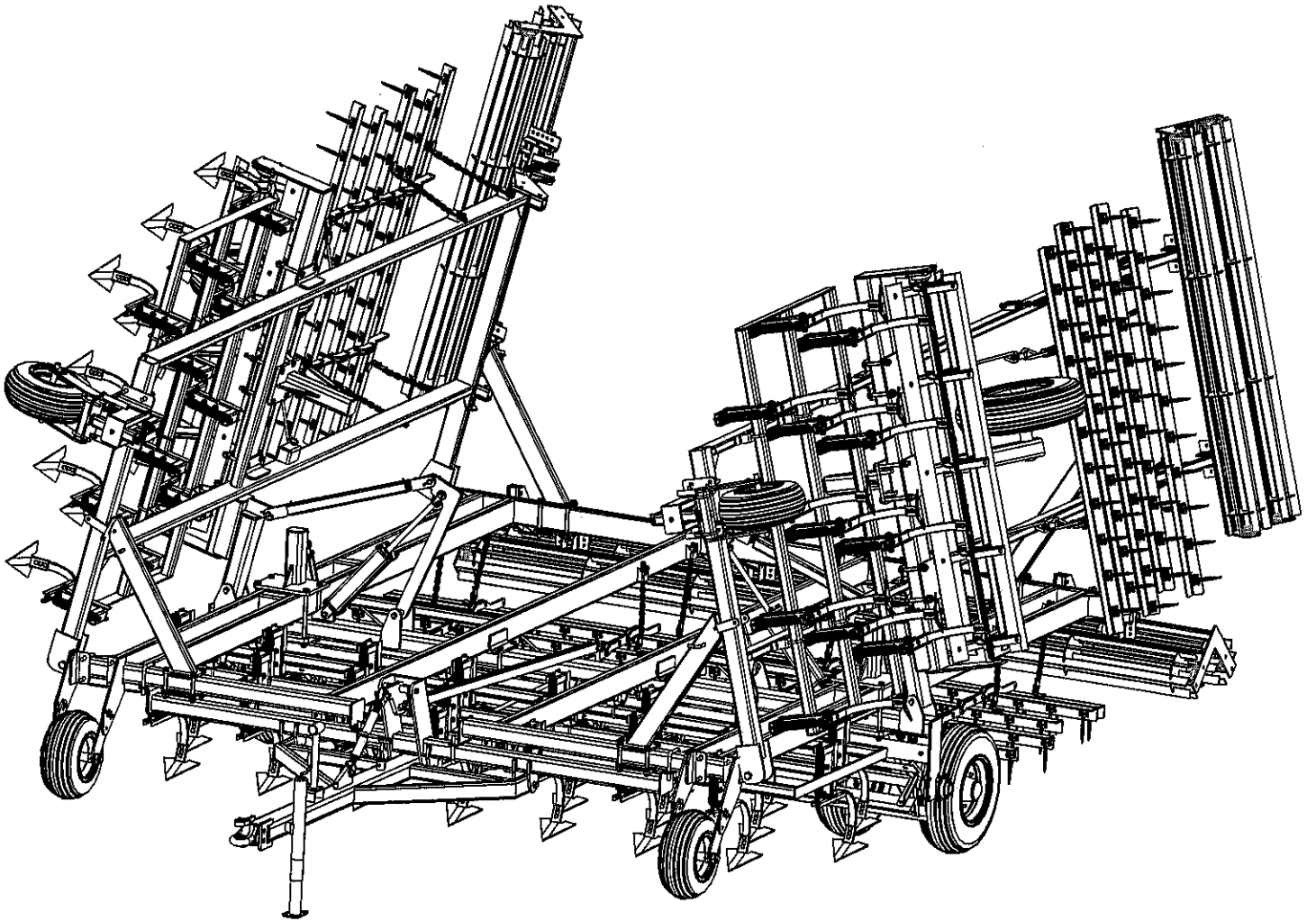




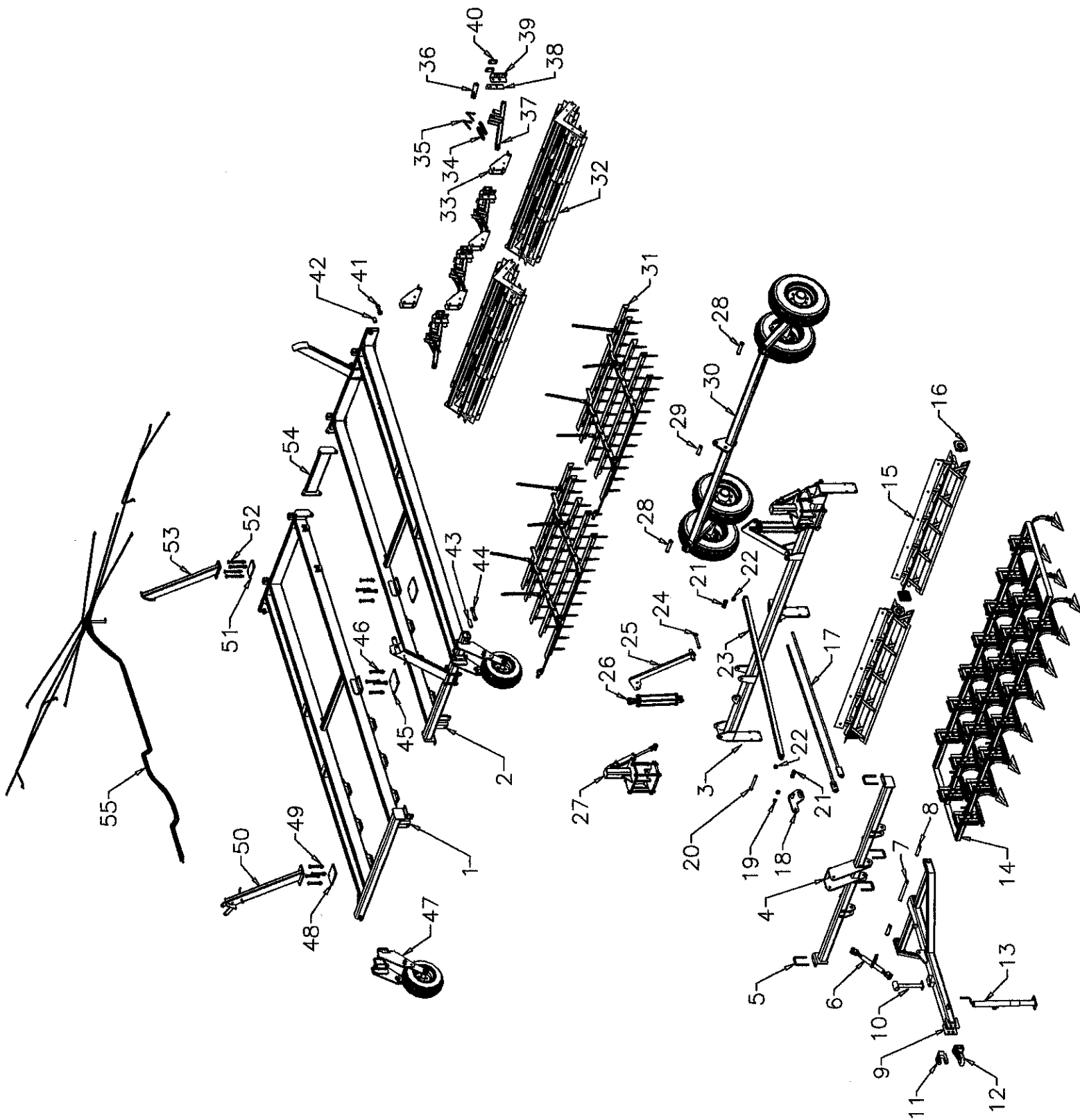
ECS
**House
Industries**
INCORPORATED

31' FOLD 3 BAR DO-ALL
0314F3B-5HFBHG

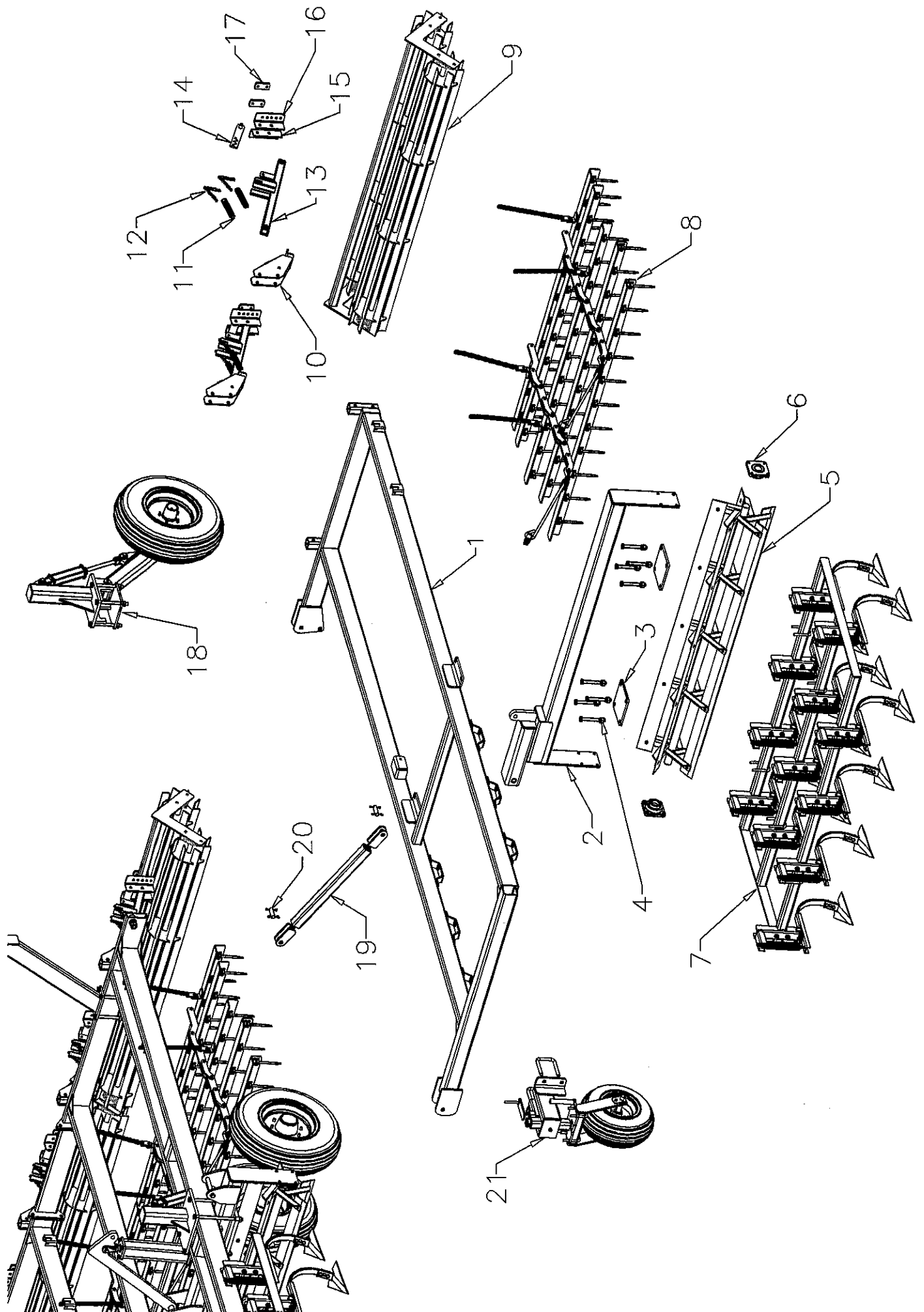
Parts List & Drawings
11/05/2012



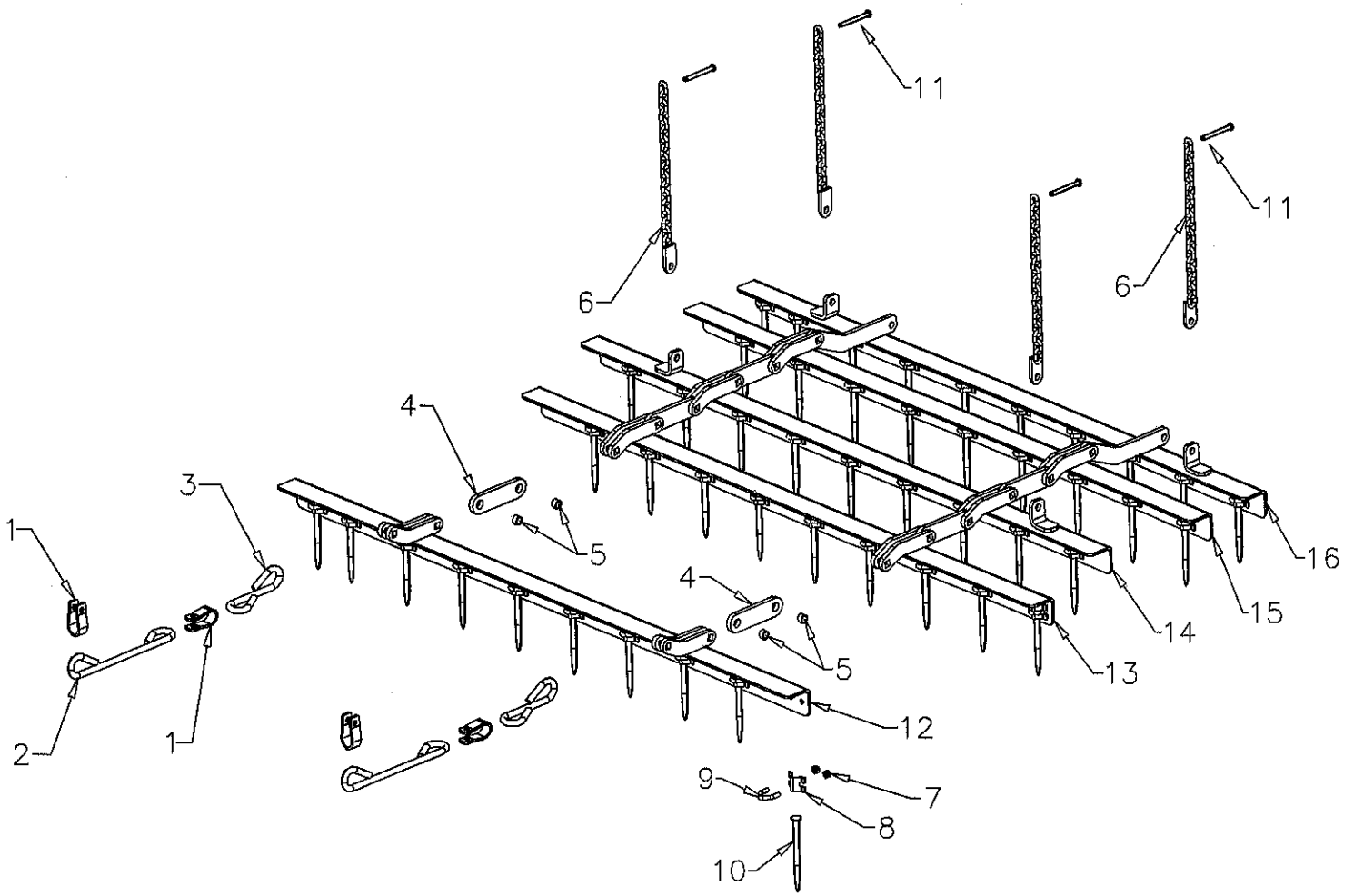
31' DO-ALL CENTER			
REF#	DESCRIPTION	QTY	PART NUMBER
1	Assembly, 31' Do-All 3Bar Top Frame LH	1	MFG030421L
2	Assembly, 31' Do-All 3Bar Top Frame RH	1	MFG030421R
3	Assembly, Center Box Frame	1	MFG030422
4	Assembly, Hitch Attachment	1	MFG030423
5	U-Bolt, 3/4" x 4" x 4" Sq.	4	8484
6	Jack, Turnbuckle	1	8450
7	Pin, 1-3/8" x 14" Do-All Center Tongue Tube	1	MFG030385
8	Pin, 1-3/8" x 6-1/8" Do-All Outer Tongue Tube	2	MFG030386
9	Assembly, 31' Do-All Tongue	1	MFG030424
10	Assembly, Hydraulic Hose Stand	1	MFG030425
11	Clevis	1	8986
12	Hitch, Perfect CAT3	1	8985
13	Jack, Top Wind	1	SPORTWL158
14	Assembly, Heavy Duty Spring Tooth Center	1	MFG030426
15	Assembly, 88" Reel	2	3715
*	Blade Only	10	3817
16	Bearing, Flange	4	3816
17	Rod, 92-1/2" Tongue Tension	2	MFG030427
18	Leveling Pivot	1	4530
19	Bushing, Spacer	2	MFG030382
20	Pin, 1" x 9-1/2" Pivot Bracket	1	MFG030429
21	Bolt, 1x3-1/2"	2	8134
22	Bushing, Pivot	2	3774
23	Link, Leveling	1	MFG030428
24	Pin, 1" x 8-1/2" Do-All Center Bar Wing Tube	2	MFG030393
25	Assembly, 31' Do-All Lift Arm	2	MFG030430
26	Cylinder	2	1475
27	Assembly, Transport Axle Mounting Bracket Complete	2	MFG030431
28	Pin, Transport Wheel Pivot	2	MFG030384
29	Pin, 1" x 5-1/4" Center Trans Axle Tube	1	MFG030387
30	Assembly, 31' Do-All Transport Axle	1	MFG030435
31	Assembly, 7'-6" HD Flex Harrow	2	MFG030419
32	Assembly, 93" Spiral Bar Basket	2	1995
33	Mount, Basket Arm	4	4571
34	Spring, Basket Linkage	8	4336
35	Chain 3/16" 10 Links Long	8	4335
36	Link, Basket Adjustment	4	1939
37	Arm, 31" Basket Mounting	4	5038
38	Angle, LH Basket Frame Attachment	4	4574
39	Angle RH Basket Frame Attachment	4	4573
40	Clamp, Basket Linkage	8	4396
41	1" x 4 1/2" Hex Bolt	2	8132
42	Bushing, Rear Wing Inner	2	MFG030377
43	Bushing, Front Wing Inner	2	MFG030380
44	1" x 6 1/2" Hex Bolt	2	8159
45	Plate, Top Frame Center Bar Mounting Angle Clamp	2	MFG030295
46	Bolt, 3/4 x 6-1/2"	8	8108
47	Do-All Gauge Wheels W/Tires (1-Pair)	1	0300
48	Plate, Do-All Front Wing Support Clamp	2	MFG030299
49	Bolt, 3/4 x 6-1/2"	8	8108
50	Support, Front Wing	2	4793
51	Plate, Do-All Rear Wing Support Clamp	2	MFG030300
52	Bolt, 3/4 x 8"	8	8112
53	Support, Rear Wing	2	4794
54	Assembly, Rear Box Frame Connecting Tube	1	MFG030436
55	Assembly, 31' Do-All Hydraulic Hose	1	MFG030437



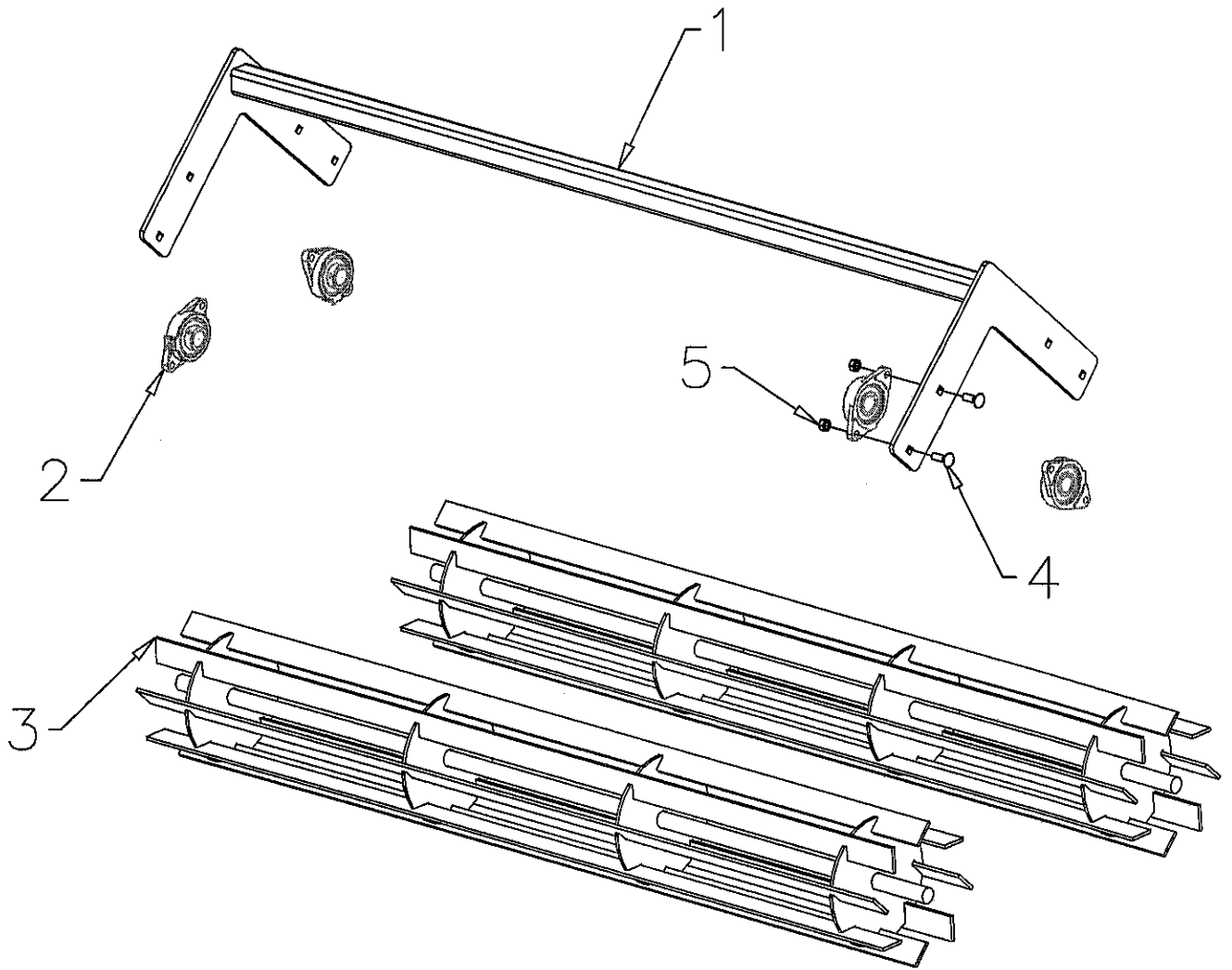
31' DO-ALL WING			
REF#	DESCRIPTION	QTY	PART NUMBER
1	Assembly, 31' Do-All 3Bar Top Wing Frame LH	1	MFG030416L
2	Assembly, Wing Box Frame LH	1	MFG030417L
3	Plate, Box Frame Bar Mounting Angle Clamp	2	MFG030295
4	Bolt, 3/4 x 6-1/2"	8	8108
5	Assembly, 88" Reel	1	3715
*	Blade Only	5	3817
6	Bearing, Flange	2	3816
7	Assembly, Heavy Duty Spring Tooth Wing LH	1	MFG030418L
8	Assembly, 7'-6" HD Flex Harrow	1	MFG030419
9	Assembly, 93" Spiral Bar Basket	1	1995
10	Mount, Basket Arm	2	4571
11	Spring, Basket Linkage	4	4336
12	Chain 3/16" 10 Links Long	4	4335
13	Arm, 31" Basket Mounting	2	5038
14	Link, Basket Adjustment	2	1939
15	Angle, LH Basket Frame Attachment	2	4574
16	Angle RH Basket Frame Attachment	2	4573
17	Clamp, Basket Linkage	4	4396
18	Assembly, Hydraulic Ga Wheel	1	MFG030420L
19	Link, " Adjustment Lift	1	4964
20	Pin, 1" x 3-1/4"	2	MFG030139
21	Caster Ga Wheel	1	0450



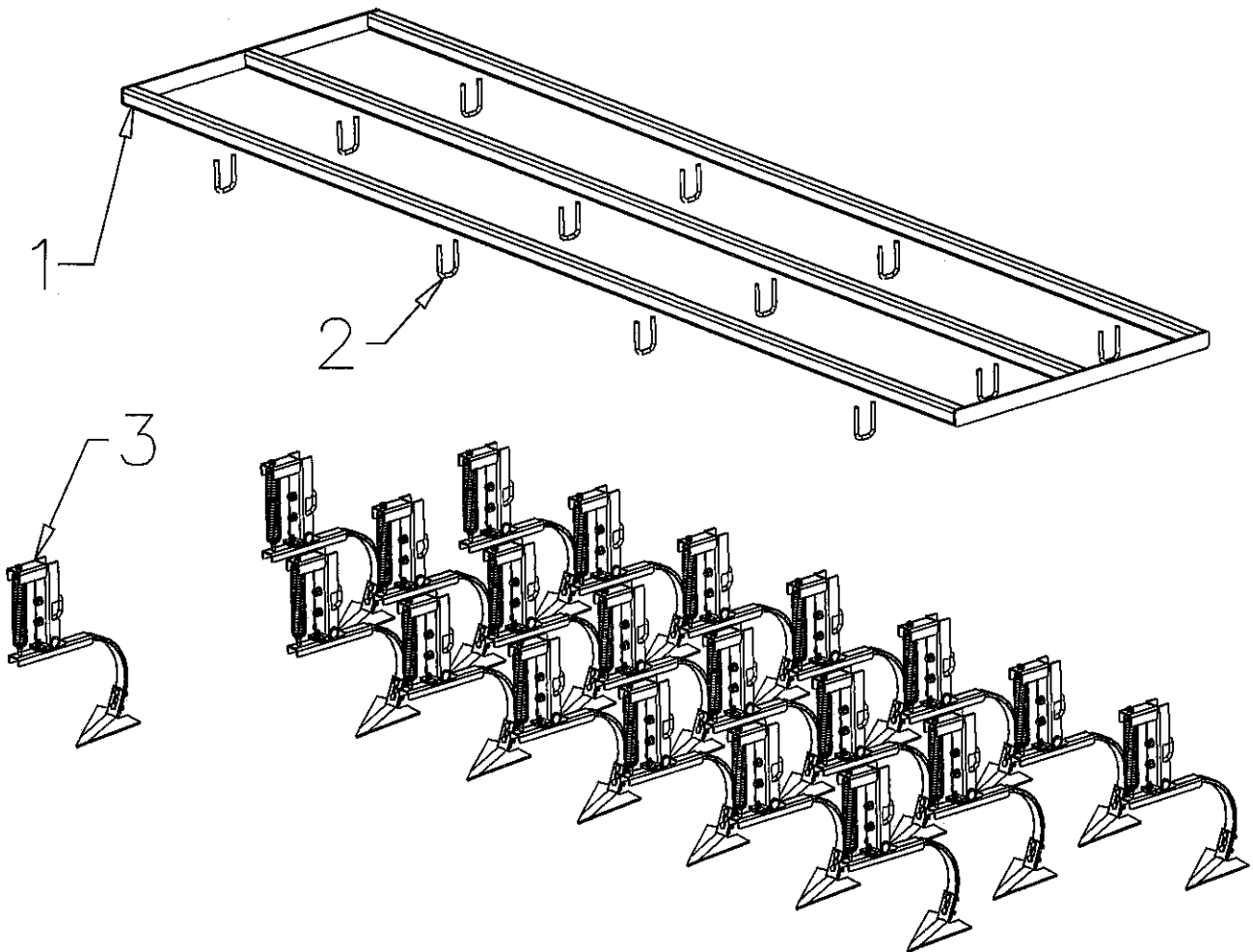
90" HARROW ASSEMBLY		
REF#	DESCRIPTION	PART NUMBER
1	Clevis, Harrow Pull	1010
2	Draglink 29"	2021
3	Link, Harrow Twisted Double Eye	1031
4	Link, Center	1028
5	Bushing, Harrow	1099
6	Chain, Harrow Lift - 21" Long	2025
7	Nut, 7/16" Center Lock N/C	8302
8	Pad, Harrow Tooth	1025
9	U-Bolt 7/16"	1026
10	Tooth, Harrow	1024
11	Pin, Lock	2724
12	Bar, #1-11 Tooth Harrow	MFG030367
13	Bar, #2-11 Tooth Harrow	MFG030368
14	Bar, #3-11 Tooth Harrow	MFG030369
15	Bar, #4-11 Tooth Harrow </td <td>MFG030370</td>	MFG030370
16	Bar, #5-11 Tooth Harrow	MFG030371



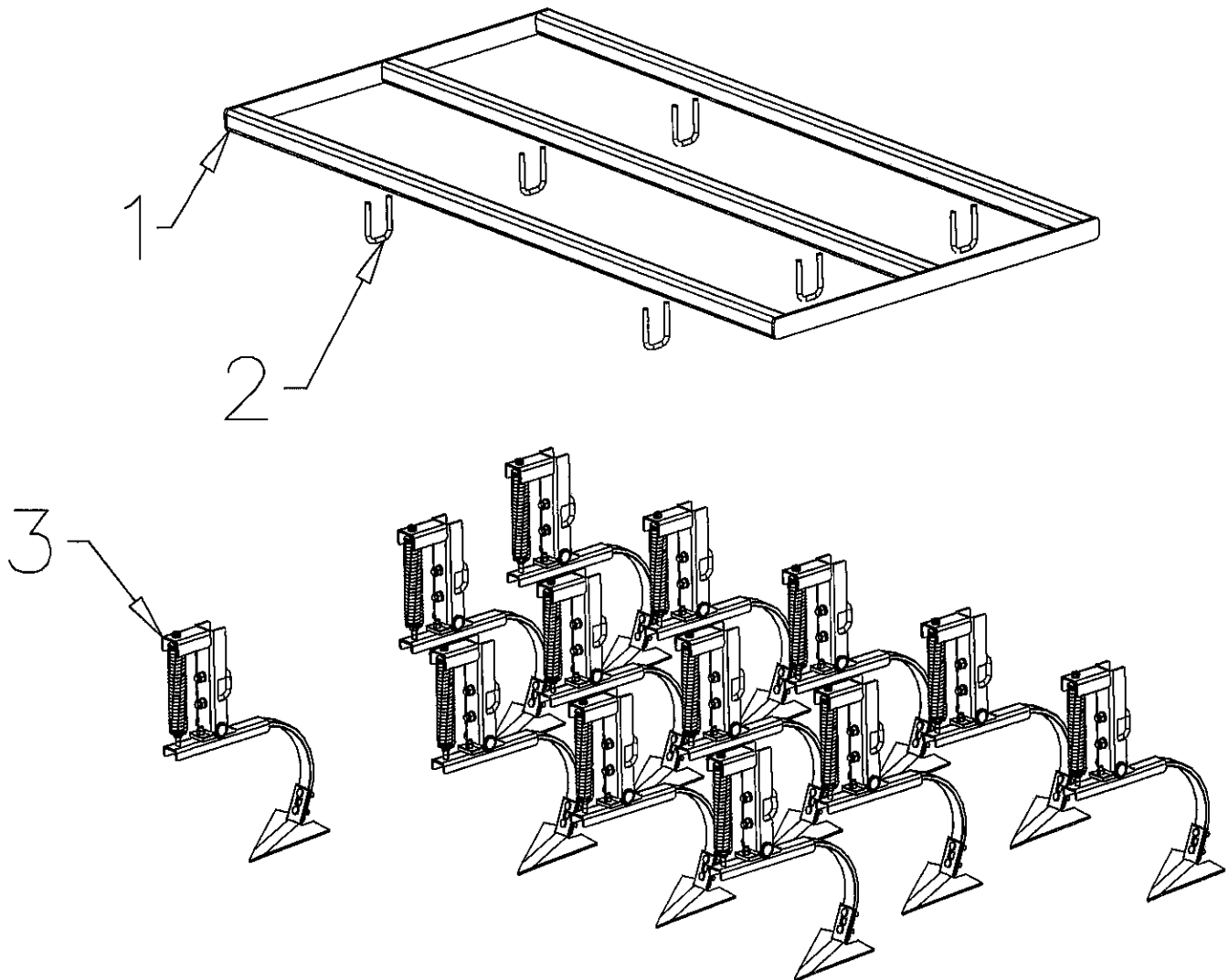
BASKET ASSEMBLY		
REF#	DESCRIPTION	PART NUMBER
1	Frame, 92" Basket	1968
2	Bearing, Flange	4356
3	Assembly, 93" Spiral Basket	1987
4	1/2" x 1 1/2" Carriage Bolt	8272
5	1/2" Center Lock Nut N/C	8303



HD SPRING TOOTH CENTER FRAME ASSEMBLY		
REF#	DESCRIPTION	PART NUMBER
1	Assembly, HD Spring Tooth Center Frame	MFG030439
2	5/8" x 2 1/2" Sq. U-Bolt	3200
3	Heavy Duty Tooth Assembly	4268

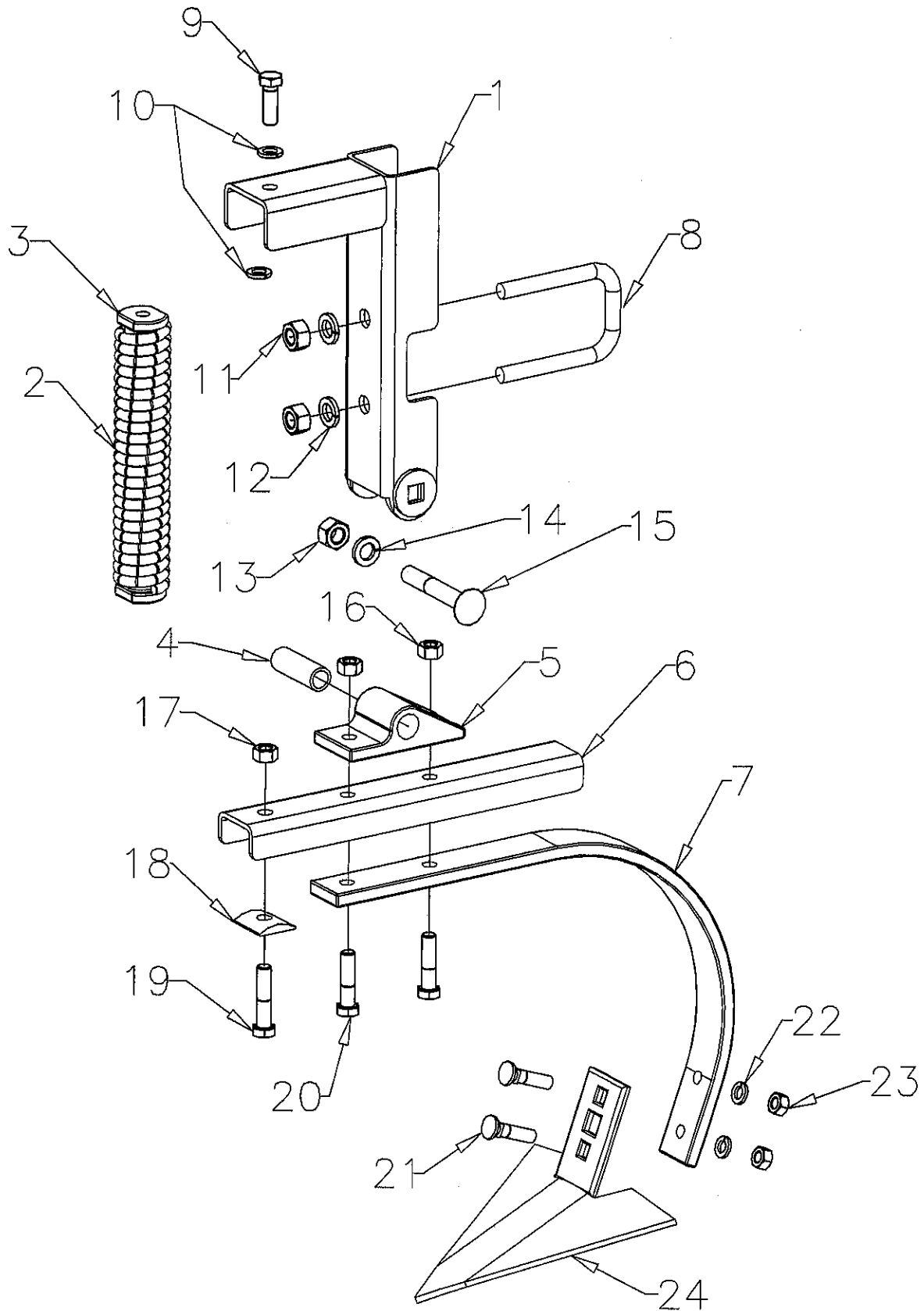


HD SPRING TOOTH WING FRAME ASSEMBLY		
REF#	DESCRIPTION	PART NUMBER
1	Assembly, HD Spring Tooth Wing Frame	MFG030438
2	5/8" x 2 1/2" Sq. U-Bolt	3200
3	Heavy Duty Tooth Assembly	4268

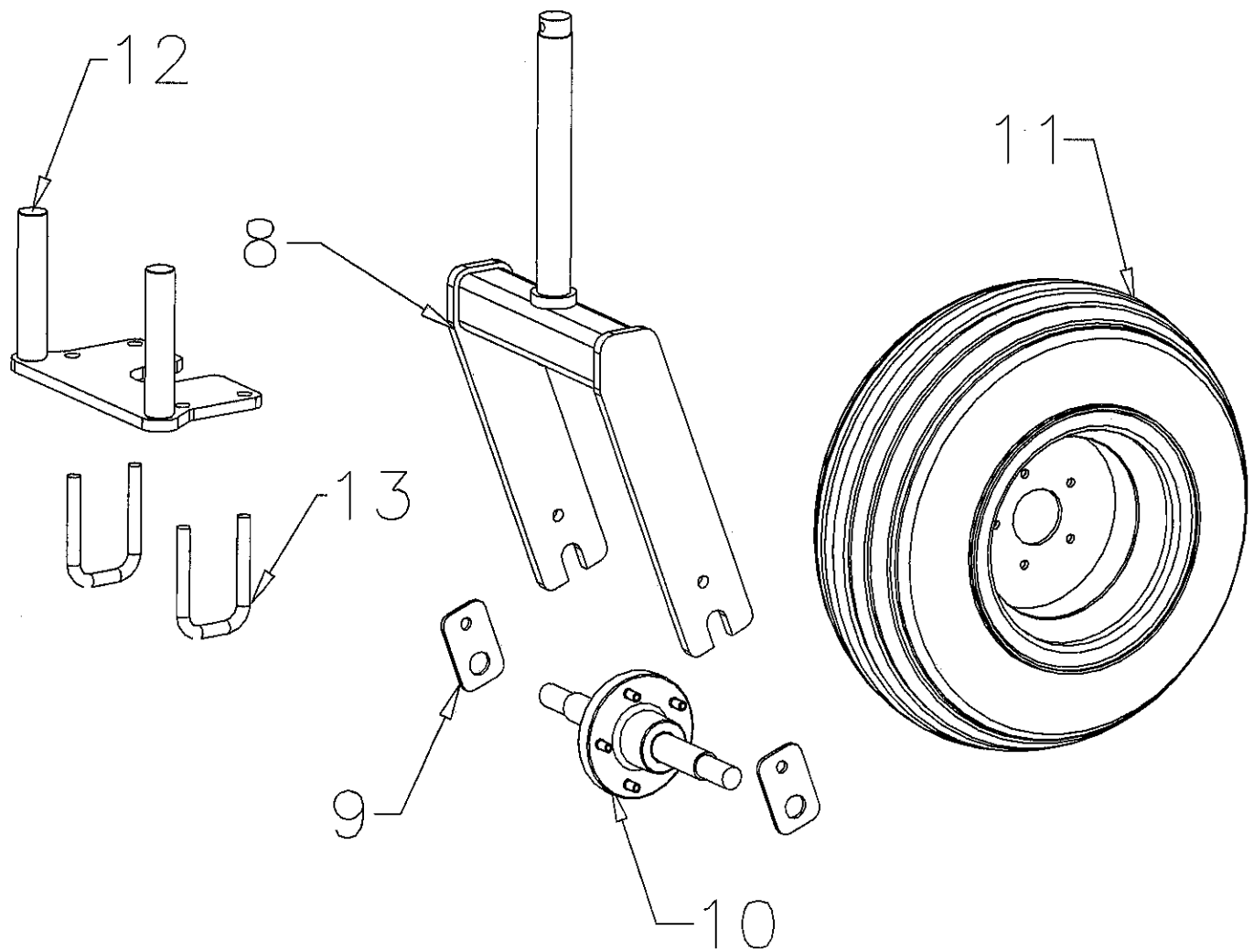
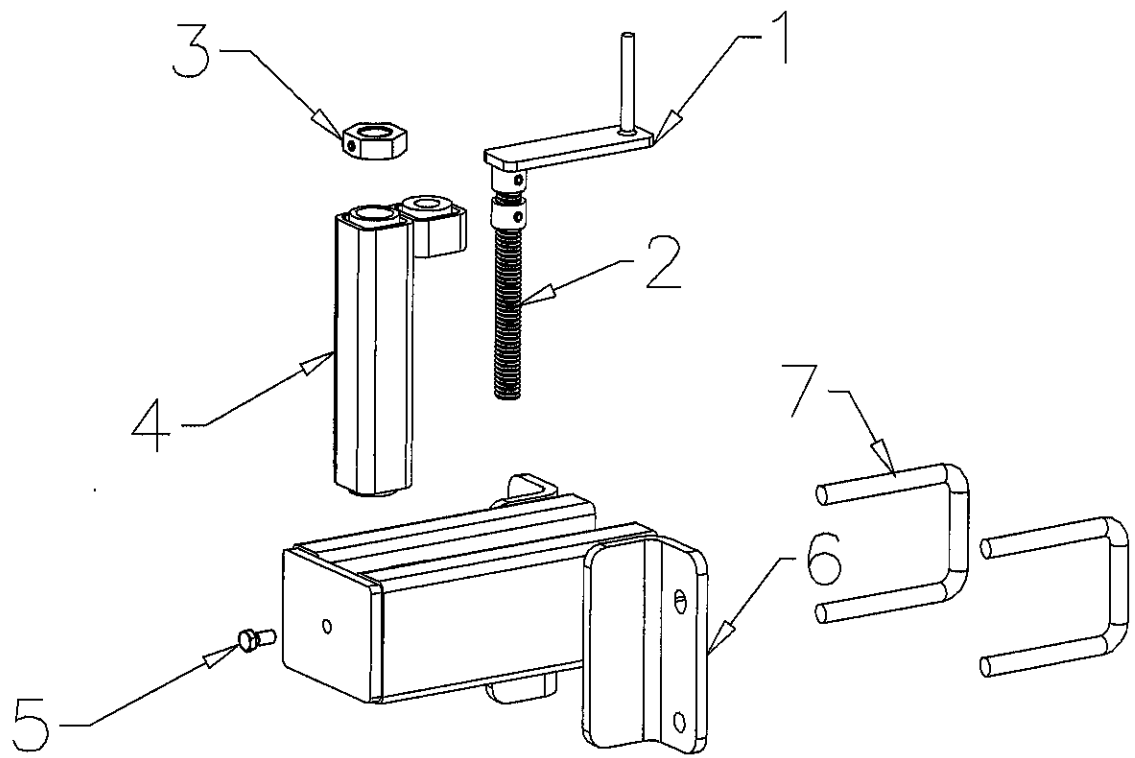


HEAVY DUTY TOOTH ASSEMBLY		
REF#	DESCRIPTION	PART NUMBER
1	Heavy Duty Tooth Notched Brackct w/ 5/8" Pivot Bolt	4269
2	Tension Spring for H.D. Tooth Assembly	2229
3	Tension Spring Casting for H.D. Tooth Assembly	2230
4	Pivot Bushing	4271
5	Heavy Duty Pivot Casting	2619
6	H.D. Tooth Rocker Bar	2749
7	1/2" x 1 3/4" Leaf for Single H.D. Tooth	3610
8	5/8" Sq. U-Bolt for H.D. Tooth	3200
9	1/2" x 1 1/2" Hex Bolt-Grade 8	8255
10	1/2" Lockwasher	8374
11	5/8" Standard Hex Nut N/C	8387
12	5/8" Lockwasher	8375
13	5/8" Standard Hex Nut N/C	8387
14	5/8" Lockwasher	8375
15	5/8" x 4" Carriage Bolt	8491
16	1/2" Center Lock Nut N/C	8303
17	1/2" Standard Hex Nut N/C	8385
18	Rocker Block for H.D. Tooth Assembly	2217
19	1/2" x 2 1/4" Hex Bolt-Grade 8	8257
20	1/2" x 2" Hex Bolt-Grade 8	8258
21	7/16" x 1 1/2" Plow Bolt	8285
22	7/16" Lockwasher	8354
23	7/16" Standard Hex Nut N/C	8384
24	10" Sweep - 1/4" Thickness	1081
24	8" Sweep - 1/4" Thickness	1082
24	6" Sweep - 1/4" Thickness	1084

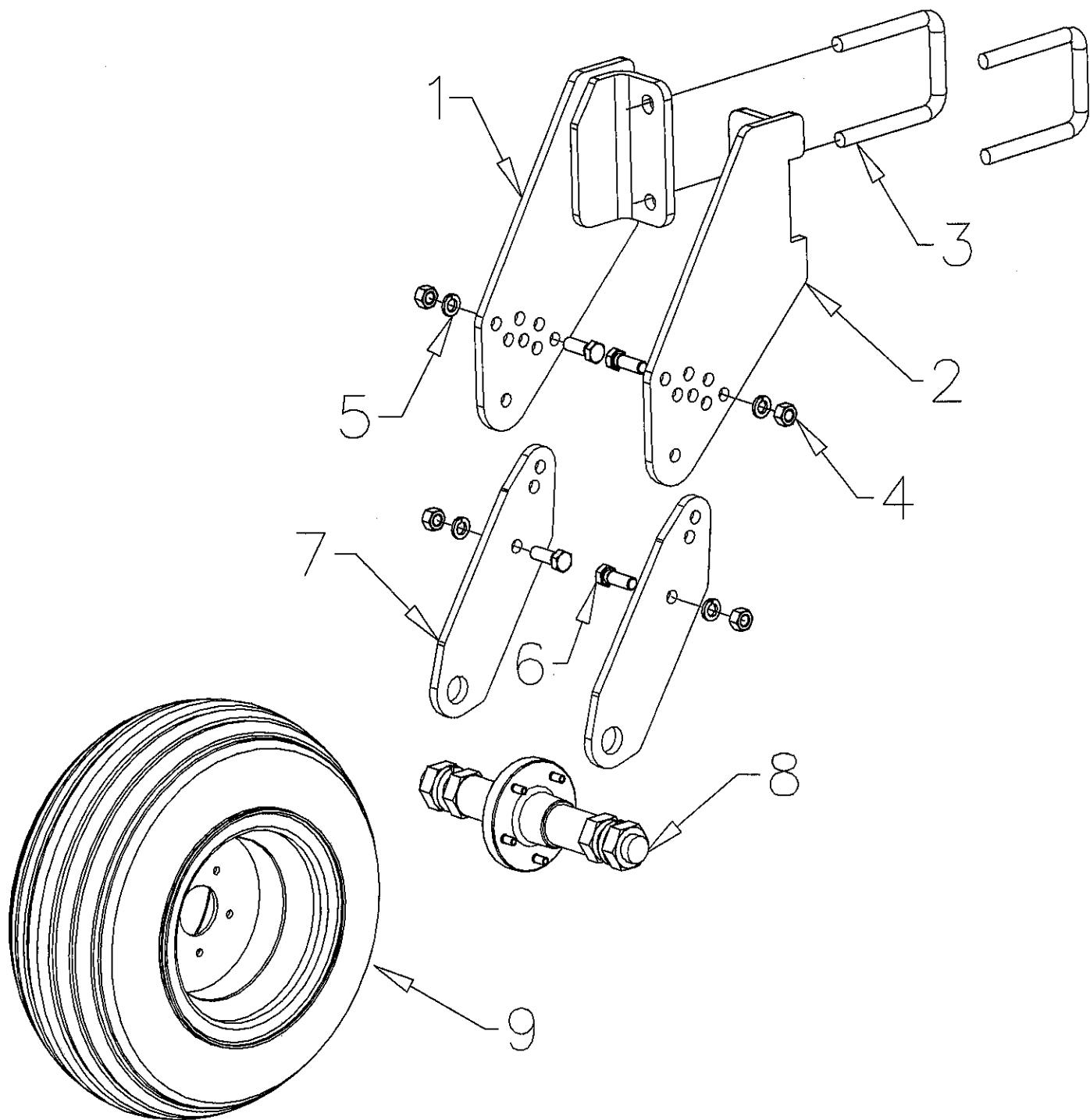
HD TOOTH ASSEMBLY



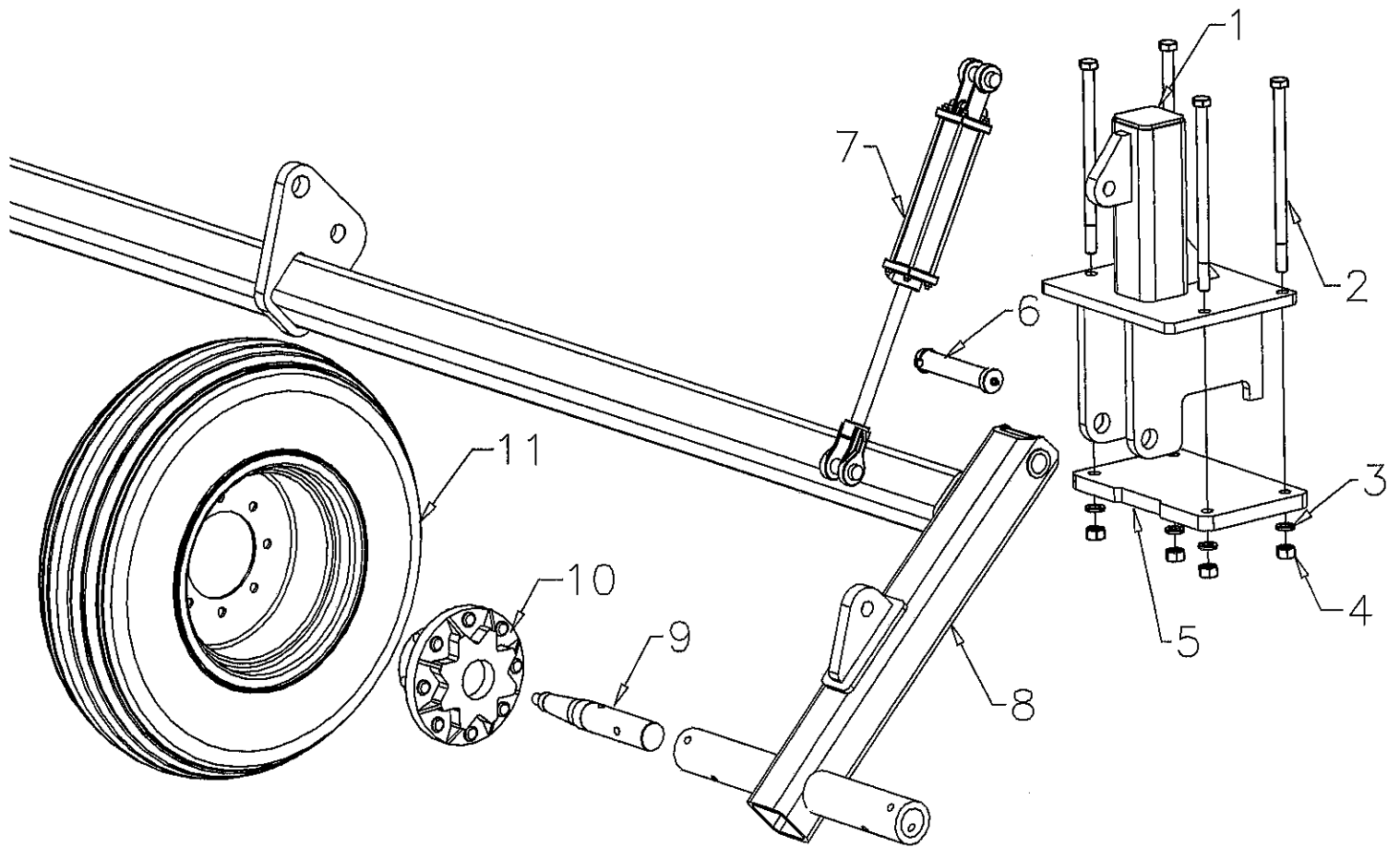
0450 CASTER GAUGE WHEEL		
REF#	DESCRIPTION	PART NUMBER
1	Gauge Wheel Adjustment Handle	4580
2	Guage Wheel Adjustment Screw	4579
3	Nut, 1 3/8" Jam	MFG030440
4	Gauge Wheel Pivot Tube	4578
5	1/2" x 1 1/2" Hex Head Bolt-Grade 5	8041
6	Wing Gauge Wheel Bracket	4577
7	U-Bolt, 3/4" x 4" x 4" Sq.	8484
8	Wing Gauge Wheel Fork	4581
9	Gauge Wheel Axle Retainer	4582
10	Hub Complete w/ 1" x 15" Axle - Wilton	9205
11	20.5 x 8 x 10 Tire & Wheel w/ 2 3/4" Pilot	9173
12	Assembly, 0450 Wing Ga Wheel Bracket Caster Limiting	MFG030448
13	5/8" x 2 1/2" Sq. U-Bolt	3200



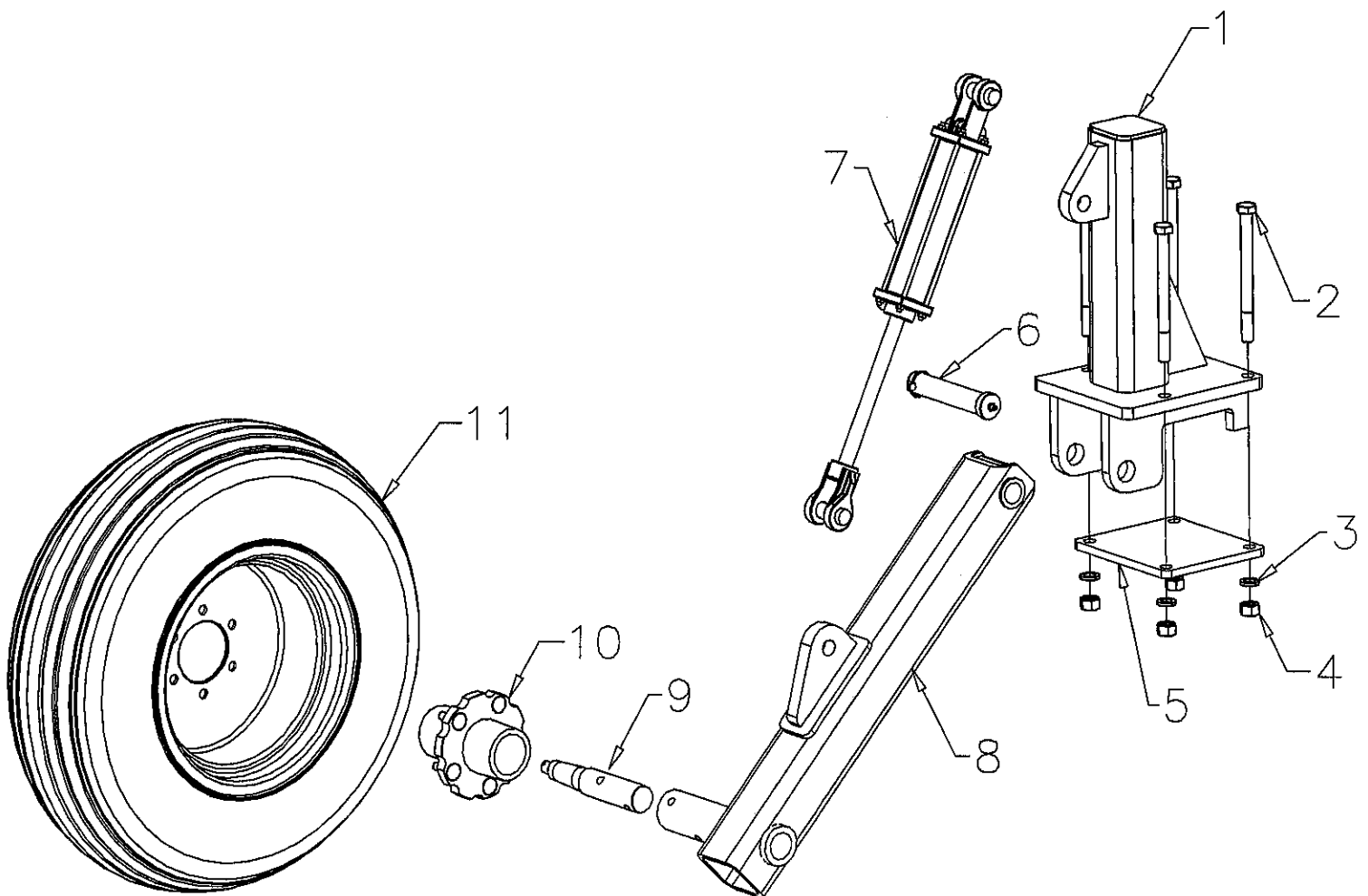
0300 GAUGE WHEEL		
REF#	DESCRIPTION	PART NUMBER
1	Assembly, 0300 Ga Wheel LH Bracket	MFG030441L
2	Assembly, 0300 Ga Wheel RH Bracket	MFG030441R
3	U-Bolt, 3/4" x 4" x 4" Sq.	8484
4	5/8" Standard Hex Nut N/C	8387
5	5/8" Lockwasher	8375
6	5/8" x 1 3/4" Hex Bolt-Grade 5	8063
7	Plate, Floatation Adjustment 0300 Gauge Wheel	MFG030298
8	104-448 Gauge Wheel Hub complete	9080
9	20.5 x 8 x 10 Tire & Wheel w/ 4" Pilot	9170



TRANSPORT AXLE		
REF#	DESCRIPTION	PART NUMBER
1	Assembly, 31' Transport Axle Bracket	MFG030445
2	Bolt, 3/4" x 12 1/2" Grade 8	5BLT34101212HX2
3	3/4" Lockwasher	8376
4	3/4" Hex Nut Grade 8	5NUT34GRD8Z
5	Plate, 31' Do-All Transport Axle Clamp	MFG030293
6	Pin, Transport Wheel Pivot	MFG030384
7	3 1/2" x 8" Cylinder Rephase PMC-9308	1280
8	Assembly, 31' Do-All Transport Axle	MFG030444
9	Spindle for 106-799	9526
10	106-799 8 Bolt Hub with races, bearings, seal, and cap	9525
11	11L x 15 Tire Assembly - 8 Hole Wheel	9700



0420 HYDRAULIC GAUGE WHEEL		
REF#	DESCRIPTION	PART NUMBER
1	Assembly, 0420 Hydraulic GA Wheel Bracket	MFG030442
2	Bolt, 3/4" x 8" Grade 8	5BLT348GRD8
3	3/4" Lockwasher	8376
4	3/4" Hex Nut Grade 8	5NUT34GRD8Z
5	Plate, HydraulicWing Gauge Wheel Clamp	MFG030294
6	Pin, Transport Wheel Pivot	MFG030384
7	3 1/4" x 8" Cylinder Rephase	1320
8	Assembly, 0420 Hydraulic Ga Wheel Leg LH	MFG030443L
9	Spindle 106-753	9129
10	106-749 Hub with races, bearings, seal, and cap	9034
11	11L x 15 Tire Assembly (Wheel & Tire) 6 Hole	9181



HYDRAULIC HOSE			
REF#	DESCRIPTION	QTY	PART NUMBER
1	3/8" x 224" Hyd. Hose	2	5HOS38X224
2	3/8" x 222" Hyd. Hose	2	5HOS38X224
3	3/8" x 78" Hyd. Hose	2	5HOS38X78
4	3/8" x 71" Hyd. Hose	2	5HOS38X71
5	3/8" to 1/2" 90 Degree Elbow	2	9423
6	3/8" Bulkhead Tee	2	9373
7	3/8" x 71" Hyd. Hose	2	5HOS38X71
8	3/8" Flare to 1/2" Pipe Straight	4	9422
9	3/8" x 78" Hyd. Hose	2	5HOS38X78
10	3/8" x 145" Hyd. Hose	2	5HOS38X145
11	3/8" to 1/2" 90 Degree Elbow	2	9423
12	T Mount Bracket	1	4598
13	3/8" Bulkhead Tee	2	9373

31' DO-ALL HYDRAULIC HOSE KIT REPHASE 8" STROKE CYLINDERS

