

PARMA[®]

Model 2100 SERIES BEET HARVESTER PARTS CATALOG

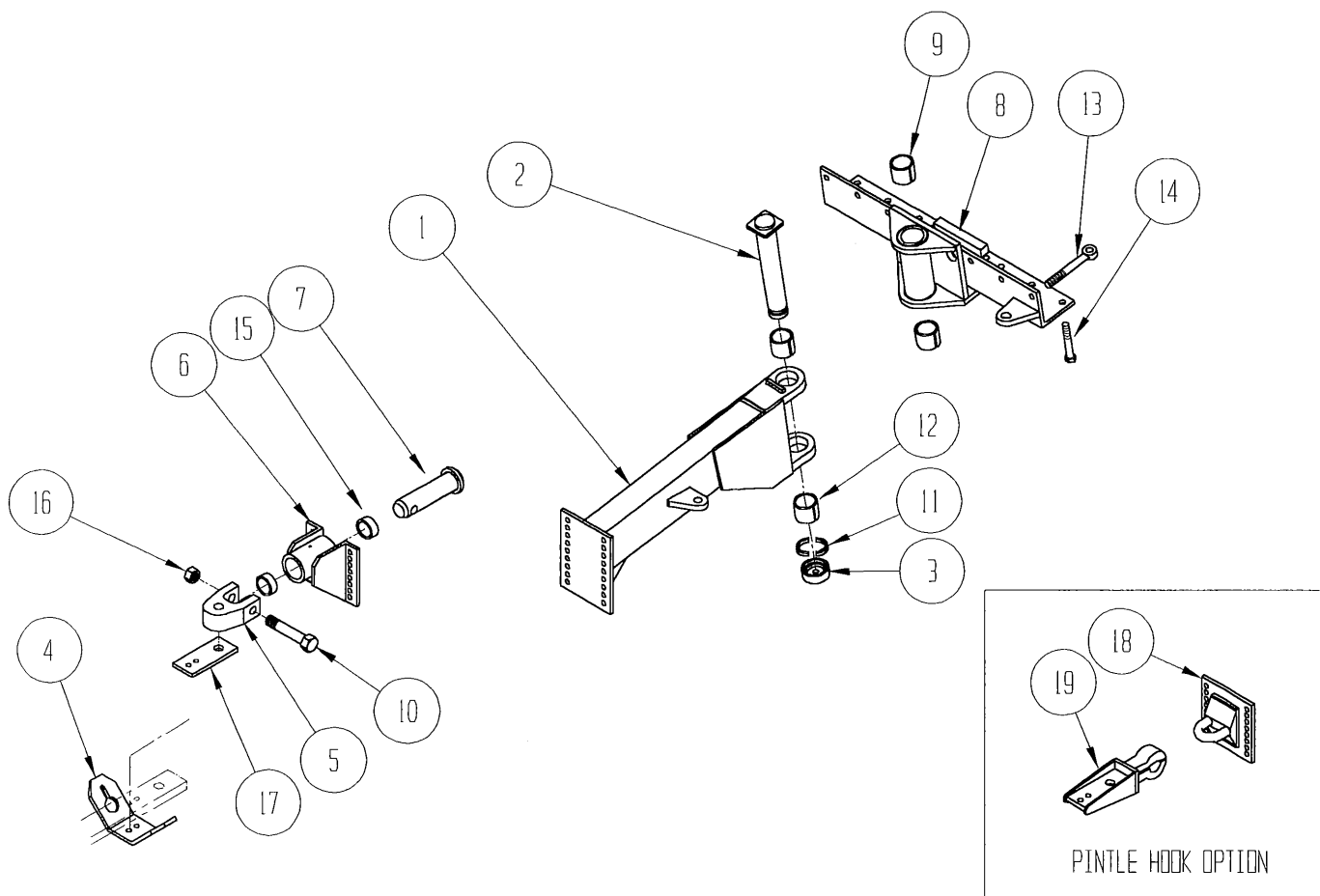
Manual Number 040803-2100

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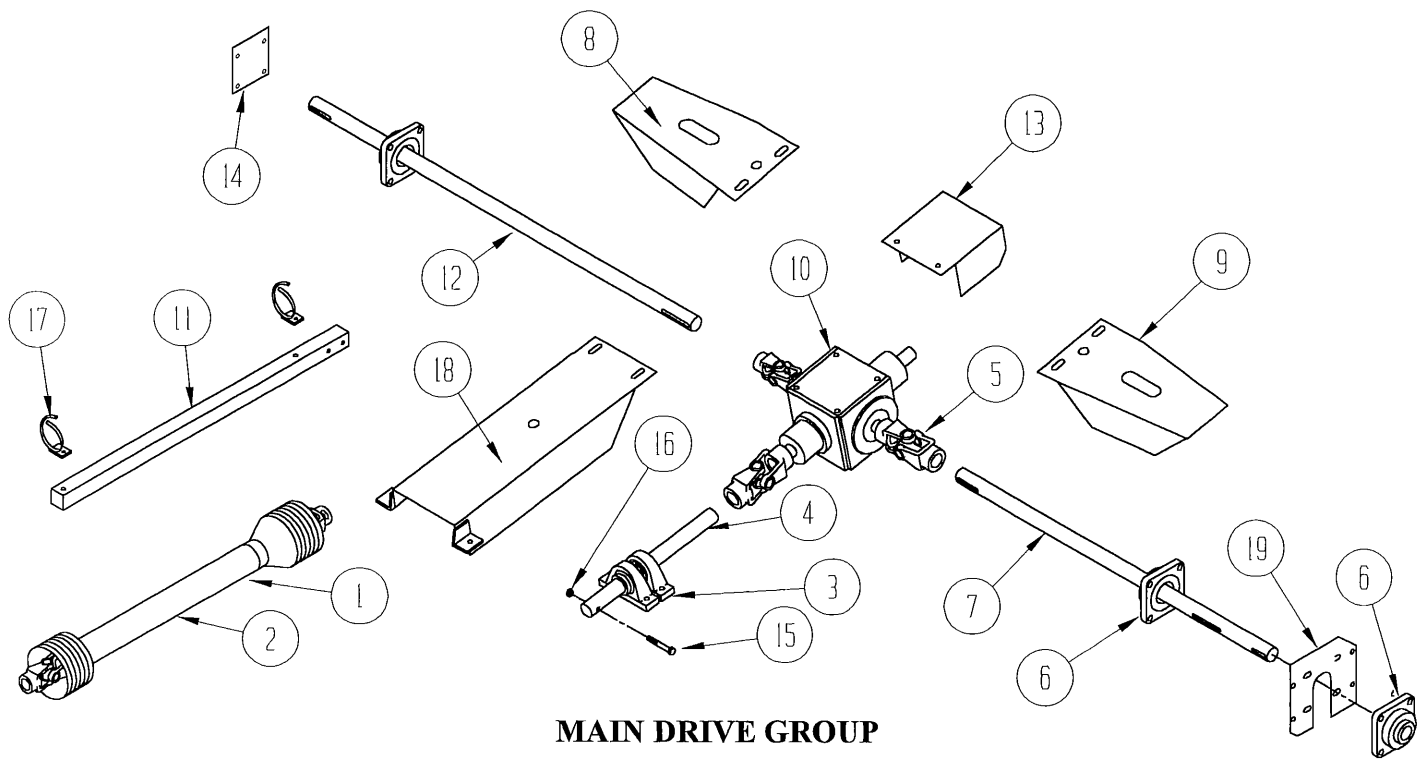
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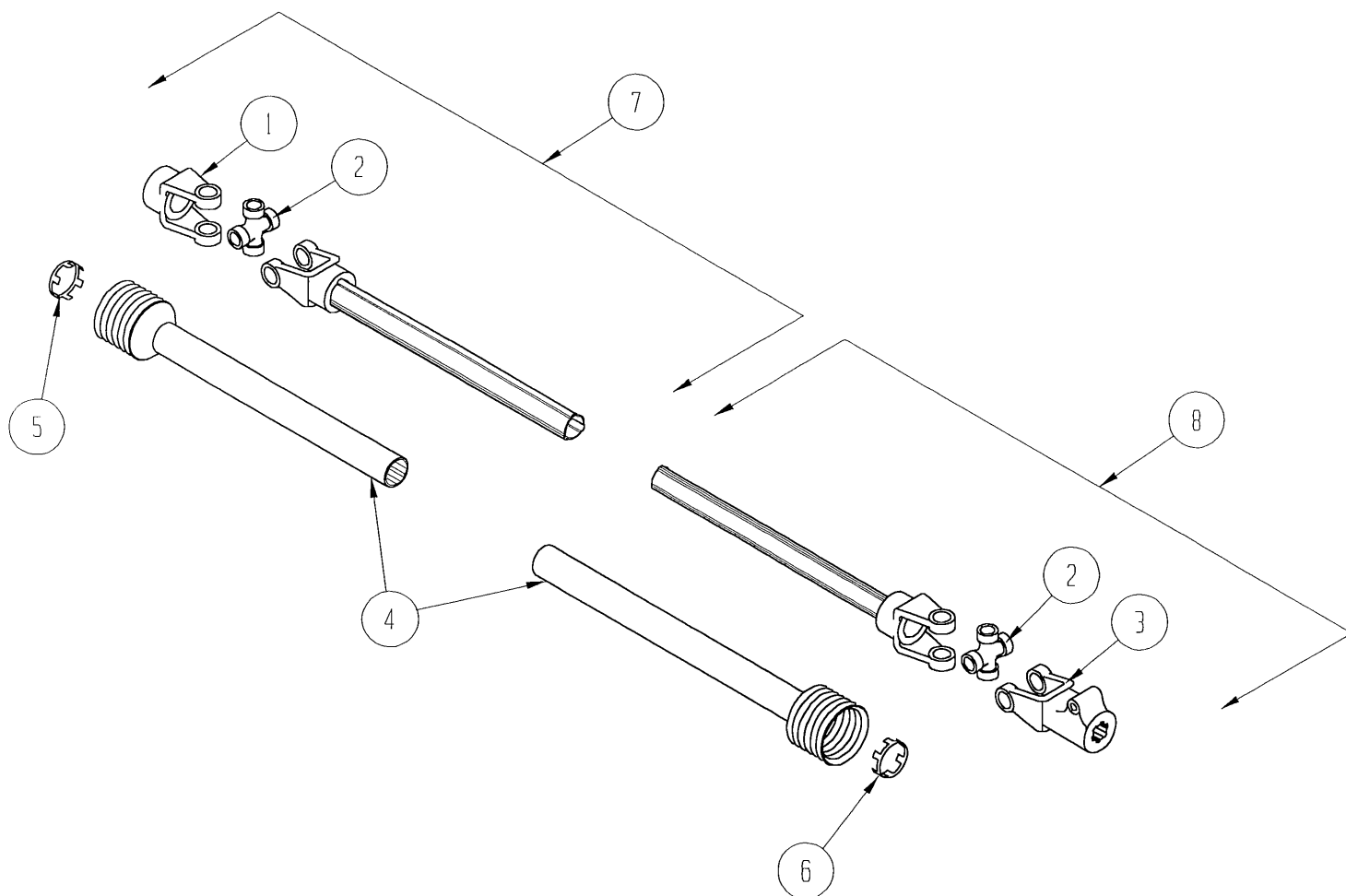
TONGUE ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	265562	Tongue (Less Bushing)
2	1	264458	Tongue Pin
3	1	264518	End Cap
4	1	264659	Draw Bar Support
5	1	264745	Hitch Clevis
6	1	264413	Tongue Pivot w/Bushings
7	1	264451	Pivot Pin
8	2	265565	Tongue Mounting w/ Bushings
9	2	264467	Bushing
10	1	264573	Hitch Clevis Bolt
11	1	264519	Split Collar
12	2	264469	Bushing
13	6	997903	Eye Bolt 3/4-10 x 6"
14	6	-----	Hex Cap Screw 3/4-10 x 6
15	2	264468	Bushing
16	1	-----	Hex Lock Nut, 1 1/8-7 UNC
17	1	264658	Spacer Plate
18	1	264570	Ring Hitch
19	1	990329	Pintle Hitch



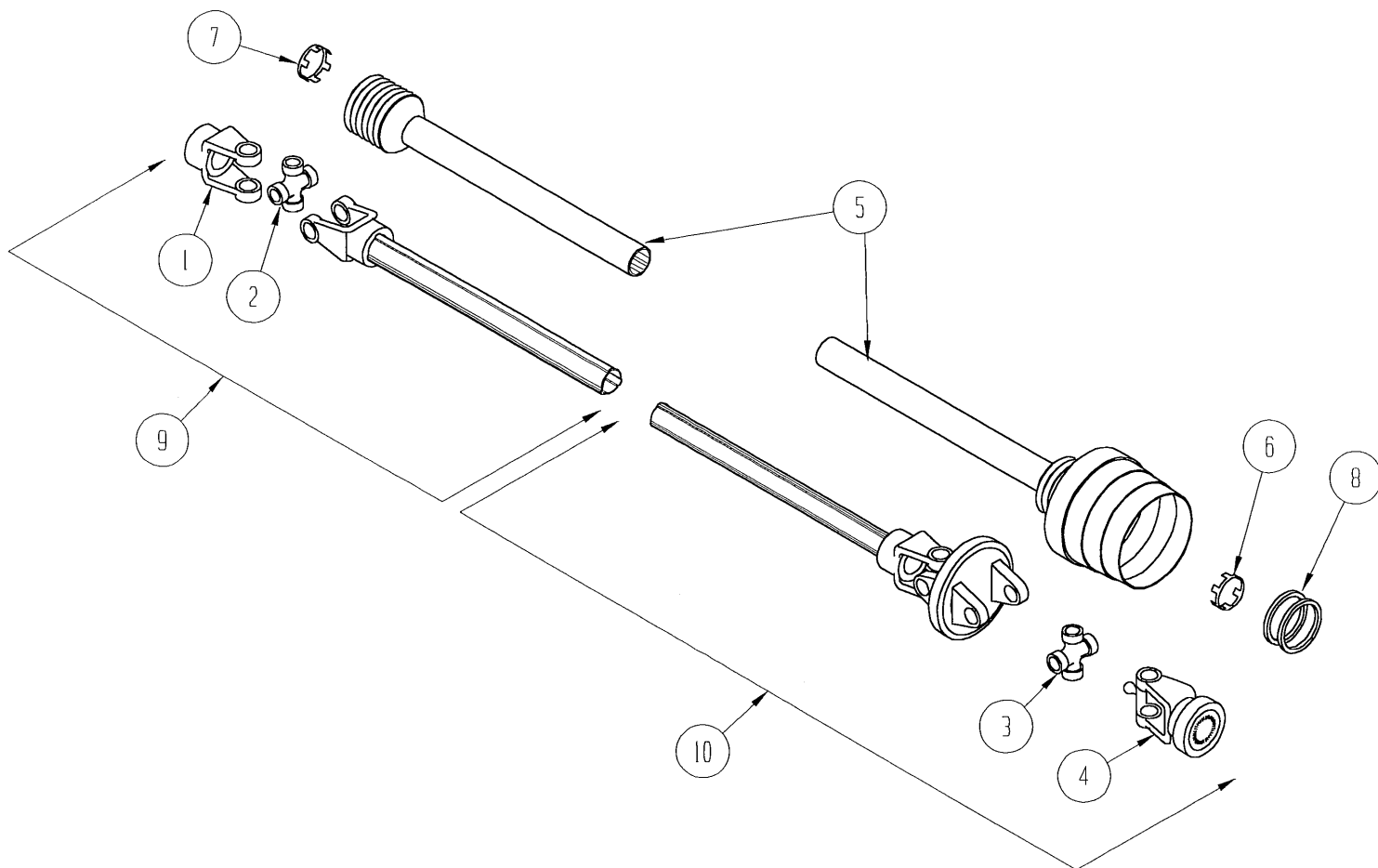
MAIN DRIVE GROUP

ITEM NO.	QTY	PART NO. 2160	PART NO. 2180	DESCRIPTION
1	1	991040	991040	PTO Drive Line Asm 1 3/8-21
	1	991041	991041	PTO Drive Line Asm 1 3/4-20 (Bondioli, See Breakdown Pg.3)
2	1	991042	991042	C.V. PTO Drive Line 1 3/8-21
	1	991043	991043	C.V. PTO Drive Line 1 3/4-20 (Bondioli, See Breakdown Pg.4)
3	2	980028		Pillow Block Bearing, 1 3/4"
	1		980028	Pillow Block Bearing, 1 3/4"
4	1	265430	265430	PTO Drive Shaft
5	3	990672	991074	U-Joint Assy. (Next 4 Items)
	3	990653	991009	Cross & Bearing Kit
	6	990613		Yoke, 1 3/4 Round Bore
	3		991039	Yoke, 1 3/4 Round Bore
	3		991063	Yoke, 1 3/4-6 Splined
6	3	980822		Bearing, 4-Bolt Flange 1 3/4"
	4		980822	Bearing, 4-Bolt Flange 1 3/4"
7	1	265432	265872	Cross Drive Shaft, (LH)
8	1	230077	230077	U-Joint Cover, LH
9	1	230078	230078	U-Joint Cover, RH
10	1	266212	267171	Gear Box 2:1 (2160), 1.93:1 (2180)
11	1	266556	266556	Hose Holder
12	1	265431	265872	Cross Drive Shaft, RH
13	1	266368	-----	Cover, Gear Box Shaft
14	1	266343	-----	Bearing Plate Cover
15	1			Hex Cap Screw, 5/16 x 3 1/2, GRD 5
16	1			Lock Nut, 5/16
17	2	265953	265953	Hose Ring
18	1	266382	267133	PTO Shield
19	1	267100	267100	Bearing Plate



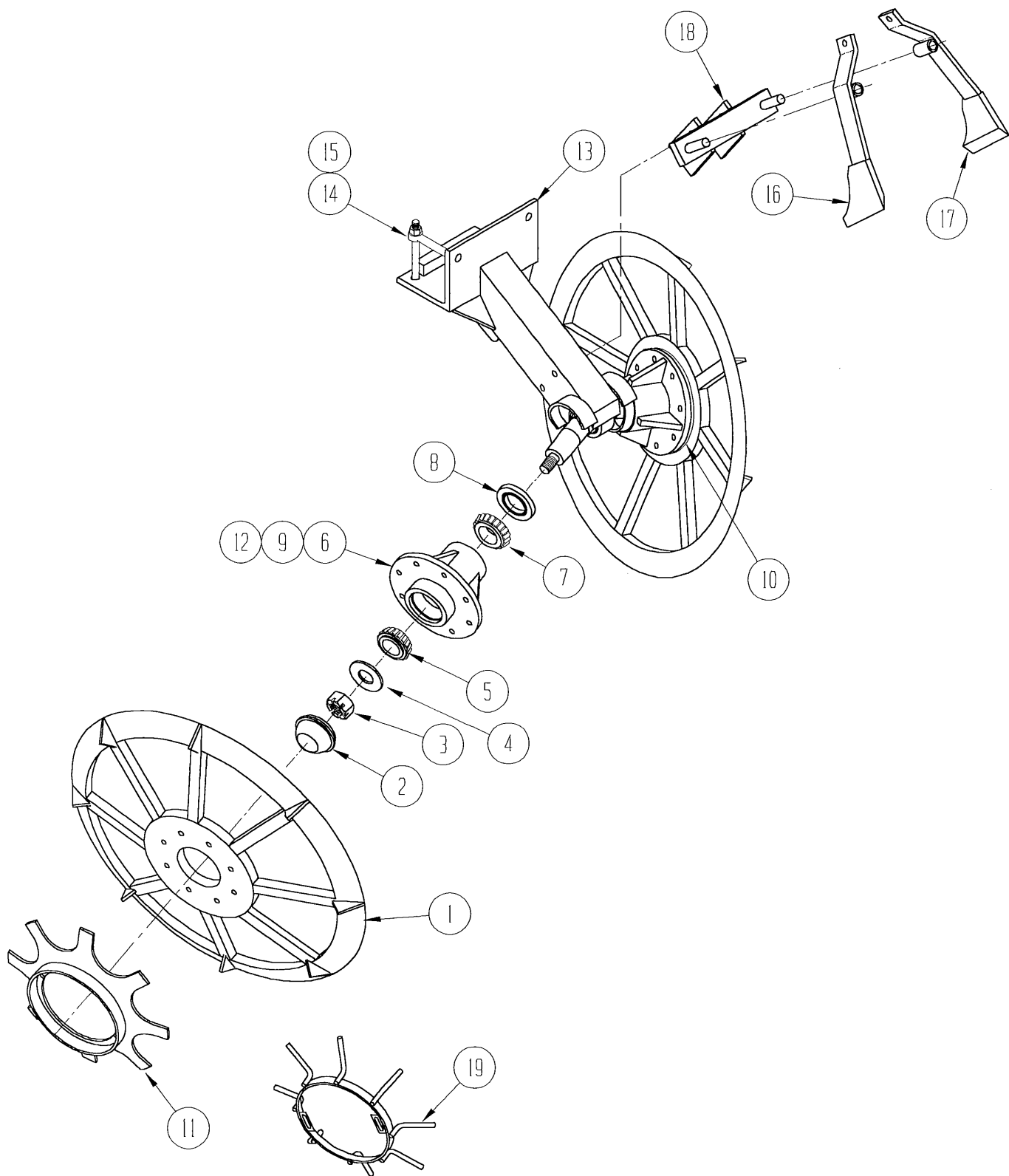
PTO DRIVE LINE ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	991039	Round Bore Yoke 1 3/4-3/8 KW
2	2	991009	Cross & Bearing Kit
3	1	991012	Q.D. Yoke, 1 3/8-21 Spline
		991013	Q.D. Yoke, 1 3/4-20 Spline
4	1	991082	Drive Line Shield Assembly
5	1	991038	Bearing retainer, Inner Shield
6	1	991037	Bearing retainer, Outer Shield
7	1	991081	Drive Line Implement Half w/ Shield, 1 3/4"
8	1	991079	Drive Line Tractor Half w/ Shield, 1 3/4-20
	1	991080	Drive Line Tractor Half w/ Shield, 1 3/8-21



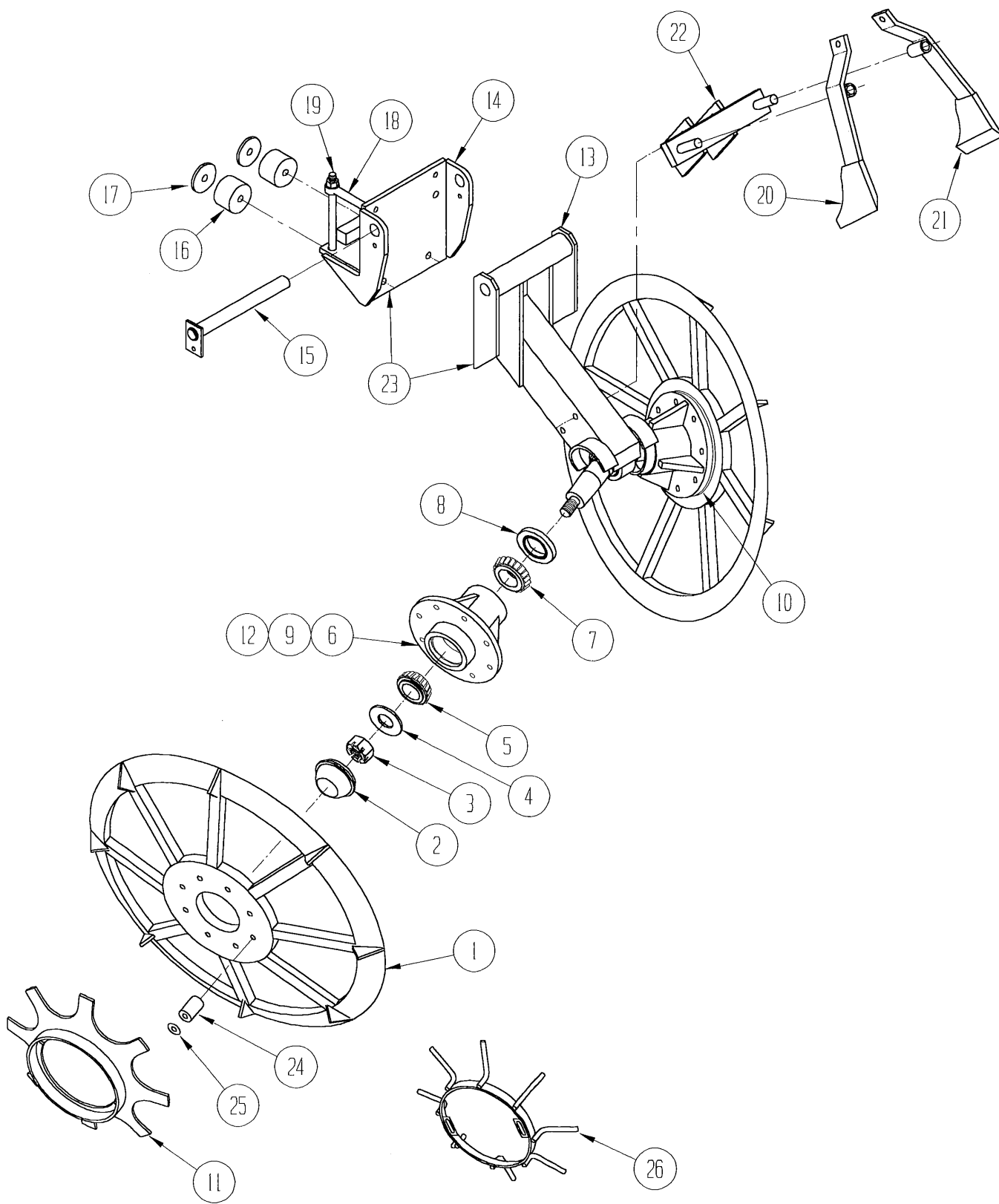
CONSTANT VELOCITY DRIVE LINE ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	991039	Yoke, 1 3/4- 3/8 KW
2	1	991009	Cross & Bearing Kit
3	1	991029	Cross & Bearing Kit
4	1	991027	QD Yoke, 1 3/8-21 Spline
	1	991028	QD Yoke, 1 3/4-20 Spline
5	1	991078	Drive Line Shield Assembly
6	1	991037	Bearing Retainer, Outer Shield
7	1	991038	Bearing Retainer, Inner Shield
8	2	991036	CV Cone Retainer
9	1	991075	Drive Line Implement Half w/ Shield, 1 3/4"
10	1	991076	Drive Line Tractor Half w/ Shield, 1 3/4-20
	1	991077	Drive Line Tractor Half w/ Shield, 1 3/8-21



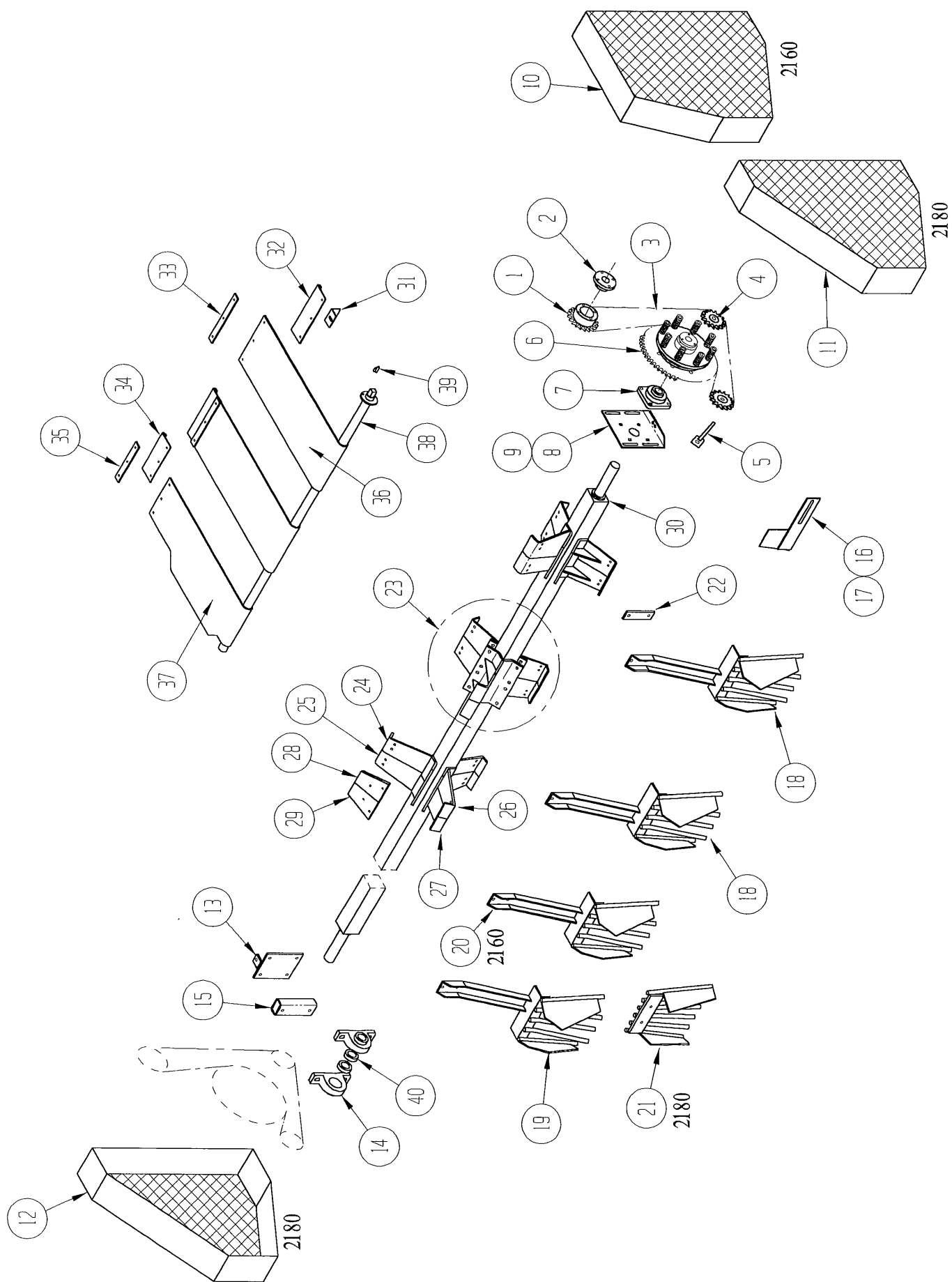
LIFTER WHEEL STANDARD STRUT ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	2	999880	Lifter Wheel, Mud Rim Style
2	2	999865	Dust Cap
3	2	999002	Slotted Nut 1 1/4-12 UNF
4	2	998139	1 1/4 Flat Washer
5	2	990017	Bearing Cone (Outer)
6	2	999834	Hub Assembly (Includes Items #9 & #12)
7	2	990014	Bearing Cone (Inner)
8	2	999837	Seal
9	2	990015	Bearing Cup (Inner)
10	4	999836	Spacer Single Half
11	2	264614	Filler Spoke
12	2	990016	Bearing Cup (Outer)
13	1	266431	Lifter Wheel Strut & Spindle
	1	999841	Replacement Spindle (Weld in)
14	2	997904	5/8 x 6 Eye Bolt
15	2	-----	Hex Bolt 5/8-11 UNC x 6 1/2
16	1	267045	Scraper Arm, LH
17	1	267044	Scraper Arm, RH
18	2	266974	Scraper Mounting
19	2	265947	Wheel Filler



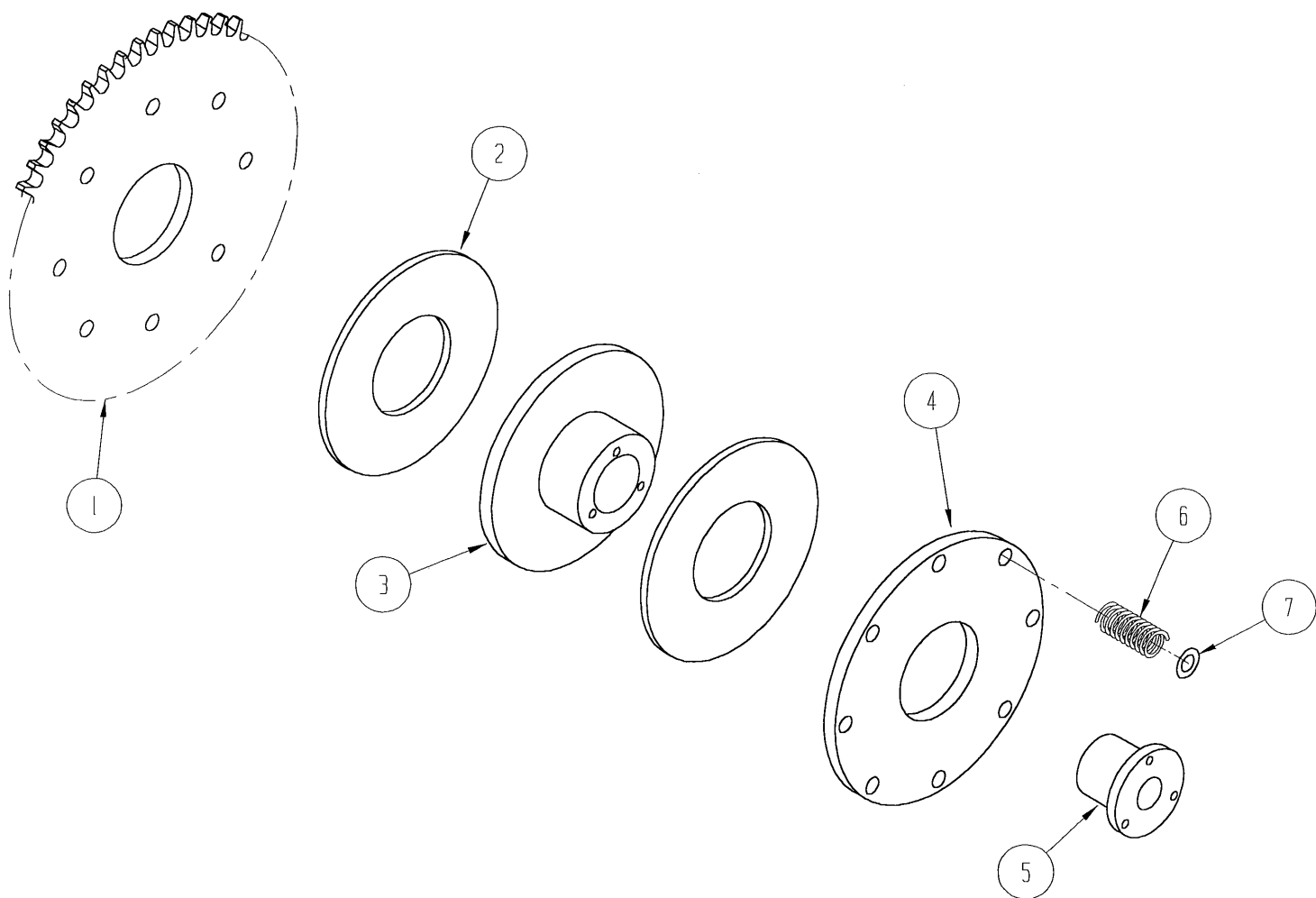
LIFTER WHEEL ROCK STRUT ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	2	999880	Lifter Wheel, Mud Rim Style
2	2	999865	Dust Cap
3	2	999002	Slotted Nut 1 1/4-12 UNF
4	2	998139	1 1/4 Flat Washer
5	2	990017	Bearing Cone (Outer)
6	2	999834	Hub Assembly (Includes Items #9 & #12)
7	2	990014	Bearing Cone (Inner)
8	2	999837	Seal
9	2	990015	Bearing Cup (Inner)
10	4	999836	Spacer Single Half
11	2	264614	Filler Spoke
12	2	990016	Bearing Cup (Outer)
13	1	266432	Lifter Wheel Strut & Spindle
	1	999841	Replacement Spindle (Weld in)
14	1	266424	Mounting Weldment
15	1	266430	Pivot Pin
16	2	265134	Spring Cushion
17	2	265135	Spring Washer
18	2	997904	5/8 x 6 Eye Bolt
19	2	-----	Hex Bolt 5/8-11 UNC x 6 1/2
20	1	267045	Scraper Arm, LH
21	1	267044	Scraper Arm, RH
22	1	266974	Scraper Mounting
23	1	266433	Strut & Mounting Asm (Includes Items #13,14,15,16, & 17)
24	8	264692	Urethane Cushion
25	8	999868	Washer
26	2	265947	Wheel Filler



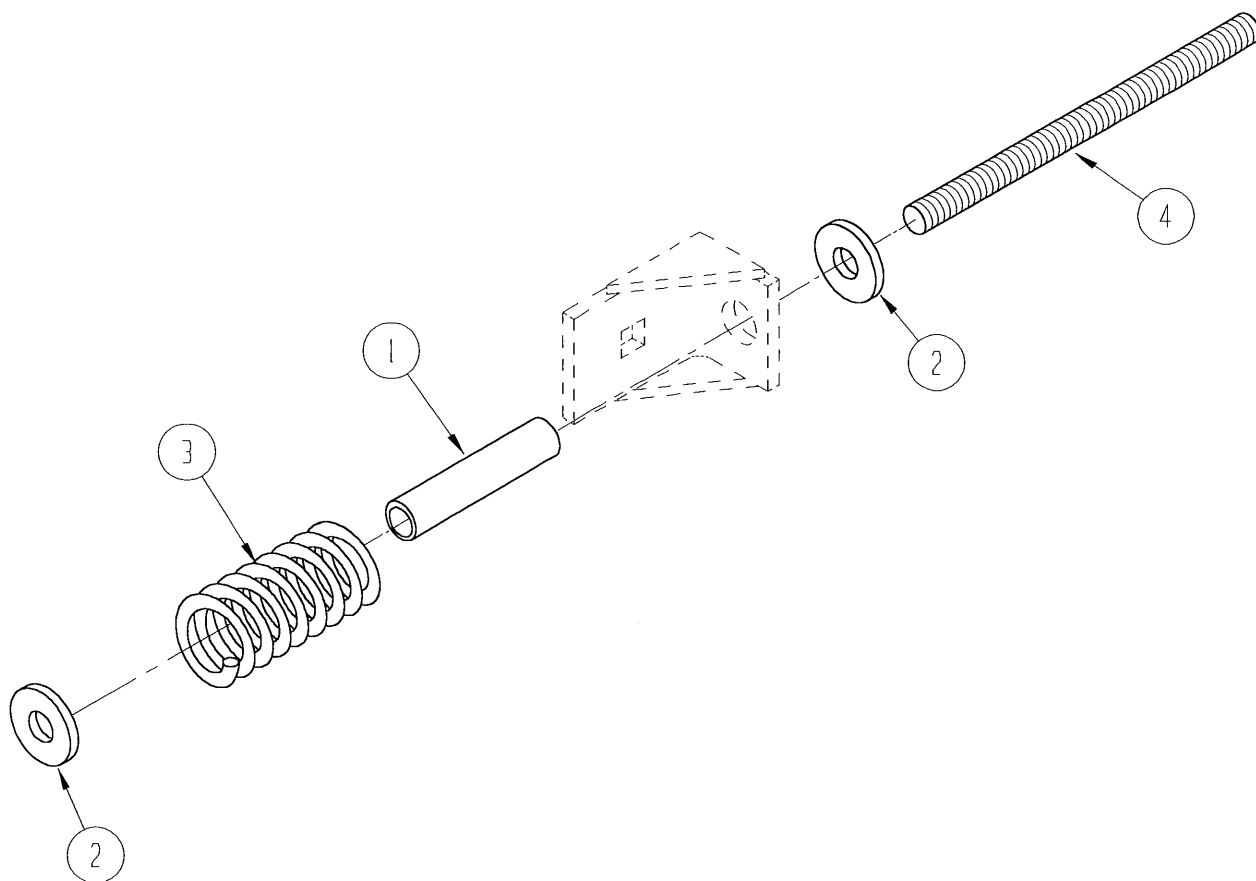
PADDLE & BAFFLE GROUP

ITEM NO.	QTY	PART NO. 2160	PART NO. 2180	DESCRIPTION
1	1	980510	980510	Sprocket, H60P16 (Tractor Hyd Drive Only)
2	1	290357	290357	Bushing, P1-1 3/4
3	134 LK	980909	980909	Roller Chain, RC60 HVY Duty
	1	980980	980980	Master Link, RC60 HVY Duty
4	2	980685	980685	Idler Sprocket, 15 Tooth
5	1	264084	264084	Draw Bolt
6	1	265756	265756	Slip Clutch Assy. (see next page)
7	2	980821	980821	Flanged Bearing, 1 15/16
8	1	266525	266525	LH Bearing Plate
9	1	266526	266526	RH Bearing Plate
10	1	266546		Paddle Drive Cover
11	1		266310	Paddle Drive Cover, LH
12	1		266378	Paddle Drive Cover, RH
13	1		265876	Adjusting Plate
14	2		980029	Pillow Block Bearing, 1 15/16
15	2		266527	Bearing Spacer
16	1	266338	266338	Baffle Plate, LH
17	1	266339	266339	Baffle Plate, RH
18	2	267036		Baffle Bracket, LH Offset
	3		267036	Baffle Bracket, LH Offset
19	2	267037		Baffle Bracket, RH Offset
	3		267037	Baffle Bracket, RH Offset
20	1	267144		Baffle Bracket, Center
21	1		267038	Baffle Bracket, Center
22	6	910054		Clamp
	5		910054	Clamp
23	1/Rw	267027	267027	Paddle Assembly
24	1/Rw	267028	267028	Paddle Half, LH Single Split
25	1/Rw	267029	267029	Paddle Half, RH Single Split
26	1/Rw	267030	267030	Paddle Half, LH Double Split
27	1/Rw	267031	267031	Paddle Half, RH Double Split
28	3/Rw	267032	267032	Rubber Backing, LH
29	3/Rw	267137	267137	Rubber Backing, RH
30	1	265380		Paddle Shaft
	2		265900	Paddle Shaft
31	6	266158		Clamp
	8		266158	Clamp
32	6	290483		Hook Plate
	8		290483	Hook Plate
33	4	290484		Backing Bar
	6		290484	Backing Bar
34	2	266386	266386	Hook Plate
35	2	266385	266385	Backing Bar
36	3	266293		Cover Belting
	4		266293	Cover Belting
37	2	266294	266294	Cover Belting
38	2	266344	266384	Cover Pipe
39	2	266333	266333	Lock Pin, Round Handle
40	2		267166	Bearing Protector



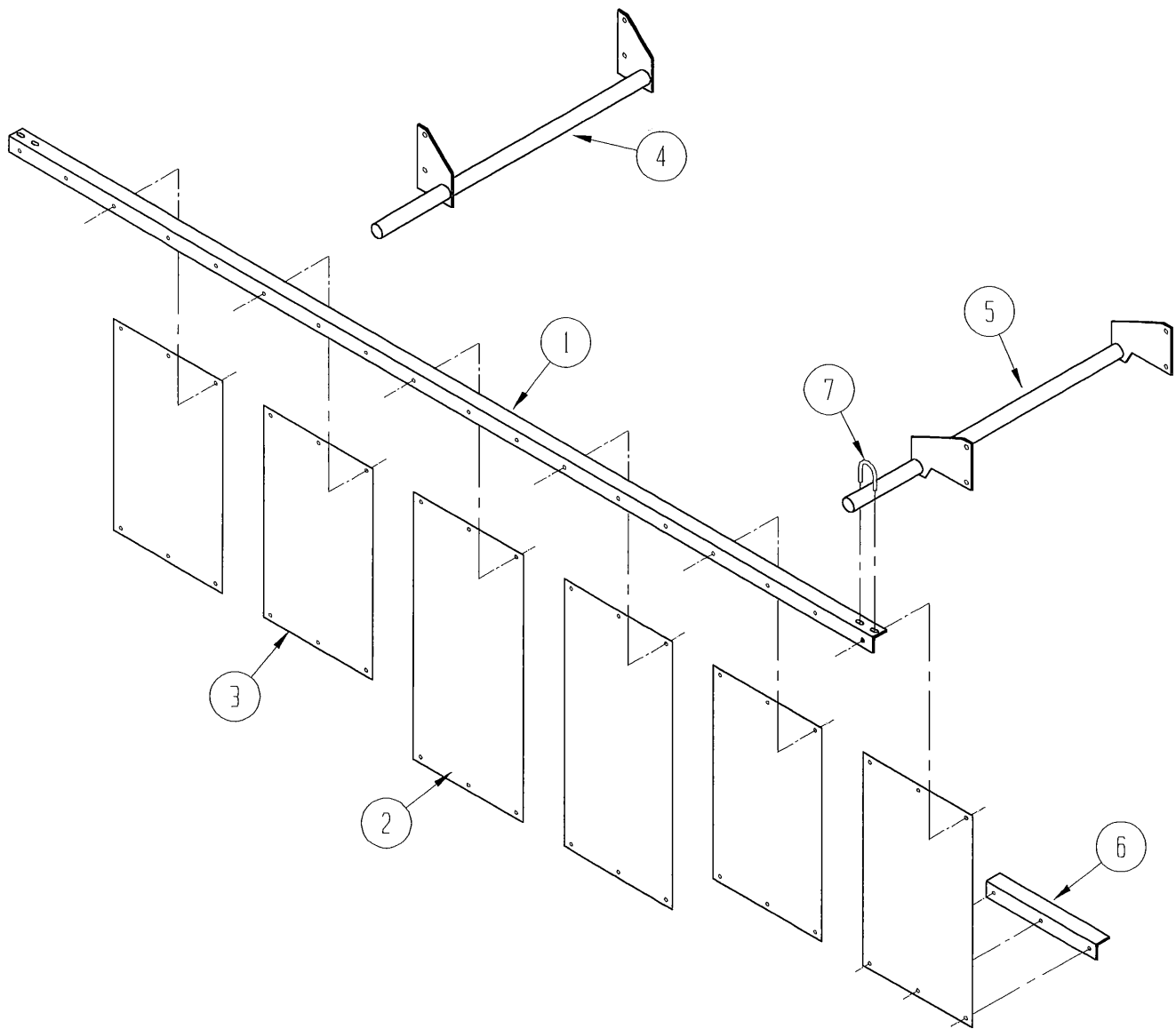
SLIP CLUTCH ASSEMBLY
(Paddle Shaft)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	265762	Sprocket, 60A60
2	2	265763	Fiber Disk
3	1	265764	Hub
4	1	265765	Clutch Plate
5	1	980219	Bushing, Q1 1 15/16
6	8	265761	Spring
7	8	264786	Washer
8	1	265756	Clutch Assembly, Less Bushing



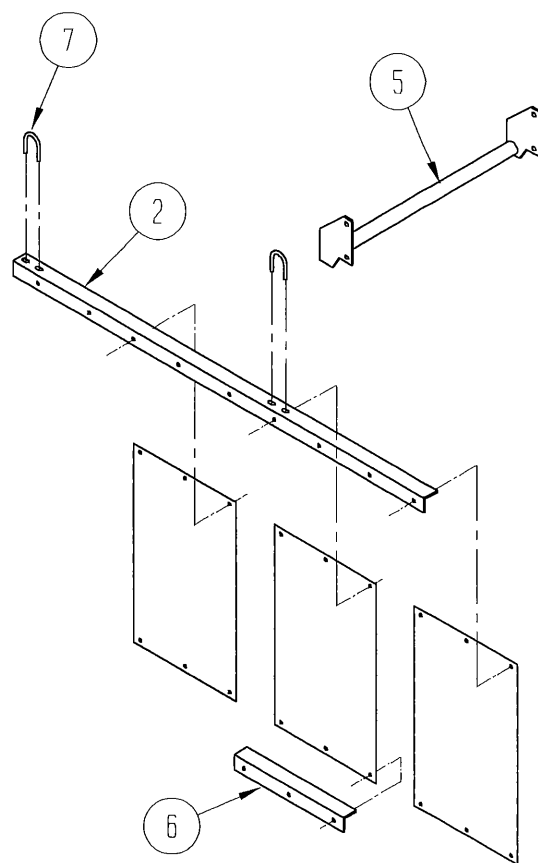
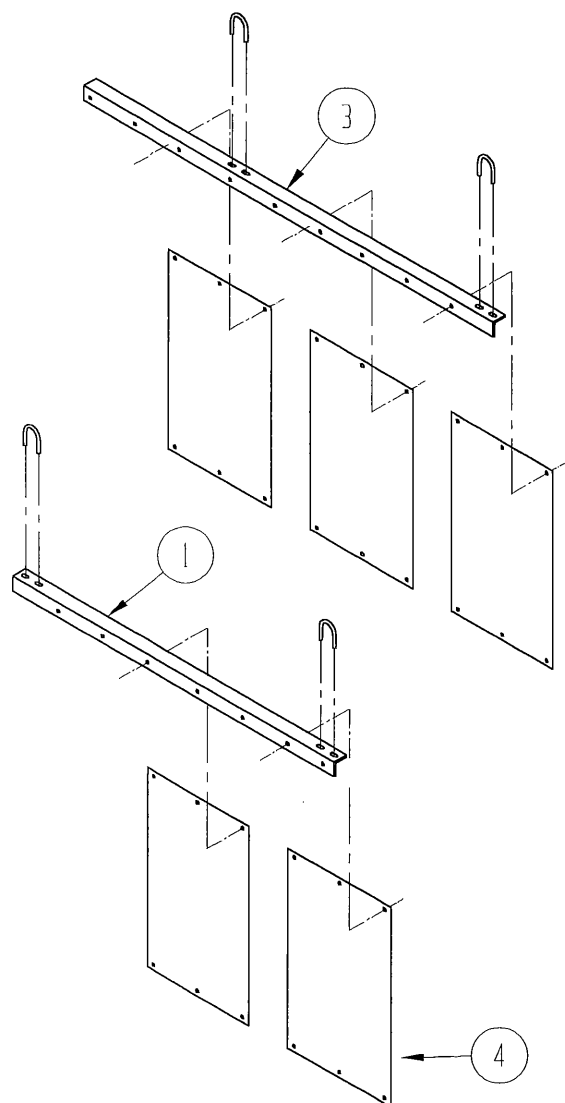
GRAB ROLL ROCK SPRING KIT
265376

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	8	265249	Spring Spacer
2	8	-----	Flat Washer, $\frac{3}{4}$
3	8	264737	Spring
4	8	265250	Take-up Rod



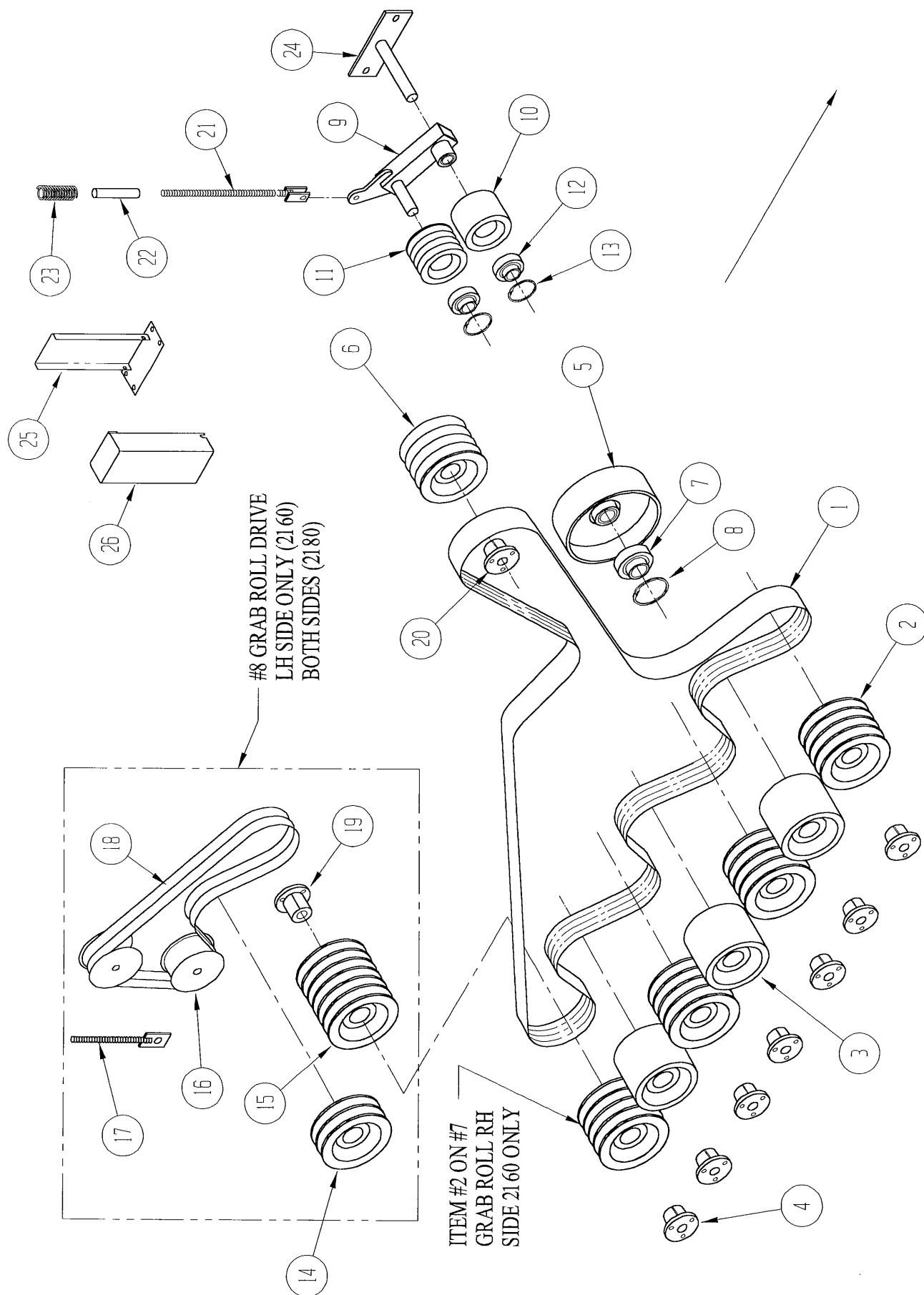
GRAB ROLL MUD FLAPS
(Model 2160)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	267185	Flap Angle
2	2	265428	Rubber Flap
3	4	265281	Rubber Flap
4	1	265423	Pipe Support, RH
5	1	267184	Pipe Support, LH
6	6	265265	Flap Angle
7	2	265280	U-Bolt



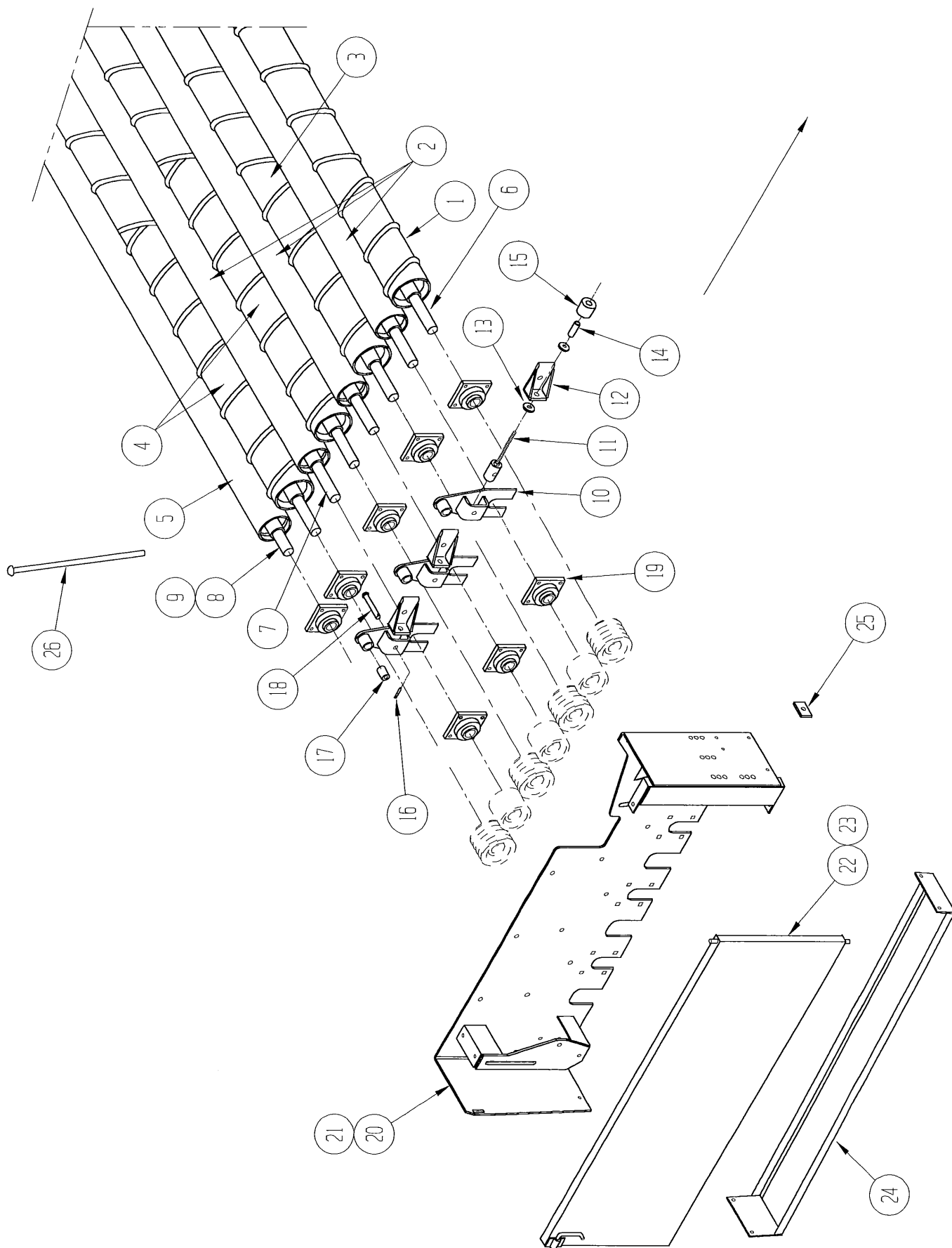
GRAB ROLL MUD FLAPS
(Model 2180)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	267016	Flap Angle, Front
2	1	267013	Flap Angle, LH
3	1	267014	Flap Angle, RH
4	8	265281	Rubber Flap
5	2	267050	Pipe Support
6	8	265265	Flap Angle
7	6	265280	U-Bolt



GRAB ROLL BELT DRIVE COMPONENTS

ITEM NO.	QTY	PART NO. 2160	PART NO. 2180	DESCRIPTION
1	2	265560		Power Band, 5BX195 (Use Notched Only)
	4		267045	Power Band, 3BX195 (Use Notched Only)
2	6	264649		Sheave, 5TB6.4 Q1
	6		265855	Sheave, 6TB6.4 Q1
3	6	265905	266905	Smooth Pulley
4	14	980219	980219	Bushing, Q1 1 3/4"
5	2	266630	266630	Idler Assembly w/Bearings
6	2	265651		Sheave, 5TB7.4 Q2
	2		265907	Sheave, 6TB7.4 Q2
7	2	980077	980077	Bearing, 1 3/4"
8	2	998915	998915	Snap Ring
9	1	267174	267174	Idler Arm, LH
	1	267175	267175	Idler Arm, RH
10	2	265952	265952	Idler Assembly, 6 1/2" w/ Bearing
11	2	264646	265908	Idler Sheave Assembly w/ Bearing
12	2	980073	980073	Bearing, 1 3/8"
13	2	980914	980914	Snap Ring
14	1	266327		Sheave, 2B6.4 Q1
	2		266327	Sheave, 2B6.4 Q1
15	1	266539	266539	Sheave, 8B6.4 Q1
16	2	265649		Idler Pulley
	4		265649	Idler Pulley
17	1	265716	265716	Draw Bolt
18	2	265366		V-Belt, BB60
	4		265366	V-Belt, BB60
19	1	980353	980353	Bushing, SF-1 15/16
20	2	265653	265653	Bushing, Q2-1 3/4
21	2	264628	264628	Draw Bolt
22	2	264637	264637	Spacer
23	2	264636	264636	Spring
24	2	265471	265471	Idler Shaft Weldment
25	2	267179	267179	Cover Support
26	2	267180	267180	Draw Bolt Cover

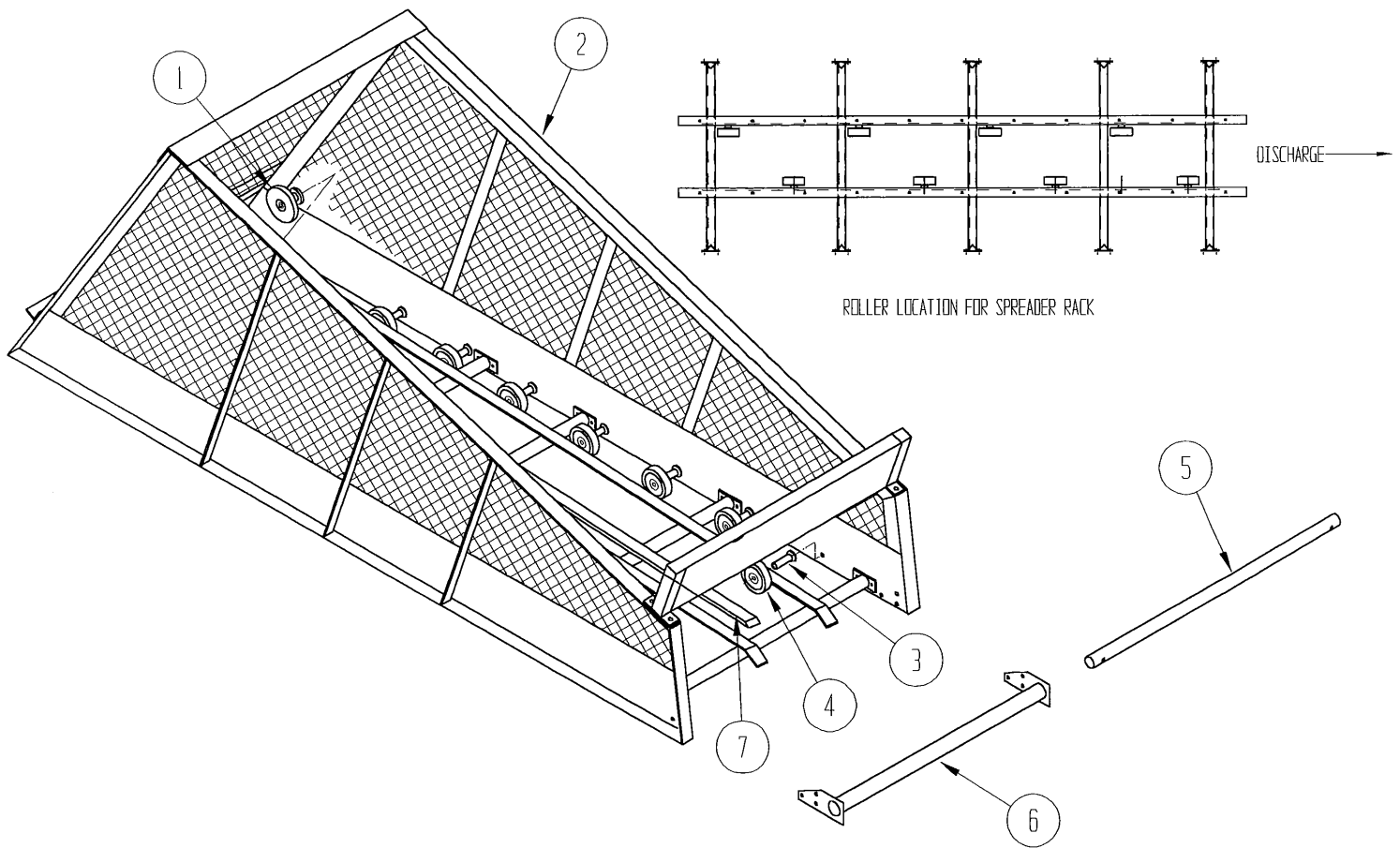


GRAB ROLL BED ASSEMBLY
(Steel Grab Rolls w/ Weld In Stub Shafts Only)

ITEM NO.	QTY	PART NO. 2160	PART NO. 2180	DESCRIPTION
1	1	266848	266896	Grab Roll #1
2	3	266852	266897	Grab Roll #2, #4, & #6
3	1	266849	266898	Grab Roll #3
4	1	266850	266898	Grab Roll #5, & #7
5	1	266851	266900	Grab Roll #8
6	6	266847	266847	Stub Shaft, #1, #3, #5, & #7 Grab Rolls
7	6	266857	266857	Stub Shaft, #2, #4, & #6 Grab Rolls
8	1	266862	266862	Stub Shaft, Short, #8 Grab Roll
9	1	266861	266861	Stub Shaft, Long, #8 Grab Roll
10	8	264633	264633	Hanger Bracket
11	8	264634	264634	Draw Bolt, Asm.
12	8	264601	264601	Take Up Angle
13	16	264602	264602	Washer
14	8	264604	264604	Spring Tube
15	8	264603	264603	Spring Cushion
16	8	-----	-----	Roll Pin, 5/32 x 1
17	8	264216	264216	Bushing
18	8	264640	264640	Clevis Pin
19	16	980821	980821	Bearing, 1 15/16 4-Hole Flanged
20	1	267047	267047	Hanger Plate, RH
21	1	267046	267046	Hanger Plate, LH
22	1	266267	266267	Grab Roll Door, RH
23	1	266266	266266	Grab Roll Door, LH
24	2	266297	266297	Lower Guard
25	2	266301	266301	Spacer
26	52	266290		Finger Rod
	78		266290	Finger Rod

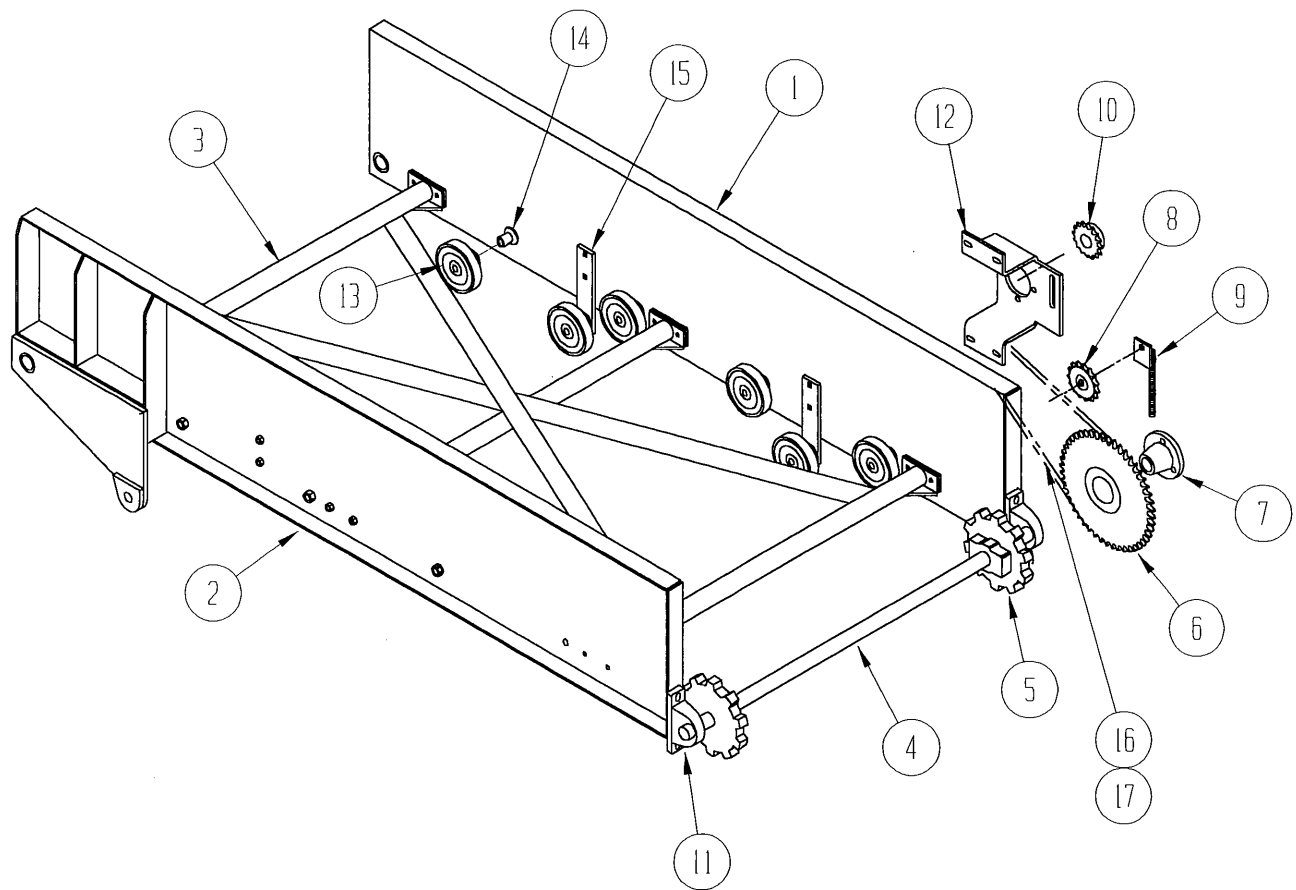
HOPPER & MOUNTING GROUP

ITEM NO.	QTY	PART NO. 2160	PART NO. 2180	DESCRIPTION
1	1	267145	265806	Hopper & Discharge Assembly
2	1	294216	294216	Cover, Valve Bank
3	1	266044	266044	Hopper Support, Rear
4	1	265853	265853	Spreader
5	1	266230	266230	Spreader Frame
6	1	266040	266040	Hopper Support, Front
7	1	265858	265858	Chain Shield
8	2	265737	265737	Spacer
9	1	265732	266549	Belted Chain, 1/2 x 42 x 50MM Pitch, 6st/1up
10	1	265998	265998	Cross Rod
11	1	265794	265794	Railing, Front
12	1	265795	265795	Railing, Right Rear
13	1	265796	265796	Railing, Left Rear
14	1	265797	265797	Railing, Side
15	1	265700	265700	Elevator Support
16	1	265999	265999	Grate Rod
17	As Req'd	998240	998240	Hex Cap Screw, 1/4-28 x 1 1/4 Grd-8, w/Lock Nut. Note: Do Not Use Elastic Stop Nut
18	As Req'd	998239	998239	Backing Plate w/ Threaded Holes
19	As Req'd	998238	998238	Chain Link, Straight w/ 1/4" Holes
20	As Req'd	998609	998609	Chain Link, Offset Up w/ Rivet Holes
21	AS Req'd	998606	998606	Chain Link, Straight w/ Rivet Holes
22	6	266154	266154	Riser Tube
23	1		265868	Extension Panel, Front
24	1		265869	Extension Panel, Rear



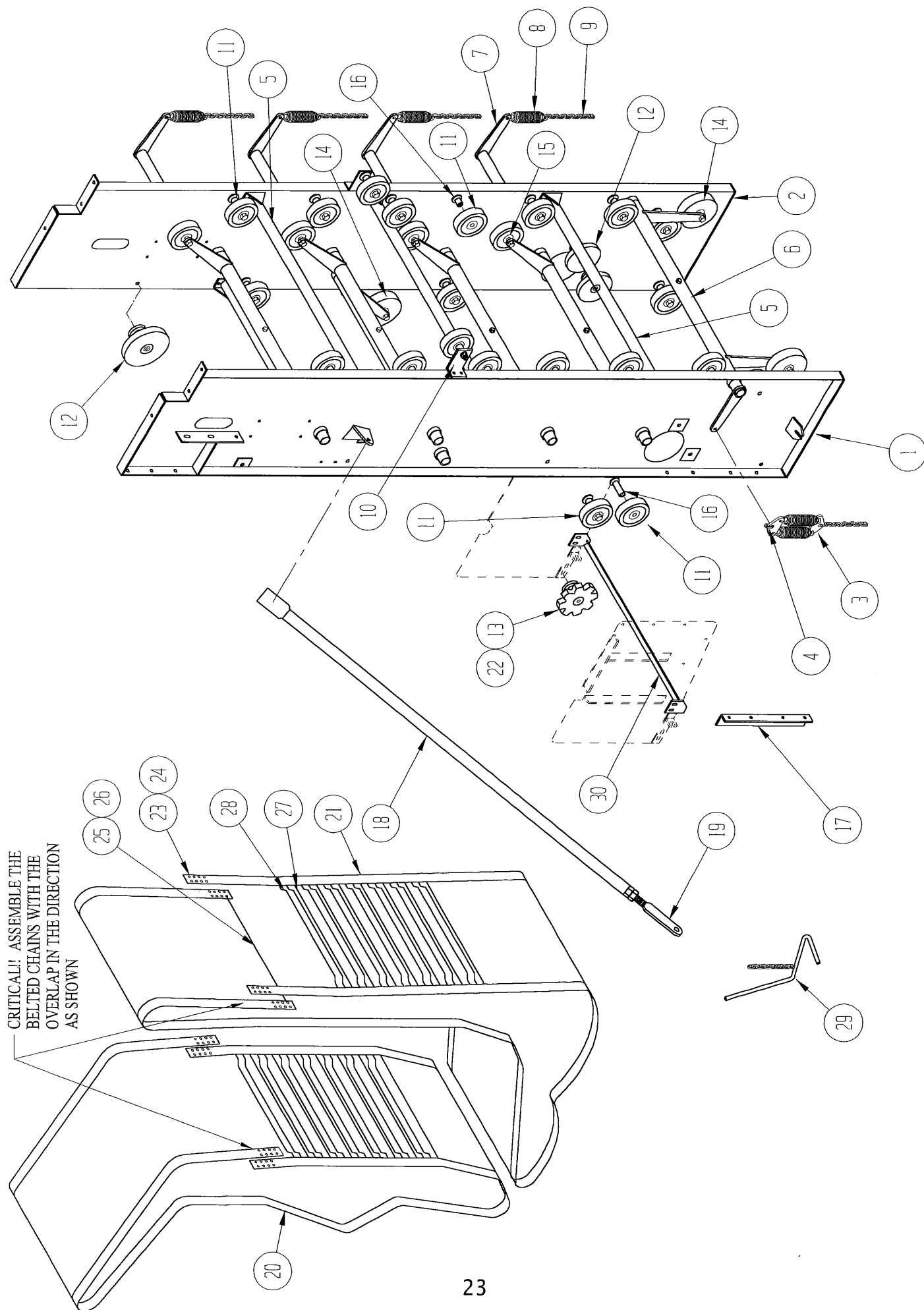
HOPPER ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	2	266494	Roller Asm w/ 3" Base (See Pg. 26)
2	1	265775	Hopper Weldment
3	26	265935	Standoff, 5/8 x 3 5/8
4	26	265150	Roller 5" Dia. (See Pg. 26)
5	1	266505	Pivot Shaft
6	1	266506	Pivot Pipe Weldment
7	2	266533	Wear Slat



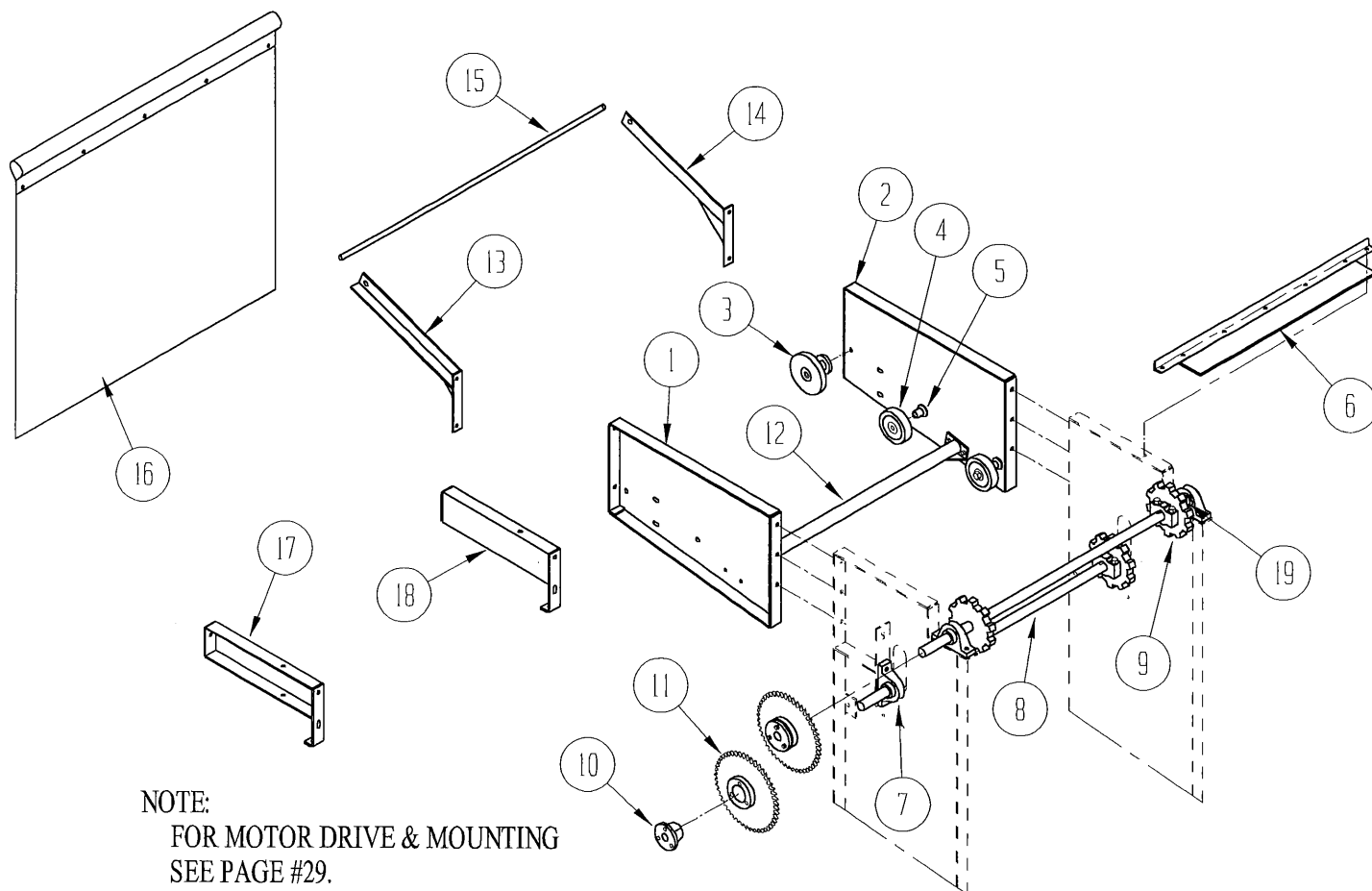
DISCHARGE ELEVATOR ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	266508	Discharge Panel-Front
2	1	266509	Discharge Panel-Rear
3	1	265383	Spreader Frame
4	1	265344	Head Shaft
5	2	265731	Sprocket-12T 56MM 1 3/8B
6	1	980824	Sprocket, 60Q40
7	1	980217	Bushing, Q1 1 3/8
8	1	980685	Idler Sprocket-60RC
9	1	264084	Take Up Bolt
10	1	980600-1 1/4	Sprocket 60B16 1 1/4 Bore, 5/16KW
11	2	980024	Pillow Block Bearing, 1 3/8
		980155	Bearing Insert For Item #11
12	1	294023	Motor Mount
13	12	265150	Roller, 5" Dia. (See Page 26)
14	12	265935	Standoff, 5/8 x 3 5/8
15	4	290022	Roller Bracket
16	90	980909	RC60 Roller Chain, Hvy Duty
17	1	980980	RC60 Master Link, Hvy Duty



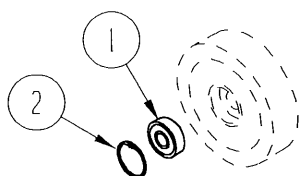
REAR ELEVATOR ASSEMBLY

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	266142	Vertical Elevator Panel (LH)
2	1	266143	Vertical Elevator Panel (RH)
3	2	290243	Spring Bracket
4	2	290244	Cold Shut
5	4	910444	Elevator Spreader
6	6	290061	Chain Tightener
7	6	290060	Spring Arm
8	7	998986	Extension Spring
9	6	981231	1/4 Proof Coil Chain-12 Links
10	2	265735	Roller Bracket
11	32	265150	Roller, 5" (See Page 26)
12	6	266494	Roller Asm w/ 3" Base (See Page 26)
13	2	266119	Idler Sprocket, 8T 56 MM (See Page 26)
	Optional	266120	Idler Sprocket, 10T 50 MM
14	4	265719	Roller, 6" (See Page 26)
15	8	265151	Spacer
16	20	266935	Standoff 5/8 x 3 5/8
17	2	264080	Mounting Angle
18	1	264064	Elevator Support Rod (Includes Item #19)
19	1	290471	Adjusting Rod
20	1	267009	Belted Chain (Front) 1/2 x 42 x 56MM 1 str/2 down. (Includes Items 23, 24, 25, & 26)
	Optional	266126	Belted Chain (Front) 1/2 x 42 x 50MM 1 str/2 down. (Includes Items 23, 24, 25, & 26)
21	1	267008	Belted Chain (Back) 1/2 x 42 x 56MM 1 str/2 down. (Includes Items 23, 24, 25, & 26)
	Optional	266121	Belted Chain (Back) 1/2 x 42 x 50MM 1 str/2 down. (Includes Items 23, 24, 25, & 26)
22	2		Hex Bolt, 5/8 x 5 Grade 8
23	As Req'd	998240	Hex Cap Screw, 1/4-28 x 1 1/4 Grd-8, w/ Lock Nut. Note: Do Not Use Elastic Stop Nut
24	As Req'd	998239	Backing Plate w/ Threaded Holes
25	As Req'd	998238	Chain Link, Offset Down w/ 1/4" Holes
26	As Req'd	998237	Chain Link, Straight w/ 1/4" Holes
27	As Req'd	998606	Chain Link, Straight w/ Rivet Holes
28	As Req'd	998619	Chain Link, Offset Down w/ Rivet Holes
29	1	264685	Spring Extension Tool
30	1	266345	Mud Scraper

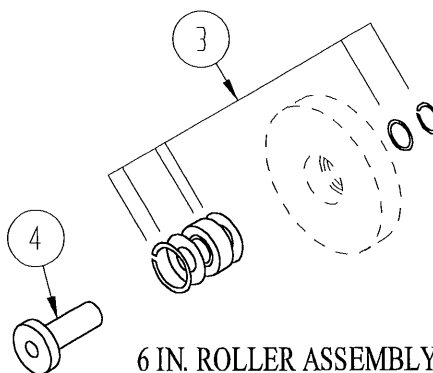


REAR ELEVATOR TOP ASSEMBLY

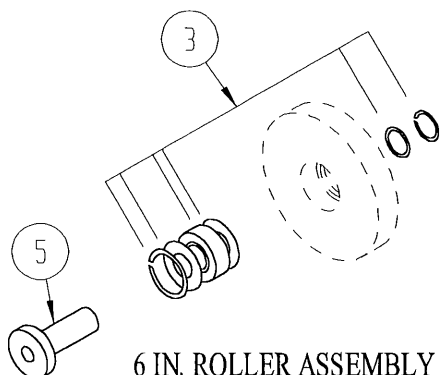
ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	266134	Top Elevator Panel (LH)
2	1	266135	Top Elevator Panel (RH)
3	2	266494	Roller Asm w/ 3" Base (See Page 26)
4	4	265150	Roller, 5" (See Page 26)
5	4	265935	Standoff, 5/8 x 3 5/8
6	1	290119	Flap Assembly
7	4	980028	Pillow Block Bearing 1 3/4
		980822	1 3/4" Bearing insert for Item #9
8	2	266108	Elevator Head Shaft
9	4	266620	Split Sprocket, 12T x 56 MM - 1 3/4 Bore
	Optional	266166	Split Sprocket, 12T x 50 MM - 1 3/4 Bore
10	2	980218	Bushing, Q1-1 3/4
11	2	980478	Sprocket 60Q48
12	1	910444	Spreader
13	1	266557	Mounting Bracket, LH
14	1	266558	Mounting Bracket, RH
15	1	266562	Pivot Rod
16	1	266563	Deflector Belting
17	1	266511	Extension Panel, LH
18	1	266512	Extension Panel, RH
19	4	266396	Bearing Protector



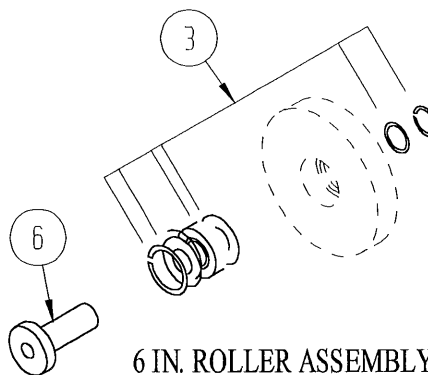
5 IN. ROLLER ASSEMBLY
PART #265150



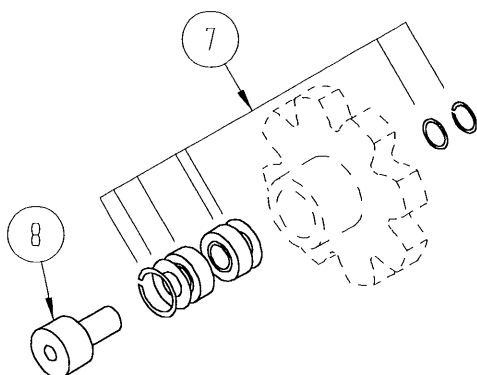
6 IN. ROLLER ASSEMBLY
PART #266494



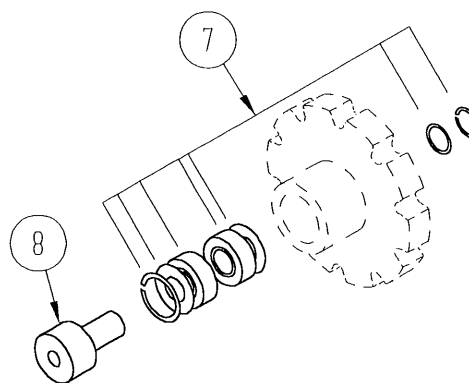
6 IN. ROLLER ASSEMBLY
PART #265719



6 IN. ROLLER ASSEMBLY
PART #265718



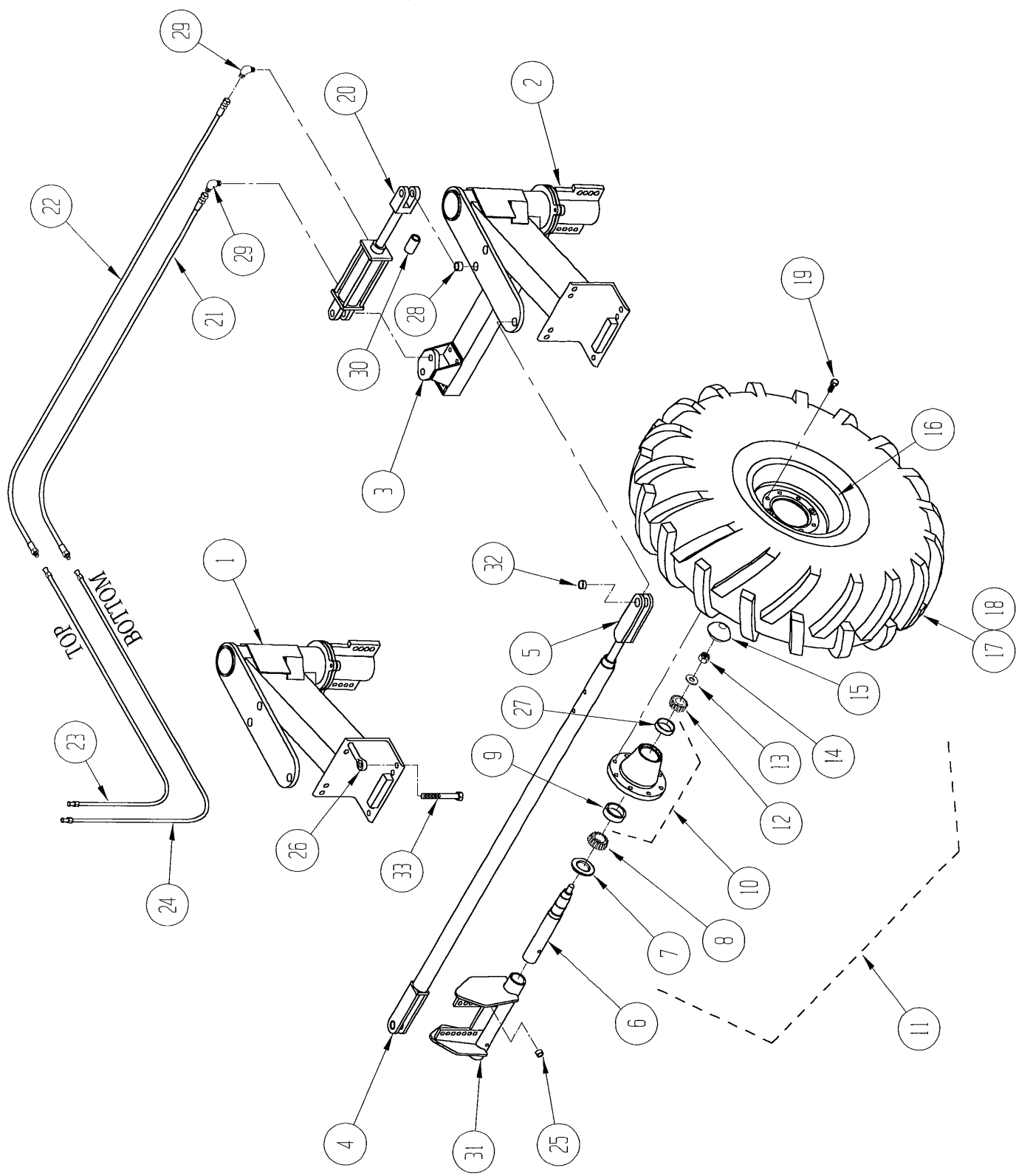
IDLER SPROCKET ASSEMBLY 8T 56MM
PART #266119



IDLER SPROCKET ASSEMBLY 10T 50MM
PART #266120

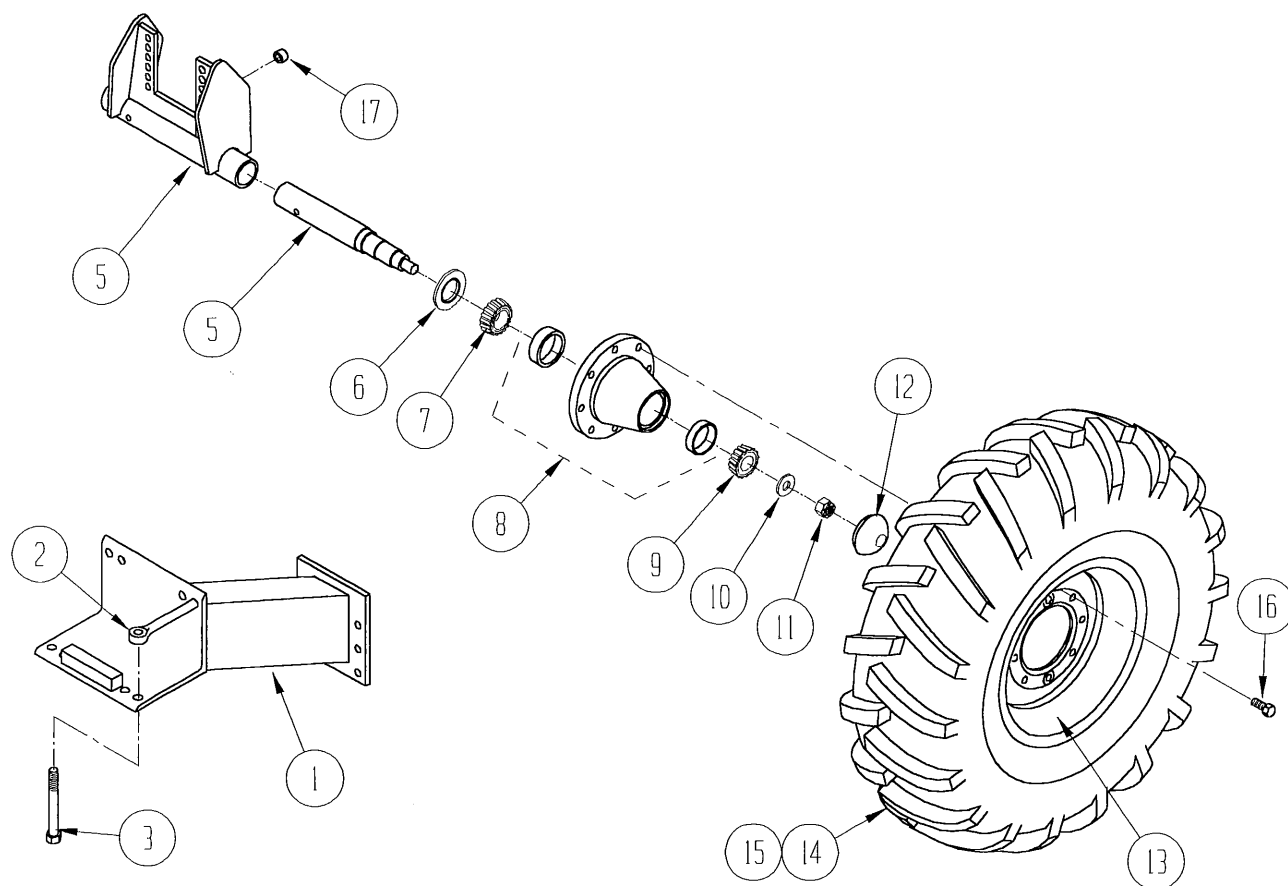
ROLLERS & IDLER SPROCKETS

ITEM NO.	QUANTITY PER ROLLER	PART NO.	DESCRIPTION
1	1	980081	Bearing, 5/8
2	1	998946	Snap Ring
3	1	265957	Bearing Repair Kit
4	1	267172	Stub Shaft, GB2 w/ 3" Hub
5	1	265955	Stub Shaft, J2
6	1	265956	Stub Shaft, D2
7	1	265959	Bearing Repair Kit
8	1	266179	Stub Shaft



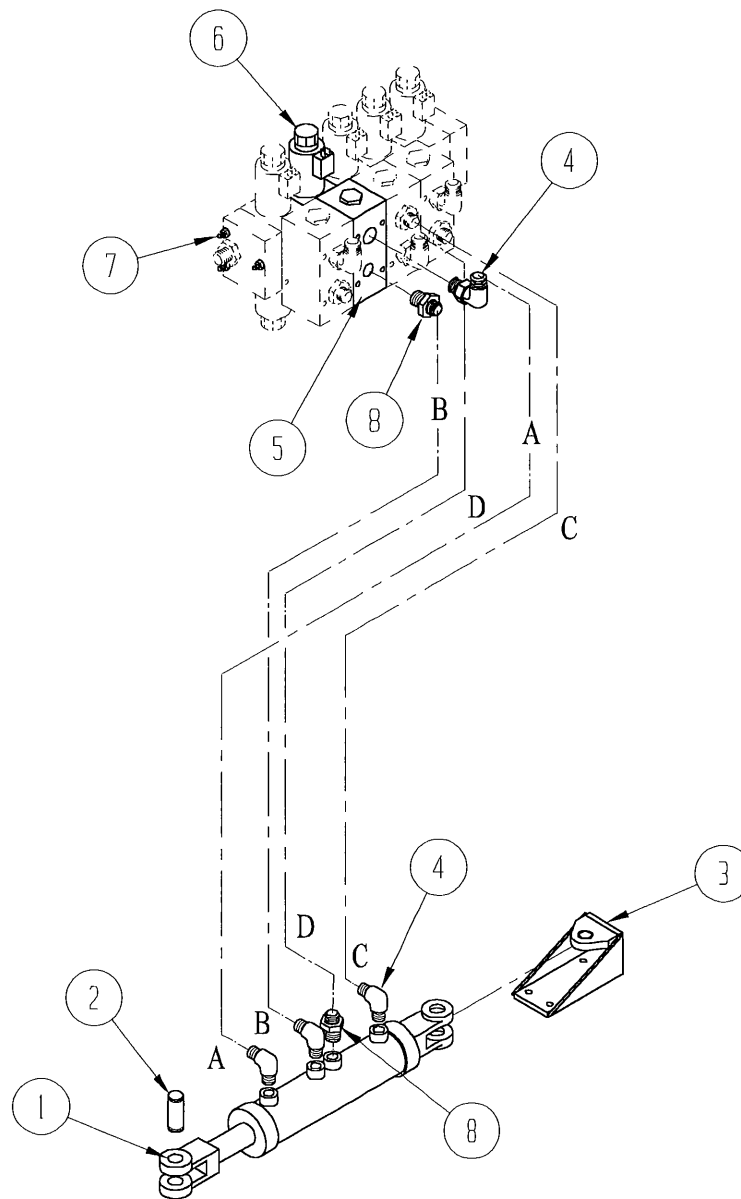
STEERABLE WHEEL ASSEMBLY 11.2 X 24"

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	265220	Steerable Strut (RH)
2	1	265217	Steerable Strut (LH)
3	1	265233	Cylinder Ear
4	1	264405	Tie Rod Assembly w/Bushings
5	1	250098	Tie Rod End
6	4	999956	Spindle
7	4	990094	Seal
8	4	990000	Bearing Cone (Inner)
9	4	990001	Bearing Cup (Inner)
10	4	999964	Wheel Hub with Cups
11	4	999981	Hub Asm (Includes Item #19)
12	4	990002	Bearing Cone (Outer)
13	4	999965	Flat Washer-7/8
14	4	999960	Castle Nut-7/8
15	4	999952	Hub Cap
16	4	300046	Wheel 10 x 24
17	4	331224	Tire 11.2 x 24 Lug
18	4	300045	Tube 11.2 X 24
19	32	997905	Lug Bolt
20	1	998943	Hydraulic Cylinder, 3 x 6
21	1	264800	Hydraulic Hose Assembly
22	1	264801	Hydraulic Hose Assembly
23	1	264900	Hydraulic Tube Assembly
24	1	264901	Hydraulic Tube Assembly
25	4	264714	Spacer
26	8	997903	Eye Bolt 3/4 x 6 1/2
27	4	990003	Bearing Cup (Outer)
28	5	990251	Bushing
29	2	295043	Male 90° Elbow, 1/2 x 1/2 O-Ring
30	1	265012	Cylinder Stop
31	2	267157	Strut Bottom
32	1	990250	Bushing
33	8	-----	Hex Cap Screw, 3/4 x 8 1/2



NON-STEERABLE WHEEL STRUT ASSEMBLY

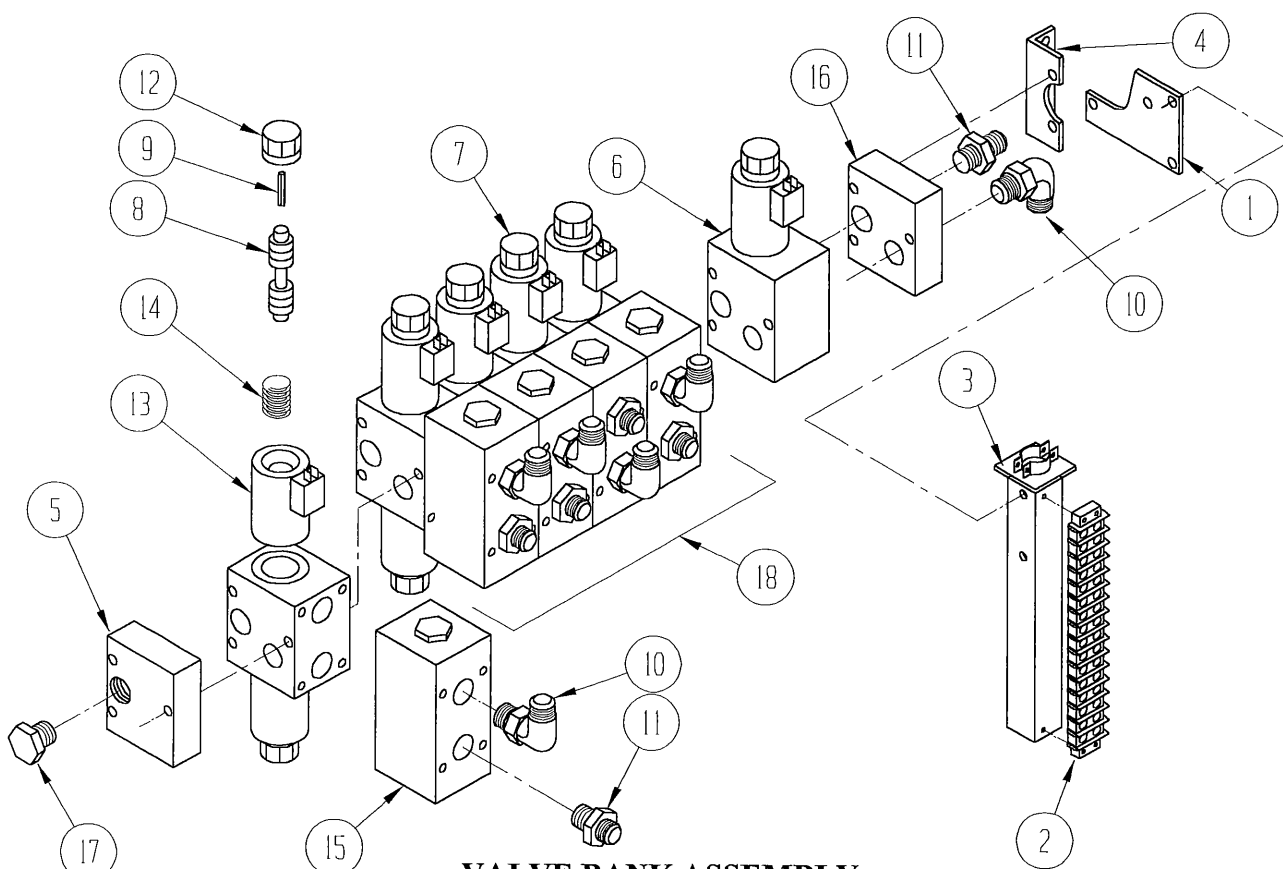
ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	2	264095	Non-Steerable Strut
2	8	997903	Eye Bolt 3/4 x 6 1/2
3	8	-----	Hex Cap Screw 3/4 x 8 1/2
4	2	267157	Lower Strut
5	4	999956	Spindle
6	4	990094	Seal
7	4	990000	Inner Bearing Cone
8	4	999964	Wheel Hub With Cups
9	4	990002	Outer Bearing Cone
10	4	999965	7/8 Flat Washer
11	4	999960	7/8 Slotted Nut
12	4	999952	Hub Cap
13	4	300046	Wheel 10 x 24
14	4	331224	Tire 11.2 x 24
15	4	300045	Tube
16	32	997905	Lug Bolt
17	4	264714	Spacer



2-WAY STEERING RETURN TO STRAIGHT

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	265226	Double Rod Cylinder
2	2	265254	Cylinder Pin w/ Hair Pins
3	1	265236	Cylinder Ear
4	4	295043	Straight Thread Elbow, 1/2 X 1/2 O-Ring
5	1	265850	P.O. Check
6	1	265845	Work Valve**
7	1	265841	Bolt/Mounting Kit, 3 Bank Valve
	1	265842	Bolt/mounting kit, 4 Bank Valve
8	1	295024	Straight Thread Connector, 1/2 x 1/2 O-Ring

**See Page 25 for Valve Parts Breakdown



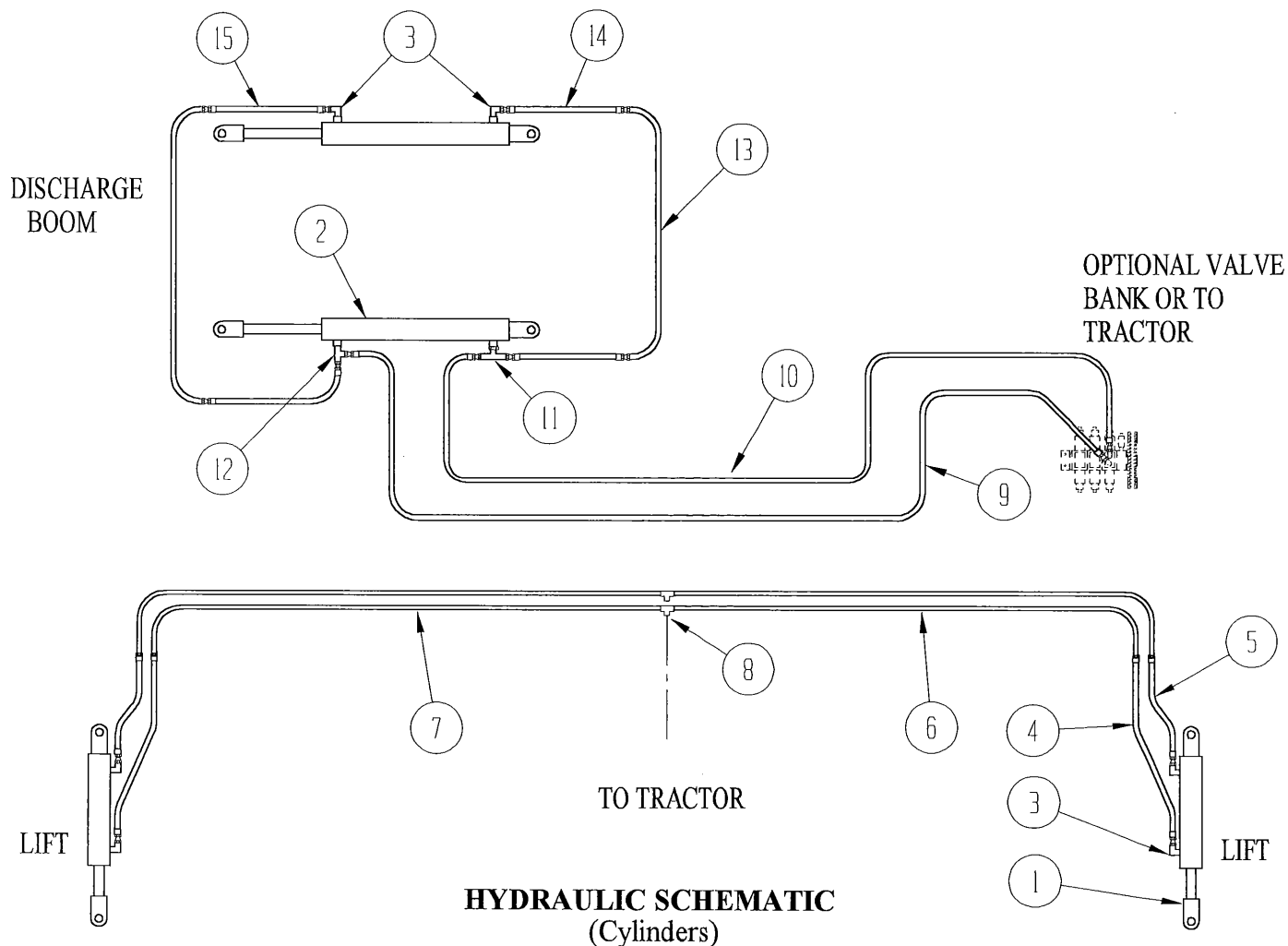
VALVE BANK ASSEMBLY

265727 4-Bank Valve Assembly

265726 3-Bank Valve Assembly

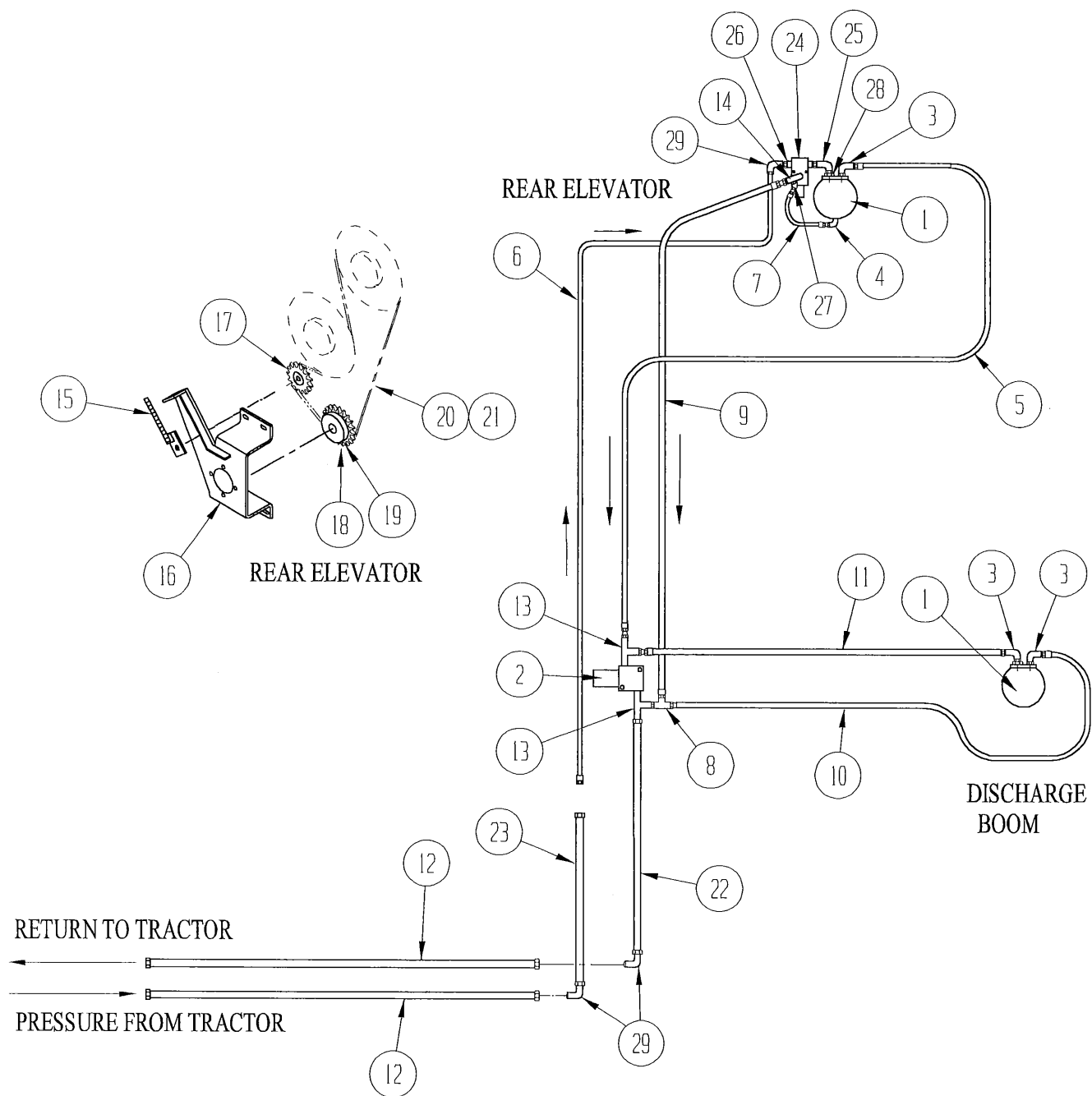
265725 2-Bank Valve Assembly

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	265843	Mounting Plate
2	1	264713	16 Wire Terminal Block
3	1	264709	Terminal Mounting Bracket
4	1	265847	Bolt/Mounting Kit (2-Bank)
	1	265848	Bolt/Mounting Kit (3-Bank)
	1	265849	Bolt/Mounting Kit (4-Bank)
5	1	265846	End Plate
6	1	265844	Un-loader Valve
7	As Req'd	265845	Work Valve
8	As Req'd	265979	Spool
9	As Req'd	265980	Push Pin
10	As Req'd	295043	Straight Thread Elbow 1/2 x 1/2 O-Ring
11	As Req'd	295024	Straight Thread Connector 1/2 x 1/2 O-Ring
12	As Req'd	265981	Retainer Cap
13	As Req'd	265982	Solenoid Coil
14	As Req'd	265983	Spring
15	As Req'd	265850	P.O. Check
16	1	265964	Inlet Plate
17	1	295096	O-ring Plug, 1/2
18	1	265840	2-Bank Valve Asm W/out Fittings
	1	265841	3-Bank Valve Asm W/out Fittings
	1	265842	4-Bank Valve Asm W/out Fittings



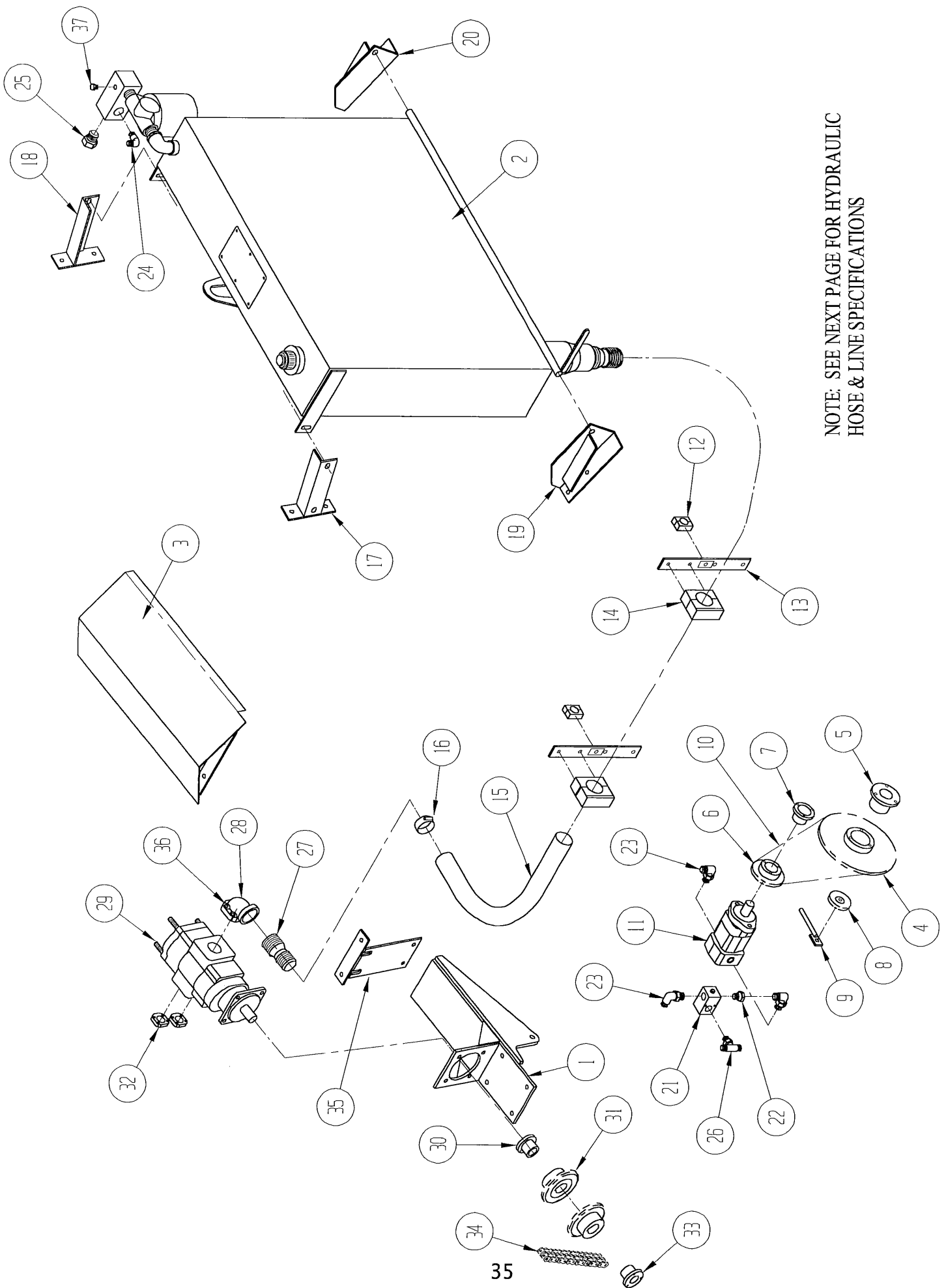
ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	2	998909	Hydraulic Cylinder 3 1/2 x 8
2	2	300086	Hydraulic Cylinder 2 1/2 x 24
3	6	295043	Straight Thread Elbow, 90° x 1/2 x 1/2 O-Ring
4	2		Hydraulic Hose, 1/2 x 27 w/ 1/2 JIC Male & Female Ends
5	2		Hydraulic Hose, 1/2 x 17 w/ 1/2 JIC Male & Female Ends
6	2	265011	Hydraulic Tube Asm, 69" 90°
7	2	266159	Hydraulic Tube Asm, 59" 90°
8	2	295047	Union Tee, 1/2 JIC
9	1		Hydraulic Hose, 1/2 x 128 w/ 1/2 JIC Female Ends
10	1		Hydraulic Hose, 1/2 x 102 w/ 1/2 JIC Female Ends
11	1	295050	Branch Tee, 1/2 x 1/2 O-Ring
12	1	295092	Run Tee, 1/2 X 1/2 O-Ring
13	2	266160	Hydraulic Tube Asm 90°
14	2		Hydraulic Hose Asm, 1/2 x 75 w/ 1/2 JIC Male & 1/2 JIC Female Ends
15	2		Hydraulic Hose Asm, 1/2 x 48 w/ 1/2 JIC Male & 1/2 JIC Female Ends

*Please specify brand of cylinder involved when ordering seal kits.



HYDRAULIC SCHEMATIC
(Motor Drives, Tractor Driven)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	2	300073	Hydraulic Motor
2	1	264535	Dump Valve
		290117	Replacement Coil for Item #2
3	3	295039	Straight Thread Elbow, 3/4 x 3/4 O-Ring
4	1	295093	Straight Thread Elbow, 3/8 x 1/4 O-Ring
5	1		Hydraulic Hose Asm, 3/4 x 52 w/ 3/4 JIC Male Ends
6	1		Hydraulic Hose Asm, 3/4 x 110 w/ 3/4 JIC Female Ends
7	1		Hydraulic Hose Asm, 1/4 x 10 w/ 3/8 JIC Female Ends
8	1	295048	Swivel Nut Run Tee, 3/4 JIC
9	1		Hydraulic Hose Asm, 3/4 x 77 w/ 3/4 JIC Female Ends
10	1		Hydraulic Hose Asm, 3/4 x 163 w/ 3/4 x 90° Tube Female JIC & 3/4 Female Ends
11	1		Hydraulic Hose Asm, 3/4 x 155 w/ 3/4 JIC Female Ends
12	2	266161	Tube Assembly
13	2	295094	Straight Thread Run Tee, 3/4 X 3/4 O-Ring
14	1	266162	Elbow
15	1	264084	Draw Bolt
16	1	266089	Motor Mounting Bracket
17	1	980685	Idler Sprocket, 15 Tooth
18	1	980736	Sprocket, SDS 24 Tooth
19	1	980282-5/16	Bushing, SDS 1 1/4, 5/16 KW
20	130 links	980909	Roller Chain, RC60, Hvy Duty
21	1	980980	Master Link, RC60, Hvy Duty
22	1	266164	Tube Assembly, 22"
23	1	266163	Tube Assembly, 17"
24	1	264886	Relief Valve
		264887	Relief Valve Cartridge Only
25	1	295037	Swivel Nut Elbow, 3/4 JIC
26	2	265014	Female Swivel, 3/4 x 3/4 O-Ring
27	1	295032	Male Elbow, 3/8 JIC x 1/4 Male Pipe
28	1	295018	Straight Thread Connector, 3/4 x 3/4 O-Ring
29	3	295095	Union Elbow, 3/4 JIC

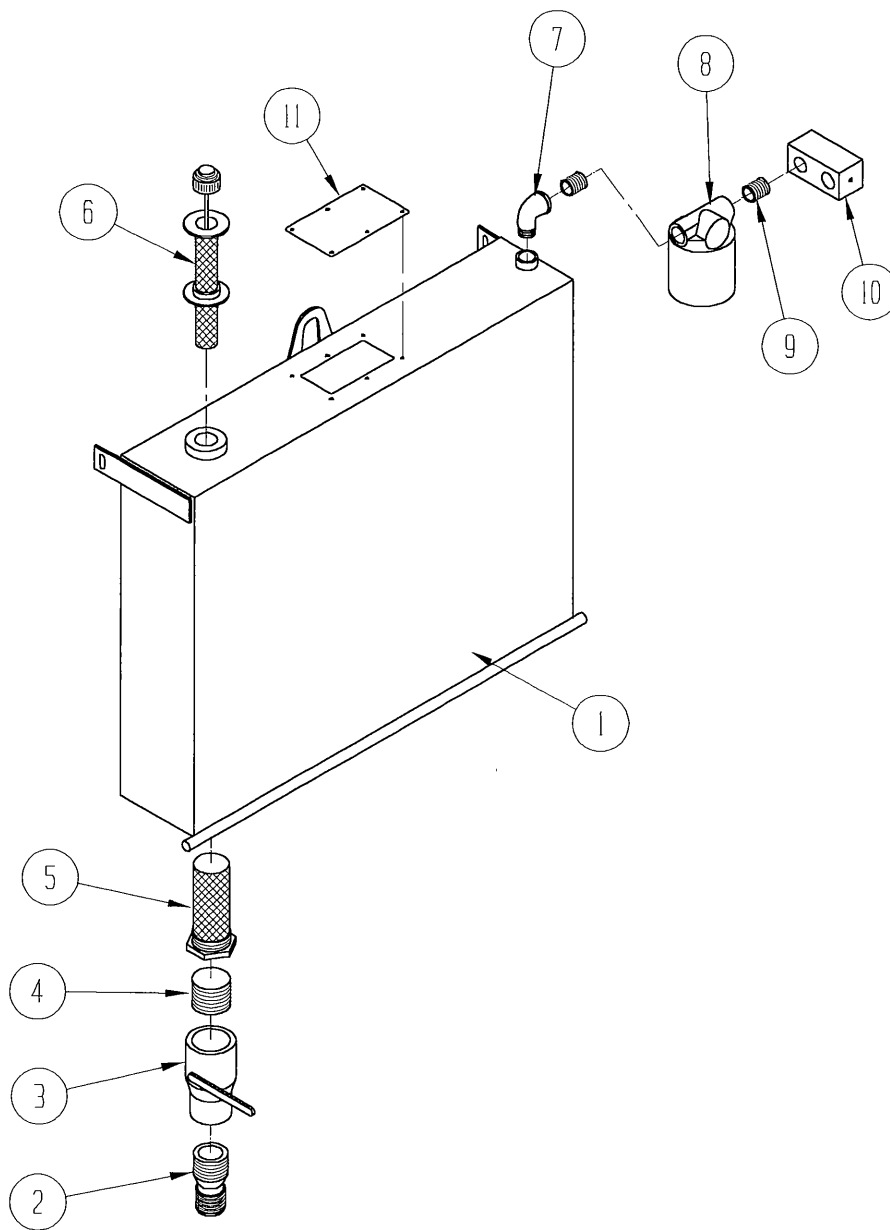


NOTE: SEE NEXT PAGE FOR HYDRAULIC
HOSE & LINE SPECIFICATIONS

SELF CONTAINED HYDRAULIC OPTION

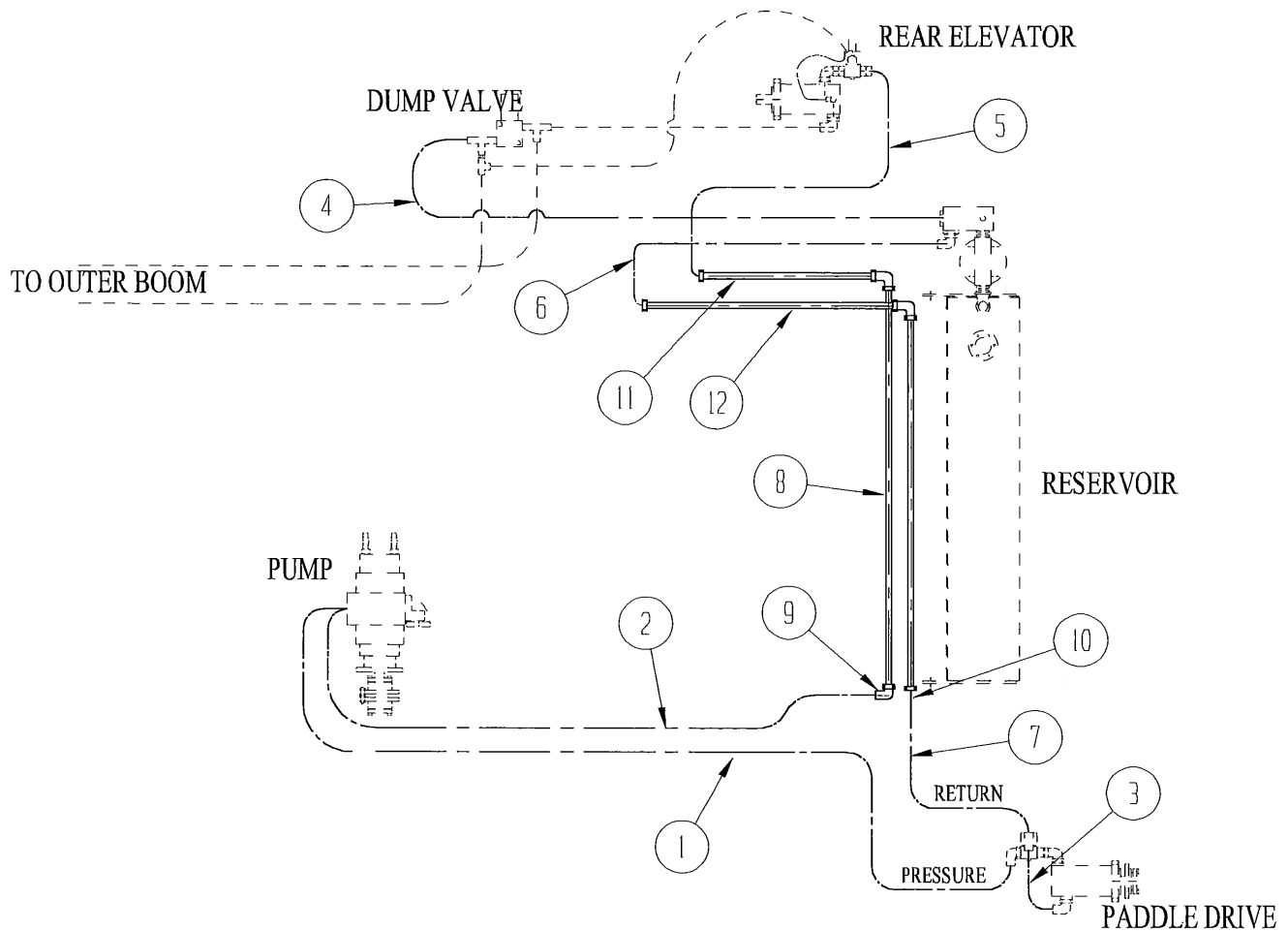
(Model 2160 Only)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	266592	Pump Bracket
2	1	266203	Oil Reservoir
3	1	266218	Pump Cover
4	1	980478	Sprocket, 60Q 48 Tooth
5	1	980219	Bushing, Q1-1 15/16
6	1	980734	Sprocket, 60SDS 20 Tooth
7	1	980282	Bushing, SDS-1 ¼
8	1	980685	Idler Sprocket, 15 Tooth
9	1	290770	Draw Bolt
10	1	980909	Roller Chain, RC60 Hvy Duty, 85 links w/ Half Link
	1	980980	Master Link, RC60 Hvy Duty
11	1	100635	Hydraulic Motor
12	2	264703	Tube Clamp, 3/4 Double
13	2	266221	Clamp Bar
14	2	266223	Tube Clamp, 2 1/2
15	1	902123	Suction Hose, 2" x 93"
16	2	264833	Hose Clamp
17	1	266199	Mounting Bracket, Top LH
18	1	266200	Mounting Bracket, Top RH
19	1	266195	Mounting Bracket, LH
20	1	266196	Mounting Bracket, RH
21	1	264886	Relief Valve, Single
	1	264887	Relief Valve Cartridge Only
22	1	295014	Female Swivel, 3/4 JIC x 3/4 O-Ring
23	3	295039	Straight Thread Elbow, 3/4 JIC x 3/4 O-Ring
24	1	295090	Male Pipe Elbow, 3/4
25	1	295091	Reducer Bushing, 1 1/4 x 3/4 NPT
26	1	295057	Branch Tee, 3/4 JIC X 3/4 O-Ring
27	1	290115	King Nipple, 2"
28	1	266213	Elbow, 90°
29	1	266211	Hydraulic Pump
30	1	980210	Bushing, P1-1 1/4
31	2	980513	Sprocket, 60P 20 Tooth
32	2	265393	Split Flange
33	1	290357	Bushing, P1-1 3/4
34	19 Links	980910	Roller Chain, Dbl Strand, RC60-2
35	1	266593	Pump Support
36	2	-----	Socket Head Cap Screw, 1/2-13 x 1 1/2
	2	-----	Socket Head Cap Screw, 1/2-13 x 3 1/4
	1	266214	O-Ring, 2 ¼ OD x .12 Dia
37	1	295006	Pipe Plug, 1/4-18



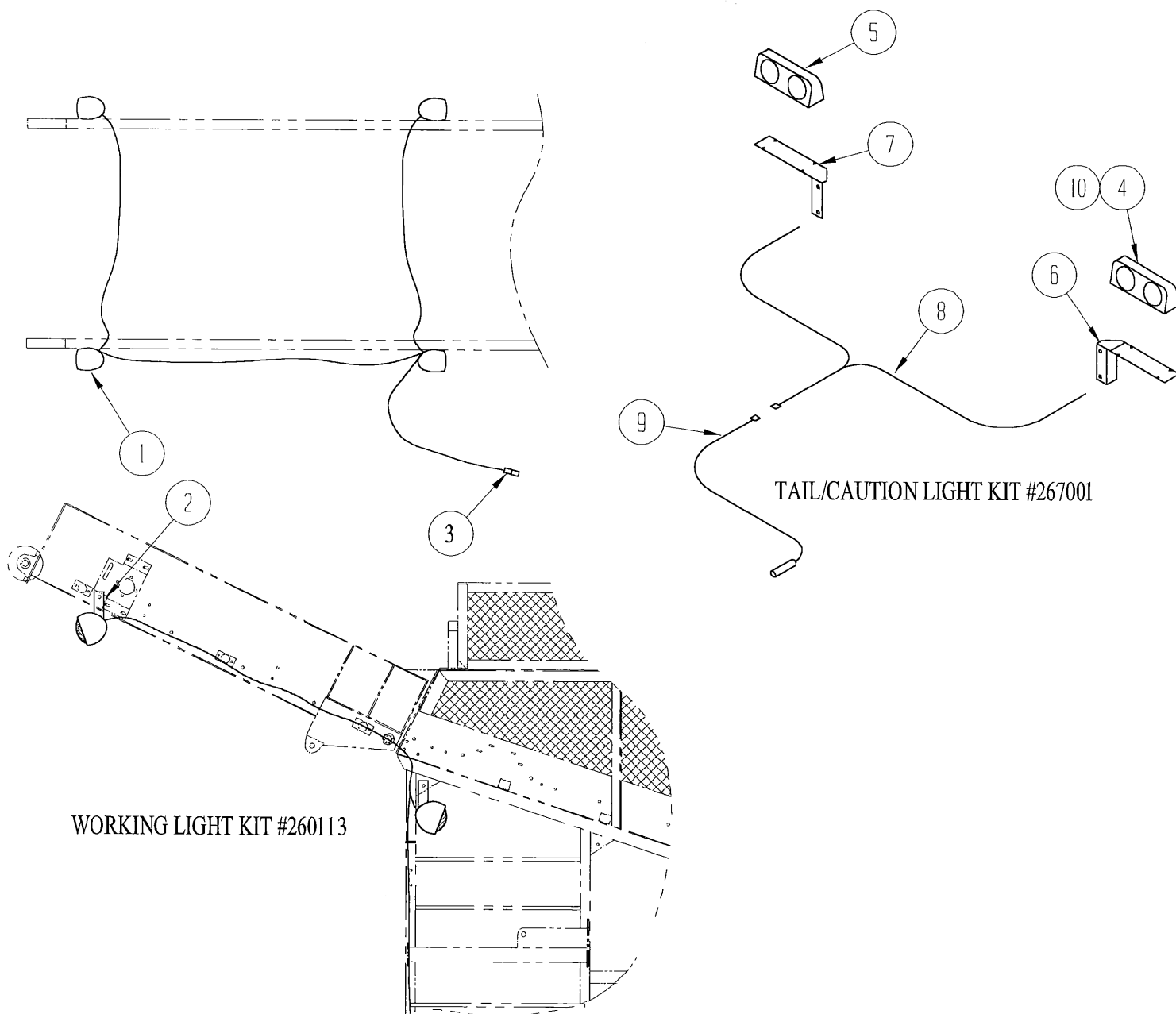
OIL RESERVOIR ASSEMBLY
(SELF CONTAINED HYDRAULIC OPTION)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	266204	Oil Reservoir
2	1	290115	King Nipple, 2"
3	1	264071	Ball Valve, 2"
4	1	-----	Pipe Nipple, 2" NPT
5	1	264069	Suction Strainer
6	1	250117	Filter Cap Assembly
7	1	-----	Street Ell, 1 1/4 x 90
8	1	290330	Filter and Head Assembly
	1	290199	Filter Element Only, 10 Micron
9	1	-----	Pipe Nipple, 1 1/4" NPT
10	1	264721	Manifold
11	1	267011	Access Lid



HOSE & LINE SPECIFICATIONS
(SELF CONTAINED HYDRAULIC OPTION)

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1		Hydraulic Hose, 3/4 100R1 x 91 w/ 10643-12-12 & 13943-12-12 Ends
2	1		Hydraulic Hose, 3/4 100R1 x 76 w/ 10643-12-12 & 13943-12-12 Ends
3	1		Hydraulic Hose, 3/4 100R1 x 16 w/ 10643-12-12 Ends
4	1		Hydraulic Hose, 3/4 100R1 x 40 w/ 10643-12-12 Ends
5	1		Hydraulic Hose, 3/4 100R1 x 88 w/ 10343-12-12 Ends
6	1		Hydraulic Hose, 3/4 100R1 x 76 w/ 10643-12-12 & 10143-12-12 Ends
7	1		Hydraulic Hose, 3/4 100R1 x 89 w/ 10643-12-12 Ends
8	2		Tube Assembly, 3/4 x 50
9	3	295095	Union Elbow, 3/4 JIC
10	1	295097	Union Tee, 3/4 JIC
11	1		Tube Assembly, 3/4 x 17
12	1		Tube Assembly, 3/4 x 22 ½

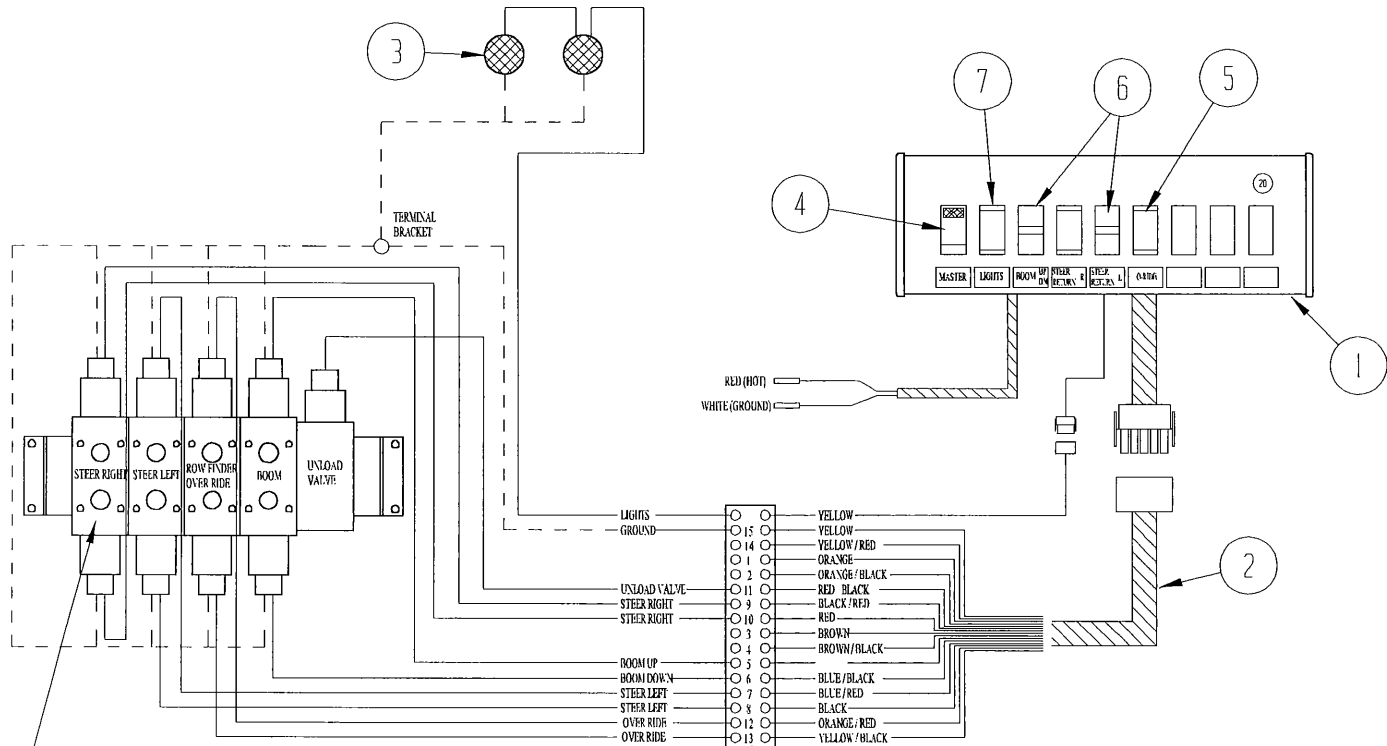


LIGHTING KITS

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	3	265337	Light Assembly
2	3	250111	Mounting Bracket
3	1	999748	Connector, 2 Prong
4	1	521271	Dual Light, LH
5	1	521272	Dual Light, RH
6	1	266167	Light Bracket, LH
7	1	266168	Light Bracket, RH
8	1	521275	Wishbone Rear Harness
9	1	521274	Straight Harness, 7 Pin
10	4	521277	Light Bulb #1157

SWITCH BOX 15 POSITION CONNECTOR PIN NUMBERS/COLORS

PIN#	COLOR	FUNCTION	PIN#	COLOR	FUNCTION
1	ORANGE	NOT USED	9	BLACK/RED	STEER RIGHT
2	ORANGE/BLK	NOT USED	10	RED	STEER RIGHT
3	GREEN	NOT USED	11	RED/BLACK	UNLOAD VALVE
4	BROWN/BLK	NOT USED	12	ORANGE/RED	OVER RIDE
5		BOOM UP	13	YELLOW/BLK	OVER RIDE
6	BLUE/BLK	BOOM DOWN	14	BLACK/WHITE	NOT USED
7	BLUE/RED	STEER LEFT	15	YELLOW	GROUND
8	BLACK	STEER LEFT			

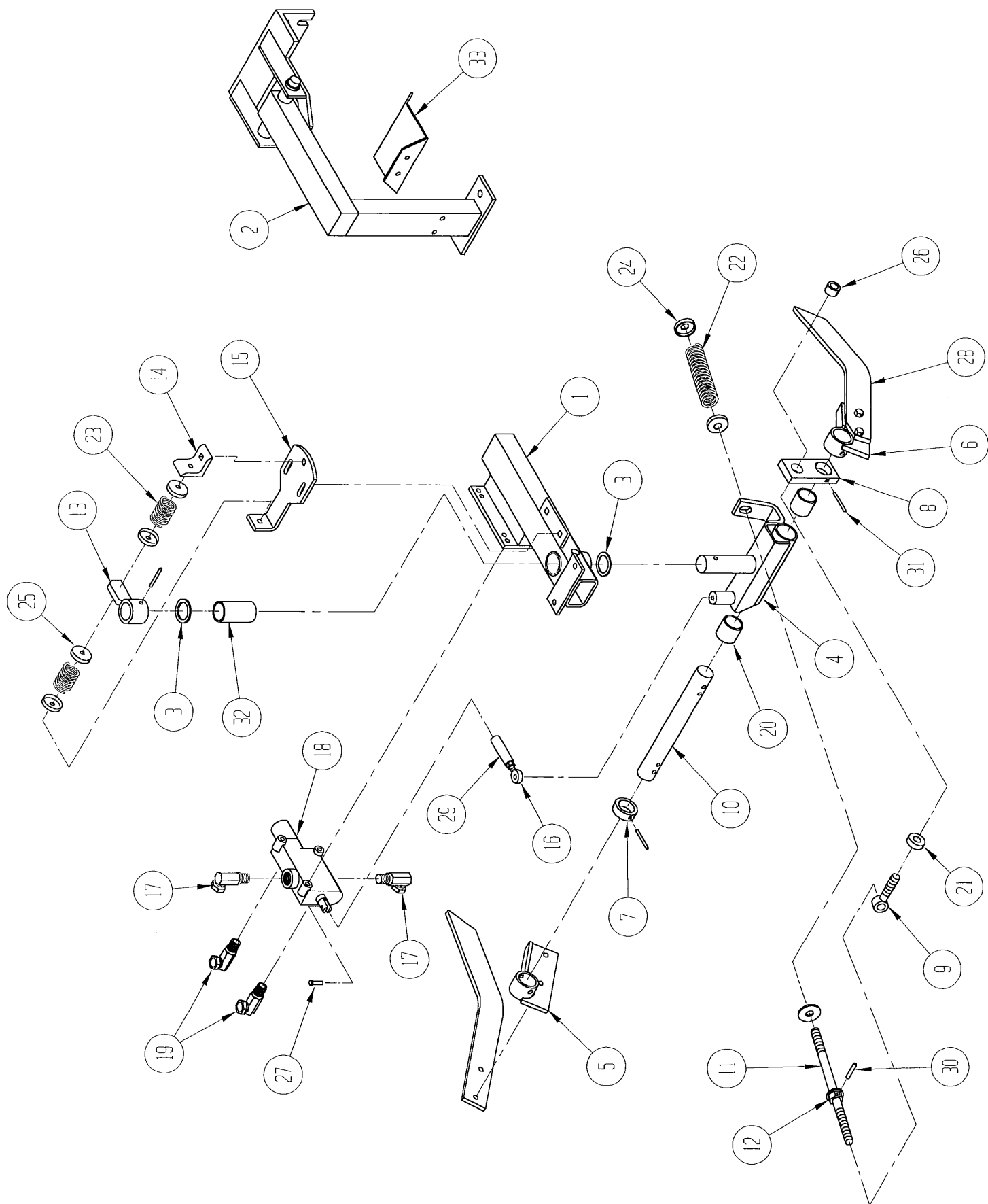


NOTE: WHEN RETURN TO STRAIGHT STEERING IS NOT USED, THIS VALVE IS ELIMINATED.

THESE NUMBERS SHOULD CORRESPOND WITH THE PIN NUMBER FUNCTIONS IN THE ABOVE CHART. THE COLORS MAY VARY.

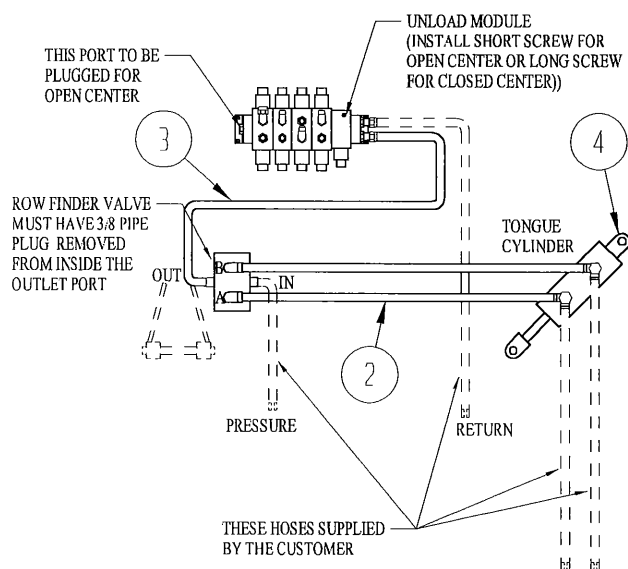
WIRING SCHEMATIC

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	264543	Switch Box
2	1	264546	15 Wire Cable
3	1	-----	Light Kit
4	1	264895	Master Switch
5	2	264896	Momentary Switch
6	2	265357	Toggle Momentary Switch
7	1	264897	On-Off Switch

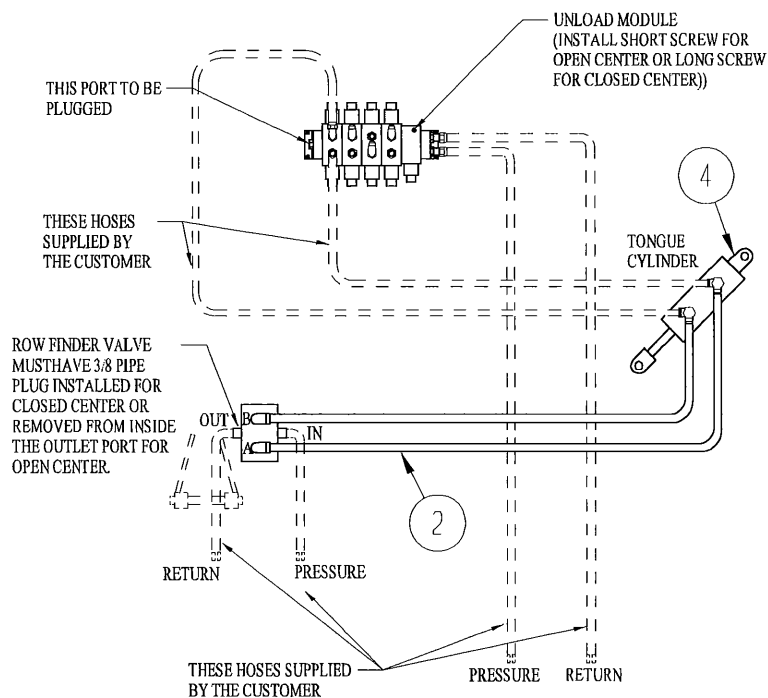


ROW FINDER ASSEMBLY
(#266464)

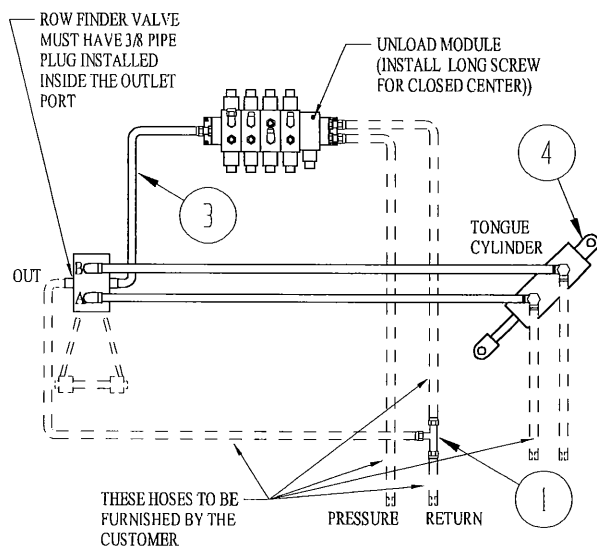
ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	266468	Row Finder Body
2	1	267152	Mounting Arm
3	1	998423	Shim
4	1	998236	Control Arm
5	1	998227	Collar (RH)
6	1	998225	Collar (LH)
7	1	998210	Set Collar
8	1	998211	Link Arm Plate
9	1	998607	Rod End Take-up Bolt
10	1	998212	Guide Arm Shaft
11	1	998487	Tension Bolt
12	1	998492	Adjusting Nut
13	1	998484	Control Arm Headpiece
14	1	998490	Tension Plate Bracket
15	1	998483	Tension Plate
16	1	300082	Male Rod End
17	2	295098	Swivel Elbow, 90° X 3/4 Male x 3/8 Female Pipe
18	1	903018	Control Valve
19	2	295099	Swivel Elbow, 90° X 1/2 Male x 3/8 Female Pipe
20	2	890020	Sleeve Bearing
21	1	998214	Spacer
22	1	998494	Compression Spring
23	2	998493	Compression Spring
24	2	890358	Expansion Plug
25	4	890357	Expansion Plug
26	1	998215	Bushing
27	1	-----	Roll Pin 3/16 x 1
28	2	998224	Fin
29	1	998228	Valve Take-up Bracket
30	1	-----	Roll Pin 1/4 x 1 1/2
31	3	-----	Roll Pin 5/16 x 2
32	1	998230	Bushing
33	1	267156	Cover



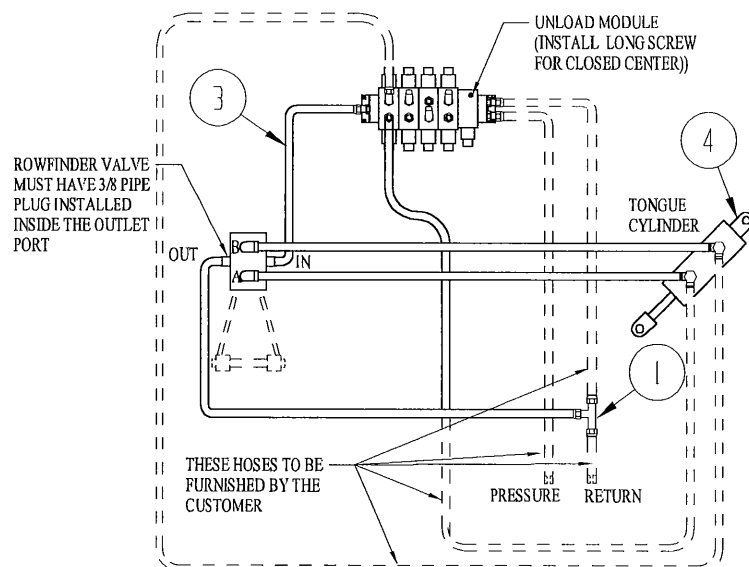
OPEN CENTER HYDRAULICS
PLUMBING USING TRACTOR VALVE OVERRIDE



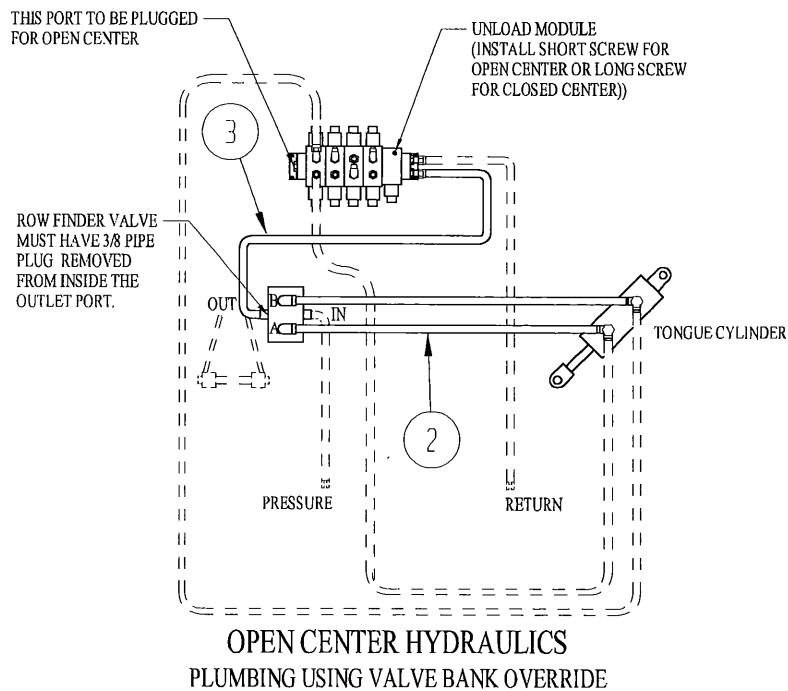
OPEN & CLOSED CENTER HYDRAULICS
PLUMBING USING TRACTOR POWER BEYOND
AND VALVE BANK OVER RIDE



CLOSED CENTER HYDRAULICS
PLUMBING USING TRACTOR VALVE OVERRIDE



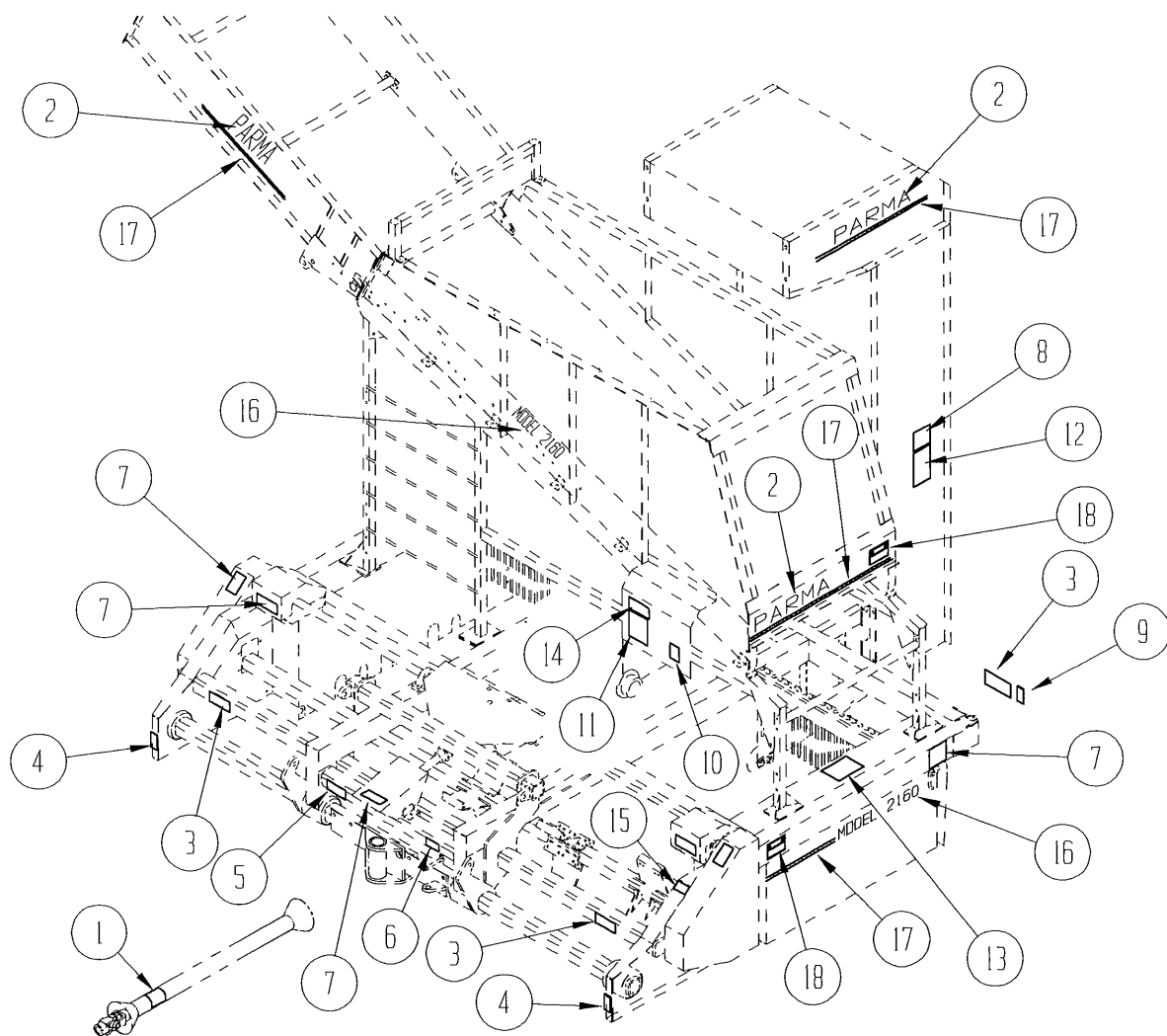
CLOSED CENTER HYDRAULICS
PLUMBING USING VALVE BANK OVERRIDE



NOTE:
ALL UNIDENTIFIED HYDRAULIC HOSES
ARE TO BE FURNISHED BY THE CUSTOMER.

HYDRAULICS FOR ROW FINDER OPEN/CLOSED CENTERS

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	295047	Union Tee, 1/2 X 1/2 JIC
2	2	902105	Hydraulic Hose, 1/2 x 42 w/ 1/2 Male Pipe Ends
3	1	902107	Hydraulic Hose, 3/8 x 96 w/ 3/8 Male Pipe Ends
4	1	998940	Hydraulic Cylinder 3 1/2 x 8



DECAL GROUP

ITEM NO.	QUANTITY	PART NO.	DESCRIPTION
1	1	990798	Decal, PTO Safety
2	5	264797	Decal, Parma
3	4	100404	Decal, Blocking
4	2	264515	Amber Reflector
5	2	100407	Decal, Safety Chain
6	1	100566	Decal, Maximum Speed
7	6	100409	Decal, Guard in Place
8	2	100311	Decal, Rotating Parts
9	2	264516	Red Reflector
10	1	100423	Decal, FEMA
11	1	100406	Decal, General Cautions
12	1	100746	Decal, Elevator Diagram
13	2	100403	Decal, Grab Roll Caution
14	1	100408	Decal, Hydraulics Pressurized
15	1	100748	Decal, Patent Pending
16	3	266408	Decal, Model 2160
	3	266409	Decal, Model 2180
17	Approx. 30'	264798	Double Stripe Tape
18	2	265933	Decal, Danger Do Not Ride

NOTES

