



PARTS BOOK

HPV4242

MANURE SPREADER

Part #91691

Rev. #08

HSMFG111224

Starting Ser. #522VP42001



TABLE OF CONTENTS

[illegible]



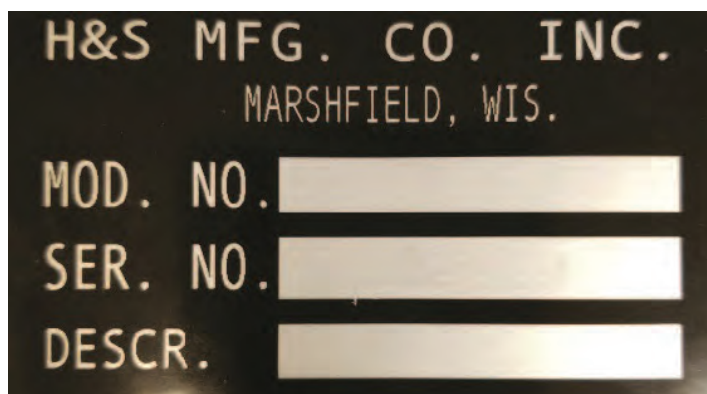
INSTRUCTIONS FOR ORDERING PARTS

All service parts should be ordered through your authorized H&S dealer. Your Dealership will be able to give you faster service if you will provide them with the following:

1. All references to left or right apply to the machine as viewed from the rear.
2. Parts should not be ordered from illustration only. Please order complete part number.
3. If your dealer has to order parts - give shipping instructions:

VIA truck - large pieces (please specify local truck lines)

VIA United Parcel Service (include full address)



MODEL & SERIAL NUMBER LOCATED ON
FRONT, LEFT SIDE OF PTO BEARING SUPPORT MOUNT

PLEASE RECORD NUMBERS FOR YOUR UNIT FOR QUICK REFERENCE

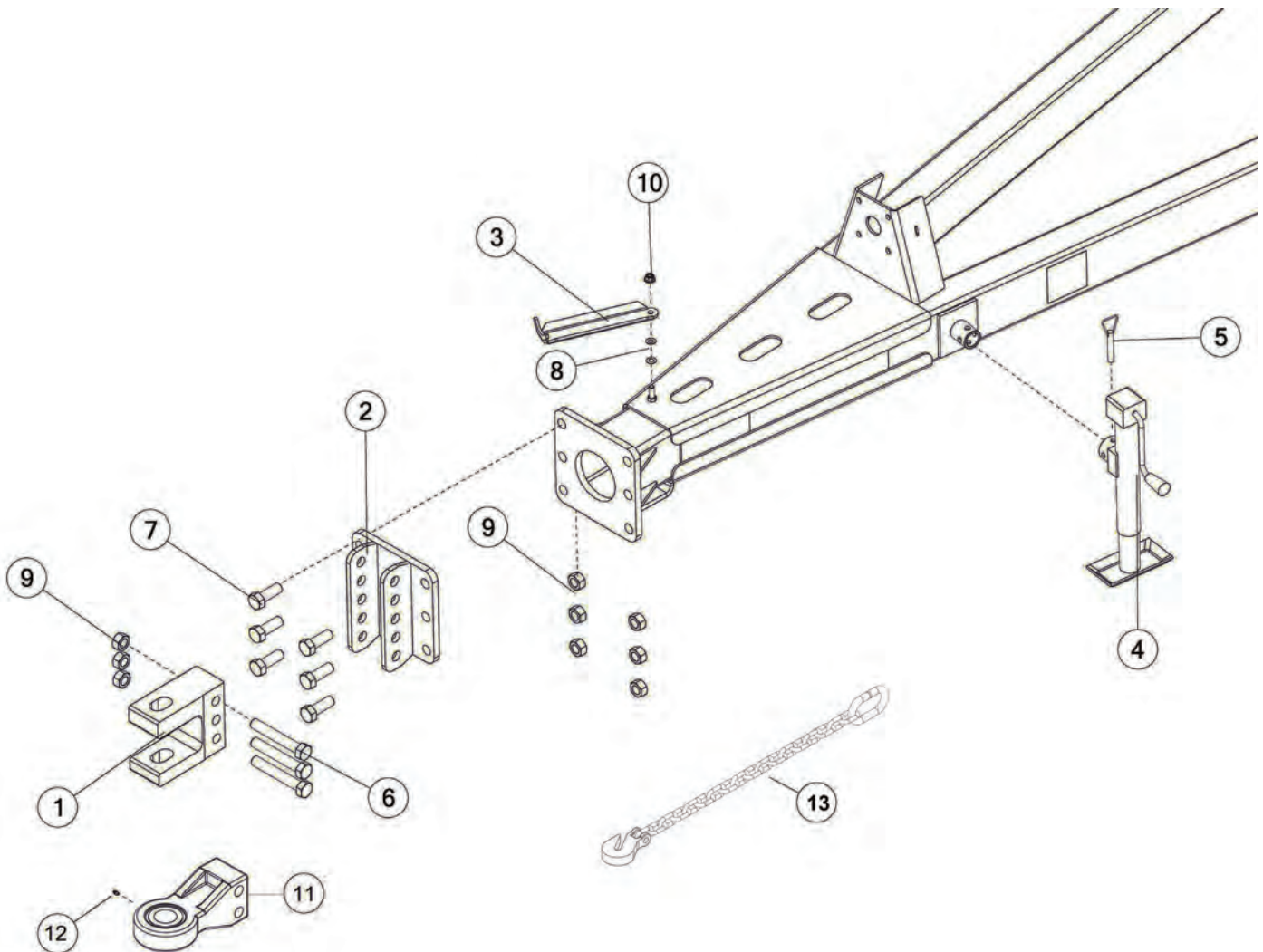
H&S IS CONTINUALLY STRIVING TO IMPROVE ITS PRODUCTS

We must, therefore, reserve the right to make improvements or changes whenever it becomes practical to do so, without incurring any obligation to make changes or additions to the equipment previously sold.





FIGURE 1
HITCH & COMPONENTS





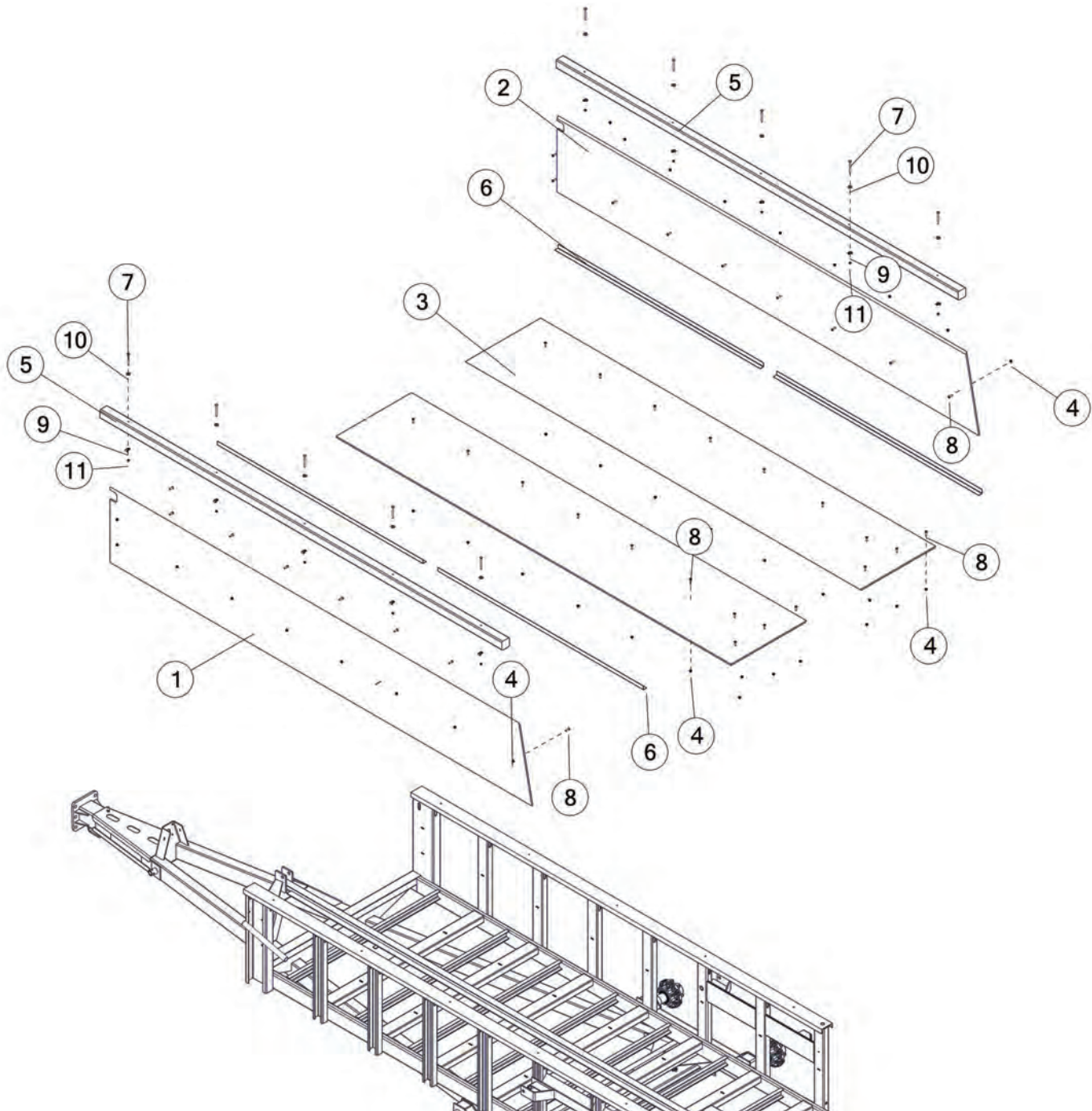




FIGURE 3
PTO SHIELD & COMPONENTS

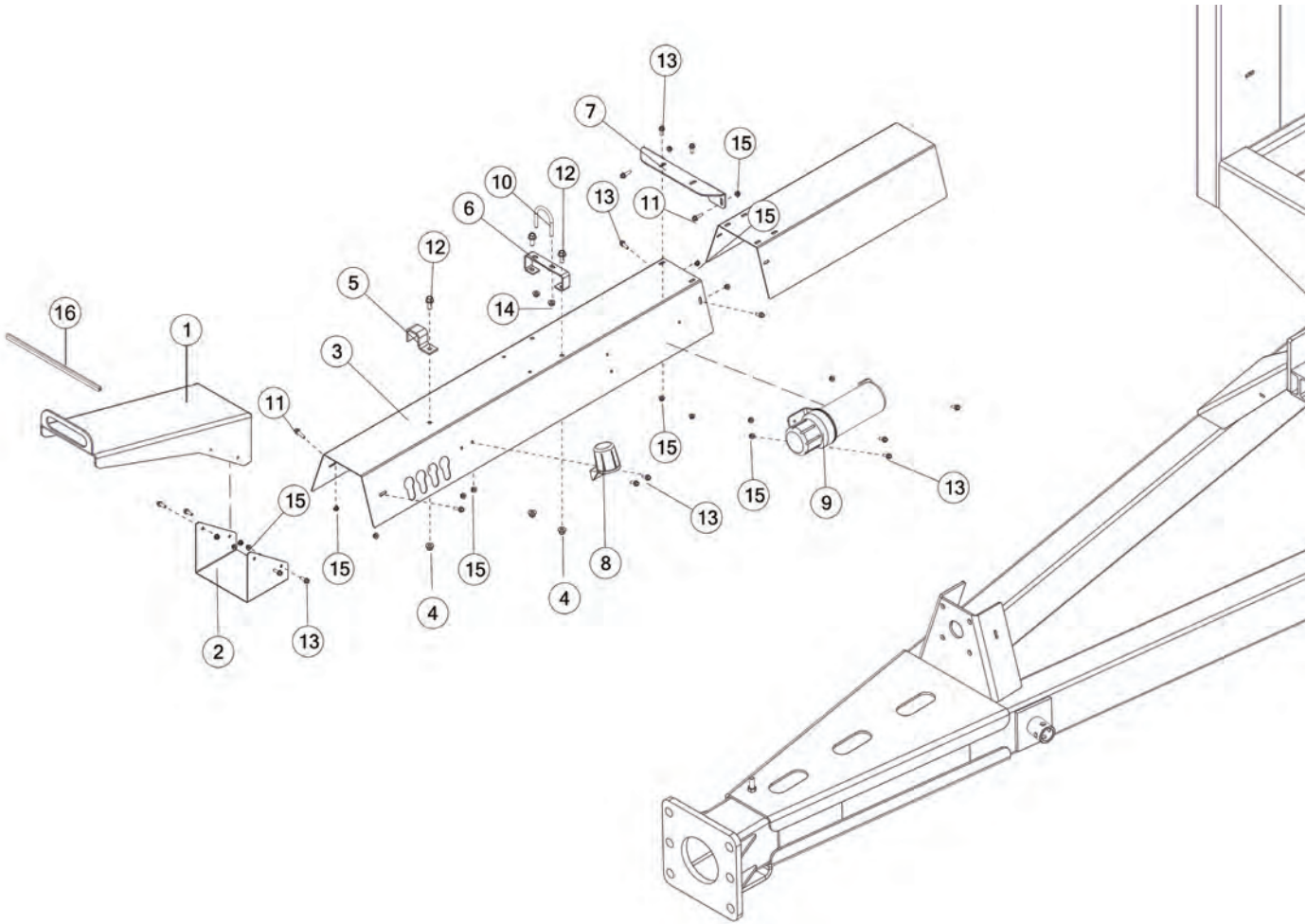
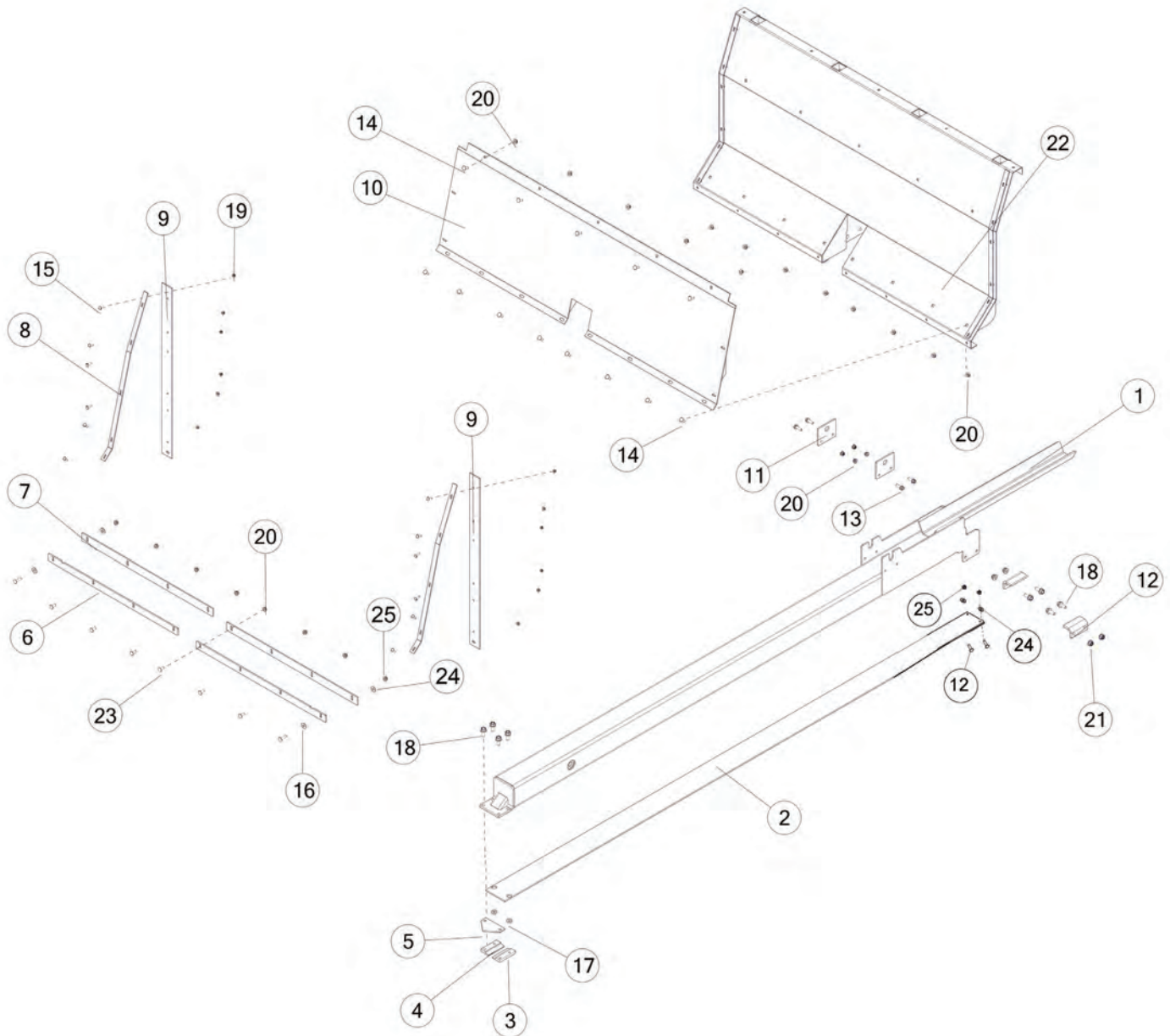




FIGURE 3 PTO SHIELD & COMPONENTS

[illegible]



REF #	PART #	DESCRIPTION	QTY
1	42N74	MOVEABLE FLOOR TUBE	1
2	42N149	PUSHER TUBING SLIDE	1
3	42N78	END CAP CLAMP RIGHT	1
4	42N79	END CAP CLAMP LEFT	1
5	42N151	SCRAPER	1
6	42N139	PUSHER BOTTOM RUBBER	2
7	42N81	PUSHER WIPER	2
8	HGV116	FLAT PUSHER SEAL STRAP	2
9	97383	PUSHER RUBBER	2
10	90090	FLAT PUSHER FACE	1
11	42N77	CYLINDER RETAINER	2
12	42N76	PUSHER TUBE FRONT GUIDE	2
13	YBHH12035	BOLT HEX, 3/8 X 1-1/4 G5	4
14	YBCR12010	BOLT CARRIAGE, 3/8-16 X 1 G5 ZC	13
15	YBCR08005	BOLT CARRIAGE, 1/4-20 X 1 G5 ZC	10
16	YWFL14005	WASHER FLAT, 7/16 USS ZINC	2
17	42N150	POLY SPACER	2
18	YBFB16150	BOLT FLANGE, 1/2 X 1-1/2 G5	8
19	YNFG08010	NUT FLANGE, 1/4 GF	10
20	YNFG12006	NUT FLANGE, 3/8 GF	19
21	YNFG16003	NUT FLANGE, 1/2 GF	4
22	90074	PUSHER FRAME	1
23	YBCR12020	BOLT CARRIAGE, 3/8 X 1-1/4 G5	6
24	YWLO12005	WASHER LOCK, 3/8	4
25	YNHX12005	NUT HEX, 3/8-16 NAA ZC	4





FIGURE 5
PUSHER EXTENSION & COMPONENTS

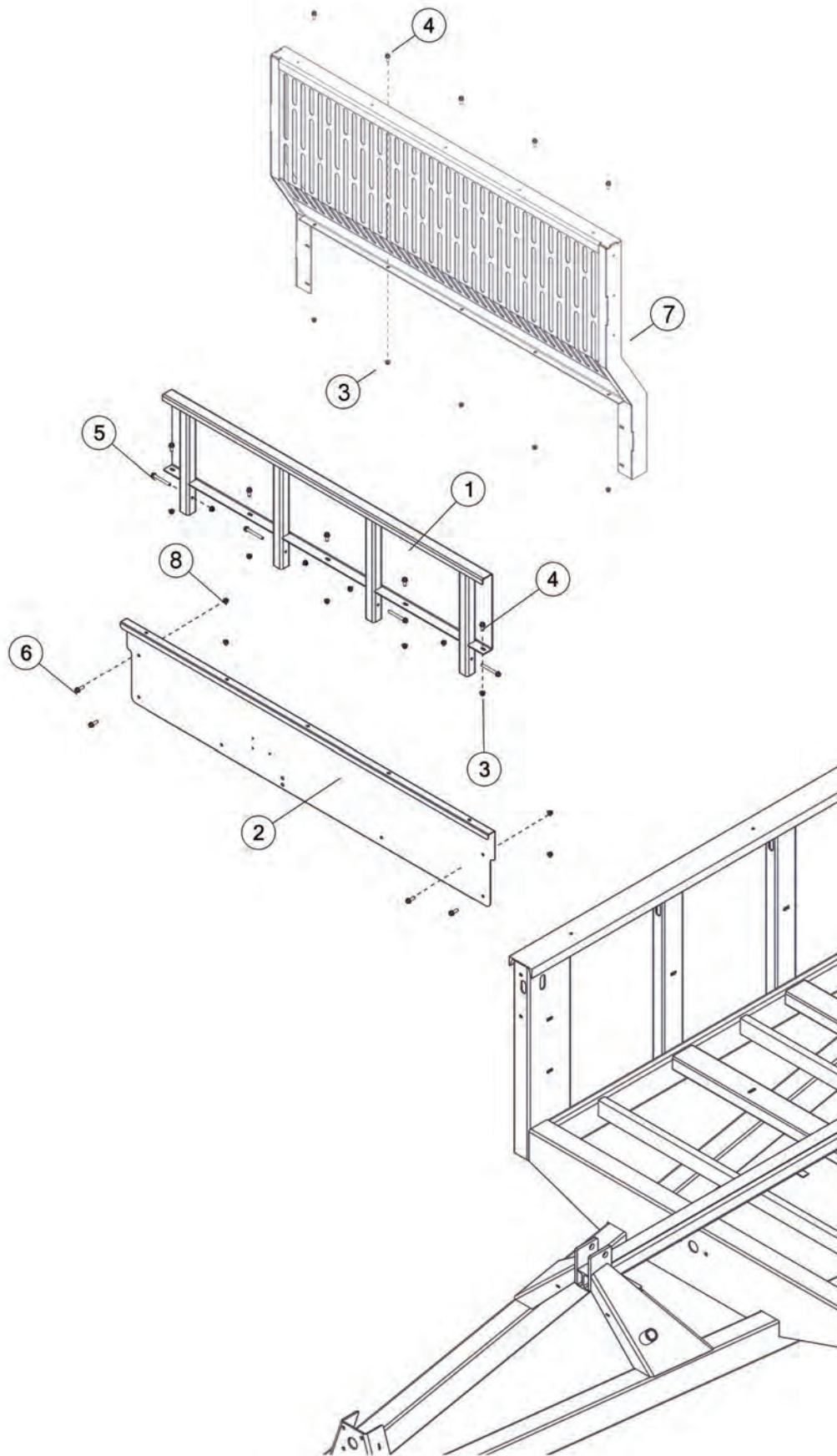




FIGURE 5

[illegible]



FIGURE 6
PUSHER SPACERS & COMPONENTS

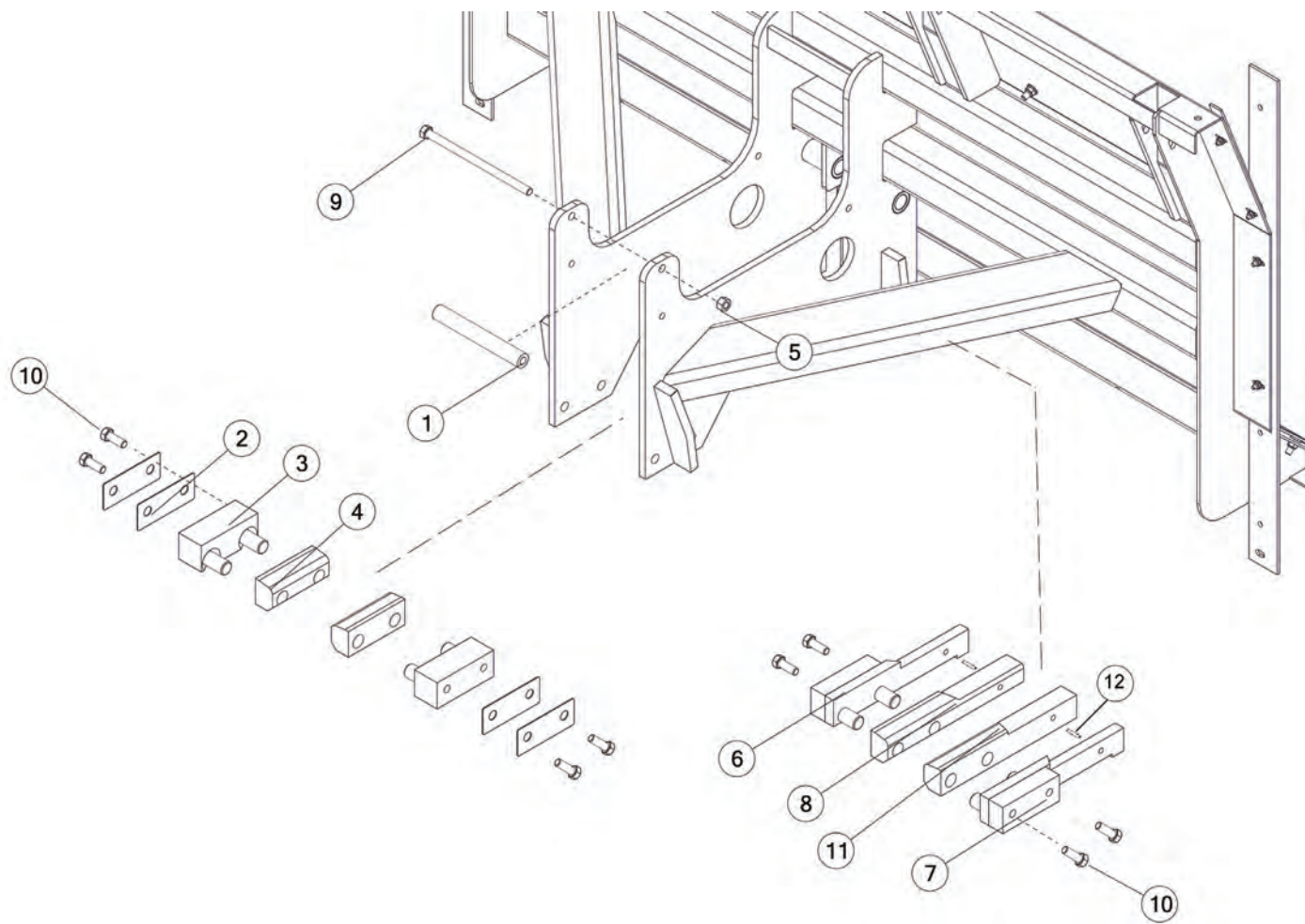




FIGURE 7
GEARBOX DRIVE & COMPONENTS

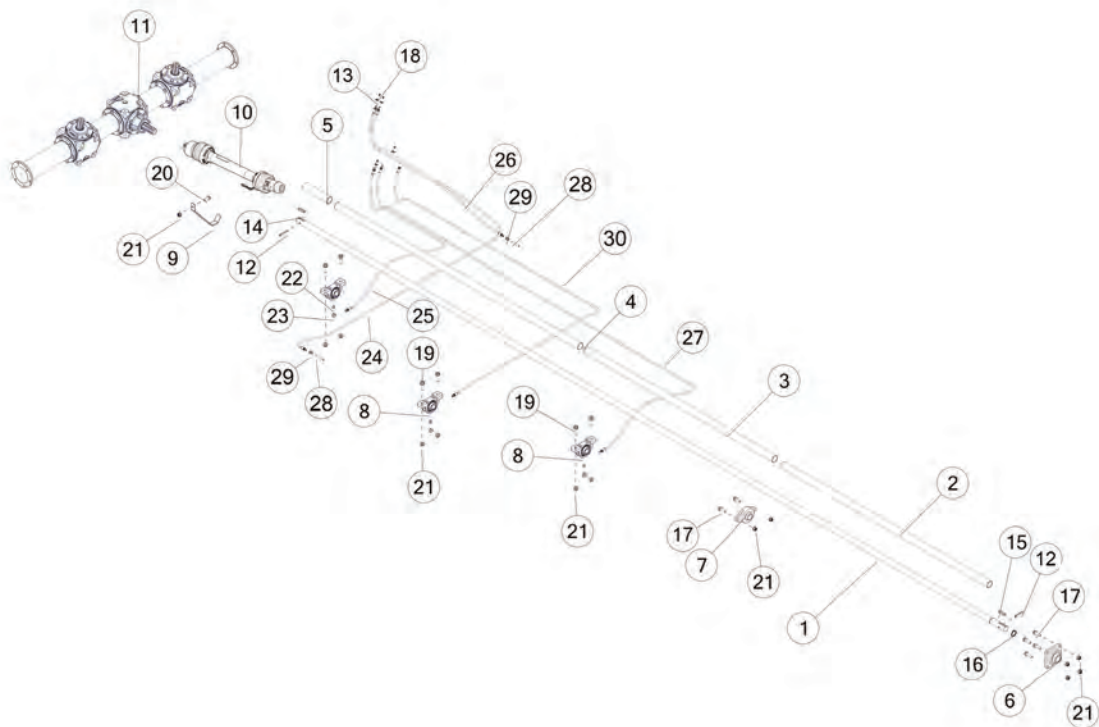




FIGURE 7

GEARBOX DRIVE & COMPONENTS

REF #	PART #	DESCRIPTION	QTY
1	87954	INPUT SHAFT	1
2	42N16	INPUT PVC SHIELD	1
3	42N19	DRIVE SHAFT CENTER PVC SHIELD	1
4	96172	DRIVE SHAFT MIDDLE PVC SHIELD	1
5	96173	DRIVE SHAFT BACK PVC SHIELD	1
6	12V99	BEARING, 5.13 X 1.50 X 2.02, FLANGE	1
7	42N18	PILLOW BLOCK BEARING W/STRAIGHT, 1-1/2	1
8	60659	BEARING	2
9	90511	PTO HOLDER	1
10	99532	COMPLETE PTO 1-3/8 1000 RPM	1
11	93018	VERTICAL BEATER GEARBOX ASSEMBLY	1
*	89999	VERTICAL BEATER GEARBOX ASSEMBLY	1
12	YPEX12025	EXPANSION PIN, 3/8 X 2-3/4	2
13	YNJM04005	NUT JAM, 1/8 A	5
14	PB87	SQUARE KEY, 3/8 X 2	1
15	S138	SQRE KEY, 3/8 X 2-3/8	1
16	12V62	HEAVY DUTY EXTERNAL SNAP RING, 1-1/2	1
17	YBFB16175	BOLT FLANGE, 1/2 X 1-3/4 G5	6
18	G89	STRAIGHT ZERK, 1/4-28	5
19	YBFB16200	BOLT FLANGE, 1/2 X 2 G5	4
20	YBFB16125	BOLT FLANGE, 1/2 X 1-1/4 G5	1
21	YNFG16003	NUT FLANGE, 1/2 GF	11
22	TS323	FITTING STRAIGHT, 1/4-28, 1/8-27NPT	3
23	58453	FITTING, 90, 1/8NPT, 1/8NPT	3
24	89728	GREASE HOSE, 3, 134	1
25	89723	GREASE HOSE, 3, 77	1
26	88909	GREASE HOSE, 3, 66	1
27	89725	GREASE HOSE, 3, 161	1
28	88827	FITTING STRAIGHT, 1/8NPT, 1/8NPT	2
29	66077	NIPPLE, 1/8 MALE PIPE X 2-1/2	2
30	88907	GREASE HOSE, 3, 111	1





FIGURE 8
HYDRAULICS

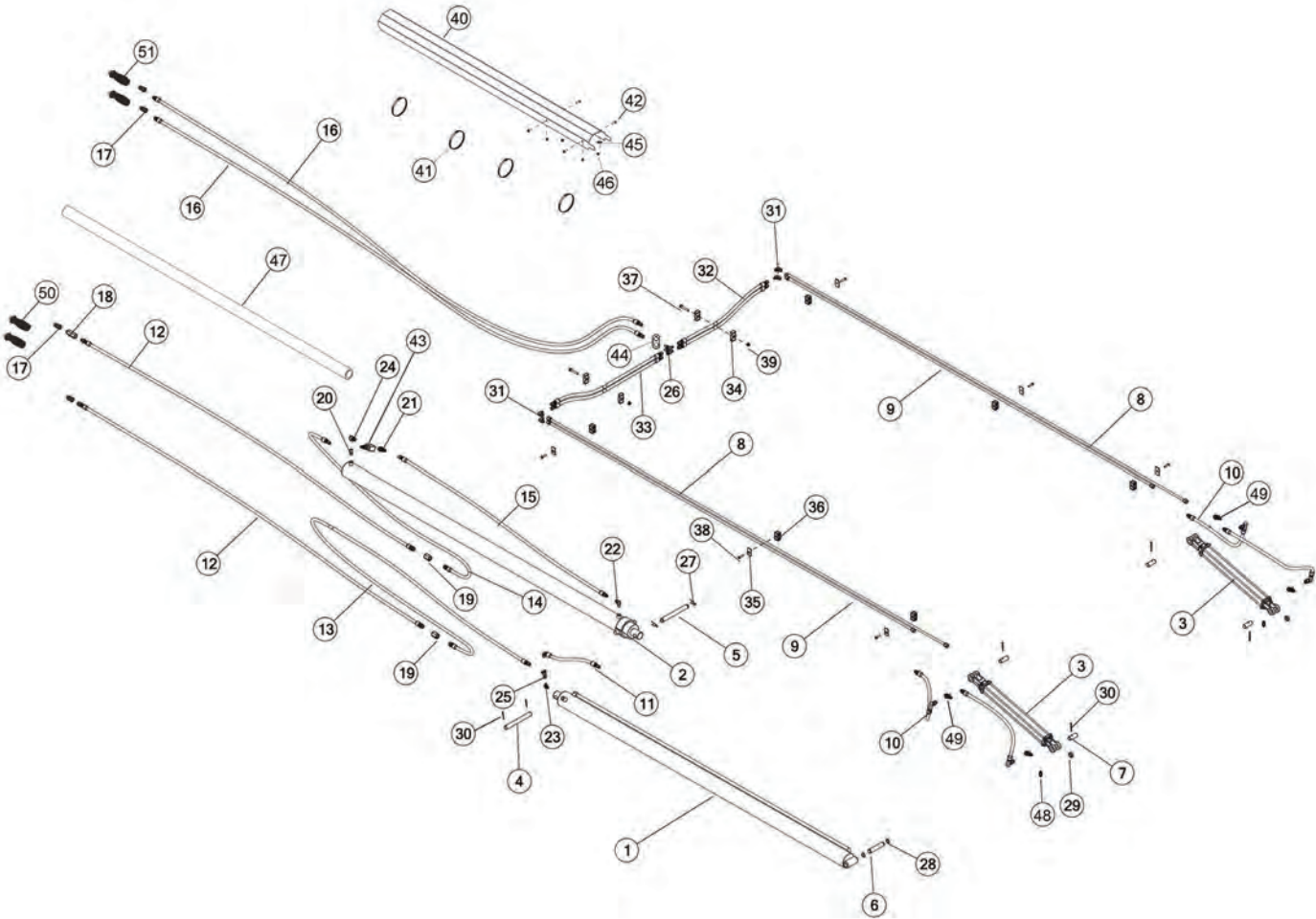




FIGURE 8

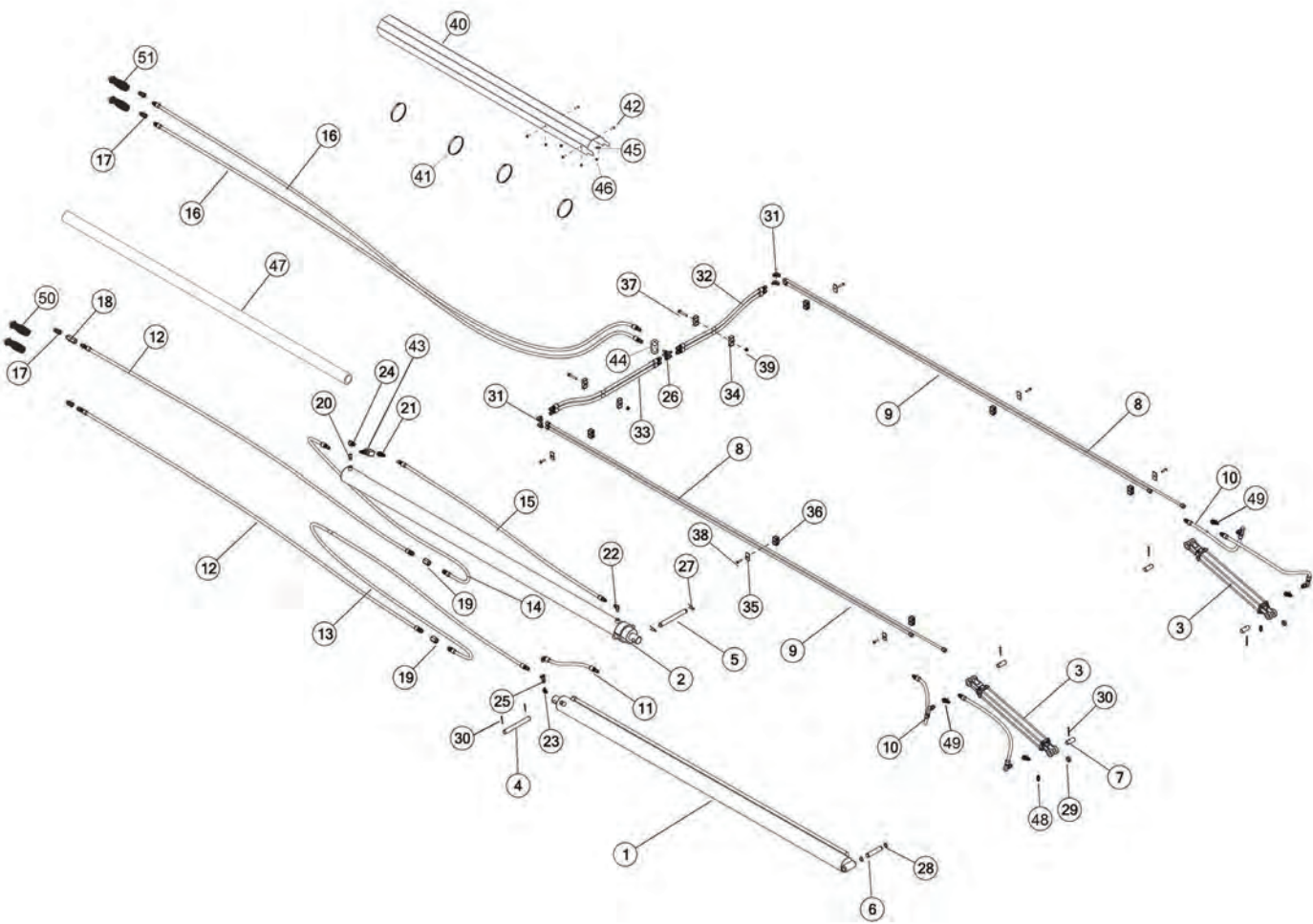
HYDRAULICS

REF #	PART #	DESCRIPTION	QTY
1	42N70	HYDRAULIC CYLINDER, TRUNNION 3-1/2 X 90	1
2	42N69	HYDRAULIC CYLINDER, GIMBAL 3-1/2 X 90	1
3	90970	HYDRAULIC CYLINDER, 2 X 20	2
4	42N71	CYLINDER PIN	1
5	42N72	PUSHER CYLINDER PIN	1
6	42N80	REAR CYLINDER PIN	1
7	56N141	SHAFT, RND, 1.00 X 2.50, PIN, CYLINDER	4
8	90968	HYDRAULIC TUBE, 1/2 X 144	2
9	90969	HYDRAULIC TUBE, 1/2 X 132	2
10	99825	HYDRAULIC HOSE, 6, 36	4
11	89579	HYDRAULIC HOSE, 6, 20	1
12	89588	HYDRAULIC HOSE, 6, 126	2
13	89594	HYDRAULIC HOSE, 6, 164	1
14	89586	HYDRAULIC HOSE, 6, 88	1
15	89581	HYDRAULIC HOSE, 6, 77	1
16	89629	HYDRAULIC HOSE, 6, 182	2
17	67148	FTG, ST, 8ORB, QUICK COUPLER TIP	4
18	89576	HYDRAULIC VALVE, CHECK	1
19	90154	FITTING STRAIGHT, 10ORB, 10ORB	2
20	16SV351	FITTING STRAIGHT, 6NPT X 6NPT	1
21	89574	FITTING T, 6 JIC, 6 JIC, 8 ORB	1
22	CHM164	FITTING, 90, 6JIC X 3/8NPT	1
23	58151	FITTING 45, 3/8JIC, 3/8-18NPTF	1
24	55923	8 ORB TO 3/8 NPTF, 90 DEG	1
25	CHM242	FITTING, TEE, 6JIC X 6JIC X 6JIC	1
26	8005	FITTING TEE, 8JIC X 8JIC X 8JIC, BULKHEAD	2
27	YPHR02020	HAIR PIN, #23-10	2
28	3G21	SNAP RING, 1 HEAVY DUTY	2
29	K132	SPACER, 3/8 LONG	2
30	YPCT05025	COTTER PIN, 5/32 X 2	4
31	58187	FITTING, 8-6 ETX-S	4
32	89635	HYDRAULIC HOSE, 6, 32	2
33	89632	HYDRAULIC HOSE, 6, 45	2
34	86567	DOUBLE CLAMP, UNIVERSAL	4
35	56563	CLAMP TOP PLATE	6
36	TS118	LINE CLAMP BLOCK (PART OF T2008S)	6
37	YBFB12250	BOLT FLANGE, 3/8 X 2-1/2 G5	2
38	56568	CLAMP BOLT, 5/16-18 x 1-3/8	6
39	YNFG12006	NUT FLANGE, 3/8 GF	2





FIGURE 8
HYDRAULICS





-19-



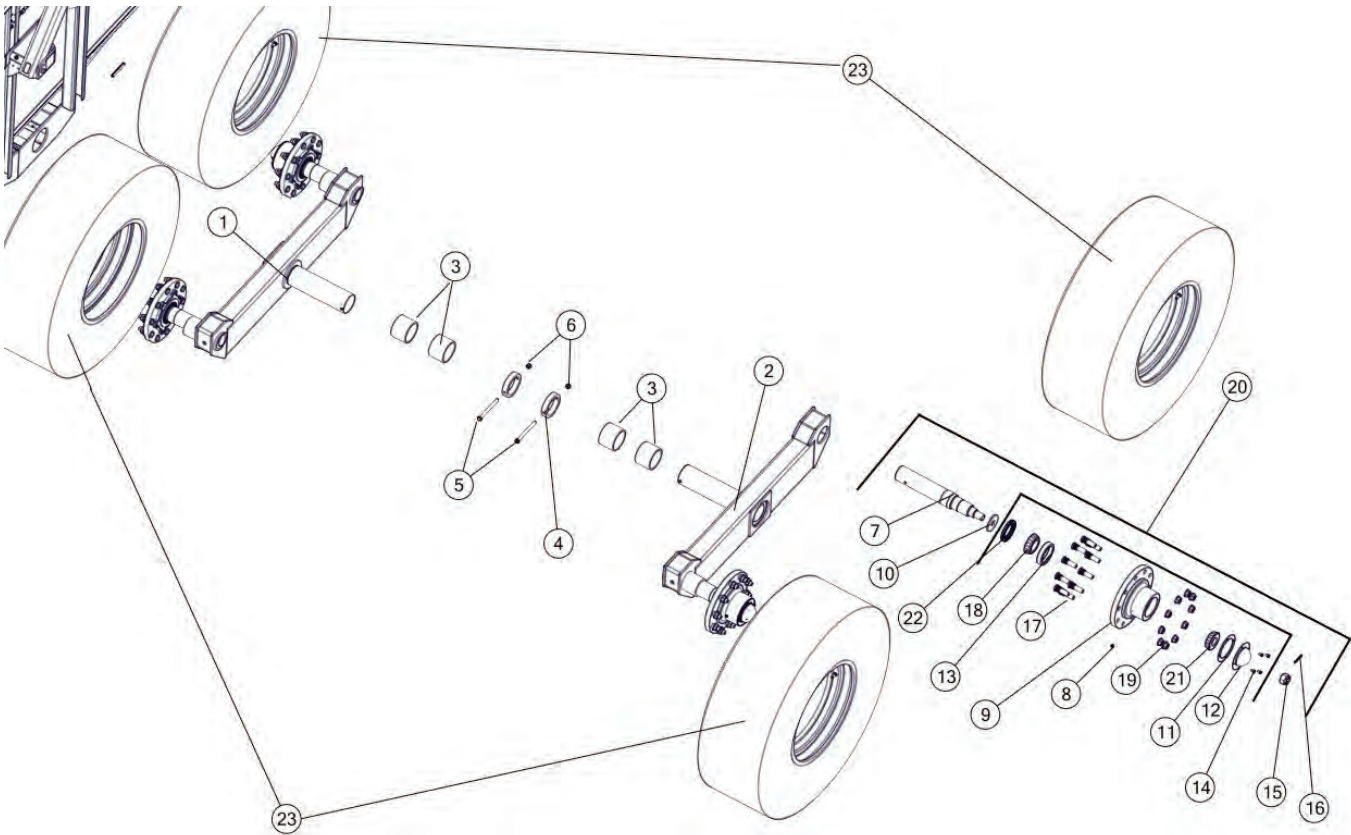




FIGURE 9

TANDEM AXLE AND WHEEL COMPONENTS

REF #	PART #	DESCRIPTION	QTY
1	42N6	TANDEM AXLE LEFT	1
2	42N7	TANDEM AXLE RIGHT	1
3	45N36	POLY BUSHING	4
4	45N35	AXLE KEEPER	2
5	YBHH16160	BOLT, 1/2-13 X 5-1/2 GR 5	2
6	YNNY16005	NUT, HEX, 1/2-13, LKNY, G2, ZC	2
7	YPEX16020	EXPANSION PIN, 1/2" X 4"	4
8	33SV40	SPINDLE, 3 X 17-15/16	4
9	33SV95	SPINDLE WASHER	4
10	54593	INNER RACE	4
11	54475	758 (B) HUB	4
12	RG171	HUB CAP	4
13	YPCT06005	COTTER PIN, 3/16 X 1-1/2	4
14	33SV42	GREASE SEAL	4
15	G89	1/4"-28 STRAIGHT ZERK	4
16	YBSD20010	BOLT STUD, 5/8 X 2-1/2 G8	32
17	YNSL32005	NUT, SLOT, 1-14, NA, G2, NF	4
18	17G149	RACE	4
19	33SV43	TAPERED ROLLER BEARING, 2.25 BORE	4
20	YNWL20005	NUT, WHEEL, 5/8-18, NA, G5, ZC	32
21	TWP425S	(4) 425 X 22.5 USED TRUCK TIRES W/SLVR 8 B RIMS	1
*	90192	ASSEMBLY, TIRE AND WHEEL	4
*	90185	WHEEL, 22.5 X 13.5 8 BOLT SILVER	4
*	16SV88	TIRE, 425 X 22.5	4
*	72438	VALVE STEM, 1-1/2	4
21	TWP19LS	(4) 19L X 16.1 10 PLY TIRES W/SILVER 8 BOLT RIMS	1
*	90193	ASSEMBLY, TIRE AND WHEEL	4
*	90186	WHEEL, W16C-16.1 8 BOLT SILVER	4
*	UR8	19L X 16.1 TIRE	4
*	72437	VALVE STEM, 1.25IN HD	4
21	TWP5508S	(4) 550/45 X 22.5 TIRES W/SILVER 8 BOLT RIMS	1
*	90197	ASSEMBLY, TIRE AND WHEEL, RH	2
*	90187	WHEEL, 22.5 X 16.00 8 BOLT SILVER	2
*	33381	TIRE, 550/45 - 22.5 16PLY FLOATATION	2
*	72437	VALVE STEM, 1.25IN HD	2
*	90198	ASSEMBLY, TIRE AND WHEEL, LH	2
22	17G150	TAPERED ROLLER BEARING, 1.625 BORE	4
23	54476	ASSEMBLY, HUB AND SPINDLE	4





FIGURE 10
ENDGATE & COMPONENTS

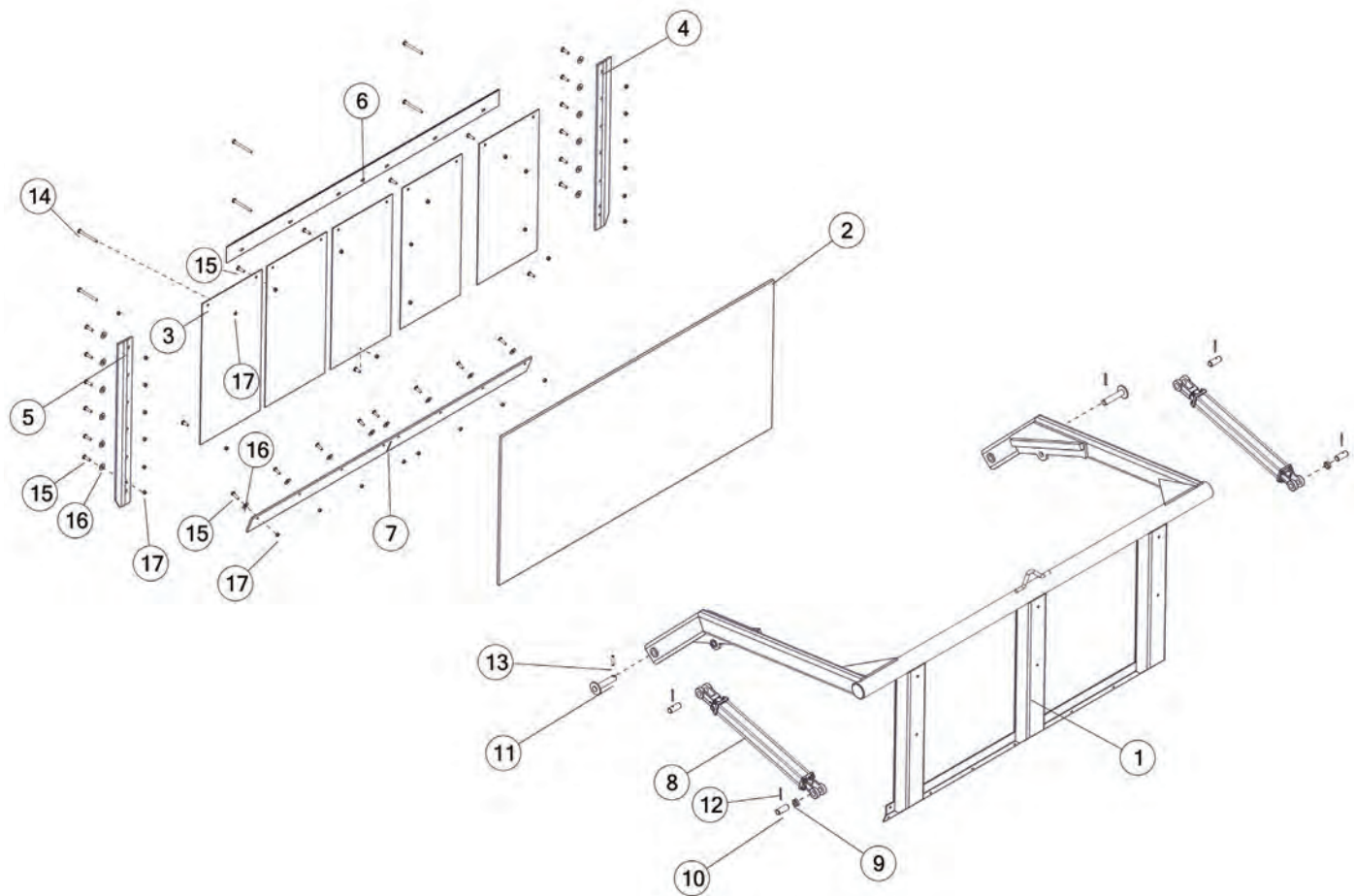




FIGURE 10

ENDGATE & COMPONENTS

[illegible]

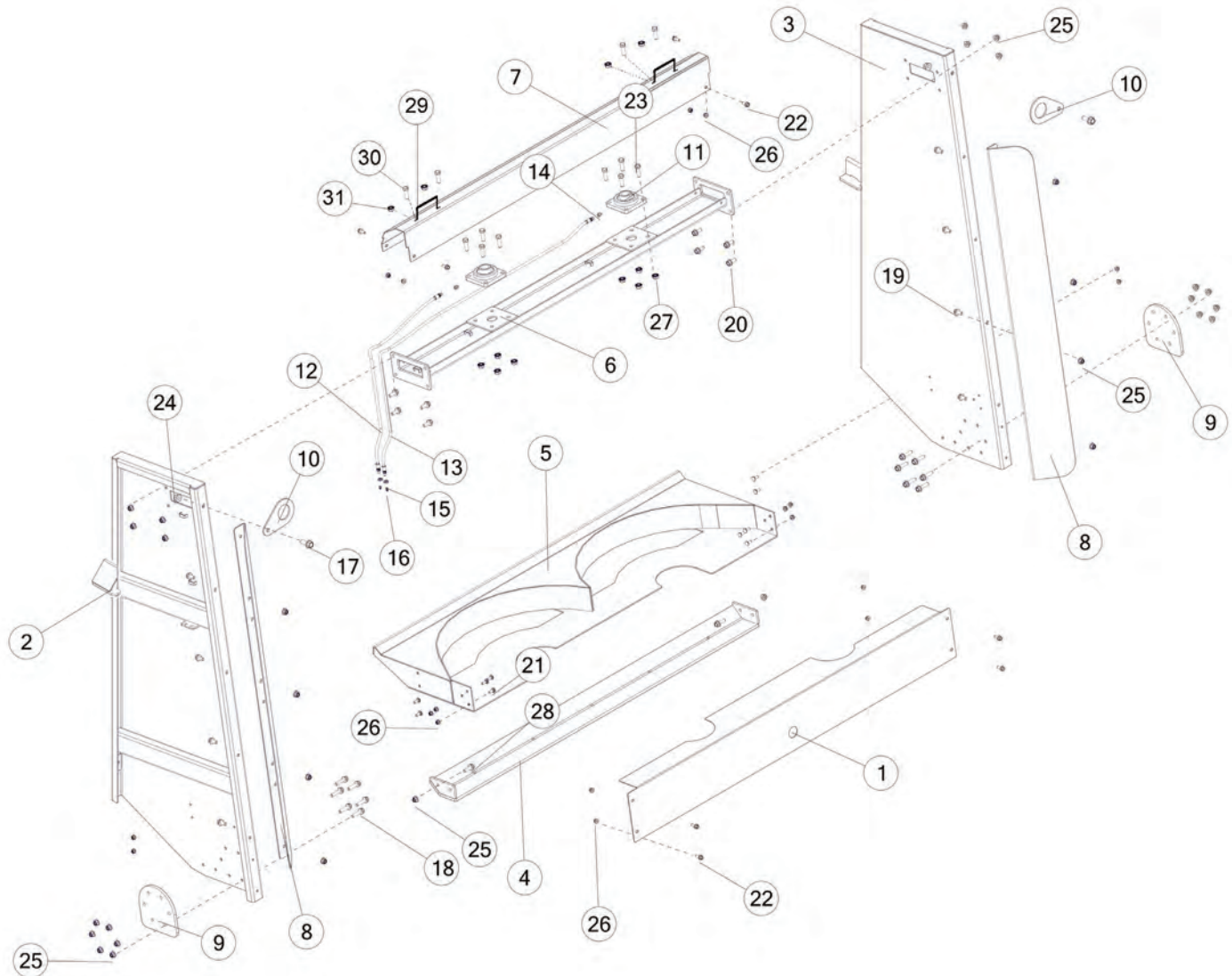




FIGURE 11

BEATER PANELS & COMPONENTS

REF #	PART #	DESCRIPTION	QTY
1	87691	GEARBOX COVER	1
2	88837B	BEATER PANEL W/DECALS LH	1
3	88839B	BEATER PANEL W/DECALS RH	1
4	90870	BEATER SKID PLATE	1
5	87622	BEATER PAN	1
6	87578B	UPPER BEARING MOUNT W/DECALS	1
7	87579B	BEARING SHIELD W/DECALS	1
8	85230	BEATER DEFLECTOR	2
9	87568	BEATER SUPPORT LEG	2
10	HGV50	LIFTING EYE	2
11	12V99	BRG, 5.13 X 1.50 X 2.02, FLANGE	2
12	89739	GREASE HOSE, 3, 45	1
13	89741	GREASE HOSE, 3, 80	1
14	TS323	FITTING STRAIGHT, 1/4-28, 1/8-27NPT	2
15	YNJM04005	NUT, JAM, 1/8 A	2
16	G89	STRAIGHT ZERK, 1/4-28	2
17	YBFB20175	BOLT FLANGE, 5/8 X 1-3/4 G5	2
18	YBHH16065	BOLT HEX, 1/2-13 X 2 G5 ZC	12
19	YBFB16100	BOLT FLANGE, 1/2 X 1 G5	8
20	YBFB16125	BOLT FLANGE, 1/2 X 1-1/4 G5	8
21	YBCR12010	BOLT CARRIAGE, 3/8-16 X 1 G5 ZC	6
22	YBFB12003	BOLT FLANGE, 3/8 X 1 G5	8
23	YBHH18010	BOLT HEX, 9/16 X 1-3/4 G5 ZINC	8
24	YNFG20005	NUT FLANGE, 5/8-11 LKTL F ZC	2
25	YNFG16003	NUT FLANGE, 1/2 GF	22
26	YNFG12006	NUT FLANGE, 3/8 GF	8
27	YNSF18005	NUT FLANGE, 9/16-12 LKSF CH ZC	8
28	YBFB16150	BOLT FLANGE, 1/2 X 1-1/2 G5	2
29	TS96	SHIELD HANDLE	2
30	YBHH08100	BOLT HEX, 1/4 X 3/4 G5	4
31	YNFG08010	NUT FLANGE, 1/4 GF	4



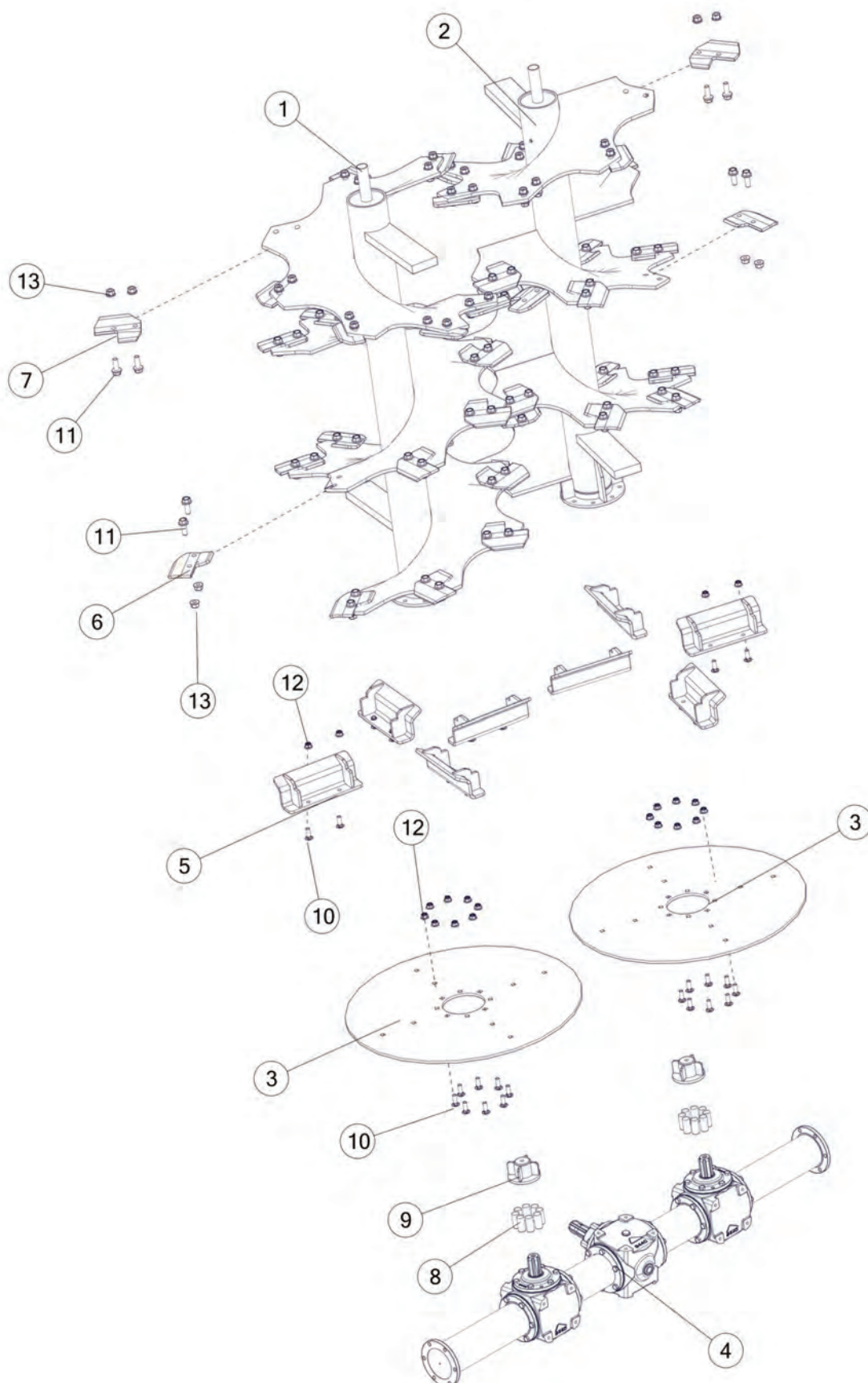




FIGURE 13
LIGHTS

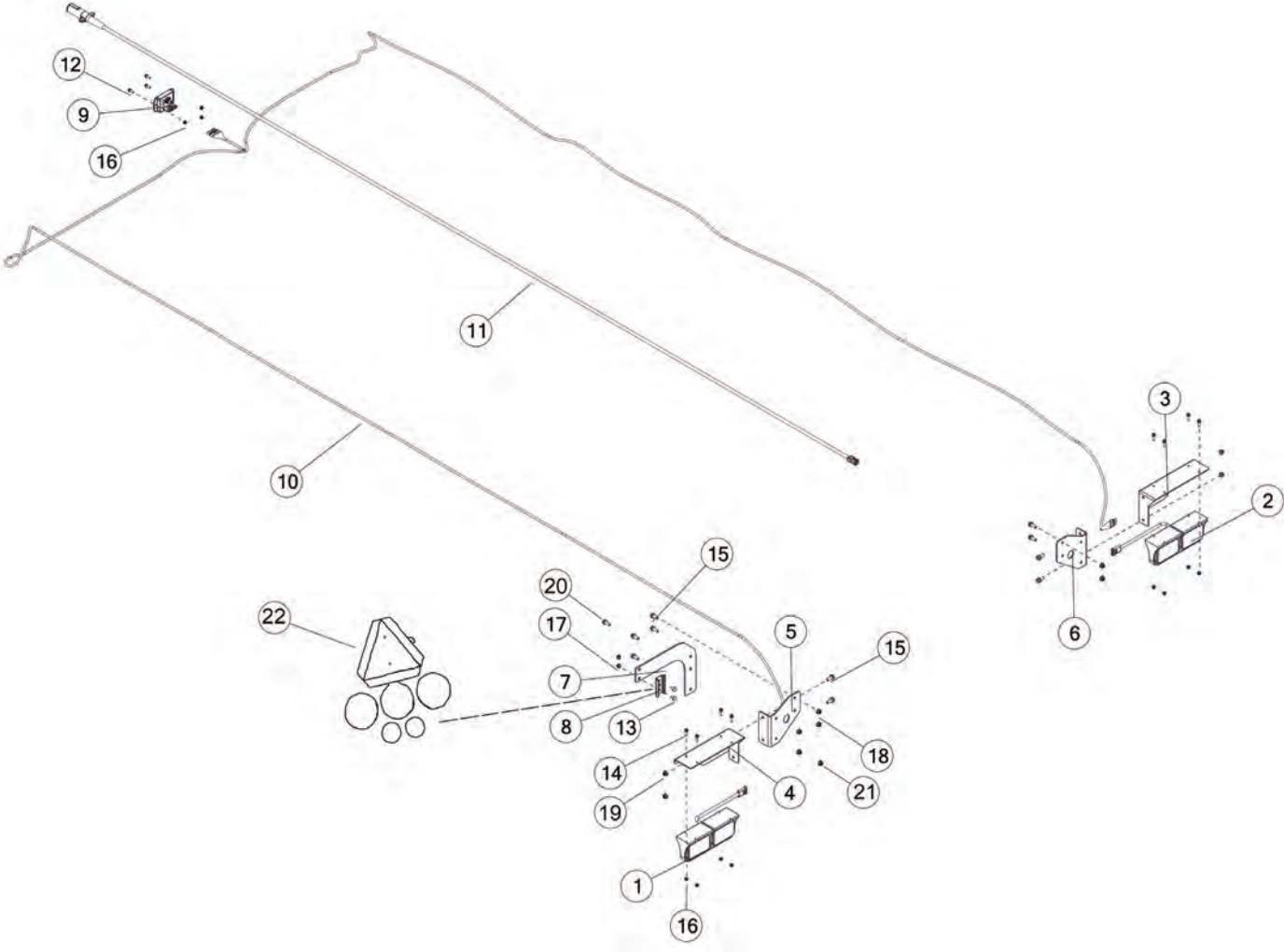




FIGURE 13
LIGHTS

REF #	PART #	DESCRIPTION	QTY
1	TFM71	TAIL LIGHT, LH	1
2	TFM72	LED TAIL LIGHT ASSY, RH	1
3	91758B	LIGHT BRACKET RH W/DECALS	1
4	91757B	LIGHT BRACKET LH W/DECALS	1
5	99752	LIGHT BRACKET MOUNT, LH	1
6	99754	LIGHT BRACKET MOUNT, RH	1
7	92783	SMV BRACKET	1
8	F97	SMV HOLDER	1
9	69908	MODULE, CONTROL, BLINKER	1
10	90927	ELECTRICAL HARNESS, TAILLIGHTS	1
11	94018	WIRE HARNESS	1
12	YBFB08075	BOLT FLANGE, 1/4 X 3/4 G5	3
13	YBCR10030	BOLT CARRIAGE, 5/16-18 X 3/4 G5 ZC	2
14	YBFB08100	BOLT FLANGE, 1/4 X 1 G5	8
15	YBFB16125	BOLT FLANGE, 1/2 X 1-1/4 G5	10
16	YNFG08010	NUT FLANGE, 1/4 GF	11
17	YNFG10005	NUT FLANGE, 5/16 GF	2
18	YNFG12006	NUT FLANGE, 3/8 GF	6
19	YNFG16003	NUT FLANGE, 1/2 GF	9
20	YBFB20150	BOLT FLANGE, 5/8 X 1-1/2 G5	1
21	YNFG20005	NUT FLANGE, 5/8 GG	1
22	88532	SMV, KIT	1





FIGURE 14
VERTICAL BEATER GEARBOX ASSEMBLY
93018

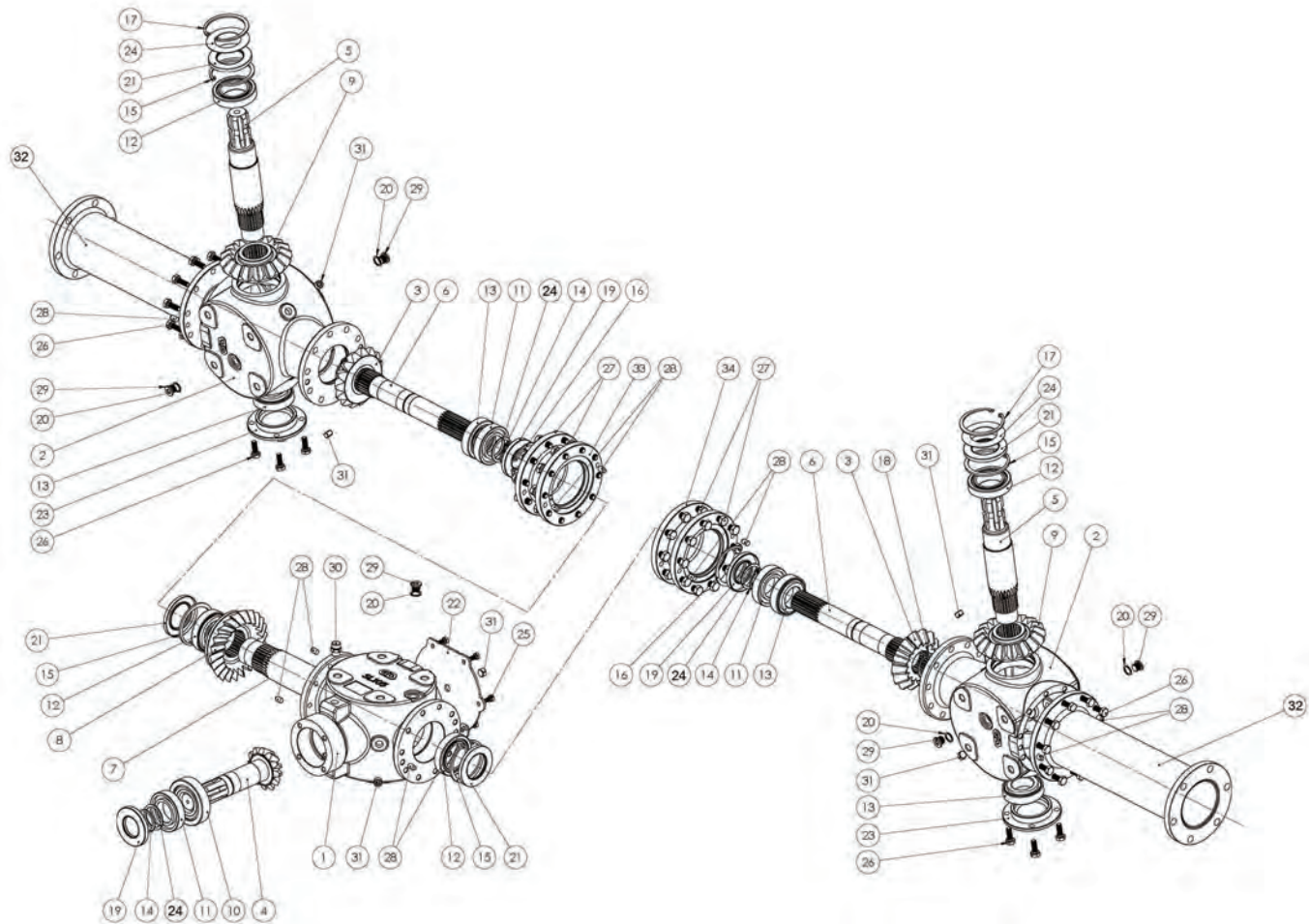




FIGURE 14

VERTICAL BEATER GEARBOX ASSEMBLY

93018

REF #	PART #	DESCRIPTION	QTY
1	92998	CENTER HOUSING	1
2	92999	OUTER HOUSING	2
3	93086	GEAR	2
4	93011	INPUT SHAFT	1
5	93012	OUTPUT SHAFT	2
6	93090	SHAFT	2
7	93080	CENTRAL SHAFT	1
8	93079	CROWN GEAR	1
9	93085	CROWN GEAR	2
10	93969	BEARING	1
11	93009	BEARING	3
12	93082	BEARING	4
13	93081	BEARING	4
14	93013	SNAP RING	3
15	93083	SNAP RING	4
16	93087	SNAP RING	2
17	93005	SNAP RING	2
18	93091	SNAP RING	2
19	93015	SEAL	3
20	93017	SEAL	6
21	93006	COVER	4
22	93010	COVER PLATE	1
23	93008	BASE PLATE	2
24	93007	SHIM KIT	3
25	YBHH74016	BOLT HEX, M8-1.25 X 16 8.8 ZC	6
26	YBHH76030	BOLT HEX, M10-1.5 X 30 8.8 ZC	28
27	YBHH78015	BOLT HEX, M12-1.75 X 30 8.8 ZC	40
28	93016	PIN	12
29	93003	OIL PLUG	6
30	93002	BREATHER	1
31	93004	OIL PLUG	8
32	93000	OUTER SUPPORT	2
33	93001	CENTER SUPPORT, RH	1
34	93976	CENTER SUPPORT, LH	1





FIGURE 14
VERTICAL BEATER GEARBOX ASSEMBLY
89999

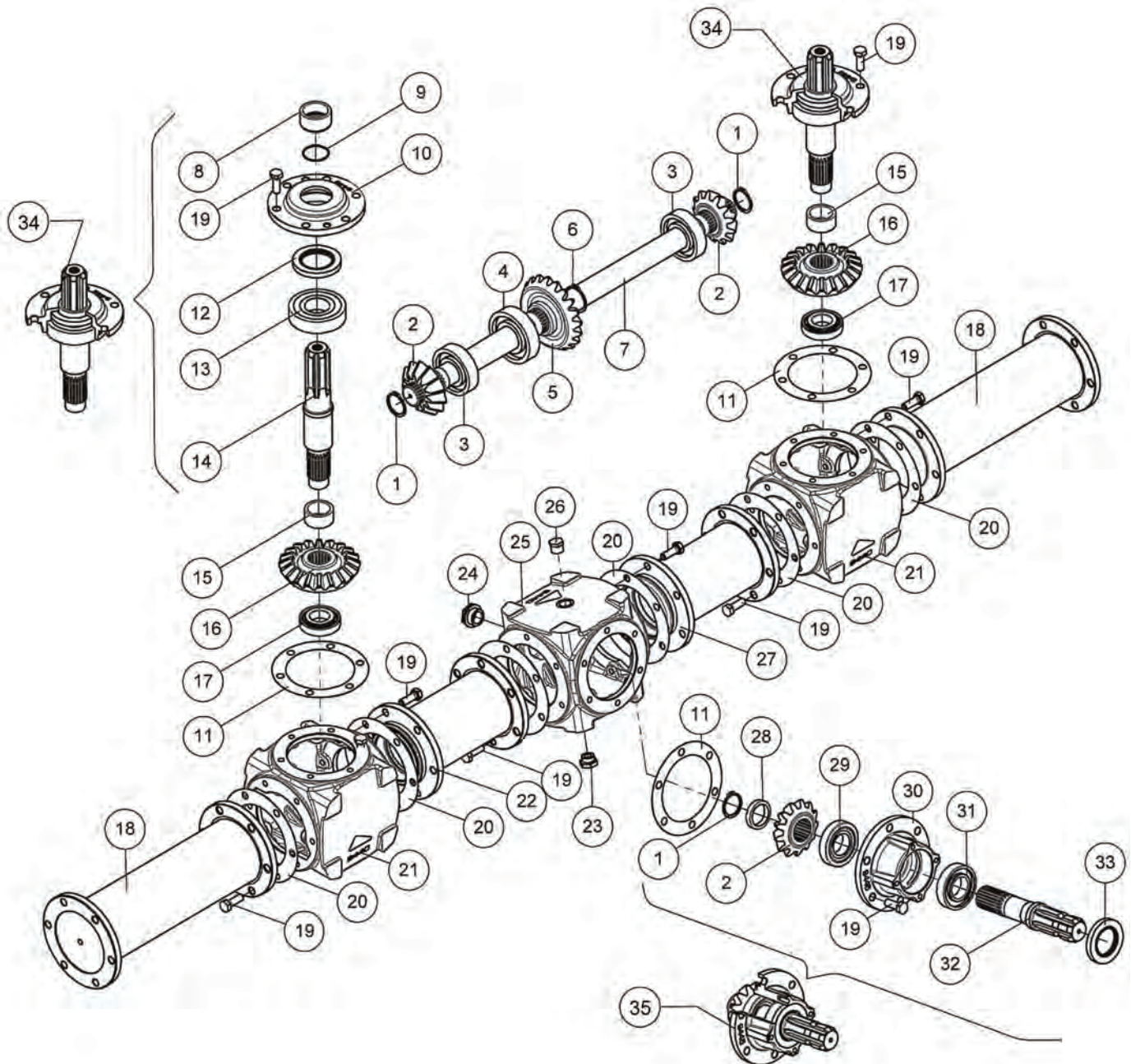




FIGURE 14

VERTICAL BEATER GEARBOX ASSEMBLY

89999

REF #	PART #	DESCRIPTION	QTY
1	89837	SNAP RING	3
2	89838	GEAR	3
3	89839	BEARING	2
4	89840	BEARING	1
5	89841	GEAR	1
6	89842	SNAP RING	1
7	89843	SHAFT	1
8	89844	SPACER	2
9	89845	O RING	2
10	89846	FLANGE	2
11	89847	GASKET	3
12	89848	SEAL	2
13	89849	BEARING	2
14	89850	SHAFT	2
15	89851	SPACER	2
16	89852	GEAR	2
17	89853	BEARING	2
18	89854	SPACER	2
19	89855	BOLT HEX, M12 X 35	54
20	89856	GASKET	6
21	89857	HOUSING	2
22	89858	HOUSING SPACER, RH	1
23	89859	OIL PLUG	1
24	89860	SIGHT GLASS	1
25	89861	CENTRAL HOUSING	1
26	89862	BREATHER PLUG	1
27	89863	HOUSING SPACER, LH	1
28	89864	SPACER	1
29	89865	BEARING	1
30	89866	HUB	1
31	89867	BEARING	1
32	89868	SHAFT	1
33	89869	SEAL	1
34	89870	OUTPUT HUB ASSEMBLY	2
35	89871	INPUT HUB ASSEMBLY	1

--	--	--	--

--	--	--	--





FIGURE 15
OPTIONAL FLOW CONTROL (HPOVSC)

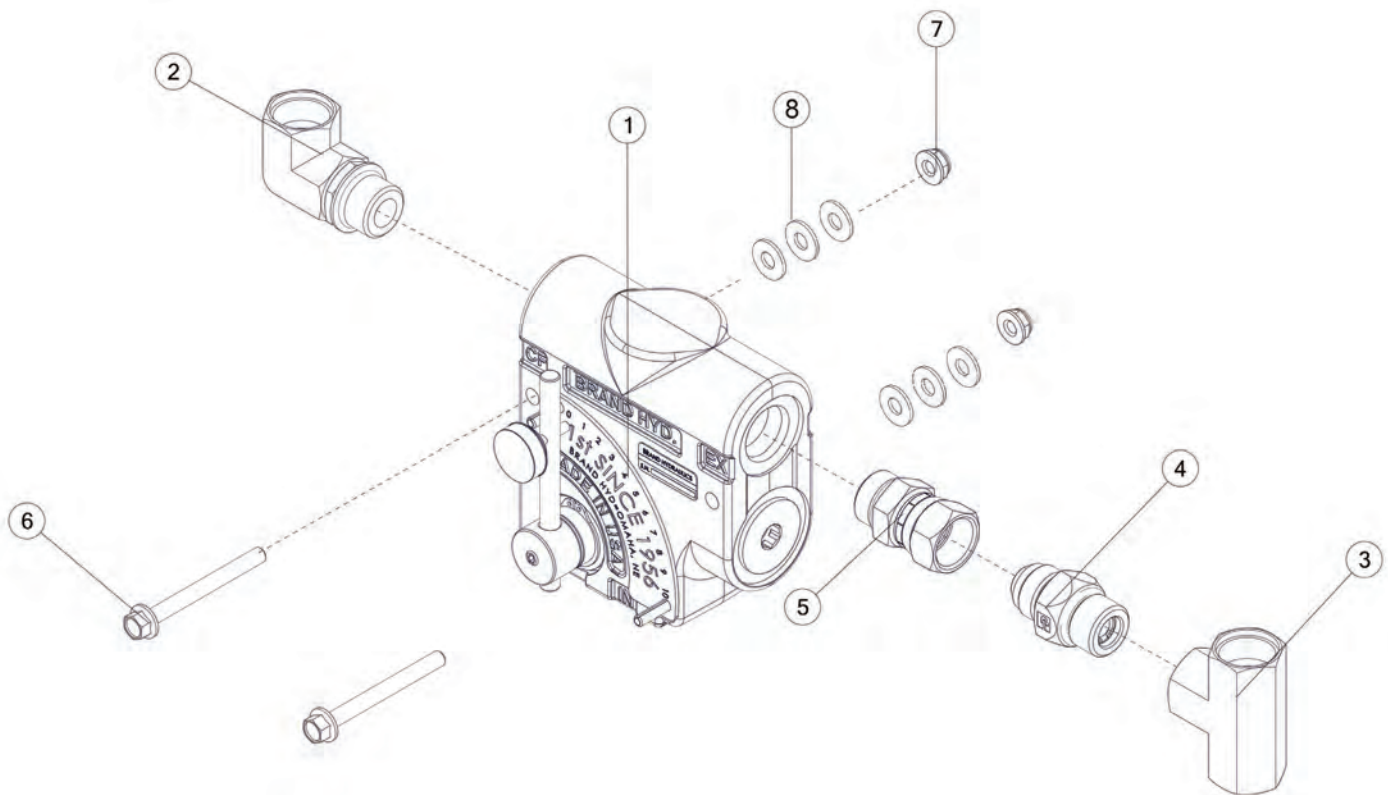




FIGURE 16
OPTIONAL VARIABLE SPEED CONTROL
(HPOVSEC)

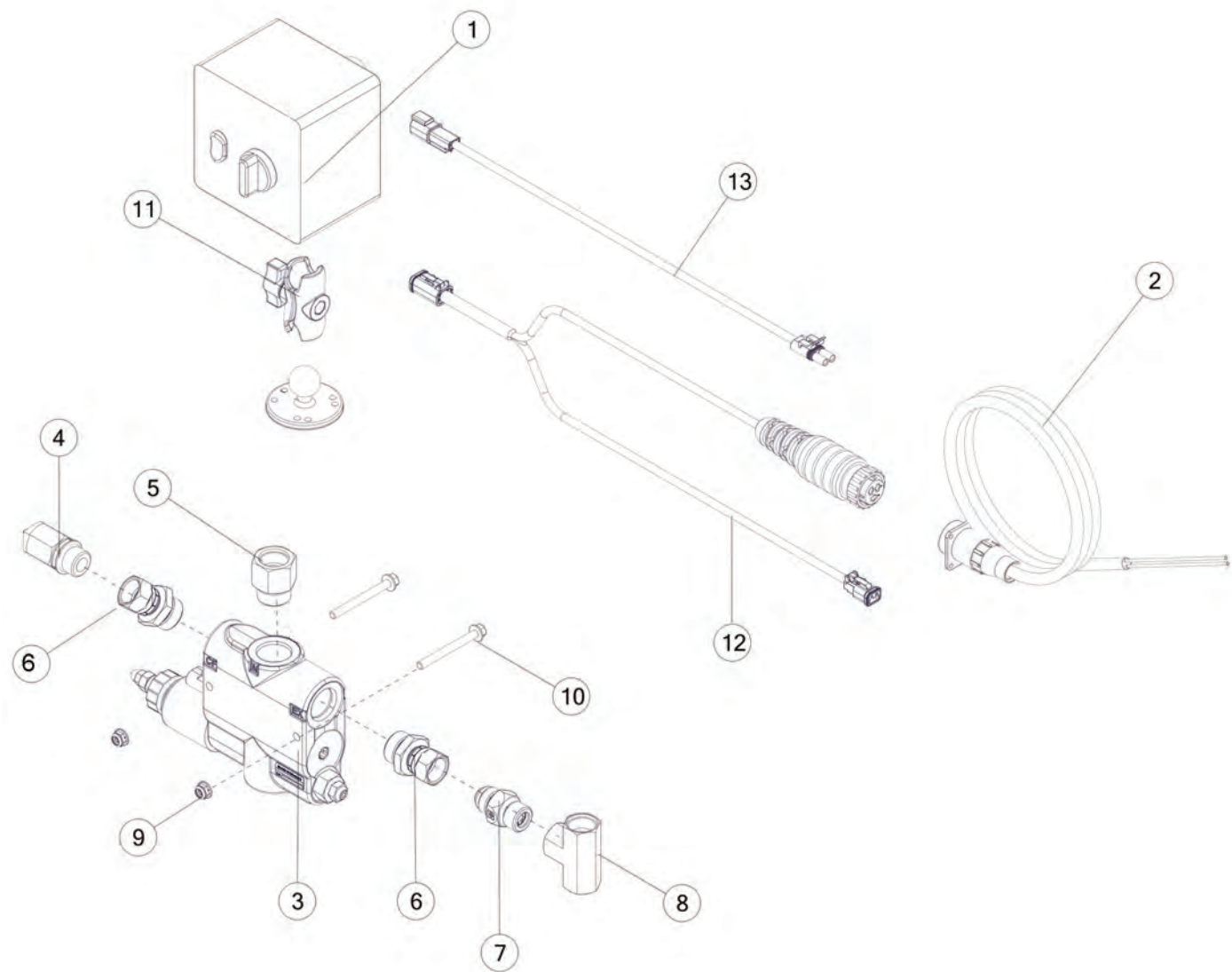




FIGURE 17
OPTIONAL SCREEN EXTENSION
(HPOFASE)

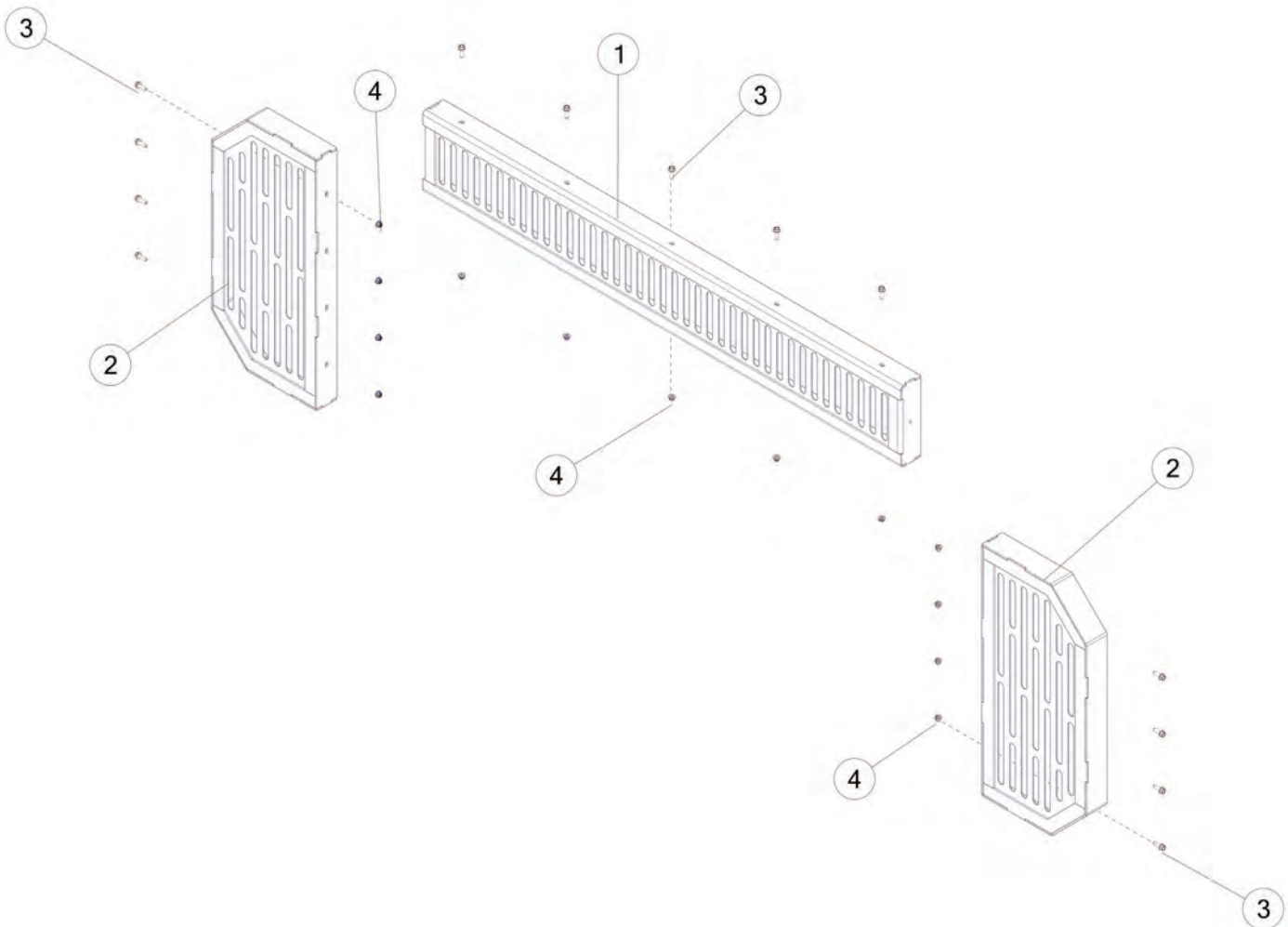




FIGURE 18
HPO1034CV PTO

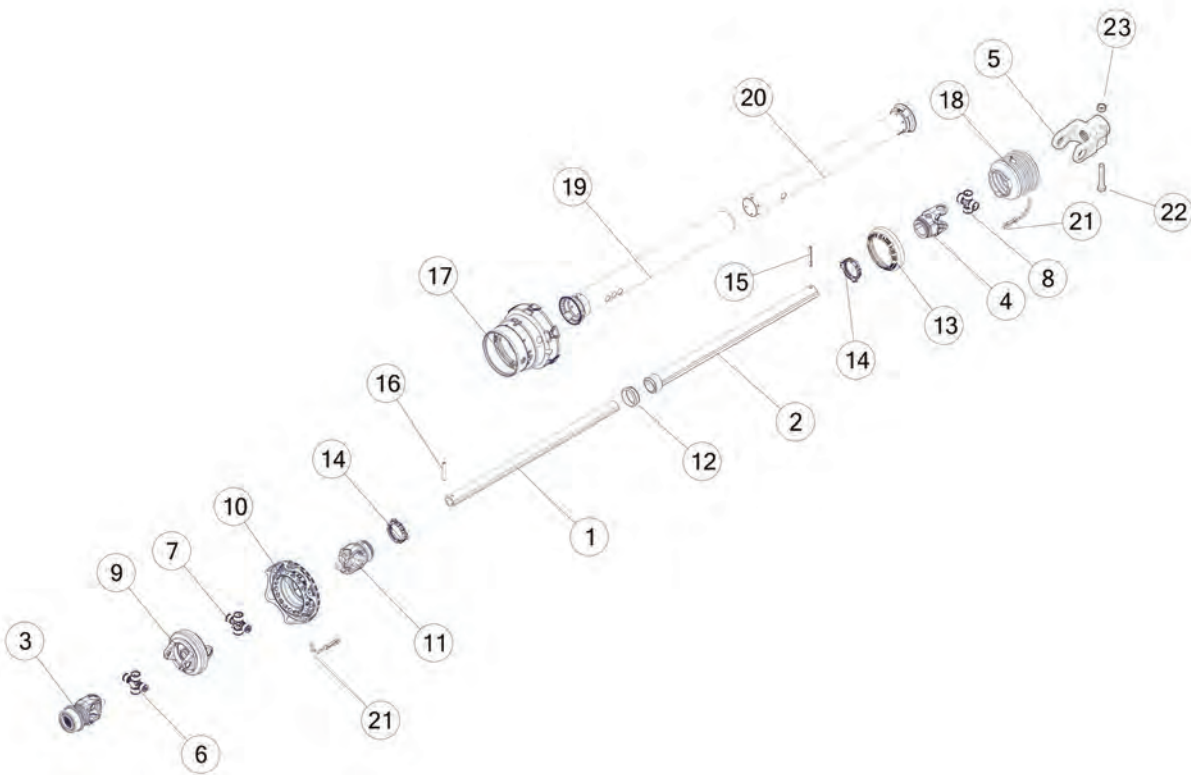




FIGURE 19
HPO1038CV PTO

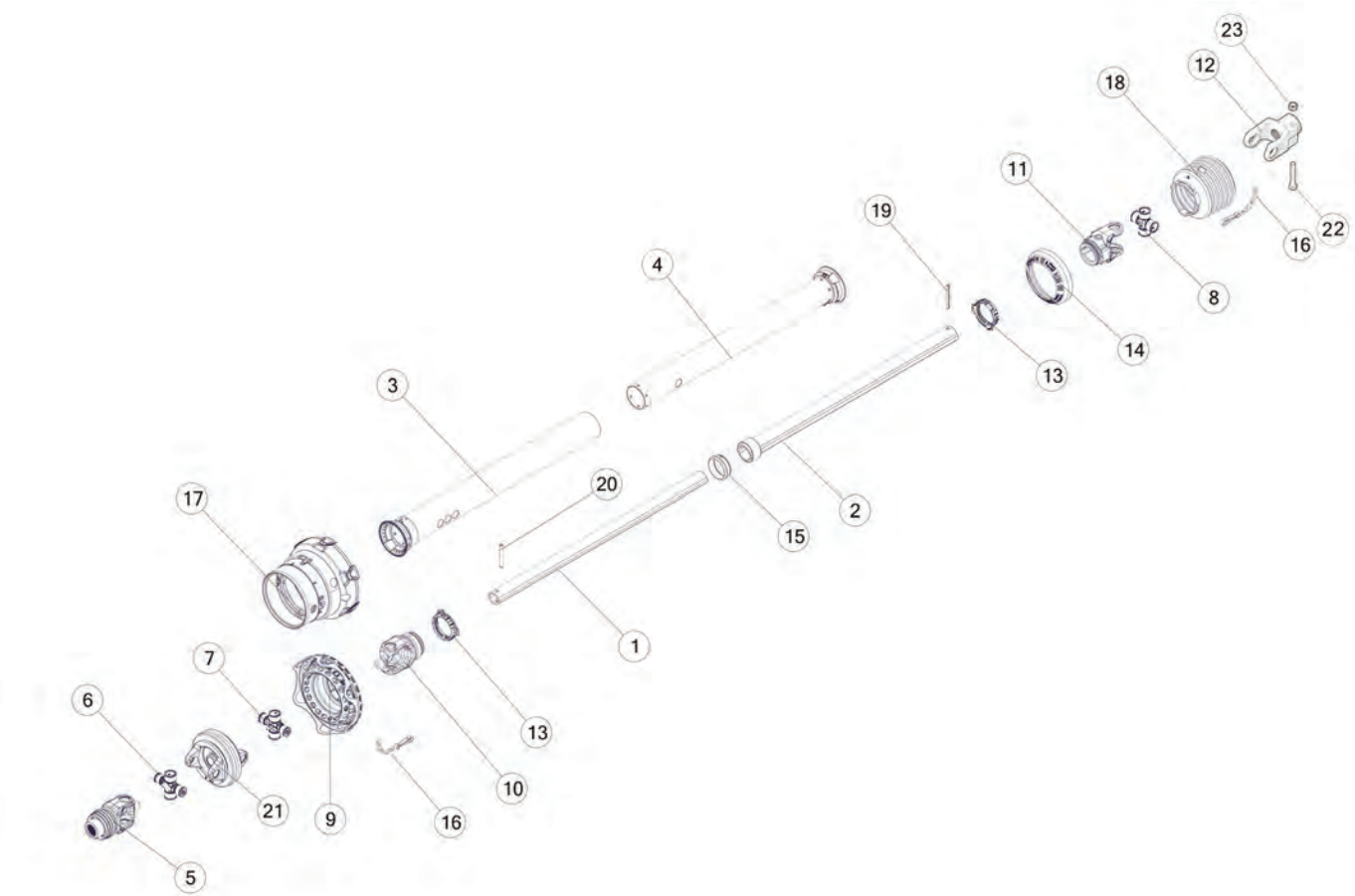




FIGURE 20
1000 RPM PTO
FRONT

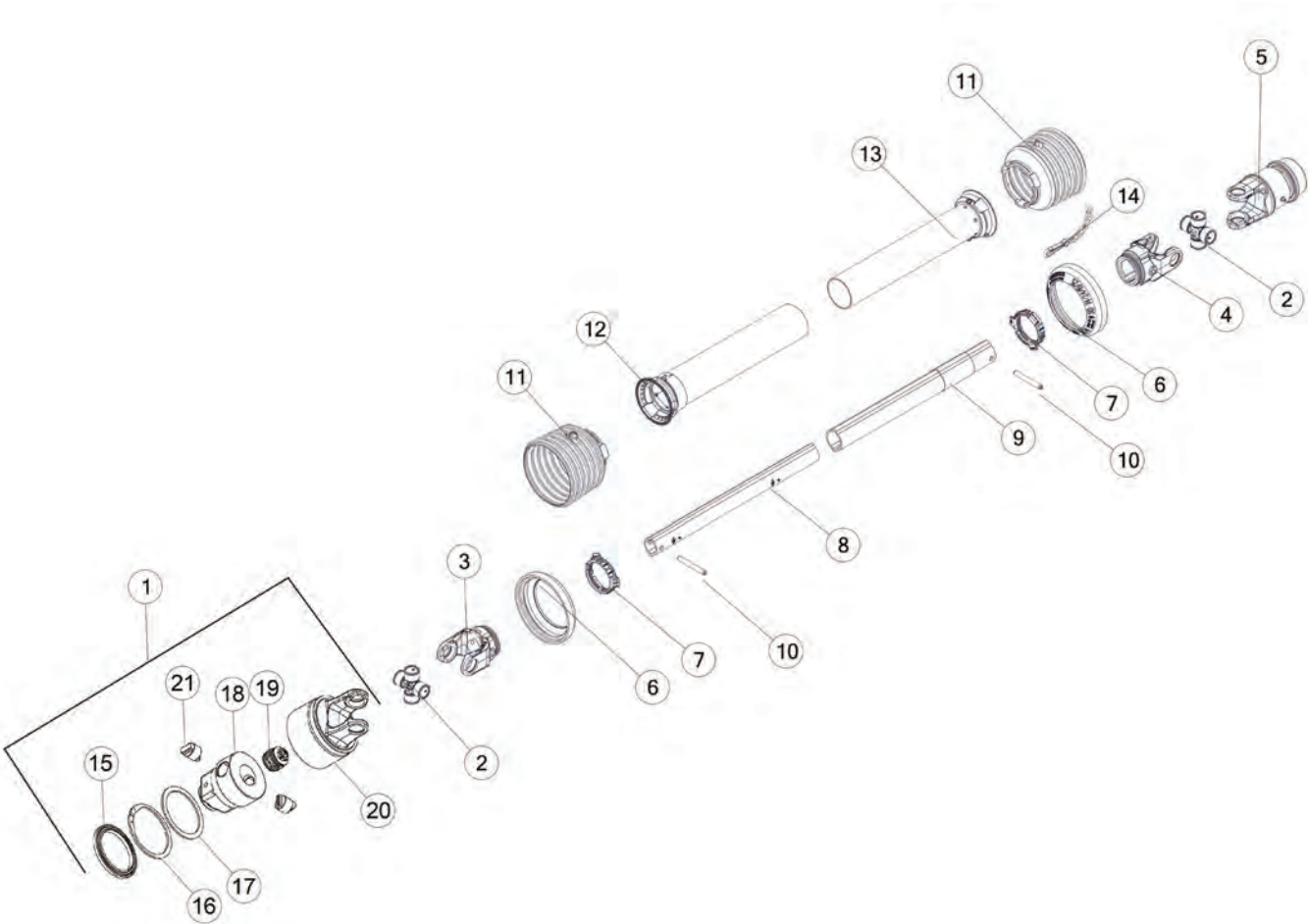




FIGURE 20

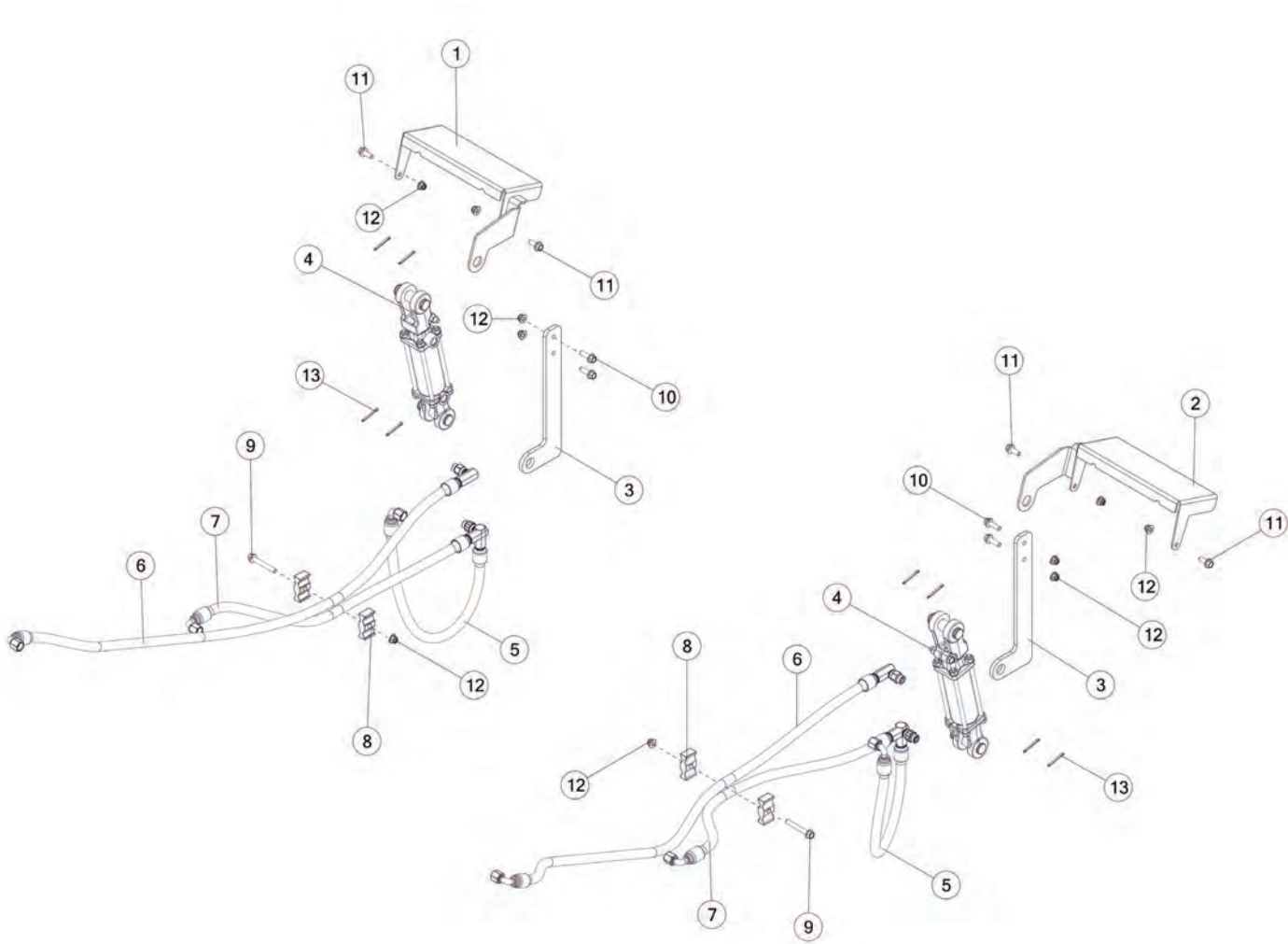
1000 RPM PTO
FRONT

REF #	PART #	DESCRIPTION	QTY
1	87929	CUT OUT CLUTCH	1
2	87923	CROSS BEARING KIT	2
3	87922	YOKE	1
4	89787	YOKE	1
5	87928	OVERRUNNING CLUTCH	1
6	87918	REINFORCING COLLAR	2
7	87919	BEARING RING	2
8	87930	INNER SHAFT	1
9	87934	OUTER SHAFT	1
10	87920	SPRING PIN	2
11	87927	GUARD CONE	2
12	87931	OUTER GUARD TUBE	1
13	87936	INNER GUARD TUBE	1
14	87916	RESTRAINT CHAIN	1
15	95614	SEALING RING	1
16	95615	RETAINING RING	1
17	95616	WASHER	1
18	95617	HUB	1
19	95605	SPRING PACK, 1200NM	1
20	95618	CLUTCH HOUSING	1
21	95619	CLUTCH CAM	2
*	87914	COMPLETE PTO, 1-3/4 1000 RPM	1





FIGURE 21
OPTIONAL HYD ACTUATOR LIGHT COVERS
(HPOHALC)



This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.





Manufactured By:
H&S MANUFACTURING CO., INC.
2608 S. HUME AVE. MARSHFIELD, WI 54449
(715) 387-3414 | hsmfgco.com

