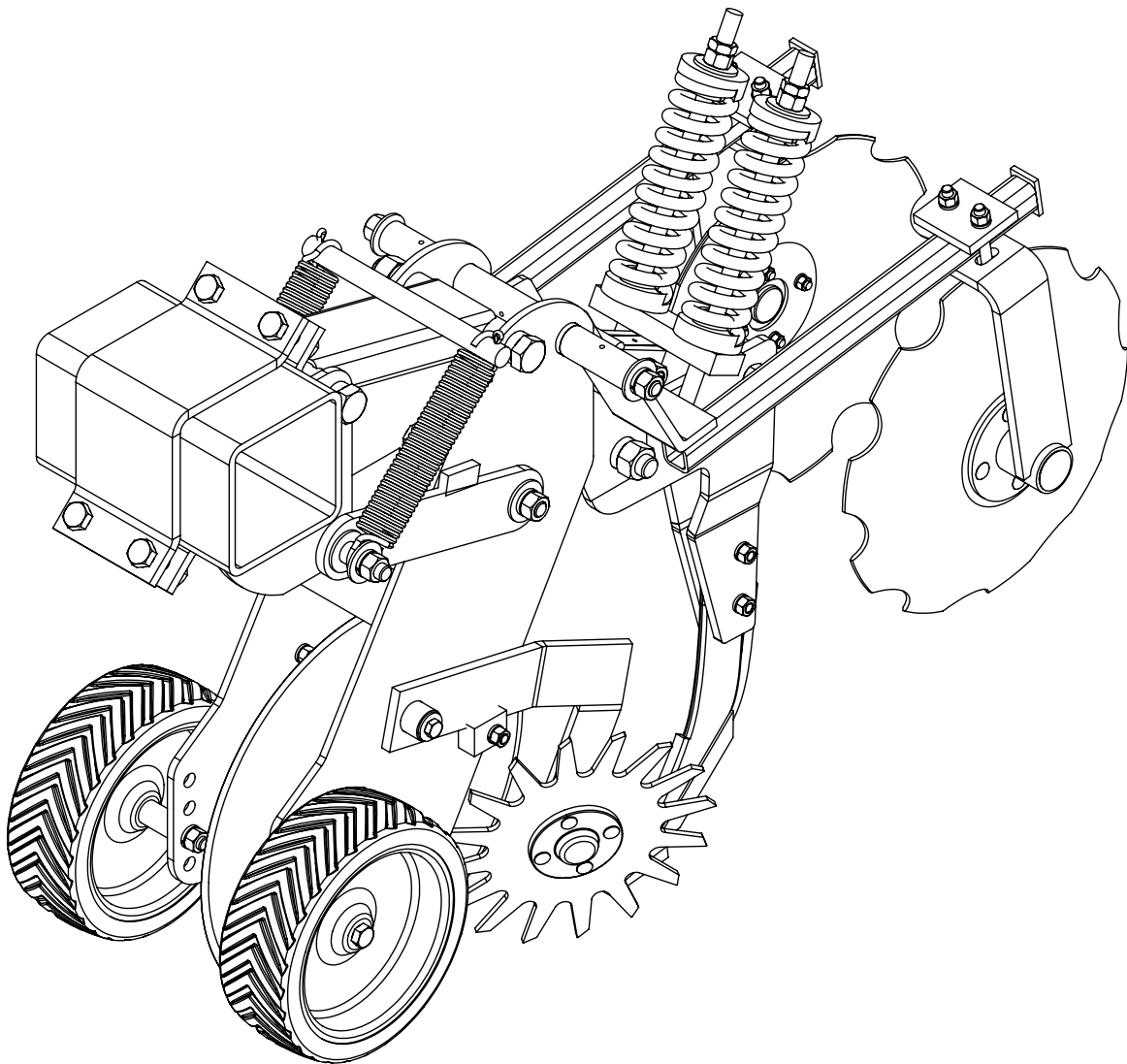


Row Pro 300

Auto- Reset

Kongskilde
Row Pro 300



*Model may not be exactly as shown.
Kongskilde reserves the right to make changes to product designs and specifications without notice or obligation to rework.
See your local Kongskilde representative for current product specifications and options.

Table of Contents

Set Up and Operation	3
Safety and Bolt Torque Specifications.....	4
Torque Specifications Chart	5
Saddle Clamp Assembly	6
Parallel Linkage Assembly	8
Sideplate Weldment Assembly.....	10
Gauge Wheel Assembly	12
Front Coulter Assembly	14
Walking Arm Assembly	16
Disk Sealer Arm Assembly	18
Auto- Rest Trip Assembly.....	20
Shank, Knife, and Auto- Reset Assembly.....	22
Trash Wheel Assembly	24
Disk Sealer Hub Assembly	26
Disk Sealer Coulter Assembly	28
4 Bolt Hub Assembly	30
Row Pro 300: Auto- Reset Final Assembly	32
Row Pro 300: Auto- Reset ZERK Locations	33



SETUP AND OPERATION

When ordering parts, provide the complete serial and model number, as well as the desired part number and description.

For convenience and future reference, record the following information in the spaces provided below:

DATE PURCHASED: ____/____/____

DEALER NAME: _____

DEALER PHONE: _____

MODEL NUMBER: _____

SERIAL NUMBER: _____

NOTE: Throughout this manual, references of "right" or "right side" and "left" or "left side" are always from a point behind the implement facing forward, in the direction of travel.

SAFETY FIRST!

FOLLOW THESE RULES:

Comply with your state and local laws governing highway safety while moving machinery on the highway

The SMV reflector emblem should be used at all times on public roads, and always use the flashing warning lights on your tractor.

Drive at a reasonable speed to maintain complete control of your machine at all times. Do not exceed 20 MPH (32.2 km/h) while transporting. Avoid heavily traveled roads whenever possible.

Hydraulic fluid escaping under pressure can have enough force to penetrate your skin. If you are injured by escaping fluid, see a doctor at once. Serious infection or reaction can result if medical treatment is not given immediately. Make sure all connections are tight and that hoses and lines are in good condition before applying pressure to the system. Relieve all pressure before disconnecting any lines or performing other work on the hydraulic system. To find a leak under pressure, use a small piece of cardboard or wood, NEVER use your hands.

At least once a year, inspect all hydraulic hoses for leaks, cracks, abrasions, and pinched areas. Tighten fittings or replace hoses as needed.

Always be sure the hydraulic lines and cylinders are free of air and do not leak. After connecting any new parts, replacing old parts, or servicing the hydraulic components, carefully cycle the hydraulic cylinder several times to purge trapped air from the system. Check all the connections for any leakage.

Always block up raised equipment when servicing it. NEVER rely on the hydraulic system to support the implement during servicing.

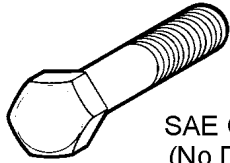
BOLT TORQUE

1. Improperly tightened bolts will result in damage, breakage, expense, and lost time
2. Always replace bolts with the specified grade and type
3. Torque all fasteners to the proper value during assembly, then check every two (2) hours of operation until they remain tight
4. Use the following torque chart as a guide to insure proper tightening of the fasteners.
5. Make a daily inspection of the implement checking for loose bolts as well as leaking hoses.

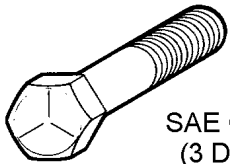
TORQUE SPECIFICATIONS

Proper torque for American fasteners.
Recommended Torque in Foot Pounds (Newton Meters).*

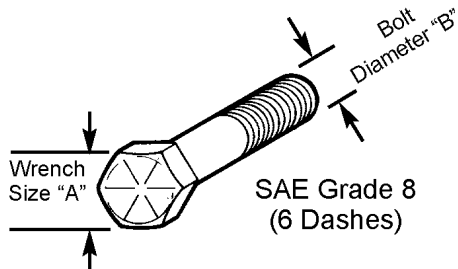
AMERICAN Bolt Head Markings



SAE Grade 2
(No Dashes)



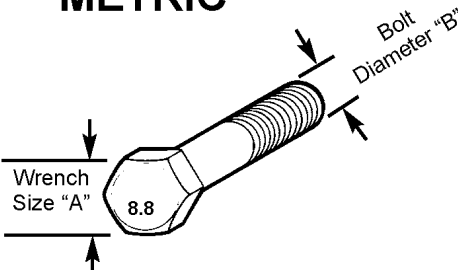
SAE Grade 5
(3 Dashes)



SAE Grade 8
(6 Dashes)

WRENCH SIZE (IN.) "A"	BOLT DIAMETER (IN.) "B" AND THREAD SIZE	SAE GRADE 2	SAE GRADE 5	SAE GRADE 8
7/16	1/4 - 20 UNC	6 (7)	8 (11)	12 (16)
7/16	1/4 - 28 UNF	6 (8)	10 (13)	14 (18)
1/2	5/16 - 18 UNC	11 (15)	17 (23)	25 (33)
1/2	5/16 - 24 UNF	13 (17)	19 (26)	27 (37)
9/16	3/8 - 16 UNC	20 (27)	31 (42)	44 (60)
9/16	3/8 - 24 UNF	23 (31)	35 (47)	49 (66)
5/8	7/16 - 14 UNC	32 (43)	49 (66)	70 (95)
5/8	7/16 - 20 UNF	36 (49)	55 (75)	78 (106)
3/4	1/2 - 13 UNC	49 (66)	76 (103)	106 (144)
3/4	1/2 - 20 UNF	55 (75)	85 (115)	120 (163)
7/8	9/16 - 12 UNC	70 (95)	109 (148)	153 (207)
7/8	9/16 - 18 UNF	79 (107)	122 (165)	172 (233)
15/16	5/8 - 11 UNC	97 (131)	150 (203)	212 (287)
15/16	5/8 - 18 UNF	110 (149)	170 (230)	240 (325)
1-1/8	3/4 - 10 UNC	144 (195)	266 (360)	376 (509)
1-1/8	3/4 - 16 UNF	192 (260)	297 (402)	420 (569)
1-5/16	7/8 - 9 UNC	166 (225)	430 (583)	606 (821)
1-5/16	7/8 - 14 UNF	184 (249)	474 (642)	668 (905)
1-1/2	1 - 8 UNC	250 (339)	644 (873)	909 (1232)
1-1/2	1 - 12 UNF	274 (371)	705 (955)	995 (1348)
1-1/2	1 - 14 UNF	280 (379)	721 (977)	1019 (1381)
1-11/16	1-1/8 - 7 UNC	354 (480)	795 (1077)	1288 (1745)
1-11/16	1-1/8 - 12 UNF	397 (538)	890 (1206)	1444 (1957)
1-7/8	1-1/4 - 7 UNC	500 (678)	1120 (1518)	1817 (2462)
1-7/8	1-1/4 - 12 UNF	553 (749)	1241 (1682)	2013 (2728)
2-1/16	1-3/8 - 6 UNC	655 (887)	1470 (1992)	2382 (3228)
2-1/16	1-3/8 - 12 UNF	746 (1011)	1672 (2266)	2712 (3675)
2-1/4	1-1/2 - 6 UNC	870 (1179)	1950 (2642)	3161 (4283)
2-1/4	1-1/2 - 12 UNF	979 (1327)	2194 (2973)	3557 (4820)

METRIC



Numbers appearing on bolt heads
indicate ASTM class.

Proper torque for Metric fasteners.
Recommended torque in Foot Pounds (Newton Meters).*

WRENCH SIZE (mm) "A"	BOLT DIA. (mm) "B"	ASTM 4.6	ASTM 8.8	ASTM 9.8	ASTM 10.9
8	5	1.8 (2.4)		5.1 (6.9)	6.5 (8.8)
10	6	3 (4)		8.7 (12)	11.1 (15)
13	8	7.3 (10)		21.1 (29)	27 (37)
16	10	14.5 (20)		42 (57)	53 (72)
18	12	25 (34)	74 (100)	73 (99)	93 (126)
21	14	40 (54)	118 (160)	116 (157)	148 (201)
24	16	62 (84)	167 (226)	181 (245)	230 (312)
30	20	122 (165)	325 (440)		449 (608)
33	22		443 (600)		611 (828)
36	24	211 (286)	563 (763)		778 (1054)
41	27		821 (1112)		1138 (1542)
46	30	418 (566)	1119 (1516)		1547 (2096)

*Use 75% of the specified torque value for plated fasteners. Use 85% of the specified torque values for lubricated fasteners.

Saddle Clamp Assembly

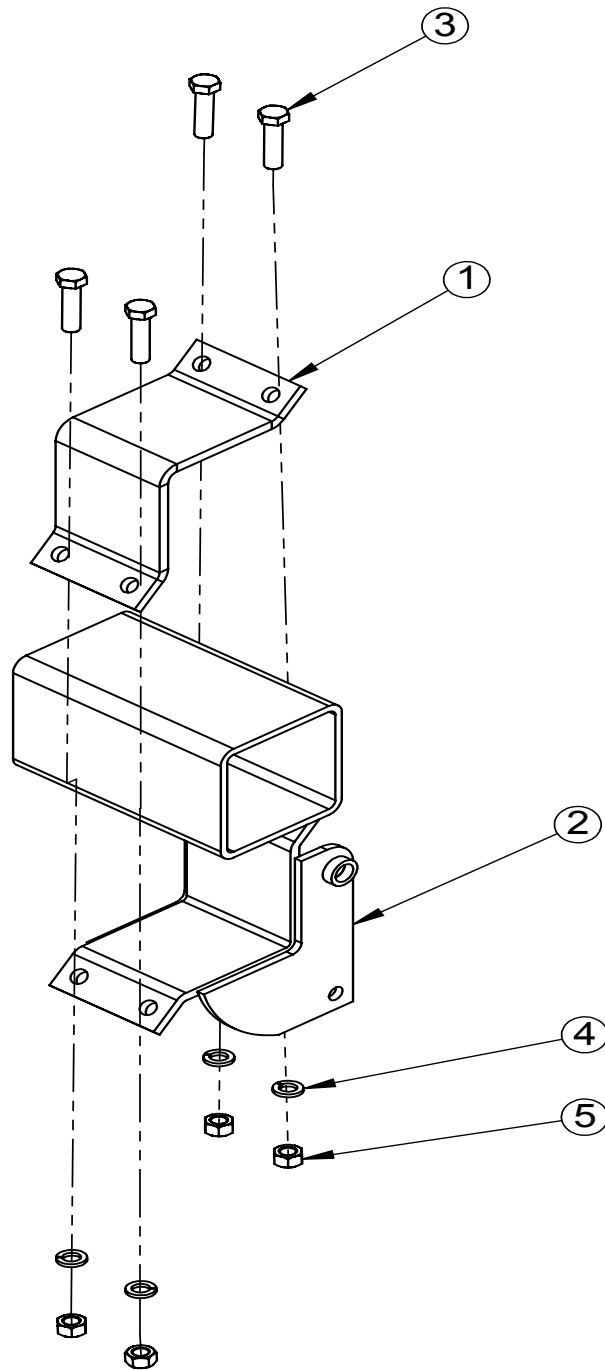
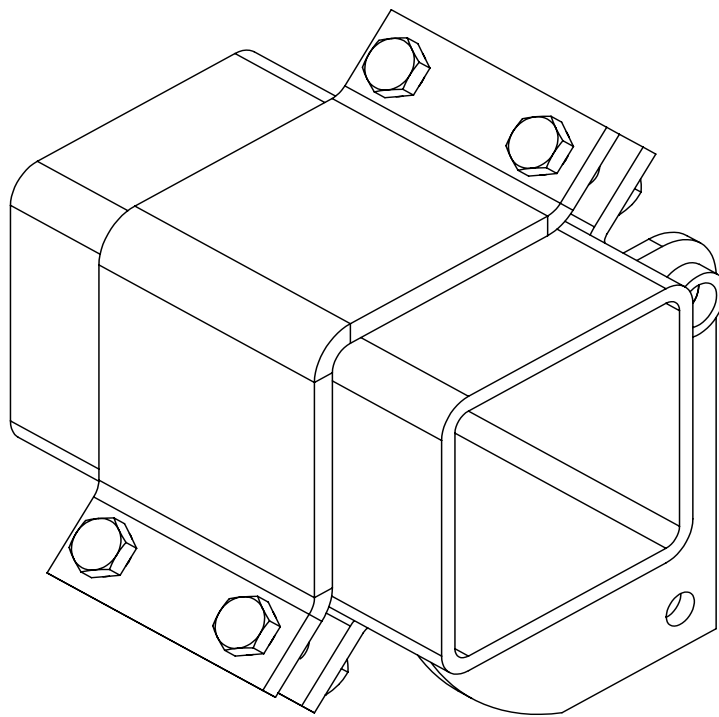


Fig.	Part no.	Qty	Description
1	76400200	1	1/2 X 6 X 17" Saddle Clamp
2	76802013	1	Saddle Clamp Weldment
3	600356000	4	3/4"- 10 X 3" Hex Bolt - Plt. Gr.5
4	600382055	4	3/4" Lock Washer - Plt.
5	600365019	4	3/4"- 10 Hex Nut - Plt.



Parallel Linkage Assembly

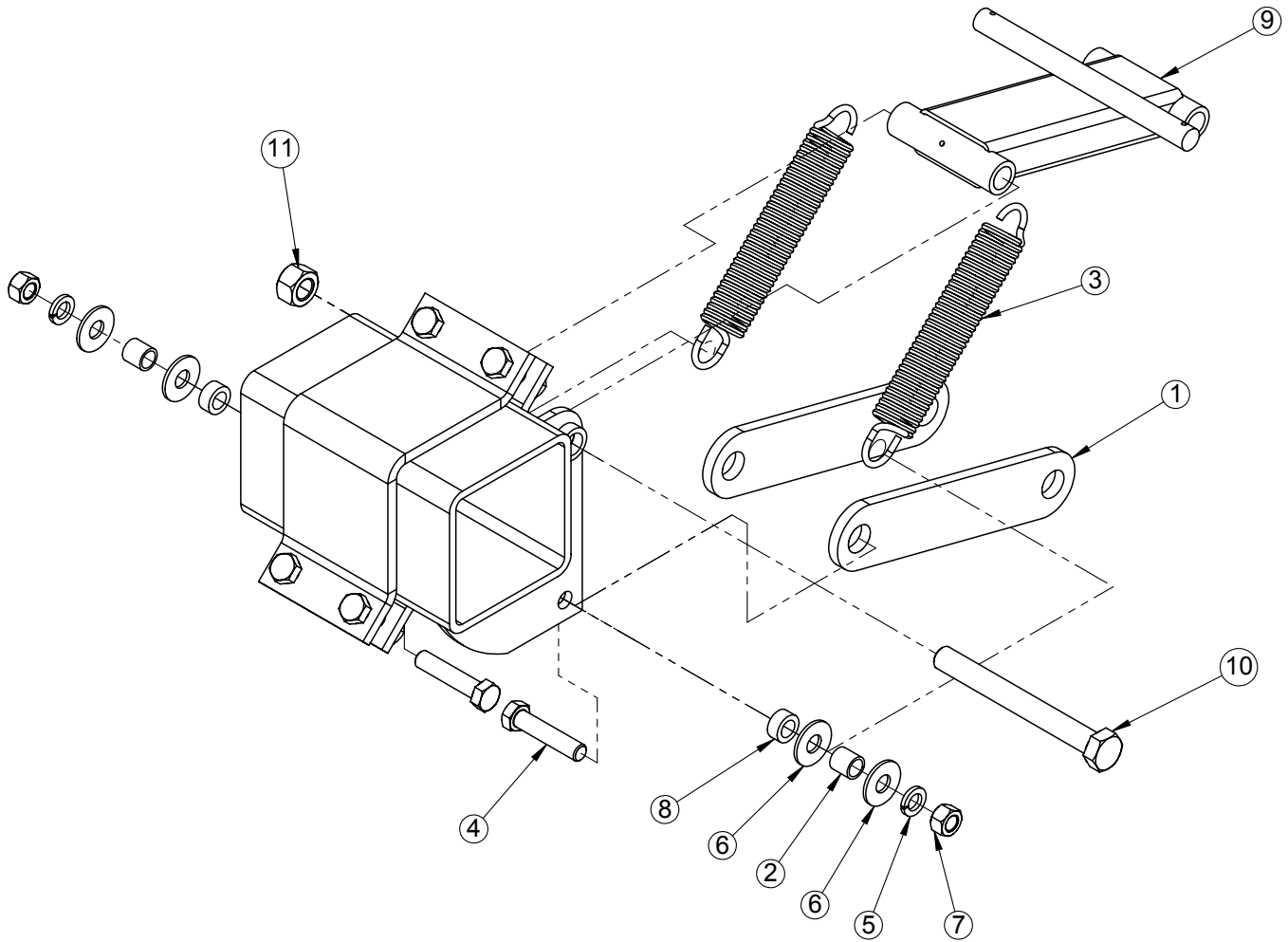
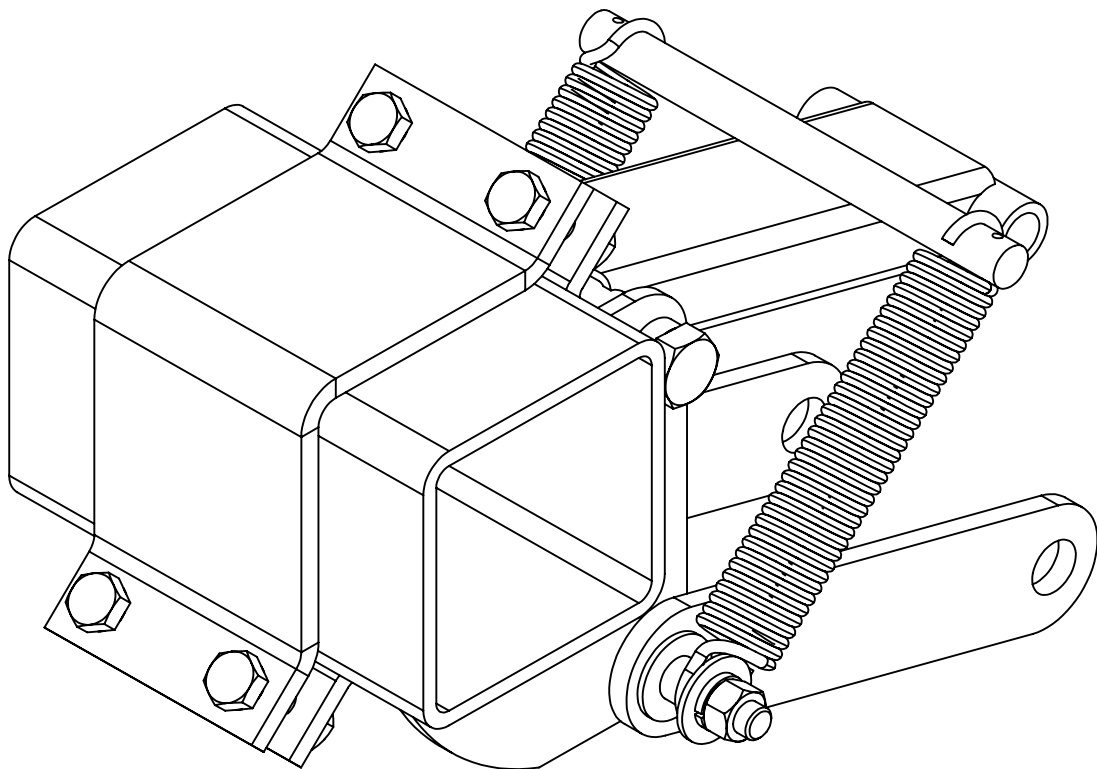


Fig.	Part no.	Qty	Description
1	76400234	2	1/2" X 3 X 14" - Flat
2	76602241	2	1" O.D. X 3/4" I.D. X 1" - Bushing
3	76450084	2	1- 5/8" O.D. X 9" - Pull Spring
4	600356045	2	3/4"- 10 X 3- 1/2" Hex Bolt - Plt. Gr. 5
5	600382055	2	3/4" Lock Washer - Plt.
6	600381009	4	3/4" Flat Washer - Plt.
7	600365019	2	3/4"- 10 Hex Nut - Plt.
8	76602230	2	1.25" O.D. X 0.774" I.D. X 0.5625" - Bushing
9	76802014	1	Tension Spring Arm Weldment
10	600356009	1	1"- 8 X 9" Hex Bolt - Plt. Gr. 5
11	600366032	1	1"- 8 Top Lock Nut



Sideplate Weldment Assembly

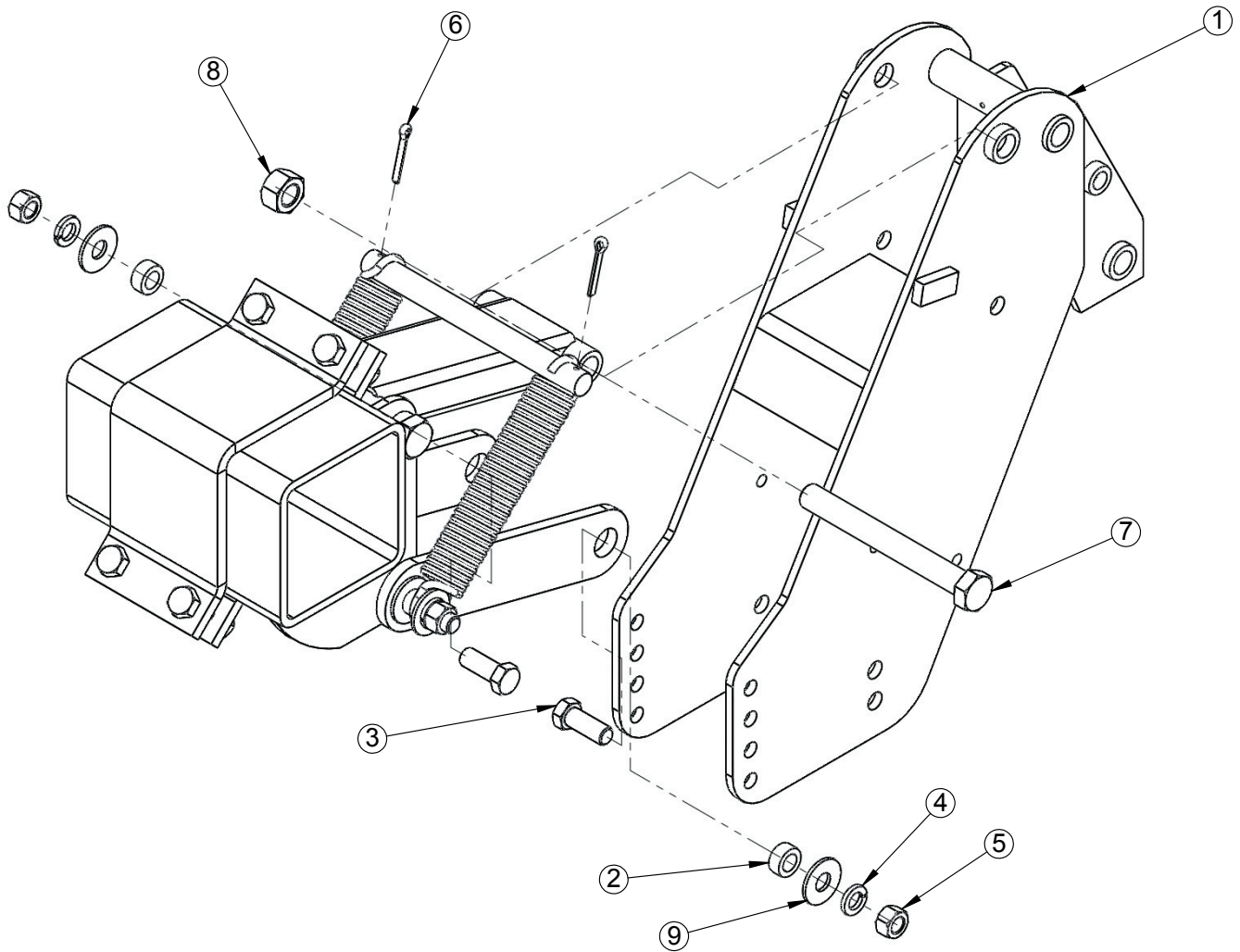
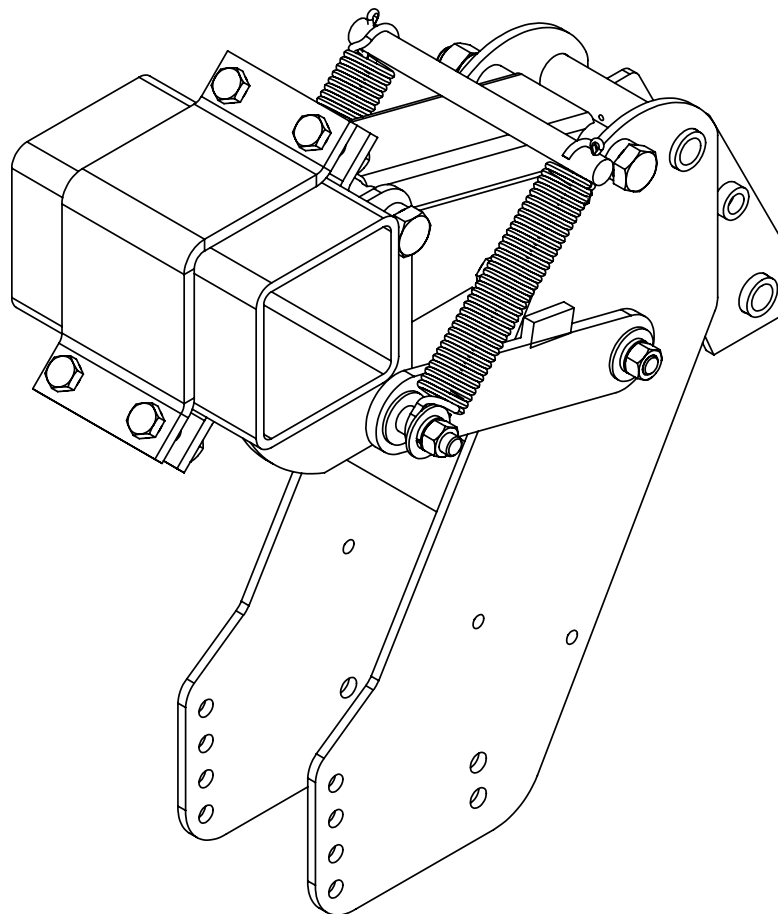


Fig.	Part no.	Qty	Description
1	76802031	1	Auto- Reset Sideplate Weldment
2	76602230	2	1.25" O.D. X 0.774" I.D. X 0.5624" - Bushing
3	600355100	2	3/4"- 10 X 1- 1/2" Hex Bolt - Plt. Gr. 5
4	600382055	2	3/4" Lock Washer - Plt.
5	600365019	2	3/4"- 10 Hex Nut - Plt.
6	76101265	2	1/4" X 2" - Cotter Pin
7	600356009	1	1"- 8 X 9" Hex Bolt - Plt. Gr. 5
8	600366032	1	1"- 8 Top Lock Nut - Plt.
9	600381009	2	3/4" Flat Washer - Plt.



Gauge Wheels Assembly

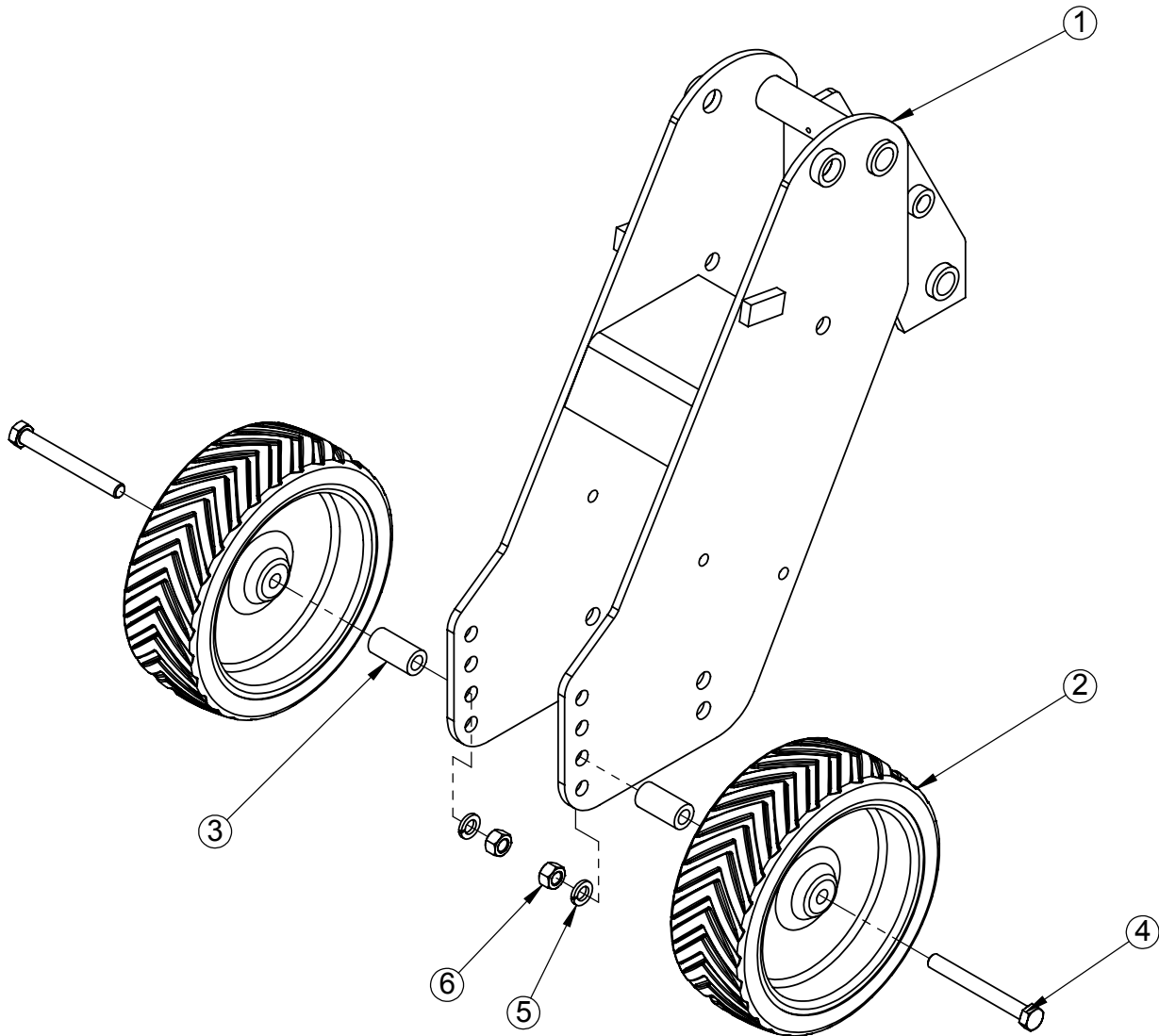
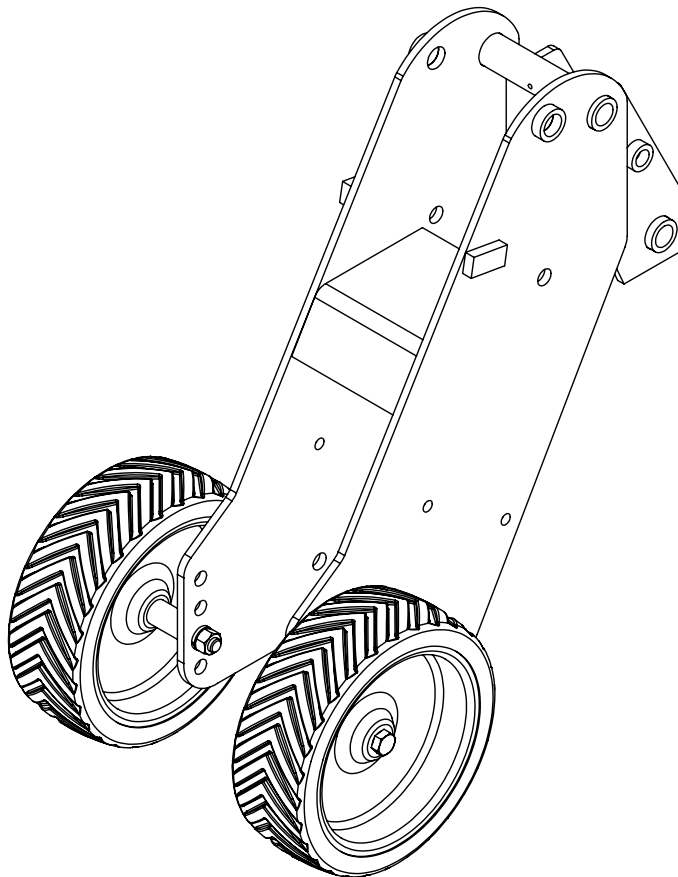


Fig.	Part no.	Qty	Description
1	76802031	1	Auto- Reset Sideplate Weldment
2	76400241	2	Depth Control Gauge Wheel
3	76602242	2	Spacer Bushing
4	600356146	2	5/8"- 11 X 5- 1/2" Hex Bolt - Plt. Gr. 5
5	600382054	2	5/8" Lock Washer - Plt.
6	600365014	2	5/8"- 11 Hex Nut - Plt.



Front Coulter Assembly

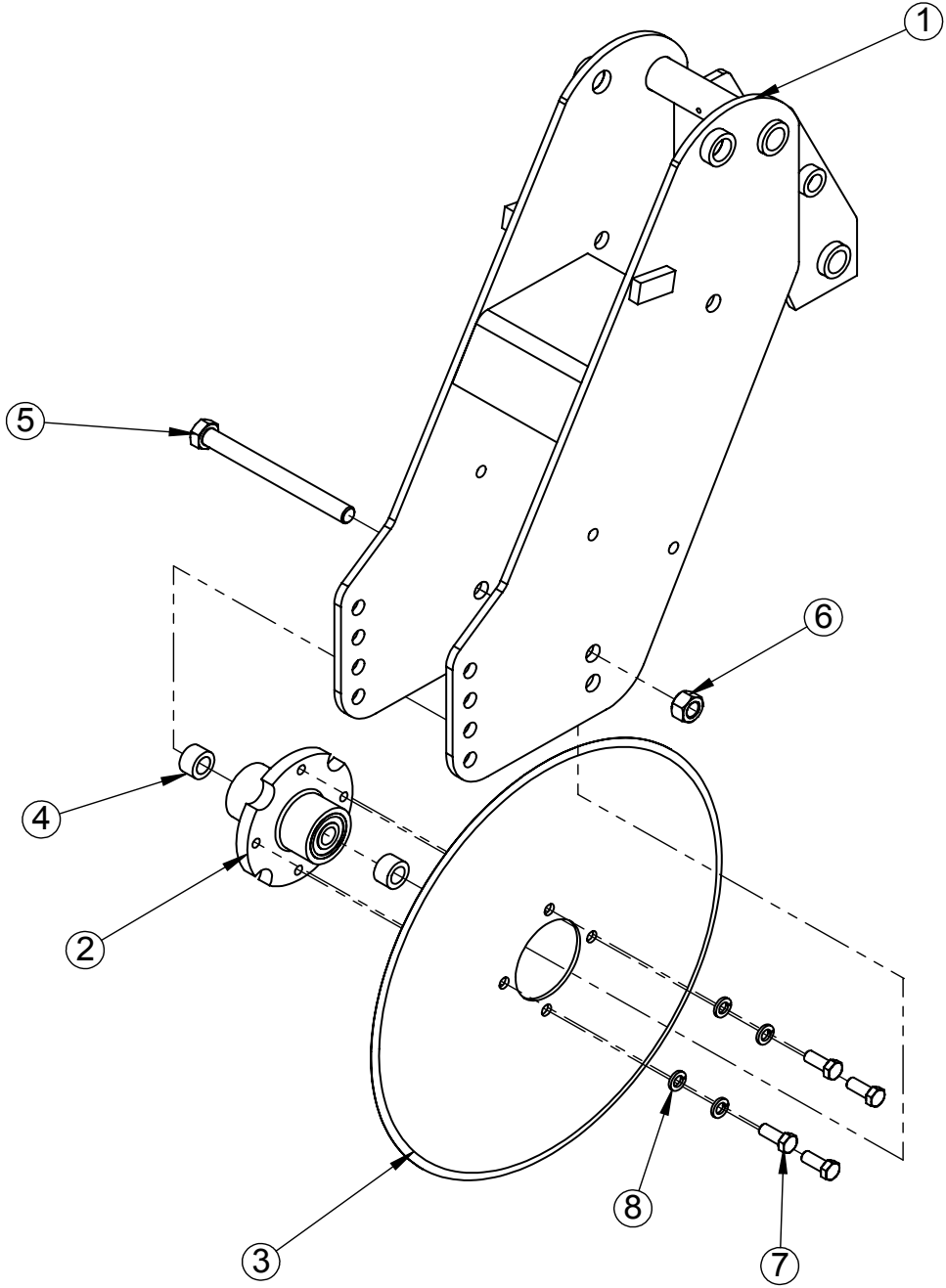
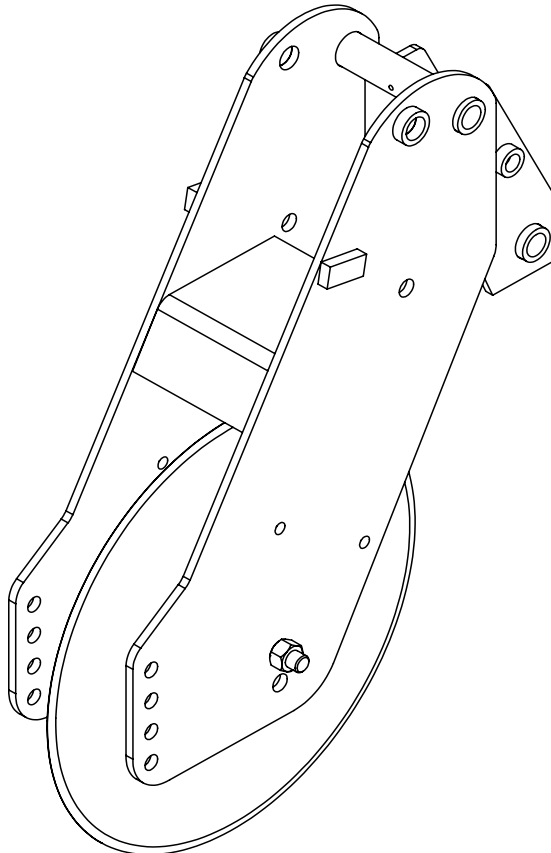


Fig.	Part no.	Qty	Description
1	76802031	1	Auto- Reset Sideplate Weldment
2	76301254	1	4 Bolt Hub- 5" Bolt Circle Assembly
3	76400097	1	20" Smooth Coulter Blade
4	76602233	2	1.25" O.D. X 0.774" I.D. X 0.75" - Bushing
5	600355101	1	3/4"- 10 X 8" Hex Bolt - Plt. Gr. 5
6	600366024	1	3/4"- 10 Top Lock Hex Nut - Plt.
7	76301193	4	1/2"- 20 x 1- 1/4" Whiz Bolt
8	600382053	4	1/2" Lock Washer - Plt.



Walking Arm Assembly

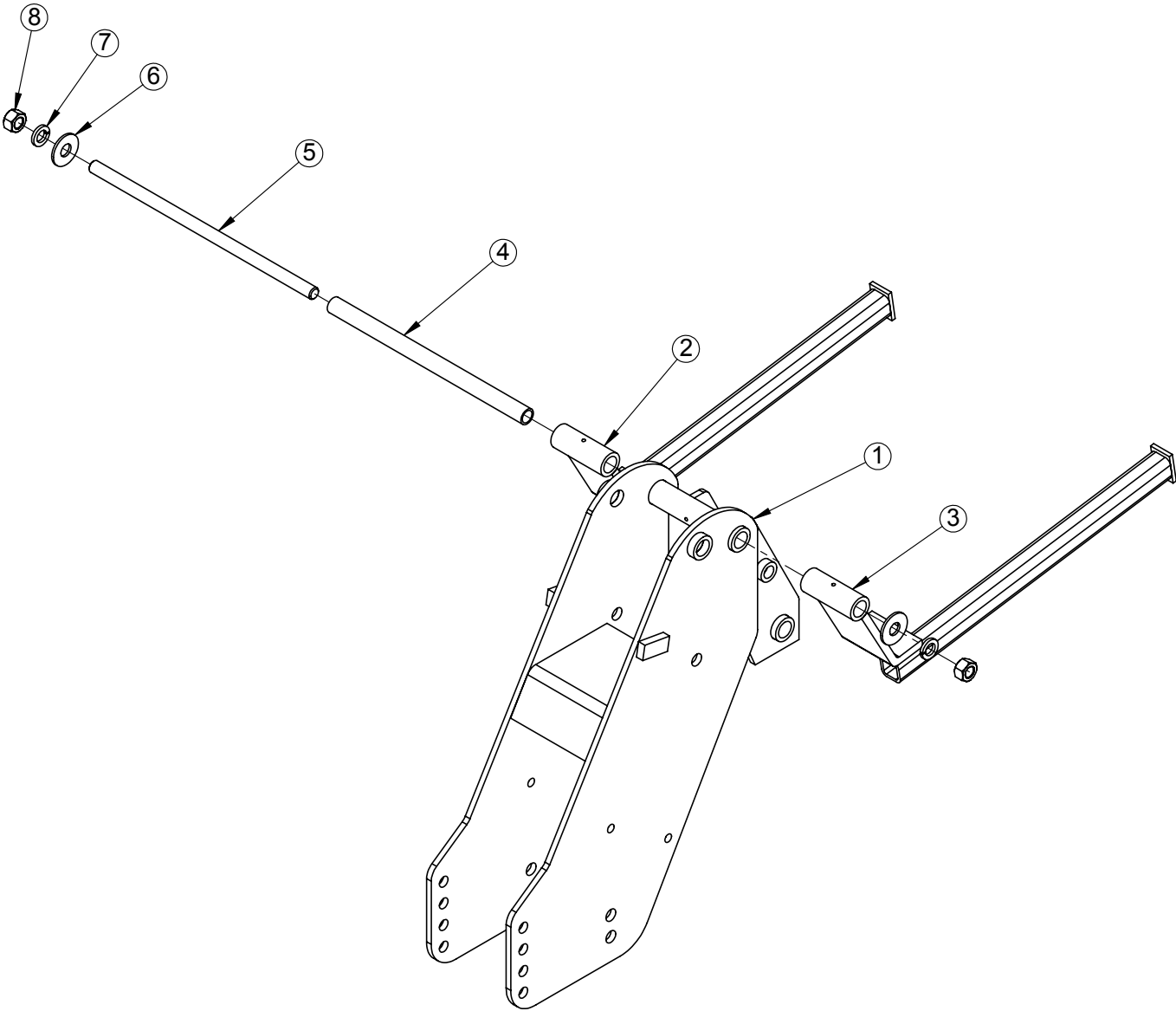
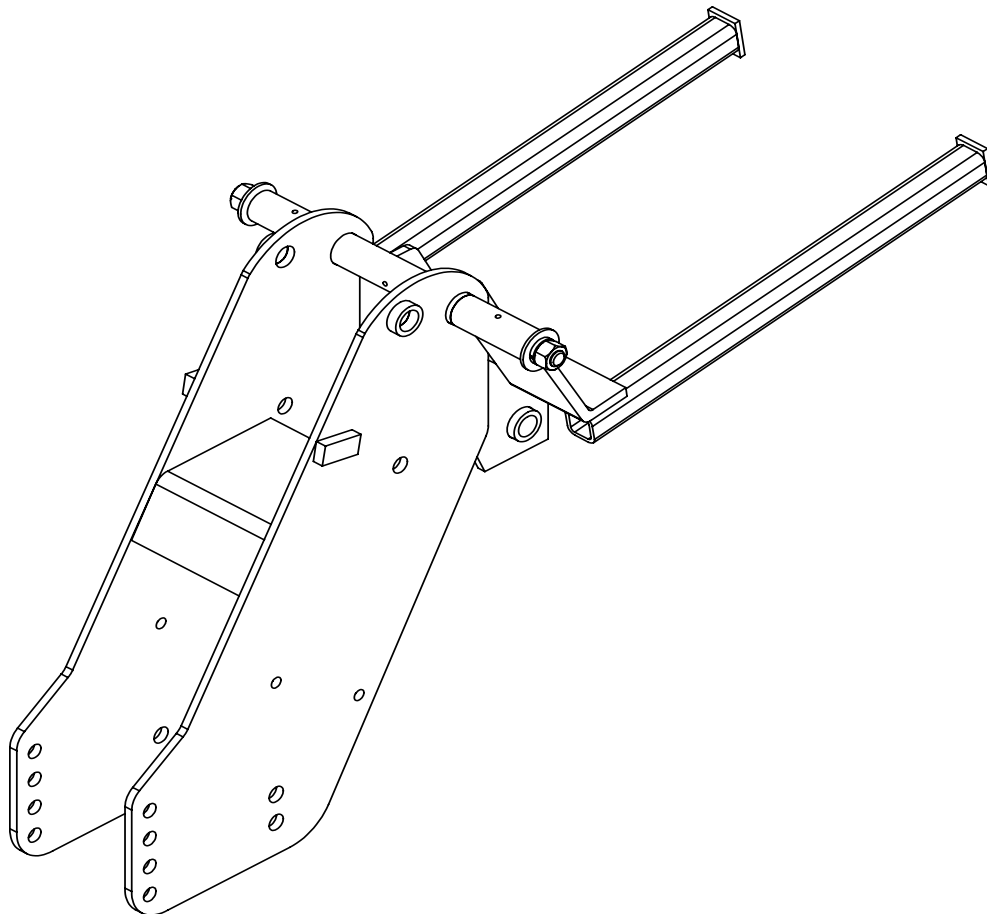


Fig.	Part no.	Qty	Description
1	76802031	1	Auto- Reset Sideplate Weldment
2	76802033	1	Right Walking Arm Weldment
3	76802032	1	Left Walking Arm Weldment
4	763000032	1	1" O.D. 0.774" I.D. 15- 1/2" - Bushing
5	763000033	1	3/4"- 10 X 17- 3/4" - Threaded Rod
6	600381009	2	3/4"- Flat Washer - Plt.
7	600382055	2	3/4"- Lock Washer - Plt.
8	600365019	2	3/4"- 10 Hex Nut - Plt.



Disk Sealer Arms Assembly

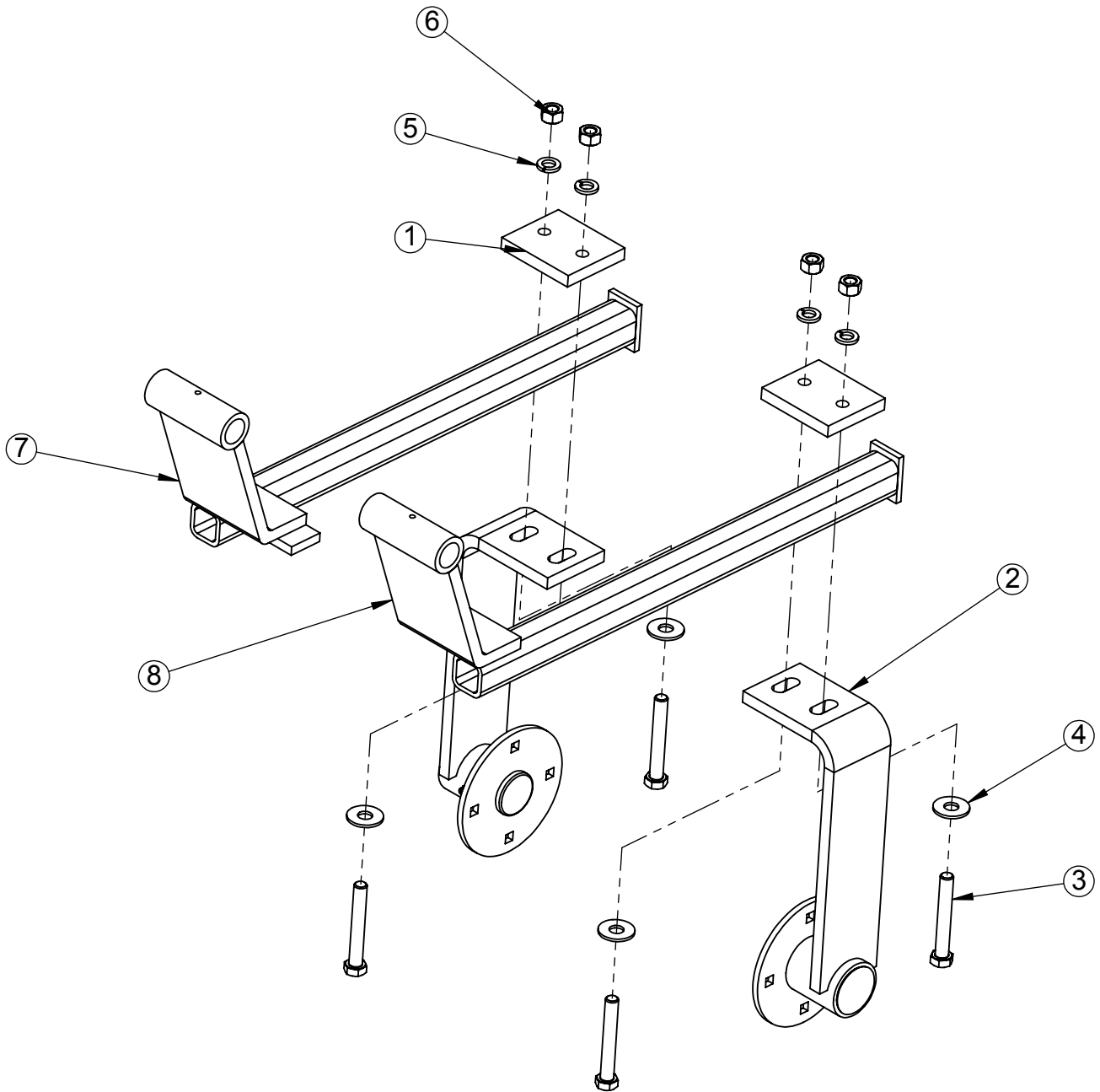
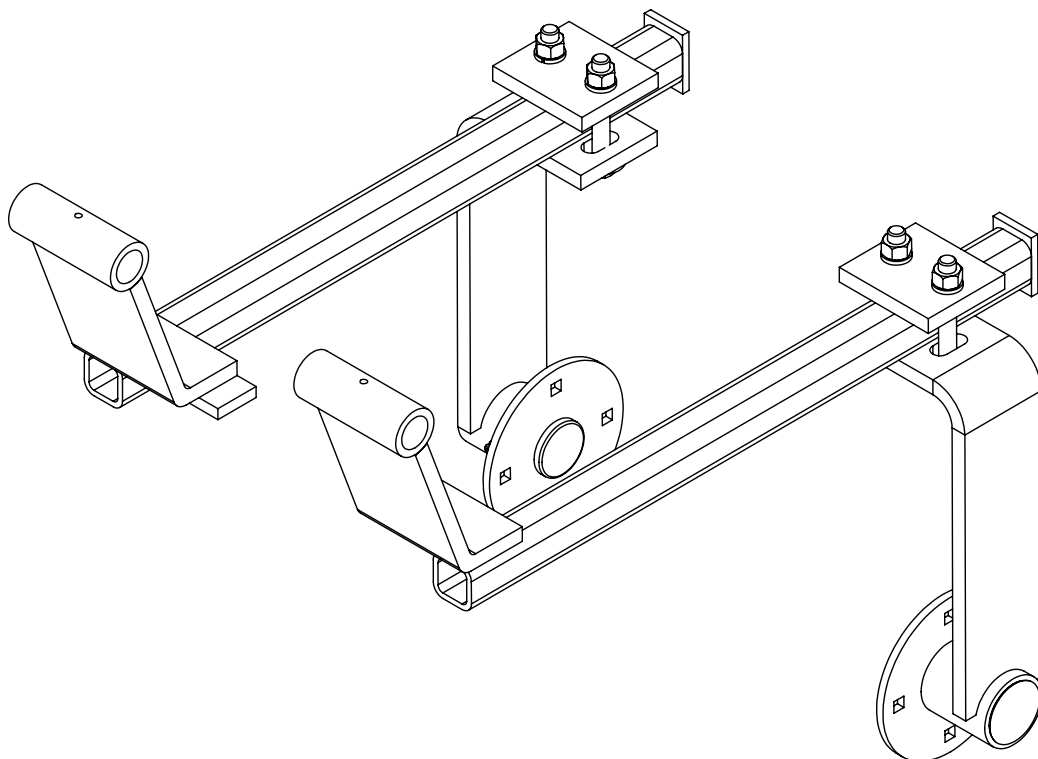


Fig.	Part no.	Qty	Description
1	76400259	2	Walking Arm Clamp Bracket
2	76801330	2	Sealer Arm Assembly
3	600356137	4	1/2" - 13 X 3- 1/2" Hex Bolt - Plt. Gr. 5
4	600381050	4	1/2" Flat Washer - Plt.
5	600382053	4	1/2" Lock Washer - Plt.
6	600365009	4	1/2" Hex Nut - Plt.
7	76802032	1	Left Walking Arm Weldment
8	76802033	1	Right Walking Arm Weldment



Auto Reset Trip Assembly

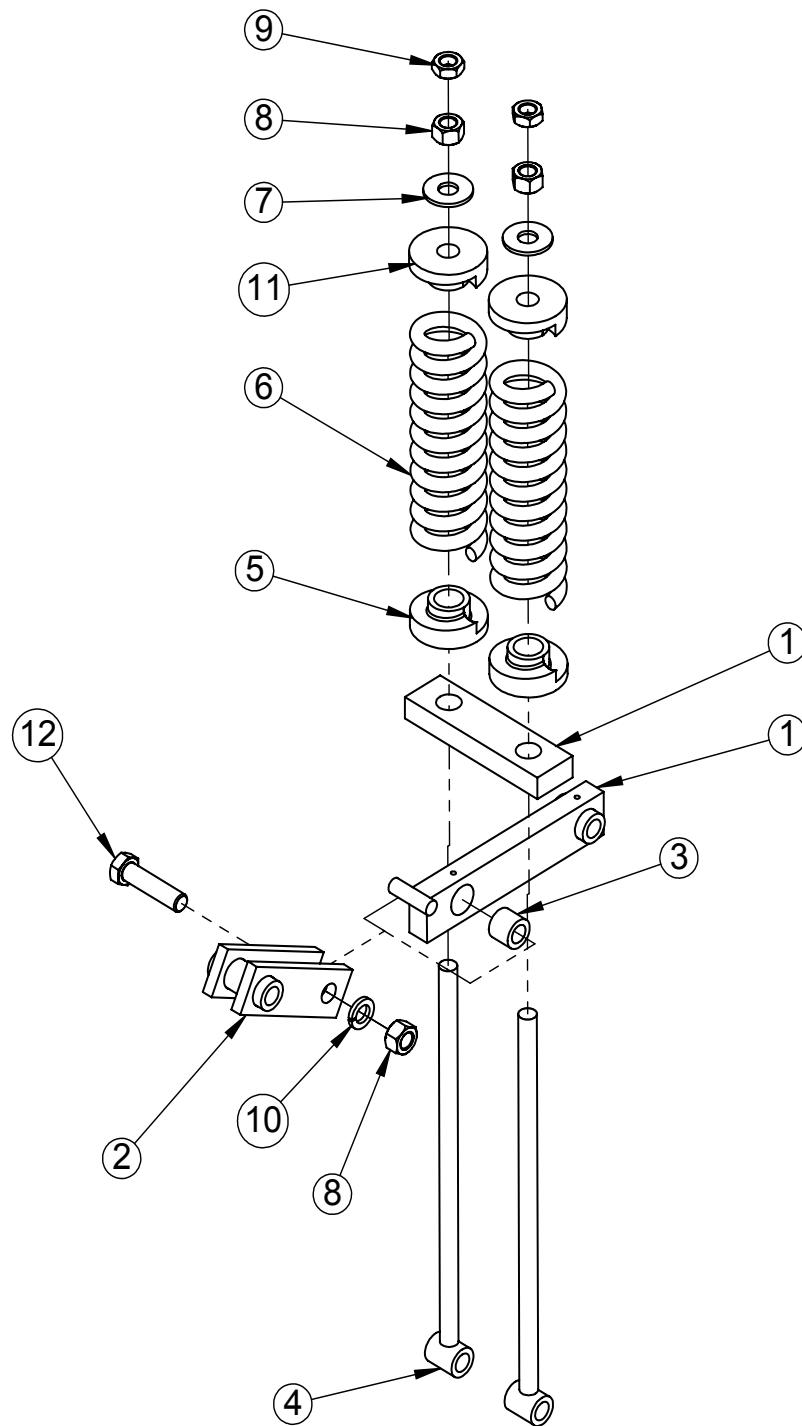
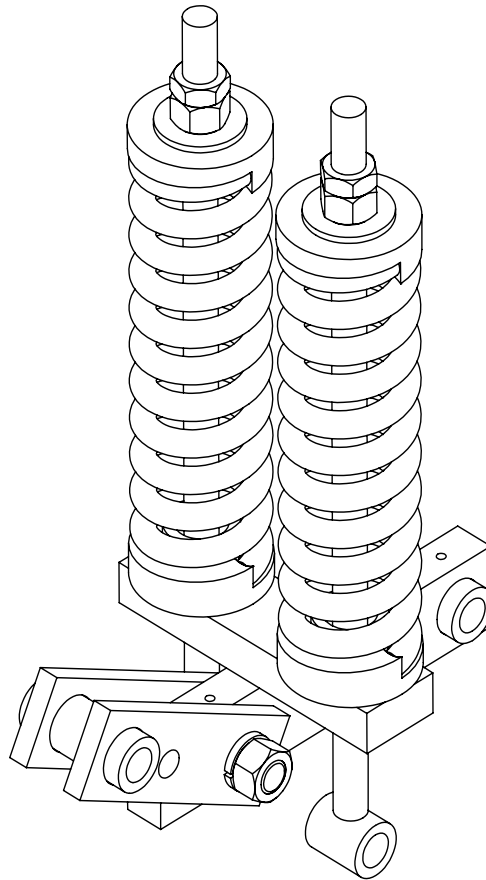


Fig.	Part no.	Qty	Description
1	76801687	1	Auto- Reset Bracket
2	76801811	1	Auto- Reset Trip Linkage
3	76602211	1	1- 1/4" O.D. X 3/4" I.D. 1- 1/16" - Bushing
4	76801688	2	17- 1/2" Spring Tension Rod
5	76400096	4	Spring Retainer Casting
6	76400095	2	Compression Spring
7	600381009	2	3/4" Flat Washer - Plt.
8	600365019	3	3/4"- 10 Hex Nut - Plt.
9	600365031	2	3/4" - Jam Nut - Plt.
10	600382055	1	3/4" Lock Washer - Plt.
11	600356000	1	3/4"- 10 X 3" Hex Bolt - Plt. Gr. 5



Shank, Knife, and Auto- Reset Assembly

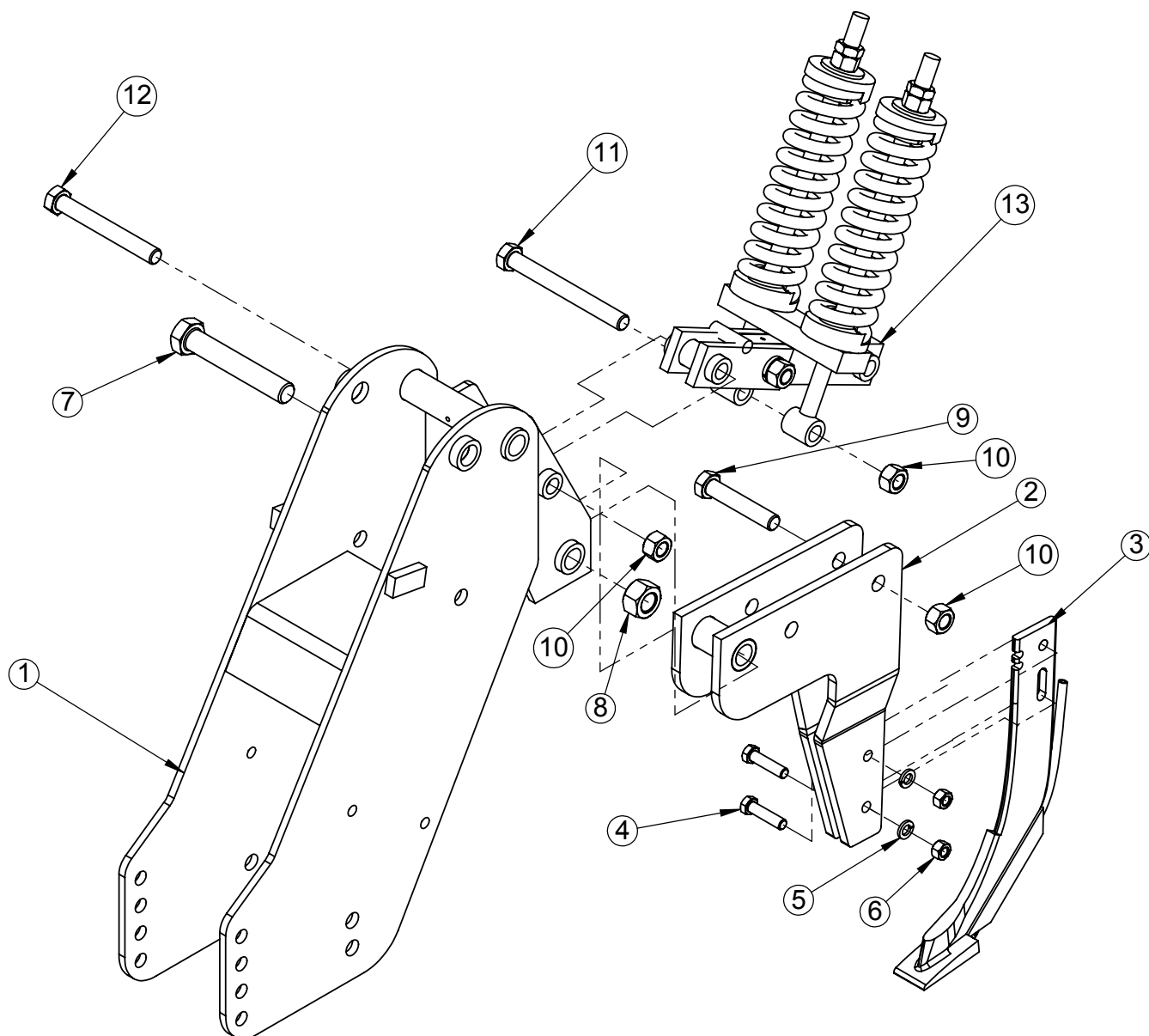
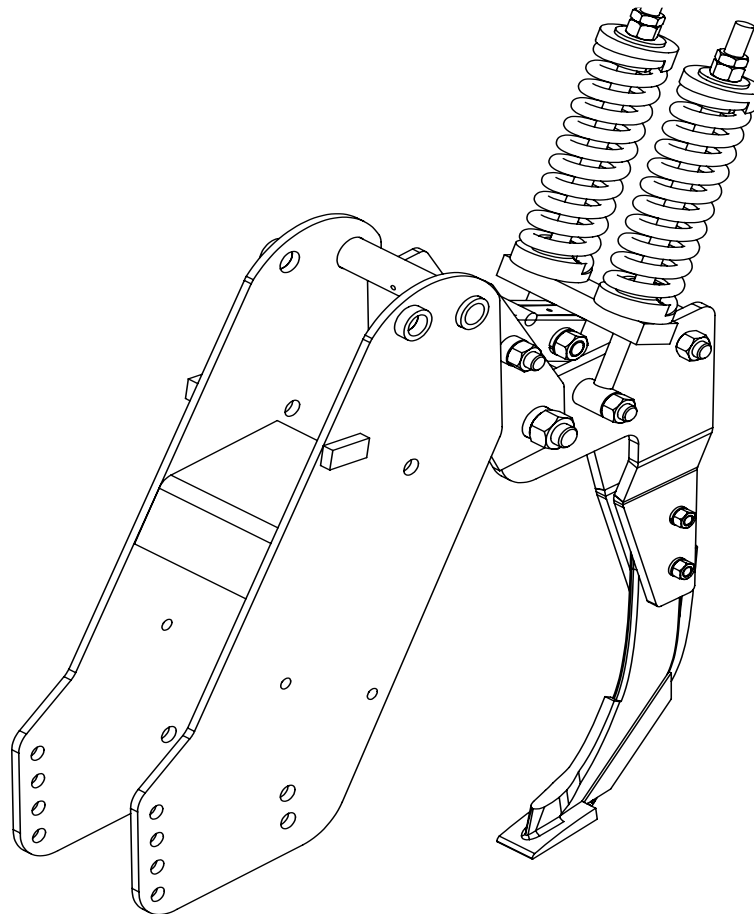


Fig.	Part no.	Qty	Description
1	76802031	1	Auto- Reset Sideplate Weldment
2	76801810	1	Parallel Row Unit Trip Shank
3	76400197	1	Standard Mole Knife with 3/8" NH3 Tube
4	600356128	2	1/2"- 13 2" - Hex Bolt - Plt.
5	600382053	2	1/2" Lock Washer - Plt.
6	600365009	2	1/2"- 13 - Hex Nut - Plt.
7	600356154	1	1"- 8 X 6" - Hex Nut - Plt. Gr. 5
8	600366032	1	1"- 8 Top Lock Hex Nut - Plt.
9	600356012	1	3/4"- 10 X 4" - Hex Bolt - Plt.
10	600366024	3	3/4"- 10 Top Lock Hex Nut - Plt.
11	600356152	1	3/4"- 10 X 7" - Hex Bolt - Plt. Gr. 5
12	600356130	1	3/4"- 10 X 6" - Hex Bolt - Plt. Gr. 5
13		1	Auto- Reset trip Assembly



Trash Wheel Assembly

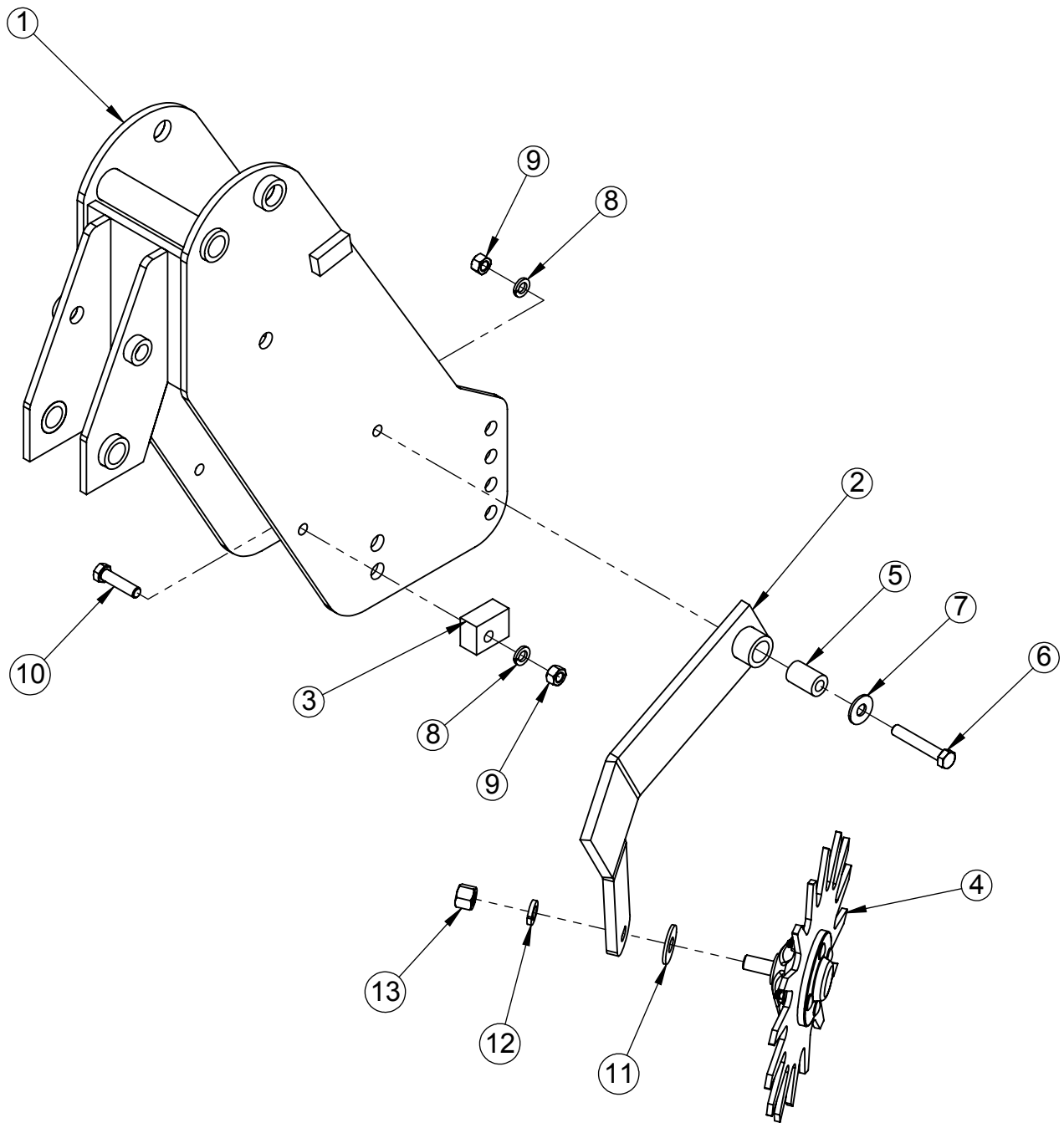
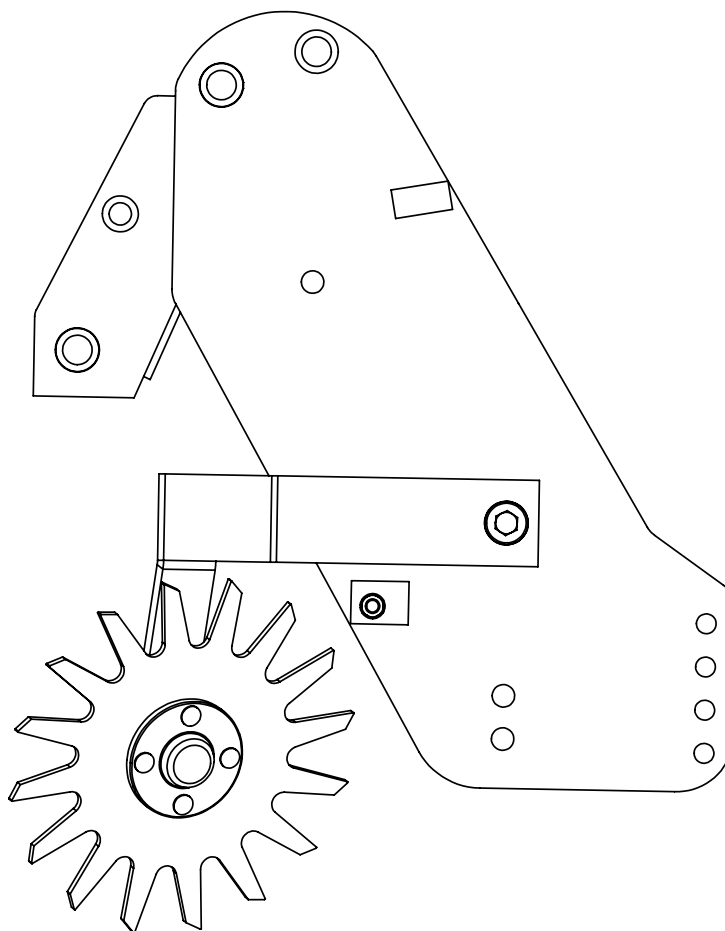


Fig.	Part no.	Qty	Description
1	76802031	1	Auto- Reset Sideplate Weldment
2	76801831	1	Left Trash Wheel Arm
	76801832	1	(Right Side) Right Trash Wheel Arm
3	76400238	2	Trash Wheel Height Adjustment Cam
4	76450077	2	Trash Wheel
5	76602232	2	1" O.D. X 0.524" I.D. X 1- 9/16" - Bushing
6	600356003	2	1/2"- 13 X 3" - Hex Nut - Plt. Gr. 5
7	600381050	2	1/2" Flat Washer - Plt.
8	600382053	4	1/2" Lock Washer - Plt.
9	600365009	4	1/2"- 13 Hex Nut - Plt.
10	600356128	2	1/2"- 13 X 2" Hex Bolt - Plt. Gr. 5
11	600381020	2	5/8" Flat Washer Plt.
12	600382100	2	5/8" Lock Washer - Yellow Zinc
13	76101775	2	5/8"- 11 Hex Nut - Yellow Zinc
			NOTE: ITEM #4 SHOULD BE ADJUSTED IN THE SAME POSITION FOR BOTH TRASH WHEELS
			NOTE: QUANTITIES SHOWN ARE FOR BOTH LEFT AND RIGHT



Disk Sealer Hub Assembly

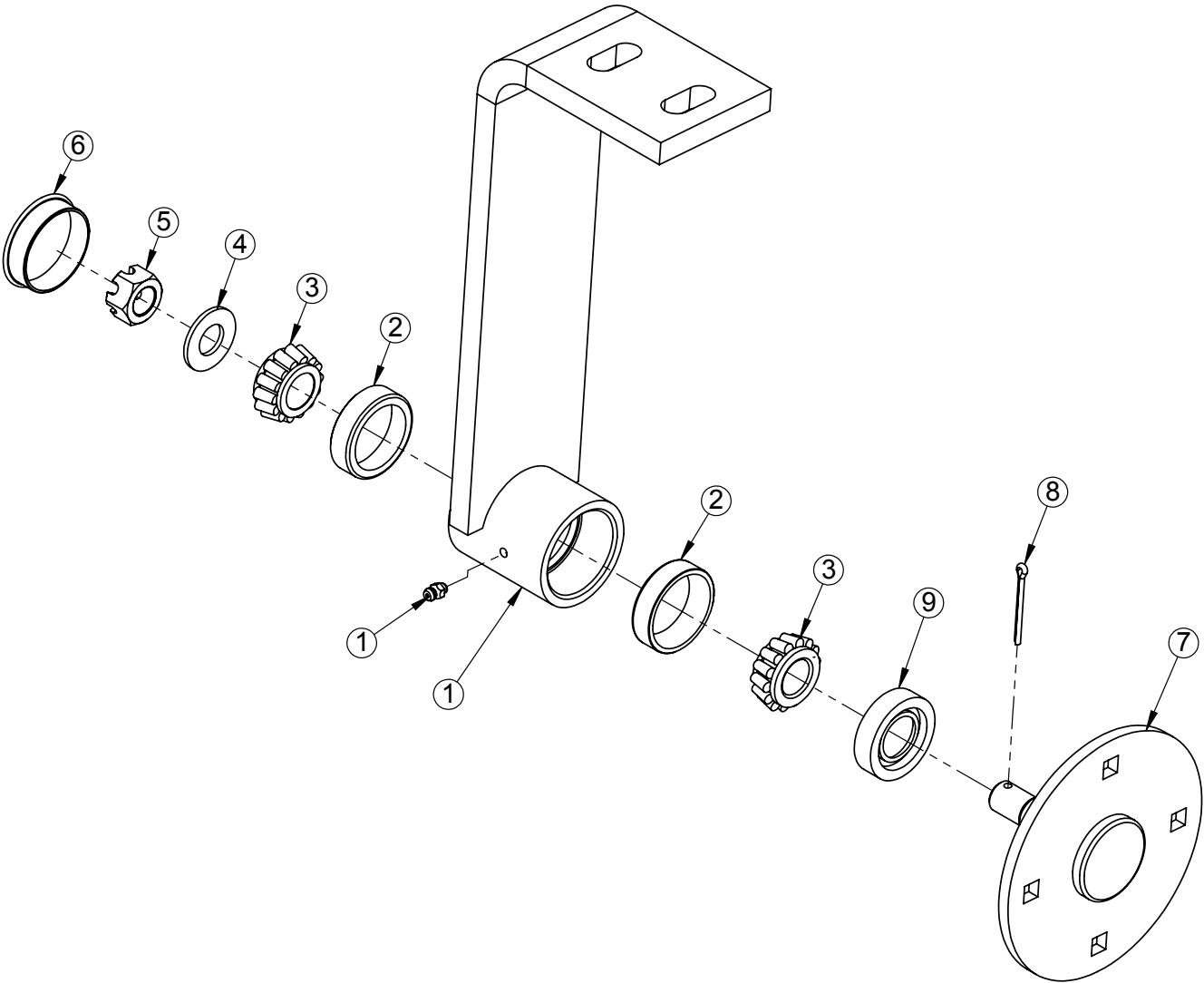
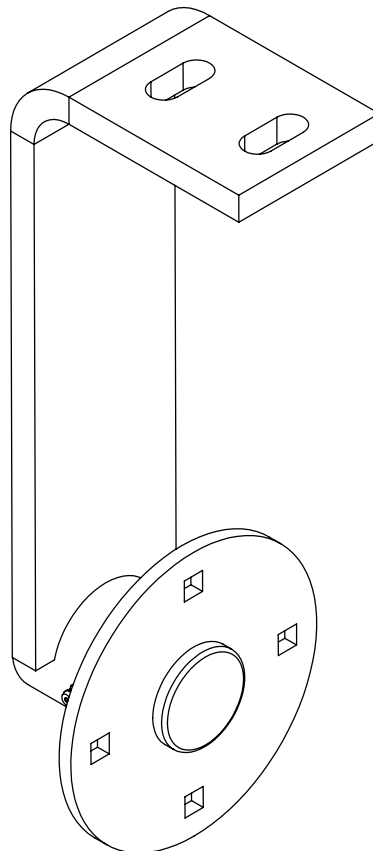


Fig.	Part no.	Qty	Description
1	76801569	1	Disk Sealer Hub Bracket Weldment
2	76301210	2	Bearing Cup - LM11910
3	76301185	2	Bearing - LM11949
4	600381052	1	Flat Washer 5/8" - SAE
5	76301209	1	5/8"- 18 Castellated Nut
6	76301212	1	Dust Cap
7	76301213	1	Disk Sealer Spindle Weldment (PFPI)
8	76101361	1	1/8" O.D. X 1- 1/2" Cotter Pin - Plt.
9	76301207	1	Disc Sealer Grease Seal - CR10035



Disk Sealer Coulter Assembly

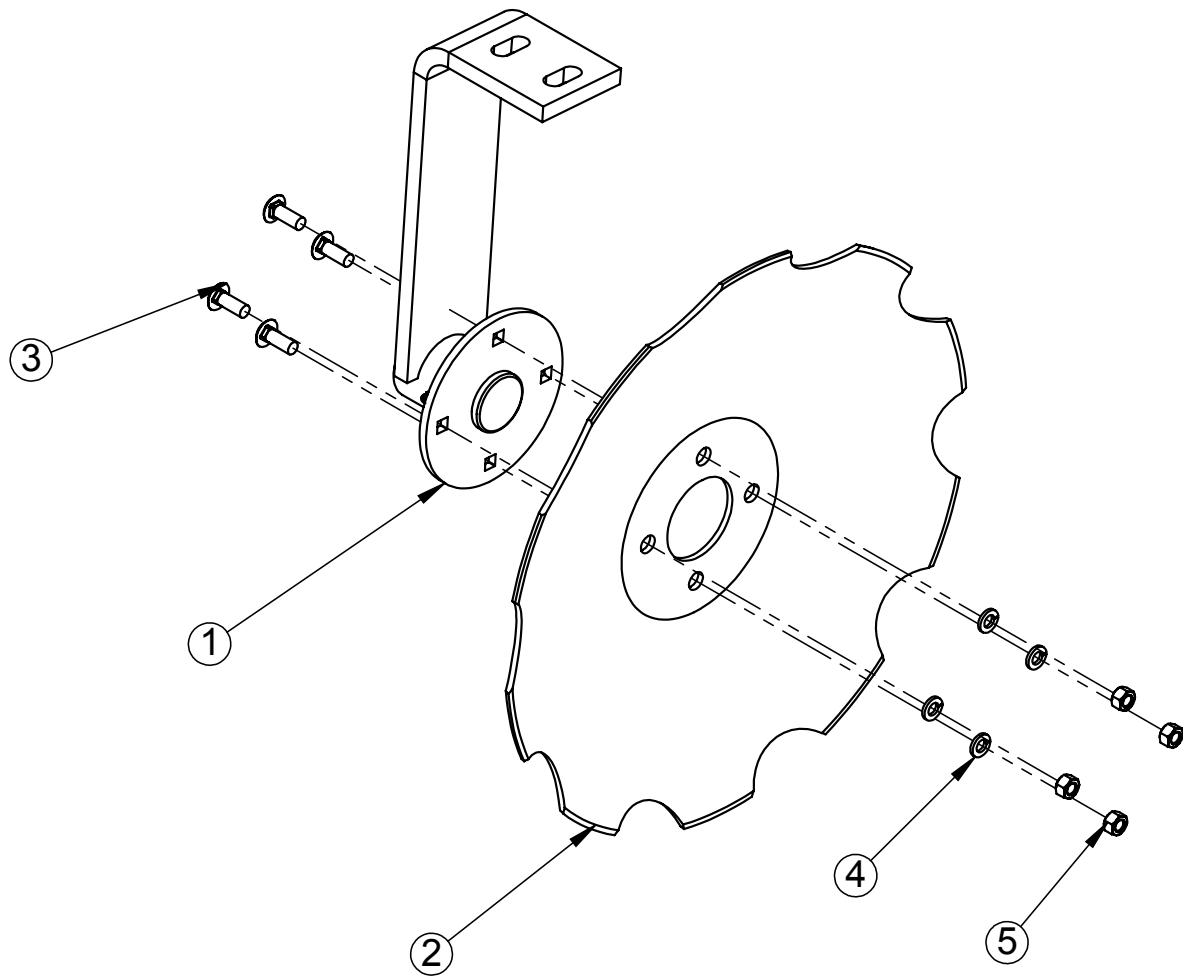
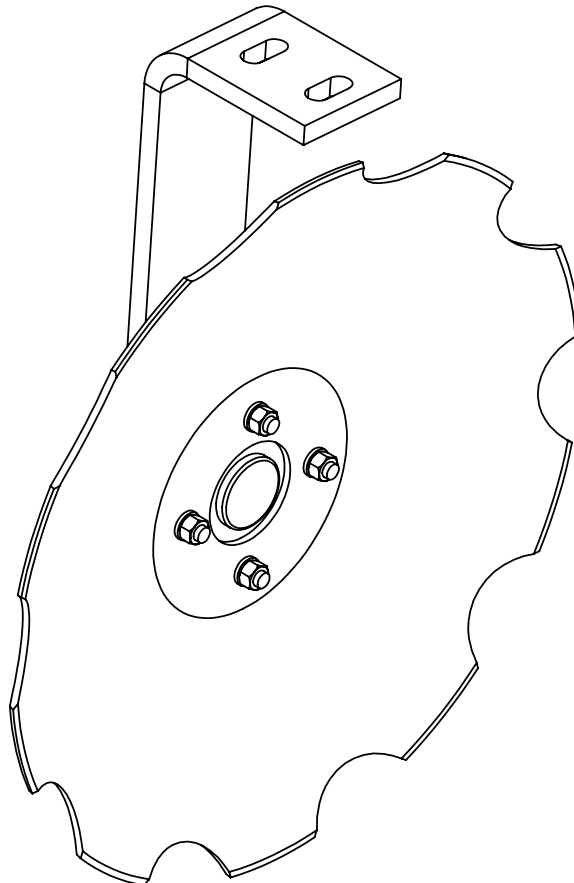


Fig.	Part no.	Qty	Description
1	76801330	2	Disk Sealer Hub Assembly
2	76400107	2	18" Notched Disk
3	600361003	8	3/8"- 16 X 1" Carriage Bolt
4	600382051	8	3/8" Lock Washer - Plt.
5	600365008	8	3/8"- 16 Hex Nut - Plt.
			NOTE: QUANTITIES SHOWN ARE FOR BOTH LEFT AND RIGHT



4 Bolt Hub Assembly

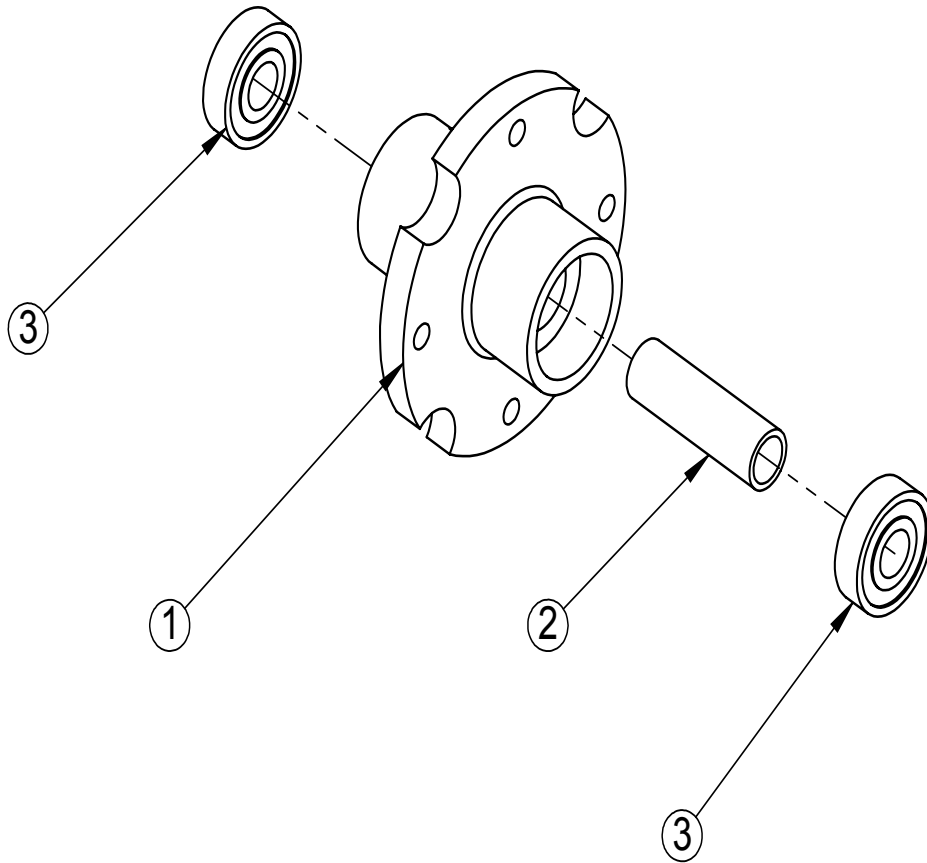
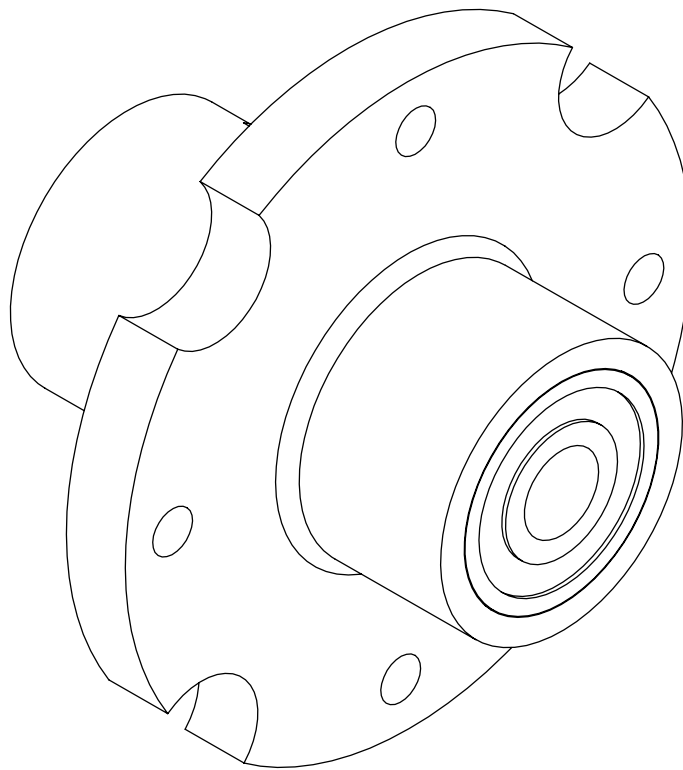
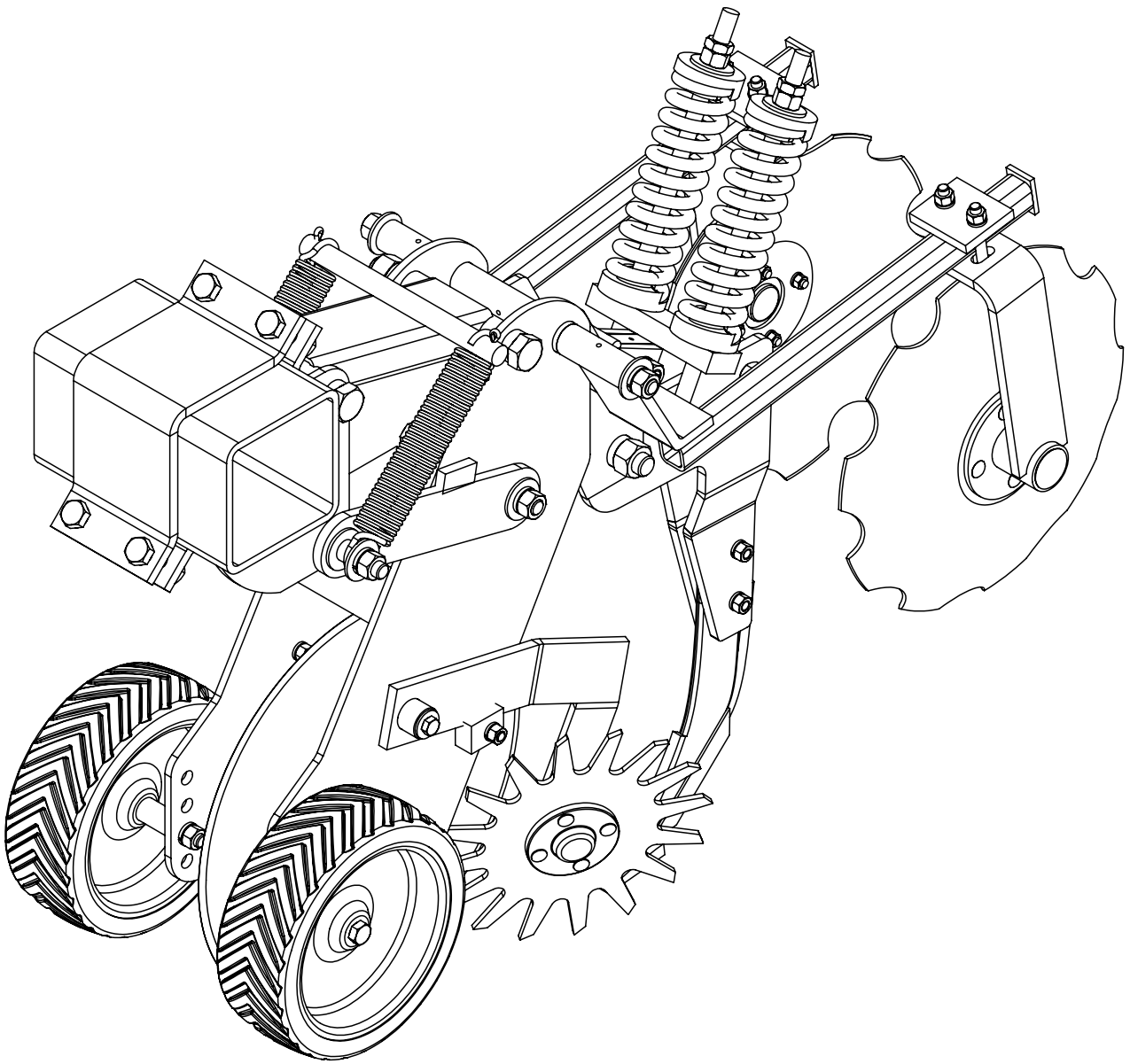


Fig.	Part no.	Qty	Description
1	763012542	1	G10- 4- 4 Bolt Hub with 5" Bolt Circle
2	760000139	1	1- 1/4" O.D. X 0.774" I.D. X 3- 17/64" - Bushing
3	76450079	2	Sealed Roller Bearing





ZERK LOCATIONS

