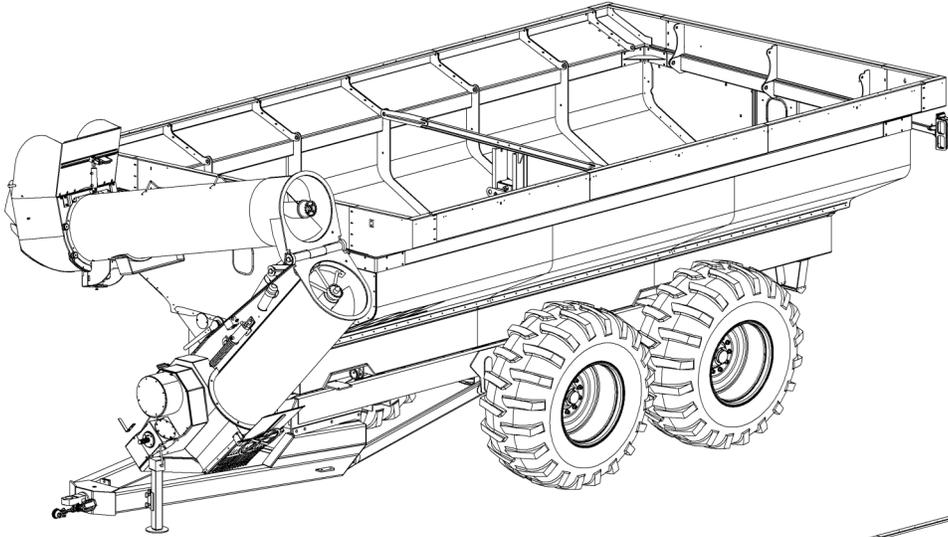
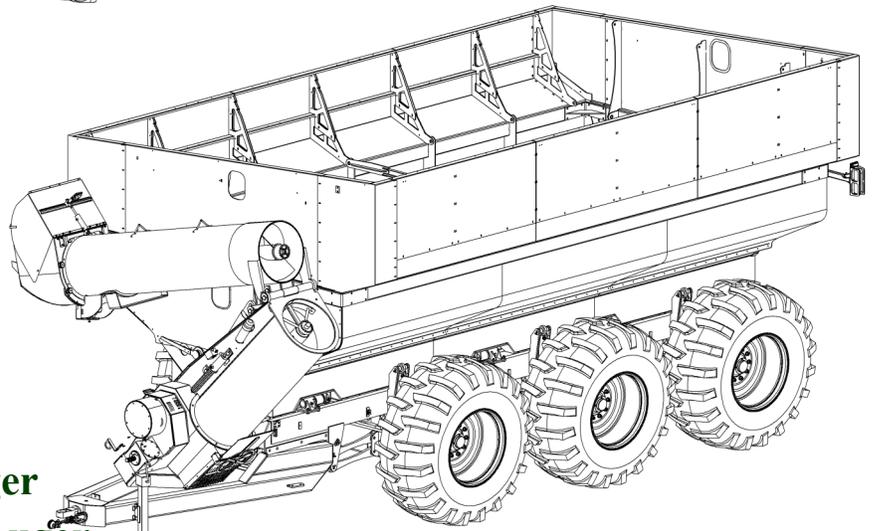


THE FIELD FLOATER

High Capacity Grain Carts



1325 Bushel Extension
1550 Bushel Extension
2000 Bushel Extension
Swivel Upper Vertical Auger
Standard Upper Vertical Auger



PARTS MANUAL

May 2010

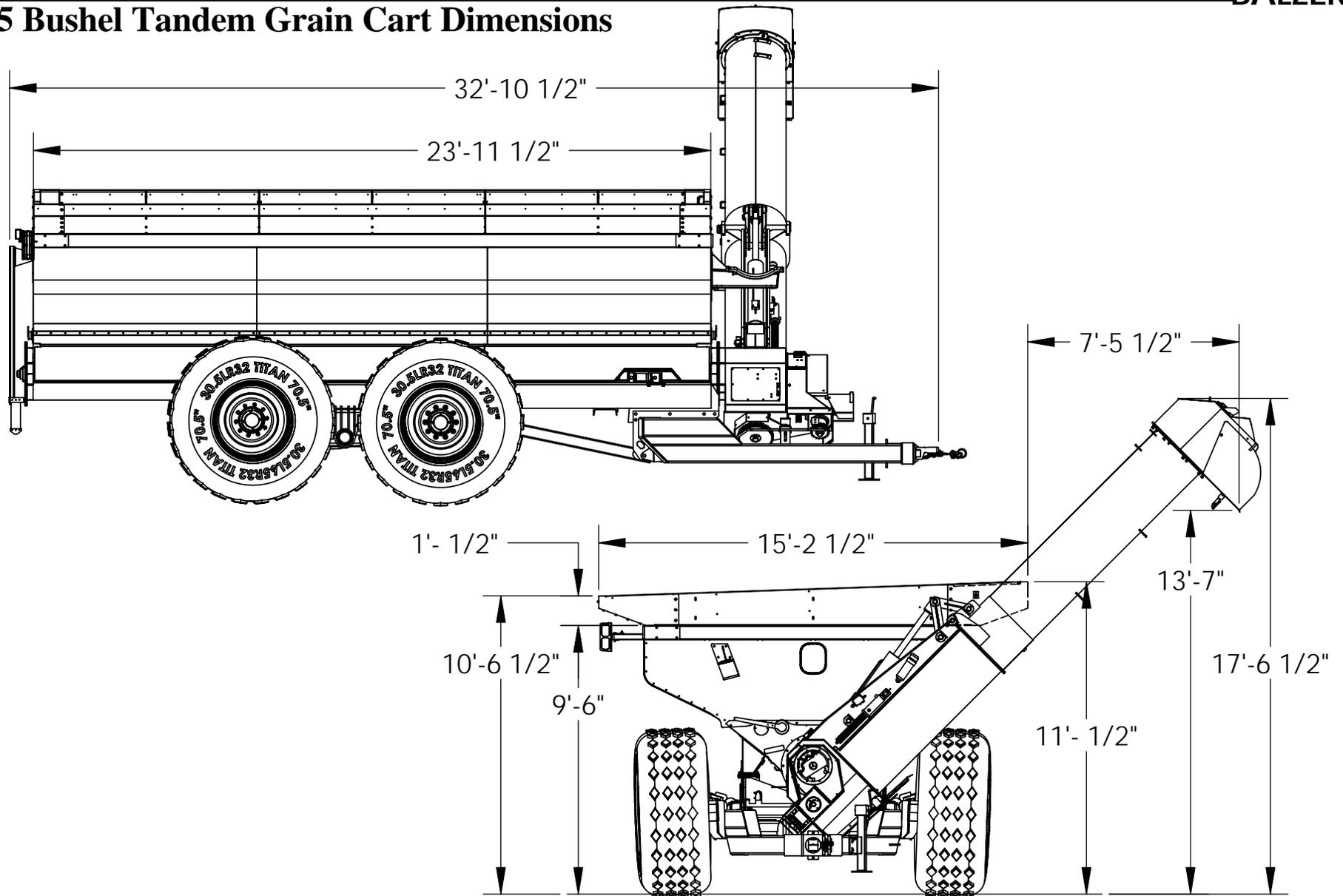
English Edition



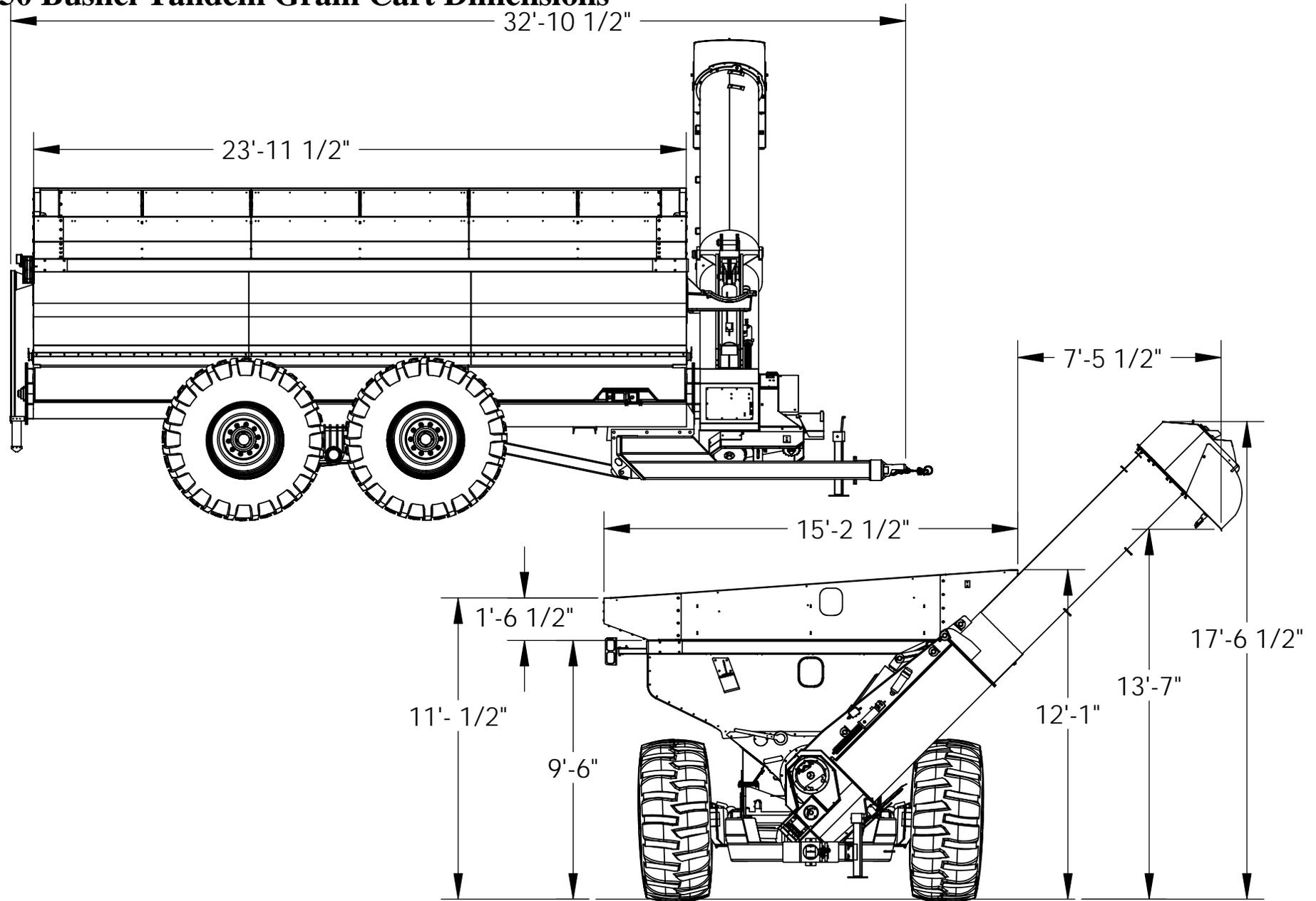
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Grain Cart Gearbox.....	Page 43
Grain Cart Upper Vertical Auger.....	Page 45
Grain Cart Extensions.....	Page 65

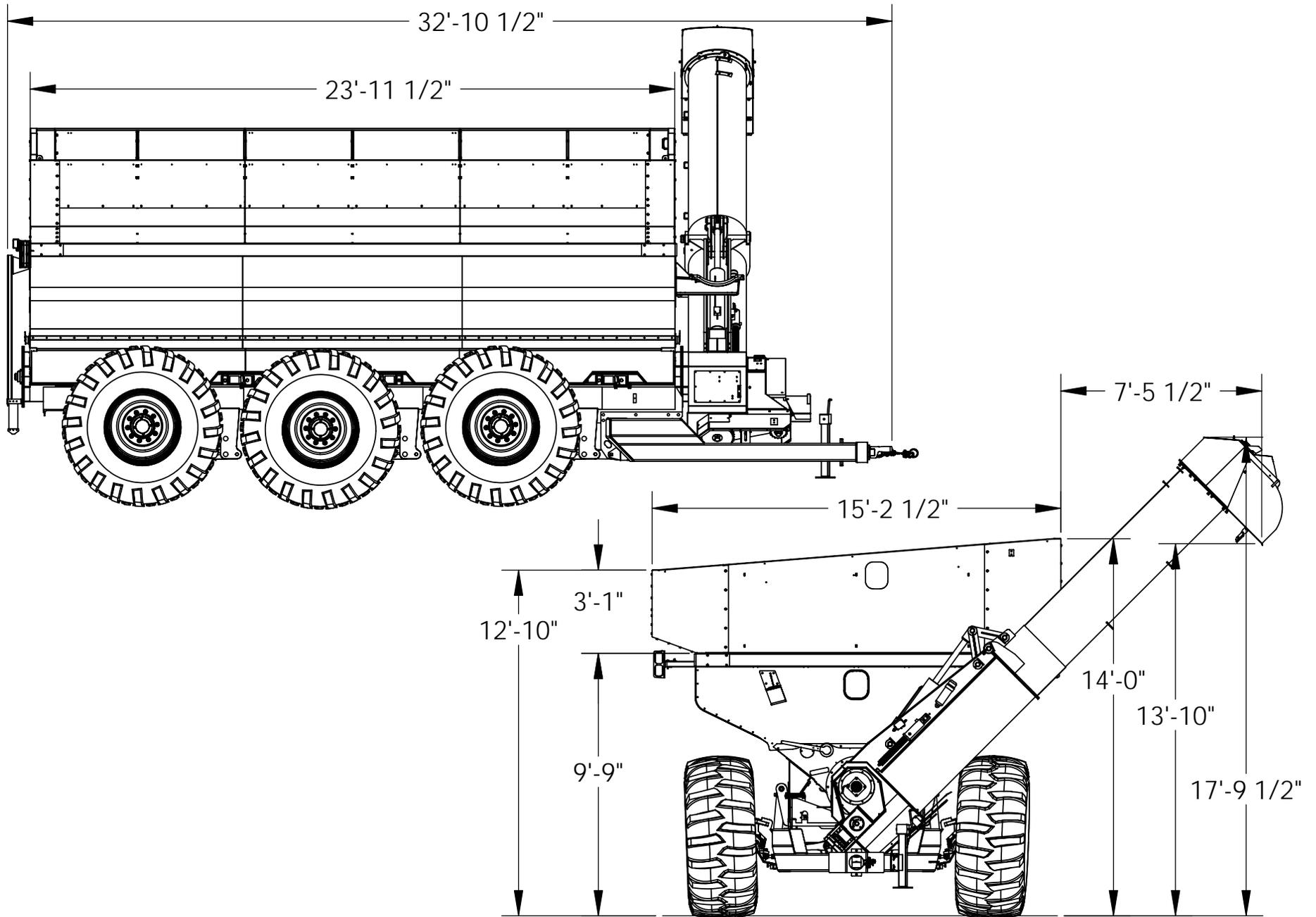
1325 Bushel Tandem Grain Cart Dimensions



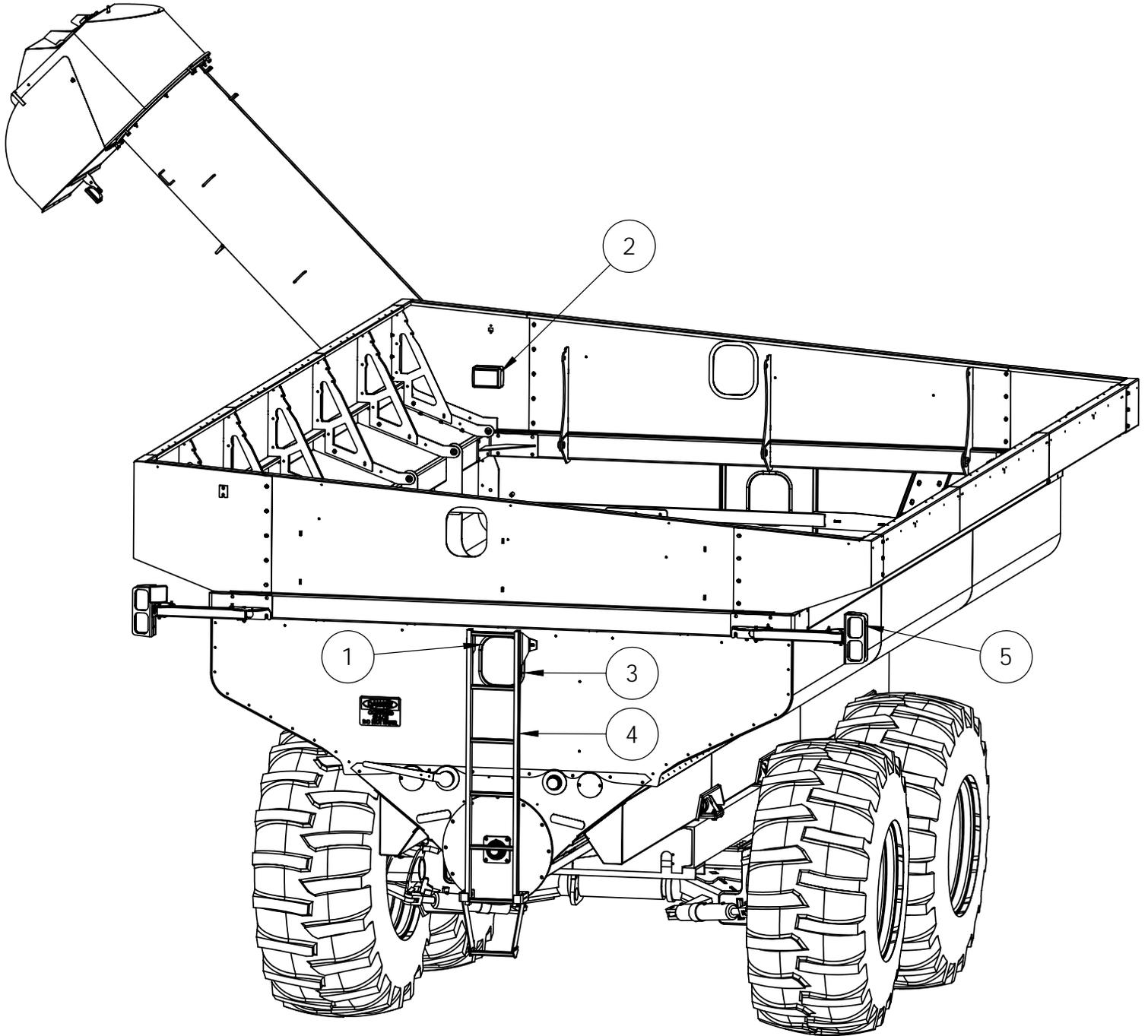
1550 Bushel Tandem Grain Cart Dimensions



2000 Bushel Tridem Grain Cart Dimensions

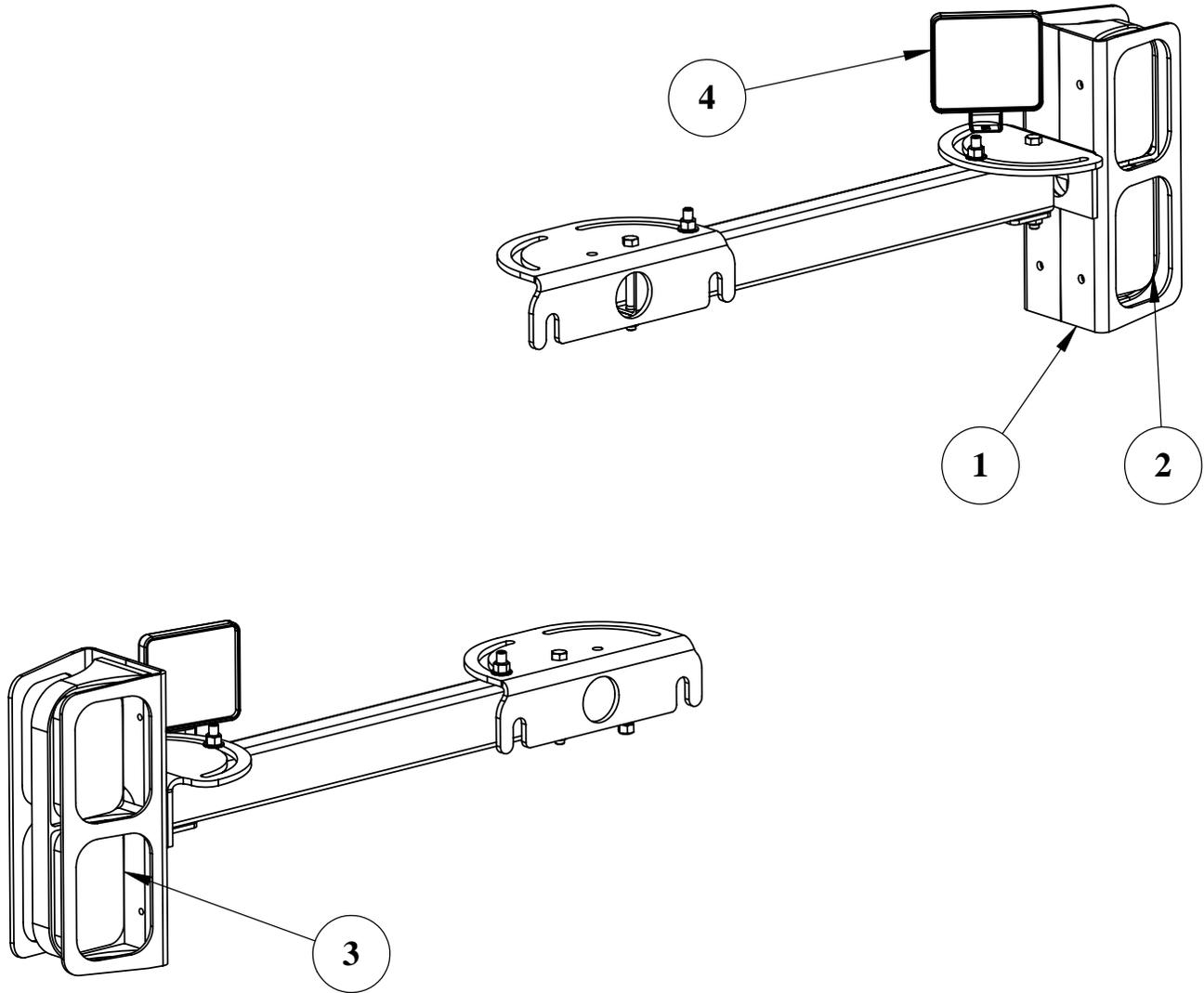


Lights, Ladder and Windows



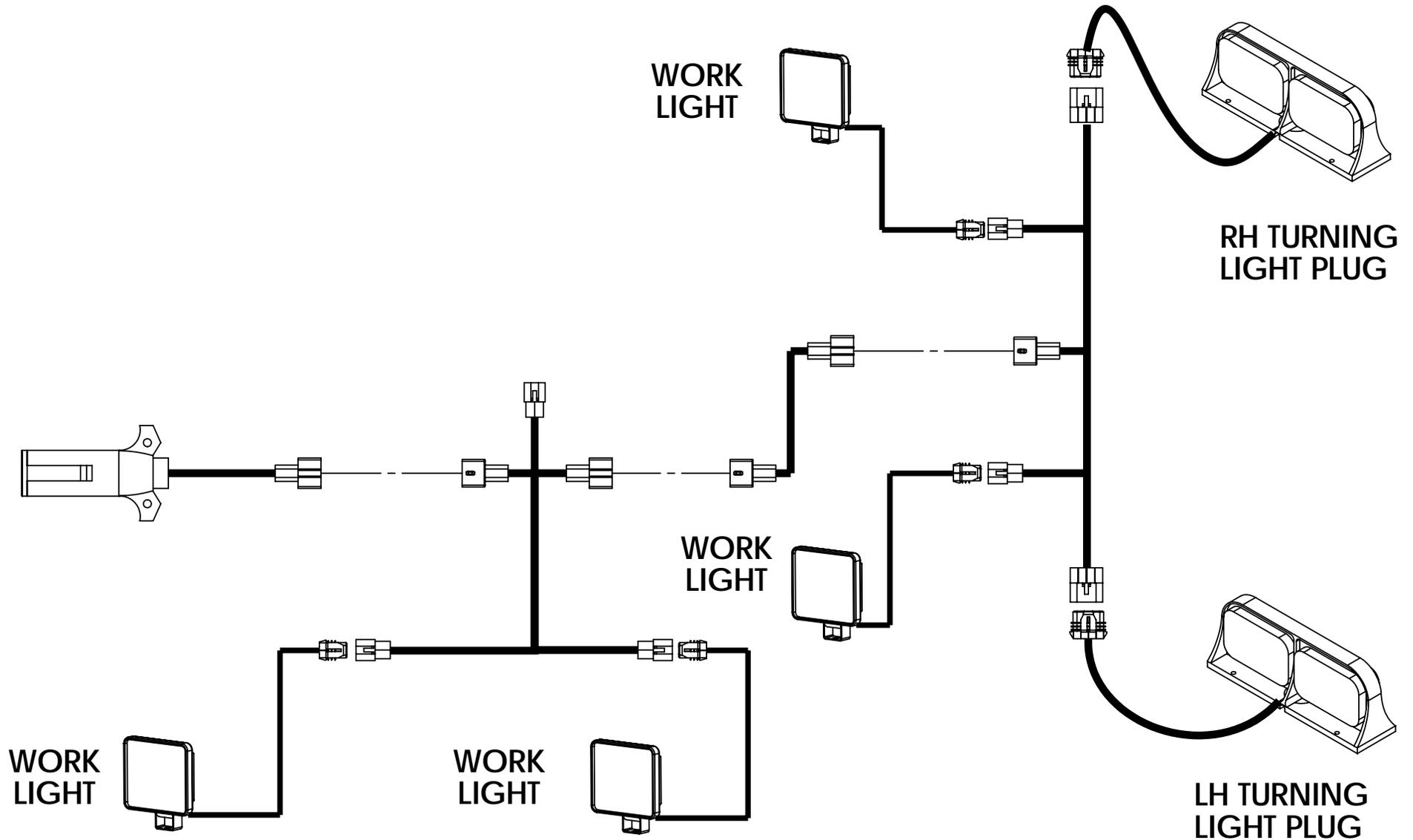
Item #	QTY.	Part #	Description
1	2	90318	WINDOW IN GRAIN CART
2	1	60984	WORK LIGHT 3X5 LED
3	2	90739	RUBBER SEAL - WEATHERSTRIP
4	1	83440	LADDER GRAIN CART (CHANNEL)
5	1	72785	LIGHT KIT GRAIN CART

72785 Running Light Assembly

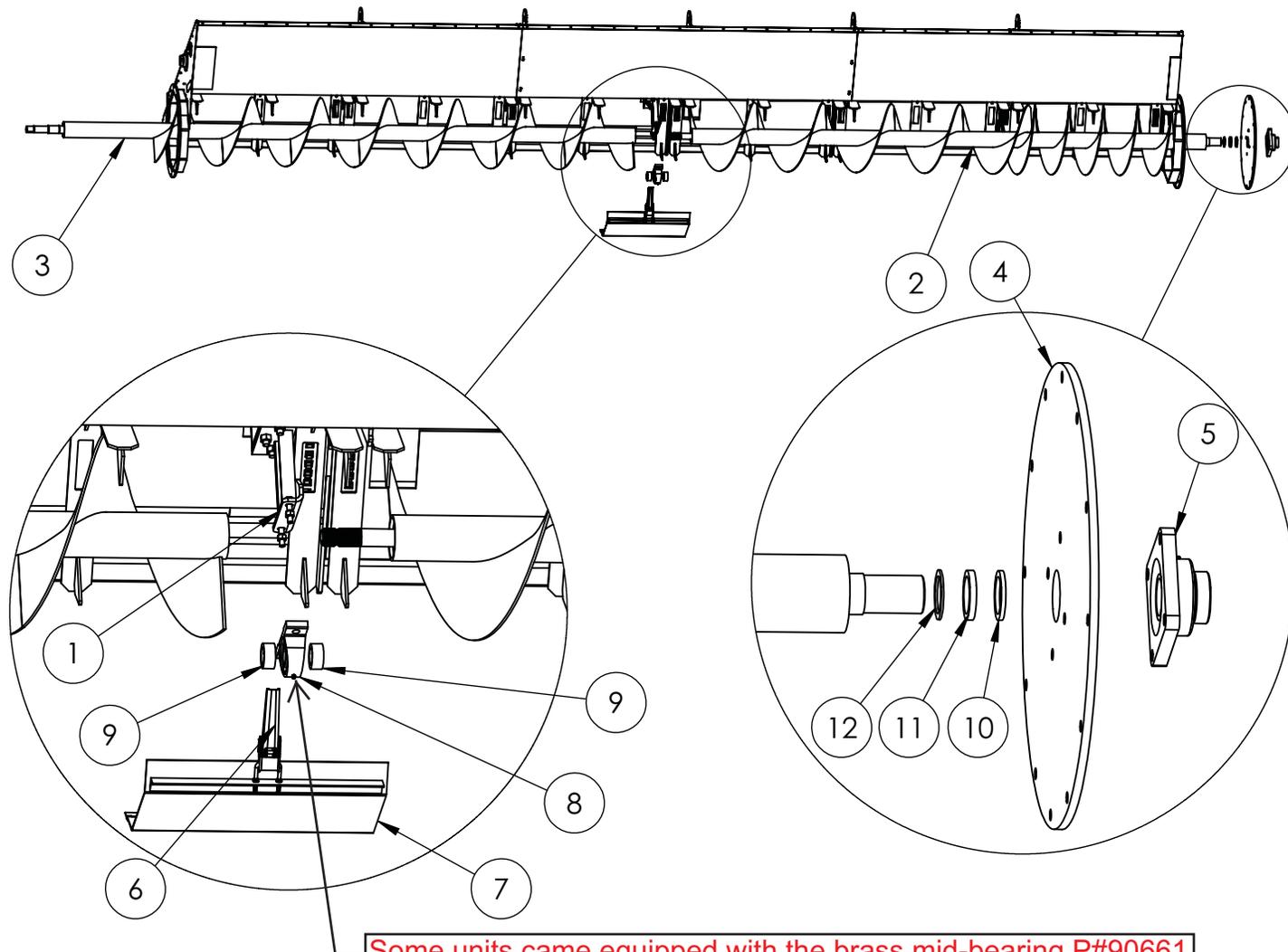


ITEM #	PART #	DESCRIPTION	QTY.
1	72786	LIGHT BRACKET WELD	2
2	40762	LIGHT TURNING RH	1
3	40763	LIGHT TURNING LH	1
4	60984	WORK LIGHT LED	2
5	72855	WIRE HARNESS KIT GRAIN CART	1

72785 Running Light Assembly



Horizontal Auger



Some units came equipped with the brass mid-bearing P#90661

ITEM #	PART #	DESCRIPTION	QTY.
1	85960	HANGER BEARING HOR AUGER	1
2	85953	AUGER 20" HORIZ REAR	1
3	85952	AUGER 20" FRONT HORIZ	1
4	85062	COVER, REAR HORT AUGER 27" OD	1
5	26872	BEARING PILLOW 2.18"B x5.12"BP -CAM (NANF 211-35)	1
6	4072	COUPLER BALL HOOK/HANDLE -4"/5"/6"	1
7	85411	DOOR BOTTOM BEARING ACCESS	1
8	81915	BEARING HANGER 1.75"B x5.75"BP -CAM (NAP 209-28)	1
9	85961	PIPE 2.5" OD x.36WALL x 1.25" LONG	2
10	92415	WASHER 2.18" ID X 2.87" OD X .25" TH	1
11	92414	WASHER 2.18" ID X 2.87" OD X .37" TH	1
12	92413	WASHER 2.18" ID X 2.87" OD X .12" TH	1

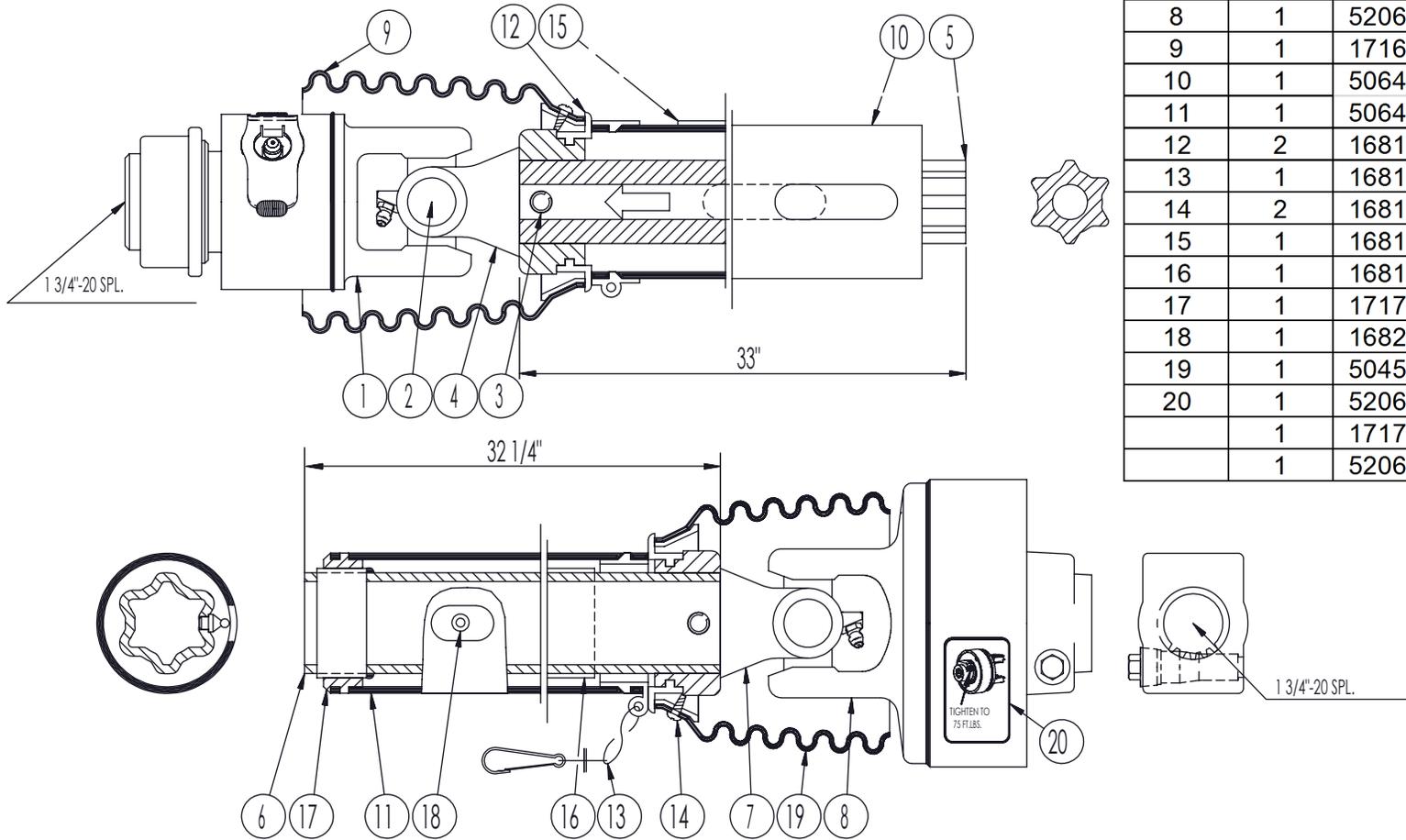
Hydraulic Doors

ITEM #	PART #	DESCRIPTION	QTY.
1	85855	WELDMENT	1
2	85845	HYD CYL 3" BOREx 12" STROKEx 1.25" ROD - WELDED	1
3	85860	WELDMENT CYLINDER SLIDE OUTER	1
4	85852	PLATE .37" x 3.5" x 18.18" w/2 SETS OF HOLES	2
5	85868	WELDMENT CYLINDER SLIDE INNER	1
6	85865	TOP SUPPORT WELDMENT A-FRAME	1
7	85856	PIPE 1.75" x.369" DOM x8.0" LG	2
8	85717	PIN 1.0" x 8.37"	1
9	85722	PLATE 10GA - .13" x 5.87" x 7.87"	1
10	85867	SPACER PIPE 1" SCH 40 X 1 9/16" LG.	2
11	85854	PLATE 1/2" x 3" x 19" HOLE TO HOLE	4
12	85864	WASHER FLAT 1.12" x 2.75" OD	4
13	1183	BOLT HEXHEAD .31" x .75" - UNC 18 GR5	2
14	1597	WASHER FLAT .31"	2
15	1779	NUT 1"-8 TOPLOCK	2
16	2593	NUT TOPLOCK .75" UNC	1
17	2539	NUT TOPLOCK .50" - 13 UNC	4
18	1322	BOLT HEXHEAD .75" x 6.00" - UNC 10 GR5	1
19	1603	FLATWASHER .75	2
20	2564	NUT TOPLOCK .25" -20 UNC	1
21	1169	BOLT HEXHEAD .25" x 2.25" - UNC 20 GR5	1
22	1600	WASHER FLAT .50"	8
23	1353	BOLT HEXHEAD 1.00" x 10.00" - UNC 8 GR5	2
24	1267	BOLT HEXHEAD .50" x 8.00" - UNC 13 GR5	4
25	65319	HYD ELBOW .75 ORMX.50FS 90 (6901-8-8)	2

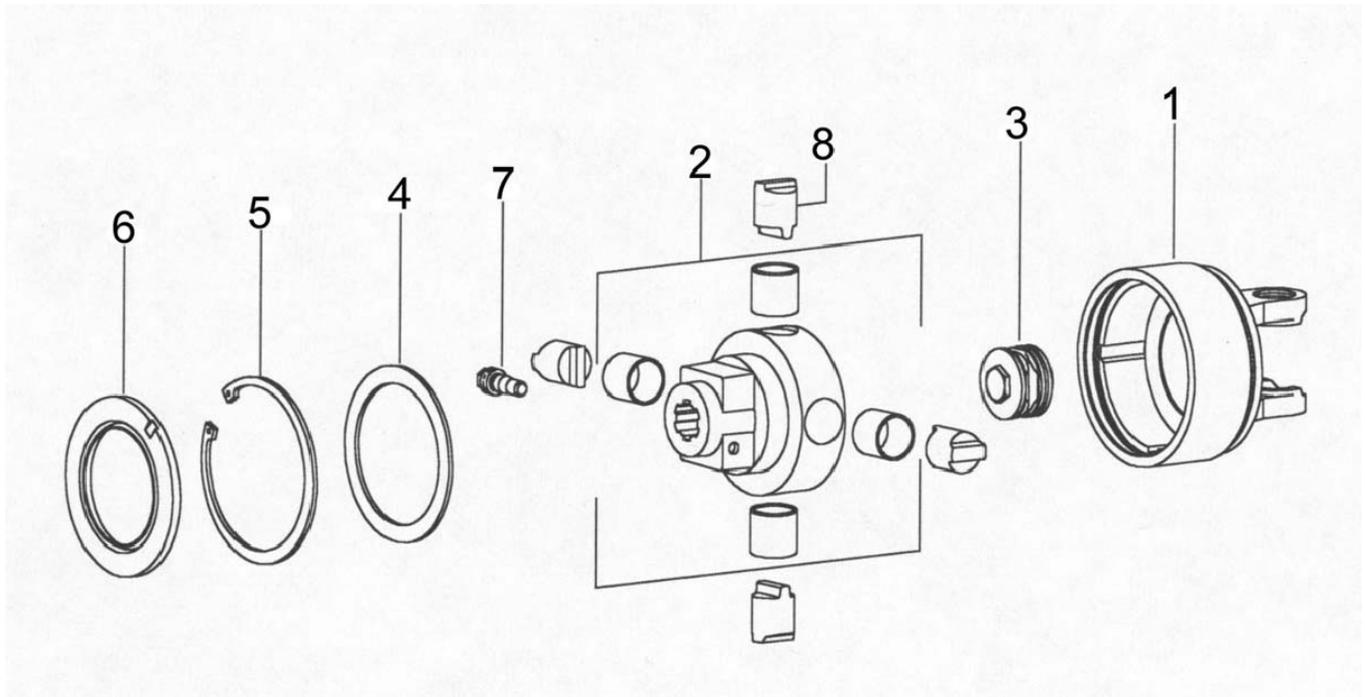
PTO 1 3/4" - 1000RPM CutOut Clutch Part # 37446WAL

BILL OF MATERIALS

Item #	Quantity	Part #	Description
1	1	52065	OVERRUNNING CLUTCH
2	2	17157	CROSS & BEARING KIT
3	2	17158	SPRING PIN 10 X 90
4	1	17159	INBOARD YOKE S4
5	1	52066	INNER PROFILE S4GA
6	1	50639	PROFILE(S5) & SLEEVE W.A.
7	1	17162	INBOARD YOKE S5
8	1	52067	CUT-OUT CLUTCH
9	1	17163	SHIELD CONE 7 RIB
10	1	50640	OUT. SHIELD TUBE OVL.
11	1	50641	INN. SHIELD TUBE RND.
12	2	16814	BEARING RING SC25
13	1	16815	SAFETY CHAIN
14	2	16818	SCREW-IN ITEM 9 & 19
15	1	16816	DECAL OUT.-IN ITEM 10
16	1	16817	DECAL INN.-IN ITEM 6
17	1	17171	SUPPORT BEARING
18	1	16820	ZERK-IN ITEM 6
19	1	50454	SHIELD CONE 6 RIB
20	1	52069	DECAL-K64
	1	17173	ASG COL. KIT-IN ITEM 1
	1	52068	CC LOCK ASSY-IN ITEM 8



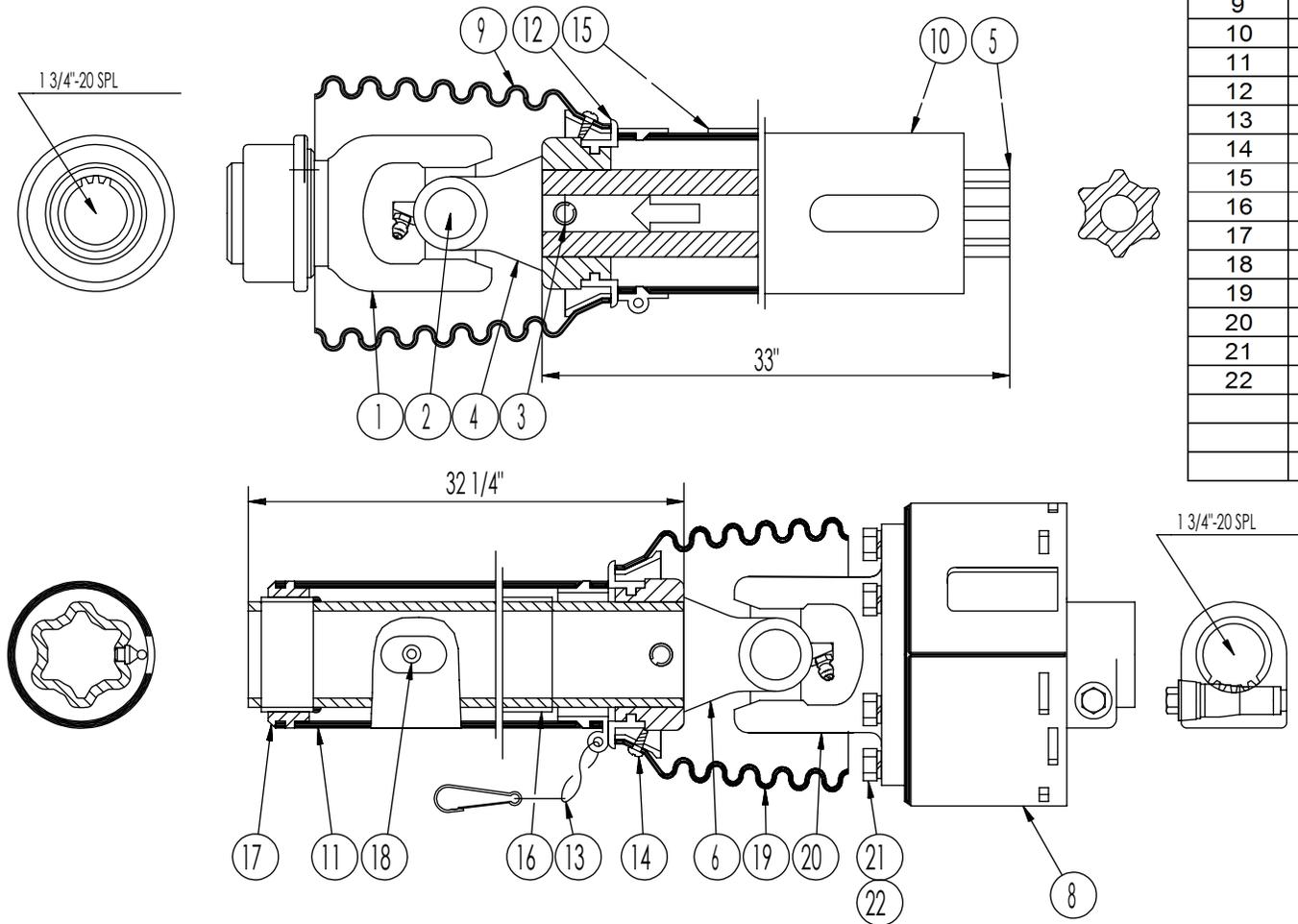
Cut Out Clutch P# 52067



ITEM#	PART#	QTY	DESCRIPTION
1	52138	1	HOUSING
2	52139	1	HUB
3	52140	1	SPRING PACK
4	52141	1	WASHER
5	52142	1	RETAINING RING
6	52143	1	SEALING RING
7	52068	1	CLAMP CONE ASSEMBLY
8	52144	4	CAM

PTO 1 3/4" - 1000RPM Friction Clutch Part # 37518WAL

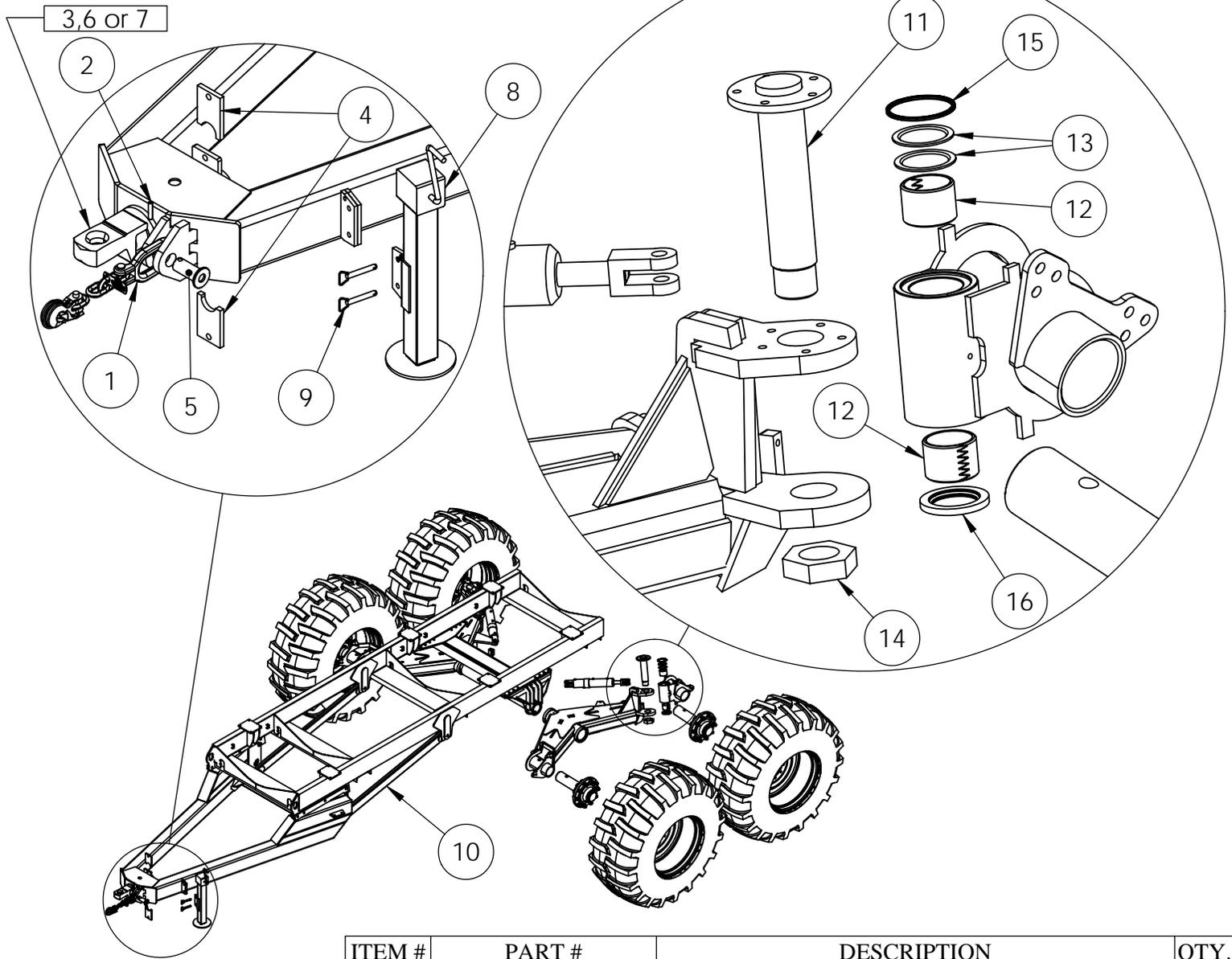
BILL OF MATERIALS			
Item #	Quantity	Part #	Description
1	1	17200	YOKE 1 3/4"-20 SPL ASG
2	2	17157	CROSS & BEARING KIT
3	2	17158	SPRING PIN 10 X 90
4	1	17159	INBOARD YOKE S4
5	1	52166	INNER PROFILE S4GA
6	1	52167	PROFILE(S5H) & SLEEVE WA
7	1	17162	INBOARD YOKE S5
8	1	52168	FRICITION/OVERRUNNING CLUTCH
9	1	17163	SHIELD CONE 7 RIB
10	1	52169	OUT. SHIELD TUBE OVL.
11	1	50972	INN. SHIELD TUBE RND.
12	2	16814	BEARING RING SC25
13	1	16815	SAFETY CHAIN
14	2	16818	SCREW-IN ITEM 9 & 19
15	1	16816	DECAL OUT.-IN ITEM 10
16	1	16817	DECAL INN.-IN ITEM 6
17	1	17171	SUPPORT BEARING
18	1	N/A	ZERK-IN ITEM 6
19	1	50454	SHIELD CONE 6 RIB
20	1	50619	FLANGE YOKE
21	6	3043	BOLT M12 X 30
22	6	3063	LOCK WASHER M12
	1	17173	AS COL. KIT-IN ITEM 1
	1	50616	CC LOCK ASSY-IN ITEM 8



Parts

BALZER_{INC}

93160 Tandem Frame With 6 Weigh Bars



Items 3, 6 and 7 show available hitch options.

ITEM #	PART #	DESCRIPTION	QTY.
1	96169	CHAIN SAFETY 80,000 LB	1
2	1972	ROLL PIN .5" DIA x 2.50" LG	1
* 3	85517	HITCH PINTLE SWIVEL 2.18" HOLE	1
4	91779	HITCH RETAINING PLATE	2
5	96193	PIN WELD SAFETY CHAIN	1
* 6	72760	HITCH SWIVEL PINTLE -1.69"	1
* 7	93162	HITCH SWIVEL PINTLE -2.88" /CAT 5	1
8	83338	JACK CRANK W/BACKET- SIMOL	1
9	90646	PIN & CHAIN .63x3 WORKING	2
10	900289	TUBE WELDMENT	2
11	900082	AXLE KING PIN BOLT	2
12	28089	TENSION BUSHING 3.50" x 3.00" x2.50" LG	4
13	70123	THRUST WASHER	4
14	900085	NUT JAM 2.75" -12 UNF	2
15	900116	O-RING QUAD 4.12" OD x 0.21"TH -346	2
16	900117	SEAL 3.00" x4.50" x0.43" -TA BUNA	2

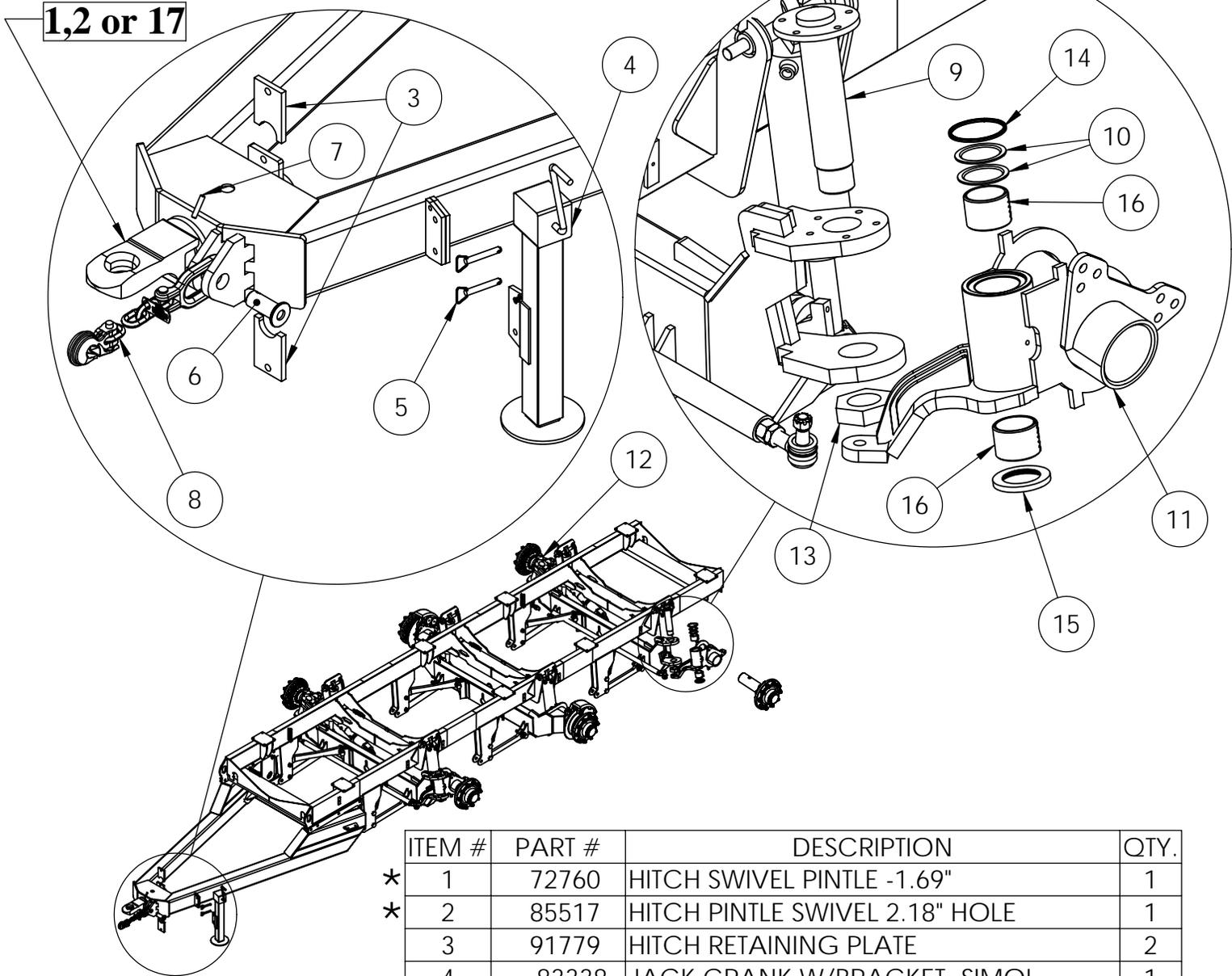
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Parts

BALZER_{INC}

91910 Tridem Frame With 8 Weigh Bars



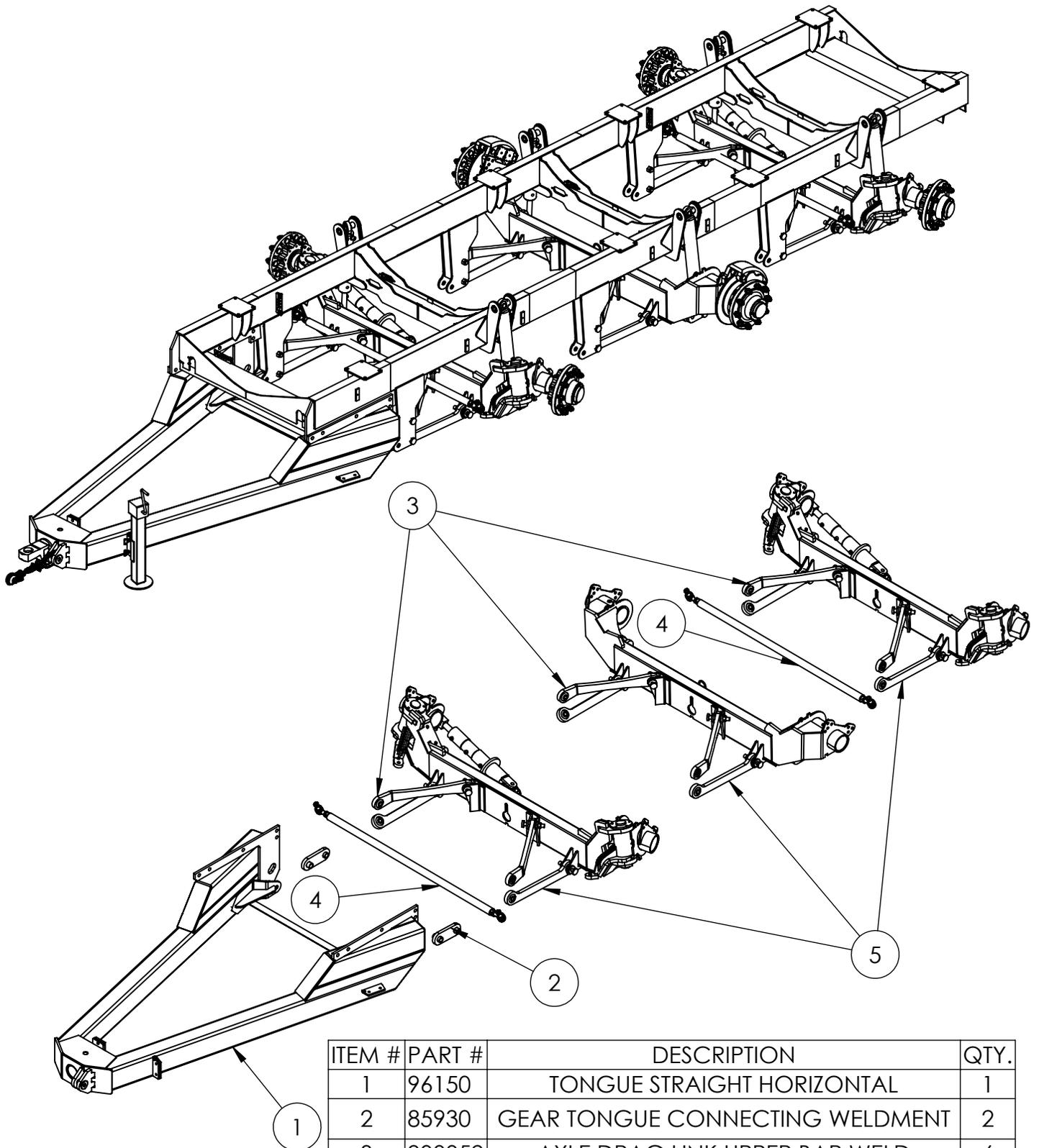
Items 1, 2 and 17 show available hitch options.

ITEM #	PART #	DESCRIPTION	QTY.
* 1	72760	HITCH SWIVEL PINTLE -1.69"	1
* 2	85517	HITCH PINTLE SWIVEL 2.18" HOLE	1
3	91779	HITCH RETAINING PLATE	2
4	83338	JACK CRANK W/BRACKET- SIMOL	1
5	90646	PIN & CHAIN .63x3 WORKING	2
6	96193	PIN WELD SAFETY CHAIN	1
7	1972	ROLL PIN .5" DIA x 2.50" LG	1
8	96169	CHAIN SAFETY 80,000 LB	1
9	900082	AXLE KING PIN BOLT	2
10	70123	THRUST WASHER	4
11	900065	AXLE KING PIN RECEIVER LH 5	1
12	900066	AXLE KING PIN RECEIVER RH 5	1
13	900085	NUT JAM 2.75" -12 UNF	2
14	900116	O-RING QUAD 4.12" OD x 0.21" TH -346	2
15	900117	SEAL 3.00" x4.50" x0.43" -TA BUNA	2
16	28089	TENSION BUSHING 3.50" x 3.00" x2.50" LG	4
* 17	93162	HITCH SWIVEL PINTLE -2.88" /CAT 5	1

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Grain Cart Tridem Tongue Axle and Frame

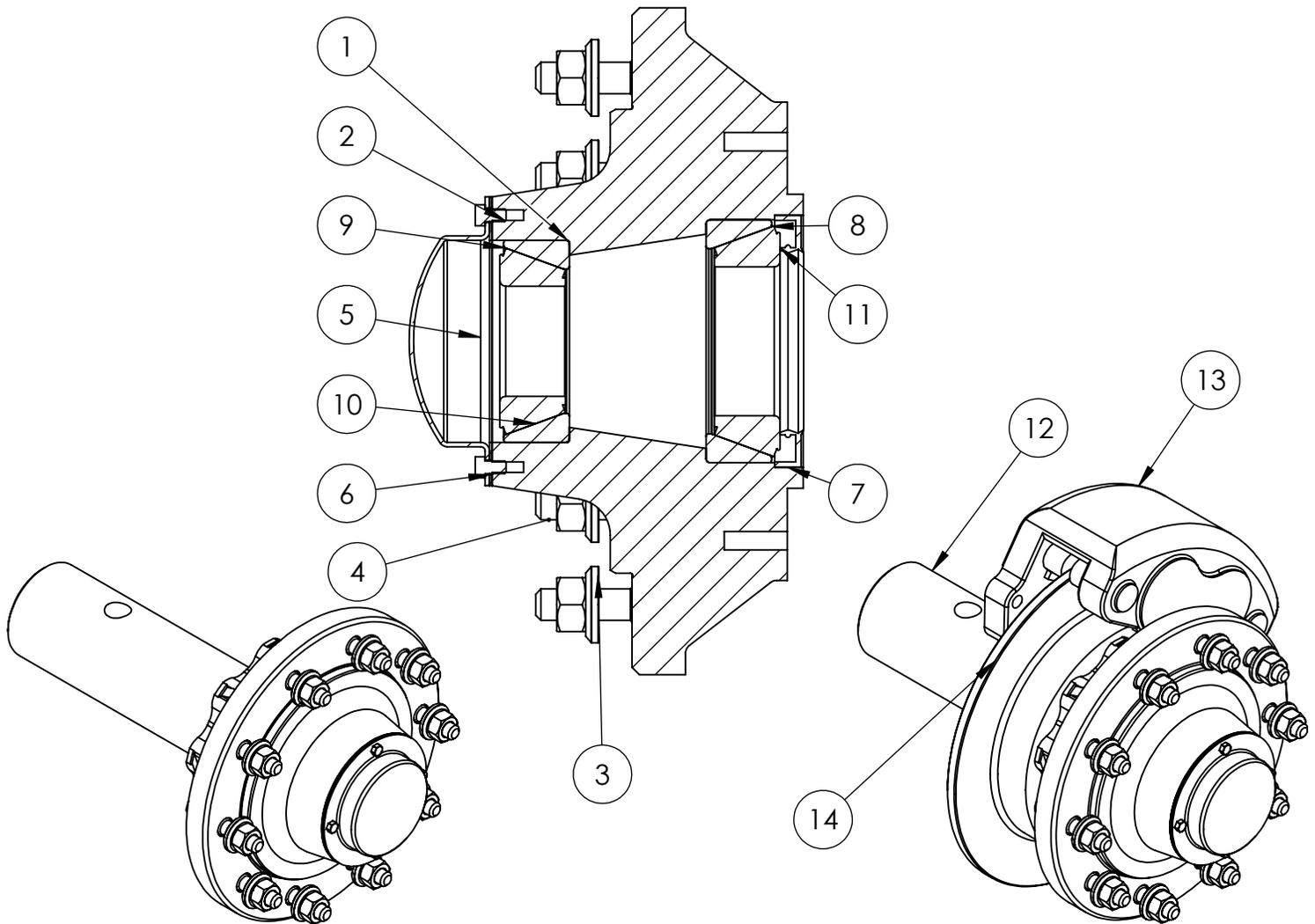


ITEM #	PART #	DESCRIPTION	QTY.
1	96150	TONGUE STRAIGHT HORIZONTAL	1
2	85930	GEAR TONGUE CONNECTING WELDMENT	2
3	900052	AXLE DRAG LINK UPPER BAR WELD	6
4	900061	AXLE TIE ROD 72.25" LG	2
5	900098	AXLE DRAG LINK LOWER BAR WELD	6

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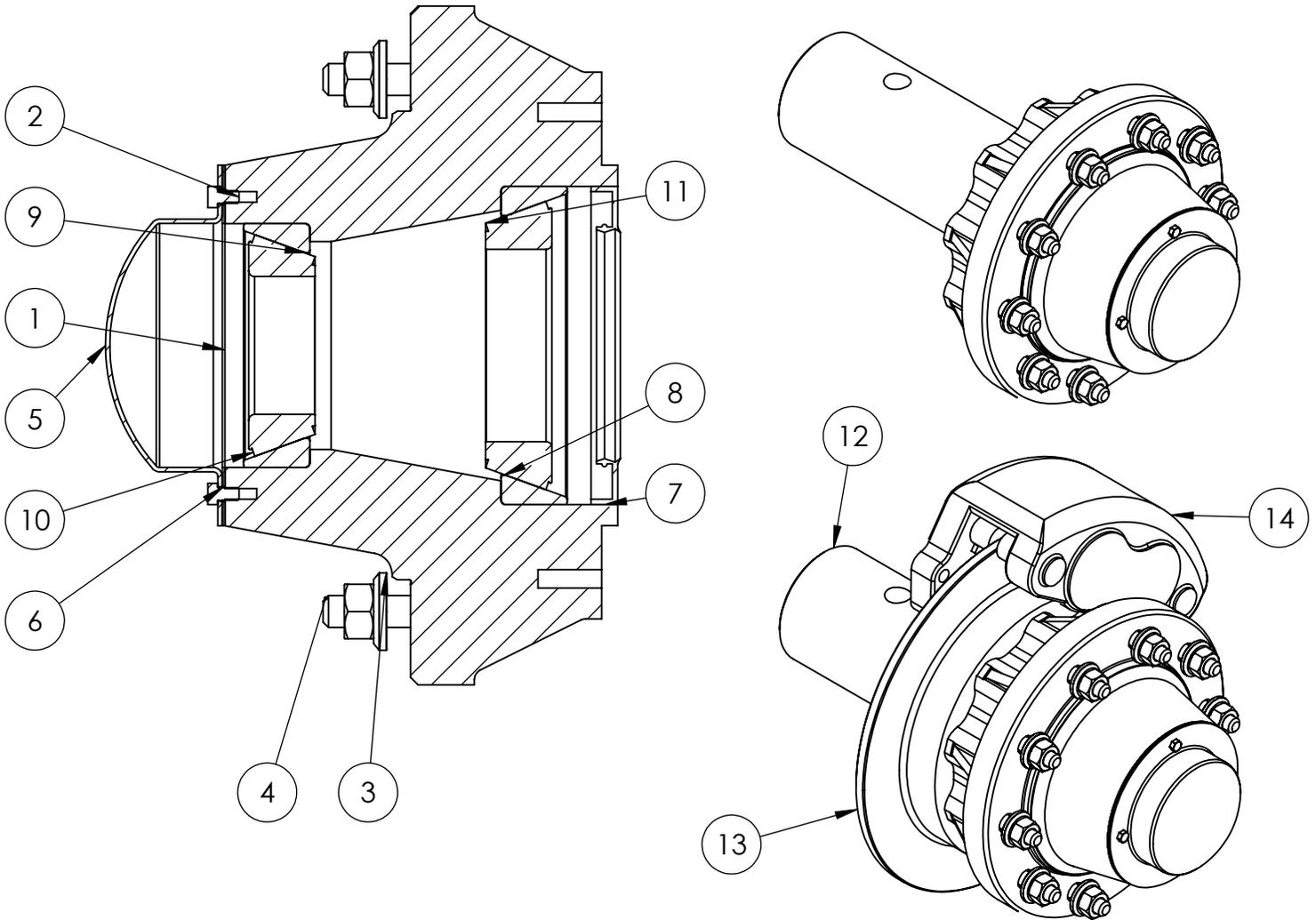
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Hub and Spindles 5" 10 Bolt 5" Solid 13.18" Bolt Circle



ITEM #	PART #	DESCRIPTION	QTY.
1	91850	HUB ASBY 5" / 20,000 LBS / 10-BOLT / 13.18" BC / BRAKE	1
2	1181	BOLT HEXHEAD .31" x .50" - UNC 18 GR5	4
3	91849	NUT LUG 22mm x 1.5 -SWIVEL FLANGE	10
4	50400	HUB STUD 22MM X 100MM	10
5	17149	HUB CAP 5"	1
6	17147	GASKET 5" HUB	1
7	50815	SEAL 4.37ID x 6.00OD x 0.62 TH BUNA	1
8	21651	BEARING TAPER CUP 5" HUB INNER	1
9	21652	BEARING TAPER CUP 5" HUB OUTER	1
10	21621	BEARING TAPER CONE 5" HUB OUTER	1
11	21622	BEARING TAPER CONE 5" HUB INNER	1
12	900125	SPINDLE ASBY 5" /20,000 LB / 4140HTSR / 13.81	1
13	91853	BRAKE CALIPER CARLISLE AA4	1
14	91859	BRAKE ROTOR DISC 20,000 lb /17.5"OD /5"	1

Hub and Spindles 6" 10 Bolt 6" Solid 13.18" Bolt Circle



ITEM #	PART #	DESCRIPTION	QTY.
1	91851	HUB ASBY 6" / 25,000 LBS / 10-BOLT / 13.18" BC / BRAKE	1
2	1181	BOLT HEXHEAD .31" x .50" - UNC 18 GR5	4
3	91849	NUT LUG 22mm x 1.5 -SWIVEL FLANGE	10
4	50400	HUB STUD 22MM X 100MM	10
5	50823	HUB CAP 6"	1
6	50824	GASKET 6" HUB	1
7	50825	SEAL 5.50ID x 7.50OD x 0.62 TH BUNA	1
8	50819	BEARING TAPER CUP 5" HUB INNER	1
9	50820	BEARING TAPER CUP 5" HUB OUTER	1
10	50822	BEARING TAPER CONE 5" HUB OUTER	1
11	50821	BEARING TAPER CONE 5" HUB INNER	1
12	900123	SPINDLE ASBY 6" /25,000 LB / 4140HTSR / 13.750	1
13	91858	BRAKE ROTOR DISC 25,000 LBS /19"OD x6"	1
14	91853	BRAKE CALIPER CARLISLE AA4	1

LAST REVISED

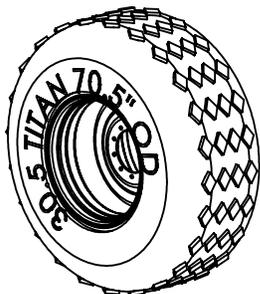
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Tire Assemblies

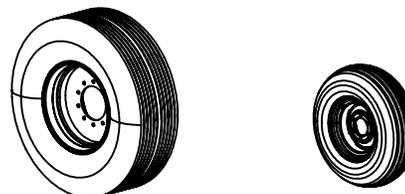
Diamond R3



Lug R1

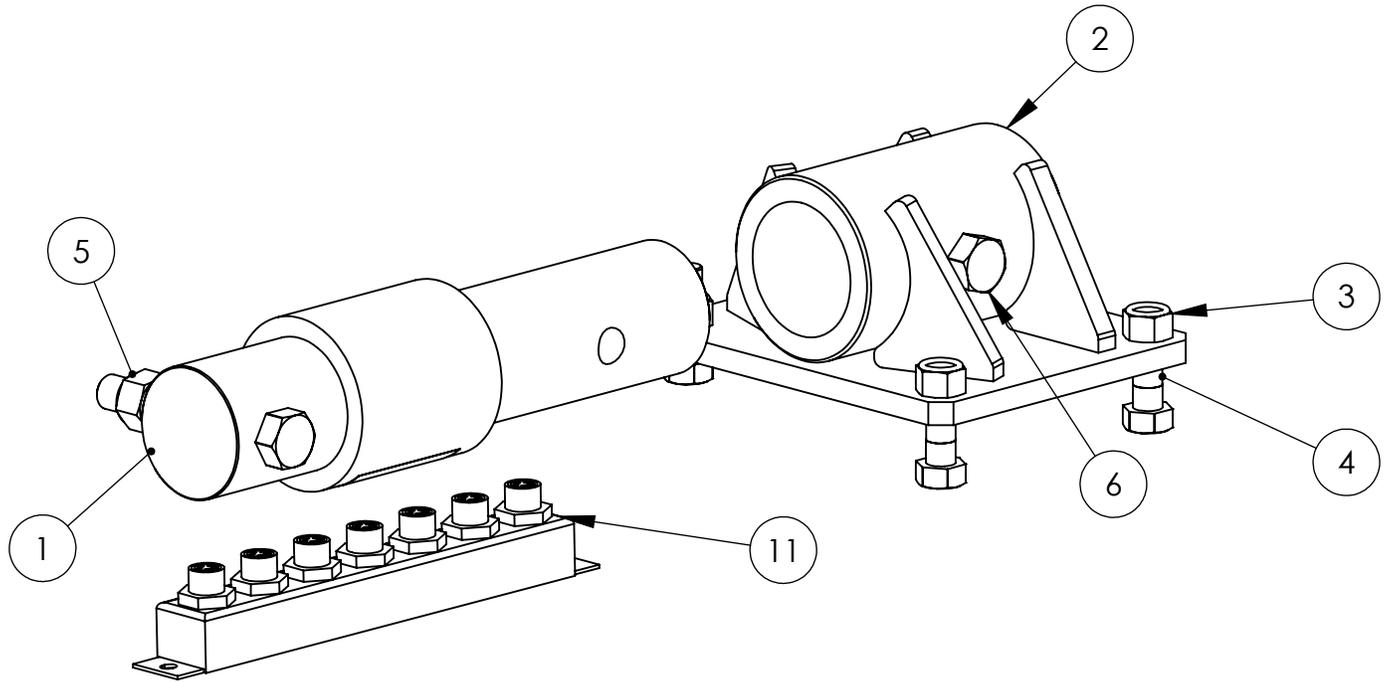


Ribbed



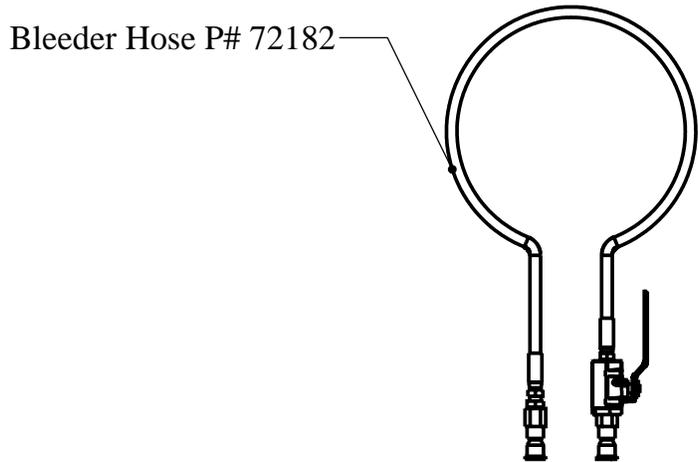
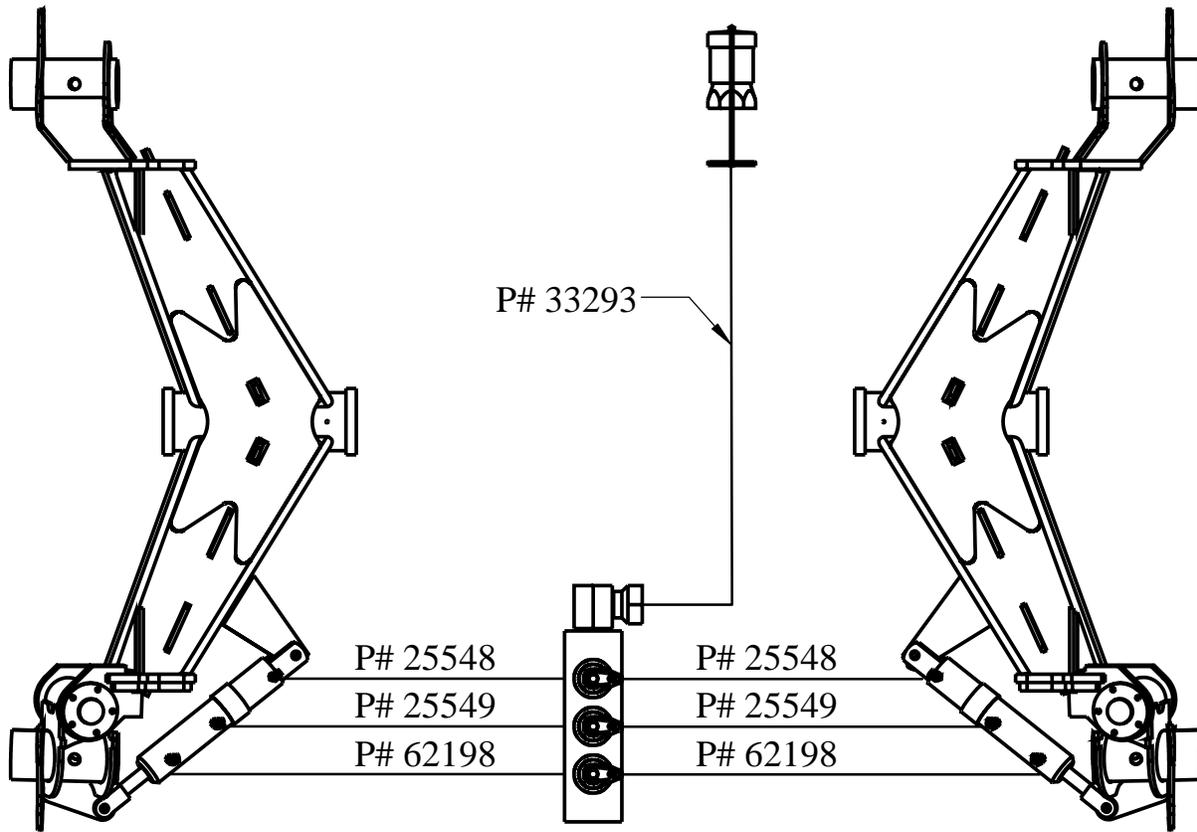
TIRE/ RIM	TIRE / RIM #	TIRE #	RIM #	TIRE PRESSURE
12 X3 RIBBED	18076			
18.5 - 4 BOLT - 5.50"BC	17511	17512	17513	
20.5 x 8 - 5 BOLT - 4.50"BC	26737	26733	26734	
P205/75R15 - 5 BOLT - 6.00"BC	31530		31529	
14 x 7.5 - 6 BOLT	27889			
11L x 15 - 8 PLY - 6 BOLT	31006			
9.5L x 15 - 8 PLY - 6 BOLT	65670		65671	
15 x 22.5 SUPER RIGR - 8 BOLT - 8.00" BC	62061	92390	92391	
15 x 22.5 SUPER RIGR - 10 BOLT - 11.25" BC	65561	92390	65562	
18.4 x 26 R3 - 10 BOLT - 11.25" BC	20283	20284	20285	23
18.4 x 26 R3 - 10 BOLT - 13.19" BC	28205	20284	27676	23
21.5 x 16.1 RIBBED - 8 BOLT - 8.00" BC - 18.00" WHEEL	26633	11472	26634	32
21.5 x 16.1 RIBBED - 10 BOLT - 11.25" BC - 18.00" WHEEL	90128	31432	90129	32
23.1 x 26 R3 - 10 BOLT - 11.25"BC	18531	16515	16516	32
23.1 x 26 R3 - 10 BOLT - 13.19"BC	28796	16515	28797	32
28L x 26 R3 - 10 BOLT - 11.25"BC	17610	17611	17612	26
28L x 26 R3 - 10 BOLT - 13.19"BC	28386	17611	28387	26
28LR26 R3 - 10 BOLT - 13.19"BC	91882	92639	28387	54
30.5 x 32 R1 - 10 BOLT -13.19"BC	91340	91341	27385	33
30.5 x 32 R3 - 10 BOLT -13.19"BC	27674	22692	27385	33
30.5LR32 R1 - 10 BOLT -13.19"BC	91586	94587	27385	52
30.5LR32 R3 - 10 BOLT -13.19"BC	92640	92641	27385	52
445/65 R22.5 L1 8 BOLT - 8.00"BC	83780	91889	20033	
445/65 R22.5 L1 10 BOLT - 11.25"BC	14246	91889	91884	
445/65 R22.5 L1 10 BOLT - 13.19"BC	92880	91889	92881	
600/50 22.5 - 8 BOLT - 8.00"BC	91777	25551	91888	38
600/50 22.5 - 10 BOLT - 11.25"BC	25550	25551	25552	38
850/50 30.5 - 10 BOLT - 11.25"BC	29978	40977	29999	37
850/50 30.5 - 10 BOLT - 11.25"BC - 8 PLY	91128	91129	29999	37
850/50 30.5 - 10 BOLT - 13.19"BC - 10 PLY	40976	40977	40978	37
900/60 32 R1 - 10 BOLT - 13.25"BC - 0" OFFSET	91900	91901	27385	35

Weigh Bar Assembly



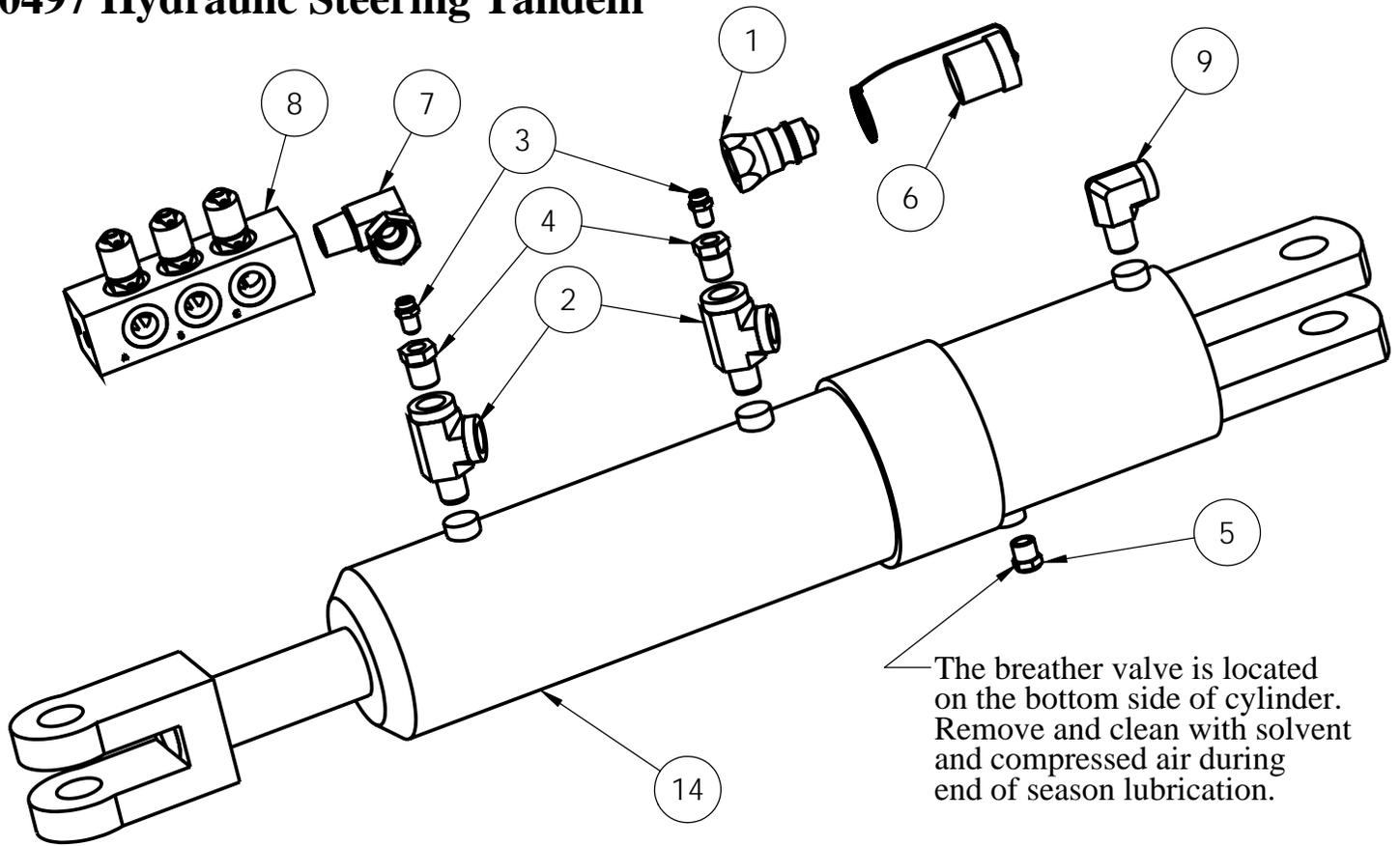
ITEM #	QTY.	PART #	DESCRIPTION
1	1	84544	WEIGH BAR
2	1	84513	MOUNTING BRACKET, LONG SHAFT
3	4	2546	NUT TOPLOCK .62" - 11 UNC
4	4	1291	BOLT HEXHEAD .62" x 2.00" - UNC 11 GR5
5	2	2593	NUT TOPLOCK .75" - 10 UNC
6	2	1320	BOLT HEXHEAD .75" x 5.00" - UNC 10 GR5
7	1	37694	BRACKET FOR INDICATOR MOUNT
8	1	37693	POWER CABLE ASSEMBLY
9	1	84543	INDICATOR 640M
10	1	84542	CABLE ASSEMBLY 50' LONG J-BOX to MONITOR
11	1	84541	J-BOX ASSEMBLY

90497 Hydraulic Steering Tandem



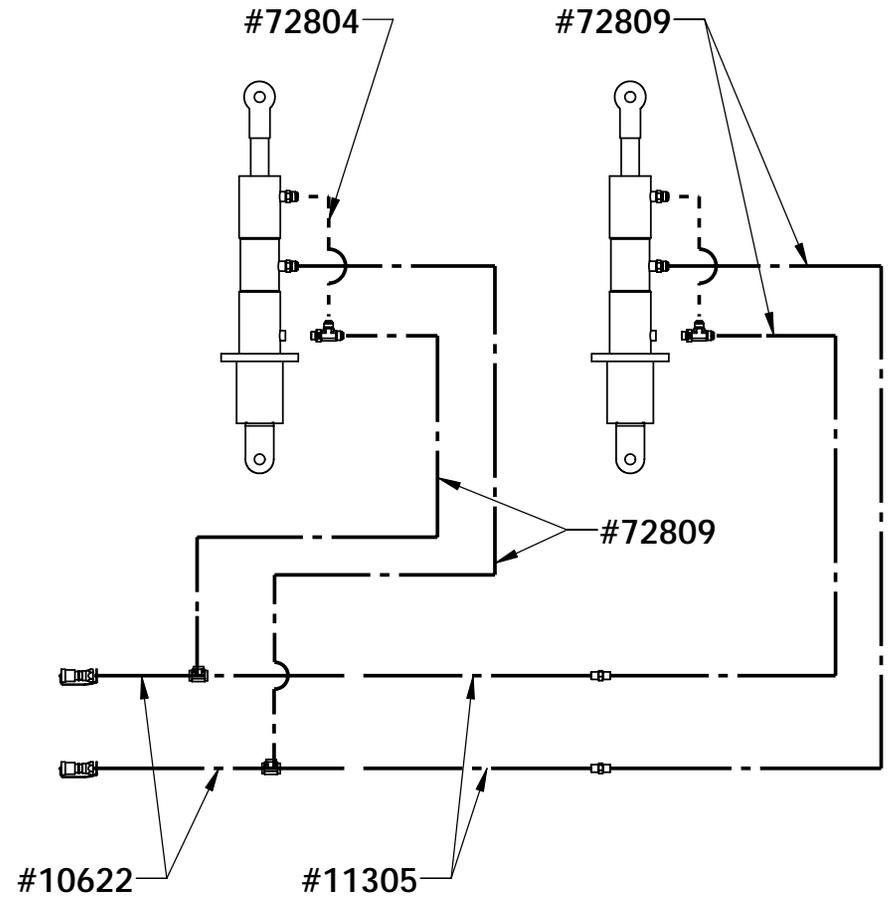
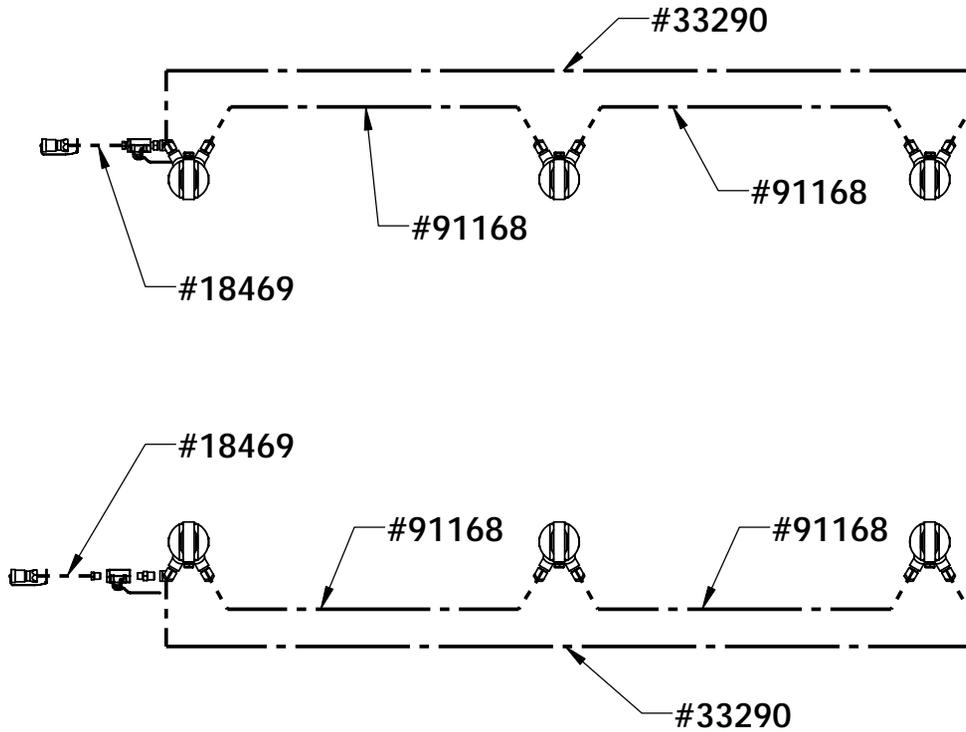
ITEM #	PART #	DESCRIPTION	QTY.
1	25548	HYD HOSE .37X .37NPTMX .56ORMSX 35"LG	2
2	25549	HYD HOSE .37X .37NPTMX .56ORMSX 42"LG	2
3	62198	HYD HOSE .37X .37NPTMX .56ORMSX 37"LG	2
4	33293	HYD HOSE .50X .50NPTMX .50NPTMSX 336"LG	1

90497 Hydraulic Steering Tandem

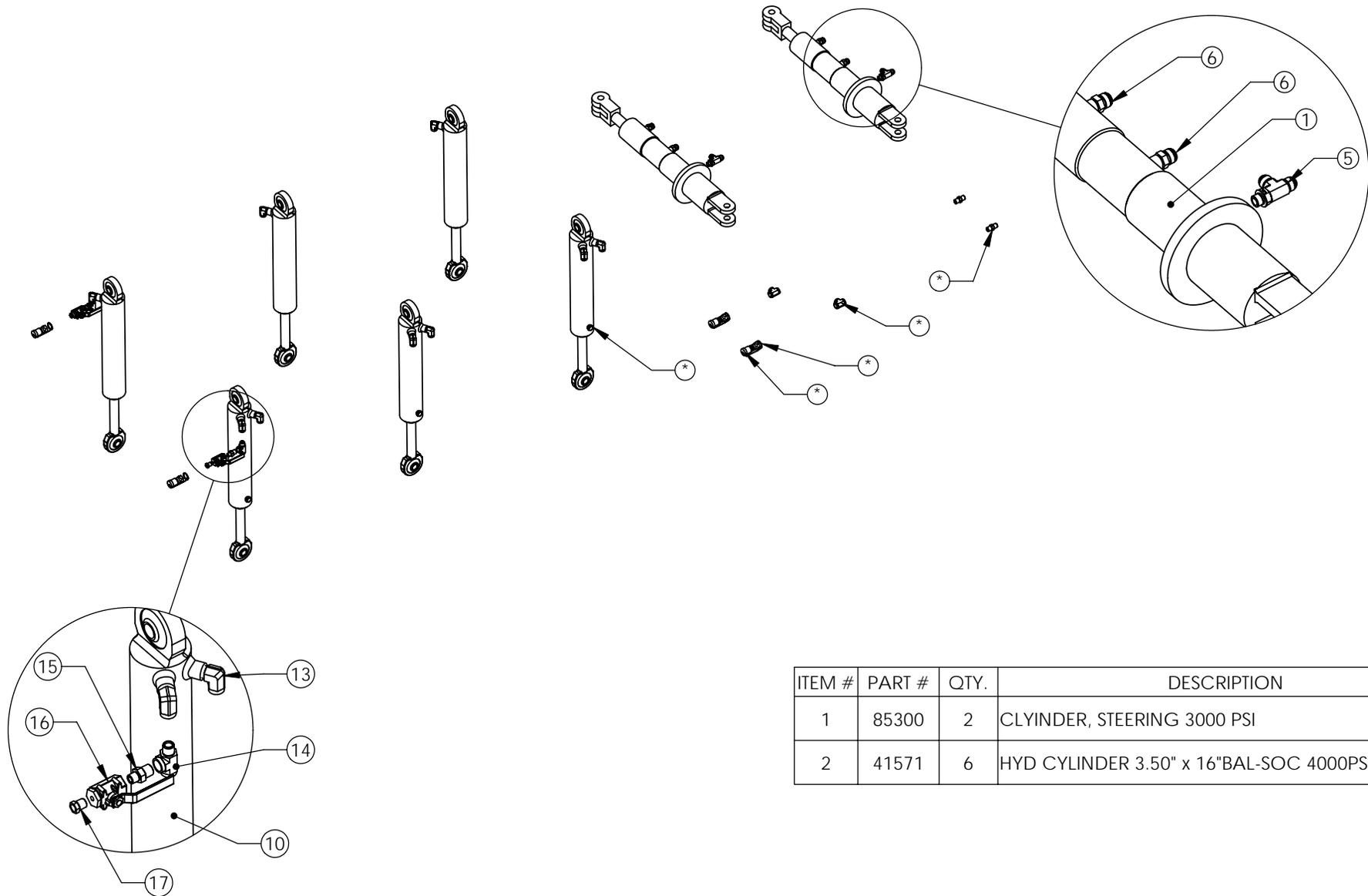


ITEM #	PART #	DESCRIPTION	QTY.
1	11023	HYD MISC PIONEER MALE / .50NPTFM (S71-4)	1
2	25372	HYD TEE .37NPTMX .37NPTFMX .37NPTFM (5602-6)	4
3	25466	HYD PLUG BLEEDER .12" NPTM	4
4	25467	HYD REDUCER .37NPTMX .12NPTFM (5406-6-2)	4
5	25975	BREATHER .25 NPT BRASS (BV-2)	2
6	28392	HYD MISC PIONEER DUST CAP (S49-4)	1
7	33166	HYD ELBOW .50NPTMX .50NPTFMS 90DEG (1501 8-8)	1
8	37520	HYD BLOCK STEER W/3 1620TEST FTGS	1
9	8216	HYD ELBOW .37NPTM X .37NPTFM X 90 DEG (5502-6)	2
10	62198	HYD HOSE .37X .37NPTMX .56ORMSX 37"LG	2
11	33293	HYD HOSE .50X .50NPTMX .50NPTMSX 336"LG	1
12	25548	HYD HOSE .37X .37NPTMX .56ORMSX 35"LG	2
13	25549	HYD HOSE .37X .37NPTMX .56ORMSX 42"LG	2
14	40761	HYD CYL BOREX STROKEX ROD- STEERING	2

900321 Tridem Steering Hydraulics

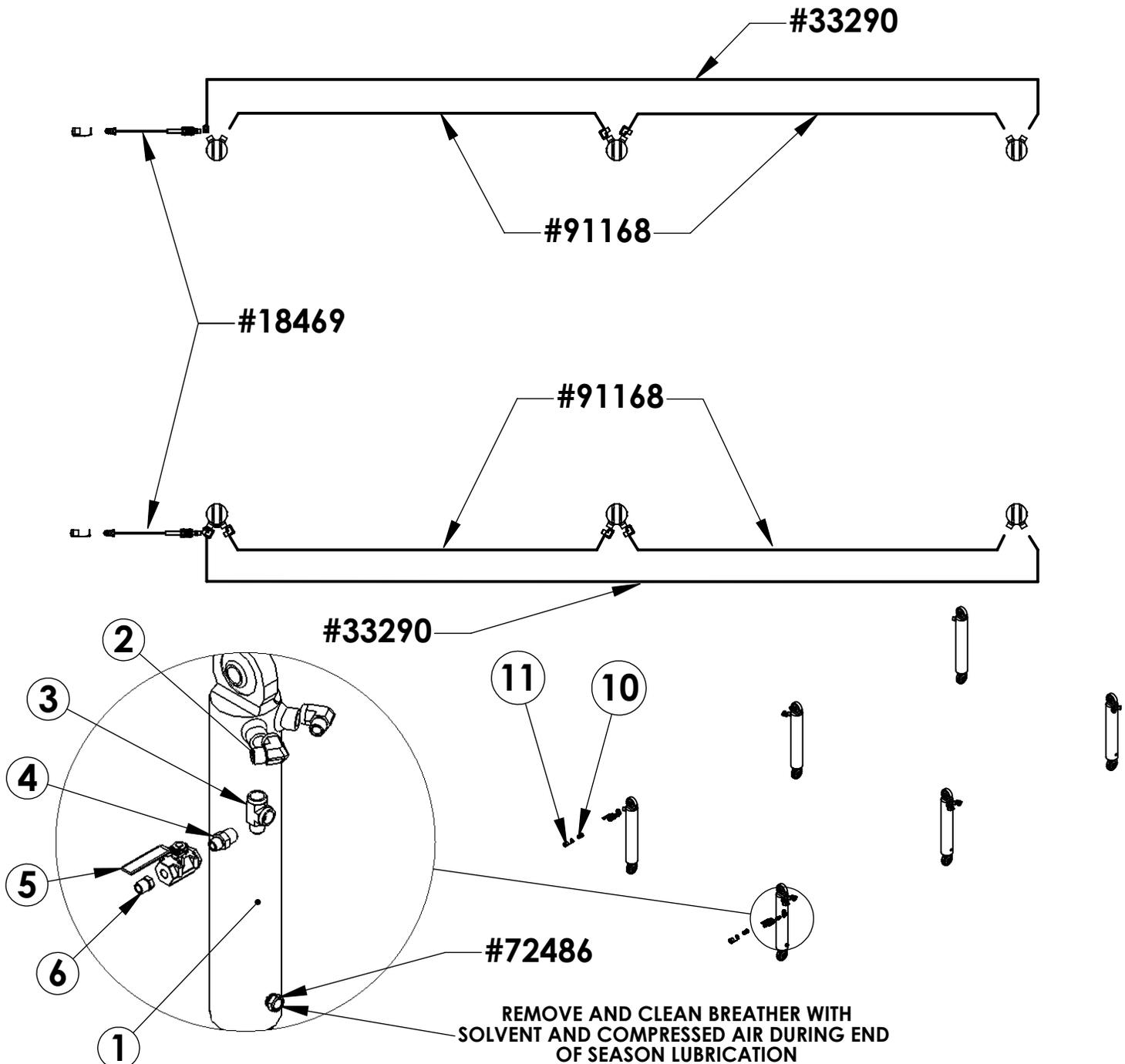


900321 Tridem Steering Hydraulics



ITEM #	PART #	QTY.	DESCRIPTION
1	85300	2	CLYINDER, STEERING 3000 PSI
2	41571	6	HYD CYLINDER 3.50" x 16"BAL-SOC 4000PSI

Hydraulic Load Leveling Tridem

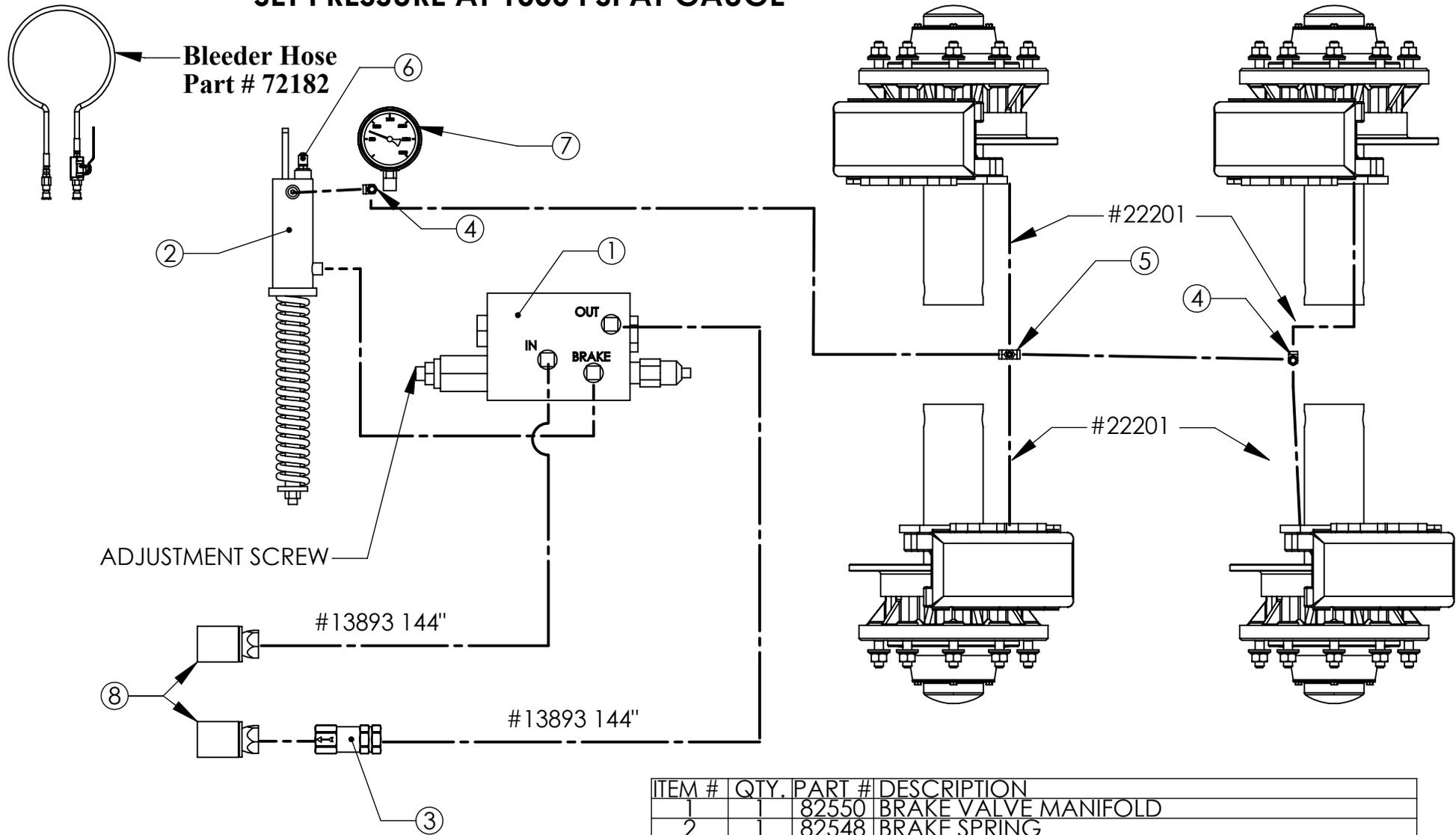


ITEM #	QTY	PART #	DESCRIPTION
1	6	41571	HYD CYLINDER 3.50" x 16" BAL-SOC 4000PSI
2	6	8613	HYD ELBOW .50NPTM X .50NPTFM X 90 DEG (5502-8)
3	2	11543	HYD TEE .50NPTMX .50NPTFMX .50NPTFM (5602-8)
4	2	21181	HYD NIPPLE .50NPTMX .38NPTM (5404-8-6)
5	2	25470	HYD BALL VALVE .37" NPTM
6	2	9862	HYD REDUCER .37NPTMX .25NPTFM (5406-6-4)
7	1	91168	HYD HOSE .50X .50NPTMX .50NPTMSX 108"LG
8	1	33290	HYD HOSE .50X .50NPTMX .50NPTMSX 192"LG
9	2	18469	HYD HOSE .25X .25NPTMSX .50NPTMX 288"LG.
10	2	11023	HYD MISC PIONEER MALE / .50NPTFM (S71-4)
11	2	28392	HYD MISC PIONEER DUST CAP (S49-4)
12	1	72486	BREATHER VENT PLUG 1/2" (BV-4)

Parts

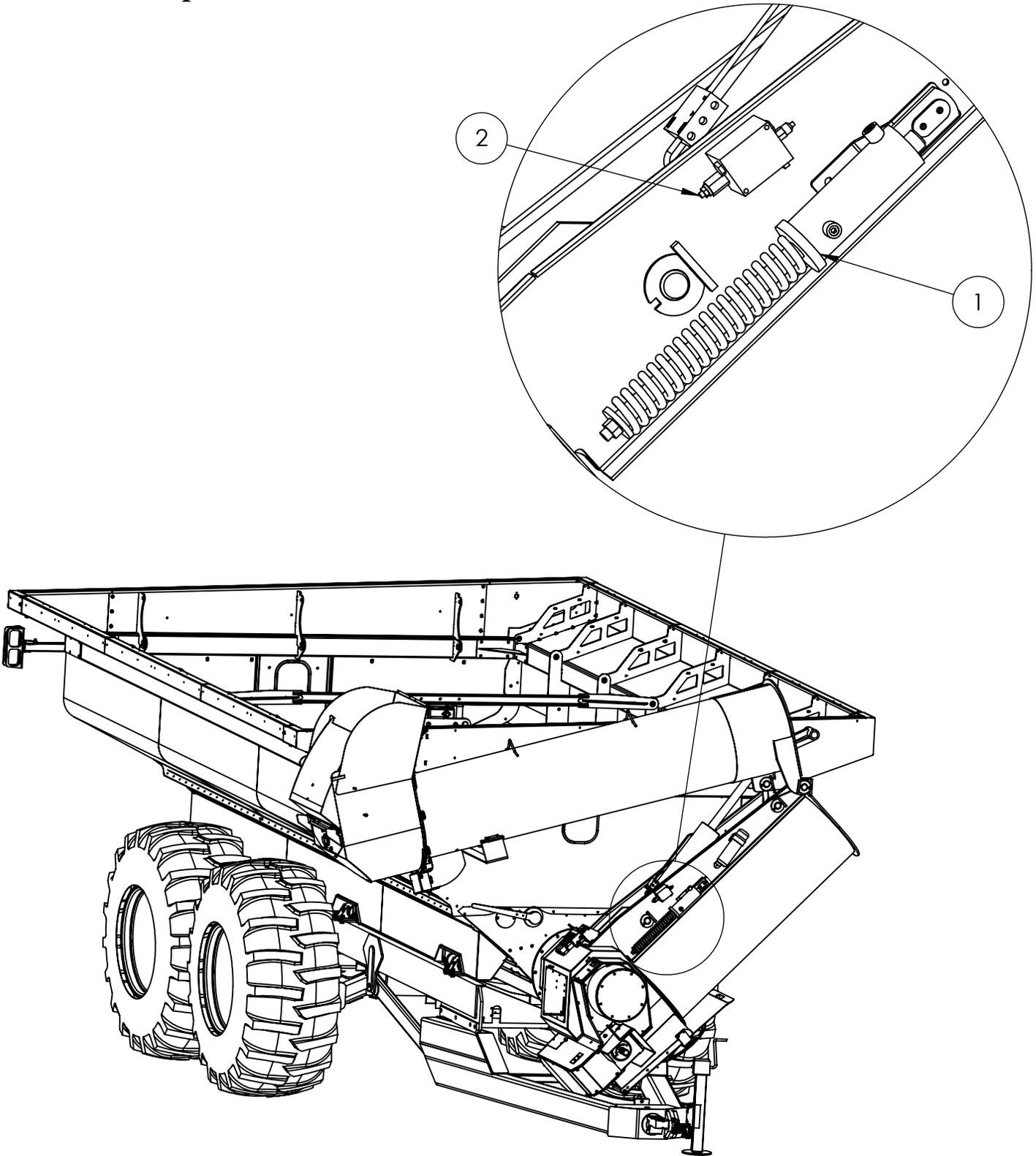
Hydraulic Brake Return

SET PRESSURE AT 1000 PSI AT GAUGE



ITEM #	QTY.	PART #	DESCRIPTION
1	1	82550	BRAKE VALVE MANIFOLD
2	1	82548	BRAKE SPRING
3	1	10459	HYD VALVE CHECK .50" NPTFM x .50" NPTFM
4	2	9957	HYD TEE .25NPTFMX .25NPTFMX .25NPTFM (5605-4)
5	1	36069	HYD CROSS .25NPTFMX .25NPTFMX .25NPTFM (5
6	1	37521	FITTING TST PNT w/ METAL CAP
7	1	8638	GAUGE PRESSURE
8	2	8634	COUPLER QUICK .5NPT M&F SET

Brake Component Location



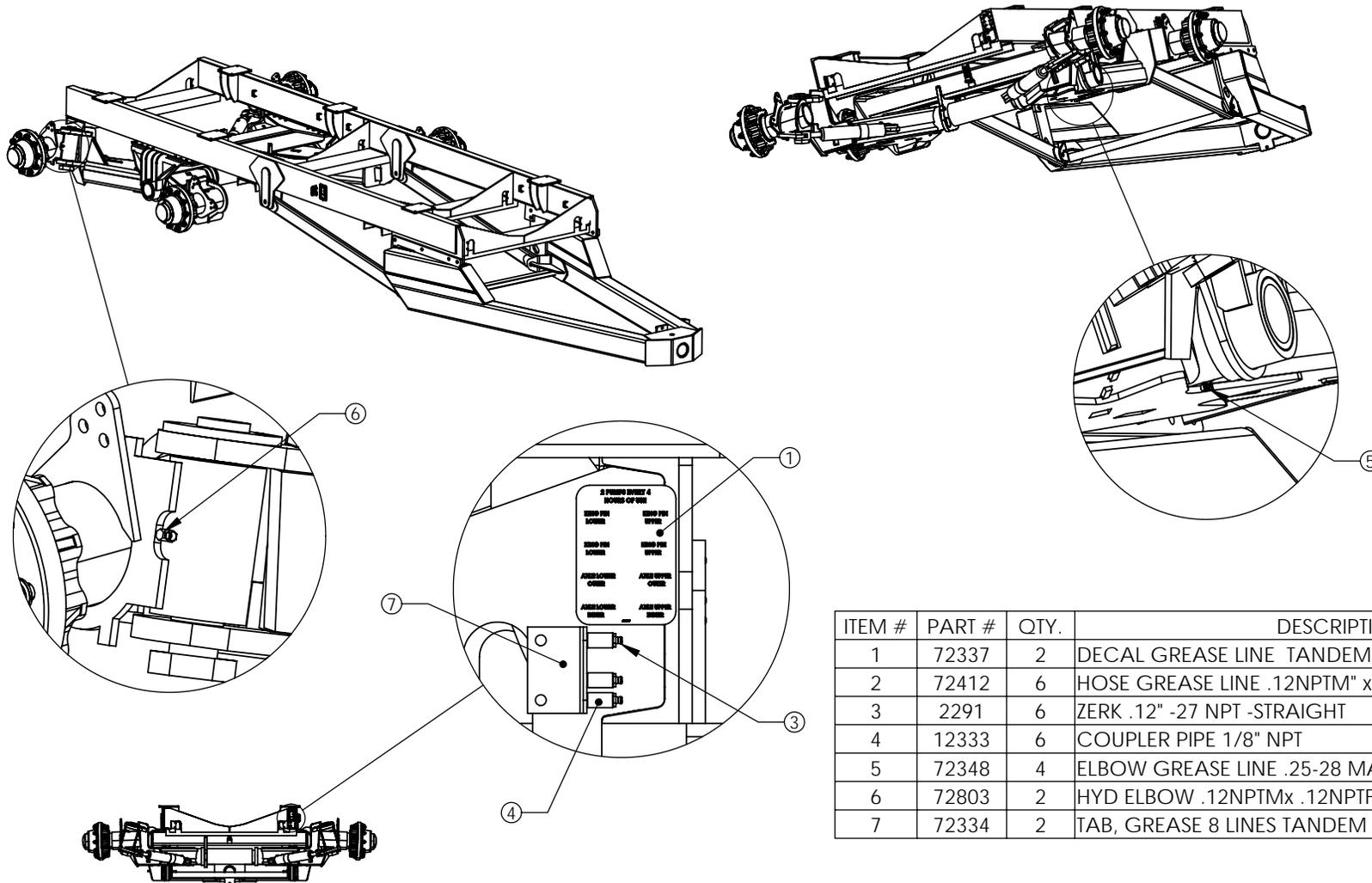
ITEM #	PART #	DESCRIPTION	QTY.
1	82548	BRAKE SPRING	1
2	82550	BRAKE VALVE MANIFOLD	1

LAST REVISED
Tuesday, May 11, 2010 9:12:34 PM
SAVED AS

E:\MANUALS\4 Current Manuals\2010 GRAIN CART\6 GC 2010 Parts\4 GC 2010 Parts SW\Brake Part Location

Parts

900325 Tandem Grease Bank



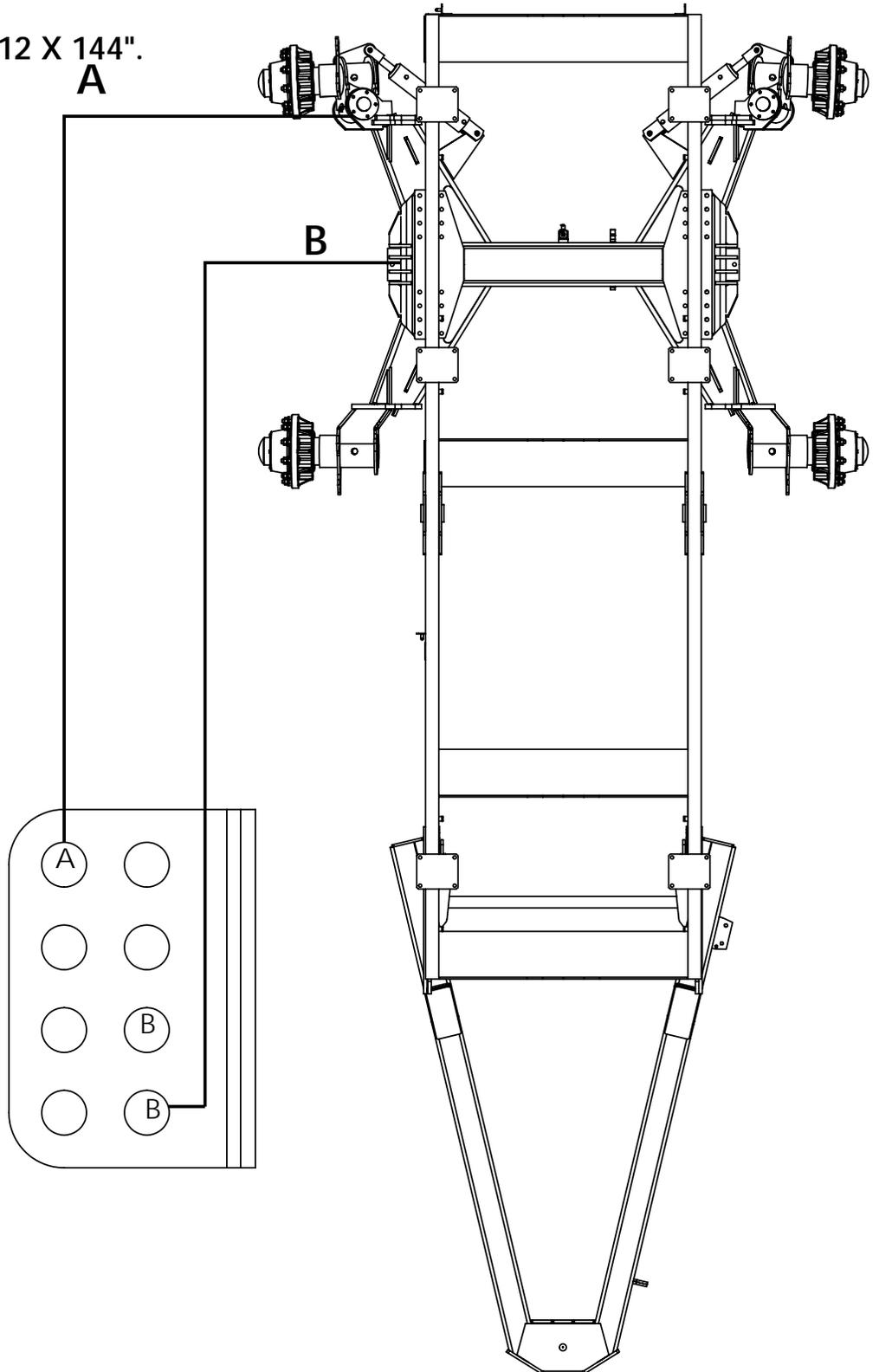
ITEM #	PART #	QTY.	DESCRIPTION
1	72337	2	DECAL GREASE LINE TANDEM
2	72412	6	HOSE GREASE LINE .12NPTM" x .12NPTM" x 144"
3	2291	6	ZERK .12" -27 NPT -STRAIGHT
4	12333	6	COUPLER PIPE 1/8" NPT
5	72348	4	ELBOW GREASE LINE .25-28 MALE X .12NPT FEMALE
6	72803	2	HYD ELBOW .12NPTMx .12NPTFMS 90DEG (1501 2-2)
7	72334	2	TAB, GREASE 8 LINES TANDEM GRAIN CART

900325 Tandem Grease Bank

HOSE DESCRIPTIONS.

A. HOSE GREASE LINE #72412 X 144".
(1 PER SIDE)

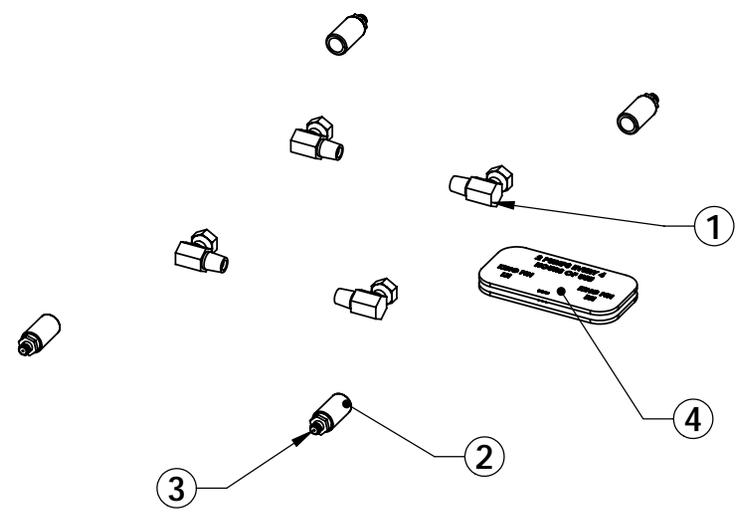
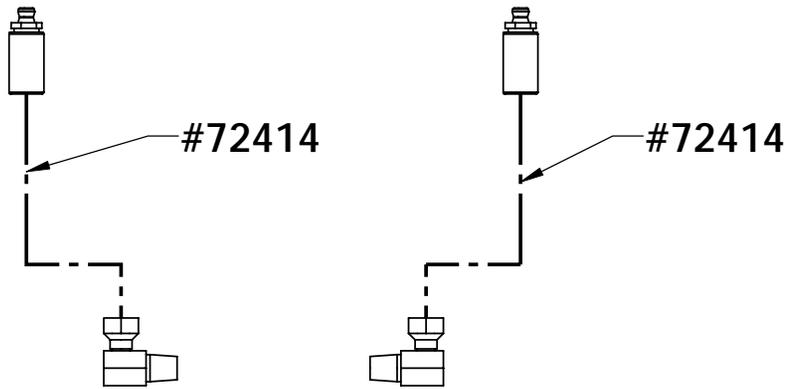
B. HOSE GREASE LINE #72412 X 144".
(2 PER SIDE)



2 PUMPS EVERY 4 HOURS OF USE	
KING PIN LOWER	KING PIN UPPER
KING PIN LOWER	KING PIN UPPER
AXLE LOWER OUTER	AXLE UPPER OUTER
AXLE LOWER INNER	AXLE UPPER INNER

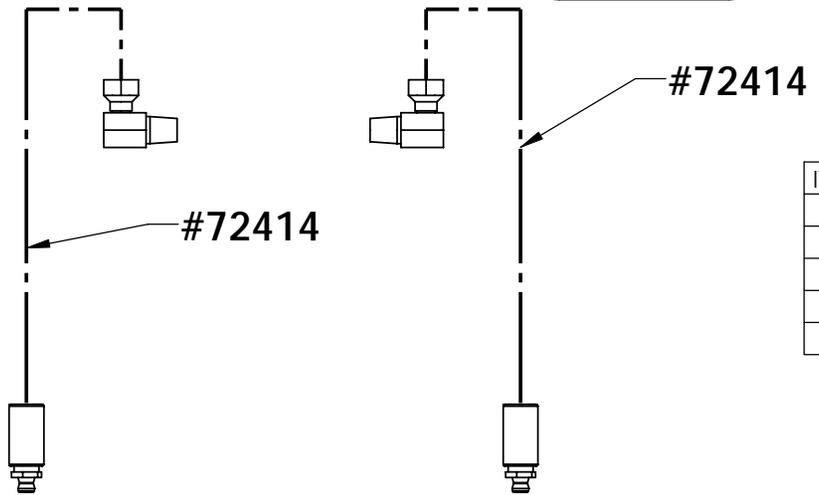
Parts

900322 Tridem Grease Bank



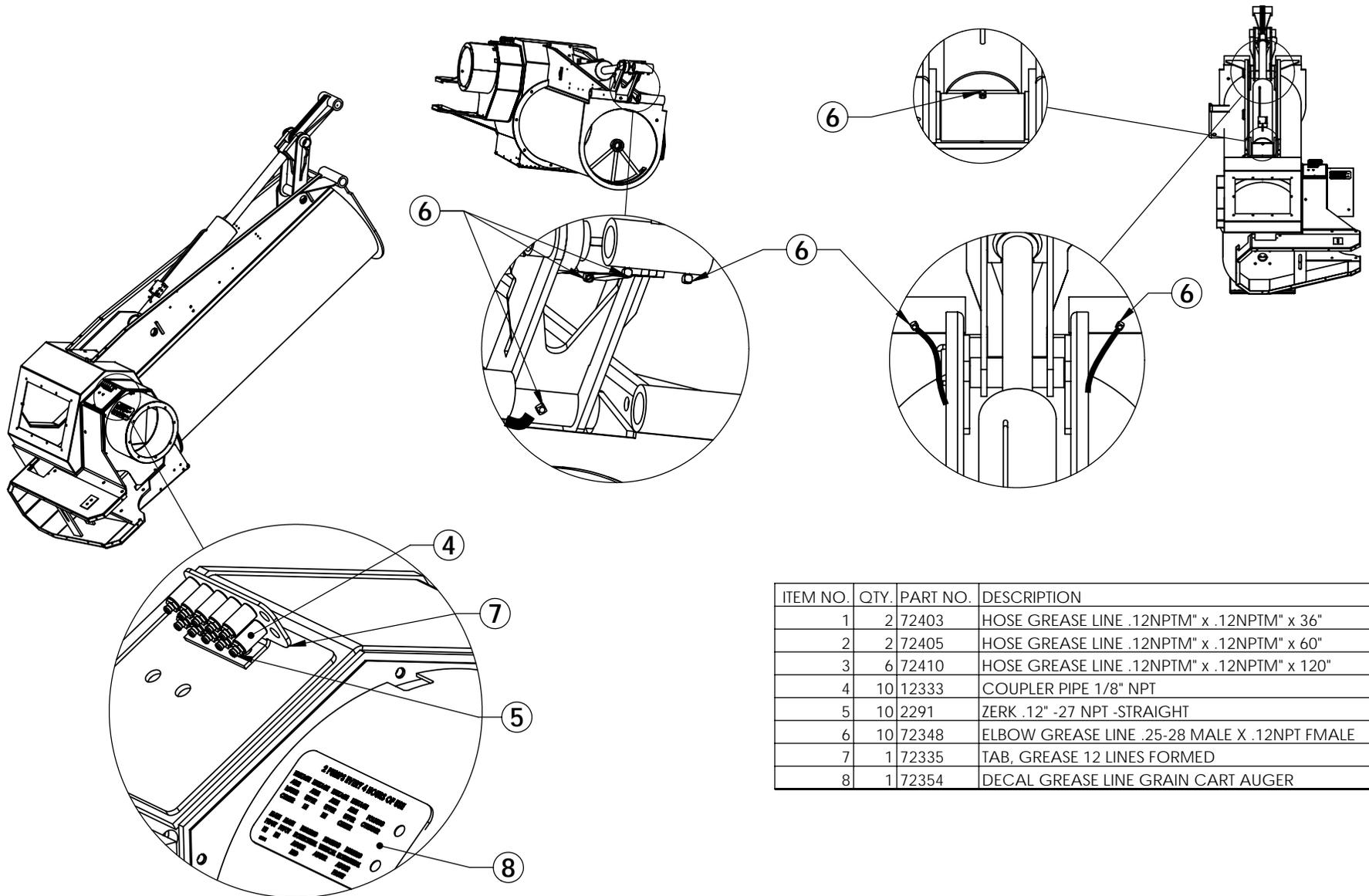
2 PUMPS EVERY 4 HOURS OF USE

KING PIN KING PIN
LH RH



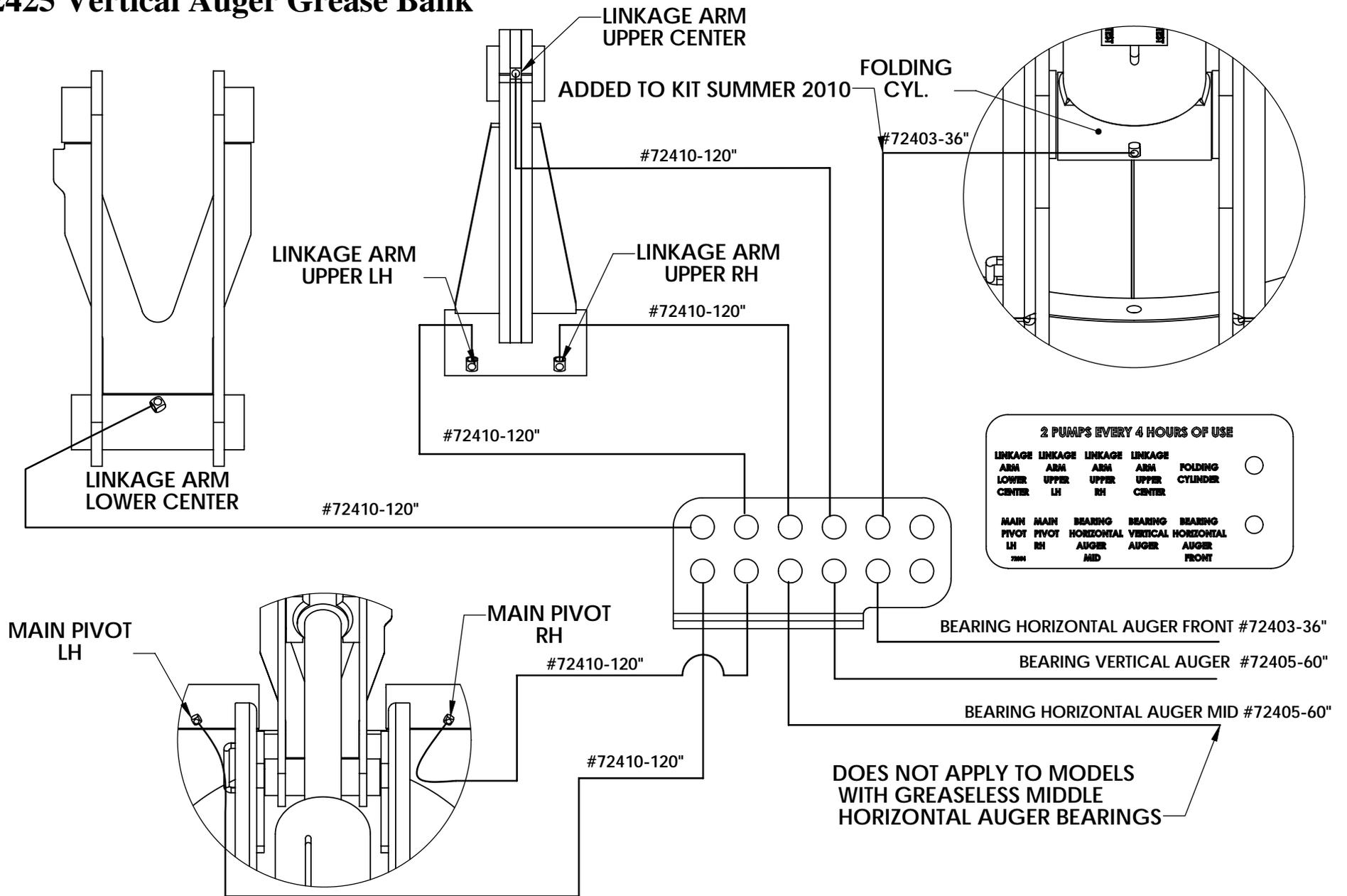
ITEM #	PART #	QTY.	DESCRIPTION
1	72803	4	HYD ELBOW .12NPTMx .12NPTFMS 90DEG (1501 2-2)
2	12333	4	COUPLER PIPE 1/8" NPT
3	2291	4	ZERK .12" -27 NPT -STRAIGHT
4	72769	2	DECAL GREASE LINE TRIDEM
5	72414	4	HOSE GREASE LINE .12NPTM" x .12NPTM" x 168"

72425 Vertical Auger Grease Bank



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	72403	HOSE GREASE LINE .12NPTM" x .12NPTM" x 36"
2	2	72405	HOSE GREASE LINE .12NPTM" x .12NPTM" x 60"
3	6	72410	HOSE GREASE LINE .12NPTM" x .12NPTM" x 120"
4	10	12333	COUPLER PIPE 1/8" NPT
5	10	2291	ZERK .12" -27 NPT -STRAIGHT
6	10	72348	ELBOW GREASE LINE .25-28 MALE X .12NPT FEMALE
7	1	72335	TAB, GREASE 12 LINES FORMED
8	1	72354	DECAL GREASE LINE GRAIN CART AUGER

72425 Vertical Auger Grease Bank



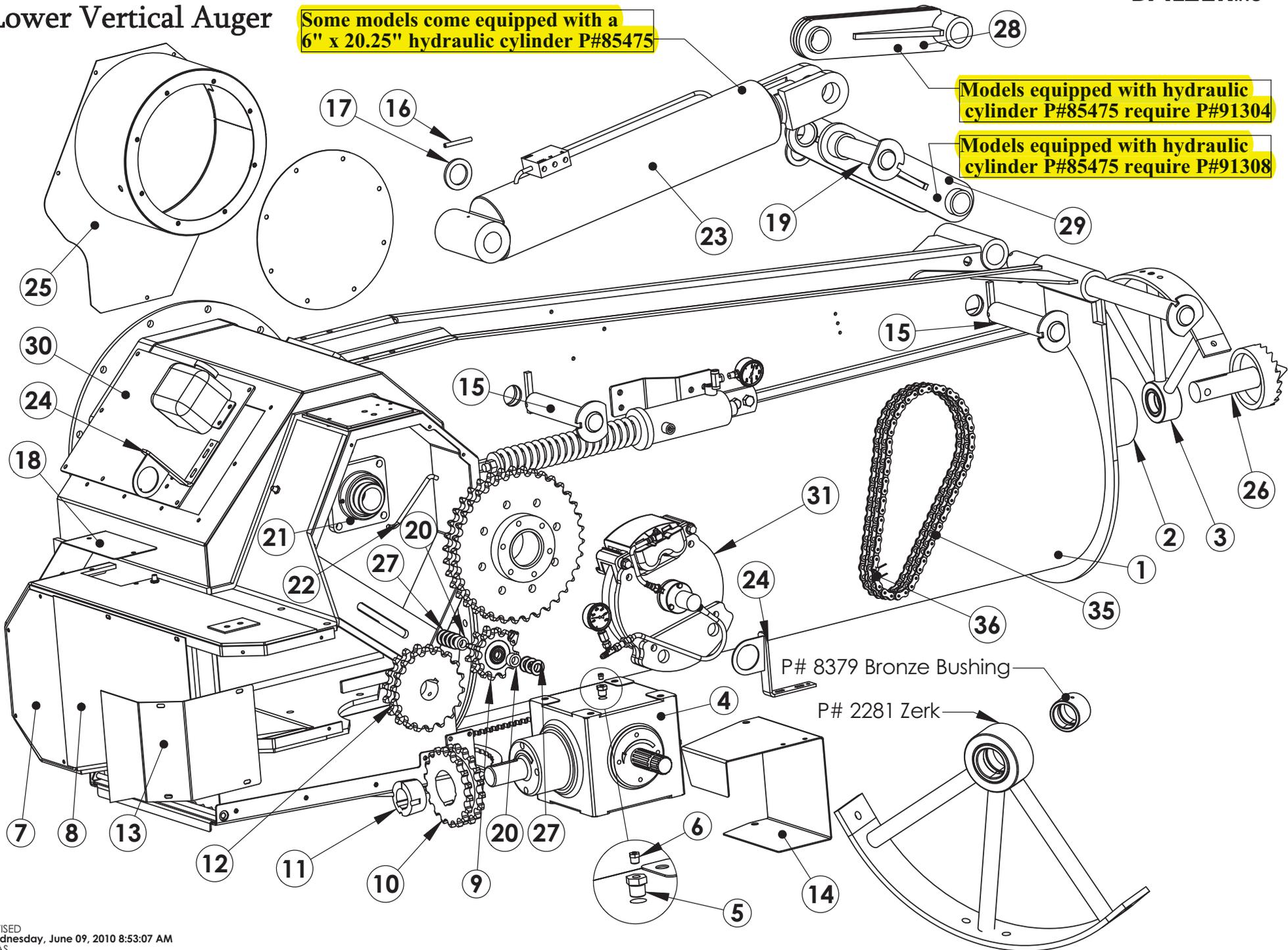
Parts

Lower Vertical Auger

Some models come equipped with a 6" x 20.25" hydraulic cylinder P#85475

Models equipped with hydraulic cylinder P#85475 require P#91304

Models equipped with hydraulic cylinder P#85475 require P#91308



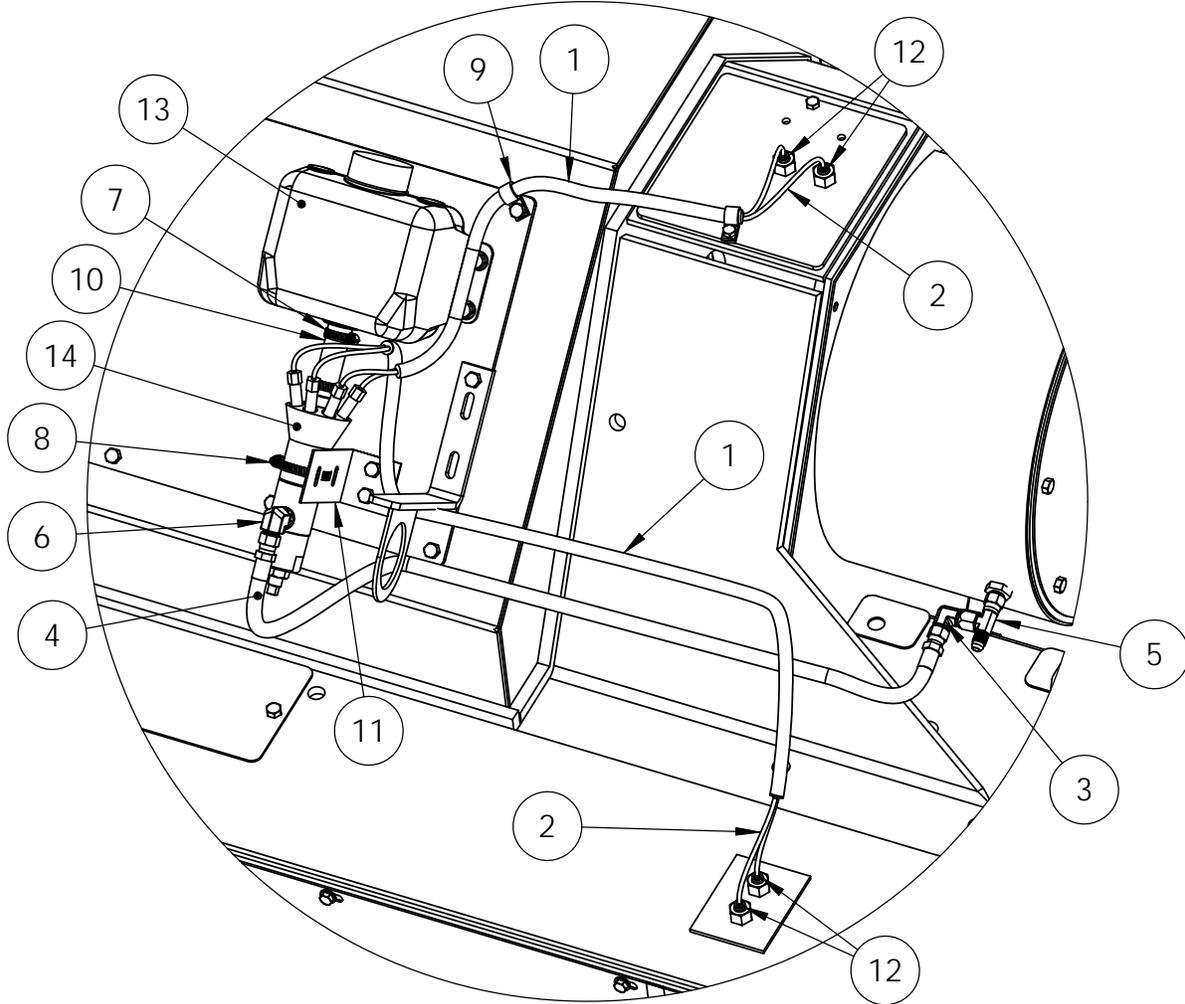
Lower Vertical Auger

ITEM #	PART #	DESCRIPTION	QTY.	
1	85335	LOWER VERT AUGER UPPER	1	
2	91275	AUGER VERT LOWER FLIGHTING 24"	1	
3	90575	AUGER VERT MID BEARING	1	
4	80500	GEAR BOX 1.35-1 RATIO	1	
5	13038	HYD REDUCER .50NPTMX .12NPTFM (5406-8-2)	1	
6	13097	BREATHER .12"NPT BRASS, 5#PSI VENT	1	
7	91322	SHIELD LOWER DRIVE REAR	1	
8	91321	SHIELD LOWER DRIVE MIDDLE	1	
9	80508	SPROCKET, IDLER DOUBLE	2	
10	80504	SPROCKET, D100ATL18-2517	1	
11	80511	BUSHING TAPERLOCK 2517 x 2"	1	
12	80505	SPROCKET D100A18	1	
13	84285	SHIELD LOWER DRIVE FRONT	1	
14	90738	SHIELD GEARBOX 24' AUGER	1	
15	91331	PIN 1.94" DIA x 10.13" WELD	2	
16	81767	ROLL PIN .37" x 3.00" LG	1	
17	81768	WASHER 2.00" ID X 3.00" OD X 0.25"TH	3	
18	83313	COVER 5" X 16" X 14 GA. FORMED	1	
19	91333	PIN WELD 1.94"DIA x 9.13" LG	1	
20	84289	PIPE 1.25" OD x 0.25" DOM x 0.62"LG	4	
21	26872	BEARING PILLOW 2.18"B x5.12"BP -CAM (NANF 211-35)	1	
22	24178	HOSE, HYD 1/8" x 10 GREASE LINE	2	
*	23	91259	HYD CYL 6.00"B x22"S x2.75R -WELD-SOFT LAND 3000PSI	1
24	22430	HOSE SUPPORT	2	
25	84465	FRONT CLUTCH COVER VERT AUGER	1	
26	85090	COUPLER DRIVE LOWER VERT 2008	1	
27	1603	WASHER FLAT .75"	11	
**	28	72810	LINKAGE ARM UPPER PIVOT (HYBRED 2010)	1
***	29	72805	LINKAGE ARM LOWER WELD (HYBRED 2010)	1
30	72820	COVER CLEANOUT WELDMENT	1	
31	84460	BRAKE CLUTCH SUB ASSEMBLY	1	
32	91323	PIN WELD 1.94" DIA x 29.37"LG	1	
33	90894	SPROCKET DD100 WELD	1	
34	84468	PLATE, COVER BRAKE CLUTCH .07" x 15.5"OD	1	
35	80510B	CHAIN DOUBLE 26 FULL LINKS	1	
36	90926	CHAIN DOUBLE MASTER LINK	1	

Some models come equipped with a 6" x 20.25" hydraulic cylinder P#85475

ITEM #	PART #	DESCRIPTION	QTY.	
*	23	85475	HYD CYL 6.00"B x20.25"S x2.75R -WELD-SOFT LAND	1
**	28	91304	LINKAGE ARM UPPER PIVOT	1
***	29	91308	LINKAGE ARM LOWER WELD	1

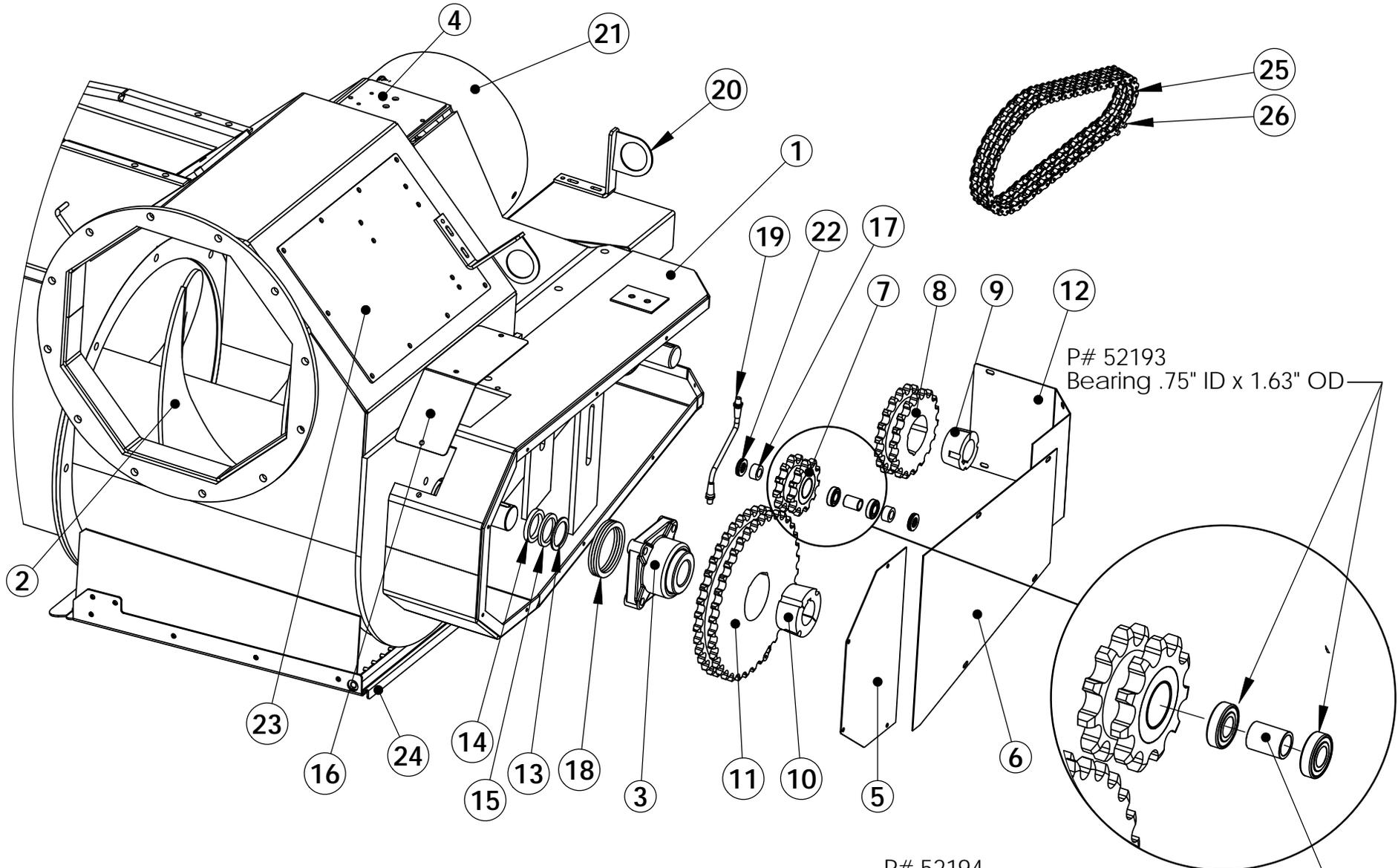
72815 Automatic Chain Oiler



ITEM #	PART #	DESCRIPTION	QTY.
1	72781	Auto Oiler Kit Wire Loom	2
2	72779	Auto Oiler Kit 5/32" OD Nylon Tubing	4
3	72818	HYD ELBOW .56 JICM X .56 JICFS 90 (6500-06)	1
4	72819	HYD Hose .25" X .56JICFS X .56JICFS X 46" LG	1
5	72152	HYD TEE .56JICMX.56JICFMSX.56JICM (6602-6)	1
6	72817	HYD ELBOW .43 JICM X .43ORM 90 (6801-04)	1
7	72813	#16 Hose Clamp	2
8	72814	#32 Hose Clamp	1
9	72812	5/8" Clamp	2
10	72773	Auto Oiler Kit Tygon Tube Only 2.25" LG	1
11	72775	Auto Oiler Kit Manifold Bracket Only	1
12	72796	Auto Oiler Kit Brush Only	4
13	72772	Auto Oiler Kit Tank Only	1
14	72774	Auto Oiler Kit Manifold Only	1

Parts

Lower Vertical Auger



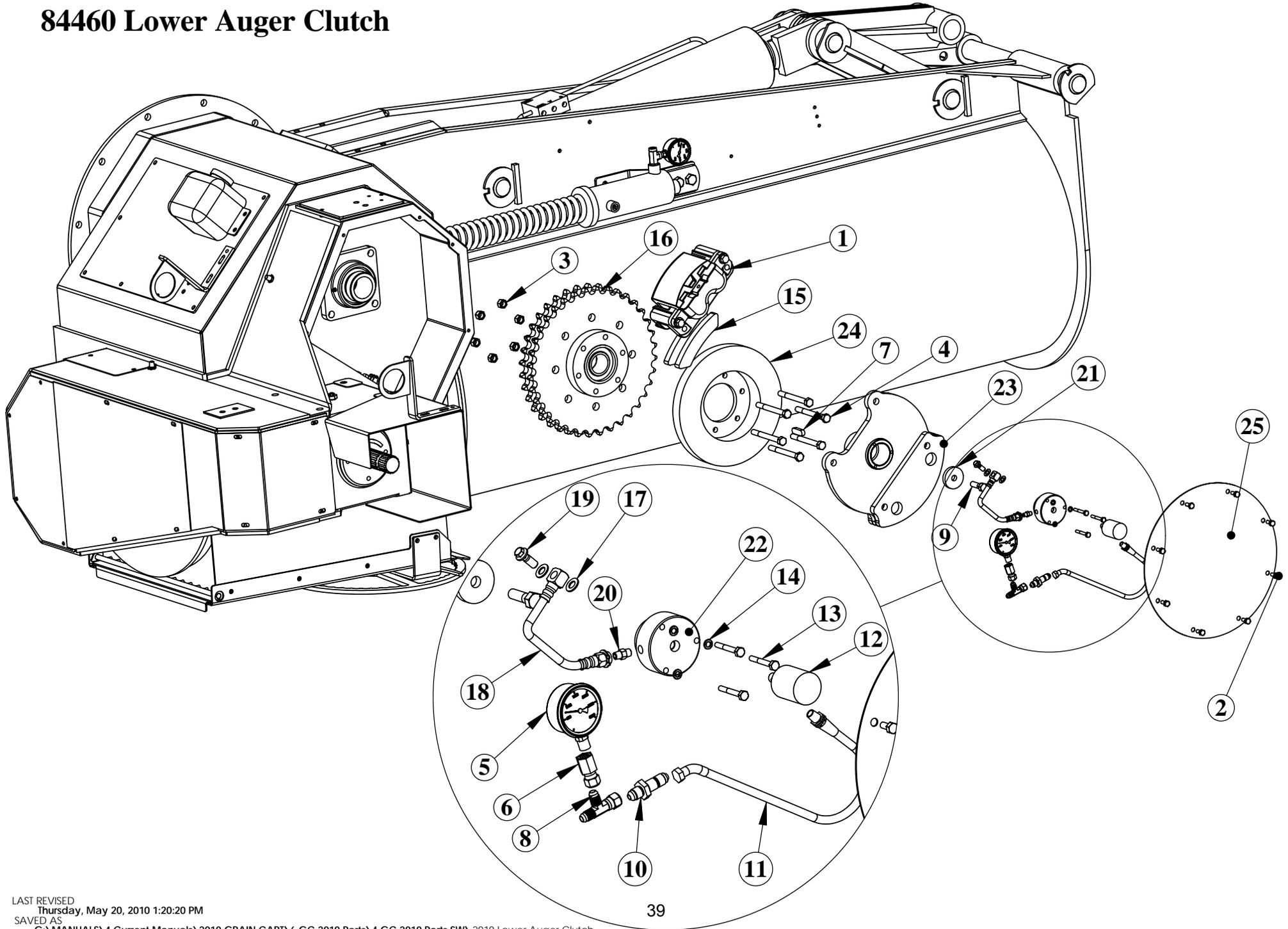
P# 52193
Bearing .75" ID x 1.63" OD

P# 52194
Spacer .75" ID x 1.00" OD x 1.35" Long

Lower Vertical Auger

ITEM #	PART #	DESCRIPTION	QTY.
1	85325	LOWER VERT AUGER LOWER	1
2	91275	AUGER VERT LOWER FLIGHTING 24"	1
3	84492	BEARING PILLOW 2.18"B x4.87" X SET	1
4	41704	COVER 7.56" X 7.56"	1
5	91322	SHIELD LOWER DRIVE REAR	1
6	91321	SHIELD LOWER DRIVE MIDDLE	1
7	80508	SPROCKET, IDLER DOUBLE	2
8	80504	SPROCKET, D100ATL18-2517	1
9	80511	BUSHING TAPERLOCK 2517 x 2"	1
10	80512	BUSHINGTAPERLOCK 3020	1
11	80506	SPROCKET D100ATL36-3020	1
12	84285	SHIELD LOWER DRIVE FRONT	1
13	92413	WASHER 2.18" ID X 2.87" OD X .12" TH	1
14	92414	WASHER 2.18" ID X 2.87" OD X .37" TH	1
15	92415	WASHER 2.18" ID X 2.87" OD X .25" TH	1
16	83313	COVER 5" X 16" X 14 GA. FORMED	1
17	84289	PIPE 1.25" OD x 0.25" DOM x 0.62"LG	4
18	22340	GASKET 4" CAM LOCK	3
19	24178	HOSE, HYD 1/8" x 10 GREASE LINE	2
20	22430	HOSE SUPPORT	2
21	84465	FRONT CLUTCH COVER VERT AUGER	1
22	1603	WASHER FLAT .75"	11
23	90588	COVER CLEAN OUT 24" AUGER	1
24	85505	VERTICAL AUGER CLEAN OUT DOOR WELDMENT	1
25	80510A	CHAIN DOUBLE 36 FULL LINKS	1
26	90926	CHAIN DOUBLE MASTER LINK	1

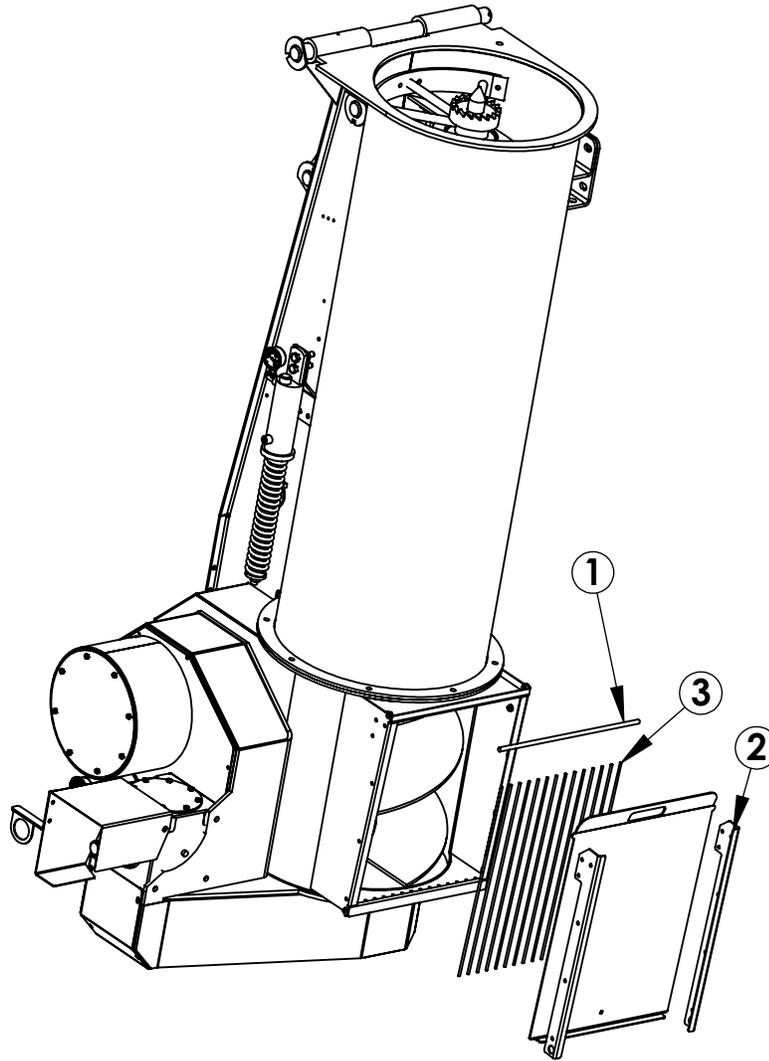
84460 Lower Auger Clutch



84460 Lower Auger Clutch

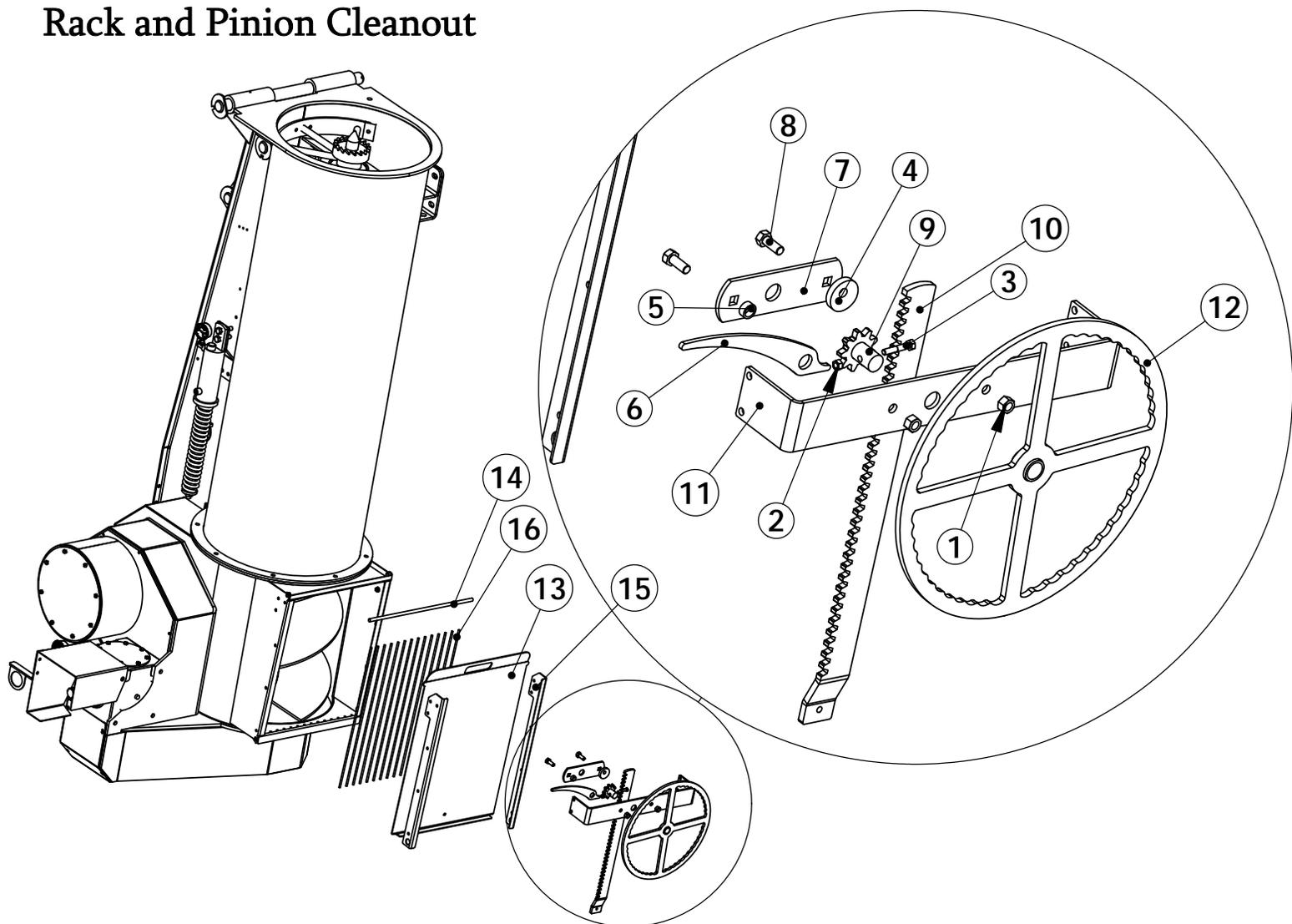
ITEM #	PART #	DESCRIPTION	QTY.
1	84459	BRAKE CALIPER	1
2	1183	BOLT HEXHEAD .31" x .75" - UNC 18 GR5	8
3	2539	NUT TOPLOCK .50" - 13 UNC	8
4	1262	BOLT HEXHEAD .50" x 5.00" - UNC 13 GR5	6
5	8638	GAUGE PRESSURE	2
6	72153	HYD ADAPTOR .25NPTFMX .56JICFMS (6506-6-4)	1
7	80793	KEY 9 x 14 x 45MM	1
8	72152	HYD TEE .56JICMX.56JICFMSX.56JICM (6602-6)	1
9	1251	BOLT HEXHEAD .50" x 1.75" - UNC 13 GR5	1
10	72133	HYD BULKHEAD .56JICMX.56JICM (2700-6)	1
11	72132	HYD HOSE .25X .25NPTMX .56JICFMS 45DEGX 15"LG	1
12	71741	HYD ROTATING COUPLER .25" NPT	1
13	1168	BOLT HEXHEAD .25" x 2.00" - UNC 20 GR5	3
14	1634	WASHER LOCK .25"	3
15	84477	BRAKE PAD	2
16	90895	SPROCKET/BEARING ASBY	1
17	37090	FLATE WASHER .37" BRASS	2
18	84480	BRAKE LINE HOSE	1
19	84479	BOLT BANJO	1
20	84478	HYD COUPLER 1/8 NPT - 3/16 BRK LINE	1
21	84476	3/8" WASHER 2.156" OD x .562"ID	1
22	84464	END CAP 3" OD x 2" LONG MACHINED	1
23	84458	WELDMENT	1
24	84461	BRAKE ROTOR MACHINED	1
25	84468	PLATE, COVER BRAKE CLUTCH .07" x 15.5"OD	1

Manual Cleanout



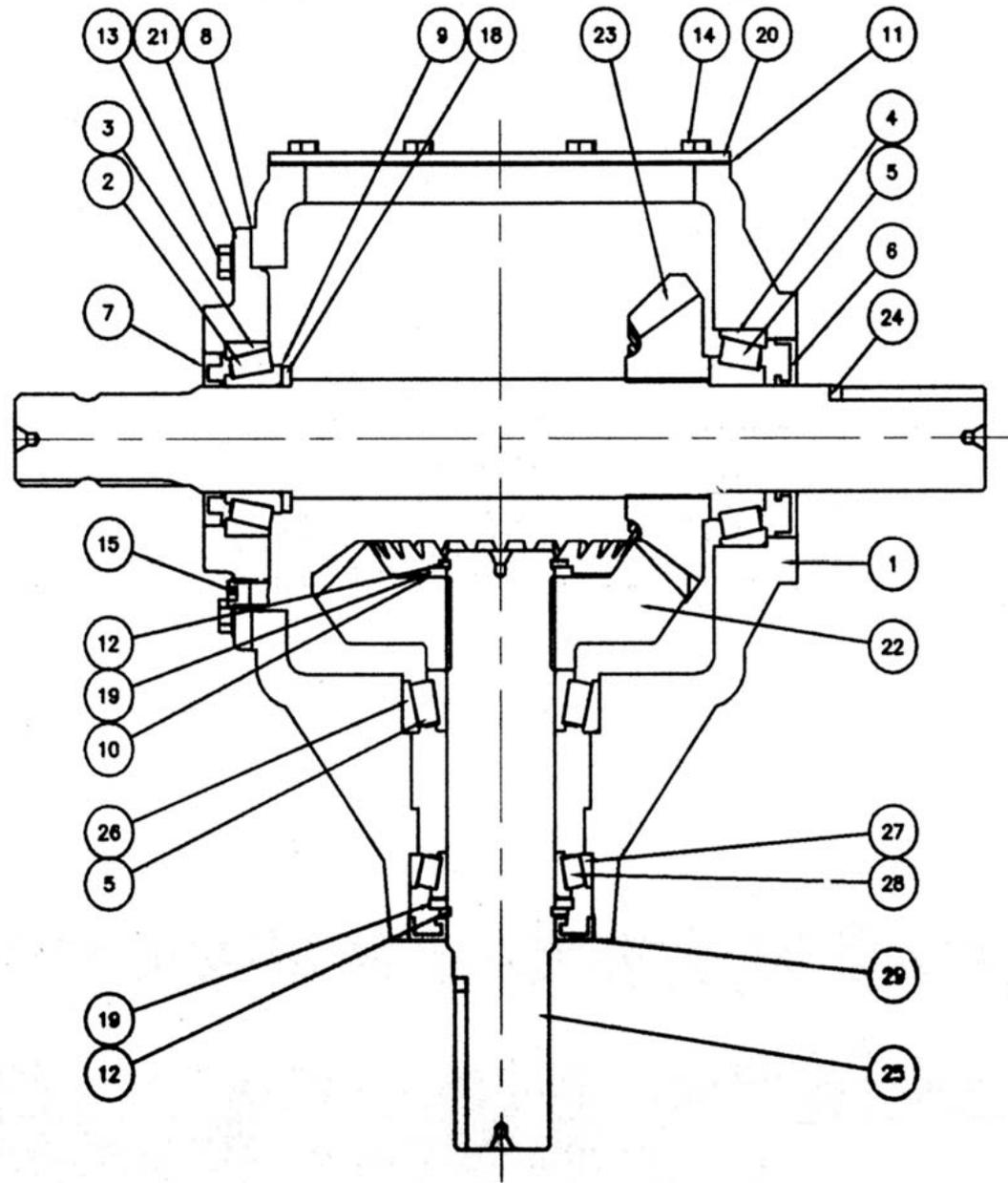
ITEM #	QTY.	PART #	DESCRIPTION
1	1	85113	ROD STOP ROUND 1/2" DIA x 21 7/8" LONG
2	1	85114	PLATE FORMED REAR 10GAx4"x1.5"x29.25"LG
3	14	90360	ROUND .25" OD X 26 1/4. " LG

Rack and Pinion Cleanout



ITEM #	PART #	DESCRIPTION	QTY.
1	2539	NUT TOPLOCK .50" - 13 UNC	2
2	2475	NUT TOPLOCK .31" - 16 UNC	1
3	1188	BOLT HEXHEAD .31" x 1.75" - UNC 18 GR5	1
4	92276	SPACER 3/8" THICK 1 7/8" OD x 17/32" ID OFFCENTER 1/4"	1
5	92279	SPACER PIPE 3/8' LONG 1/2" SCH 40 PIPE	1
6	92278	LATCH ARM - GRAIN CART	1
7	92277	PINION BRACKET REAR	1
8	1249	BOLT HEXHEAD .50" x 1.25" - UNC 13 GR5	2
9	92273	PINION & SHAFT - CLEAN OUT DOOR	1
10	92271	RACK GEAR AUGER DOOR	1
11	92275	PINION BRACKET	1
12	92280	HANDWHEEL WELD	1
13	80414	AUGER VERT CLEANOUT DOOR	1
14	85113	ROD STOP ROUND 1/2" DIA x 21 7/8" LONG	1
15	85114	PLATE FORMED REAR 10GAx4"x1.5"x29.25"LG	1
16	90360	ROUND .25" OD X 26 1/4. " LG	14

Graincart Gearbox, Part# 80500



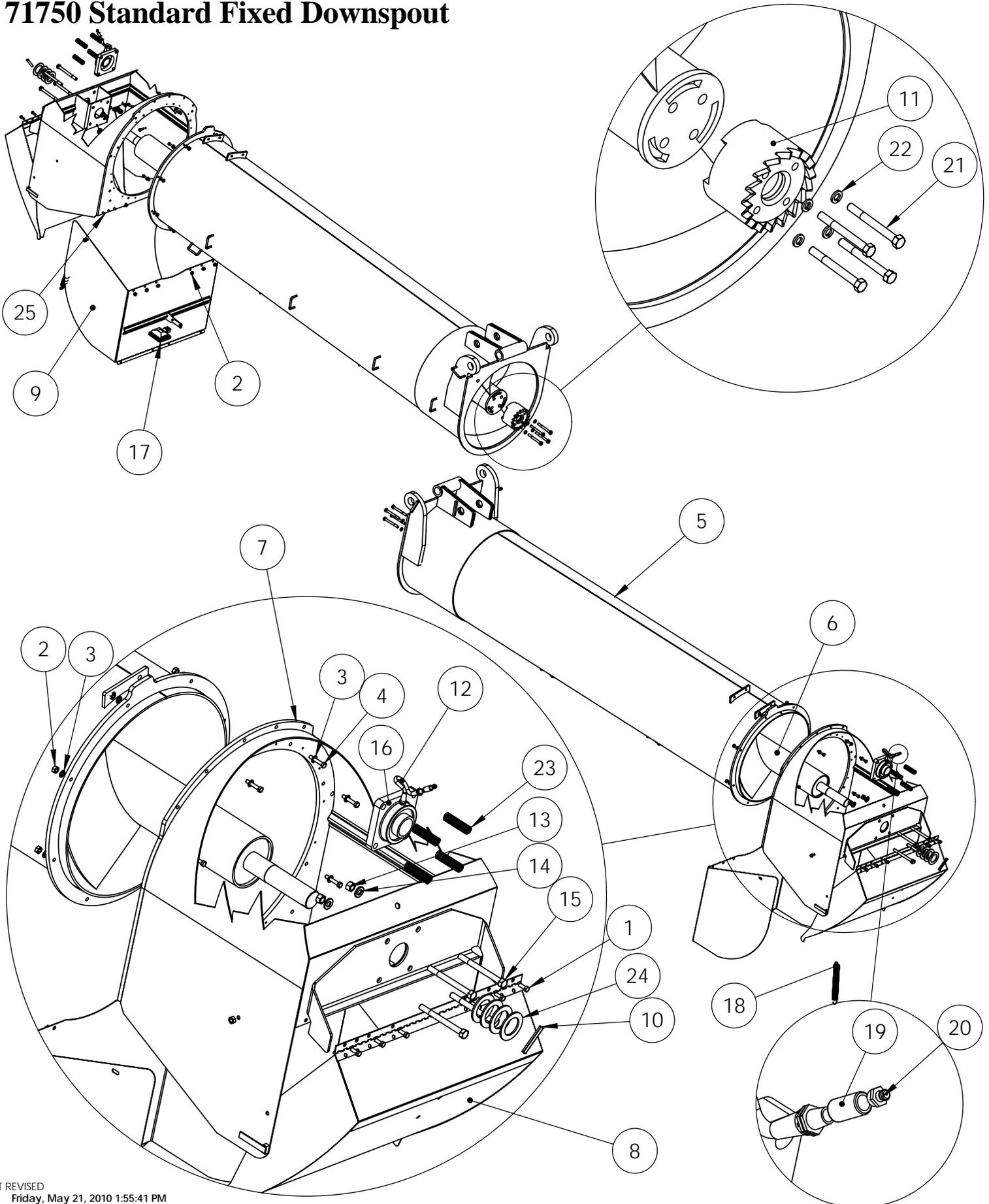
Graincart Gearbox Part # 80500

Item#	QTY.	Part #	Description
1	1	50767	HOUSING GEARBOX - 1000 GRAIN CART GEARBOX
2	1	22602	BEARING CUP
3	1	50768	BEARING CONE GRAIN CART GEARBOX
4	1	50769	BEARING CONE GRAIN CART GEARBOX
5	2	50770	BEARING CUP GRAIN CART GEARBOX
6	1	50771	SEAL OIL GRAIN CART GEARBOX
7	1	50524	SEAL PRAIRIE #1499 SHREDDER GEARBOX 1000 RPM 2" ID FOR INPUT SHAFT
8	1	22604	SHIM .007 (COVER) PRAIRIE #1544
9	1	50781	SHIM 2" ID X .007 THK GRAIN CART GEARBOX
10	1	50782	SHIM 2.25" IN GRAIN CART GEARBOX
11	1	50780	GASKET, COVER PLATE GRAIN CART GEARBOX
12	2	52274	SNAP RING GRAIN CART GEARBOX
13	8	1206	BOLT .37" X 1" HEXHEAD GRADE 5 Z.P.
14	8	1204	BOLT .37" X .75" HEXHEAD GRADE 5 Z.P.
15	1	6997	PLUG DRAIN HEX SOC .25 NPT
16	1	8907	PIPE PLUG .50-14 NPTF SQ HD
17	1	50785	VENT 1/2" NPT GRAIN CART GEARBOX
18	1	50417	WASHER 2" ID X .179 OUTPUT SHAFT PUMP VERTICAL LAGOON
19	2	50784	WASHER 2.25" ID X .179 GRAIN CART GEARBOX
20	1	50778	PLATE COVER GRAIN CART GEARBOX
21	1	50779	COVER OPEN GRAIN CART GEARBOX
22	1	50774	GEAR 27T GRAIN CART GEARBOX
23	1	50775	PINION 20T GRAIN CART GEARBOX
24	1	50776	SHAFT THRU GRAIN CART GEARBOX
25	1	50777	SHAFT QUILL GRAIN CART GEARBOX
26	1	50772	BEARING CONE GRAIN CART GEARBOX
27	1	13149	BEARING CUP INNER 382A 8 BOLT HVY
28	1	13150	BEARING CONE INNER
29	1	50773	SEAL OIL GRAIN CART GEARBOX GERABOX 2.25" ID X 3.876" OD

Parts

BALZER^{INC}

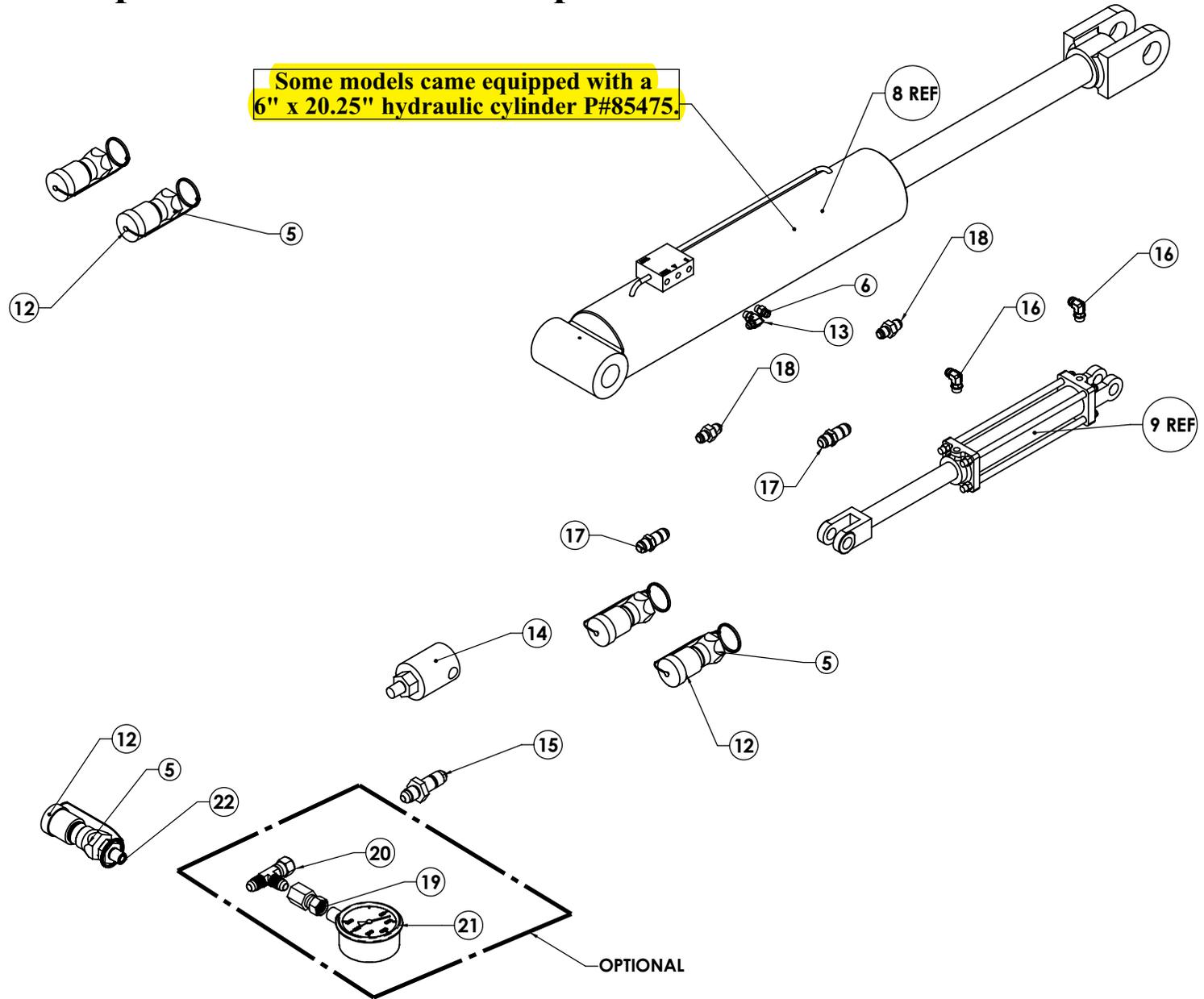
71750 Standard Fixed Downspout



71750 Standard Fixed Downspout

ITEM #	PART #	DESCRIPTION	QTY.
1	1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	8
2	1773	NUT TOPLOCK .37"-16 UNC	22
3	1598	WASHER FLAT .37"	16
4	1210	BOLT HEXHEAD .37" x 2.00" - UNC 16 GR5 Full Thread	8
5	83530	AUGER VERT UPPER SWIVEL WELDMENT	1
6	92427	AUGER VERT UPPER 24" FLIGHTING	1
7	71710	AUGER SWIVEL SPOUT WELDMENT	1
8	71740	AUGER SWIVEL CURVED DEFLECTOR	1
9	71865	AUGER SWIVEL TARGETABLE DOWNSPOUT	1
10	91588	ROLL PIN .50" x 3.50" LG	1
11	85095	UPPER VERTICAL AUGER COUPLER	1
12	24178	HOSE, HYD 1/8" x 10 GREASE LINE	1
13	1776	NUT .62 " TOP LOCK	4
14	1602	WASHER FLAT .62"	4
15	1304	BOLT HEXHEAD .62" x 6.50" - UNC 11 GR5	4
16	26871	BEARING PILLOW 2.18"B x 4 BOLT FLG X 5.12 BP	1
17	60984	WORK LIGHT LED	1
18	72586	SPRING EXT 1.25"OD X 10" LG. X .148 DIA. WIRE	1
19	12333	COUPLER PIPE 1/8" NPT	1
20	2291	ZERK .12" -27 NPT -STRAIGHT	1
21	1261	BOLT HEXHEAD .50" x 4.50" - UNC 13 GR5	4
22	1638	LOCK WASHER .50"	4
23	90596	SPRING COMPRESSION .71 ID x 3.5"	4
24	90598	WASHER 2.25IDX 3.50ODX 0.179TH	4
25	1207	BOLT HEXHEAD .37" x 1.25" - UNC 16 GR5	6

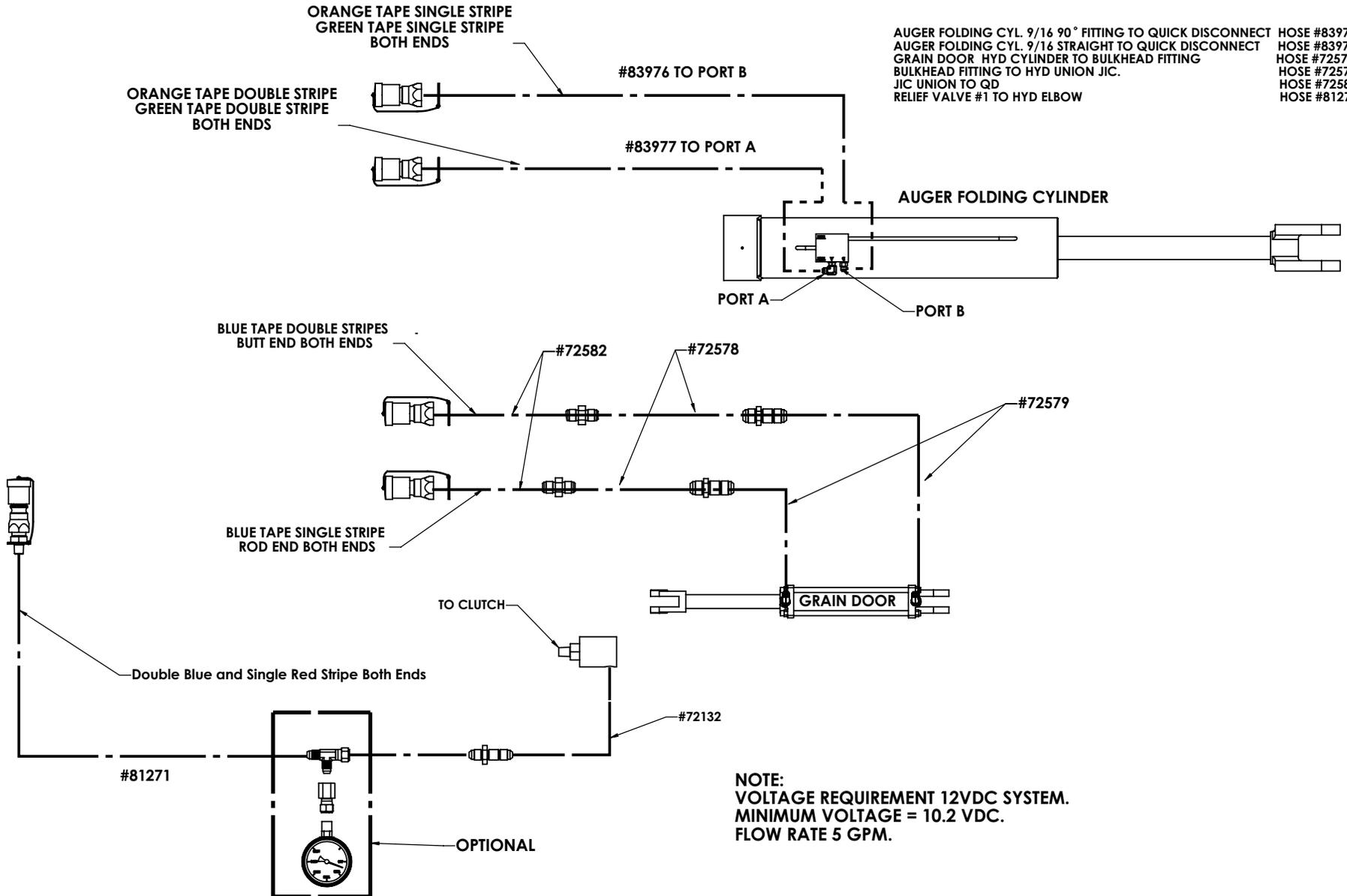
72105 Hydraulic Components Standard Downspout



72105 Hydraulic Components Standard Downspout

HOSE DESCRIPTIONS

AUGER FOLDING CYL. 9/16 90° FITTING TO QUICK DISCONNECT HOSE #83976 X 185"
 AUGER FOLDING CYL. 9/16 STRAIGHT TO QUICK DISCONNECT HOSE #83977 X 185"
 GRAIN DOOR HYD CYLINDER TO BULKHEAD FITTING HOSE #72579 X 72"
 BULKHEAD FITTING TO HYD UNION JIC. HOSE #72578 X 192"
 JIC UNION TO QD HOSE #72582 X 108"
 RELIEF VALVE #1 TO HYD ELBOW HOSE #81271 X 96"



NOTE:
 VOLTAGE REQUIREMENT 12VDC SYSTEM.
 MINIMUM VOLTAGE = 10.2 VDC.
 FLOW RATE 5 GPM.

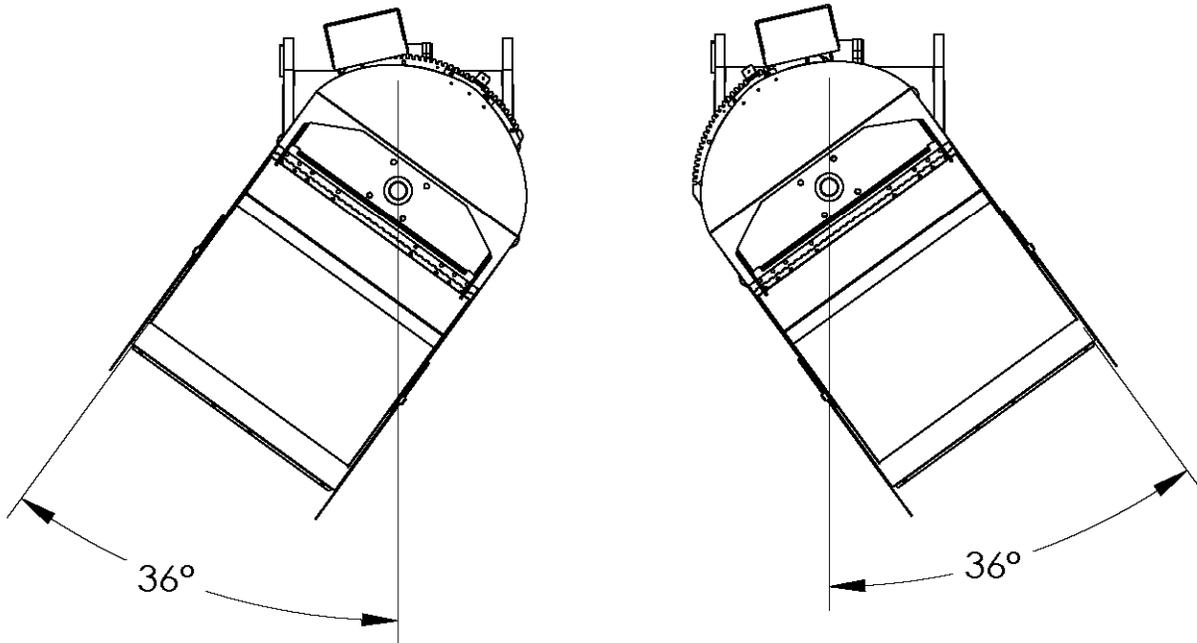
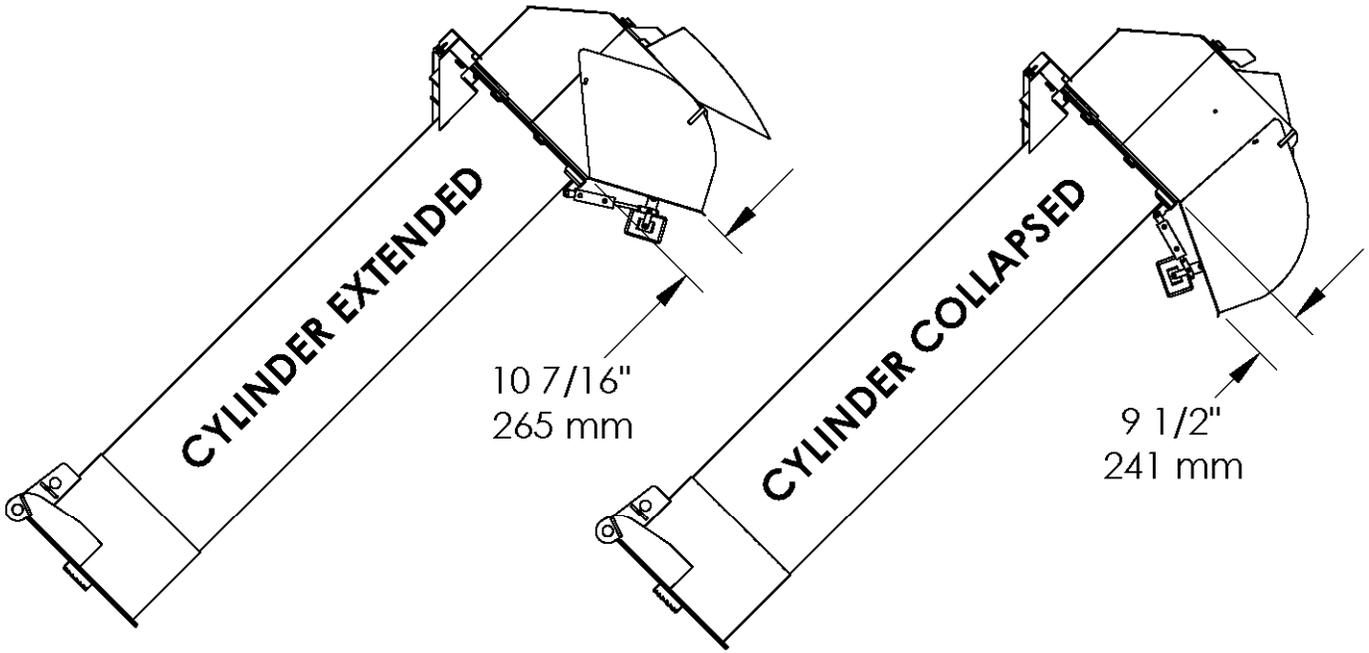
72105 Hydraulic Components Standard Downspout

ITEM #	PART #	DESCRIPTION	QTY.
1	72582	HYD HOSE .38X .50NPTMX .75JICFMX 108"LG	2
2	72578	HYD HOSE .37X .75JICFMX .75JICFMS 90DEGX 192"	2
3	72579	HYD HOSE .38X .75JICFMX .75JICFMSX 72"LG	2
4	72132	HYD HOSE .25X .25NPTMX .56JICFMS 45DEGX 15"LG	1
5	11023	HYD MISC PIONEER MALE /.50NPTFM (S71-4)	5
6	83979	HYD NIPPLE .56JICX 0.56ORM (6400-6)	1
7	83976	HYD HOSE .37X .50NPTMX .56JICFMSX 185"LG	1
* 8	91259	HYD CYL 6.00"B x22"S x2.75R -WELD-SOFT LAND 3000PSI	1
9	8226	HYD CYL 2.50" B x10.00"S x1.12R -TIE ROD 2500 PSI	1
10	81271	HYD HOSE .25X .25NPTMSX .56JICMSX 96"LG.	1
11	83977	HYD HOSE .37X .50NPTMX .56JICFMS 90DEGX 185"LG	1
12	28392	HYD MISC PIONEER DUST CAP (S49-4)	5
13	37299	HYD ELBOW .56 JICM X.56ORM 90 (6801-6)	1
14	71741	HYD ROTATING COUPLER .25" NPT	1
15	72133	HYD BULKHEAD .56JICMX.56JICM (2700-6)	1
16	72831	HYD ELBOW .75 JICM X.75ORM 90 (6801-8)	2
17	72551	HYD BULKHEAD .75JICMX.75JICM (2700-8)	2
18	72552	HYD UNION .75JICMX.75JICM (2403-8)	2
19	72153	HYD ADAPTOR .25NPTFMX .56JICFMS (6506-6-4)	1
20	72152	HYD TEE .56JICMX.56JICFMSX.56JICM (6602-6)	1
21	8638	GAUGE PRESSURE	1
22	21177	HYD NIPPLE .50NPTMX .25NPTM (5404-8-4)	1

Some models came equipped with a 6" x 20.25" hydraulic cylinder P#85475.

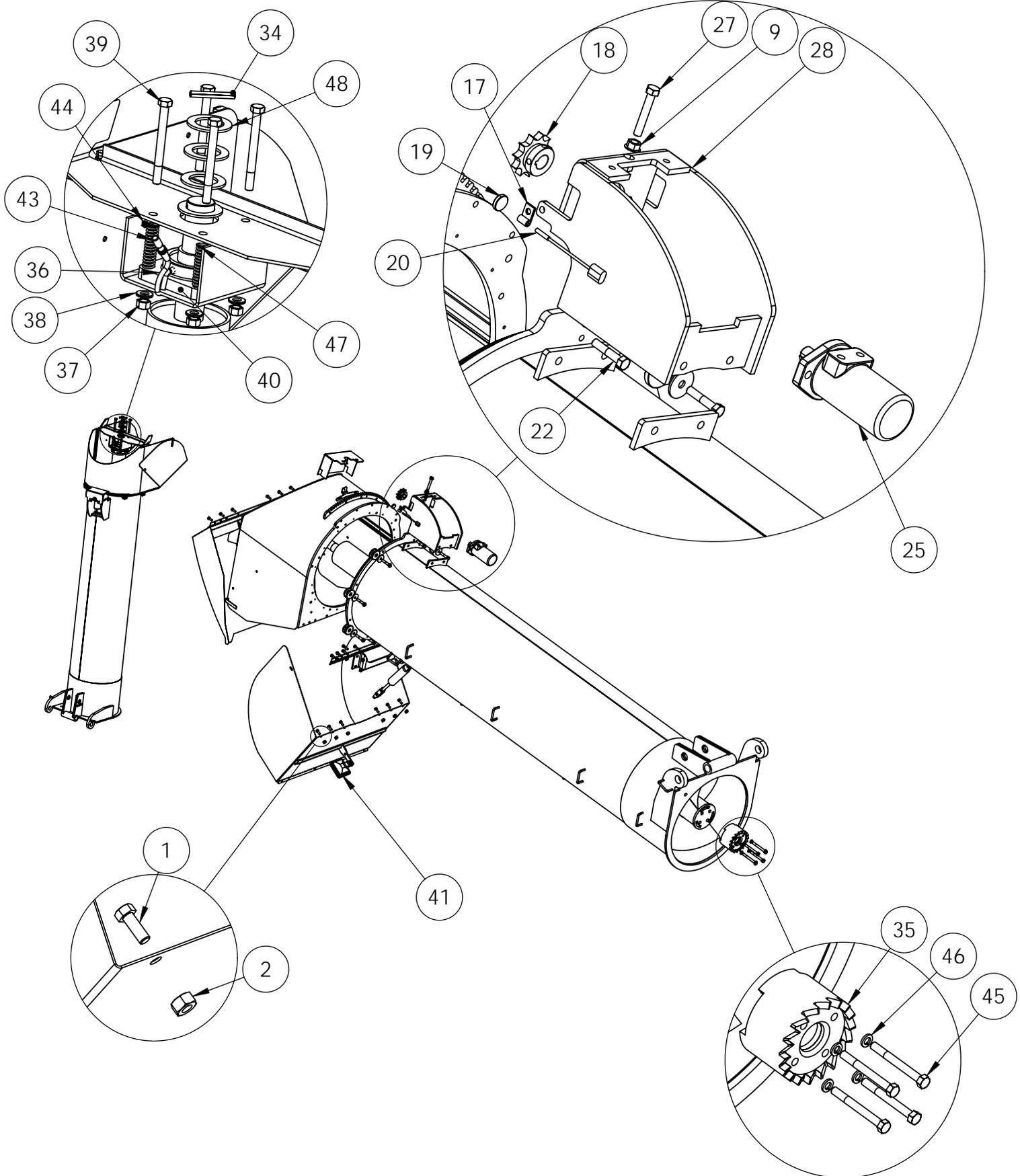
ITEM #	PART #	DESCRIPTION	QTY.
* 8	85475	HYD CYL 6.00"B x20.25"S x2.75R -WELD-SOFT LAND	1

71750 Multi-Directional Downspout Articulation

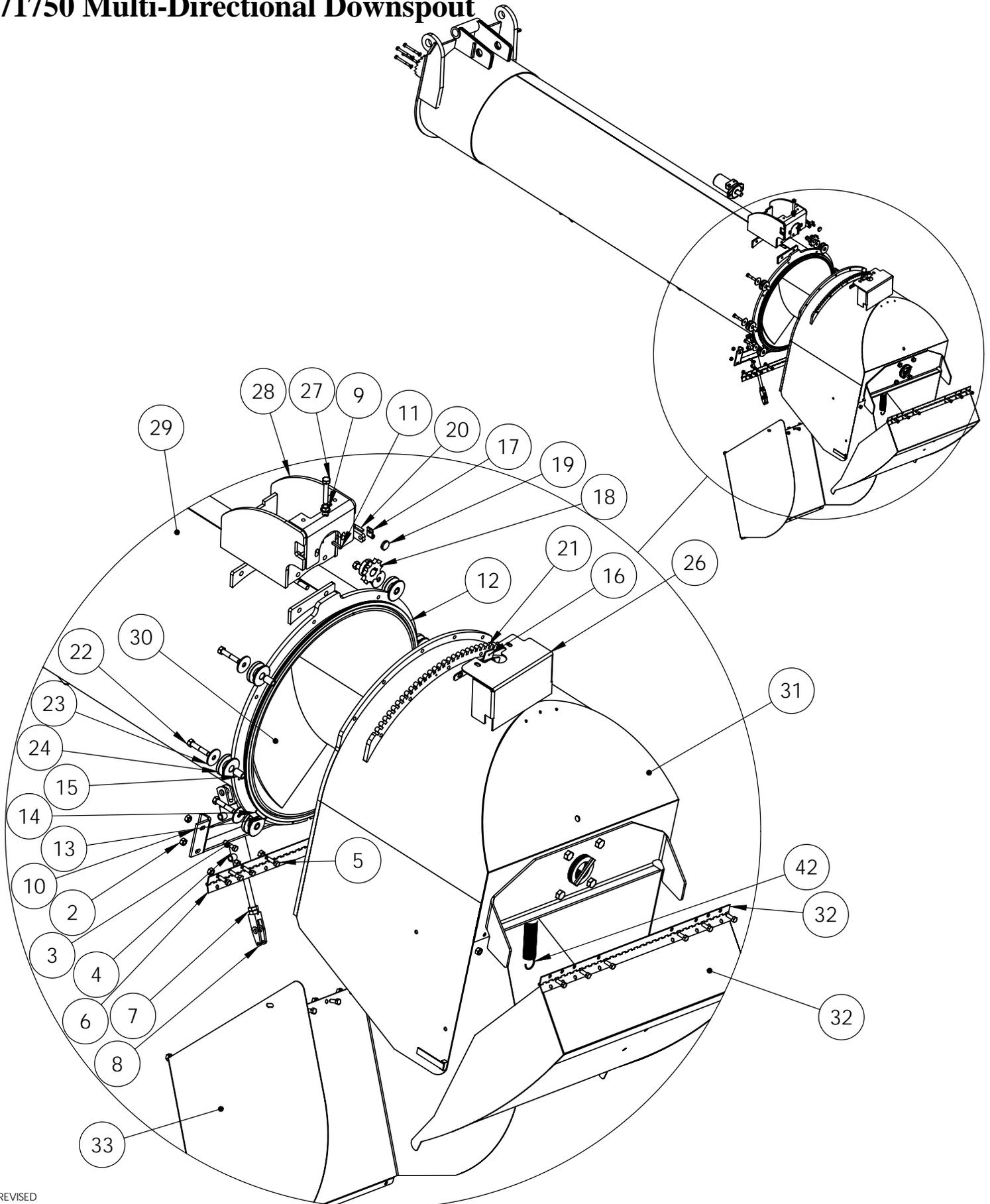


DEGREES OF TRAVEL TO FRONT AND REAR

71750 Multi-Directional Downspout



71750 Multi-Directional Downspout

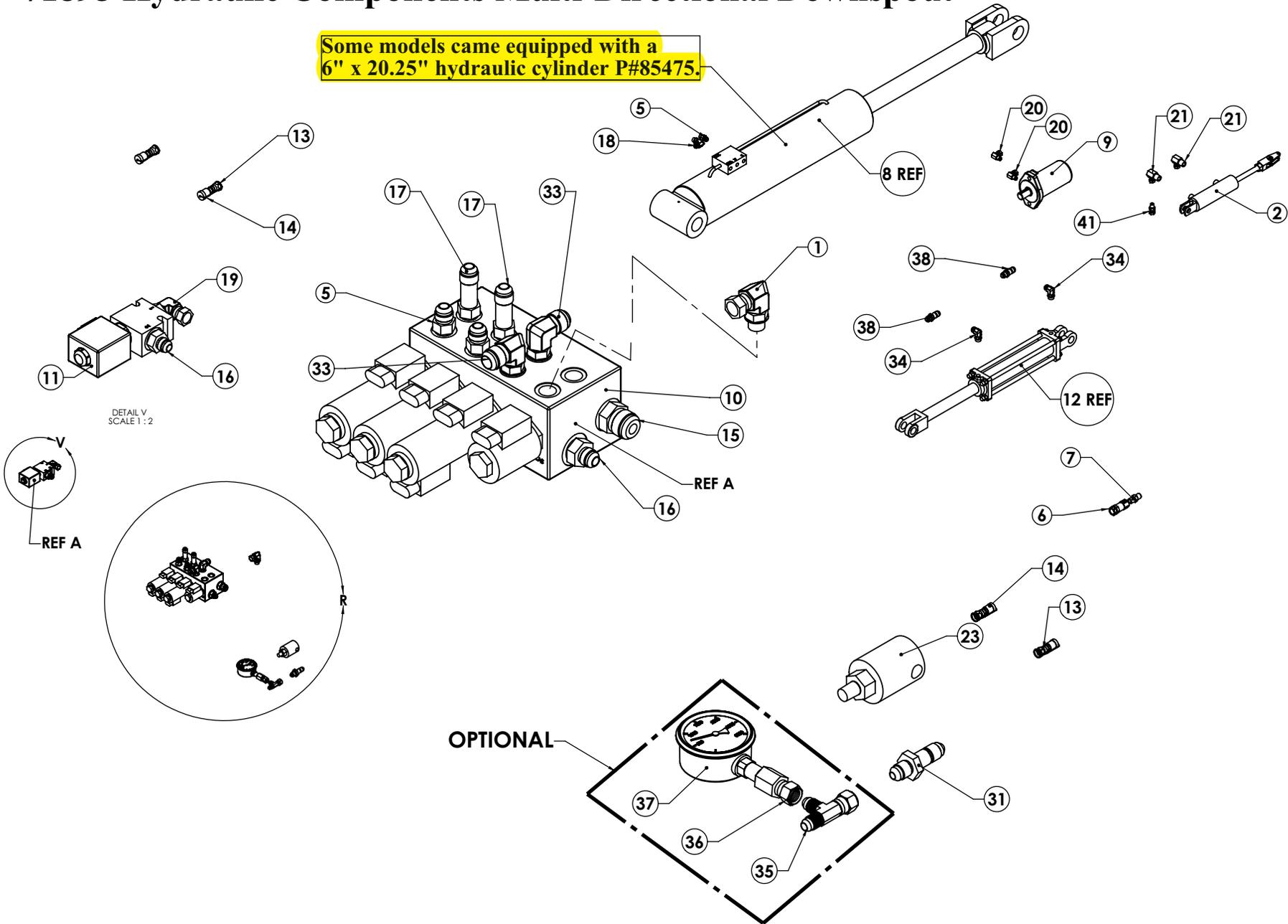


71750 Multi-Directional Downspout

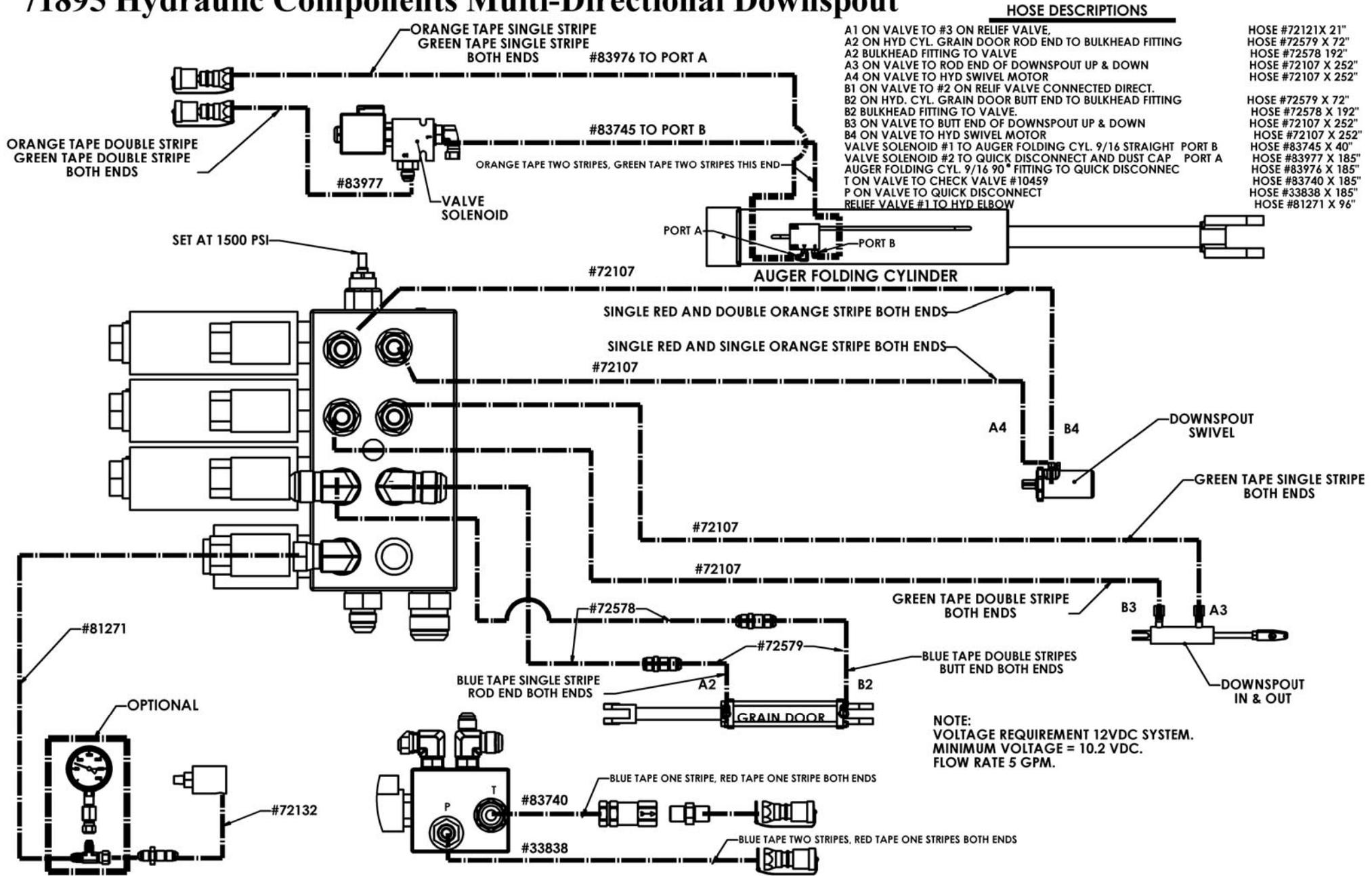
ITEM #	PART #	DESCRIPTION	QTY.
1	1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	12
2	1773	NUT TOPLOCK .37"-16 UNC	22
3	1208	BOLT HEXHEAD .37" x 1.50" - UNC 16 GR5	4
4	41710	HYD CYL 1.50"B X04.00"S X0.75R -WELD 1000PSI	1
5	1207	BOLT HEXHEAD .37" x 1.25" - UNC 16 GR5	6
6	71757	HINGE CONTINUOUS 2" WIDE 1/4" PIN DIA. W/HOLES	1
7	72122	NUT .62-18 JAM HEX	1
8	41709	CLEVIS BRAKE LINKAGE	1
9	2084	NUT WHIZ .50" - 13 UNC	1
10	71860	LUG HYD CYL SWIVEL AUGER	1
11	2352	KEY .25" x .25" x 1.25" LG	1
12	72096	SEAL RUBBER	1
13	72098	RIVET BLIND .18 X .70 LG	1
14	72097	RING GASKET CLAMP	2
15	71709	BUSHING .051IDX0.75ODX1.22LG	6
16	72101	LIMIT SWITCH MAGNET MNT	1
17	72124	CLAMP LOOP 1/4"	1
18	81500	SPROCKET 11T. X 1"	1
19	72125	MAGNET CERAMIC DISC	1
20	72123	PROXIMITY SENSOR W/ FEMALE WEATHER PACK	1
21	71851	GEAR RACK AUGER BOLT ON	1
22	1254	BOLT HEXHEAD .50" x 2.50" - UNC 13 GR5	8
23	71736	WASHER 0.53IDX2.00ODX0.13TH	6
24	71731	SWIVEL GUIDE ROLLER	6
25	12554	HYD MOTOR 17.9 CU IN	1
26	72157	SHIELD TOP SWIVEL AUGER	1
27	2500	BOLT HEXHEAD .50" x 3.00" - UNC 13 GR5 FULL THREAD	1
28	71855	HYD MOTOR MNT SWIVEL AUGER	1
29	83530	AUGER VERT UPPER SWIVEL WELDMENT	1
30	92427	AUGER VERT UPPER 24" FLIGHTING	1
31	71710	AUGER SWIVEL SPOUT WELDMENT	1
32	71740	AUGER SWIVEL CURVED DEFLECTOR	1
33	71865	AUGER SWIVEL TARGETABLE DOWNSPOUT	1
34	91588	ROLL PIN .50" x 3.50" LG	1
35	85095	UPPER VERTICAL AUGER COUPLER	1
36	24178	HOSE, HYD 1/8" x 10 GREASE LINE	1
37	1776	NUT .62 " TOP LOCK	4
38	1602	WASHER FLAT .62"	4
39	1304	BOLT HEXHEAD .62" x 6.50" - UNC 11 GR5	4
40	26871	BEARING PILLOW 2.18"B x 4 BOLT FLG X 5.12 BP	1
41	60984	WORK LIGHT LED	1
42	72586	SPRING EXT 1.25"OD X 10" LG. X .148 DIA. WIRE	1
43	12333	COUPLER PIPE 1/8" NPT	1
44	2291	ZERK .12" -27 NPT -STRAIGHT	1
45	1261	BOLT HEXHEAD .50" x 4.50" - UNC 13 GR5	4
46	1638	LOCK WASHER .50"	4
47	90596	SPRING COMPRESSION .71 ID x 3.5"	4
48	90598	WASHER 2.25IDX 3.50ODX 0.179TH	4

71895 Hydraulic Components Multi-Directional Downspout

Some models came equipped with a 6" x 20.25" hydraulic cylinder P#85475.



71895 Hydraulic Components Multi-Directional Downspout



71895 Hydraulic Components Multi-Directional Downspout

ITEM #	PART #	DESCRIPTION	QTY.
1	21661	HYD ELBOW .56 ORMX.25FS 90 (6901-6-4)	1
2	41710	HYD CYL 1.50"B X04.00"S X0.75R -WELD 1000PSI	1
3	41709	CLEVIS BRAKE LINKAGE	1
4	71977	MAGNET ALNICO 5 SHALLOW (MSC #06572903)	1
5	83979	HYD NIPPLE .56JICX 0.56ORM (6400-6)	3
6	10459	HYD VALVE CHECK .50" NPTFM x .50" NPTFM	1
7	8604	HYD NIPPLE .50NPTMX .50NPTM (5404-8)	1
* 8	91259	HYD CYL 6.00"B x22"S x2.75R -WELD-SOFT LAND 3000PSI	1
9	12554	HYD MOTOR 17.9 CU IN	1
10	72109	HYD VALVE DIRECTIONAL 4 BANK (IC-4380)	1
11	71999	HYD VALVE SOLENOID PARKER #DSL102CD012LWS-A8T	1
12	8226	HYD CYL 2.50" B x10.00"S x1.12R -TIE ROD 2500 PSI	1
13	11023	HYD MISC PIONEER MALE /.50NPTFM (S71-4)	4
14	28392	HYD MISC PIONEER DUST CAP (S49-4)	4
15	83741	HYD NIPPLE .87JICX 0.75ORM (6400-10-8)	1
16	83744	HYD NIPPLE .56JICX 0.75ORM (6400-6-8)	2
17	72106	HYD NIPPLE .56JICX 0.56ORM LONG (6400-6-L)	2
18	37299	HYD ELBOW .56 JICM X.56ORM 90 (6801-6)	1
19	33558	HYD ELBOW .75 ORMX.25FS 90 (6901-8-4)	1
20	21663	HYD ELBOW .25NPTMx .25NPTFMS 90DEG (1501 4-4)	2
21	21201	HYD ELBOW .50NPTMx .25NPTFMS 90DEG (1501 8-4)	2
22	18471	HYD HOSE .25X .25NPTMSX .50NPTMX 336"LG	2
23	71741	HYD ROTATING COUPLER .25" NPT	1
24	83745	HYD HOSE .25X .25NPTMX .56JICFMS 90DEGX 40"LG	1
25	72107	HYD HOSE .25X .25NPTMX .56JICFMS 90DEGX 252"LG	4
26	83976	HYD HOSE .37X .50NPTMX .56JICFMSX 185"LG	1
27	83977	HYD HOSE .37X .50NPTMX .56JICFMS 90DEGX 185"LG	1
28	83740	HYD HOSE .50X .50NPTMX .87JICFMS 90DEG 185"LG	1
29	33838	HYD HOSE .25X .25NPTMX .56JICFMS 90DEGX 185"LG	1
30	81271	HYD HOSE .25X .25NPTMSX .56JICMSX 96"LG.	1
31	72133	HYD BULKHEAD .56JICMX.56JICM (2700-6)	1
32	72132	HYD HOSE .25X .25NPTMX .56JICFMS 45DEGX 15"LG	1
33	72591	HYD ELBOW .75 JICMX.56ORM 90 (6801-8-6)	2
34	72831	HYD ELBOW .75 JICM X.75ORM 90 (6801-8)	2
35	72152	HYD TEE .56JICMX.56JICFMSX.56JICM (6602-6)	1
36	72153	HYD ADAPTOR .25NPTFMX .56JICFMS (6506-6-4)	1
37	8638	GAUGE PRESSURE	1
38	72551	HYD BULKHEAD .75JICMX.75JICM (2700-8)	2
39	72579	HYD HOSE .38X .75JICFMX .75JICFMSX 72"LG	2
40	72578	HYD HOSE .37X .75JICFMX .75JICFMS 90DEGX 192"	2
41	71370	HYD RESTRICTOR .25NPTMx .25NPTFMS .031 (RST1404 4-4-R.031)	1

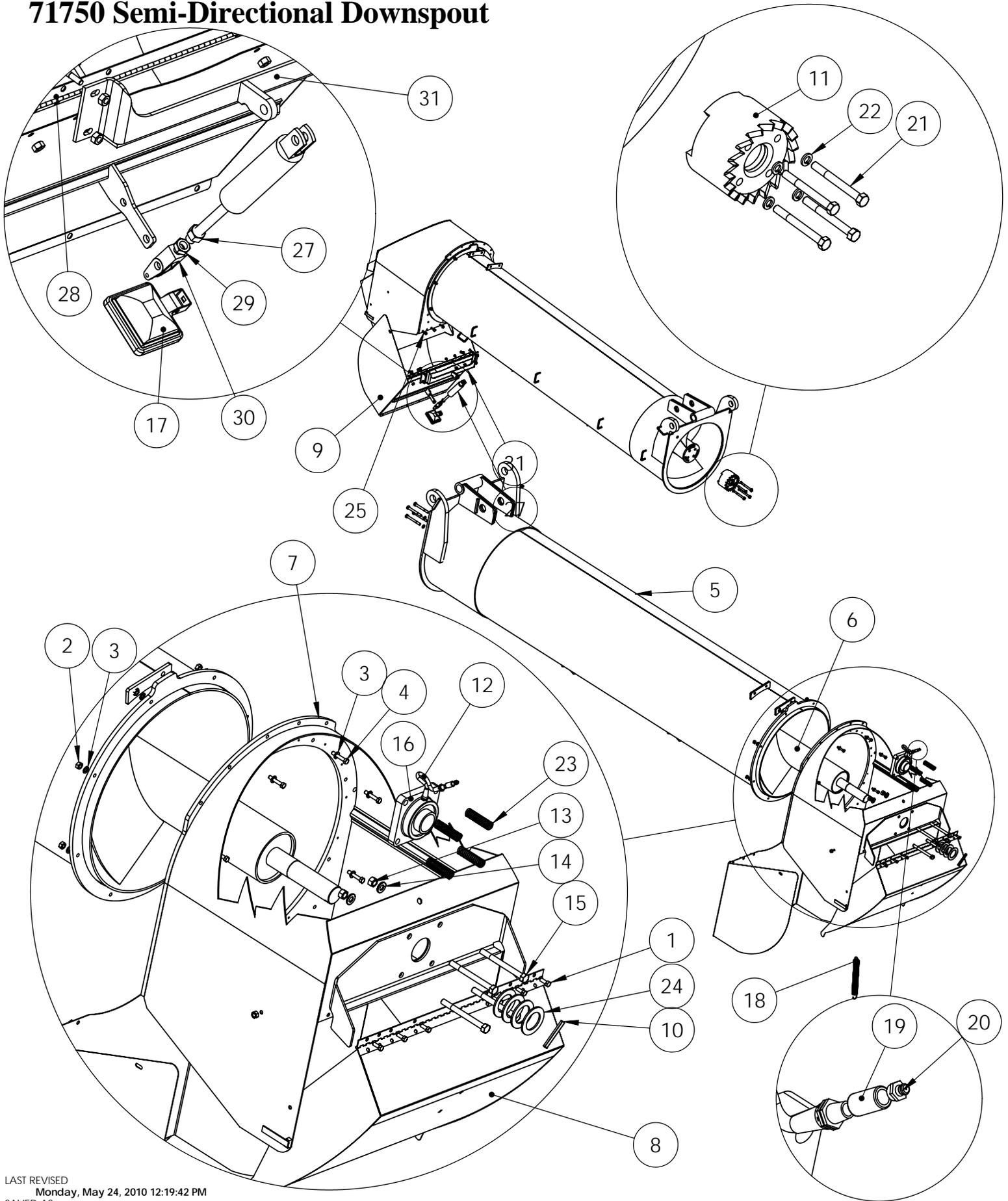
Some models came equipped with a 6" x 20.25" hydraulic cylinder P#85475.

ITEM #	PART #	DESCRIPTION	QTY.
* 8	85475	HYD CYL 6.00"B x20.25"S x2.75R -WELD-SOFT LAND	1

Parts

BALZER_{INC}

71750 Semi-Directional Downspout

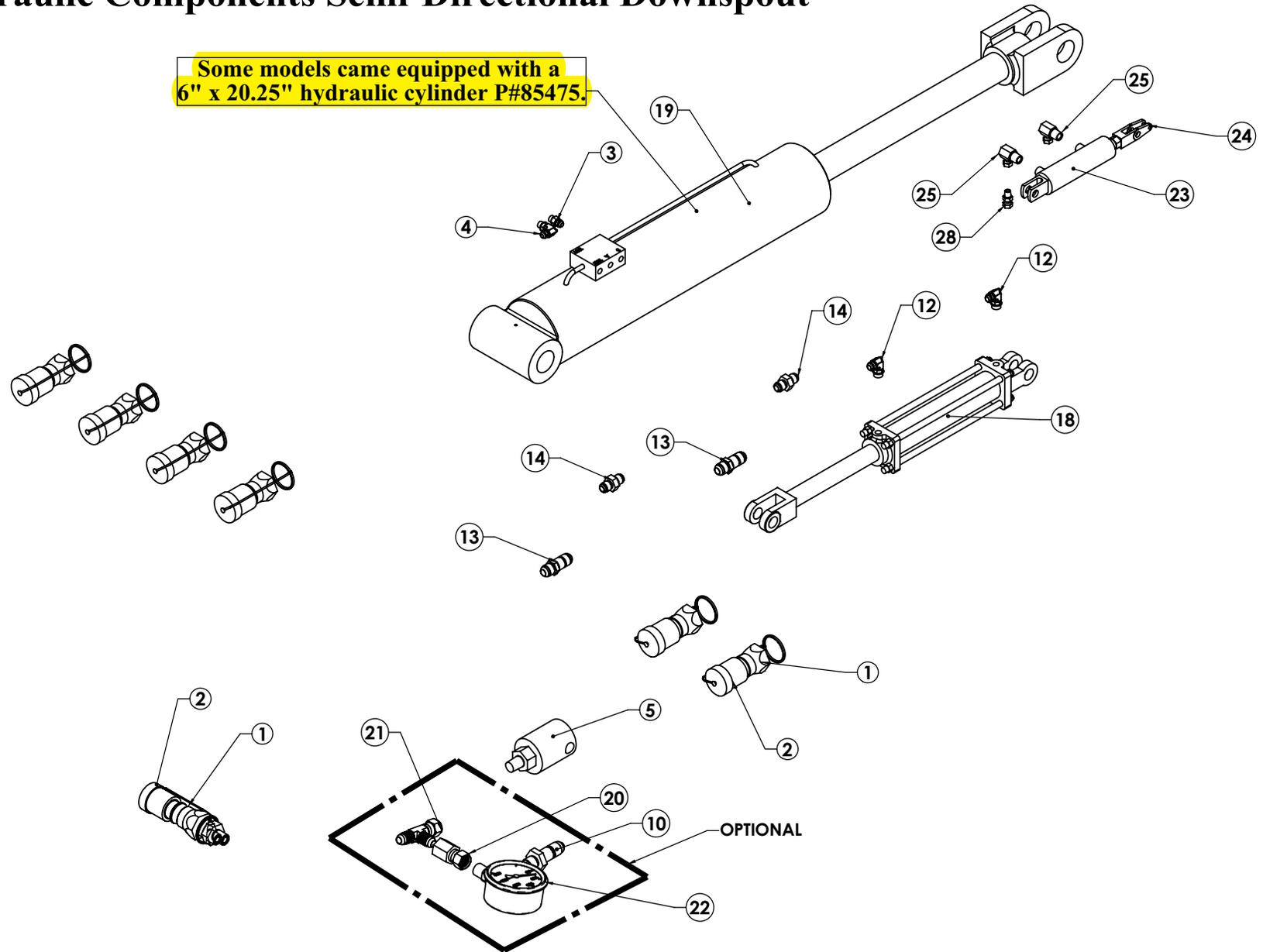


71750 Semi-Directional Downspout

ITEM #	PART #	DESCRIPTION	QTY.
1	1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	12
2	1773	NUT TOPLOCK .37"-16 UNC	29
3	1598	WASHER FLAT .37"	14
4	1210	BOLT HEXHEAD .37" x 2.00" - UNC 16 GR5 Full Thread	7
5	83530	AUGER VERT UPPER SWIVEL WELDMENT	1
6	92427	AUGER VERT UPPER 24" FLIGHTING	1
7	71710	AUGER SWIVEL SPOUT WELDMENT	1
8	71740	AUGER SWIVEL CURVED DEFLECTOR	1
9	71865	AUGER SWIVEL TARGETABLE DOWNSPOUT	1
10	91588	ROLL PIN .50" x 3.50" LG	1
11	85095	UPPER VERTICAL AUGER COUPLER	1
12	24178	HOSE, HYD 1/8" x 10 GREASE LINE	1
13	1776	NUT .62 " TOP LOCK	4
14	1602	WASHER FLAT .62"	4
15	1304	BOLT HEXHEAD .62" x 6.50" - UNC 11 GR5	4
16	26871	BEARING PILLOW 2.18"B x 4 BOLT FLG X 5.12 BP	1
17	60984	WORK LIGHT LED	1
18	72586	SPRING EXT 1.25"OD X 10" LG. X .148 DIA. WIRE	1
19	12333	COUPLER PIPE 1/8" NPT	1
20	2291	ZERK .12" -27 NPT -STRAIGHT	1
21	1261	BOLT HEXHEAD .50" x 4.50" - UNC 13 GR5	4
22	1638	LOCK WASHER .50"	4
23	90596	SPRING COMPRESSION .71 ID x 3.5"	4
24	90598	WASHER 2.25IDX 3.50ODX 0.179TH	4
25	1207	BOLT HEXHEAD .37" x 1.25" - UNC 16 GR5	6
26	1208	BOLT HEXHEAD .37" x 1.50" - UNC 16 GR5	4
27	41710	HYD CYL 1.50"B X04.00"S X0.75R -WELD 1000PSI	1
28	71757	HINGE CONTINUOUS 2" WIDE 1/4" PIN DIA. W/HOLES	1
29	72122	NUT .62-18 JAM HEX	1
30	41709	CLEVIS BRAKE LINKAGE	1
31	71860	LUG HYD CYL SWIVEL AUGER	1

72695 Hydraulic Components Semi-Directional Downspout

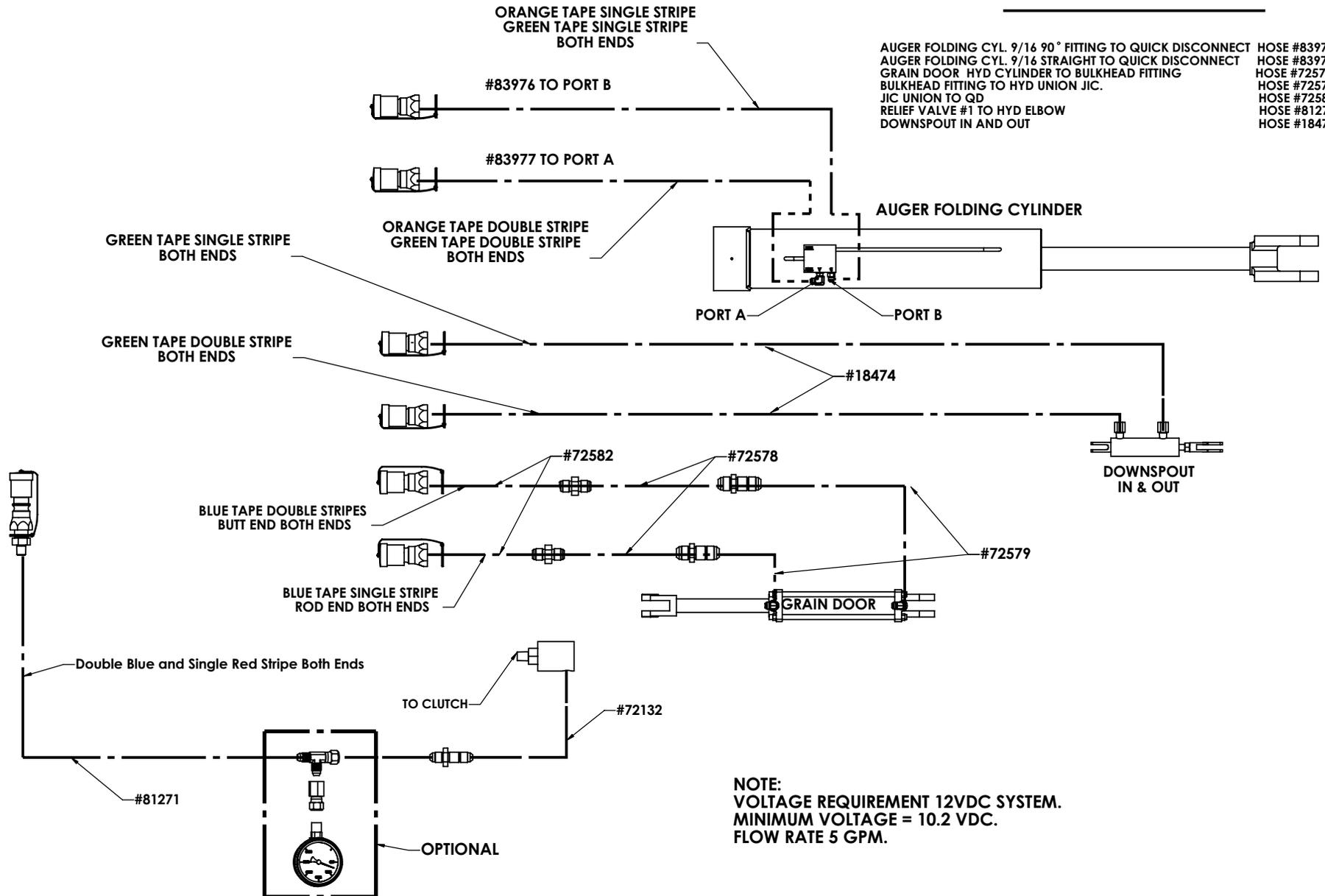
Some models came equipped with a 6" x 20.25" hydraulic cylinder P#85475.



72695 Hydraulic Components Semi-Directional Downspout

HOSE DESCRIPTIONS

- AUGER FOLDING CYL. 9/16 90° FITTING TO QUICK DISCONNECT HOSE #83976 X 185"
- AUGER FOLDING CYL. 9/16 STRAIGHT TO QUICK DISCONNECT HOSE #83977 X 185"
- GRAIN DOOR HYD CYLINDER TO BULKHEAD FITTING HOSE #72579 X 72"
- BULKHEAD FITTING TO HYD UNION JIC. HOSE #72578 X 192"
- JIC UNION TO QD HOSE #72582 X 108"
- RELIEF VALVE #1 TO HYD ELBOW HOSE #81271 X 96"
- DOWNSPOUT IN AND OUT HOSE #18474 X 430"



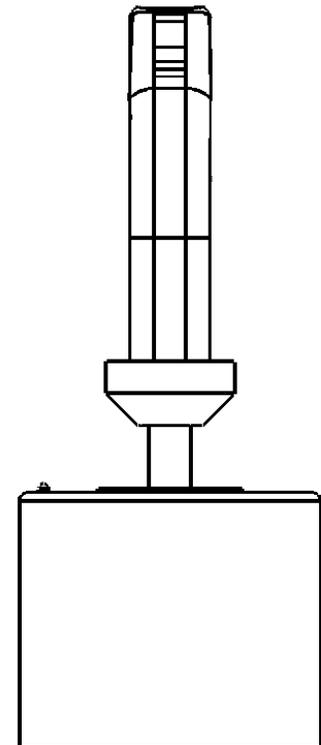
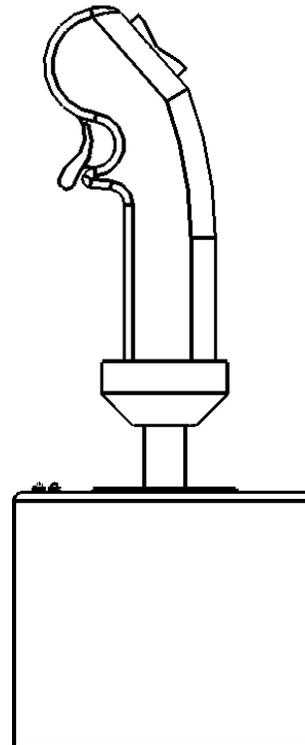
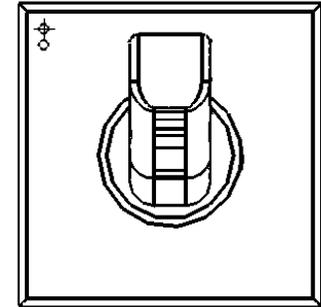
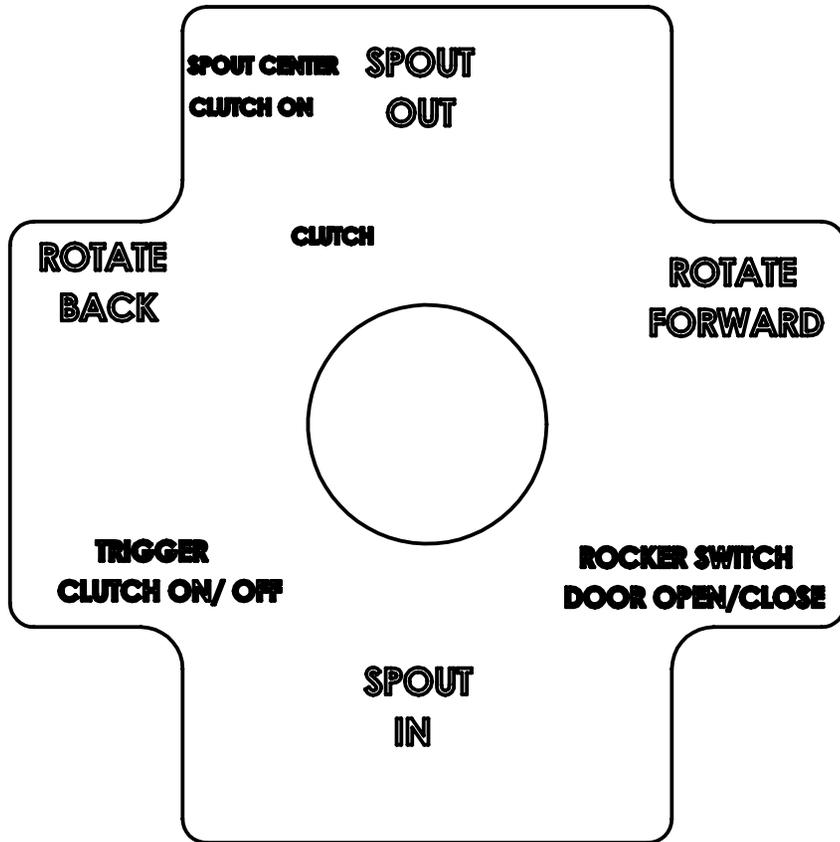
72695 Hydraulic Components Semi-Directional Downspout

ITEM #	PART #	DESCRIPTION	QTY.
1	11023	HYD MISC PIONEER MALE / .50NPTFM (S71-4)	7
2	28392	HYD MISC PIONEER DUST CAP (S49-4)	7
3	83979	HYD NIPPLE .56JICX 0.56ORM (6400-6)	1
4	37299	HYD ELBOW .56 JICM X.56ORM 90 (6801-6)	1
5	71741	HYD ROTATING COUPLER .25" NPT	1
6	18471	HYD HOSE .25X .25NPTMSX .50NPTMX 336"LG	1
7	83976	HYD HOSE .37X .50NPTMX .56JICFMSX 185"LG	1
8	83977	HYD HOSE .37X .50NPTMX .56JICFMS 90DEGX 185"LG	1
9	81271	HYD HOSE .25X .25NPTMSX .56JICMSX 96"LG.	1
10	72133	HYD BULKHEAD .56JICMX.56JICM (2700-6)	1
11	72132	HYD HOSE .25X .25NPTMX .56JICFMS 45DEGX 15"LG	1
12	72831	HYD ELBOW .75 JICM X.75ORM 90 (6801-8)	2
13	72551	HYD BULKHEAD .75JICMX.75JICM (2700-8)	2
14	72552	HYD UNION .75JICMX.75JICM (2403-8)	2
15	72579	HYD HOSE .38X .75JICFMX .75JICFMSX 72"LG	2
16	72578	HYD HOSE .37X .75JICFMX .75JICFMS 90DEGX 192"	2
17	72582	HYD HOSE .38X .50NPTMX .75JICFMX 108"LG	2
18	8226	HYD CYL 2.50" B x10.00"S x1.12R -TIE ROD 2500 PSI	1
*	19	91259 HYD CYL 6.00"B x22"S x2.75R -WELD-SOFT LAND 3000PSI	1
20	72153	HYD ADAPTOR .25NPTFMX .56JICFMS (6506-6-4)	1
21	72152	HYD TEE .56JICMX.56JICFMSX.56JICM (6602-6)	1
22	8638	GAUGE PRESSURE	1
23	41710	HYD CYL 1.50"B X04.00"S X0.75R -WELD 1000PSI	1
24	41709	CLEVIS BRAKE LINKAGE	1
25	21201	HYD ELBOW .50NPTMx .25NPTFMS 90DEG (1501 8-4)	2
26	18474	HYD HOSE .25X .25NPTMSX .50NPTMX 430"LG	1
27	21177	HYD NIPPLE .50NPTMX .25NPTM (5404-8-4)	1
28	71370	HYD RESTRICTOR .25NPTMx .25NPTFMS .031 (RST1404 4-4-R.031)	1

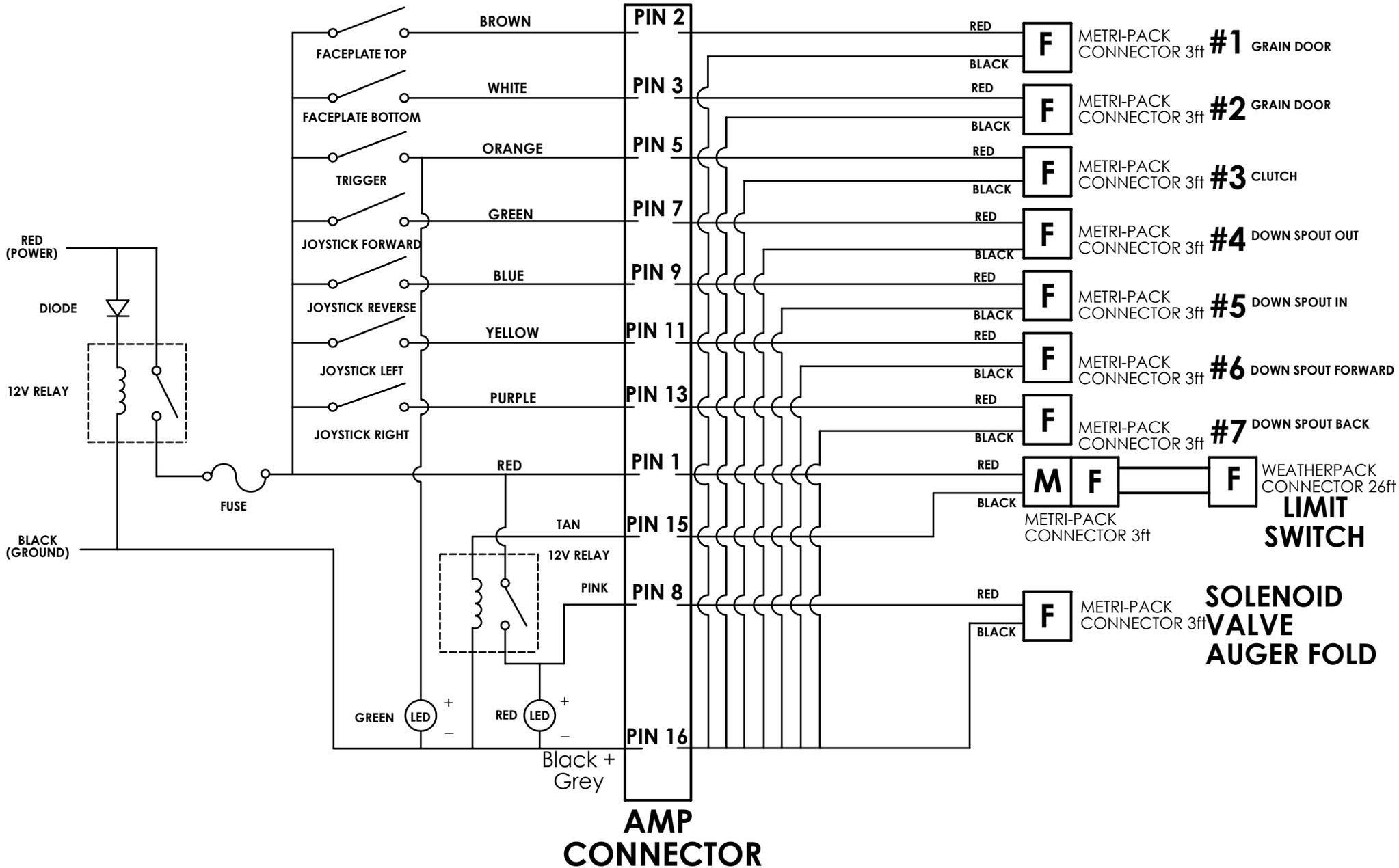
Some models came equipped with a 6" x 20.25" hydraulic cylinder P#85475.

ITEM #	PART #	DESCRIPTION	QTY.
*	19	85475 HYD CYL 6.00"B x20.25"S x2.75R -WELD-SOFT LAND	1

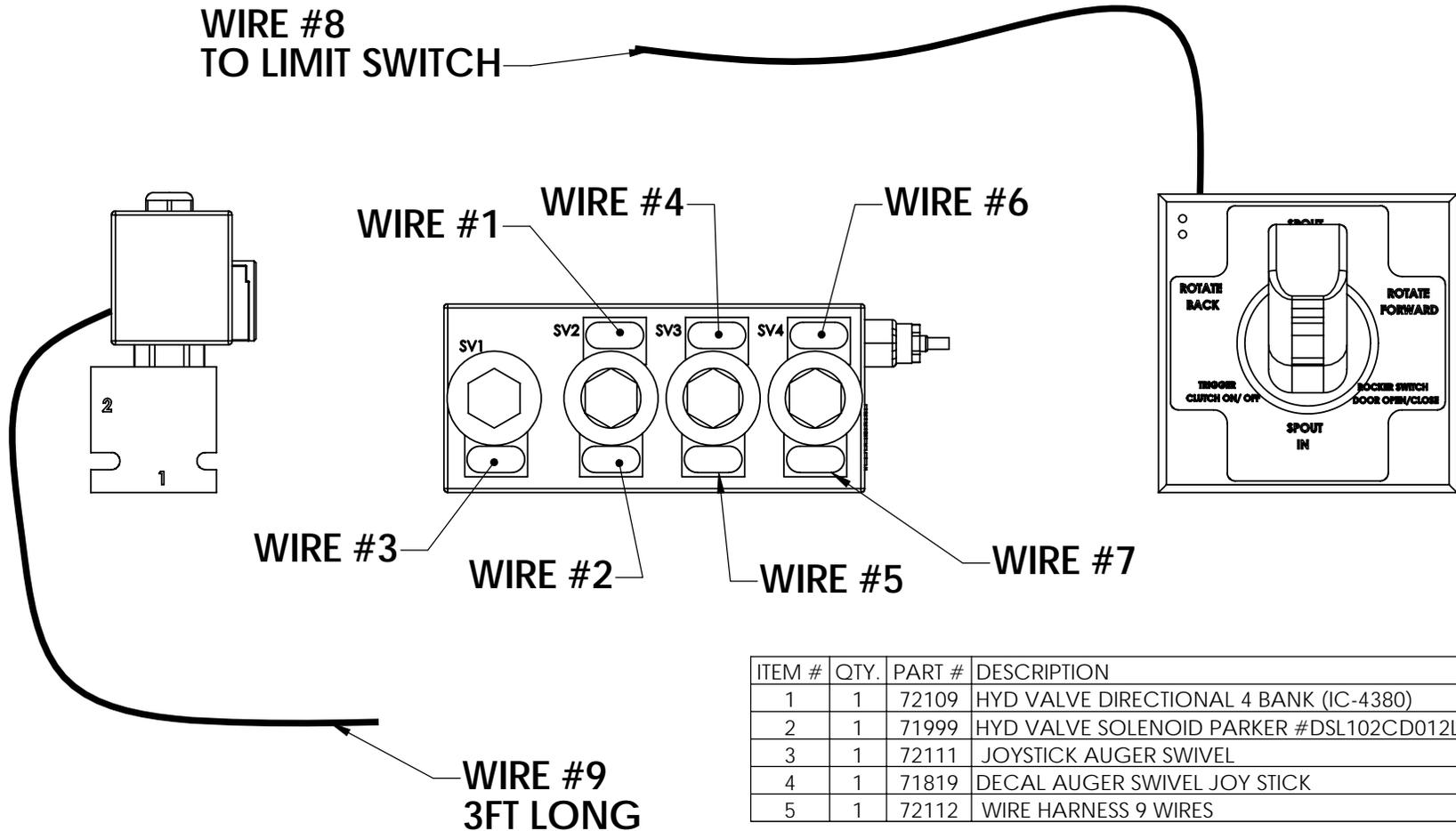
72111 Joystick Controller for Multi-Directional Downspout



Electrical Schematic for Multi-Directional Downspout With Joystick Control



Multi-Directional Downspout Valve Package Wiring Diagram



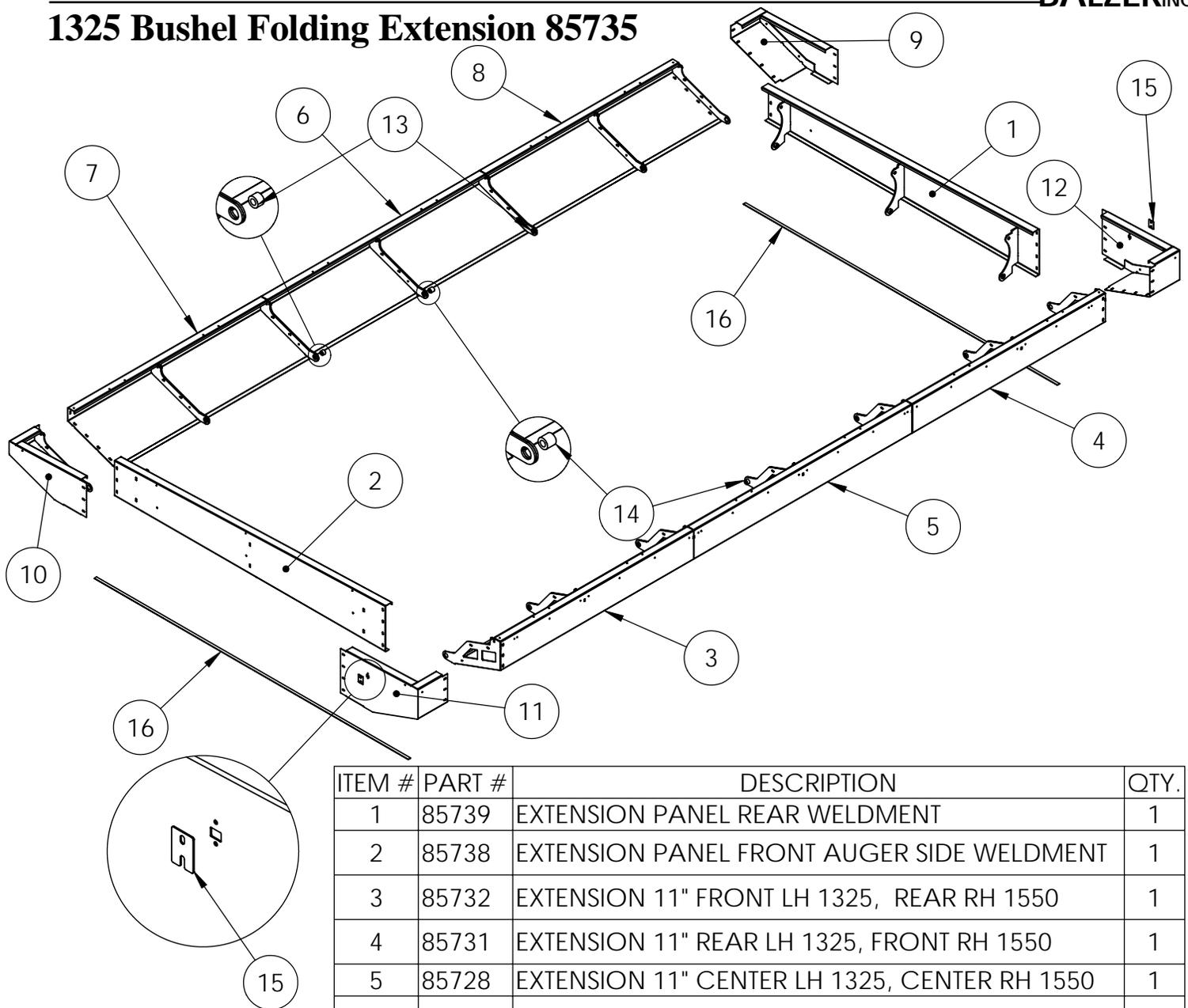
FOR TEMPORARY BY-PASS TO ALLOW UPPER AUGER TO BE MOVED IF LIMIT SWITCH BECOMES MIS ALIGNED. PLUG WIRE # 9 AND WIRE #3 TOGETHER TO BYPASS, THEN UPPER AUGER CAN BE MOVED.

NOTE: VOLTAGE REQUIREMENTS 10 VOLTS MIN.

Parts

BALZER_{INC}

1325 Bushel Folding Extension 85735



ITEM #	PART #	DESCRIPTION	QTY.
1	85739	EXTENSION PANEL REAR WELDMENT	1
2	85738	EXTENSION PANEL FRONT AUGER SIDE WELDMENT	1
3	85732	EXTENSION 11" FRONT LH 1325, REAR RH 1550	1
4	85731	EXTENSION 11" REAR LH 1325, FRONT RH 1550	1
5	85728	EXTENSION 11" CENTER LH 1325, CENTER RH 1550	1
6	85730	EXTENSION 5" CENTER RH 1325, CENTER LH 1550	1
7	85745	EXTENSION 5" FRONT RH 1325 REAR LH 1550	1
8	85744	EXTENSION 5" REAR RH 1325 FRONT LH 1550	1
9	85736	CORNER WELD REAR RH 1325 2010	1
10	85737	CORNER WELD FRONT RH 1325 2010	1
11	85741	CORNER WELD FRONT LH 1325 2010	1
12	85740	CORNER WELD REAR LH 1325 2010	1
13	85765	BUSHING - PIVOT 1.5" OD x .344" WALL 1.0" LONG	14
14	85766	BUSHING - PIVOT 1.5" OD x .344" WALL 1.37" LONG	2
15	72752	COVER WORK LIGHT GRAIN CART EXTENSIONS	2
16	85075A	GASKET 1" x 3/8" x 11' 5" LONG	2

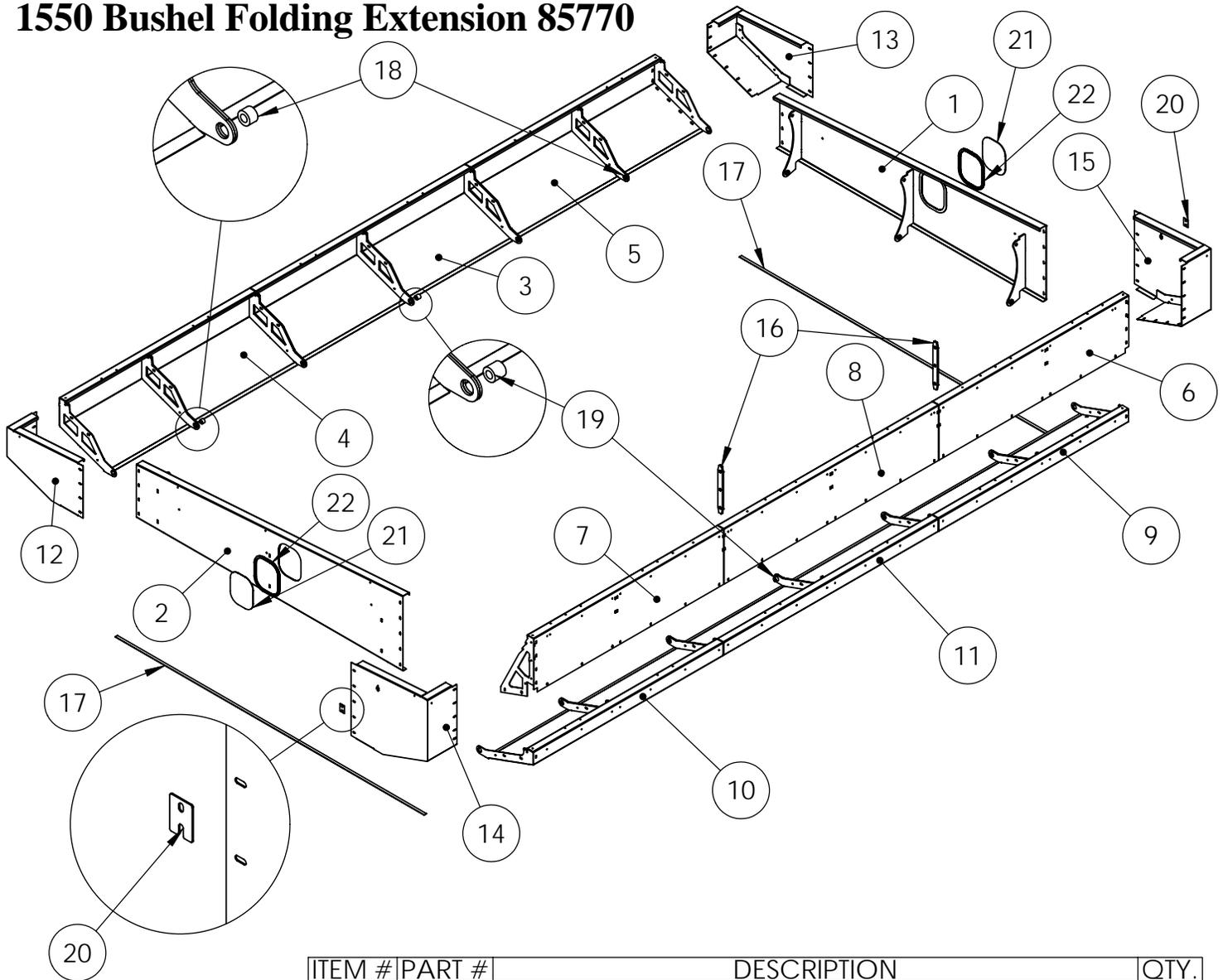
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Parts

BALZER_{INC}

1550 Bushel Folding Extension 85770



ITEM #	PART #	DESCRIPTION	QTY.
1	85779	EXTENSION PANEL REAR WELDMENT 1550 2010	1
2	85778	EXTENSION PANEL FRONT WELDMENT 1550 2010	1
3	85728	EXTENSION 11" CENTER LH 1325, CENTER RH 1550	1
4	85731	EXTENSION 11" REAR LH 1325, FRONT RH 1550	1
5	85732	EXTENSION 11" FRONT LH 1325, REAR RH 1550	1
6	85771	EXTENSION PANEL REAR LH 1550 FRONT RH 2000	1
7	85772	EXTENSION PANEL FRONT LH 1550 REAR RH 2000	1
8	85785	EXTENSION PANEL CENTER LH 1550, RH 2000	1
9	85745	EXTENSION 5" FRONT RH 1325 REAR LH 1550	1
10	85744	EXTENSION 5" REAR RH 1325 FRONT LH 1550	1
11	85730	EXTENSION 5" CENTER RH 1325, CENTER LH 1550	1
12	85776	CORNER WELD FRONT RH 1550 2010	1
13	85777	CORNER WELD REAR RH 1550 2010	1
14	85790	CORNER WELD FRONT LH 1550 2010	1
15	85791	CORNER WELD REAR LH 1550 2010	1
16	85793	EXTENSION PLATE 1/2" FILLER	2
17	85075	GASKET 1" x 3/8" x 25' LONG	2
18	85765	BUSHING - PIVOT 1.5" OD x .344" WALL 1.0" LONG	14
19	85766	BUSHING - PIVOT 1.5" OD x .344" WALL 1.37" LONG	2
20	72752	COVER WORK LIGHT GRAIN CART EXTENSIONS	2
21	90318	WINDOW IN GRAIN CART	2
22	90739	RUBBER SEAL - WEATHERSTRIP	2

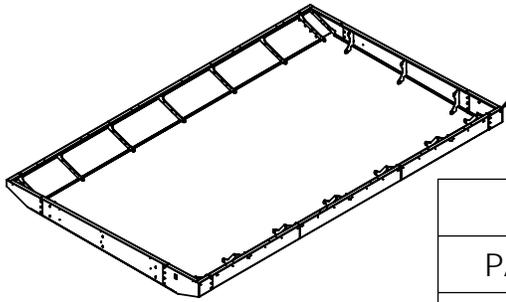
LAST REVISED

Tuesday, May 18, 2010 10:51:35 AM

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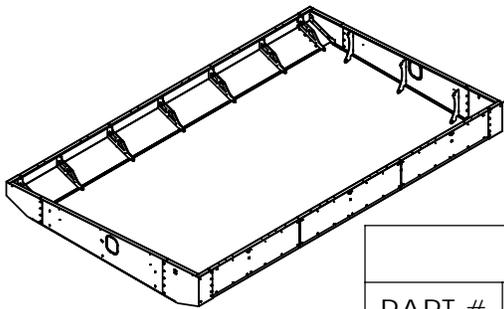
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Folding Extension Hardware Totals



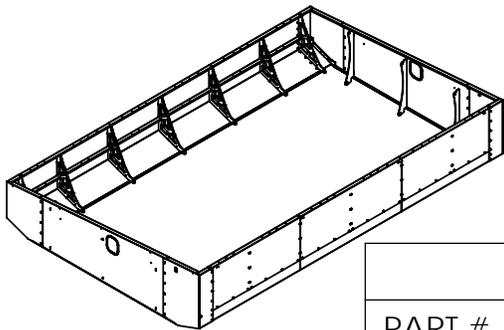
PART # 85735

1325 Bushel Extension Hardware Totals		
PART #	DESCRIPTION	QTY.
1598	WASHER FLAT .37"	38
1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	38
2082	NUT WHIZ .37" - 16 UNC	38



PART # 85770

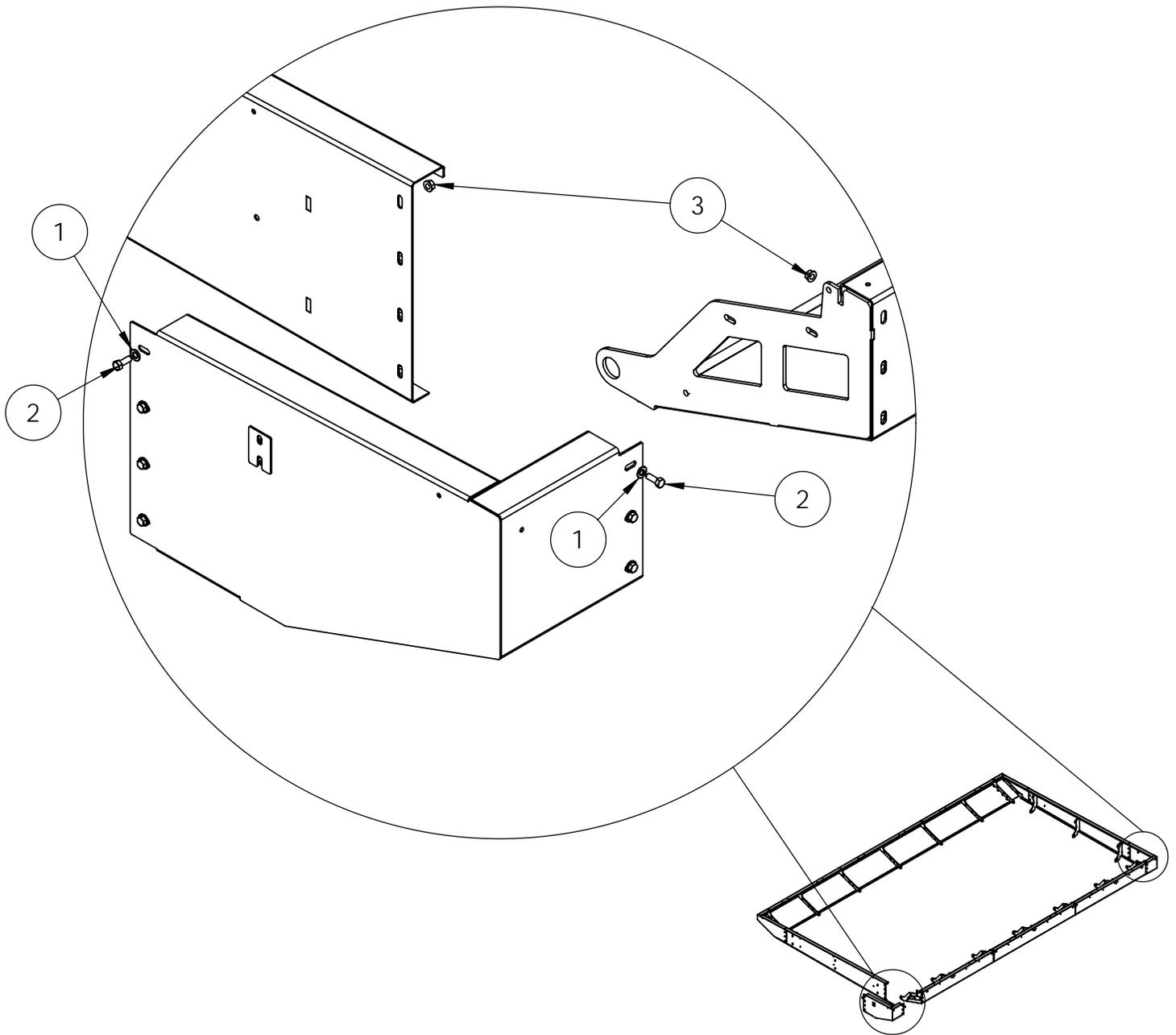
1550 Bushel Extension Hardware Totals		
PART #	DESCRIPTION	QTY.
1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	50
2082	NUT WHIZ .37" - 16 UNC	50
1598	WASHER FLAT .37"	50



PART # 85800

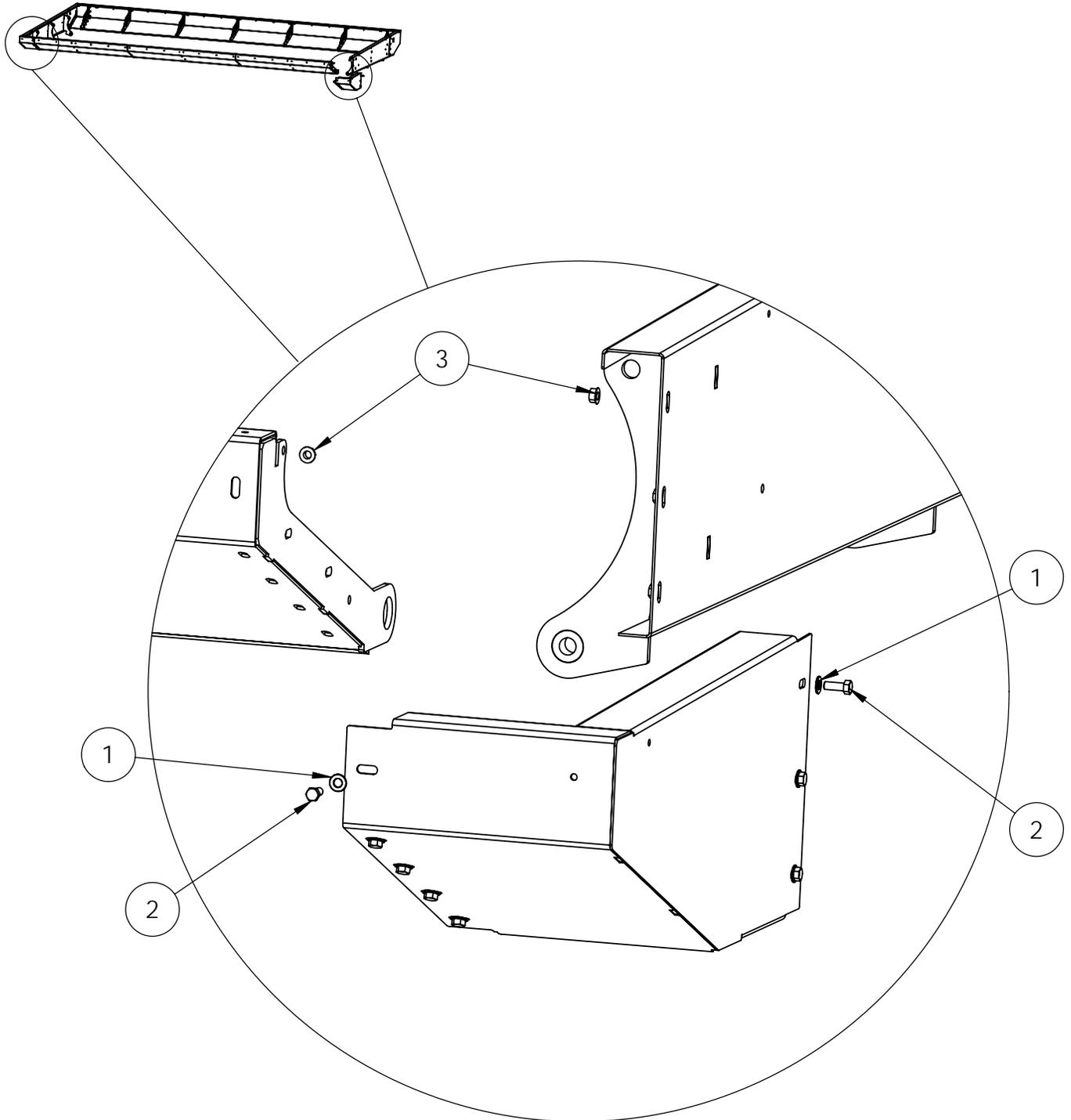
2000 Bushel Extension Hardware Totals		
PART #	DESCRIPTION	QTY.
1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	66
2082	NUT WHIZ .37" - 16 UNC	66
1598	WASHER FLAT .37"	66

Folding Extension Hardware Locations



ITEM #	PART #	DESCRIPTION	QTY.
1	1598	WASHER FLAT .37"	38
2	1206	BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5	38
3	2082	NUT WHIZ .37" - 16 UNC	38

Folding Extension Hardware Locations Continued



Hardware Torque Specifications

	SAE J429 Grade 5	SAE J429 Grade 8
	Course Thread	Course Thread
Thread Size	Tightening Torque	Tightening Torque
1/4" - 20	75 in-lbs	107 in-lbs
5/16" - 18	157 in-lbs	220 in-lbs
3/8" - 16	23 ft/lbs	32.5 ft/lbs
7/16" - 14	37 ft/lbs	53 ft/lbs
1/2" - 13	57 ft/lbs	80 ft/lbs
9/16" - 12	82 ft/lbs	115 ft/lbs
5/8" - 11	113 ft/lbs	159 ft/lbs
3/4" - 10	200 ft/lbs	282 ft/lbs
7/8" - 9	321 ft/lbs	454 ft/lbs
1" - 8	482.5 ft/lbs	680 ft/lbs

	SAE J429 Grade 5	SAE J429 Grade 8
	Fine Thread	Fine Thread
Thread Size	Tightening Torque	Tightening Torque
1/4" - 28	85 in-lbs	120 in-lbs
5/16" - 24	173 in-lbs	245 in-lbs
3/8" - 24	26 ft/lbs	37 ft/lbs
7/16" - 20	42 ft/lbs	59 ft/lbs
1/2" - 20	64 ft/lbs	90 ft/lbs
9/16" - 18	92 ft/lbs	129 ft/lbs
5/8" - 18	128 ft/lbs	180 ft/lbs
3/4" - 16	223 ft/lbs	315 ft/lbs
7/8" - 14	355 ft/lbs	500 ft/lbs
1" - 12	528 ft/lbs	745 ft/lbs



IT IS THE POLICY OF BALZER COMPANY TO CONSTANTLY IMPROVE IT'S PRODUCTS WHENEVER IT IS PRACTICAL TO DO SO. THEREFORE BALZER COMPANY RESERVES THE RIGHT TO REDESIGN OR CHANGE IT'S EQUIPMENT OR COMPONENT PARTS THEREOF WITHOUT INCURRING THE OBLIGATION TO INSTALL OR FURNISH SUCH CHANGES ON EPUIPMENT PREVIOUSLY DELIVERED.

INSTRUCTIONS FOR ORDERING PARTS

To enable our customer service department to provide you with the correct replacement parts promptly and accurately, follow the ordering instructions as listed below.

Identify your equipment by serial number whenever possible.

Use part numbers and descriptions from the illustration drawings furnished to assist in identifying the needed parts.

Owners, order all parts through your local dealer.

Dealers must indicate company name, shipping point and mailing address for notification if different from shipping point. State whether freight, express, parcel or other handling is desired.

Send all parts to:

Balzer Inc.
County Road 27 East
PO Box 458
Mountain Lake, MN 56159



INSTRUSTIONS FOR RETURNING PARTS FOR ADJUSTMENT

Dealers should inspect all parts when received. Shortages or damage should be noted by the carrier agent at the time the parts are accepted. Shippers responsibility ceases upon delivery of shipment to customer in good order. Claims for damage, loss, or malfunction are to be reported within thirty (30) days for warranty considerations.

All returned parts must have return authorization, a copy of the original packing list and transportation prepaid.

For replacement parts contact:

Ken Classen	Extension 104
Doug Wellman	Extension 108

For Service contact:

Dave Bennett	Extension 134
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Phone Number:	(800) 795-8551
	(800) 727-3133
Main:	(507) 427-3133
Fax Number:	(507) 427-3640
Website:	http://www.balzerinc.com