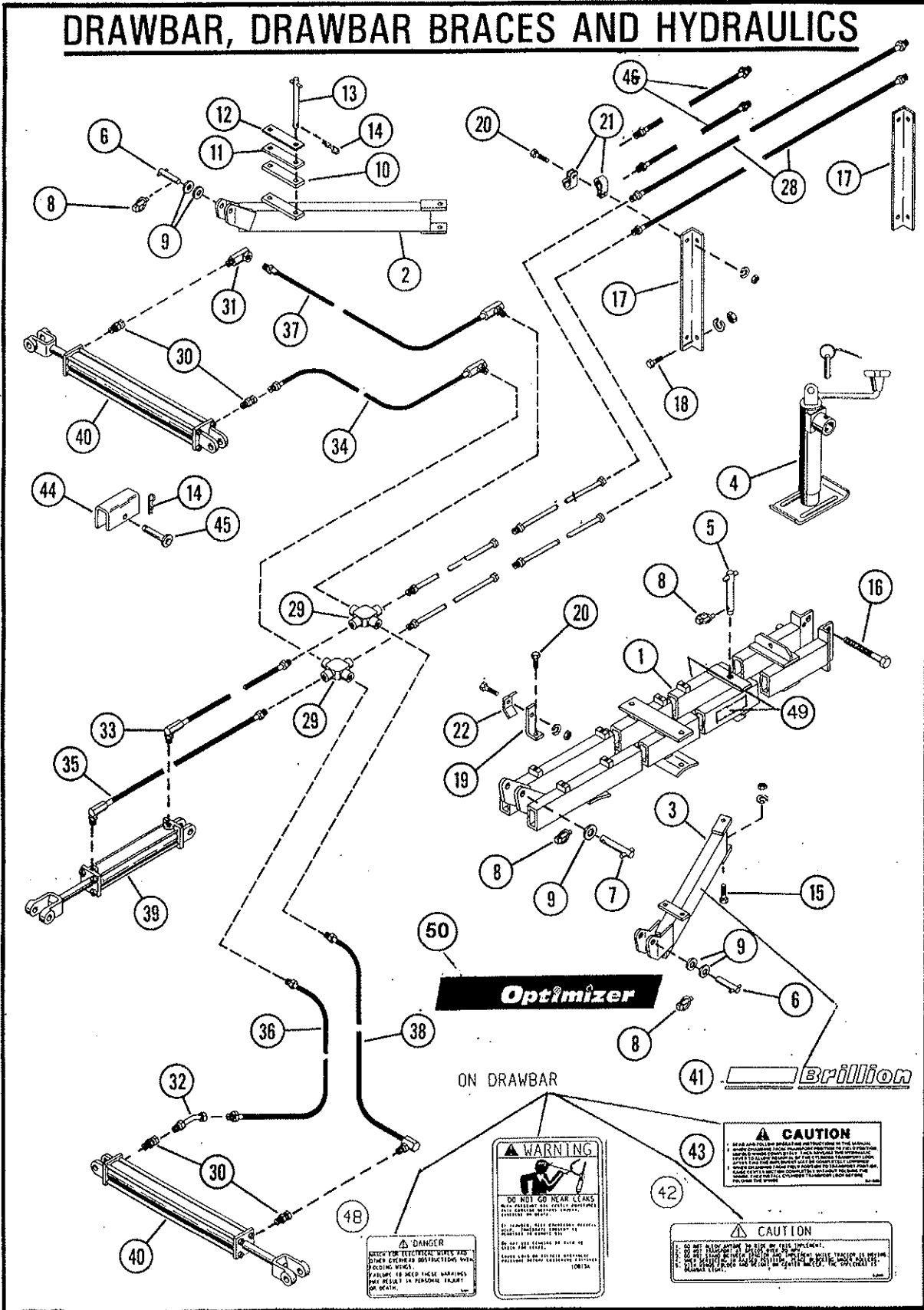


CENTER FRAME & AXLE				
Index No.	Part No.	Description	No. Req'd	Weight
1	5J680	Center Frame	1	635.0
2	5J717	Transport Axle, 12 Ft. Complete	1	233.0
3	6D274	Axle Bearing	3	6.4
4	6D309	Axle Bearing w/ Grease Fitting	3	5.5
5	8D400	Bolt, 5/8-11NC x 10 1/2" Long, Gr. 5	6	1.0
	1B166	Lockwasher, 5/8" med.	6	-
	1C392	Nut, 5/8-11 NC Hex	6	-
6	6D312	Wheel, 15" - 6 Bolt	4	24.0
7	5C100	Wheel Bolt	24	.1
8	6D338	Seal (National #200335)	4	.1
9	5C480	Bearing Cone (Timken #LM48548)	4	.2
10	5C479	Bearing Cup (Timken #LM48510)	4	.2
11	6D336	Wheel Hub	4	10.5
12	5C914	Bearing Cup (Timken #LM67010)	4	.2
13	5C913	Bearing Cone (Timken #LM67048)	4	.2
14	1C871	Flat Washer (1" SAE)	6	-
15	6D284	Slotted Nut (1"-14NF Hex)	4	.1
16	6D337	Hub Cap	4	.2
17	----	----		
18	----	----		
	1C210	Nut, 3/4-10NC Hex (Only with 7' Wing)	4	-
19	5J759	Stop	1	12.7
20	5C460	Capscrew, 5/8-11NC x 2" Long	2	.2
	1B166	Lockwasher, 5/8" med.	2	-
	1C392	Nut, 5/8-11 NC Hex	2	-
21	4K036	Decal "Brillion"	1	-
22	3J675	Decal, "Danger...Stand Clear"	4	-
23	3J678	Decal, "Danger...Bleed Air"	1	-
24	5J768	Pin, 1" Dia. x 5 1/16" Long (Manual Lock Only)	1	-
25	4C858	Roll Pin, 1" Dia. x 2" Long (Manual Lock Only)	2	-
*	2J526	Spacer Ring 1/8" Thick (with XLWC-144 Wings)	24	.3
26	5J801	Operator's Manual	1	-
27	2J430	Decal, Reflective Red	2	-
28	2J431	Decal, Reflective Amber	2	-



CENTER WHEELS & AXLES				
Index No.	Part No.	Description	No. Req'd	Weight
1	A-46	Wheel, 18"	32	32.0
	A-86	End Wheel, 18"	2	32.0
2	3C971	Center Wheel, 18"	2	39.0
3	1D938	Crowfoot Wheel, Gray Iron	20	46.9
	6K196	Crowfoot Wheel, Ductile w/ 4 9/16" I.D.	20	39.0
	1D939	L.H. Crowfoot Wheel	2	43.1
	1D940	R.H. Crowfoot Wheel	2	42.6
4	3J619	Wheel, 20" Notched - Gray Iron	32	41.0
	6J707	Wheel, 20" Notched - Ductile	32	43.0
	3J620	End Wheel, 20" Notched - Gray Iron	4	50.0
	6J708	End Wheel, 20" Notched - Ductile	4	51.0
5	A-33	Sprocket (Optional)	34	16.0
	4K775	Sprocket (Optional - for use with 3J619 & 6J707)	34	15.8
6	1C290	U-Bolt (4 Required on XL-144)	2	.5
	1C314	Lockwasher, 7/16" Med. (8 Req'd on XL-144)	4	-
	1C179	Nut, 7/16-14NC Hex (8 Req'd on XL-144)	4	-
7	A-87	Axle Clamp	2	-
8	2J515	Flanged Housing	2	2.5
9	2J516	Bearing	2	2.2
*	2J417	Bearing Assembly (2J515 & 2J516 Assembled)	2	4.7
10	5D051	Capscrew, 1/2-13NC x 1 3/4" Long, Gr. 5	8	.1
	1C109	Lockwasher, 1/2" Med.	8	-
	1C390	Nut, 1/2-13NC Hex	8	-
11	5J760	Shaft Assembly	2	109.0
12	9C016	Bearing	2	2.2
*	2J399	Center Bracket Assembly (items 13-17)	1	18.0
13	3J857	Center Bracket	1	16.0
14	9D669	Straight Axle Mount	2	.9
15	3J860	Drilled Bolt, 5/8-11NC x 7 1/2" Long Gr. 5	1	.7
16	4D529	Slotted Nut, 5/8-11NC Hex	1	-
17	2C864	Cotter Pin, 1/8 x 1" Long	1	-
18	6D476	Capscrew, 5/8-11NC x 2 1/4" Long, Gr. 5	2	-
	1B166	Lockwasher, 5/8" Med.	10	-
	1C392	Nut, 5/8-11NC Hex	10	-
*	2J526	Spacer Ring 1/8" Thick (with XLWC-144 Wings)	24	.3
19	9J808	End Wheel, 20" Notched, Ductile	36	30.0
20	3K712	20" Crowfoot Wheel (8 Lug)	24	27.0
21	3K735	Spacer	22	3.0
22	6K353	Optimizer Wheel, 20", 4 1/2" bore	20	49.0
	6K354	Optimizer End Wheel, 20", 4 1/2" bore	4	45.0

# DRAWBAR, DRAWBAR BRACES AND HYDRAULICS



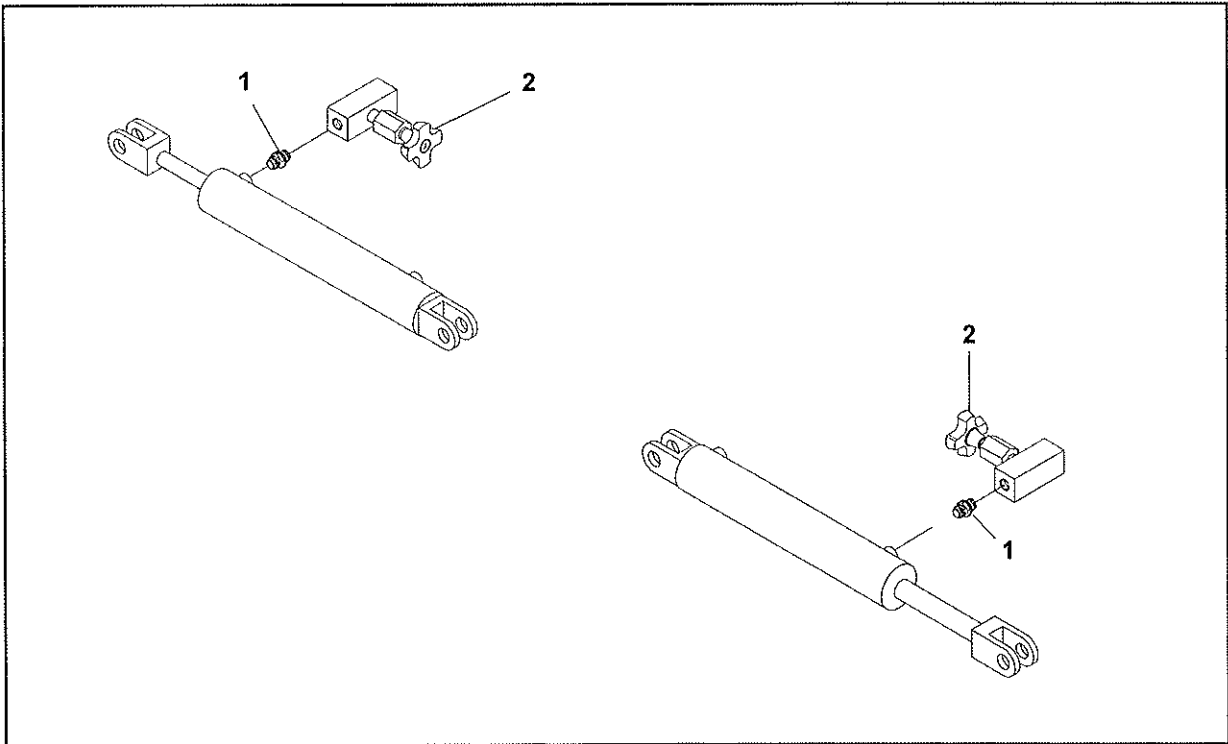
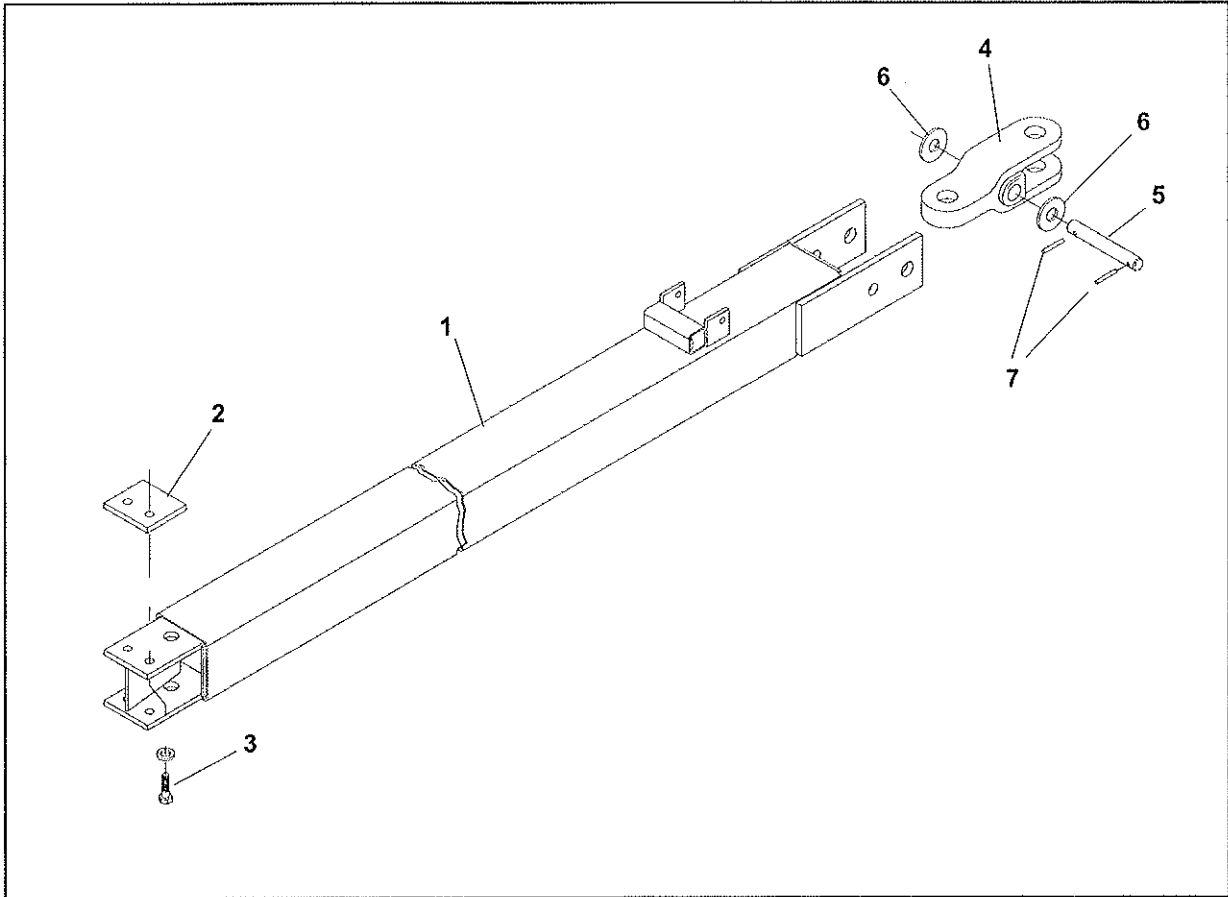
DRAWBAR, DRAWBAR BRACES AND HYDRAULICS				
Index No.	Part No.	Description	No. Req'd	Weight
1	5J691	Drawbar	1	351.0
2	5J707	L. H. Brace	1	73.0
3	5J708	R. H. Brace	1	73.0
4	4J867	Jack	1	17.0
	6K458	Replacement Pin, 9/16" with chain & screw	1	.36
5	5J765	Pin, 1" Dia. x 9 1/4"	1	2.0
6	5J858	Pin, 1" Dia. x 6 3/4" Long	2	1.5
7	5J856	Pin, 1" dia. x 8 3/16" Long	1	1.8
8	5D110	Klik Pin	4	-
9	1C871	Washer, 1" SAE	6	.1
10	5J711	Stop, 1/2"	12	2.0
11	5J709	Stop, 1/4"	2	1.0
12	5J710	Stop, 1/8"	2	.5
13	5J775	Pin, 5/8" Dia. x 11 5/8" Long	4	1.0
14	4C856	Hair Pin	5	-
15	1D424	Capscrew, 3/4-10 NC x 2" Long	4	.4
	1C211	Lockwasher, 3/4 med.	4	-
	1C210	Nut, 3/4-10 NC Hex	4	.1
16	1J523	Bolt, 3/4-10 NC x 8" Long	2	1.1
	6C729	Locknut, 3/4-10 NC Hex	2	.1
17	5J770	Hose Holder	2	3.9
18	1D237	Capscrew, 1/2-13 NC x 2" Long	2	1
	1C109	Lockwasher, 1/2 medium	2	-
	1C390	Nut, 1/2-13 NC Hex	2	-
19	5J771	Clamp	6	1.0
20	6D037	Capscrew, 5/16-18 NC x 1" Long	-	-
	1C362	Lockwasher, 5/16 medium	-	-
	1C385	Nut, 5/16-18 NC Hex	-	-
21	3J614	Hose Clamp	-	-
22	9D283	Clamp	-	.2
23	-	-	-	-
24-26	-	-	-	-
27	-	-	-	-
28	6D725	Hydraulic Hose 180"	2	6.9
29	6D147	Cross	2	1.0
30	6D716	Flow Restrictor	4	.3
31	1J131	90° Swivel Fitting	1	.3
32	5J864	45° Swivel Fitting	1	.3
33	3J545	Hydraulic Hose 30"	1	1.0
34	2D448	Hydraulic Hose 48"	1	1.3
35	3J543	Hydraulic Hose 42"	1	1.4
36	4D980	Hydraulic Hose 66"	1	2.5
37	8D159	Hydraulic Hose 72"	1	2.7
38	9D764	Hydraulic Hose 96"	1	3.7
39	9D524	Hydraulic Cylinder 16" Stroke	1	35.0
40	6J216	Hydraulic Cylinder 3 x 30 (7' to 9' Wings)	2	53.0
	5J830	Hydraulic Cylinder 4 x 30 (10' to 12' wings)	2	77.0
41	4K036	Decal, "Brillion"	2	-
42	5J859	Decal, Caution	1	-

Continued on the following page...

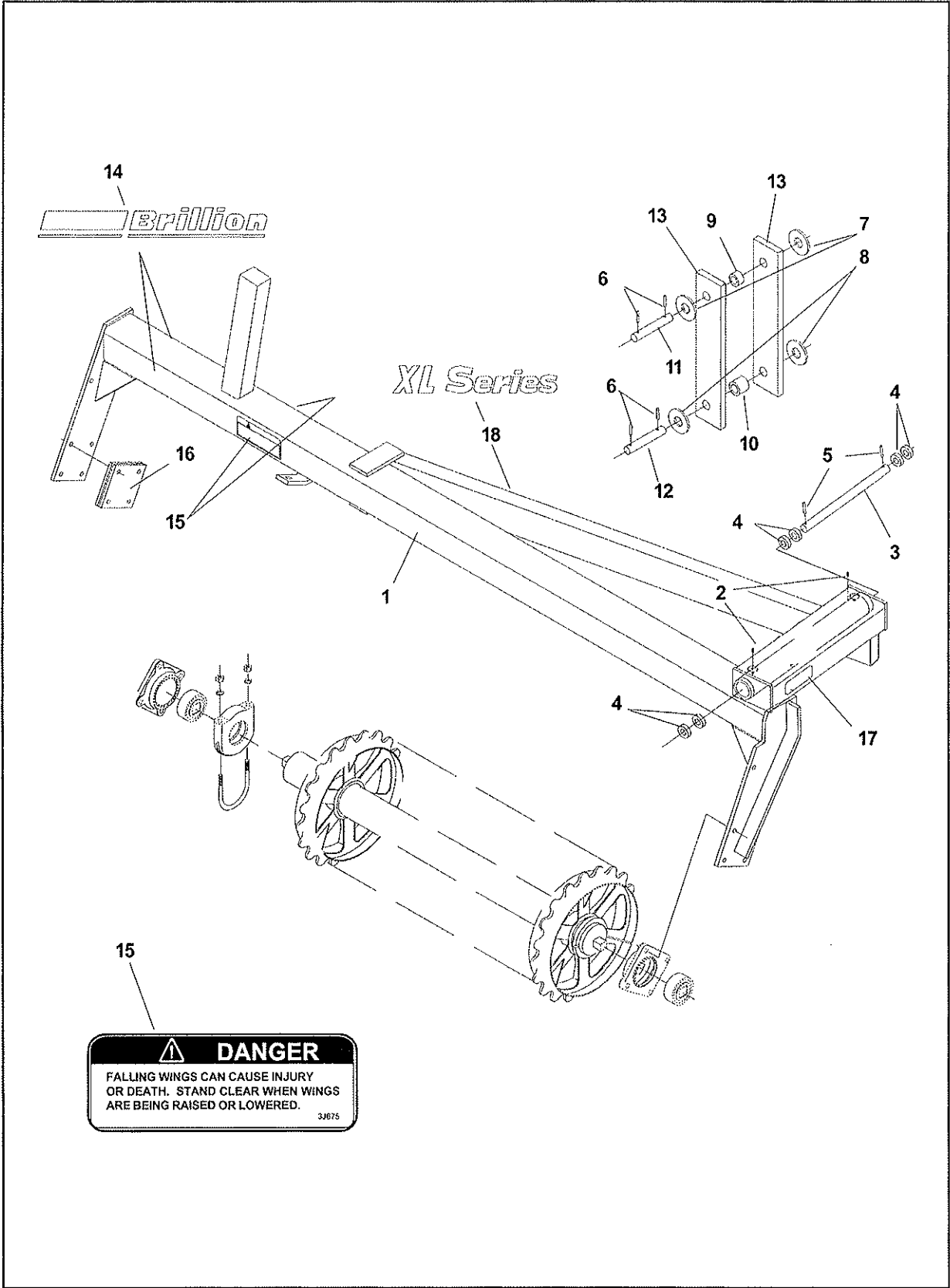



DRAWBAR, DRAWBAR BRACES AND HYDRAULICS (cont'd)				
Index No.	Part No.	Description	No. Req'd	Weight
43	5J860	Decal, Caution	1	-
44	6J192	Storage Lock	1	3.0
45	8C520	Pin, 1/2" Dia. x 2 1/2" Long	1	-
46	7J346	Hydraulic Hose 251" (Replaces items 27 & 28, Order clamps & Hardware as Required)	2	9.5
47	3K706	Decal, Warning-Hydraulic Leaks	1	-
48	9J629	Danger Electrical Wires	1	-
49	2J431	Decal, Amber Reflective	2	-
50	6K657	Decal, Optimizer (Optimizer Models Only)	2	-





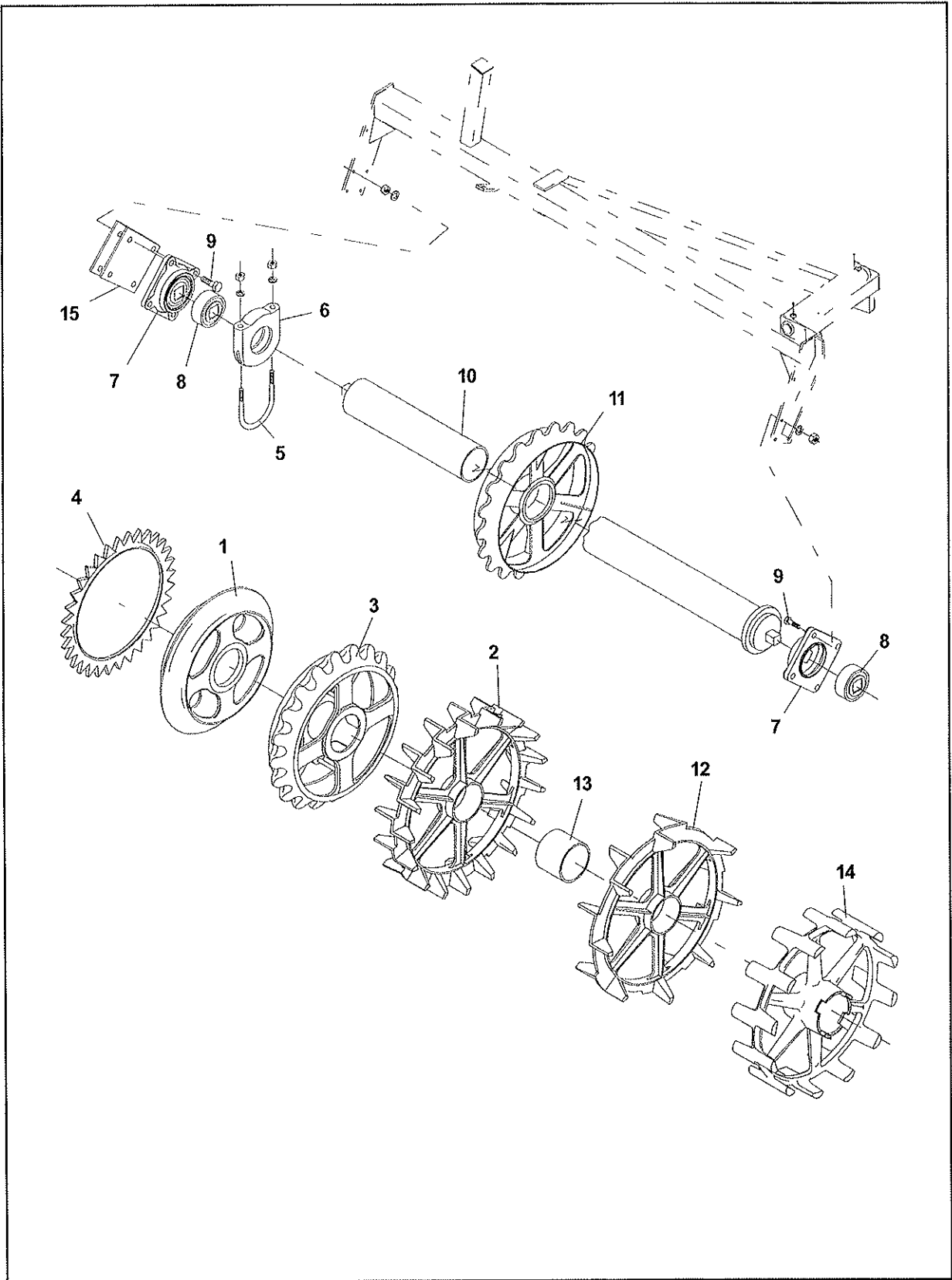
TELESCOPING DRAWBAR				
Index No.	Part No.	Description	No. Used	Weight
1	5J699	Drawbar	1	174.0
2	5J767	Stop	2	2.6
3	5J836	Capscrew 3/4"-10 NC x 1-1/4" long	4	.3
	1C211	Lockwasher 3/4 med.	4	-
4	2J858	Hitch	1	29.0
5	3J496	Pin 1-1/4" dia. x 8-3/4" long	1	3.0
6	6C406	Washer 1-1/4" SAE	2	.2
7	4C858	Roll Pin 5/16" x 2" long	2	
MANUAL VALVE KIT (OPTIONAL)				
1	6D148	Nipple 1/2 NPTF	2	-
2	6J193	Hand Shutoff Valve	2	2.5




**DANGER**  
 FALLING WINGS CAN CAUSE INJURY  
 OR DEATH. STAND CLEAR WHEN WINGS  
 ARE BEING RAISED OR LOWERED.  
3J675

**WING FRAMES: 8-FOOT THROUGH 11-FOOT SIZES**

Index No.	Part No.	Description	No. Used/Wing Size				Weight
			8'	9'	10'	11'	
1	5J738	L.H. Wing (Shown)	1				318.0
	5J739	R.H. Wing	1				321.0
	5J740	L.H. Wing (Shown)		1			330.0
	5J741	R.H. Wing		1			333.0
	5J742	L.H. Wing (Shown)			1		420.0
	5J743	R.H. Wing			1		423.0
	5J744	L.H. Wing (Shown)				1	439.0
	5J745	R.H. Wing				1	442.0
2	5J748	Grease Fitting Alemite #1669-B	4	4	4	4	-
3	5J762	Hinge Pin 2" x 31-1/2" Long	2	2	2	2	28.0
4	1D168	Machinery Bushing	12	12	12	12	.1
5	5D979	Roll Pin, 1/2" Dia. x 3" Long	4	4	4	4	-
6	4C858	Roll Pin, 5/16" Dia. x 2" Long	8	8	8	8	-
7	1C871	Washer, 1" SAE	12	12	12	12	.1
8	6C406	Washer 1-1/4" SAE	4	4	4	4	.2
9	5J535	Roller	2	2	2	2	1.8
10	5J780	Spacer	2	2	2	2	.5
11	5J768	Pin, 1" Dia. x 5-1/2" Long	2	2	2	2	1.2
12	5J769	Pin, 1-1/4" Dia. x 7-3/16" Long	2	2	2	2	2.5
13	5J766	Link	4	4	4	4	20.0
14	4K036	Decal, "Brillion"	4	4	4	4	-
15	3J675	Decal, "Danger...Stand Clear"	4	4	4	4	-
16	9J304	Shim Plate	4	4	4	4	1.7
17	2J431	Decal, Reflective Amber	2	2	2	2	-
18	4K157	Decal, "XL Series"	2	2	2	2	-
		* = Not Shown					

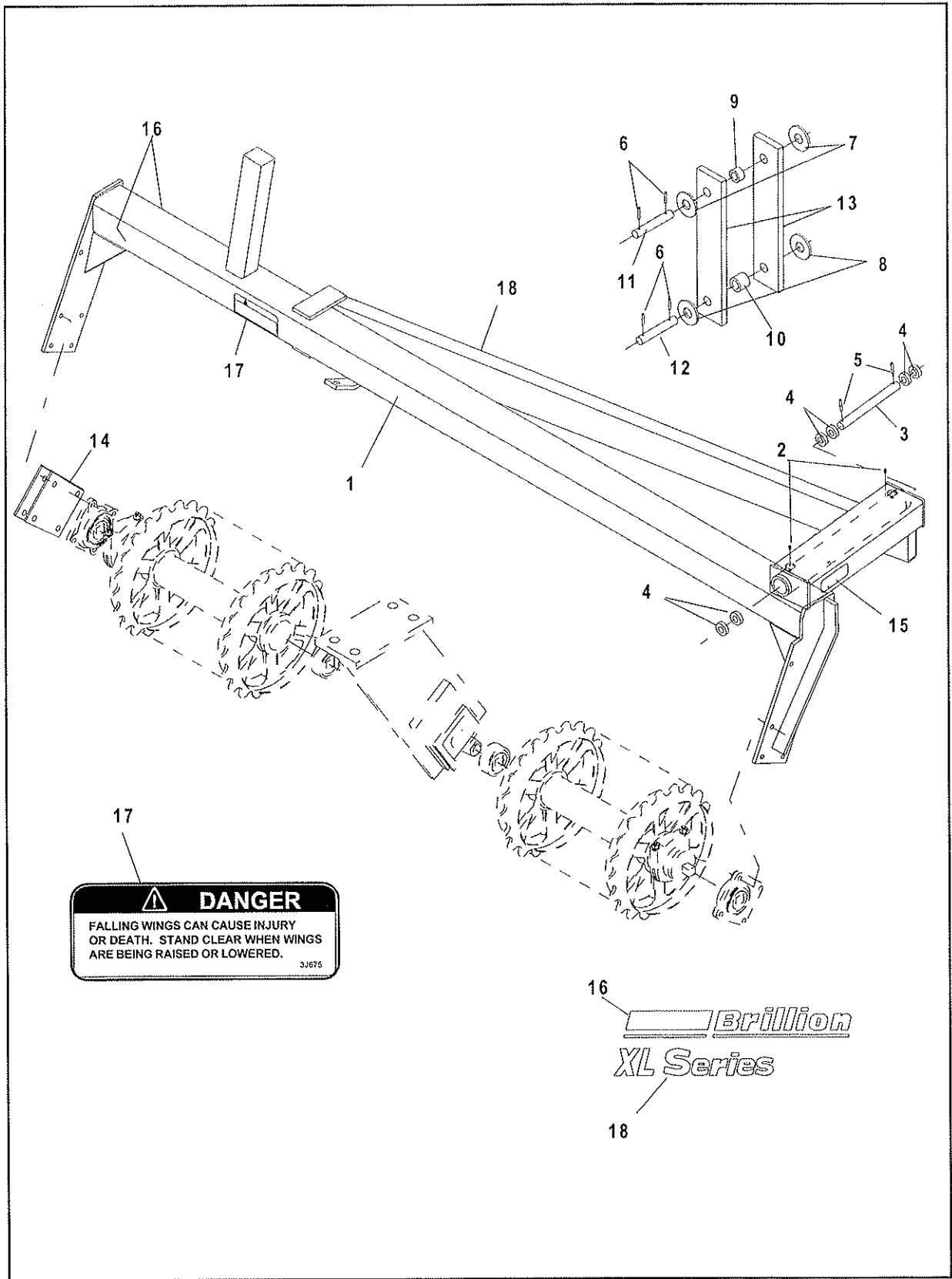


### WING WHEELS & AXLES: 8-FT THROUGH 11-FT SIZES

Index No.	Part No.	Description	No. Used Wing Size				'Weight
			8'	9'	10'	11	
1	A-46	Wheel, 18"	44	50	56	62	32.0
	A-86	End Wheel, 18"	4	4	4	4	32.0
2	1D938	Crowfoot Wheel, Gray Iron	28	32	36	40	46.9
	6K196	Crowfoot Wheel, Ductile w/ 4 9/16" I.D. Bore	28	32	36	40	39.0
	1D939	L.H. Crowfoot Wheel	2	2	2	2	43.1
	1D940	R.H. Crowfoot Wheel	2	2	2	2	42.6
3	3J619	Wheel, 20" Notched - Gray Iron	44	50	56	62	41.0
	6J707	Wheel, 20" Notched - Ductile	44	50	56	62	43.0
	3J620	End Wheel, 20" Notched - Gray Iron	4	4	4	4	50.0
	6J708	End Wheel, 20" Notched - Ductile	4	4	4	4	51.0
4	A-33	Sprocket (Optional)	46	52	58	64	16.0
	4K775	Sprocket, (Optional-for use w/ 3J619 & 6J707)	46	52	58	64	15.8
5	1C290	U-Bolt	2	2	2	2	.5
	1C314	Lockwasher, 7/16 Med.	4	4	4	4	-
	1C179	Nut, 7/16-14NC Hex	4	4	4	4	-
6	A-87	Axle Clamp	2	2	2	2	4.3
7	2J515	Flanged Housing	4	4	4	4	2.5
8	2J516	Bearing	4	4	4	4	2.2
*	2J417	Bearing Assembly (2J515 & 2J516)	4	4	4	4	4.7
9	5D051	Capscrew, 1/2-13NC x 1-3/4 Long	16	16	16	16	.1
	1C109	Lockwasher, 1/2" Med.	16	16	16	16	-
	1C390	Nut, 1/2-13NC Hex	16	16	16	16	-
10	2J376	Shaft Assembly	2				114.0
	2J375	Shaft Assembly		2			124.0
	2J374	Shaft Assembly			2		134.0
	2J373	Shaft Assembly				2	144.
*	2J526	Spacer Ring, 1/8" Thick (with wing crowfoot axles only)	32	36	40	44	.3
11	9J808	End Wheel, 20" Notched, Ductile	48	54	60	66	30.0
12	3K712	20" Crowfoot Wheel (8 Lug)	32	36	40	44	27.0
13	3K735	Spacer	30	34	38	22	3.0
14	6K353	Optimizer Wheel, 20", 4 1/2" bore	28	32	36	40	49.0
	6K354	Optimizer End Wheel, 20", 4 1/2" bore	4	4	4	4	45.0
15	9J304	Shim Plate	4	4	4	4	1.7

\* = Not Shown

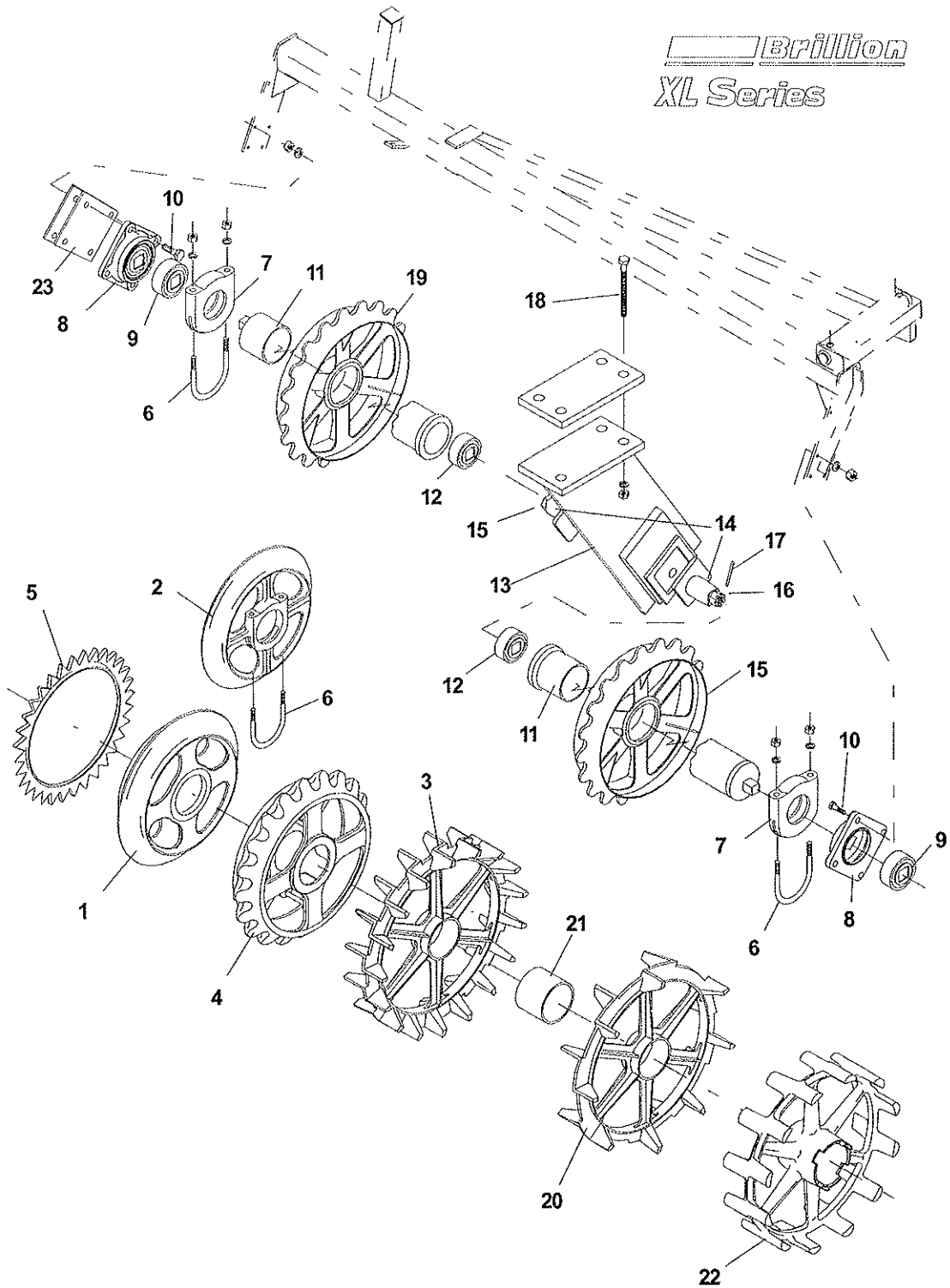




**WING FRAME: 12-FOOT SIZE**

Index No.	Part No.	Description	No. Req'd	Weight
1	5J746	L.H. Wing (Shown)	1	465.0
	5J747	R.H. Wing	1	468.0
2	5J748	Grease Fitting Alemite 1669-B	4	-
3	5J762	Hinge Pin, 2" Dia. x 31-1/2" Long	2	28.0
4	1D168	Machinery Bushing	12	.3
5	5D979	Roll Pin, 1/2" Dia. x 3" Long	4	-
6	4C858	Roll Pin 5/16" Dia. x 2" Long	8	-
7	1C871	Washer, 1" SAE	4	.1
8	6C406	Washer, 1-1/4" SAE	4	.2
9	5J535	Roller	2	1.8
10	5J780	Spacer	2	.5
11	5J768	Pin, 1" Dia. x 5-1/2" Long	2	1.2
12	5J769	Pin, 1-1/4" Dia. x 7-3/16" Long	2	2.5
13	5J766	Link	4	20.0
14	9J304	Sim Plate	4	1.7
15	2J431	Decal, Reflective Amber	4	-
16	4K036	Decal, "Brillion"	2	-
17	3J675	Decal, "Danger...Stand Clear"	2	-
18	4K157	Decal, "XL Series"	2	--
		* = Not Shown		

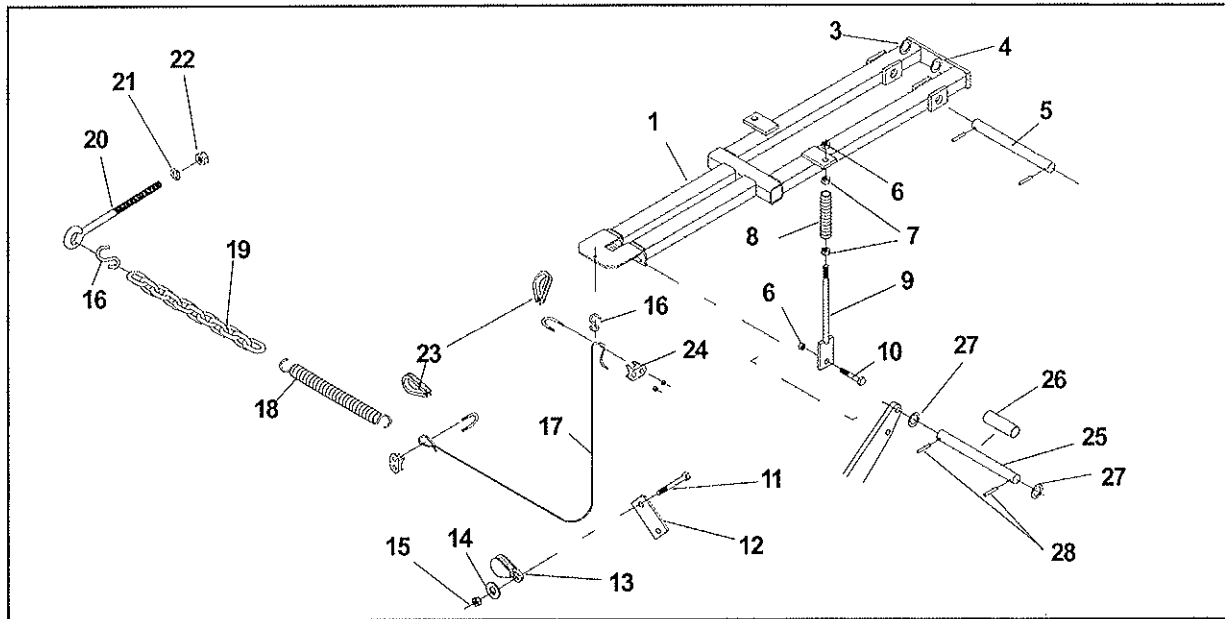
**Brillion**  
**XL Series**



**WING WHEELS & AXLES: 12-FOOT SIZE**

Index No.	Part No.	Description	No. Req'd	Weight
1	A-46	Wheel, 18"	32	32.0
	A-86	End Wheel, 18"	2	32.0
2	3C971	Center Wheel, 18"	2	39.0
3	1D938	Crowfoot Wheel, Gray Iron	20	46.9
	6K196	Crowfoot Wheel, Ductile w/ 4 9/16" I.D.	20	39.0
	1D939	L.H. Crowfoot Wheel	2	43.1
	1D940	R.H. Crowfoot Wheel	2	42.6
4	3J619	Wheel, 20" Notched - Gray Iron	32	41.0
	6J707	Wheel, 20" Notched - Ductile	32	43.0
	3J620	End Wheel, 20" Notched - Gray Iron	4	50.0
	6J708	End Wheel, 20" Notched - Ductile	4	51.0
5	A-33	Sprocket (Optional)	34	16.0
	4K775	Sprocket (Optional - for use with 3J619 & 6J707)	34	15.8
6	1C290	U-Bolt (4 Required on XL-144)	2	.5
	1C314	Lockwasher, 7/16" Med. (8 Req'd on XL-144)	4	-
	1C179	Nut, 7/16-14NC Hex (8 Req'd on XL-144)	4	-
7	A-87	Axle Clamp	2	-
8	2J515	Flanged Housing	2	2.5
9	2J516	Bearing	2	2.2
*	2J417	Bearing Assembly (2J515 & 2J516 Assembled)	2	4.7
10	5D051	Capscrew, 1/2-13NC x 1 3/4" Long, Gr. 5	8	.1
	1C109	Lockwasher, 1/2" Med.	8	-
	1C390	Nut, 1/2-13NC Hex	8	-
11	5J760	Shaft Assembly	2	109.0
12	9C016	Bearing	2	2.2
*	5J755	Center Bracket Assembly	1	18.0
13	5J754	Center Bracket	1	16.0
14	9D669	Straight Axle Mount	2	.9
15	3J860	Drilled Bolt, 5/8-11NC x 7 1/2" Long Gr. 5	1	.7
16	4D529	Slotted Nut, 5/8-11NC Hex	1	-
17	2C864	Cotter Pin, 1/8 x 1" Long	1	-
18	9C059	Capscrew, 5/8-11NC x 7" Long, Gr. 5	2	-
	1B166	Lockwasher, 5/8" Med.	10	-
	1C392	Nut, 5/8-11NC Hex	10	-
*	2J526	Spacer Ring 1/8" Thick (with XLWC-144 Wings)	24	.3
19	9J808	End Wheel, 20" Notched, Ductile	36	30.0
20	3K712	20" Crowfoot Wheel (8 Lug)	24	27.0
21	3K735	Spacer	22	3.0
22	6K353	Optimizer Wheel, 20", 4 1/2" bore	40	49.0
	6K354	Optimizer End Wheel, 20", 4 1/2" bore	4	45.0
23	9J304	Shim Plate	4	1.7

\* = Not Shown

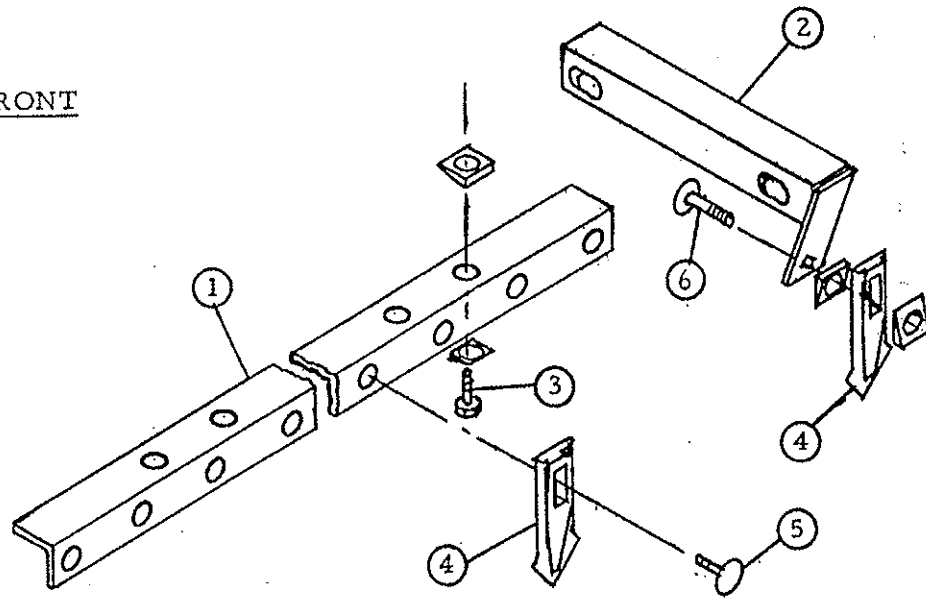


AUTOMATIC TRANSPORTLOCK

Index No.	Part No.	Description	No. Req'd	Weight
1	7J975	Transport Lock [7J006] Assem. ( items 1, 4 &5)	1	45.0
-	---	-----	-	-
3	7C076	Machinery Bushing, 1" x 14 ga.	2	-
4	7C120	Machinery Bushing, 1" x 18 ga.	-	-
5	3J647	Pin, 1" x 10 3/4"	1	2.5
*	1C659	Roll Pin, 1/4" x 1 1/2"	-	-
6	5C392	Locknut, 1/2-13 NC	4	-
7	1C120	Flat Washer, 1/2" Std.	4	-
8	6J825	Compression Spring	2	-
9	6J816	Spring Holder	2	-.9
10	8C527	Capscrew, 1/2-13 NC x 1 3/4" Long	2	-
11	6D037	Capscrew, 5/16-18 NC x 1" Long grade 5	1	-
12	7J011	Strap	1	.5
13	6J821	Swivel Pulley	1	-
14	3C127	Flat Washer, 5/16" Std.	1	-
15	6C748	Locknut, 5/16-18 NC	1	-
16	6J820	S-Hook	2	-
17	7J012	3/16" Cable x 34" Long	1	-
18	7D062	Extension Spring	1	1.0
19	3J951	Chain, 3/16" x 20 Links	1	-
20	6J819	Eye Bolt, 5/16-18 NC	1	-
21	1C362	Lockwasher, 5/16" medium	1	-
22	1C385	Nut, 5/16-18 NC	1	-
23	7J002	3/16" Cable Thimble	2	-
24	7J003	3/16" Cable Clamp	2	-
25	6J817	Pin, 1" Dia. x 7 7/8" Long	1	1.7
26	6J831	Tube, 1" I.D. x 2 7/8" Long	2	-
27	1C871	Flat Washer, 1" SAE	2	-
28	1C174	Roll Pin, 3/16" x 2" Long	2	-
		NOTE: Transport Lock Lingage May Be Ordered Assembled as follows:		
	7J013	Transport Lock Linkage (Includes Items 11 thru 24)		

**SCRAPER KITS FOR BRILLION FOLDING WING PULVERIZERS**  
**BRILLION IRON WORKS, BRILLION, WI.**  
**INSTRUCTIONS FOR XL-144 CENTER FRAMES**  
**WITH 18" SMOOTH WHEELS**

FRONT



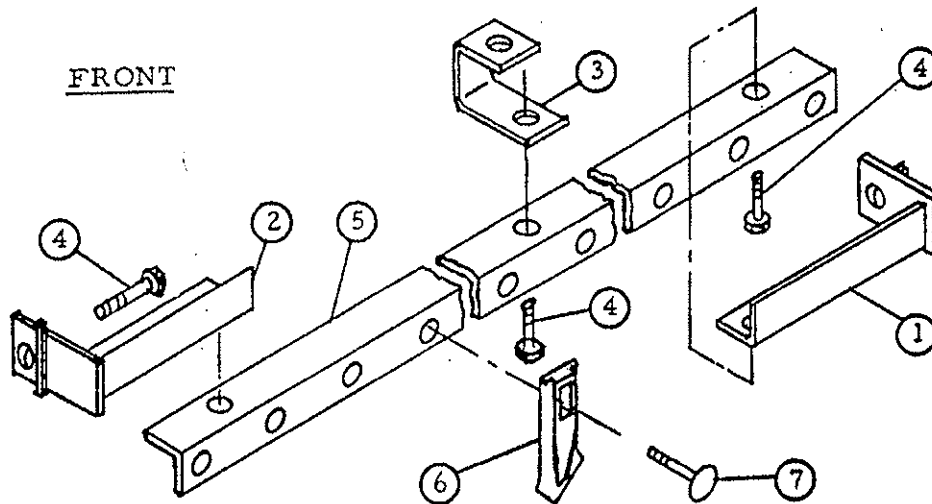
**PARTS LISTING (FOR CENTER FRAME ONLY)**

Index No.	Part No.	Description	No. Req'd.	Weight
1	4C-504	Scraper Angle, 67" Long	2	17.8
2	5J-796	Scraper Bracket	1	4.2
3	5D-51	Capscrew, 1/2-13 NC x 1-3/4" Long	4	
	7C-22	Bevel Washer	8	
	1C-120	Flat Washer 1/2	4	
	1C-109	Lock Washer 1/2 Medium	4	
	1C-390	Nut, 1/2-13 NC, Hex	4	
4	3C-533	Scraper	35	.72
5	3C-734	Carriage Bolt, 3/8-16 NC x 1-1/2" Long	34	
	1C-183	Lockwasher 3/8 Medium	35	
	1C-277	Nut, 3/8-16 NC, Hex	35	
6	3D-931	Carriage Bolt, 3/8-16 NC x 1-3/4" Long	1	
	7C-22	Bevel Washer	2	

**ASSEMBLY PROCEDURE**

1. Fasten all the scrapers to the scraper angle bars with ribbed side away from angle.
2. Bolt the 5J-796 scraper bracket to the center bracket angle on frame.
3. Attach the scraper and angle assemblies to the bottom of the angle iron clips welded to the bottom of center frame.
4. Adjust the scrapers to a desired height while the rollers are resting on a flat surface.

**SCRAPER KITS FOR BRILLION FOLDING WING PULVERIZERS  
FOR XLW-84 THRU XLW-144 WING SETS WITH 18" SMOOTH WHEELS**

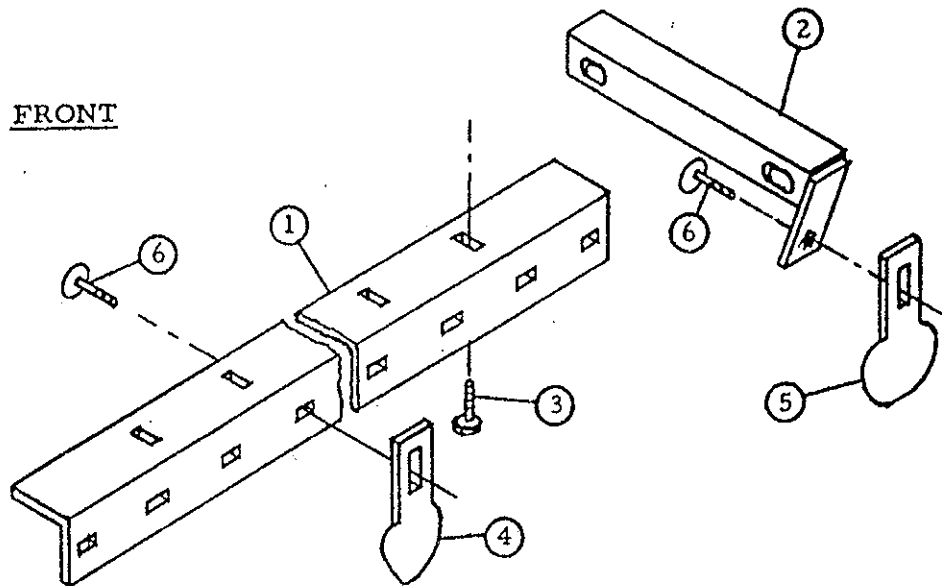


Index No.	Part No.	Description	No. Req'd.	Weight			
1	2J-533	R. H. Angle Assembly	2	4.0			
2	2J-534	L. H. Angle Assembly	2	4.0			
3	5J-793	Strap (Center Support on 10 Ft. to 12 Ft. Wings)	0 ( 2)	1.5			
4	5D-51	Capscrew 1/2-13 NC x 1-3/4 Long	8 (12)	.1			
	1C-120	Flat washer, 1/2 (10 Ft. to 12 Ft. Wings)	0 ( 2)				
	1C-109	Lockwasher, 1/2 Med. (10 Ft. to 12 Ft. Wings)	8 (12)				
	1C-390	Nut, 1/2-13 NC Hex (10 Ft. to 12 Ft. Wings)	8 (12)				
5	4C-505	Scraper Angle 79" Long 7 Ft. Wings	2	21.0			
	4C-506	Scraper Angle 91" Long 8 Ft. Wings	2	24.0			
	4C-507	Scraper Angle 103" Long 9 Ft. Wings	2	27.0			
	4C-508	Scraper Angle 115" Long 10 Ft. Wings	2	31.0			
	4C-509	Scraper Angle 127" Long 11 Ft. Wings	2	34.0			
	5J-790	Scraper Angle 139" Long 12 Ft. Wings	2	37.0			
6	3C-533	Scraper	*	.72			
7	3C-734	Carriage Bolt, 3/8-16 NC x 1-1/2 Long	*				
	1C-183	Lockwasher, 3/8 Medium	*				
	1C-277	Nut, 3/8-16 NC Hex	*				
*	Wing Size	7 Ft.	8 Ft.	9 Ft.	10 Ft.	11 Ft.	12 Ft.
	No. For 2 Wings	40	46	52	58	64	70

**ASSEMBLY PROCEDURE**

1. Fasten all the scrapers to the scraper angle bar, as shown with ribbed side away from angle.
2. Bolt a 2J-533 & 2J-534 angle assembly to the ends of the scraper bars.
3. On 10 ft. to 12 ft. wings bolt on the 5J-793 center support strap.
4. Attach the scraper and angle assemblies to the rear side of the wing end plates in the holes provided.
5. Adjust the scraper to a desired height while the rollers are resting on a flat surface.

**SCRAPER KITS FOR BRILLION FOLDING WING PULVERIZERS**  
**BRILLION IRON WORKS, BRILLION, WI.**  
**INSTRUCTIONS FOR XLH-144 CENTER FRAME**  
**WITH 20" NOTCHED WHEELS**



**PARTS LISTING (FOR CENTER FRAME ONLY)**

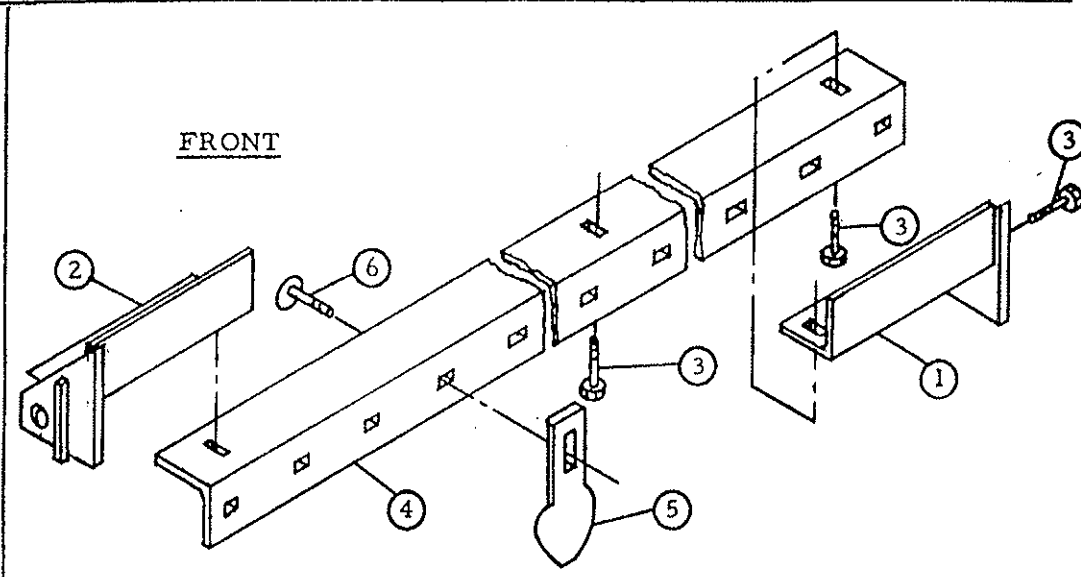
Index No.	Part No.	Description	No. Req'd	Weight
1	4J-2	Scraper Angle, 67" Long	2	34.0
2	5J-796	Scraper Bracket	1	4.2
3	5D-51	Capscrew, 1/2-13 NC x 1-3/4" Long	4	.1
	1C-120	Flat Washer, 1/2	8	
	1C-109	Lock Washer 1/2 Medium	4	
	1C-390	Nut, 1/2-13 NC, Hex	4	
4	2D-110	Scraper	34	1.0
5	3D-627	Center Scraper	1	1.3
6	3J-595	Carriage Bolt, 3/8-16 NC x 1-1/2 Lg. Gr. 5	35	
	1C-182	Flat Washer 3/8	35	
	1C-183	Lock Washer 3/8 Medium	35	
	1C-277	Nut, 3/8-16 NC Hex	35	

**ASSEMBLY PROCEDURE**

1. Fasten all the scrapers to the scraper angle bars as shown above with ribbed side against angle.
2. Bolt the 5J-796 scraper bracket to the center bracket angle on frame.
3. Attach the scraper and angle assemblies to the bottom of the angle iron clips welded to the bottom of center frame.
4. Adjust the scrapers to a desired height while the rollers are resting on a flat surface.



**SCRAPER KITS FOR BRILLION FOLDING WING PULVERIZER  
FOR XLWH-84 THRU XLWH-144 WING SETS WITH 20" NOTCHED WHEELS**

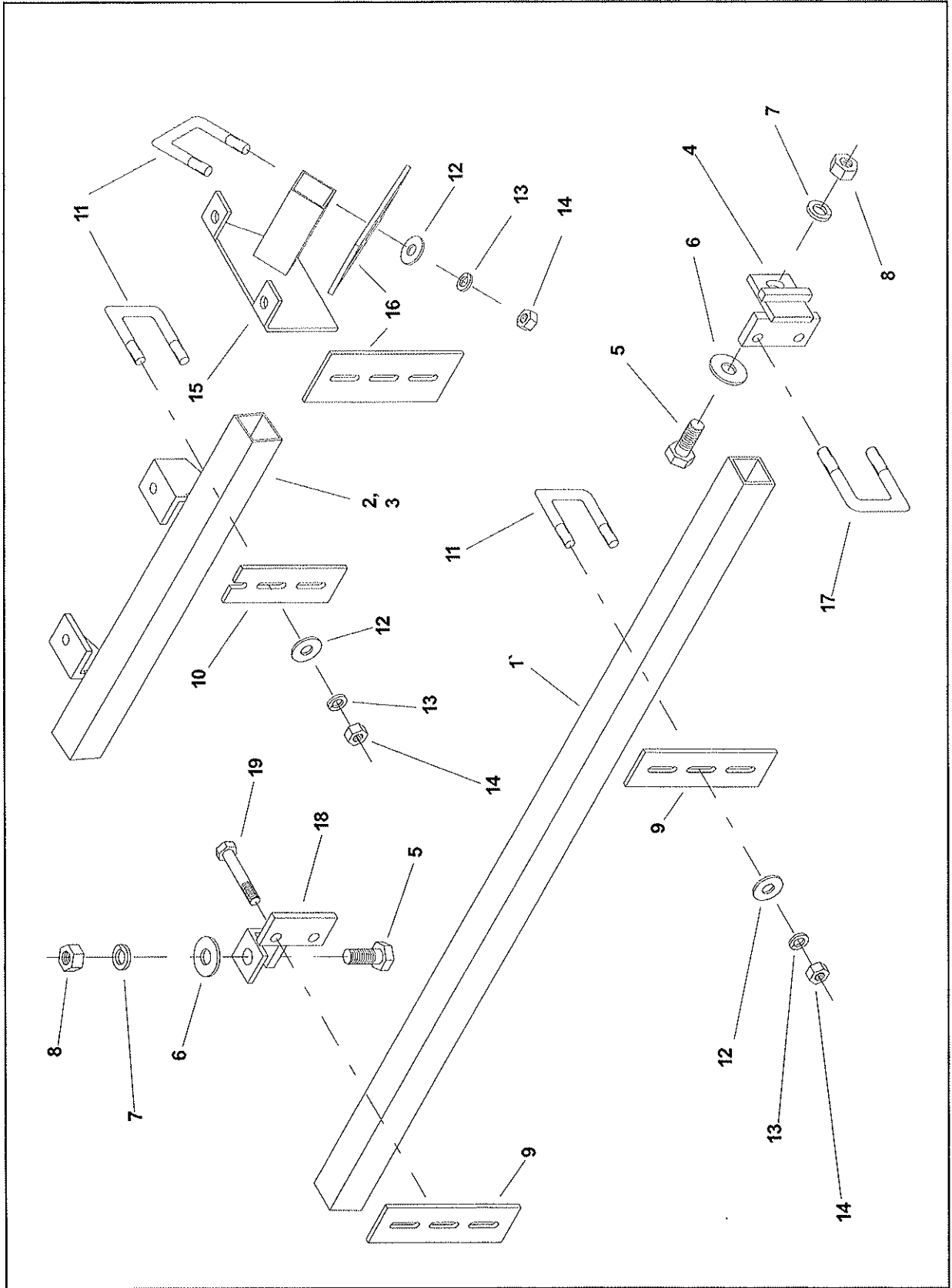


**PARTS LISTING (FOR WING FRAMES ONLY)**

Index No.	Part No.	Description	No. Req'd.	Weight			
1	5J-799	R. H. Angle Assembly	2	7.0			
2	5J-800	L. H. Angle Assembly	2	7.0			
3	5D-51	Capscrew, 1/2-13 NC x 1-3/4 Lg. (10' to 12' Wings)	8 (10)	.1			
	1C-120	Flat Washer 1/2 (10' to 12' Wings)	8 (12)				
	1C-109	Lockwasher 1/2 Medium (10' to 12' Wings)	8 (10)				
	1C-390	Nut, 1/2-13 NC Hex (10' to 12' Wings)	8 (10)				
4	4J-3	Scraper Angle 79" Long 7 Ft. Wings	2	40.2			
	4J-5	Scraper Angle 91" Long 8 Ft. Wings	2	46.3			
	3J-997	Scraper Angle 103" Long 9 Ft. Wings	2	52.4			
	4J-6	Scraper Angle 115" Long 10 Ft. Wings	2	58.5			
	4J-7	Scraper Angle 127" Long 11 Ft. Wings	2	64.6			
	5J-792	Scraper Angle 140" Long 12 Ft. Wings	2	70.7			
5	3D-627	Center Scraper (12' Wings)	0 (2)	1.3			
	2D-110	Scraper	*	1.0			
6	3J-595	Carriage Bolt, 3/8-16 NC x 1-1/2 Lg. Gr. 5	*				
	1C-182	Flat Washer 3/8	*				
	1C-183	Lockwasher 3/8 Medium	*				
	1C-277	Nut, 3/8-16 NC Hex	*				
*	Wing Size	7 Ft.	8 Ft.	9 Ft.	10 Ft.	11 Ft.	12 Ft.
	No. for 2 Wings	40	46	52	58	64	70

**ASSEMBLY PROCEDURE**

1. Fasten all the scrapers to the scraper angle bar as shown with ribbed side against angle.  
On 12 Ft. wings fasten a 3D-627 center scraper to the middle hole.
2. Bolt a 5J-799 & 5J-800 angle assembly to the ends of the scraper bars
3. Attach the scraper and angle assemblies to the rear side of the wing end plates in the holes provided.
4. Adjust the scrapers to a desired height while rollers are resting on a flat surface.

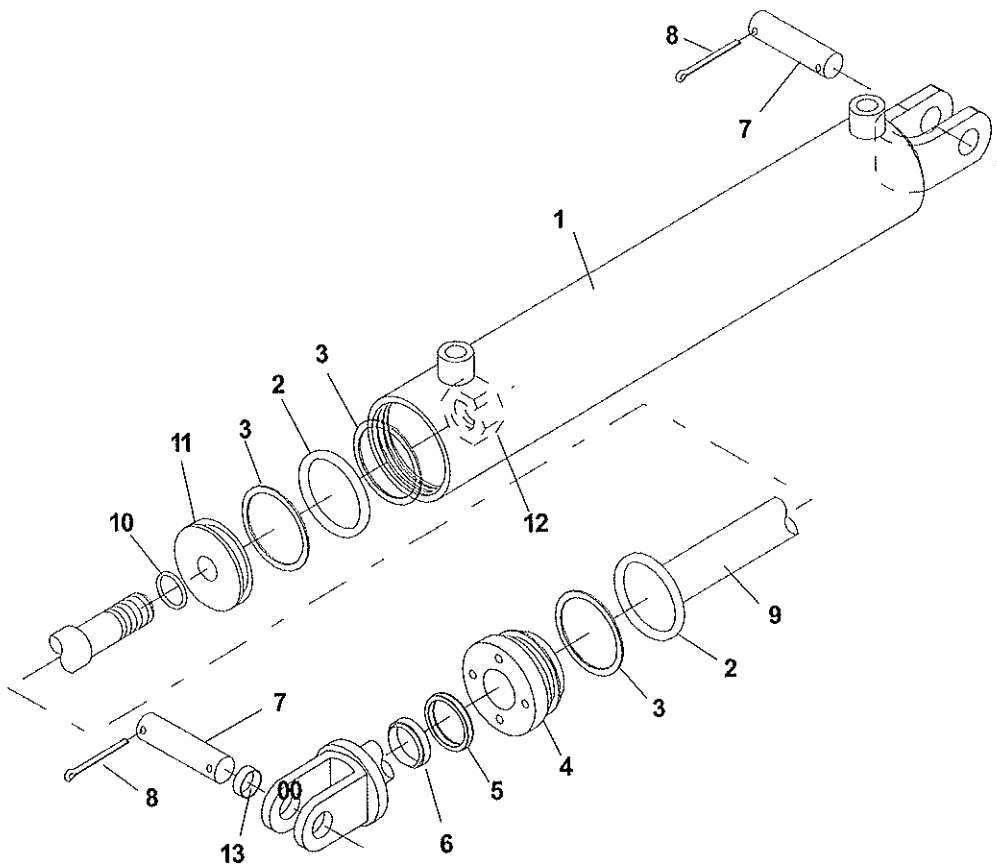


SCRAPERS									
Index No.	Part No.	Description	No. Used for Wing Size					Weight	
			8'	9'	10'	11'	12'		
1	9J959	Scraper Tube, Wings	2					25.42	
	9J960	Scraper Tube, Wings		2				28.47	
	9J056	Scraper Tube, Wings			2			31.52	
	9J962	Scraper Tube, Wings				2		34.57	
	9J963	Scraper Tube, Wings					2	37.63	
2	1K003	L. H. Scraper Bar, Center Section	1	1	1	1	1	20.0	
3	1K005	R. H. Scraper Bar, Center Section	1	1	1	1	1	20.5	
4	9J952	Scraper End Bracket	4	4	4	4	4	1.61	
5	5D051	Capscrew, 1/2-13 x 1-3/4" long, Gr. 5	8	8	10	10	10	.13	
6	1C120	Flat Washer, 1/2" Std.	8	8	10	10	10	-	
7	1C109	Lockwasher, 1/2"	16	16	18	18	18	-	
8	1C390	Nut, 1/2"	16	16	18	18	18	-	
9	8J014	Scraper, 2-1/2"	72	78	84	90	94	1.3	
10	9J930	Scraper, 2-1/2" Special	8	8	8	8	8	1.06	
11	8J015	U-Bolt, 3/8"	81	87	91	97	103	.21	
12	1C182	Flat Washer, 3/8" Std.	162	174	186	198	210	-	
13	1C183	Lockwasher, 3/8"	162	174	186	198	210	-	
14	1C277	Nut, 3/8"	162	174	186	198	210	-	
15	1K168	Scraper Bracket, Center	1	1	1	1	1	4.0	
16	8J079	Scraper, 3-1/2"	1	1	1	1	3	1.9	
17	5D921	U-Bolt, 1/2"	4	4	4	4	4	.5	
18	9J955	Scraper Bracket			2	2	2	1.77	
19	6D065	Capscrew, 3/8-16 NC x 3-1/2" long			4	4	4	.12	

9D524 G Hydraulic Cylinder 3-1/2 x 16  
 Hydraulic Gear #3516-01 Painted Green  
 1-3/8 Dia. Rod, 26-1/4 Retracted, 42-1/4 Extended Length

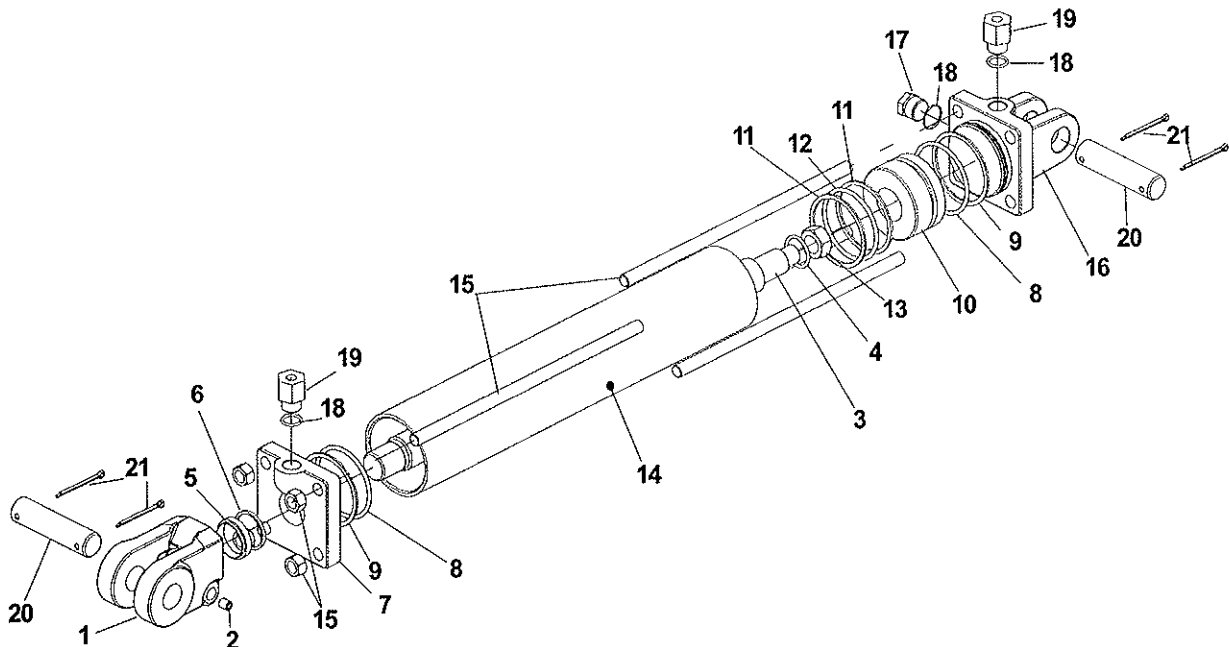
Item	Part No.	Description	Qty.
1	1J957	Tube Assembly	1
*2	NSS	O Ring	2
*3	NSS	Back-Up Ring	3
4	1J958	Gland	1
*5	NSS	Rod Seal & Back Up Rings	1
*6	NSS	Wiper	1
7	5J650	Cylinder Pin	2
8	6C468	Cotter Pin, 3/16" x 2"	4
9	1J960	Rod Assembly	1
*10	NSS	O Ring	1
11	1J959	Piston	1
12	6C750	Hex Nut 7/8-14 NF Lock	1
13	8J918	Tension Bushing	2
*	1J961	Seal Kit (Items marked "**")	

NSS = Not Serviced Separately



5J830P Hydraulic Cylinder, 4 x 30  
 Prince #AB-165 Painted Black  
 1 3/4" Rod Diameter; 40 1/4" Retracted, 70 1/4" Extended

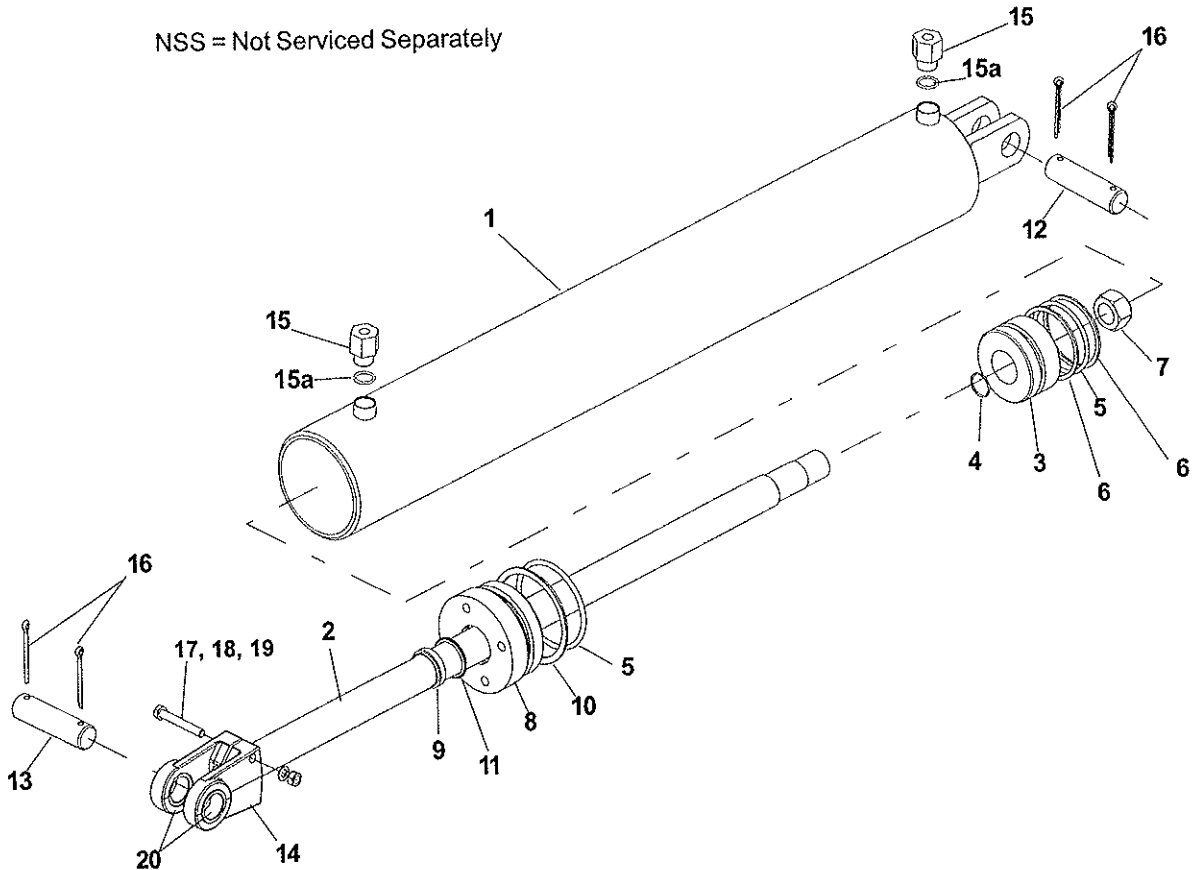
Item	Part No.	Description	Qty.
1	1J072	Rod End Clevis	1
2	6J345	Set Screw, 3/8-24 NF x 1/2"	1
3	6J336	Piston Rod	1
*4	NSS	O-Ring	1
*5	NSS	Rod Wiper	1
*6	NSS	U-Cup	1
*7	7J052	Gland (With Port Requiring O-Ring Fitting)	1
	1J946	Gland (With Pipe Thread)	
		When this number is ordered you will receive (1) 7J052, (1) 7J024, and (1) 7J026	
*8	NSS	O-Ring	2
*9	NSS	Back-Up Washer	2
10	1J947	Piston	1
*11	NSS	Back Up Washer	2
*12	NSS	O-Ring	1
13	1J951	Locknut, 1 1/4-12 NF	1
14	6J337	Tube	1
15	6J338	Tie Rod	4
16	7J053	Base (with Ports Requiring O-Ring Fittings)	1
	1J950	Base (with Pipe Thread)	
		When this number is ordered you will receive (1) 7J053, (2) 7J024, and (1) 7J025, and (1) 7J026	
17	7J025	Steel Plug, O-Ring type (without O-Ring)	1
18	7J024	O-Ring (not a part of 7J025 & 7J026)	3
19	7J026	Adaptor (without O-Ring)	2
20	7J067	Clevis Pin 1" dia. x 4" Long	2
21	1C278	Cotter Pin, 5/32" x 2"	4
*	1J070	PMCK-AB-165 Seal Kit	
	NSS =	Not Serviced Separately	



5J830G Hydraulic Cylinder 4 x 30  
 Hydraulic Gear #BIW4030 Painted Black  
 1-3/4 Dia. Rod, 40-1/4 Retracted, 70-1/4 Extended Length

Item	Part No.	Description	Qty.
1	8K602	Cylinder Tube	1
2	8K603	Rod	1
3	1J955	Piston	1
*4	NSS	O-ring	1
*5	NSS	O Ring	2
*6	NSS	Spiral Teflon Backup	1
7	1J951	Nut, 1 1/4-20 NC	1
8	1J953	Packing Gland	1
*9	NSS	Rod Wiper	1
*10	NSS	Parback	1
*11	NSS	Polyseal	1
12	5J650	Pin (Backcap End)	1
13	5K798	Pin (Rod End Clevis)	1
14	5J195	Clevis	1
15	7J026	Adapter (without O-ring)	2
15-a	7J024	O-ring	2
16	6C468	Cotter Pin	4
17	9D797	HHCS, 5/16 -18 NC x 2 1/4"	1
18	1C385	Nut, 5/16-18 NC Hex	1
19	1C362	Lock Washer, 15/16"	1
20	5K964	Bushing	2
*	8K604	Seal Kit (Items marked "**")	

NSS = Not Serviced Separately



6J216P Hydraulic Cylinder, 3 x 30  
 Prince #BD-0565 Painted Black  
 1 3/8" Rod Diameter; 40 1/4" Retracted, 70 1/4" Extended

Item	Part No.	Description	Qty.
1	9D481	Rod End Clevis	1
2	9C271	HHCS, 3/8-16 NC x 2 1/4" Long GR. 5	1
3	5C954	Hex Nut, 3/8-16 NC, self-locking	1
4	7K929	Rod	1
*5	NSS	Rod Wiper	1
*6	NSS	Back-Up Ring	1
*7	—	—	-
*8	NSS	Crown Seal	1
9	7K931	Gland (With Port Requiring O-Ring Fitting)	1
*10	NSS	O-Ring - End Cap	2
11	7K930	Piston	1
*12	NSS	Back Up Ring	2
13	9C223	Piston Nut, 1-14 UNF, self locking	1
14	6J340	Tube	1
15	7K932	Tie Rod Assembly	4
16	7J049	Butt end Clevis	1
17	5J650	Clevis Pin	2
18	1C278	Cotter Pin, 5/32" x 2"	4
19	NSS	O-Ring	1
20	7J024	O-Ring (not a part of 7J026)	3
21	7J026	Adaptor (without O-Ring)	2
*	7K926	PMCK-BD-0565 Seal Kit (items marked with "**")	

NSS =Not Serviced Separately

