

MAGNUM SRA SERIES

PARTS MANUAL



MAGNUM 300SRA
MAGNUM 420SRA
MAGNUM 480SRA

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SRA SERIES

MAGNUM 300SRA/420SRA/480SRA PARTS MANUAL

The purpose of this manual is for parts identification of the Magnum SR series harvester. This manual is not to be used for assembly. This manual includes parts lists and illustrations of all available replacement parts for the Magnum SR series harvesters. A table of contents is placed at the beginning of the manual for location of specific parts. Keep this manual available for reference in the shop area.

At the time of publication all information contained in this manual was technically correct. However, all materials and specifications are subject to change without notice.

Comments and suggestions about this manual may be directed to: Bucyrus Equipment Co., Inc., PO Box 156-209 Main, Hillsdale, KS 66036. Phone 1-800-330-0857

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AUTO STEER

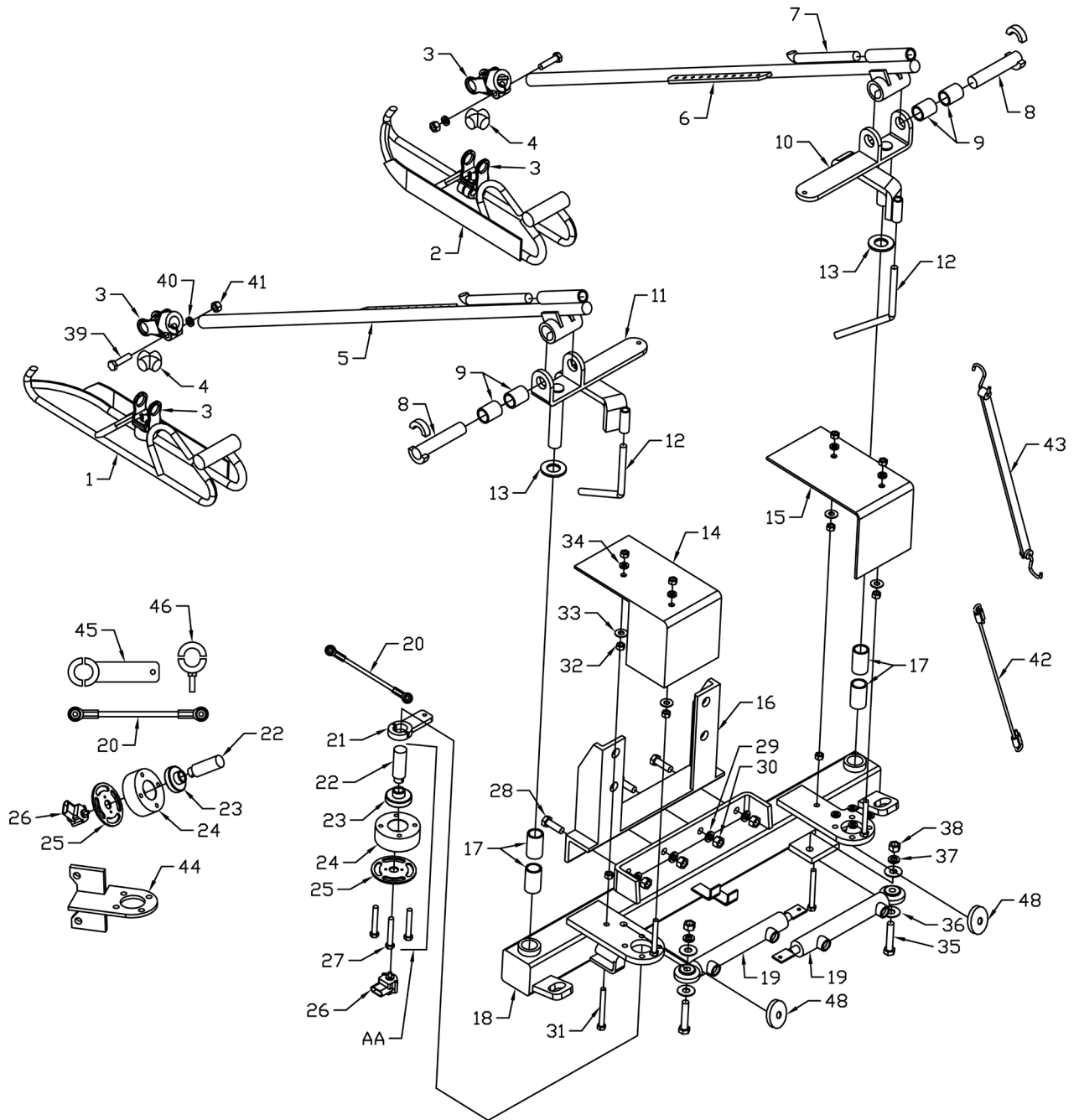
Parts List – VERSION 1 SERIAL NUMBER ENDING IN (100-114)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	AR-SS206L	Steering Shoe, Left
2	1	AR-SS206R	Steering Shoe, Right
3	4	DU0004	Yoke
4	2	DU0008	U-Joint
5	1	SRA-AS102L	Auto Steer Arm, Left
6	1	SRA-SA102R	Auto Steer Arm, Right
7	2	SRA-AS209	Auto Steer Arm Locking Pin
8	2	SRA-AS211	Auto Steer Arm Pivot Pin
9	4	EP1620-16	Bushing
10	1	SRA-AS203R	Auto Steer Arm Pivot, Right
11	1	SRA-AS203L	Auto Steer Arm Pivot, Left
12	2	SRA-AS210	Cable Guide
13	2	33805	1" Thru-Hardened Plain Finish Steel SAE Flat Washer
14	1	SRA-AS202	Shield
15	1	SRA-AS201	Shield
16	1	XXXXSRA-AS101	Auto Steer Mounting Bracket
17	4	Ep162024	Bushing, 1"ID X 1 1/4"OD X 1 1/2" long
18	1	SRA-AS100	Auto Steer Mount
19	2	SRA-AS400	Hydraulic Lift Cylinder
20	3	SRA-AS207	Sensor Linkage
21	2	SRA-AS200	Sensor Linkage
22	2	1P003	Bearing Housing
23	2	YA100RR	Bearing
24	2	RSP101	Sensor Shaft
25	2	RSP100	Sensor Mounting Plate
26	2	9902045CW	Rotary Position sensor
27	8	13113	3/8"-16 x 2-1/2" Grade 5 Zinc Finish Hex Cap Screw
	8	33893	3/8" Yellow Zinc Finish High Alloy Med Split Lock Washer
	8	36306	3/8"-16 Zinc Finish Grade 5 Finished Hex Nut
28	4	13209	1/2"-13x1-1/2" Zinc Finish SAE J429 Gr 5 Hex Cap Screw
29	4	33895	1/2" Yellow Zinc Finish High Alloy Med Split Lock Washer
30	4	1136410	1/2"-13 Yellow Zinc Finish Grade 8 Finished Hex Nut
31	2	13117	3/8"-16 x 3-1/2" Grade 5 Zinc Finish Hex Cap Screw
32	10	36306	3/8"-16 Zinc Finish Grade 5 Finished Hex Nut
33	4	33859	3/8" Yellow Zinc Finish USS Thru-Hardened Flat Washer
34	4	33893	3/8" Yellow Zinc Finish High Alloy Med Split Lock Washer
35	2	13213	1/2"-13 x 2-1/2" Grade 5 Zinc Finish Hex Cap Screw
36	4	33817	1/2" Thru-Hard Yellow Zinc Finish Steel SAE Flat Washer
37	2	33895	1/2" Yellow Zinc Finish High Alloy Med Split Lock Washer
38	2	1136410	1/2"-13 Yellow Zinc Finish Grade 8 Finished Hex Nut
39	4	13159	7/16"-14 x 1-1/2" Grade 5 Zinc Finish Hex Cap Screw
40	4	33894	7/16" Yellow Zinc High Alloy Med Split Lock Washer
41	4	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
42	2	SRA-AS208	Lift Cable
43	2	BUN100	Poly strap Bungee
44	1	XXXXSRA-AS206	Axle Sensor Mount
45	1	XXXXSRA-AS213	Axle Sensor Linkage
46	1	XXXXSRA-AS214	Axle Sensor Linkage
47	2	SC100	Split Collar
48	2	00208	Pulley

Repair Kits & Assemblies

AA	1	RSP900	ROTARY POSITION SENSOR HOUSING ASSEMBLY
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— AUTO STEER —

Parts List – VERSION 2 SERIAL NUMBER ENDING IN (115-CURRENT)			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5425SRA-AS101	AUTOSTEER TRACTOR MOUNT
2	1	SRAG2-AS100	AUTOSTEER MOUNT
3	1	SRAG2-AS102	AUTOSTEER CAM, LHS
4	1	SRAG2-AS101	AUTOSTEER CAM, RHS
5	2	RSP100	ROTARY SENSOR PLATE
6	2	9902045CW	ROTARY POSITION SENSOR 45 DEGREE
7	2	1P003	BEARING BLOCK
8	2	SRAG2-AS103	AUTO STEER ARM MNT
9	4	DU0004	U- JOINT YOKE
10	2	DU0008	U- JOINT BEARING
11	1	AR-SS206L	STEERING SHOE, LEFT
12	1	SRAG2-AS105	AUTOSTEER ARM, LHS
13	2	SRA-AS213	TRACTOR MNT 1/2" SPACER
14	2	SRA-AS214	TRACTOR MNT 1" SPACER
15	1	AR-SS206R	STEERING SHOE, RIGHT
16	4	BUN100 SRA AUTO STEER	RED BUNGEE
17	2	1A900	CHAIN
18	1	SRA-AS201	AUTOSTEER SHIELD
19	1	SRAG2-AS104	AUTOSTEER ARM, RHS
20	1	SRA-AS202	AUTO STEER SHIELD
21	2	RSP101	ROTARY SENSOR SHAFT
22	2	IN-RL203	ROLL LIFT PIN LOCKING TAB
23	4	0154050	M20-2.5 X 100mm CAPSCREW PT
24	2	9546K53	BUMPER
25	2	SRAG2-AS200	AUTOSTEER SENSOR LINKAGE
26	2	SRAG2-AS106	AUTOSTEER CAM PIVOT PIN
27	2	SRAG2-AS108	AUTOSTEER ARM PIVOT PIN
28	2	SRAG2-AS300	AUTOSTEER ARM LIFT CYLINDER
29	2	SRA-AS200	AUTO STEER SENSOR ARM
30	2	YA100RR	25mm BALL BEARING
31	6	65036	3/32" X 1" COTTER
32	2	0165378	7/32" X 3" COTTER PIN
33	4	60105	1/4"-28 GREASE FITTING, ST
34	4	CW-5	5/16"-24 FEMALE ROD END
35	4	13059	5/16"-18 X 1 1/2" CAPSCREW PT
36	4	36304	5/16"-18 HEX NUT
37	4	33892	5/16" LOCK WASHER
38	12	33858	5/16" FLAT WASHER
39	4	13161	7/16"-14 X 2" CAPSCREW

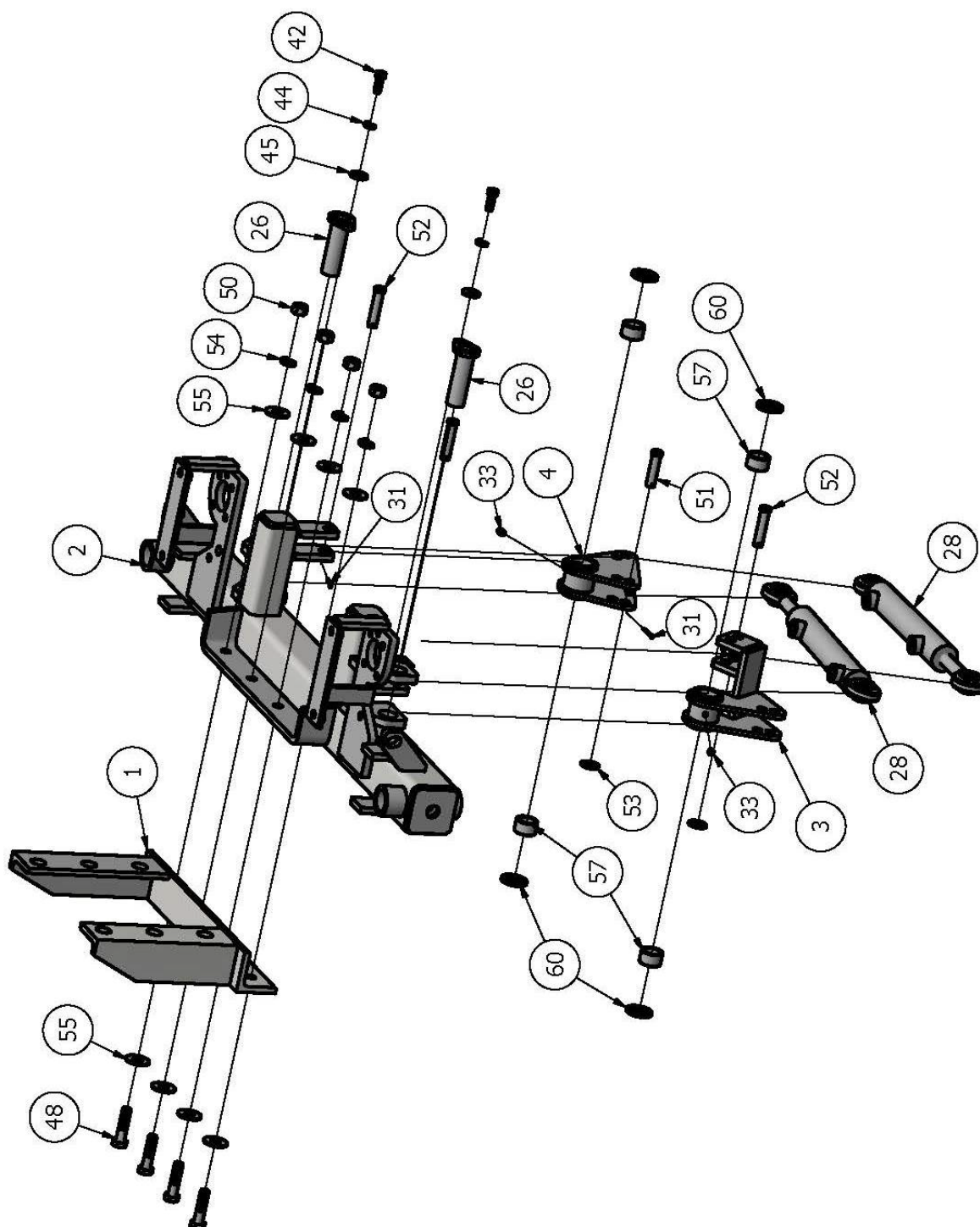
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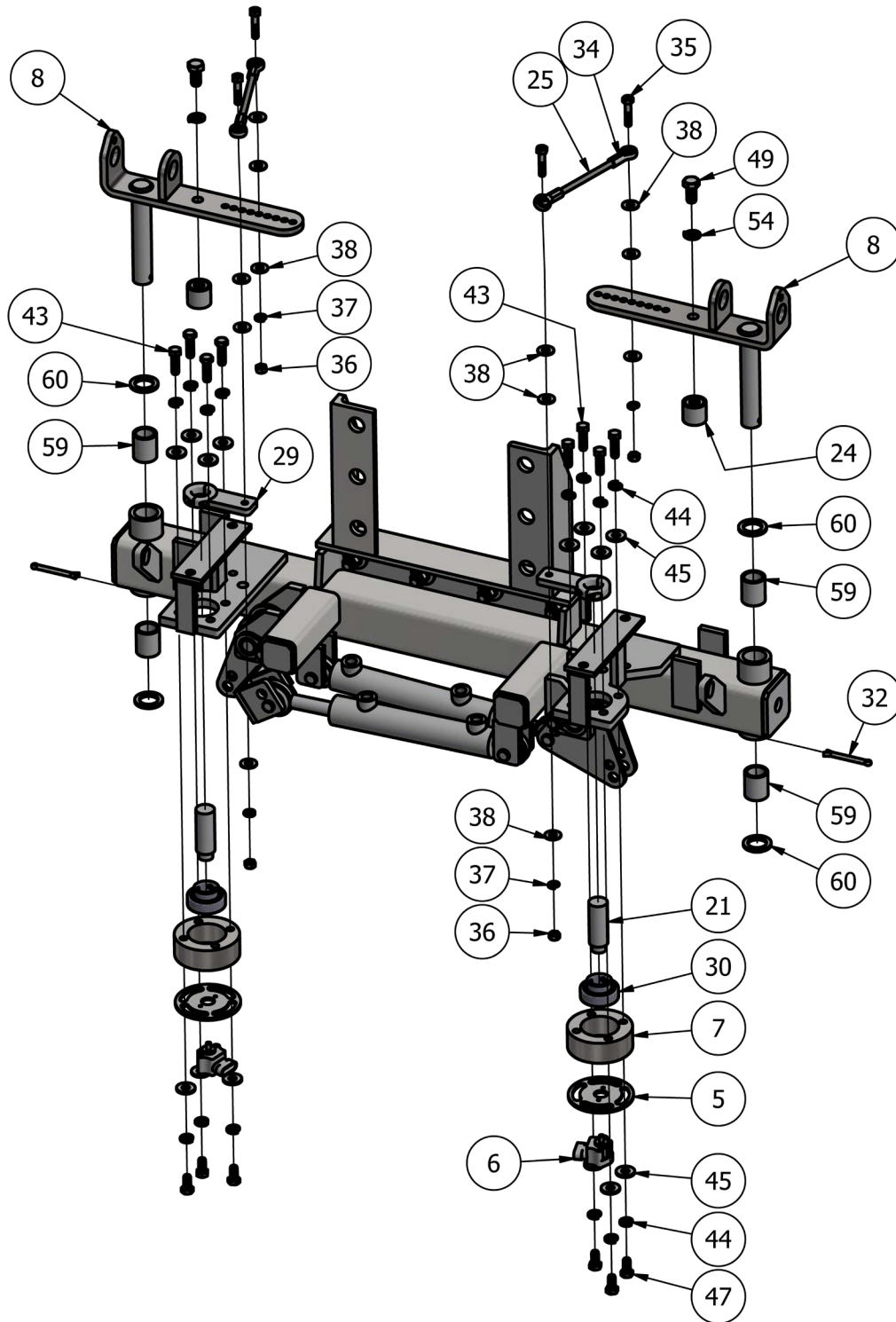
Parts List

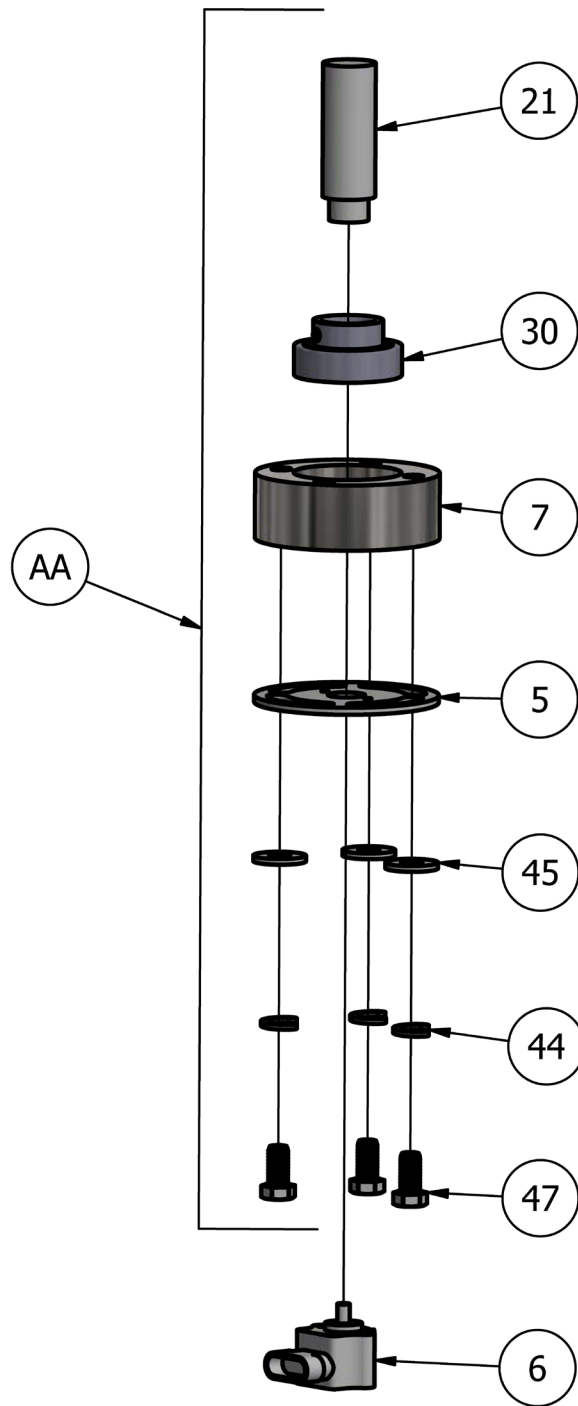
ITEM	QTY	PART NUMBER	DESCRIPTION
40	4	36308	7/16"-14 HEX NUT
41	4	33894	7/16" LOCK WASHER
42	10	13105	3/8"-16 X 1" CAPSCREW
43	8	13107	3/8"-16 X 1 1/4" CAPSCREW
44	22	33893	3/8" LOCK WASHER
45	22	33859	3/8" FLAT WASHER
46	2	3583T81	3/8" CHAIN SHACKLE
47	6	13103	3/8"-16 X 3/4" CAPSCREW
48	4	13211	1/2"-13 x 2" CAPSCREW PT
49	2	13205	1/2"-13 X 1" CAPSCREW
50	4	36310	1/2"-13 HEX NUT
51	3	0156771	1/2" X 2" CLEVIS PIN
52	3	0156772	1/2" X 2 1/4" CLEVIS PIN
53	6	33817	1/2" SAE WASHER
54	6	33895	1/2" LOCK WASHER
55	8	33861	1/2" FLAT WASHER
56	2	98480A562	1/2" DIA X 3" LOCKING PIN
57	4	EP1620-12	1"ID X 1 1/4" OD X 3/4" LG BRONZE BUSHING
58	4	EP1620-16	1"ID X 1 1/4" OD X 1" LG BRONZE BUSHING
59	4	EP162024	1"ID X 1 1/4" OD X 1 1/2" LG BRONZE BUSHING
60	8	33446	1"-10 GA WASHER
61	4	40389	M20 FLAT WASHER
62	4	91202A257	M20 LOCK WASHER

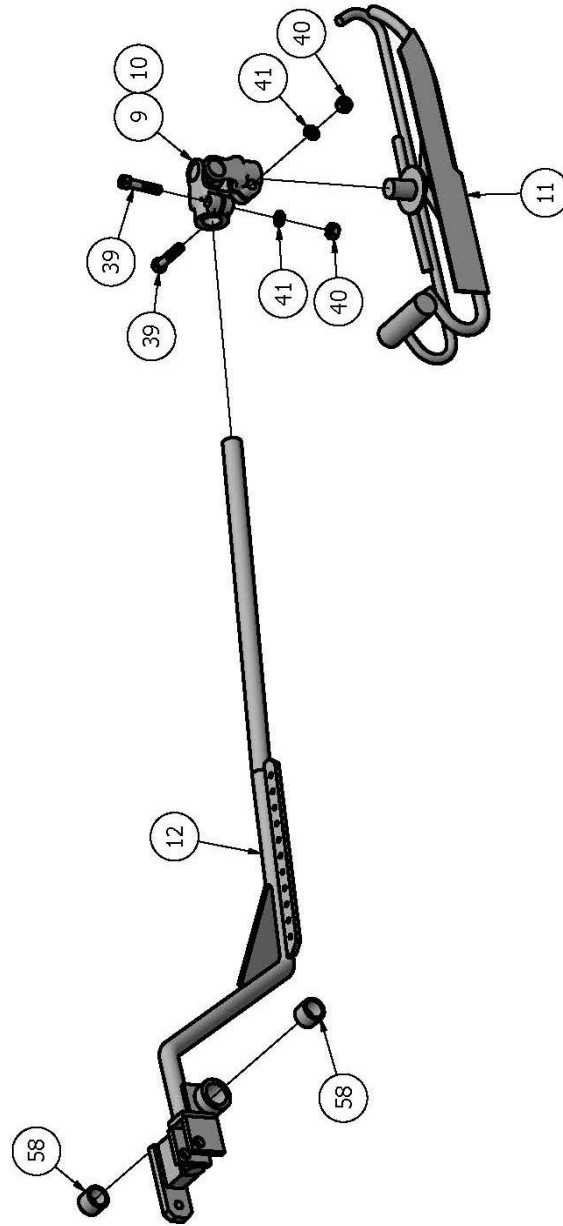
Repair Kits & Assemblies

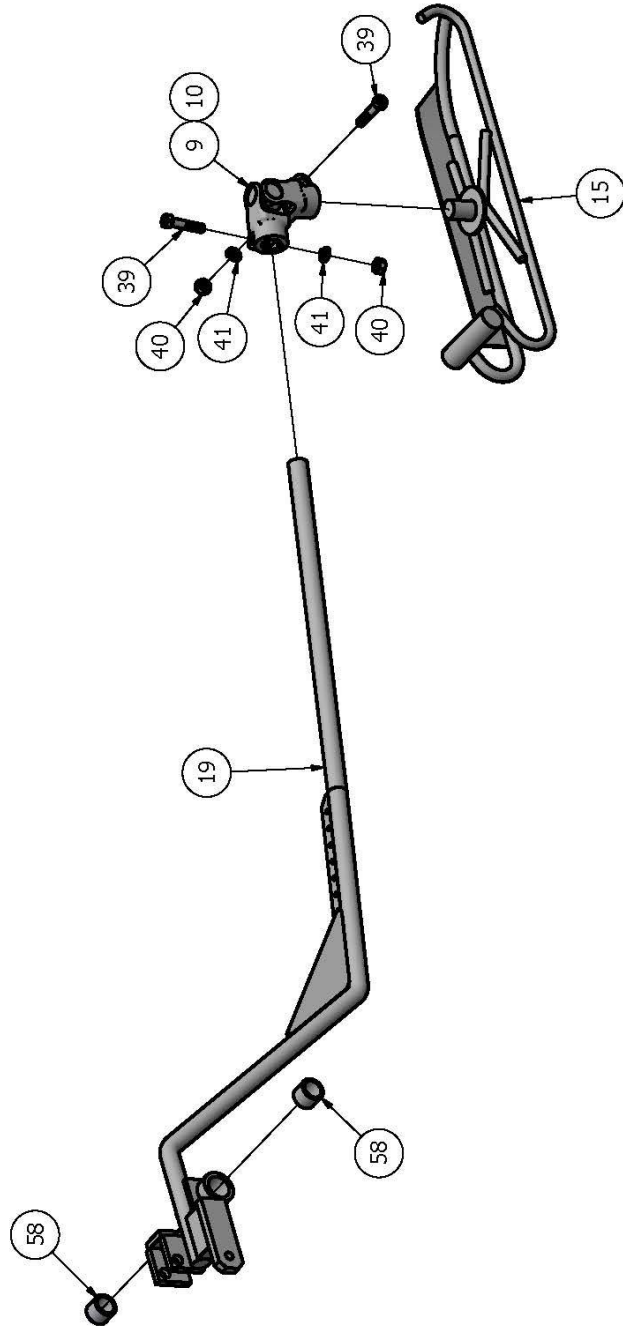
AA	1	RSP900	ROTARY POSITION SENSOR HOUSING ASSEMBLY
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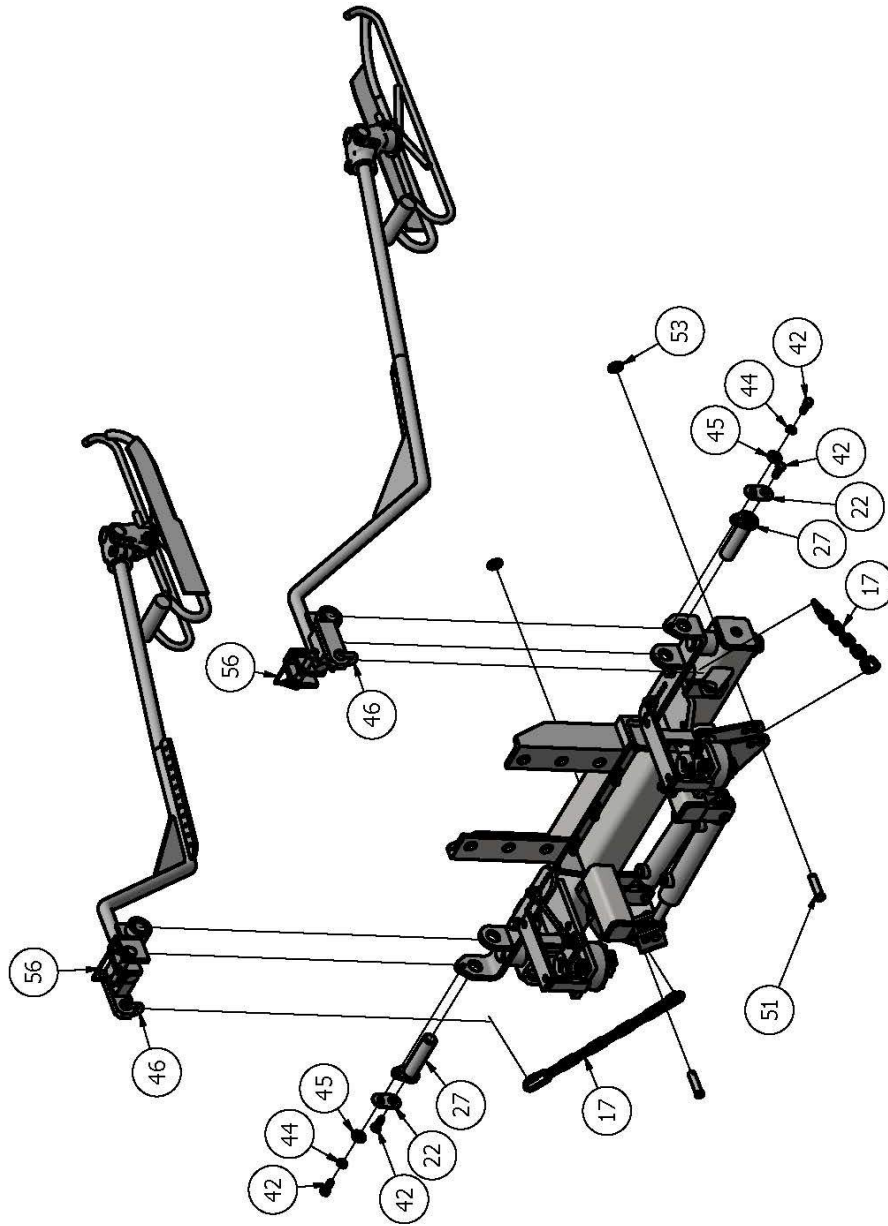


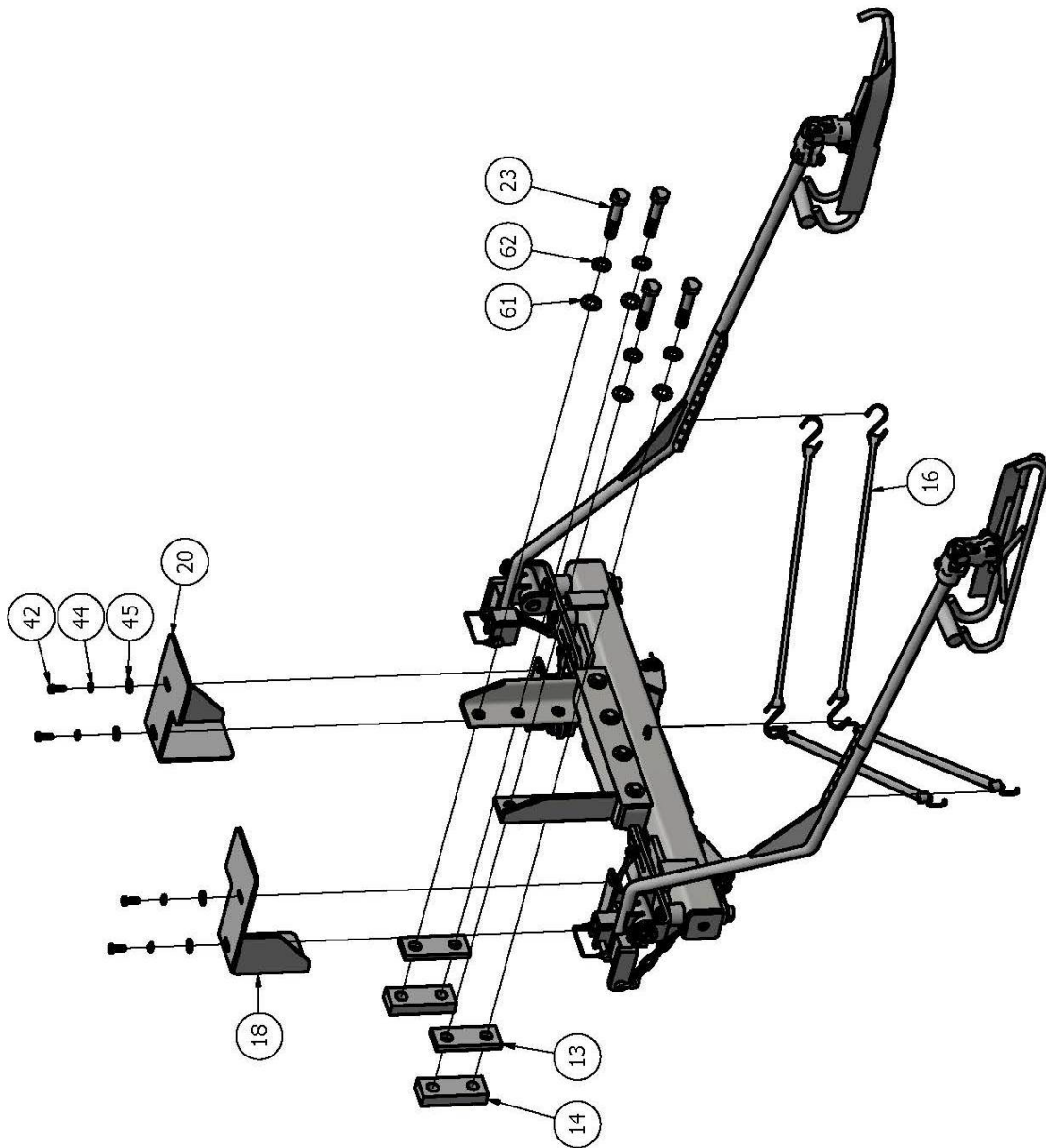












AUTO STEER

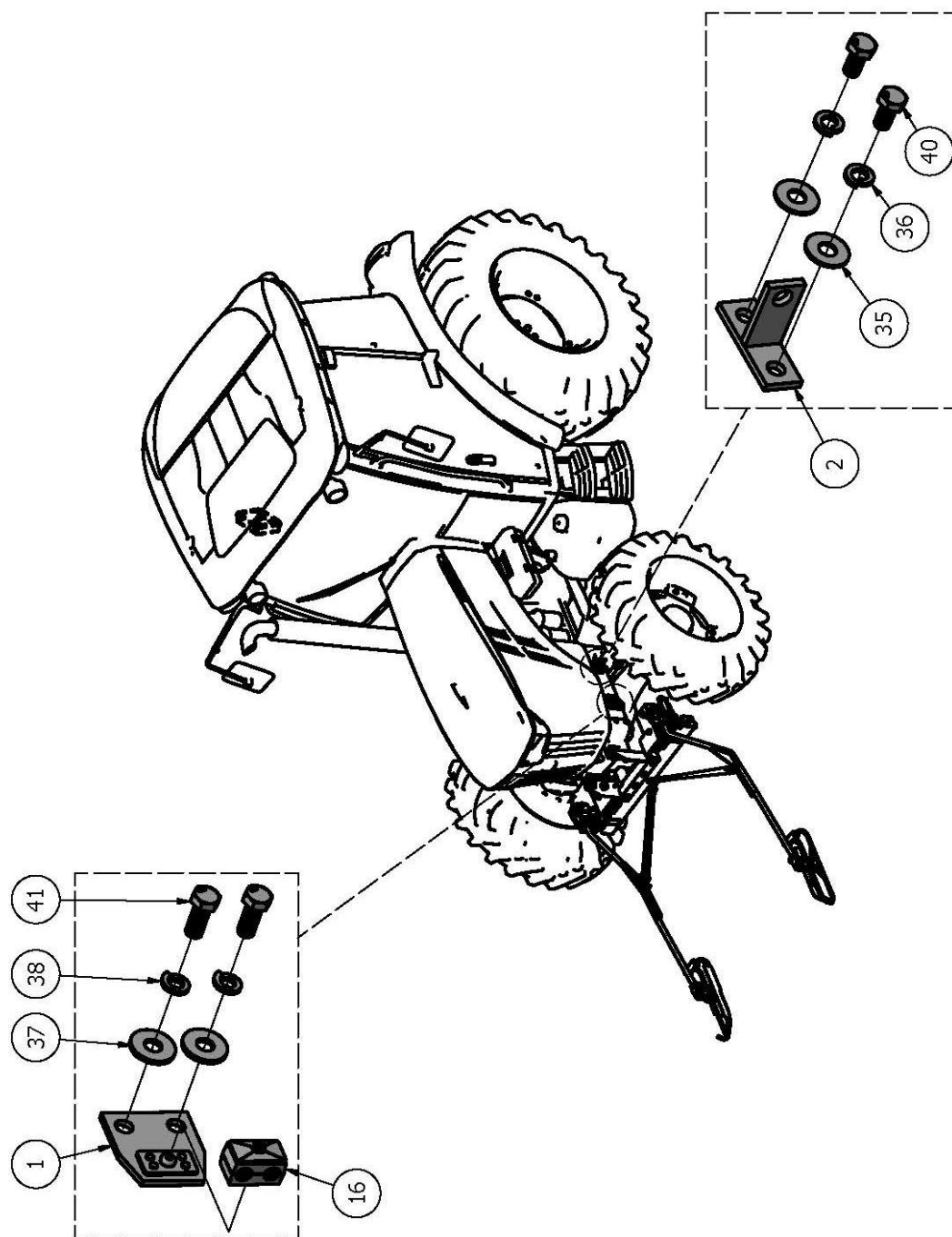
Parts List

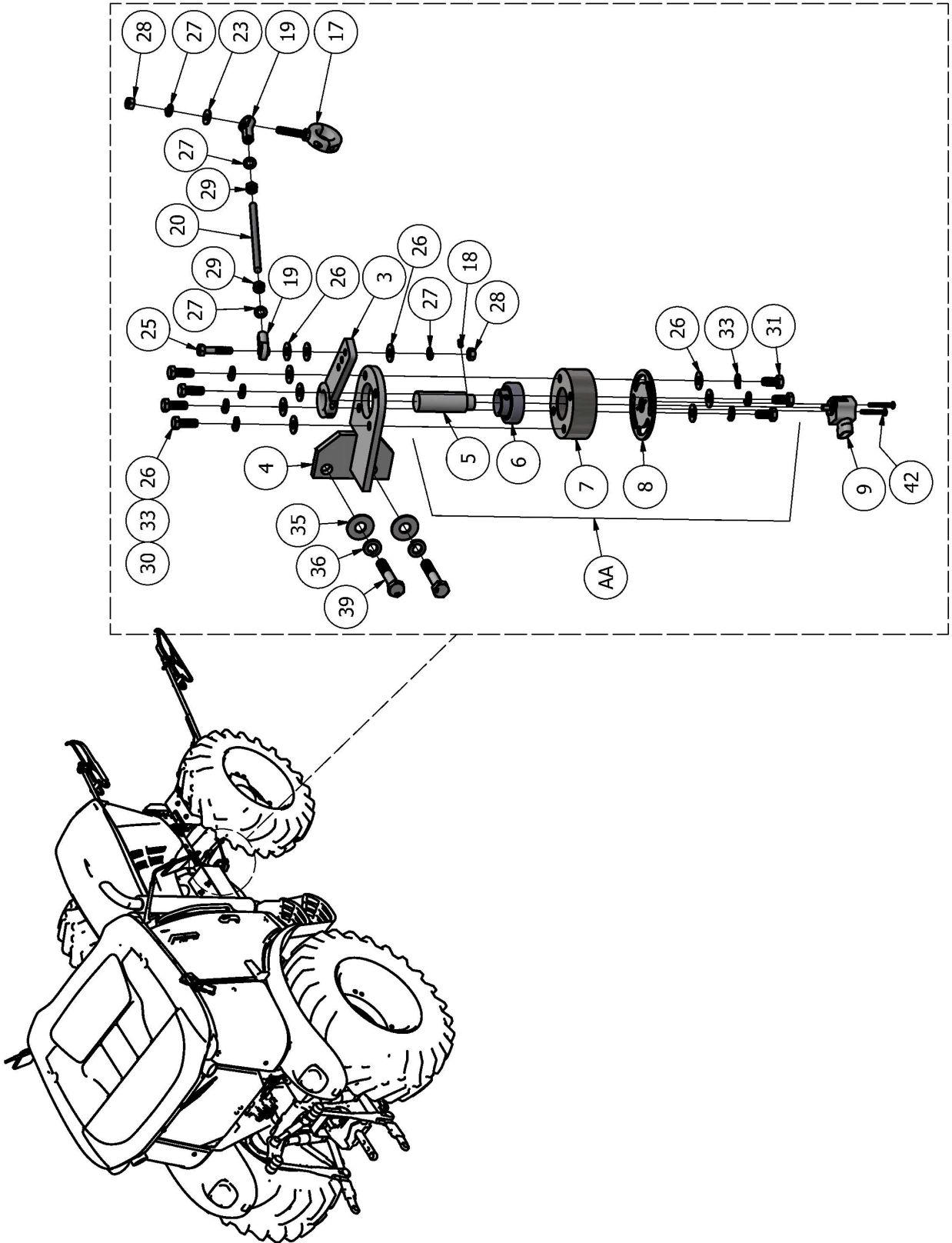
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	5085MSRA-AS204	HYD HOSE MNT FOR TRACTOR
2	2	SRAG2-AS107	Autosteer hose mnt
3	1	5425SRA-AS213	AUTO STEER RPS ARM FOR AXLE SENSOR
4	1	5085MSRA-AS203	AUTO STEER SENSOR MNT
5	1	RSP101	ROTARY SENSOR SHAFT
6	1	YA100RR	Timken Bearing for RPS
7	1	1P003	BEARING BLOCK
8	1	RSP100	ROTARY SENSOR PLATE
9	1	9902045CW	ROTARY POSITION SENSOR 45 DEGREE
10	1	5425SRA-AS205	AUTO STEER HYD. SHIELD
11	1	5085MSRA-202	AUTO STEER HYD SHIELD MNT
12	1	SA-2313	DUAL COUNTERBALANCE VALVE
13	1	5085MSRA-AS201	AUTO STEER HYD MNT BRKT
14	1	760-0005	STEERING VALVE
15	1	5085MSRA-AS200	OUTBACK VLV MNT
16	2	HYDMNT001	TWIN CLAMP, 1/4" HOSE / 5/8" TUBE
17	1	5425SRA-AS214	AXLE SENSOR LINKAGE
18	1	1125218	10-24 X 3/8"
19	2	CW-5	5/16"-24 FEMALE ROD END
20	1	SRA-AS207	AUTOSTEER SENSOR LINKAGE
21	2	13012	1/4"-20 X 2 1/4" CAPSCREW PT
22	2	33618	1/4" LOCK WASHER
23	7	33004	1/4" FLAT WASHER
24	4	36302	1/4"-20 HEX NUT
25	1	13059	5/16"-18 X 1 1/2" CAPSCREW PT
26	14	33858	5/16" FLAT WASHER
27	4	33892	5/16" LOCK WASHER
28	2	36304	5/16"-18 HEX NUT
29	2	1136454	5/16"-24 HEX NUT
30	4	13105	3/8"-16 X 1" CAPSCREW
31	3	13103	3/8"-16 X 3/4" CAPSCREW
32	2	13119	3/8"-16 X 4" CAPSCREW PT
33	9	33893	3/8" LOCK WASHER
34	2	36306	3/8"-16 HEX NUT
35	6	33861	1/2" FLAT WASHER
36	6	33895	1/2" LOCK WASHER
37	4	33863	5/8 FLAT WASHER
38	4	33897	5/8" LOCK WASHER
39	2	38716	M12-1.75 X 65
40	4	38705	M12-1.75 X 25
41	4	38784	M16-1.5 X 40
42	2	28909	#8-32 x 1-1/4 MACHINE SCREW

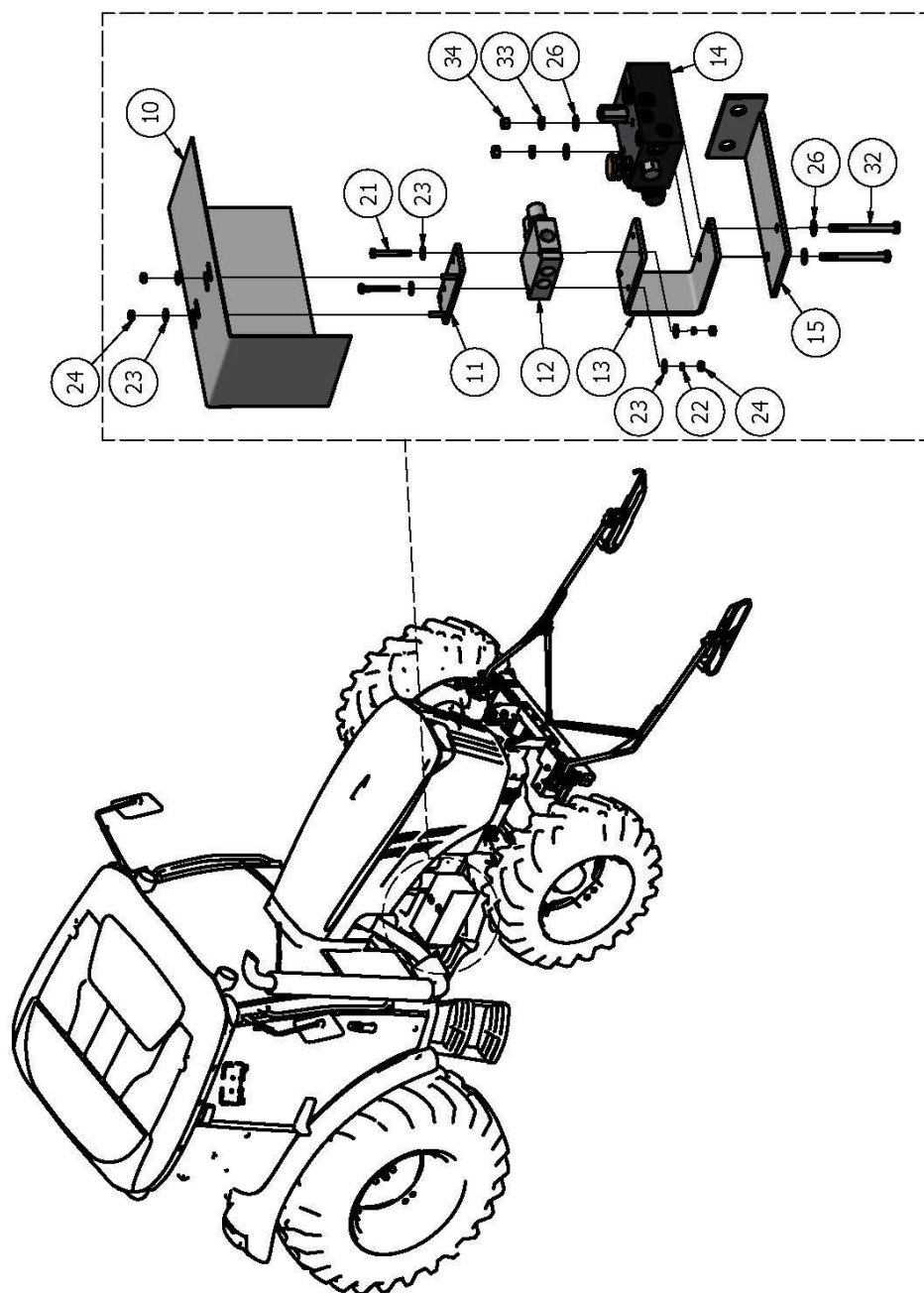
Repair Kits & Assemblies

AA	1	RSP900	ROTARY POSITION SENSOR HOUSING ASSEMBLY
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