

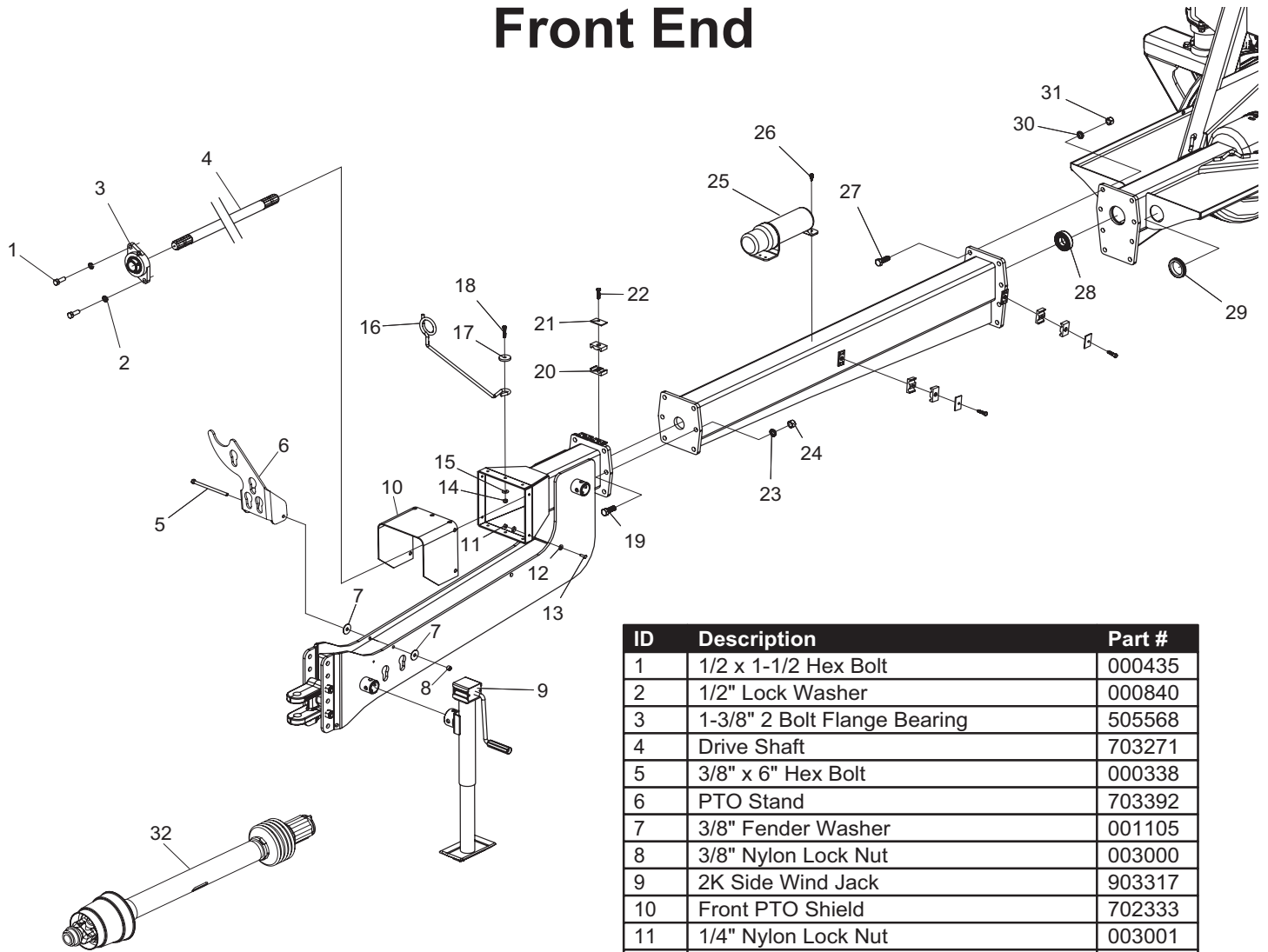


TT8101 Rotary Tedder

Illustrated Parts Breakdown

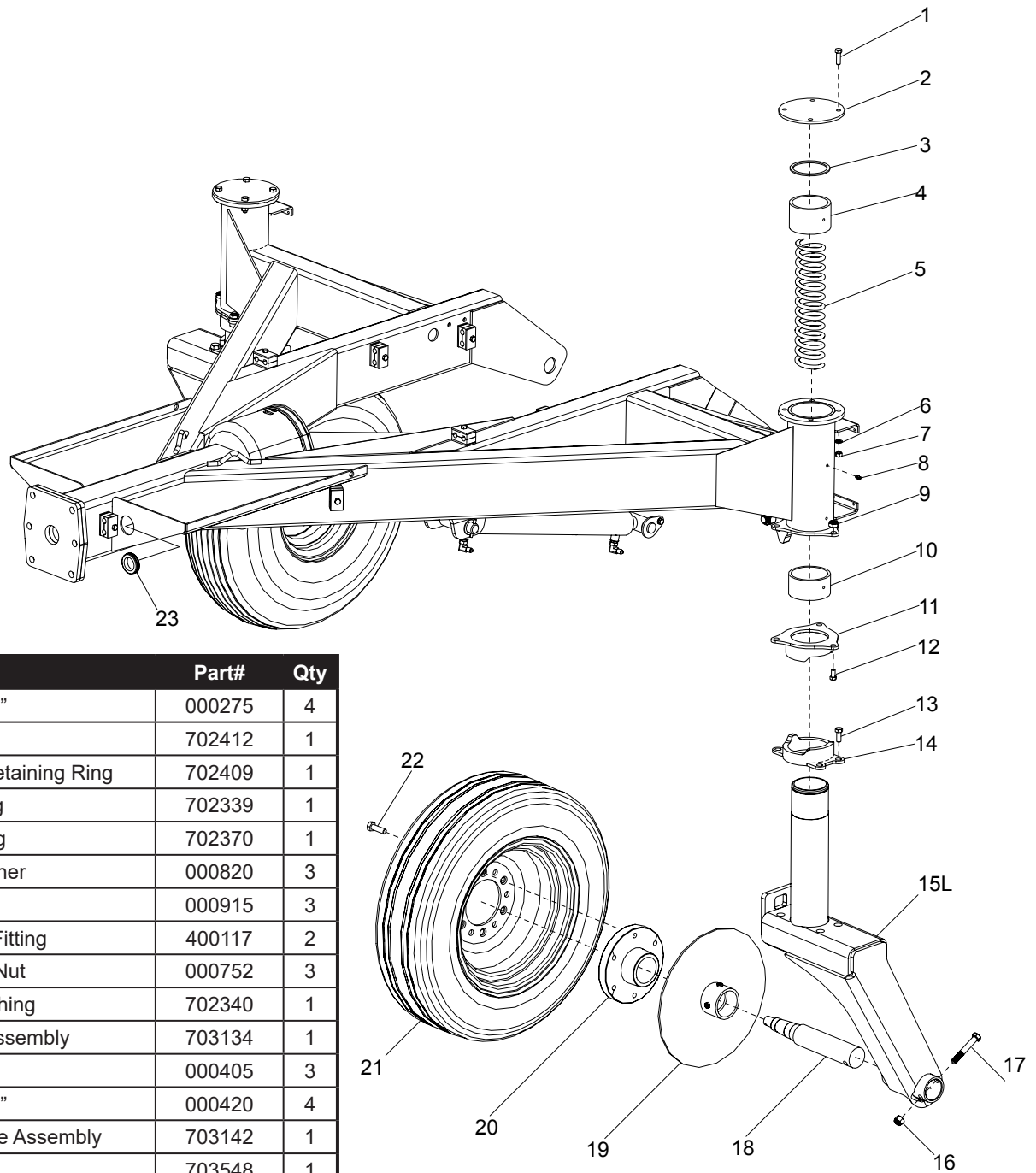
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Front End



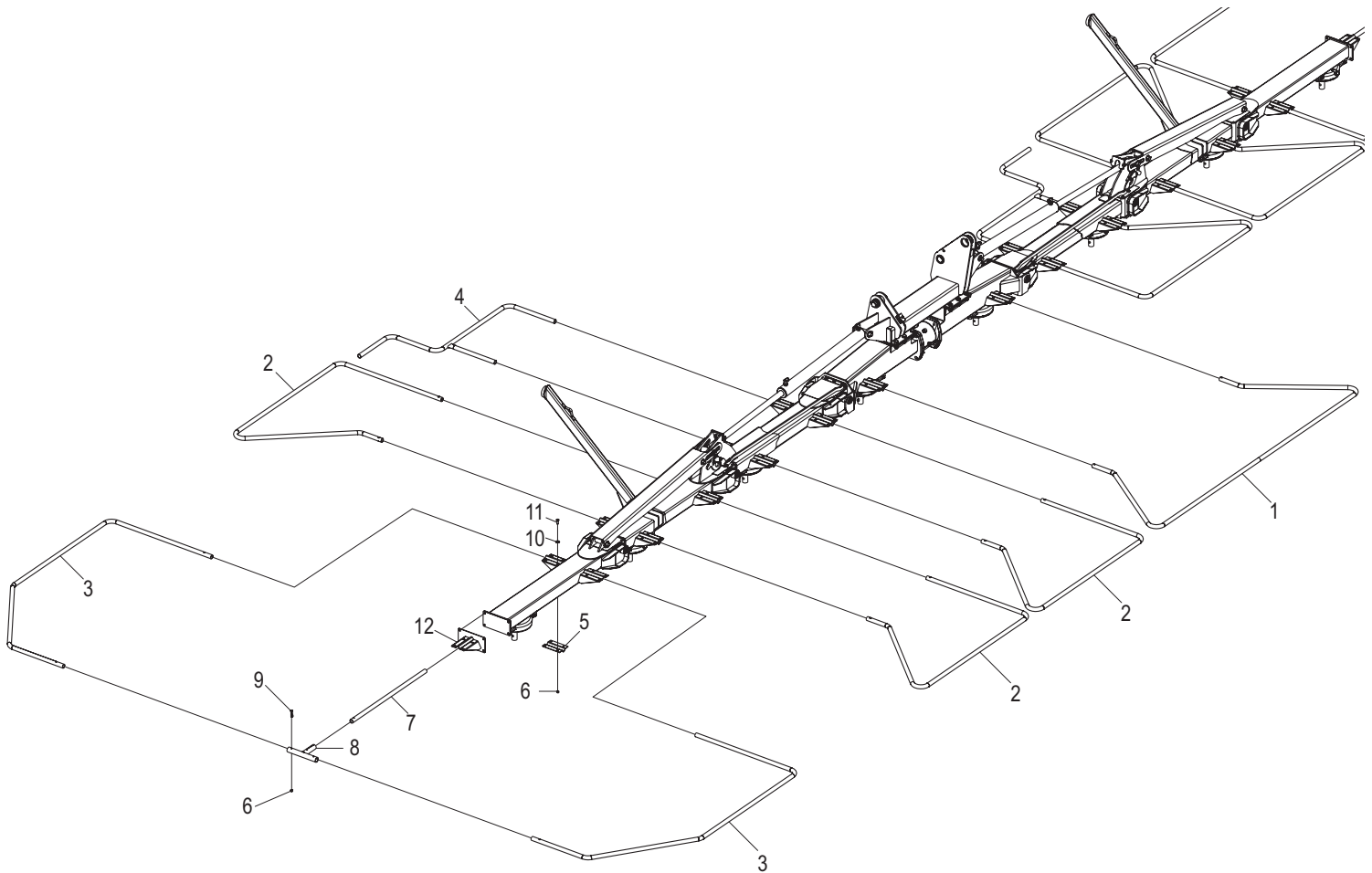
ID	Description	Part #
1	1/2 x 1-1/2 Hex Bolt	000435
2	1/2" Lock Washer	000840
3	1-3/8" 2 Bolt Flange Bearing	505568
4	Drive Shaft	703271
5	3/8" x 6" Hex Bolt	000338
6	PTO Stand	703392
7	3/8" Fender Washer	001105
8	3/8" Nylon Lock Nut	003000
9	2K Side Wind Jack	903317
10	Front PTO Shield	702333
11	1/4" Nylon Lock Nut	003001
12	1/4" Flat Washer	001020
13	1/4" x 3/4" Hex Bolt	000175
14	5/16" Nylon Lock Nut	002999
15	5/16" Flat Washer	001030
16	Hose Support	502288
17	Hose Support Washer	502308
18	5/16" x 1-1/2" Hex Bolt	000225
19	5/8" x 1-3/4" Hex Bolt	000625
20	3/8" Hose Blocks	507300
21	Hose Clamp Top Plate	510630
22	5/16" x 1- 5/16" Hex Bolt with Threadlock	000229
23	5/8" Lock Washer	000860
24	5/8" Hex Nut	000970
25	Operator's Manual Canister	503050
26	1/4" x 3/4" Self Drill Screw	000115
27	5/8" x 1-3/4" Hex Bolt	000625
28	6207-2RS Deep Groove Ball Bearing	703532
29	2-1/2" Grommet	510621
30	5/8" Lock Washer	000860
31	5/8" Hex Nut	000970
32	Front PTO Shaft, Complete	703397

Transport Axle Assembly, S/N 93847+



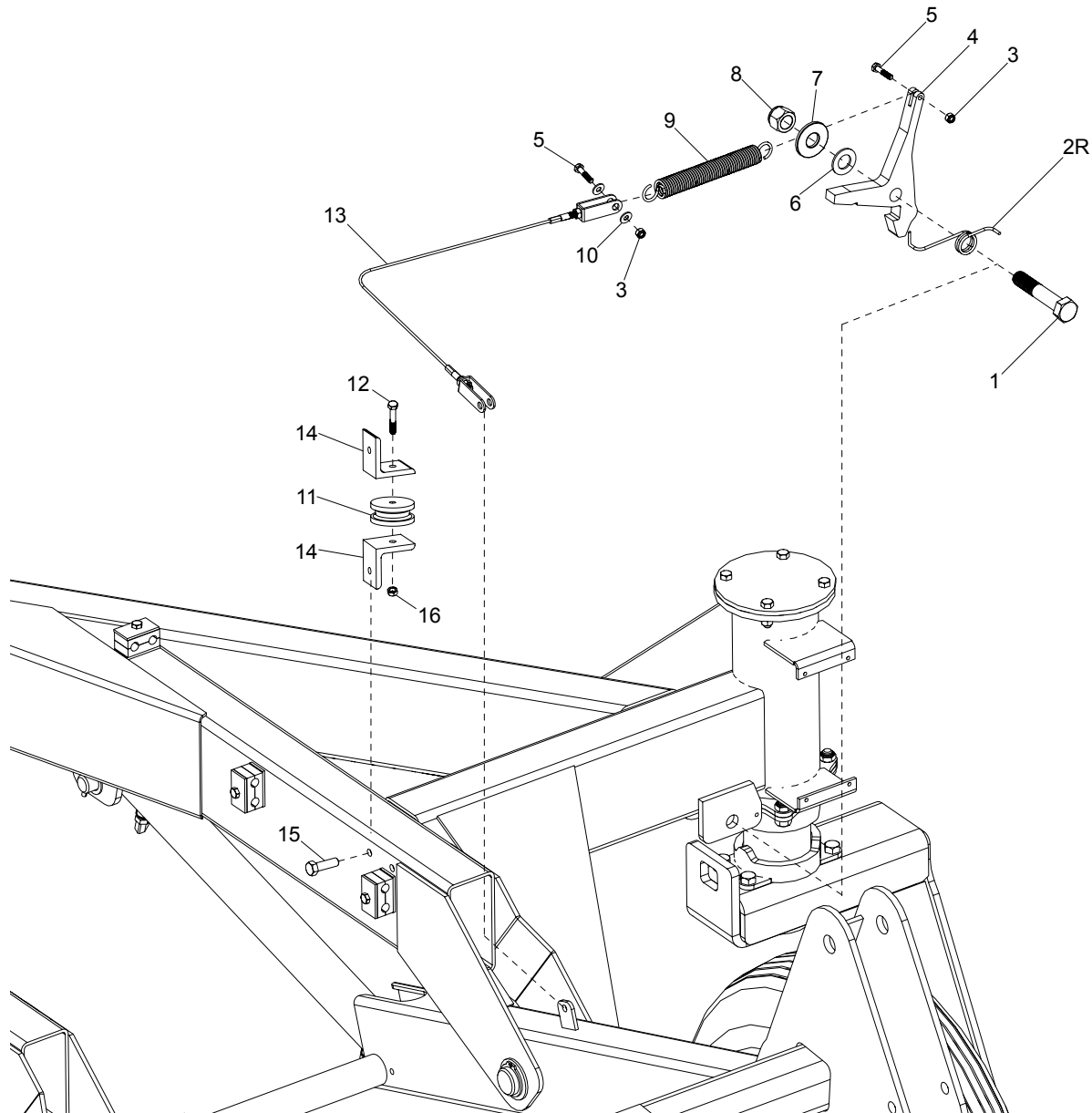
Ref#	Description	Part#	Qty
1	Bolt, 3/8"-16 x 1-1/4"	000275	4
2	Spring Cap	702412	1
3	3-1/2" Ext. Spiral Retaining Ring	702409	1
4	Top Bronze Bushing	702339	1
5	Compression Spring	702370	1
6	3/8" Split Lock Washer	000820	3
7	3/8-16 Hex Nut	000915	3
8	1/4"-28 Spin Drive Fitting	400117	2
9	1/2"-13 Nylon Jam Nut	000752	3
10	Bottom Bronze Bushing	702340	1
11	Top Locking Pipe Assembly	703134	1
12	Bolt, 1/2"-13 x 1"	000405	3
13	Bolt, 1/2"-13 x 1-1/4"	000420	4
14	Bottom Locking Pipe Assembly	703142	1
15L	Left Dolly Frame	703548	1
15R	Right Dolly Frame	703539	1
16	1/2" Nylon Locknut	000950	1
17	Bolt, 1/2" x 3"	000470	1
18	2" x 14" G888 Spindle w/ Crosshole	703550	1
19	Hay Wrap Guard	703574	1
20	G888 Hub Complete	300122	1
21	Airplane Style Tire and Wheel	703557	1
22	1/2" Lug Bolt	300037	6
23	2-1/2" Grommet	510621	1

Guards



Ref#	Description	Part#
1	6100/8100 Middle Guard	703344
2	6100/8100 Middle Wing Guard	703263
3	6100/8100 Outer Guard	703341
4	Inner Guard Weldment	703056
5	Guard Cradle	702696
6	5/16-18 Nylon Lock Nut, Zinc	002999
7	Outer Guard Support Pipe	703337
8	Guard Pipe Connection Weldment	703340
9	5/16-18 x 1-3/4 Hex Head Bolt	000127
10	3/8 USS Flat Washer, Zinc	001035
11	3/8-16 x 1 Hex Head Bolt, Gr.5 Zinc	000270
12	Heavy Duty Guard Sleeve Weldment	703689

Transport Lock Assembly

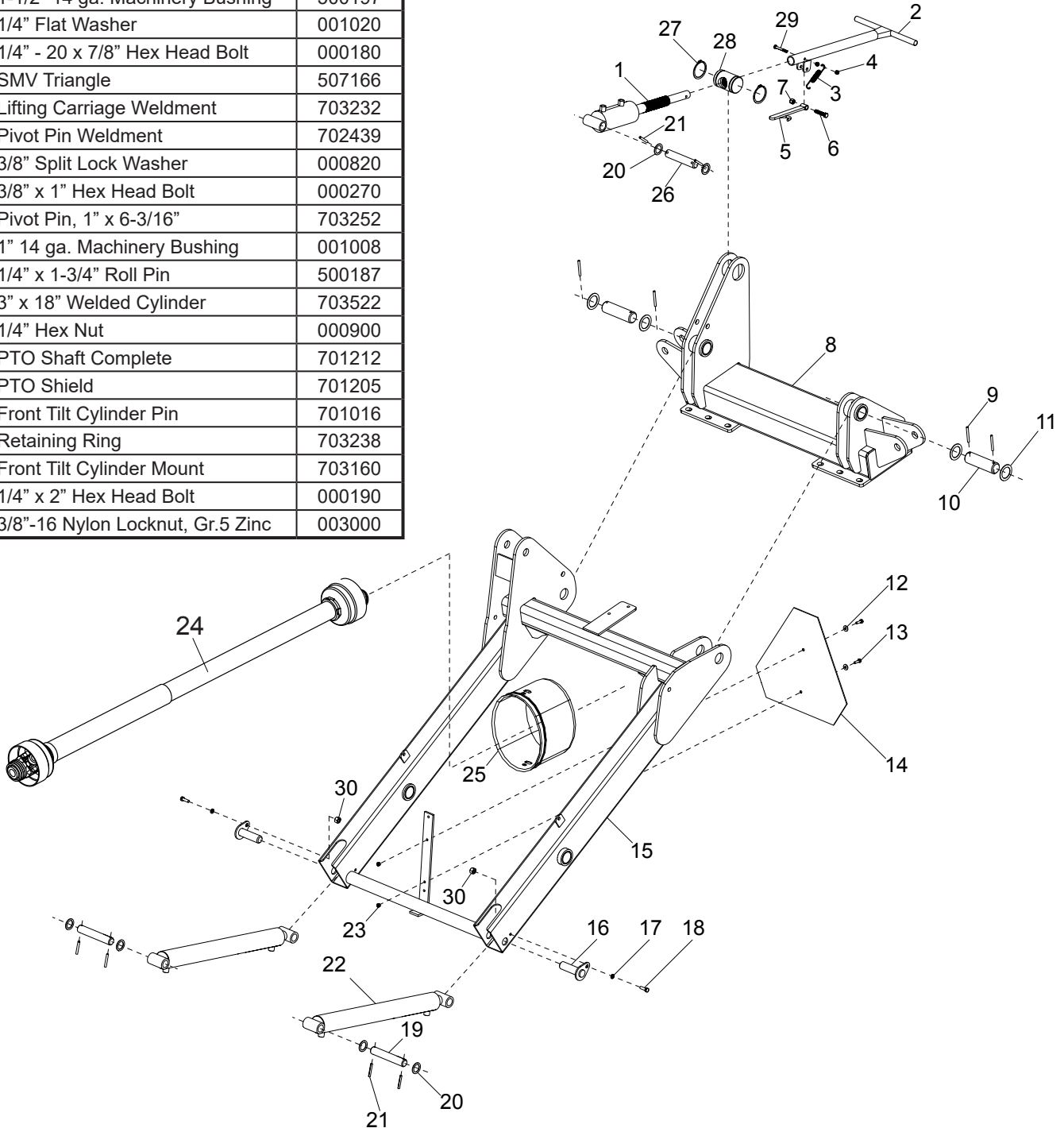


Ref#	Description	Part#
1	3/4" x 4" HHB	000740
2R	Right Transport Lock Spring	703403
2L	Left Transport Lock Spring	703402
3	1/4-20 Nylon Lock Nut	003001
4	Transport Latch	703032
5	1/4-20 x 1-1/4 HHB	000184
6	3/4 USS Flat Washer	001086
7	Large 3/4 USS Flat Washer	001085
8	3/4-10 Nylon Lock Nut	000990

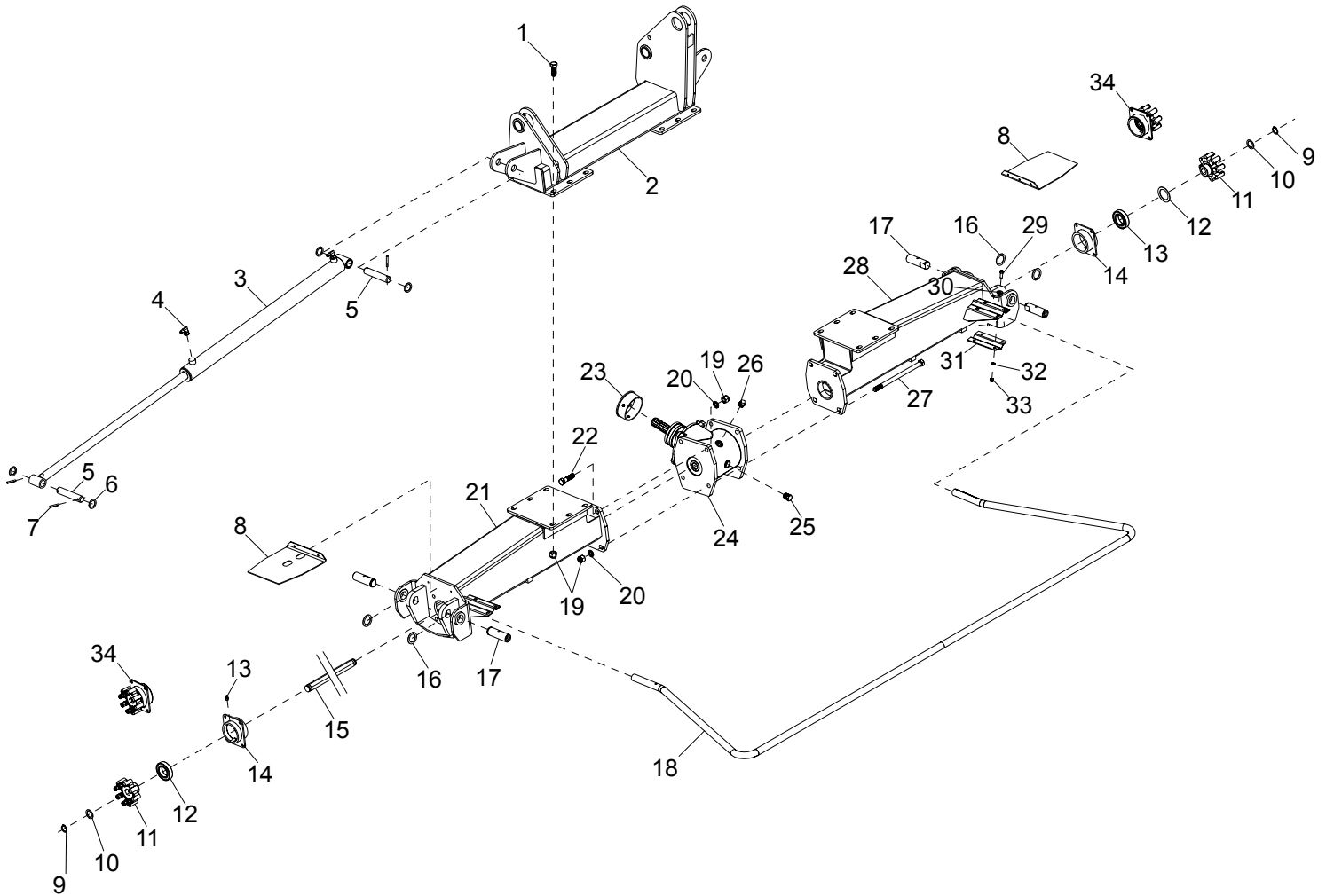
Ref#	Description	Part#
9	Transport Lock Spring	703144
10	3/8" USS Flatwasher	001035
11	Cable Pulley	703028
12	5/16-18 x 2" Hex Head Bolt	000122
13	Transport Latch Cable	703005
14	Pulley Bracket	703393
15	3/8" x 3/4" Serrated Flange Bolt	000246
16	5/16 Nylon Locknut	002999

Lift Frame Assembly

Ref#	Description	Part#
1	Front Tilt Cylinder	703159
2	Front Cylinder Handle	703445
3	Tilt Cylinder Handle Spring	703332
4	1/4" Nylon Lock Nut	003001
5	Tilt Cylinder Latch Weldment	703446
6	3/8 x 1-3/4 Hex Head Bolt	000285
7	3/8 Nylon Lock Nut	003000
8	Tunnel Weldment	703504
9	1/4" x 2" Roll Pin	502282
10	Top Connecting Pin, 1-1/2" x 5"	701102
11	1-1/2" 14 ga. Machinery Bushing	500197
12	1/4" Flat Washer	001020
13	1/4" - 20 x 7/8" Hex Head Bolt	000180
14	SMV Triangle	507166
15	Lifting Carriage Weldment	703232
16	Pivot Pin Weldment	702439
17	3/8" Split Lock Washer	000820
18	3/8" x 1" Hex Head Bolt	000270
19	Pivot Pin, 1" x 6-3/16"	703252
20	1" 14 ga. Machinery Bushing	001008
21	1/4" x 1-3/4" Roll Pin	500187
22	3" x 18" Welded Cylinder	703522
23	1/4" Hex Nut	000900
24	PTO Shaft Complete	701212
25	PTO Shield	701205
26	Front Tilt Cylinder Pin	701016
27	Retaining Ring	703238
28	Front Tilt Cylinder Mount	703160
29	1/4" x 2" Hex Head Bolt	000190
30	3/8"-16 Nylon Locknut, Gr.5 Zinc	003000



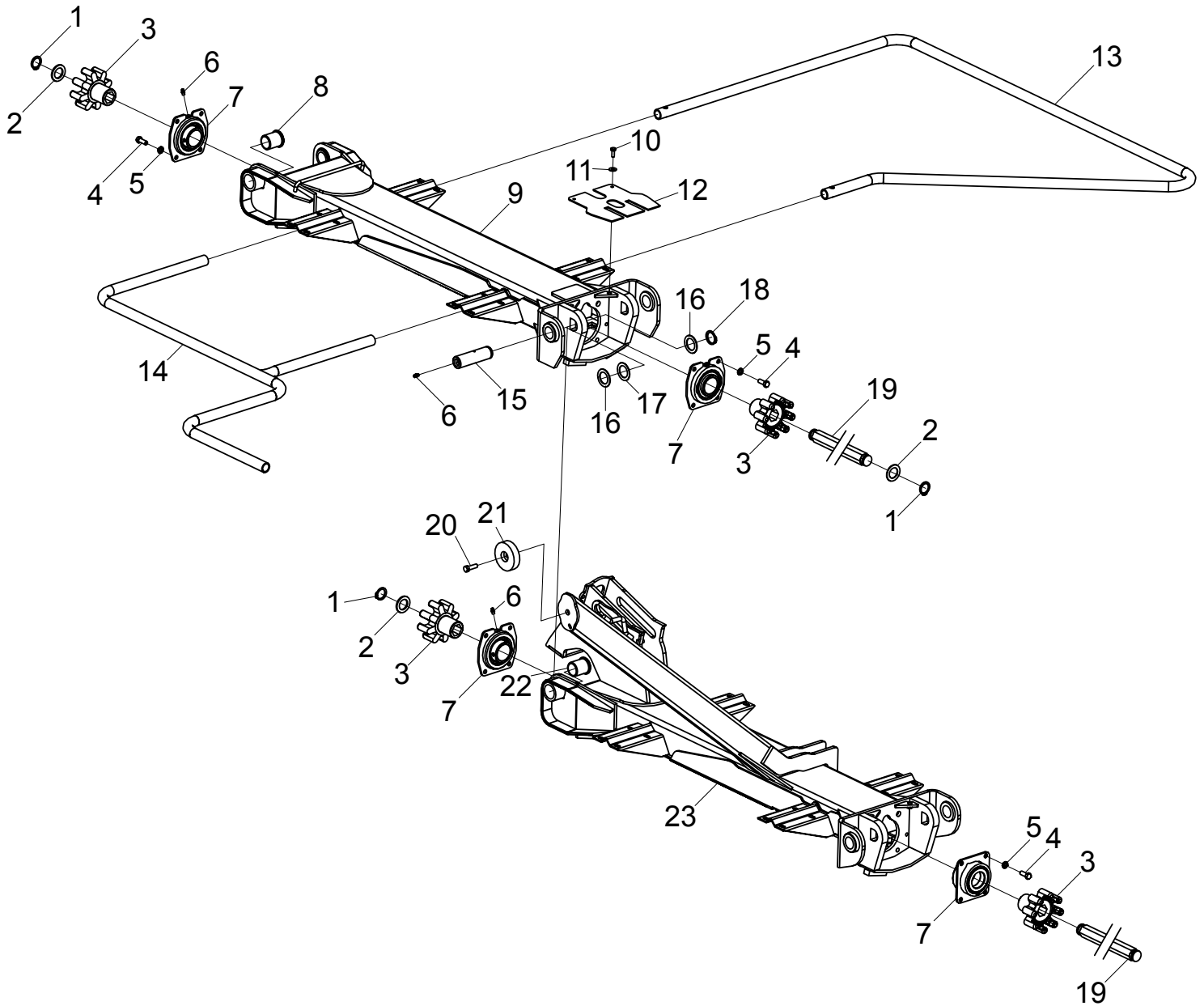
Center Tunnel Assembly



Ref#	Description	Part#
1	5/8-11 x 1-3/4 HHB	000625
2	Top Center Tunnel Weldment	703504
3	2-1/2" x 30" Welded Cross Tube Cylinder	703521
4	Elbow Fitting	507281
5	Cylinder Pin, 1" x 6-3/16"	703252
6	Machinery Bushing	001008
7	1/4" x 1-3/4" Roll Pin	500187
8	Inside Finger Joint Cover	703642
9	1-1/8" Snap Ring	703657
10	1-1/8" x 1-3/4" 14 Ga. Machinery Bushing	001018
11	Open Finger Drive	703628
12	Finger Joint Bearing	703639
13	Grease Fitting	400117
14	Finger Joint Bearing Holder	
15	Center Hex Shaft	703627
16	18 Gauge Shim Washer	703588
17	Wing Pivot Pin	703052

Ref#	Description	Part#
18	Center Guard	703344
19	5/8" Nylon Lock Nut	000972
20	5/8 Split Lock Washer	000860
21	Left Center GB Weldment	703488
22	5/8"-11 x 2.25" HHB	000626
23	PTO Shield Mounting Bracket	703145
24	Center Gearbox Asm	703561
25	Hex-Head Plug	703115
26	Solid Square-Head Plug	703116
27	5/8"-11 x 10" HHB	000690
28	Right Center GB Weldment	703487
29	3/8-16 x 1 Hex Head Bolt, Gr.5	000270
30	3/8 USS Flat Washer, Zinc	001035
31	Guard Cradle	702696
32	3/8-16 Nylon Lock Nut, Zinc	003000
33	Spherical O.D. Bearing Insert	703630
34		

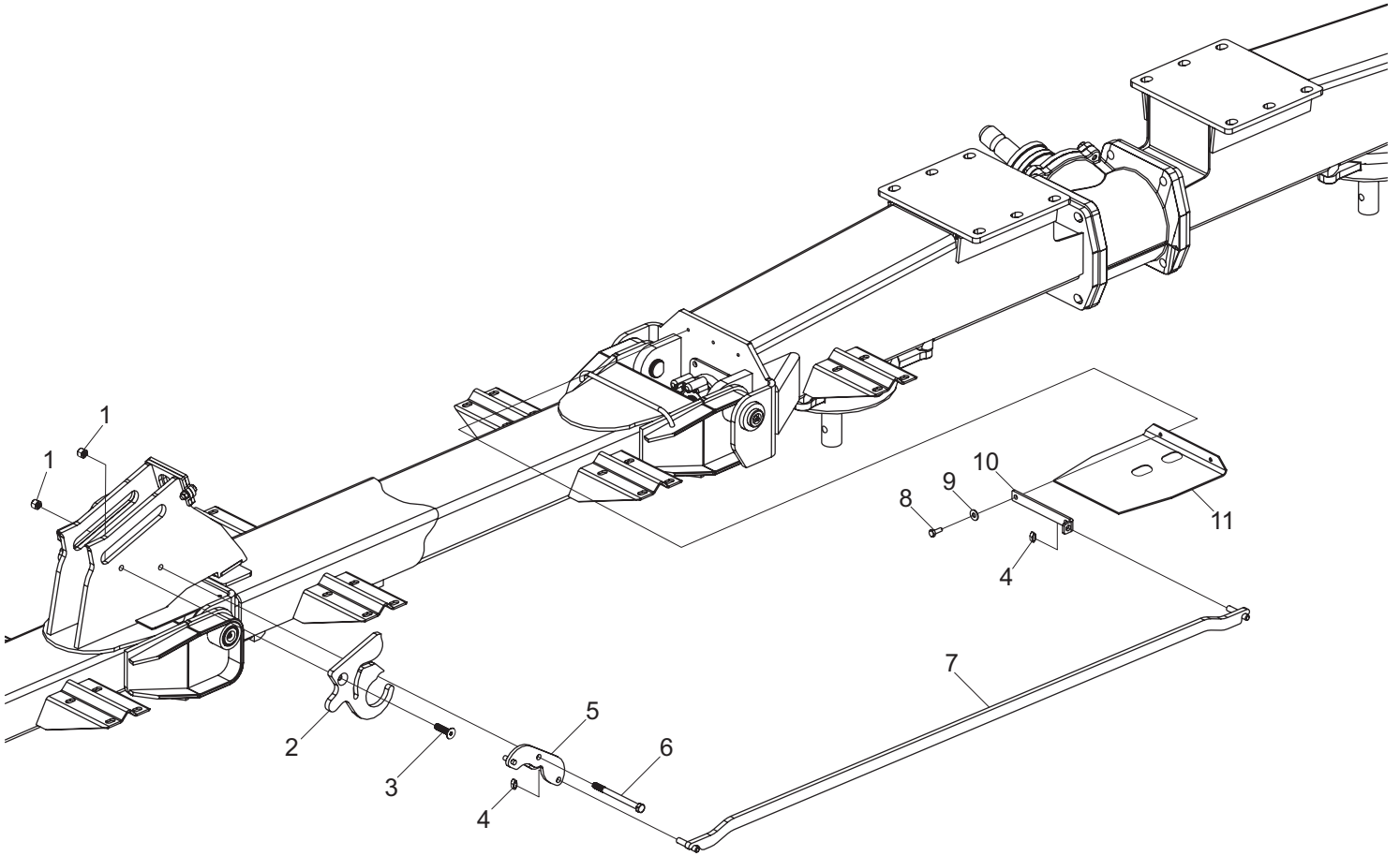
Middle Wings



Ref#	Description	Part#
1	1.125 H.D. External Snap Ring	703657
2	1.125" x 1.750" 10 Ga. Machine	001017
3	8 Point Finger Drive (1.125" H	703628
4	3/8-16 x 1 Hex Head Bolt, Gr.5	000270
5	3/8 Lock Washer, Zinc	000820
6	1/4-28 Spin-drive Grease	400117
7	Spherical O.D. Bearing Insert	703630
8	1.250 x 1.750 Flange Bushing	703535
9	8101 Base Wing Weldment	703490
10	1/4-20 x 3/4 Hex Head Bolt, Gr. 5	000175
11	1/4 USS Flat Washer, Zinc	001020
12	Middle Finger Cover, 8101	703711

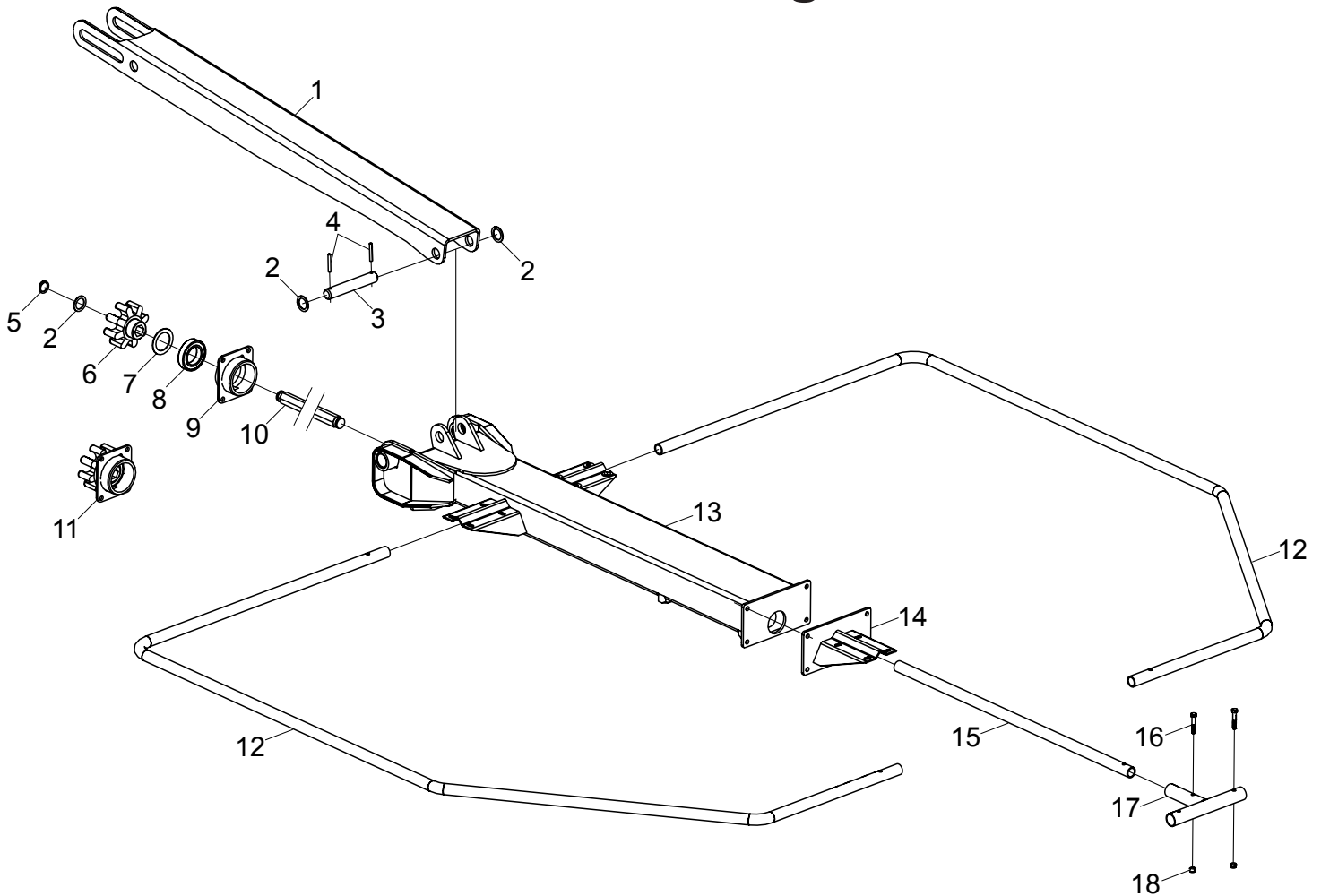
Ref#	Description	Part#
13	6100, 8100 Middle Wing Guard	703263
14	Inner Guard Weldm	703056
15	Wing 1.250" D Pin	703052
16	1-1/4 x 1-7/8 Machinery Bushin	500185
17	1-1/4" x 1-7/8" 18 Ga. Machine	703588
18	Heavy Duty Ext Retaining Ring,	702826
19	8100 Middle Wing Hex Shaft	703205
20	3/8-16 x 1-1/4 Hex Head Bolt,	000275
21	Wing Bumper	703324
22	1.250 x 1.750 Flange Bushing	703535
23	Middle Wing Weldment, Left	703495

Cylinder Linkage Assembly



Ref#	Description	Part#
1	3/8" Nylon Lock Nut	003000
2	Left Cylinder Latch Plate	703513
3	3/8" x 1-1/2" Flat Head Cap Screw	703577
4	3/8 Top Lock Jam Nut	003002
5	Left Latching Cam Assembly	703519
6	3/8" x 4-1/2" Hex Head Bolt	000325
7	Cylinder Latch Link	703817
8	1/4" x 7/8" Hex Head Bolt	000180
9	1/4" USS Flat Washer	001020
10	Linkage Pivot Base	703516
11	Inside Finger Joint Cover	703131

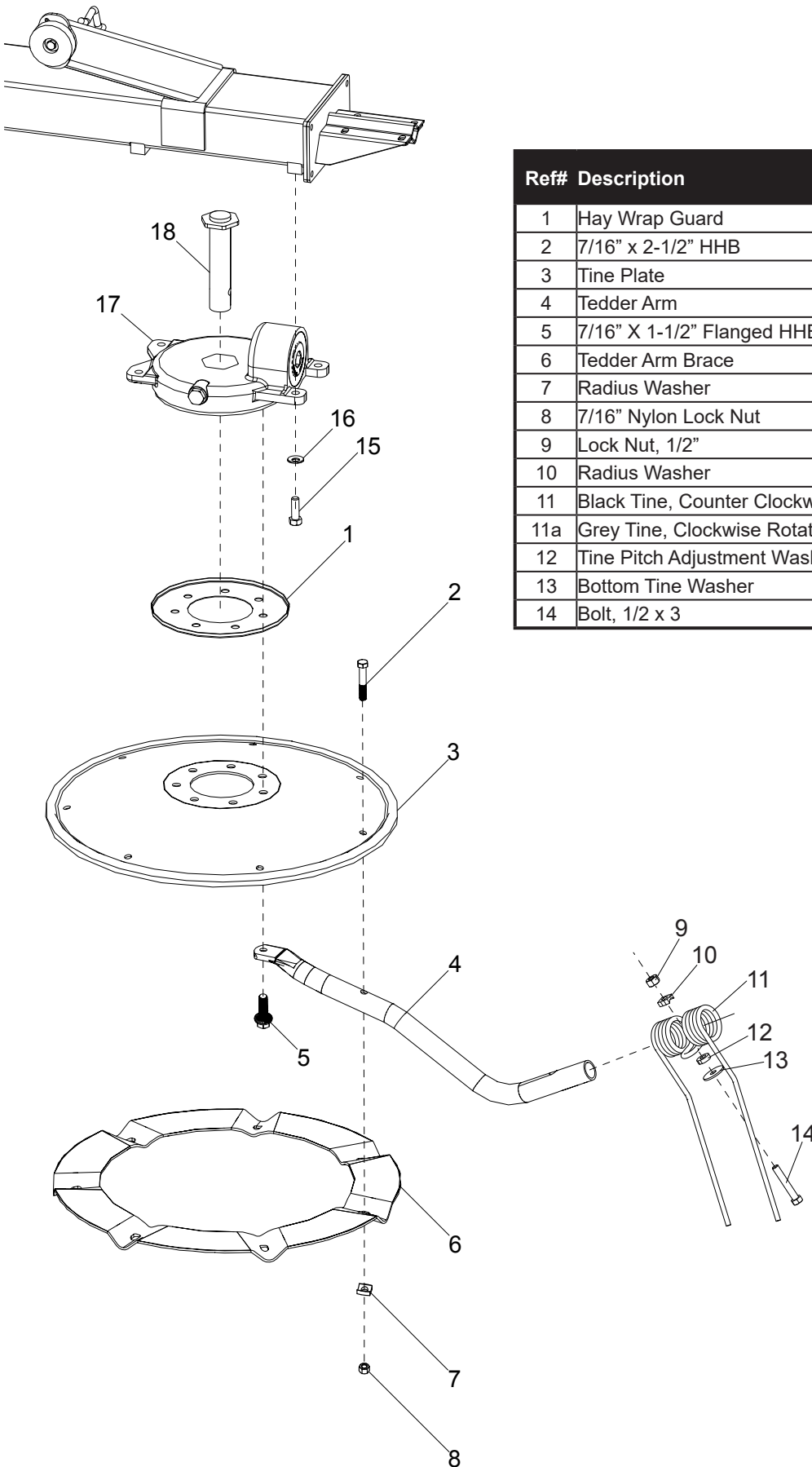
Outer Wing



Ref#	Description	Part#
1	End Wing Lifting Link	703503
2	1" X 1-1/2 Machinery Bushing 14 Ga.	001008
3	Axel/Cylinder Pin	703252
4	1/4 X 1-3/4 Roll Pin Zinc	500187
5	1" Heavy Duty Ext. Retaining Ring	702883
6	Hex Drive Open Finger Drive	702908
7	Finger Joint Spacer	702668
8	6009-2RS/C3 Bearing	403789
9	Bearing Weldment	702877

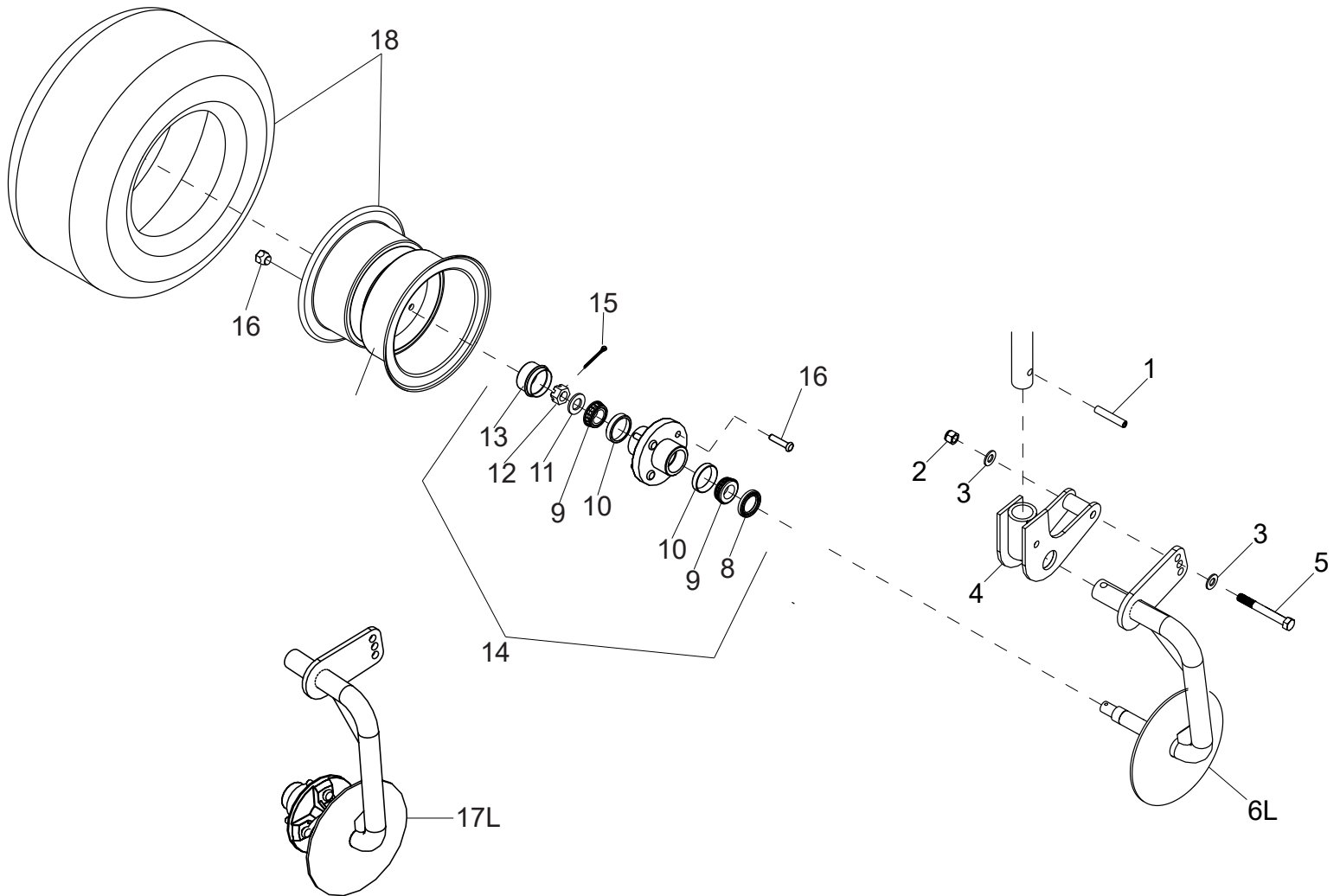
Ref#	Description	Part#
10	8100 Outer Wing Hex Shaft	703207
11	Finger And Bearing Weld/Fab Assembly	702874
12	Outer Guard	703341
13	End Wing Weldment, 8101	703497
14	Heavy Duty Guard Sleeve Weldment	703689
15	Outer Guard Support Pipe	703337
16	5/16-18 X 1-3/4 Hex Head Bolt	000127
17	Guard Pipe Connection Weldment	703340
18	5/16-18 Nylon Lock Nut, Zinc	002999

Rotor & Tine Arm



Ref#	Description	Part#	Qty (per rotor)	Qty (per unit)
1	Hay Wrap Guard	702734	1	6
2	7/16" x 2-1/2" HHB	000375	7	42
3	Tine Plate	702714	1	6
4	Tedder Arm	702718	7	42
5	7/16" X 1-1/2" Flanged HHB	000725	7	42
6	Tedder Arm Brace	700942	1	6
7	Radius Washer	701008	7	42
8	7/16" Nylon Lock Nut	000385	7	42
9	Lock Nut, 1/2"	000950	7	42
10	Radius Washer	701008	7	42
11	Black Tine, Counter Clockwise	700901	7	21
11a	Grey Tine, Clockwise Rotation	700929	7	21
12	Tine Pitch Adjustment Washer	701005	7	42
13	Bottom Tine Washer	701004	7	42
14	Bolt, 1/2 x 3	000471	7	42

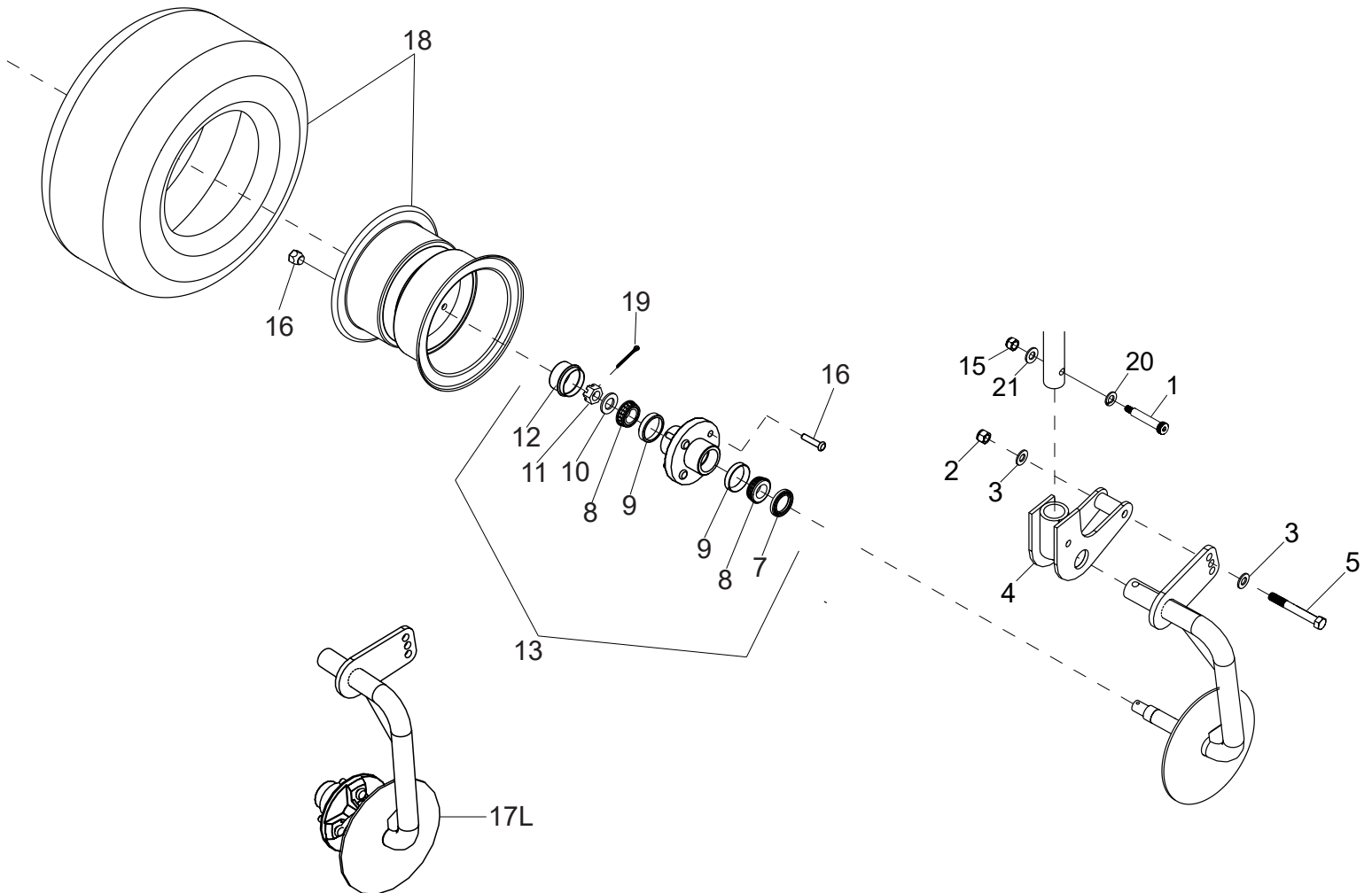
Axle Assembly S/N -95000



Ref#	Description	Part#	Qty (per axle)
1	12 x 60 Spiral Roll Pin	702019	1
2	1/2"-13 Nylon Lock Nut	000950	1
3	1/2" SAE Flat Washer	001061	2
4	Spindle Tube Weldment	702729	1
5	1/2" -13 x 4" HHB	000490	1
6	Spindle Weldment	N/A	1
7	Wheel Cover Assembly	701002	1
8	Grease Seal	500201	1
9	Bearing, L44643	500202	2
10	Race, L44610	500204	2
11	Spindle Washer	500206	
12	Spindle Nut	500207	1

Ref#	Description	Part#	Qty (per axle)
13	Dust Cap	500209	1
14	Complete Hub	500199	1
15	Cotter Pin	500208	1
16	Lug Bolt (for threaded hub)	500210	4
	Stub Bolt (drive in)	508505	4
	Lug Nut (for drive in stud)	508506	4
17L	Left Spindle and Hub Package	702912	1
17R	Right Spindle and Hub Package	702913	1
18	Tire & Wheel Assembly	500220	1

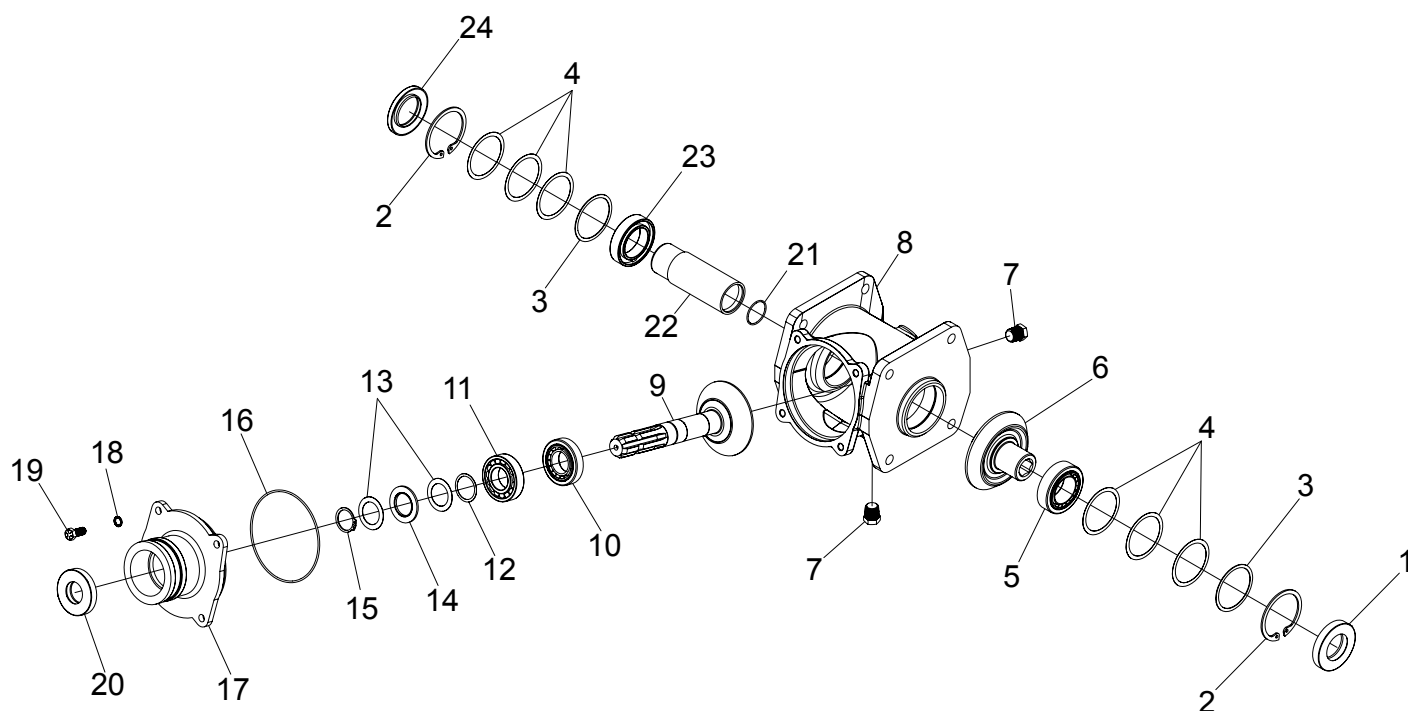
Axle Assembly 95000+



Ref#	Description	Part#	Qty (per axle)
1	3/8" x 2-1/2 x 5/16" Shoulder Bolt	703772	1
2	1/2"-13 Nylon Lock Nut	000950	1
3	1/2" SAE Flat Washer	001061	2
4	Spindle Bracket Assembly (Bolted)	703763	1
5	1/2" -13 x 4" HHB	000490	1
6	Spindle Weldment	703761	1
	Wheel Cover Assembly	701002	1
7	Grease Seal	500201	1
8	Bearing, L44643	500202	2
9	Race, L44610	500204	2
10	Spindle Washer	500206	1
11	Spindle Nut	500207	1
12	Dust Cap	500209	1

Ref#	Description	Part#	Qty (per axle)
13	Complete Hub	500199	1
15	3/8" Nylon Lock Nut, Zinc	003000	1
16	Lug Bolt (for threaded hub)	500210	4
	Stub Bolt (drive in)	508505	4
	Lug Nut (for drive in stud)	508506	4
17L	Left Spindle and Hub Package	702912	1
17R	Right Spindle and Hub Package	702913	1
18	Tire & Wheel Assembly	500220	1
19	Cotter Pin	500208	1
20	1/2 Lock Washer, Zinc	000840	1
21	3/8" USS Flat Washer, Zinc	001035	1

Input Gearbox Assembly

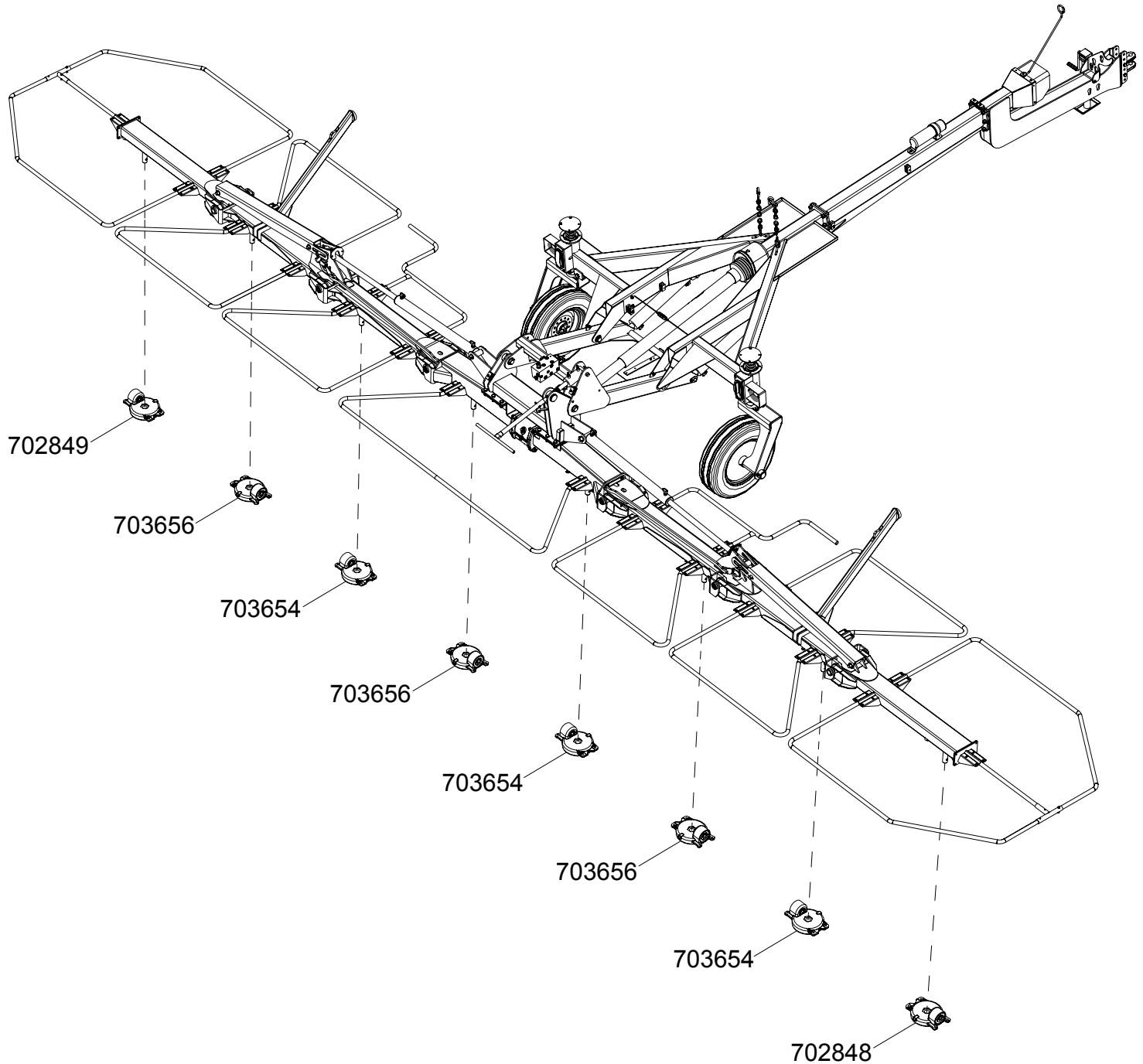


Ref#	Description	Part#
1	Oil Seal,- 45Mm X 80Mm X 13Mm	702655
2	Int. Retaining Ring, 80Mm, Din 472-080	702643
3	Retaining Ring Washer	702661-36
4	Center Gear Shim 0.003" Thick	702661-003
5	33109 Taper Bearing Set	702841
6	20T Hardened Center Gear	703527
7	X100 Series Plug	703115
8	Center Gearbox 17X20	703560
9	17T Hardened Pinion	703526
10	30207 Tapered Roller Bearing	703564
11	6207 Open Ball Bearing	702644
12	Disk Spring Shim, Center Gearbox	703590-003

Ref#	Description	Part#
13	30 Lb Disk Spring- Bearing Preloader	703566
14	Gearbox Disk Spring Holder	703567
15	Ext. Retaining Ring, 35Mm	702648
16	Input Cap O-Ring	703659
17	Input Shaft Housing For Tapered Roller Bearing	703563
18	7/16 Serrated Safety Washer, 0130155	702663
19	7/16-20 X 1 Hex Head Bolt Gr. 8	000349
20	Oil Seal,- 35Mm X 72Mm X 12Mm	702656
21	O-Ring	702646
22	Input Gear Spacer For 17x20 HDGB	703653
23	6010 Open Ball Bearing	702638
24	Oil Seal,- 50Mm X 80Mm X 8Mm	702654
	Complete High Speed Center Gearbox	703561

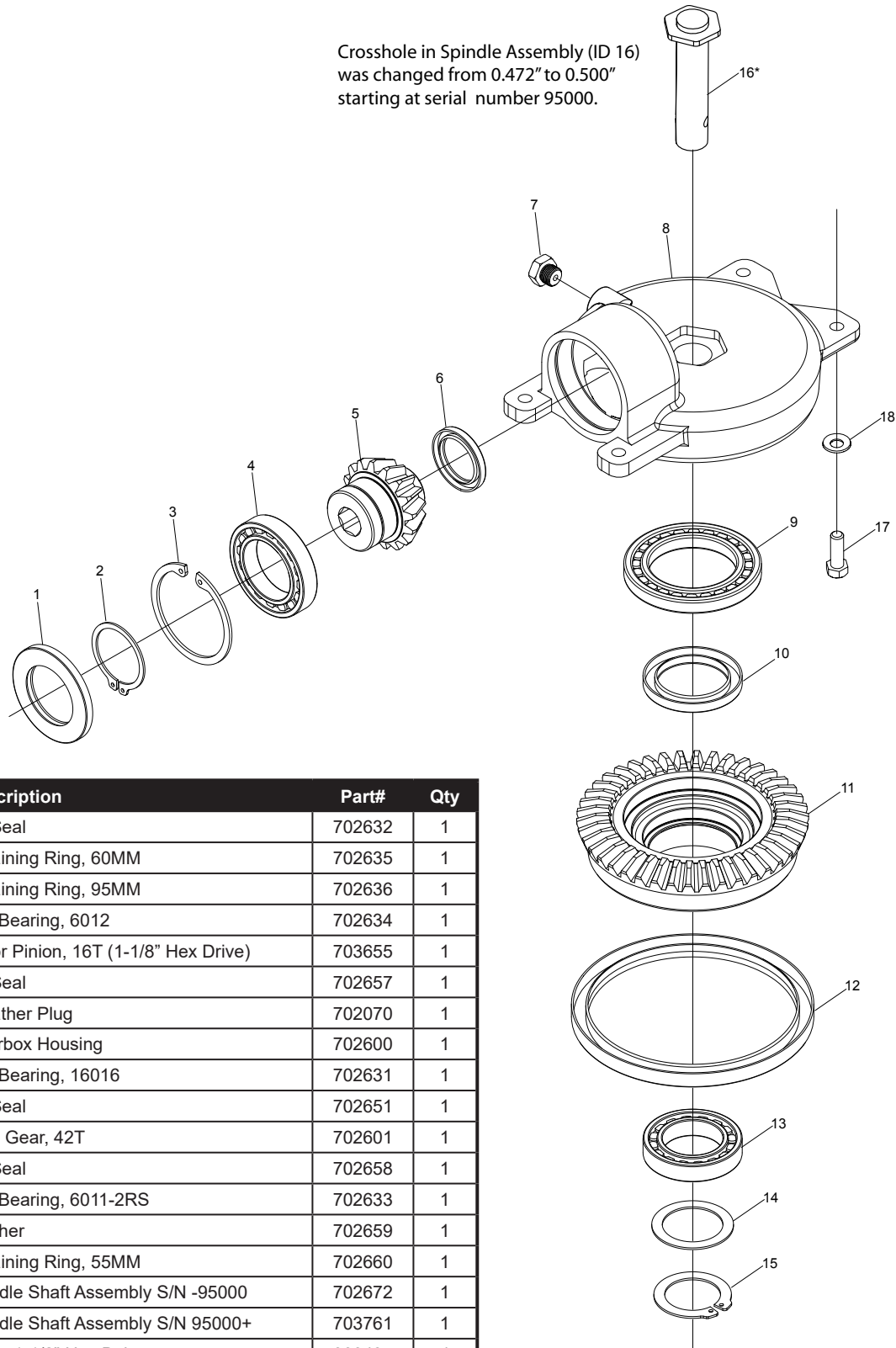
Rotary Gearboxes (Overview)

Use this page to determine which page to use for gearbox breakdown. Note that the outer two wings use a 1" hex shaft and therefore require a 1" pinion gear. All other hex shafts are 1-1/8" hex shafts.



Rotor Gearbox Assemblies (703654, 703656)

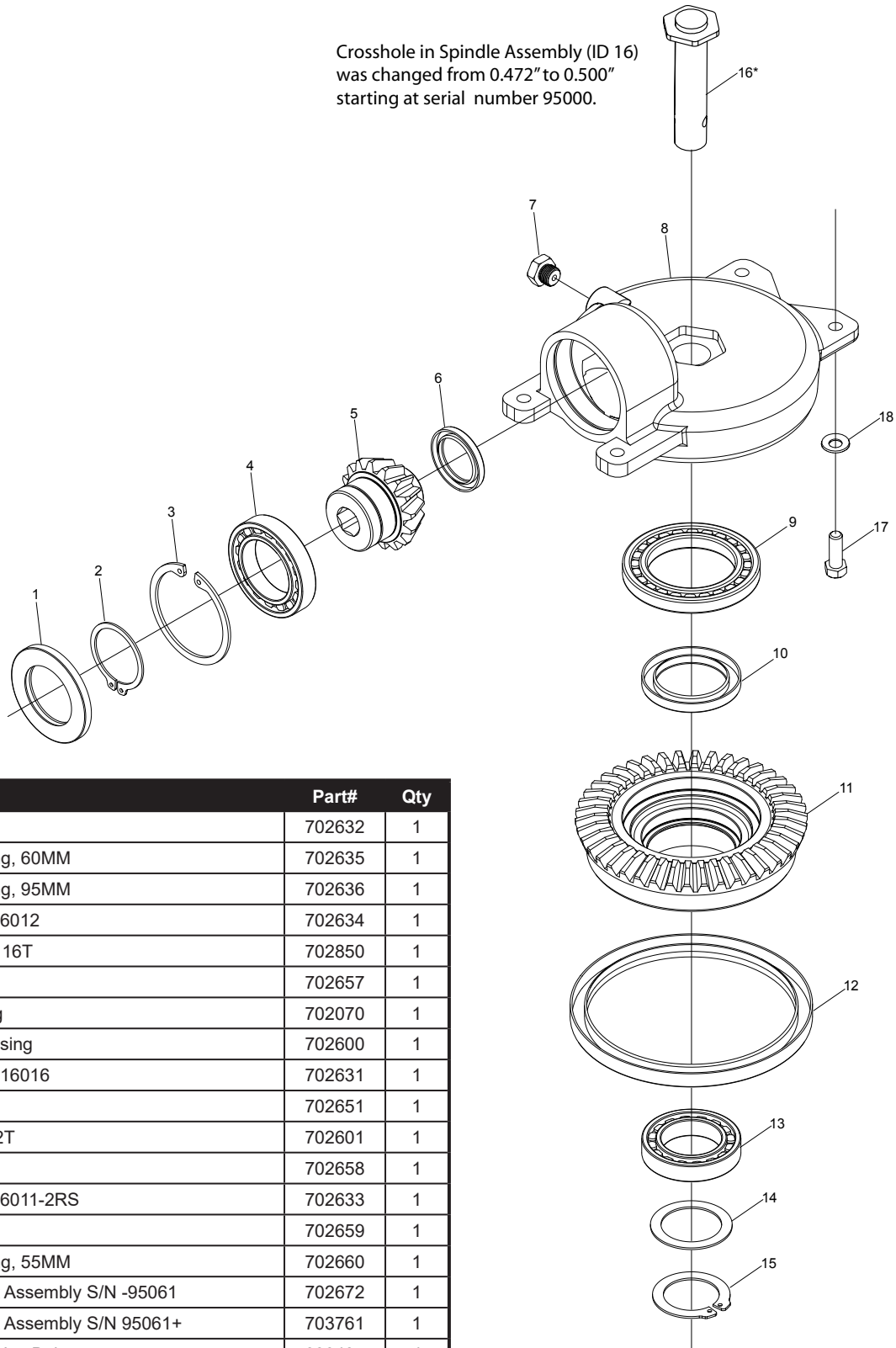
Crosshole in Spindle Assembly (ID 16)
was changed from 0.472" to 0.500"
starting at serial number 95000.



Ref#	Description	Part#	Qty
1	Oil Seal	702632	1
2	Retaining Ring, 60MM	702635	1
3	Retaining Ring, 95MM	702636	1
4	Ball Bearing, 6012	702634	1
5	Rotor Pinion, 16T (1-1/8" Hex Drive)	703655	1
6	Oil Seal	702657	1
7	Breather Plug	702070	1
8	Gearbox Housing	702600	1
9	Ball Bearing, 16016	702631	1
10	Oil Seal	702651	1
11	Ring Gear, 42T	702601	1
12	Oil Seal	702658	1
13	Ball Bearing, 6011-2RS	702633	1
14	Washer	702659	1
15	Retaining Ring, 55MM	702660	1
16a	Spindle Shaft Assembly S/N -95000	702672	1
16b	Spindle Shaft Assembly S/N 95000+	703761	1
17	1/2" x 1-1/2" Hex Bolt	000435	4
18	1/2" Serrated Washer	702821	4
	Complete Rotor Gearbox, Timed for CW	703654	
	Complete Rotor Gearbox, Timed for CCW	703656	

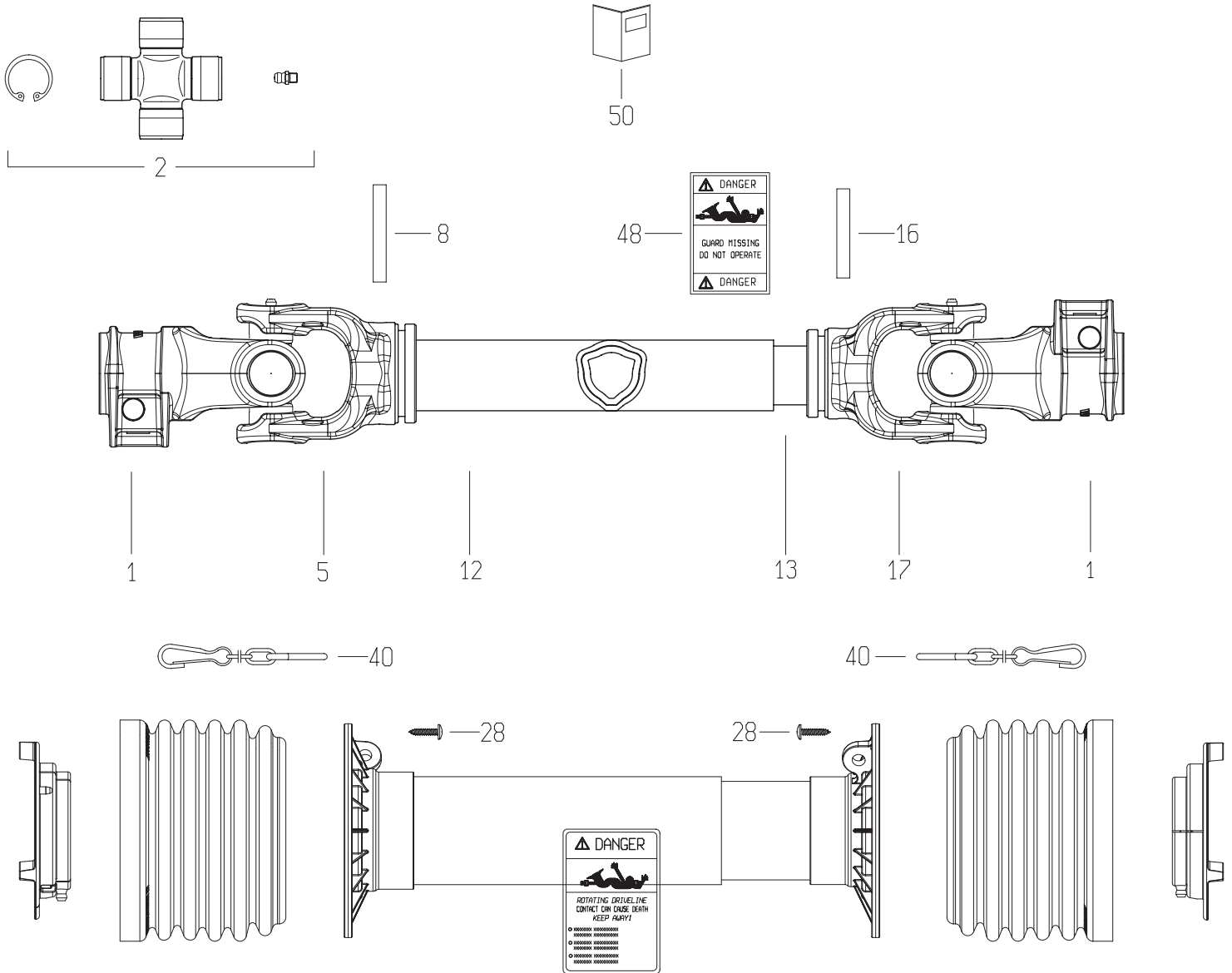
Rotor Gearbox Assemblies (702848, 702849)

Crosshole in Spindle Assembly (ID 16)
was changed from 0.472" to 0.500"
starting at serial number 95000.



Ref#	Description	Part#	Qty
1	Oil Seal	702632	1
2	Retaining Ring, 60MM	702635	1
3	Retaining Ring, 95MM	702636	1
4	Ball Bearing, 6012	702634	1
5	Rotor Pinion, 16T	702850	1
6	Oil Seal	702657	1
7	Breather Plug	702070	1
8	Gearbox Housing	702600	1
9	Ball Bearing, 16016	702631	1
10	Oil Seal	702651	1
11	Ring Gear, 42T	702601	1
12	Oil Seal	702658	1
13	Ball Bearing, 6011-2RS	702633	1
14	Washer	702659	1
15	Retaining Ring, 55MM	702660	1
16a	Spindle Shaft Assembly S/N -95061	702672	1
16b	Spindle Shaft Assembly S/N 95061+	703761	1
17	1/2" x 1-1/2" Hex Bolt	000435	4
18	1/2" Serrated Washer	702821	4
	Complete Rotor Gearbox, Timed for CW	702849	
	Complete Rotor Gearbox, Timed for CCW	702848	

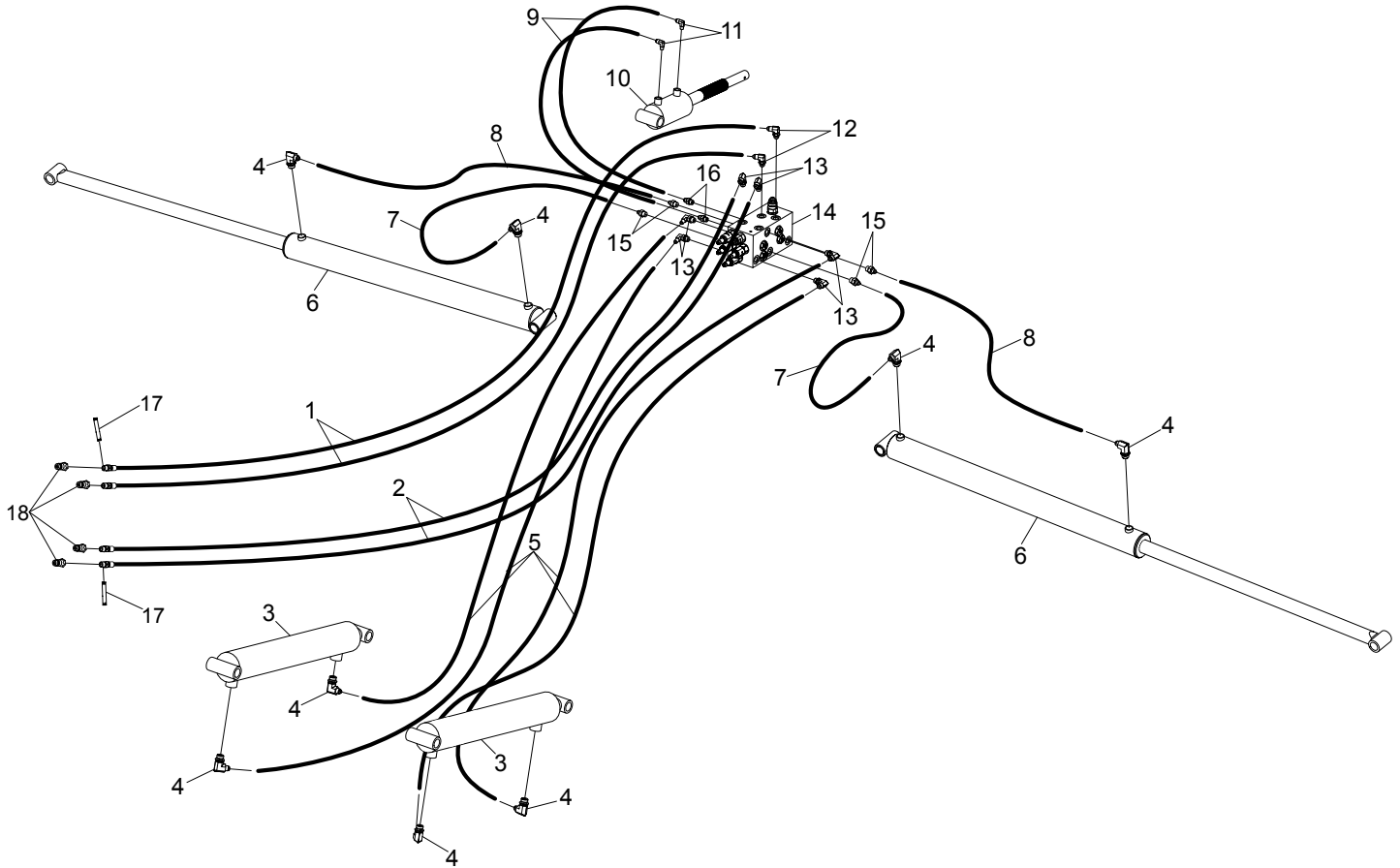
Rear PTO Shaft Assembly



Ref#	Description	Part#
1	Yoke #4/S4 1-3/8"Z6 Shrouded Pin (007)	500427
2	Cross Kit S4-G4 27X74.6 Cap Zerk	500428
5	Tube Yoke #4-G4 Outer (43.5)	500429
8	Flexible Roll Pin 8X60 Din1481	500430
12	Cardan Tube Outer 12508 L=1170	703829
13	Cardan Tube Inner 12507 L=1170	703830
16	Flexible Roll Pin 8X55 Din1481	500433
17	Tube Yoke #4-G4 Inner (36.0)	500434
26	Shield Support Outer G3-G4	500436

Ref#	Description	Part#
28	Screw 4.8X22 Self Tap Zinc	500417
32	Shield Support Inner G3-G4	500437
40	Shield Chain W/S-Hook L=500Mm	500420
48	Label - Danger - Outer Drive Tube	500421
49	Label - Danger - Outer Shield Tube	500422
50	Instruction Booklet - N.america Global	500423
93	Half Shaft Cleared	703831
94	Half Shaft Cleared	703832
97	Complete Shield Kit	703833

Hydraulics



Ref#	Description	Part#
1	1/4" x 273" Hose Assembly (4FJX & 8MP)	703587
2	3/8" x 273" Hose Assembly (6FJX & 8MP)	703586
3	3" x 18" Welded Cross Tube Cylinder	703522
4	90° Fitting (6MJ x 8MB)	507281
5	3/8" x 72" Hose Assembly (6FJX & 4FJX)	703583
6	2-1/2" x 30" Welded Cross Tube Cylinder	703521
7	3/8" x 34-1/2" Hose Assembly (6FJX & 6FJX)	703584
8	3/8" x 61" Hose Assembly (6FJX & 6FJX)	703585
9	1/4" x 15.5" Hose Assembly (4FJX & 4FJX)	703379
10	Front Tilt Cylinder	703159
11	Elbow Fitting, 4MJ x 4MP	702459
12	90° Fitting (4MJ x 6MB)	700907
13	90° Fitting (6MJ x 6MB)	101022
14	Manifold Block	703288
15	Straight Fitting (6MJ x 6MB)	507283
16	Straight Fitting, 4MJ x 4MB	290195
17	White Nylon Tape	703483
18	Male Ag Quick Coupler	290105