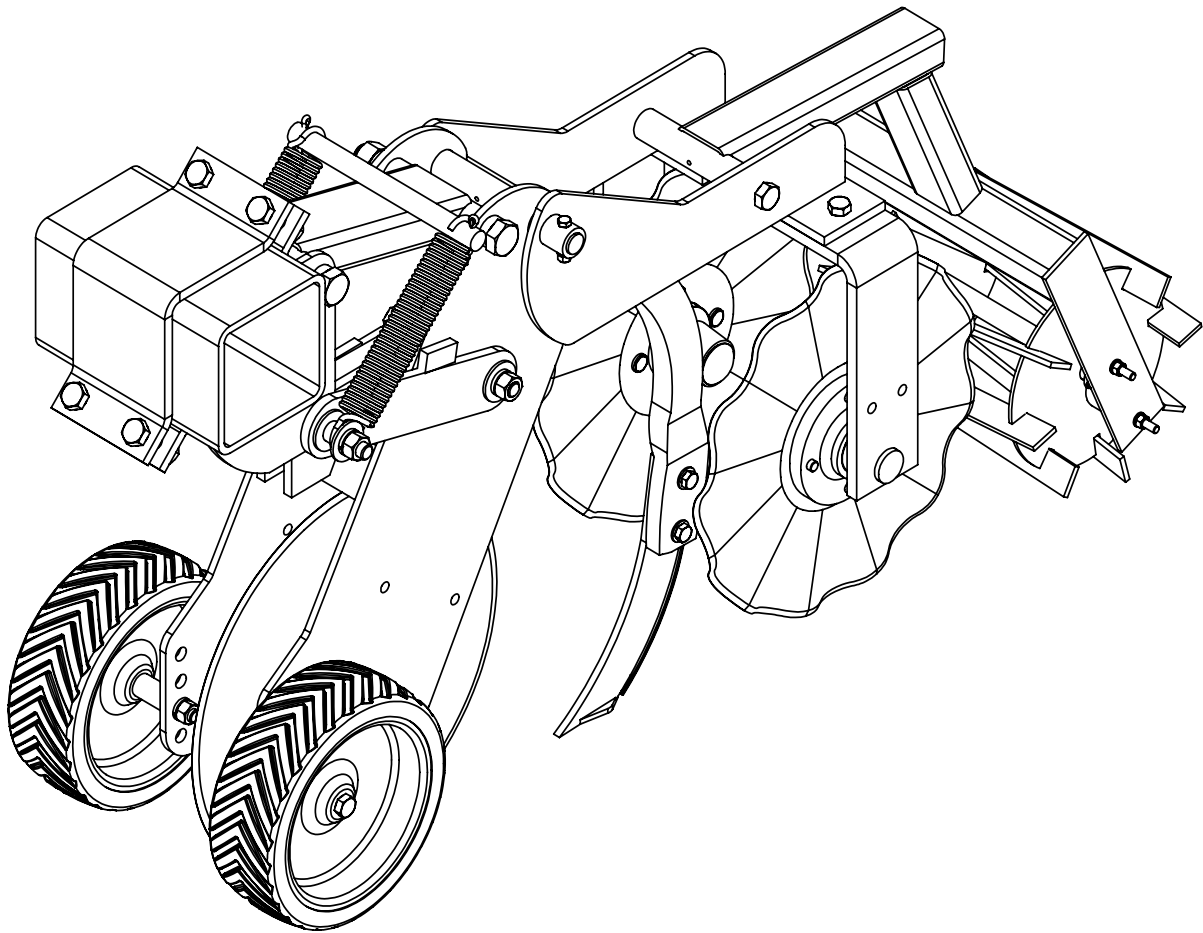


Row Pro 300

Combo Unit

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	4
Torque Specification Table	5
Side Clamp Assembly.....	6
Parallel Linkage Assembly.....	8
Sideplate Weldment Assembly.....	10
Gauge Wheel Assembly	12
Front Coulter Assembly	14
Walking Arm Assembly	16
Walking Coulter Arm Assembly	18
Rolling Basket Assembly	20
Shank and Knife Assembly	22
Hub and Spindle Assembly	24
Wavy Coulter Assembly	26
4 Bolt Hub Assembly	28
Row Pro 300: Combo Unit Final Assembly	30
Row Pro 300: Combo Unit ZERK Locations	31



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.

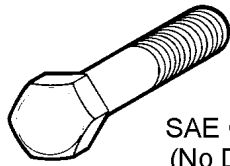
BOLT TORQUE

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.

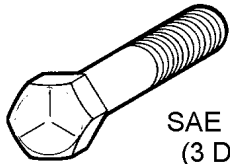
TORQUE SPECIFICATIONS

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

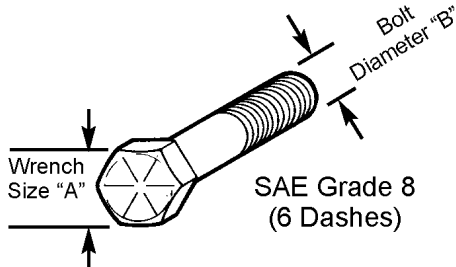
AMERICAN Bolt Head Markings



SAE Grade 2
(No Dashes)



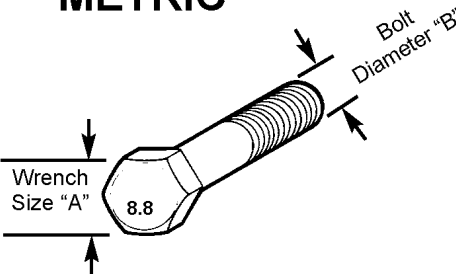
SAE Grade 5
(3 Dashes)



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

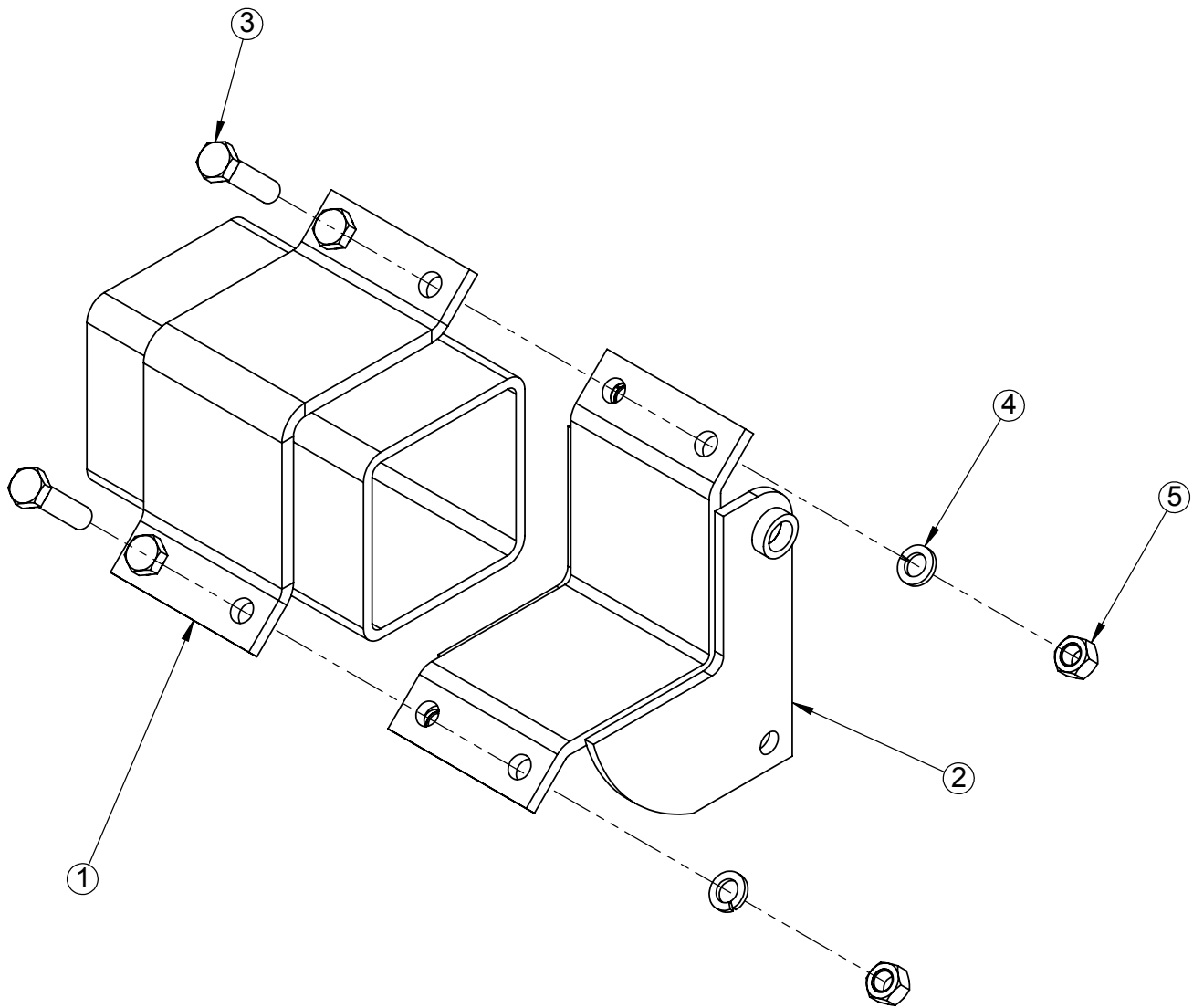
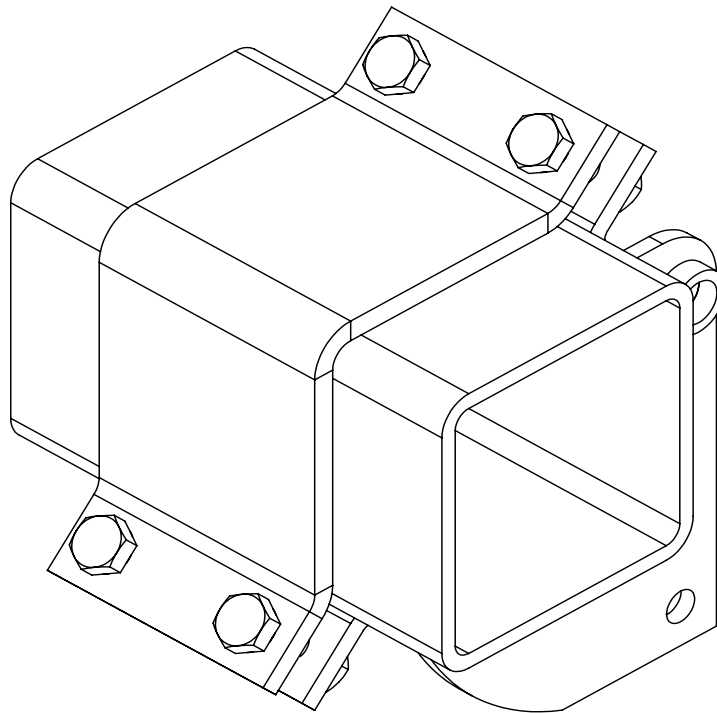


Fig.	Part no.	Qty	Description
1	76400200	1	1/2 X 6 X 17" Saddle Clamp
2	76802013	1	Saddle Clamp Weldment
3	600356000	4	3/4"- 10 X 3" Hex Bolt - Plt. Gr.5
4	600382055	4	3/4" Lock Washer - Plt.
5	600365019	4	3/4"- 10 Hex Nut - Plt.



Parallel Linkage Assembly

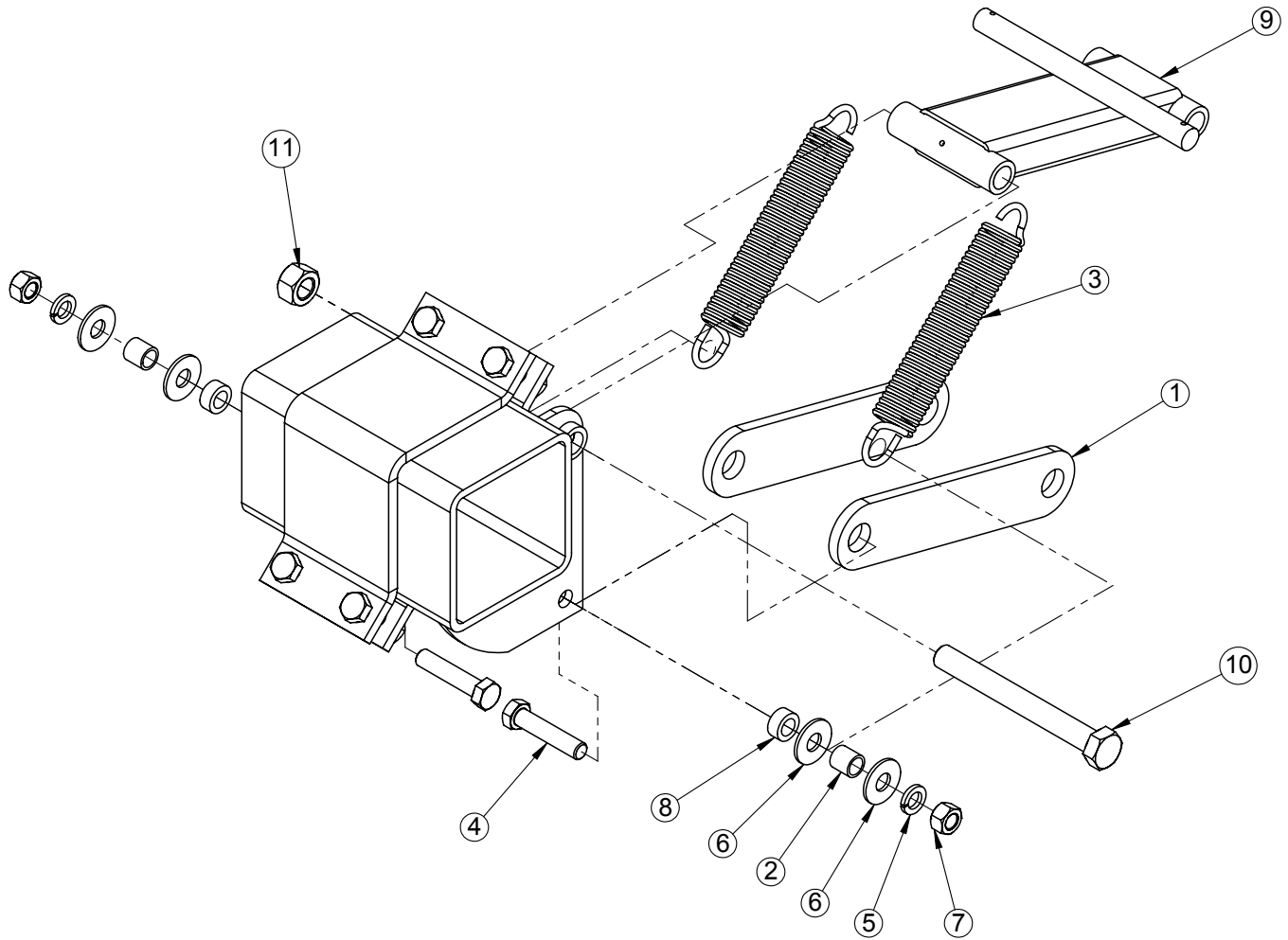
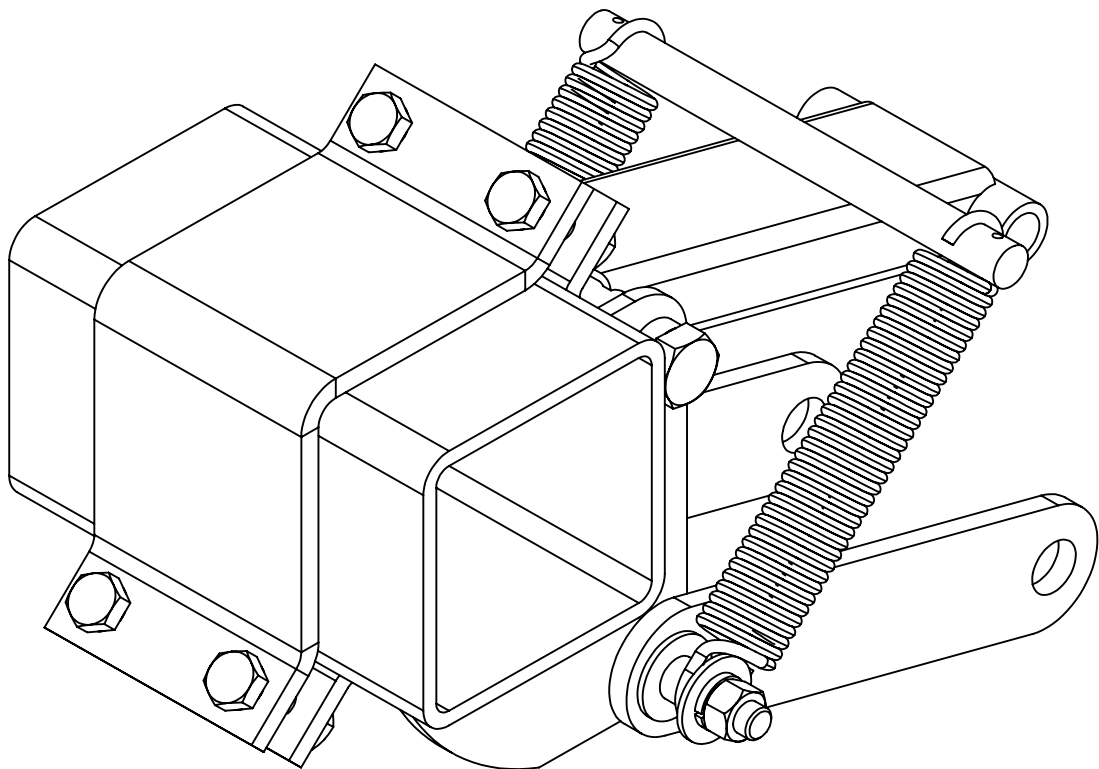


Fig.	Part no.	Qty	Description
1	76400234	2	1/2" X 3 X 14" - Flat
2	76602241	2	1" O.D. X 3/4" I.D. X 1" - Bushing
3	76450084	2	1- 5/8" O.D. X 9" - Pull Spring
4	600356045	2	3/4"- 10 X 3- 1/2" Hex Bolt - Plt. Gr. 5
5	600382005	2	3/4" Lock Washer - Plt.
6	600381009	4	3/4" Flat Washer - Plt.
7	600365019	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

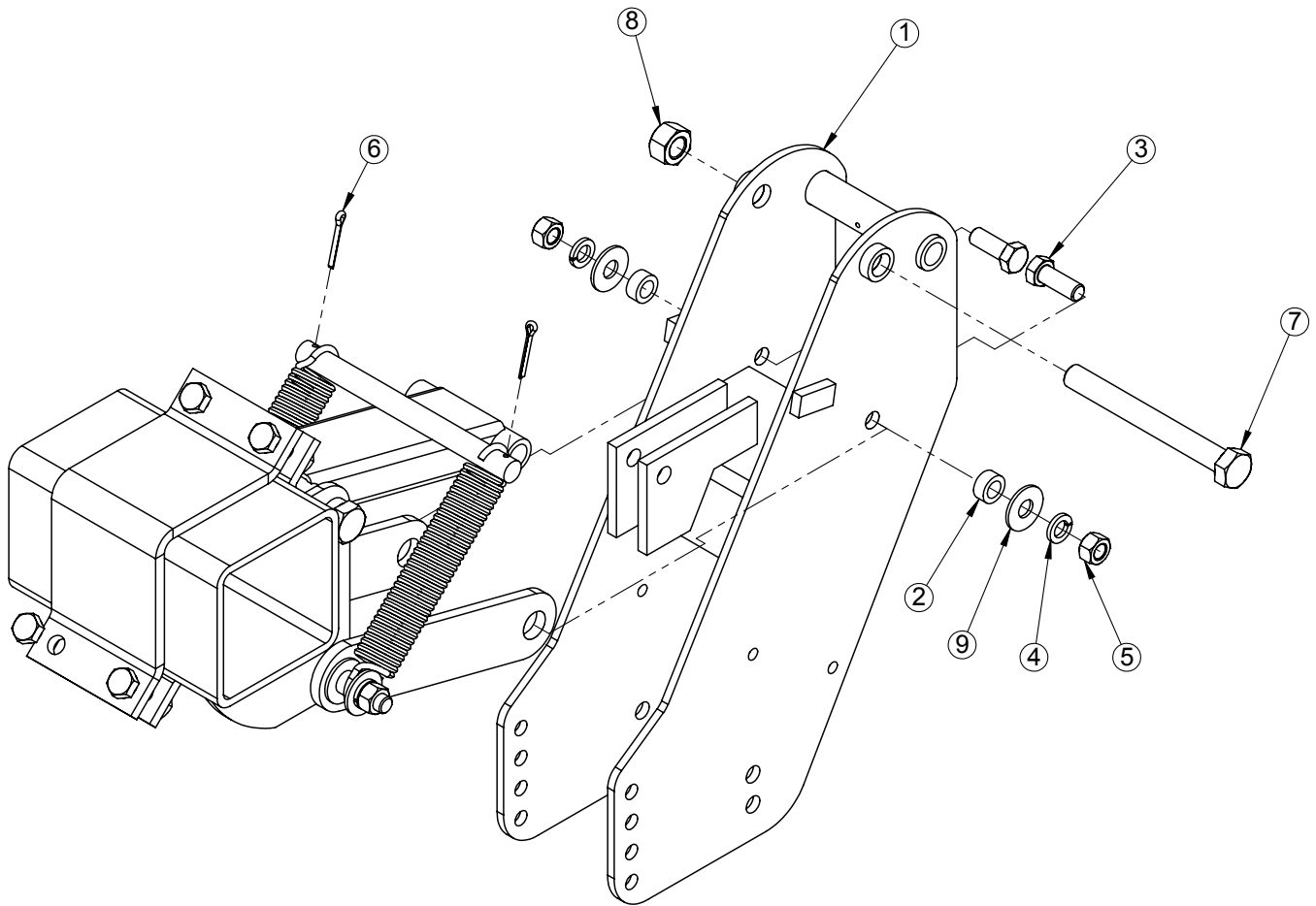
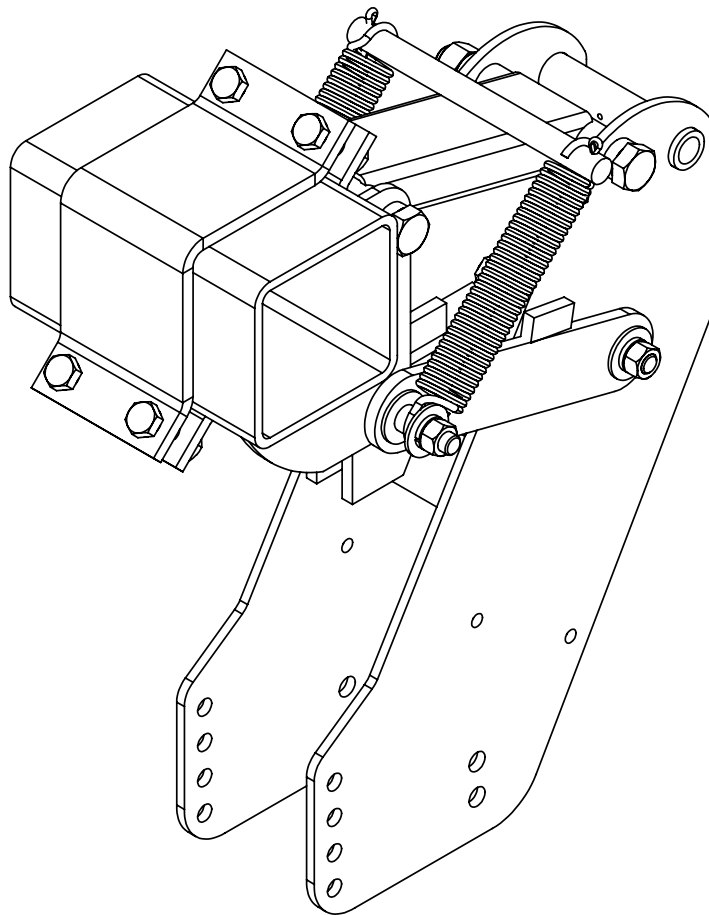


Fig.	Part no.	Qty	Description
1	76802015	1	Sideplate Weldment
2	76602230	2	1.25" O.D. X 0.774" I.D. X 0.5624" - Bushing
3	600355100	2	3/4"- 10 X 1- 1/2" Hex Bolt - Plt. Gr. 5
4	600382055	2	3/4" Lock Washer - Plt.
5	600365019	2	3/4"- 10 Hex Nut - Plt.
6	76101265	2	1/4" X 2" - Cotter Pin
7	600356009	1	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

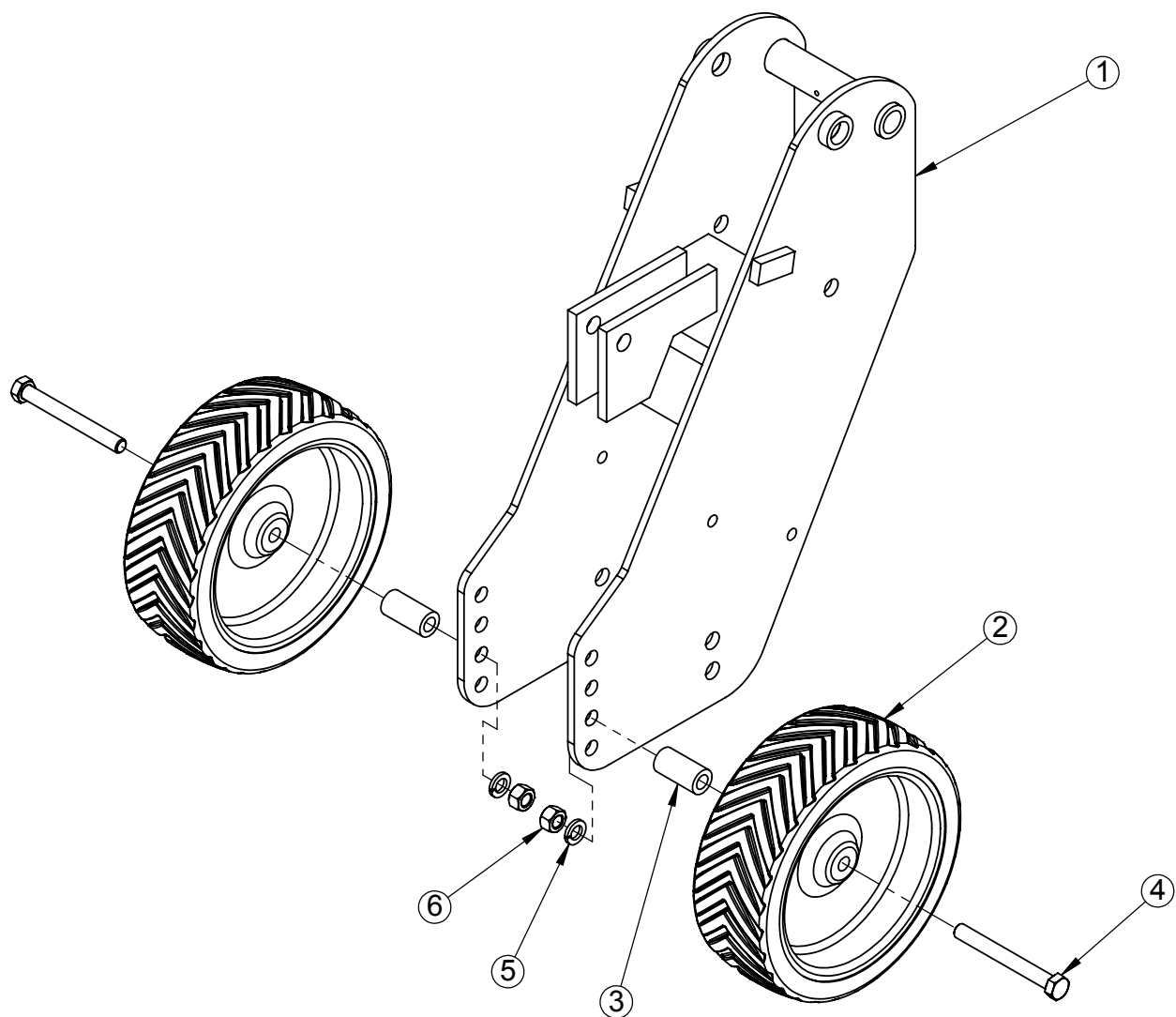
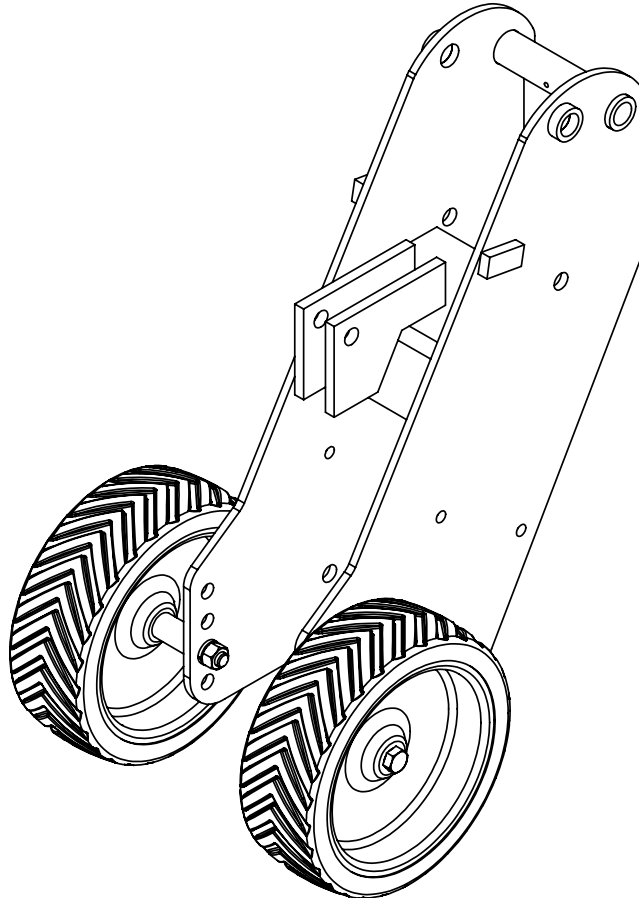


Fig.	Part no.	Qty	Description
1	76802015	1	Sideplate Weldment
2	76400241	2	Depth Control Gauge Wheel
3	76602242	2	Spacer Bushing
4	600356146	2	5/8"- 11 X 5- 1/2" Hex Bolt - Plt. Gr. 5
5	600382054	2	5/8" Lock Washer - Plt.
6	600365014	2	5/8"- 11 Hex Nut - Plt.



Front Coulter Assembly

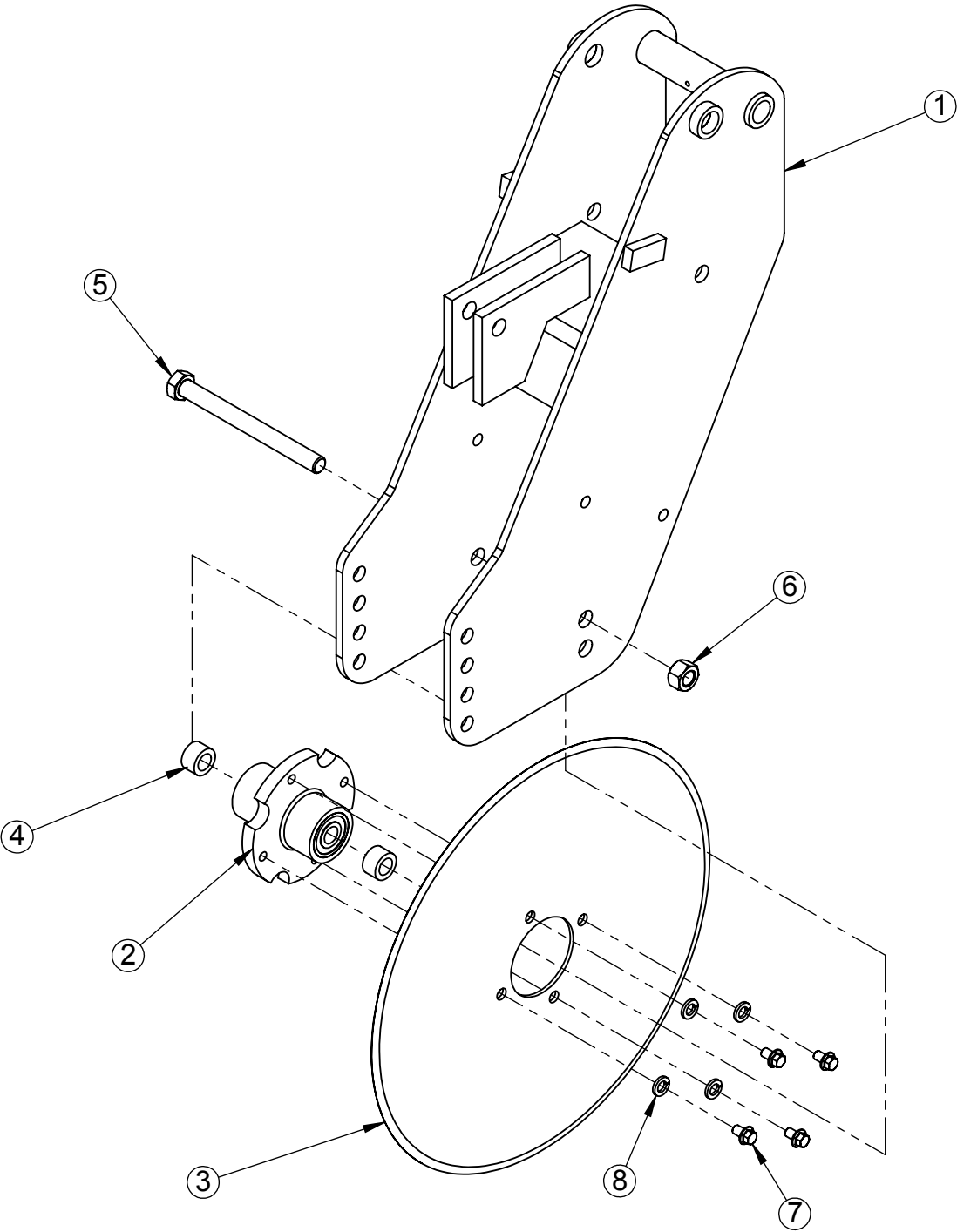
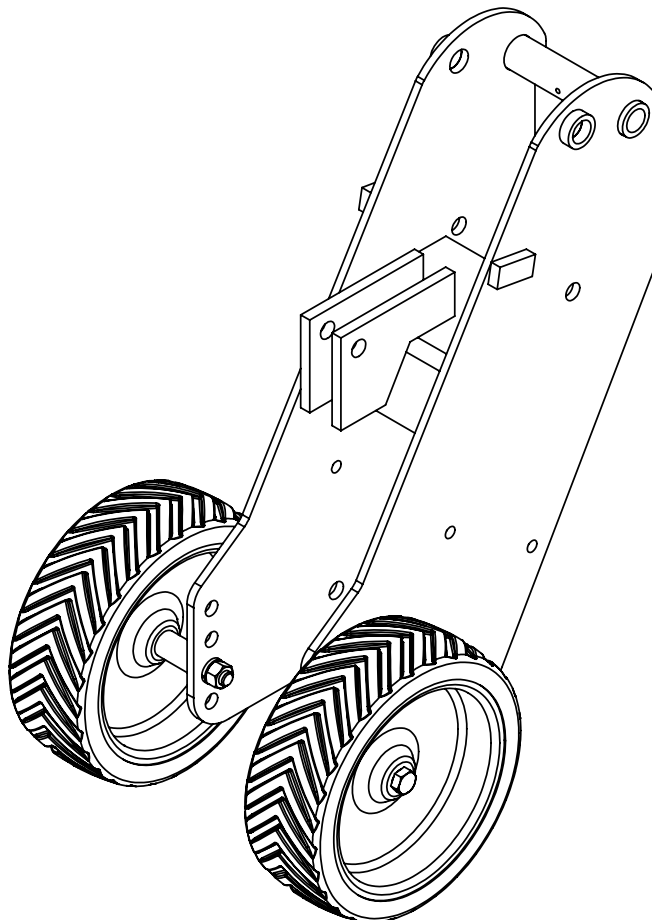


Fig.	Part no.	Qty	Description
1	76802015	1	Sideplate Weldment
2	76301254	1	4 Bolt Hub- 5" Bolt Circle Assembly
3	76400097	1	20" Smooth Coulter Blade
4	76602233	2	1.25" O.D. X 0.774" I.D. X 0.75" - Bushing
5	600355101	1	3/4"- 10 X 8" Hex Bolt - Plt. Gr. 5
6	600366024	1	3/4"- 10 Top Lock Hex Nut - Plt.
7	76301193	4	1/2"- 20 x 1- 1/4" Whiz Bolt
8	600382053	4	1/2" Lock Washer - Plt.



Walking Arm Assembly

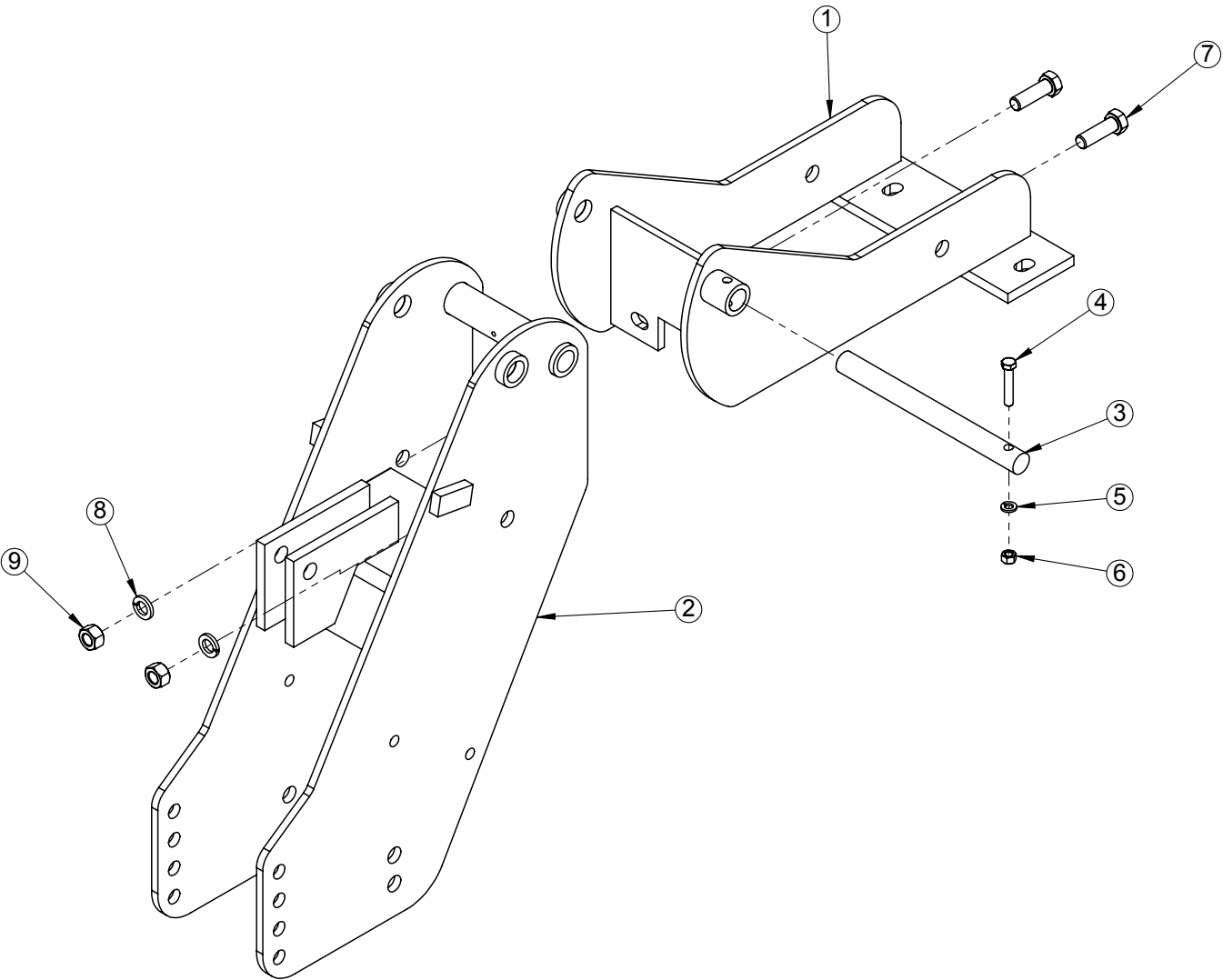
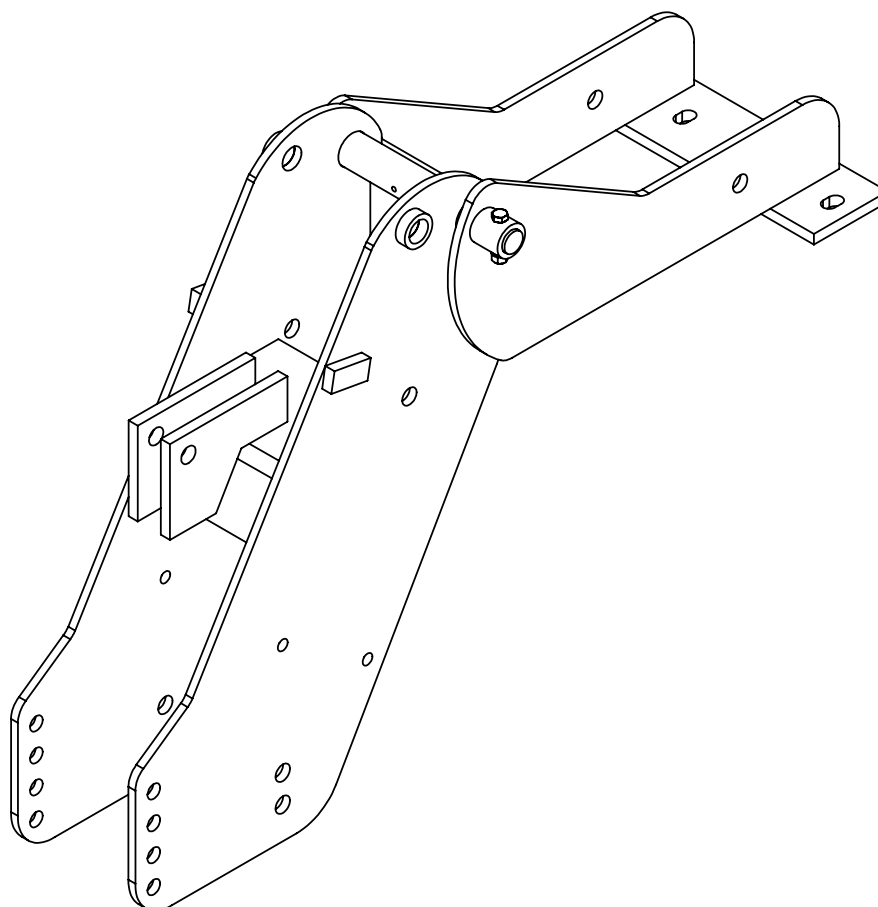


Fig.	Part no.	Qty	Description
1	76802016	1	Walking Arm Weldment
2	76802015	1	Sideplate Weldment
3	76602243	1	1" O.D. X 10- 3/4" - pin
4	600356115	1	3/8"- 16 X 1- 1/2" Hex Bolt - Plt. Gr. 5
5	600382051	1	3/8" Lock Washer - Plt.
6	600365008	1	3/8"- 16 Hex Nut - Plt.
7	600356010	2	5/8"- 11 x 2" Hex Bolt - Plt. Gr. 5
8	600382054	2	5/8" Lock Washer - Plt.
9	600365014	2	5/8"- 11 Hex Nut - Plt.

NOTE:
ITEMS #7, 8, and 9 ARE OPTIONAL



Walking Coulter Arm Assembly

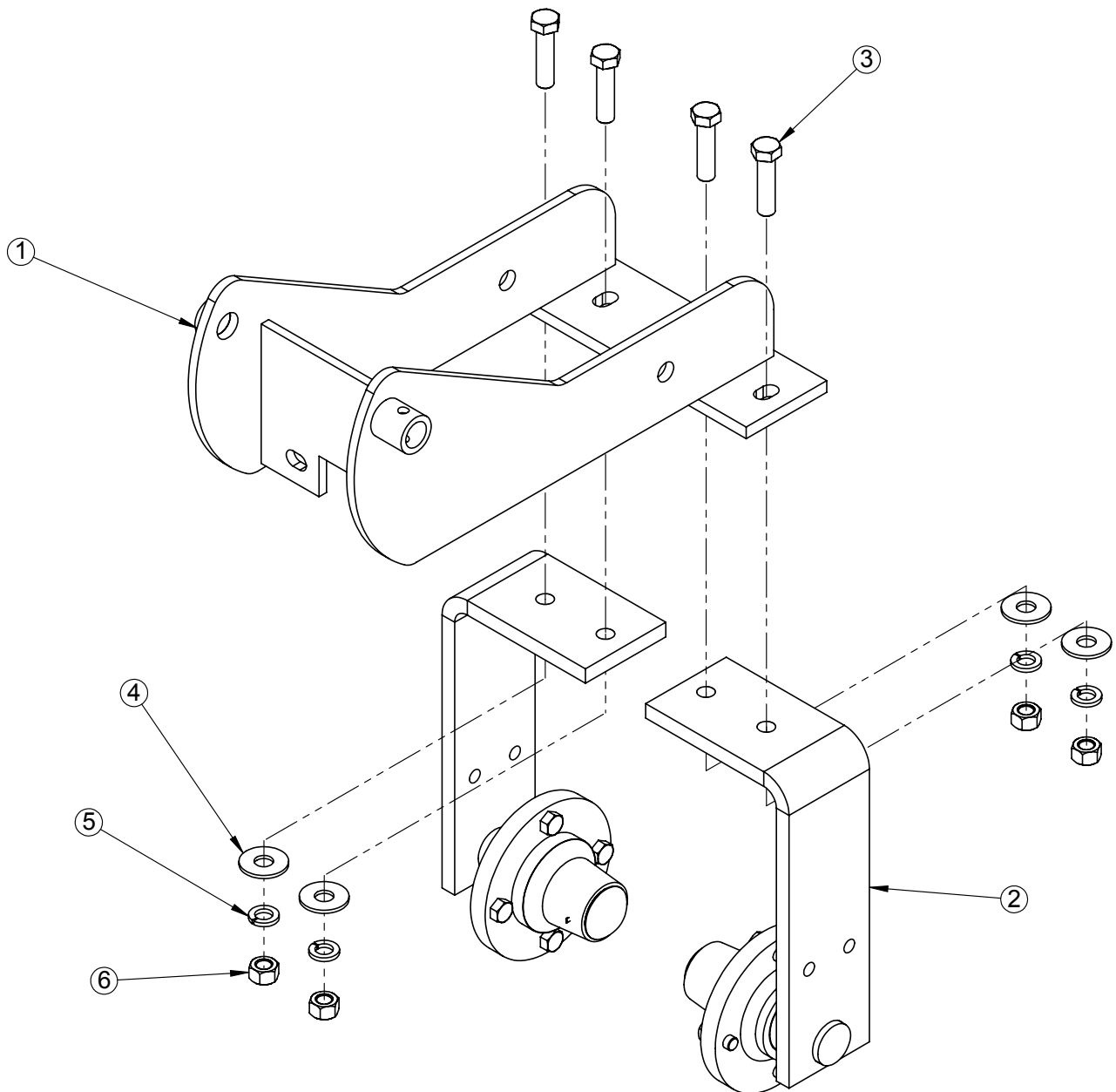
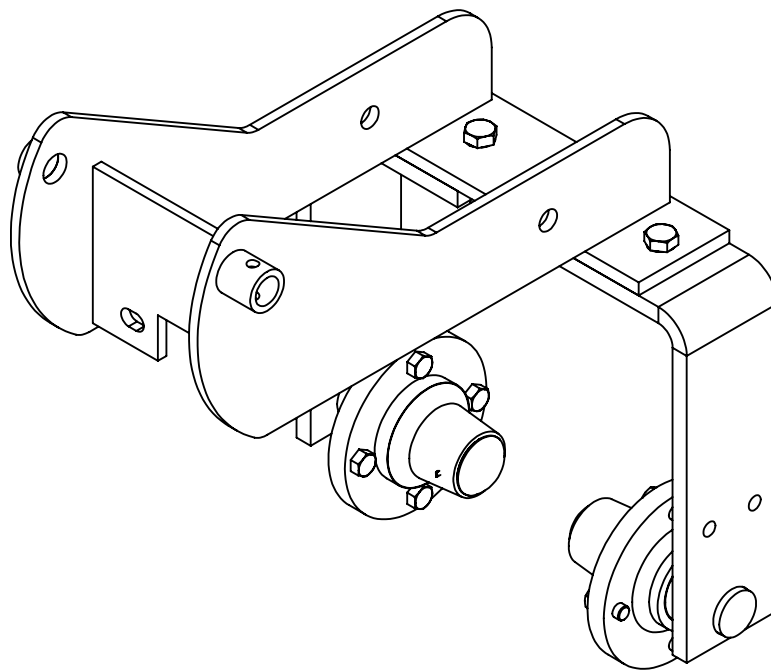


Fig.	Part no.	Qty	Description
1	76802016	1	Walking Arm Weldment
2	76801848	2	Wavy Coulter Arm Weldment
3	600356008	4	5/8" - 16 X 2- 1/2" Hex Bolt - Plt. Gr. 5
4	600381020	4	5/8" Flat Washer - Plt.
5	600382054	4	5/8" Lock Washer - Plt.
6	600365014	4	5/8"- 11 Hex Nut - Plt.



Rolling Basket Assembly

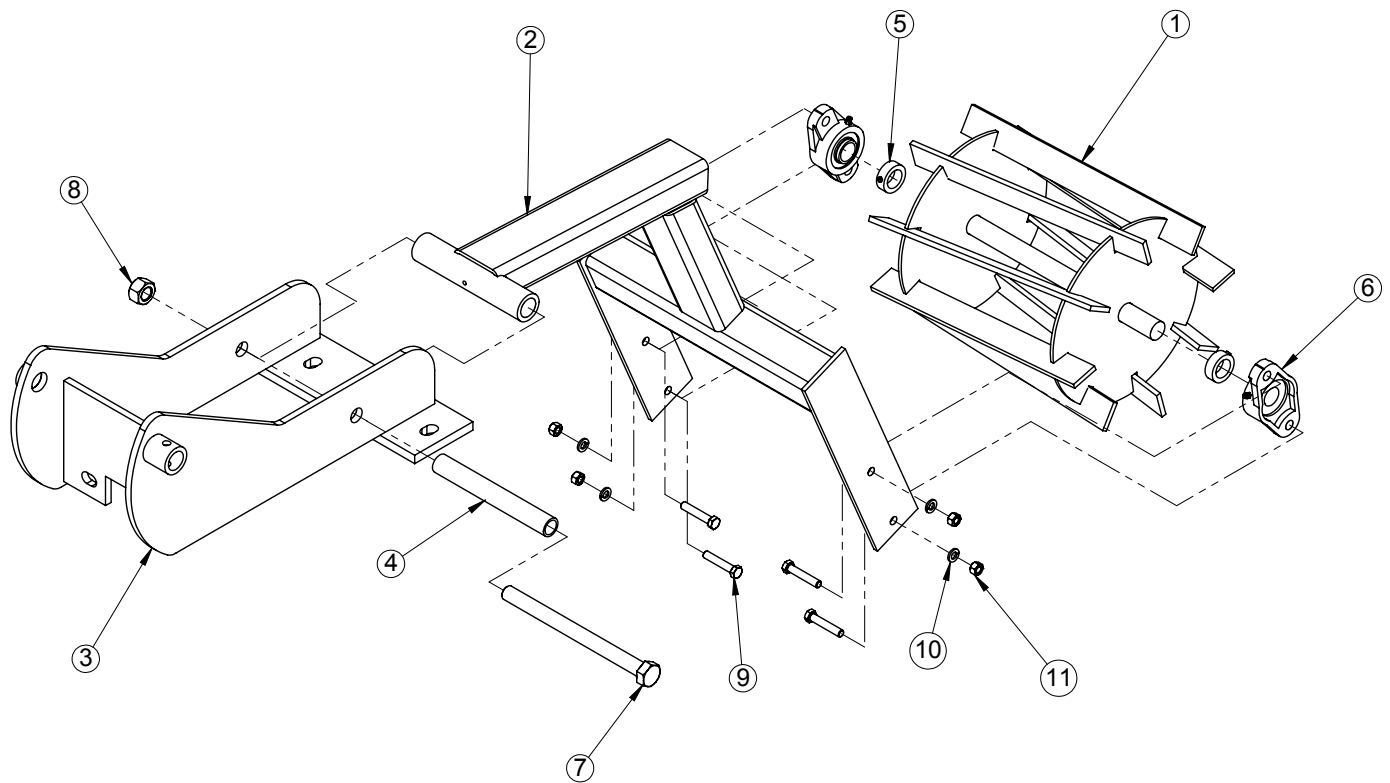
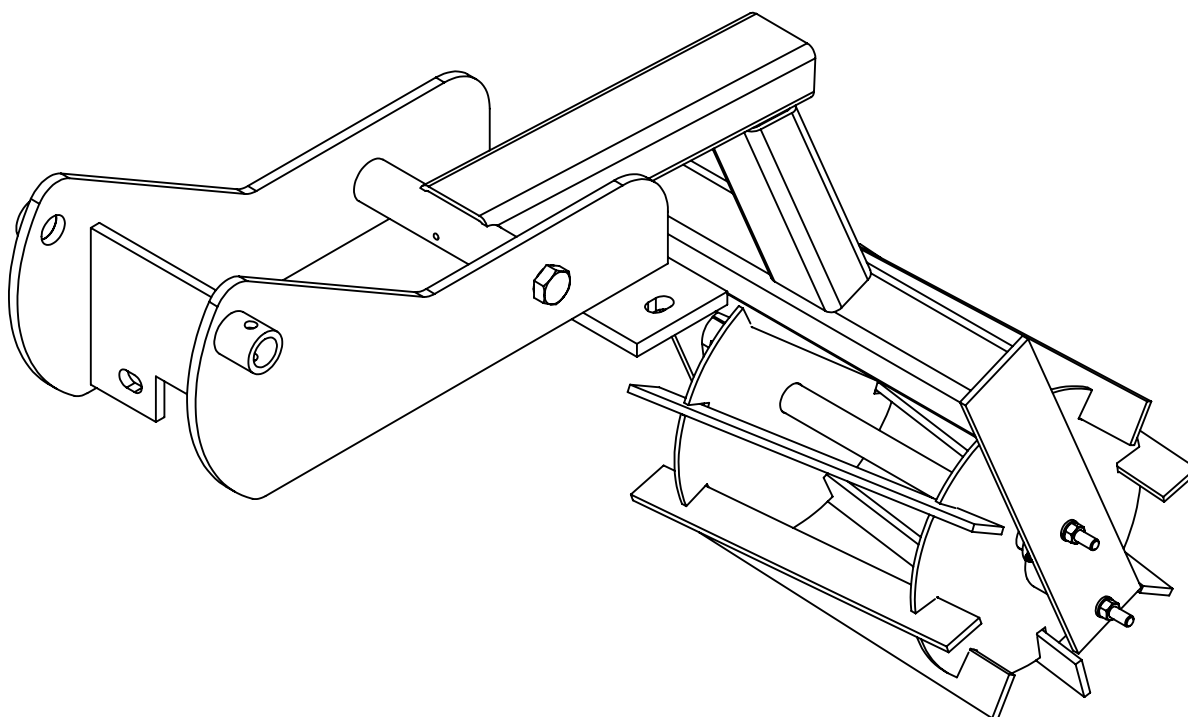


Fig.	Part no.	Qty	Description
1	76802063	1	Rolling basket Weldment
2	76802064	1	Rolling Basket Frame Weldment
3	76802016	1	Walking Arm Weldment
4	76602255	1	1" O.D. X 3/4" I.D. X 7- 5/8" - Bushing
5	76602250	2	1- 1/2" O.D. X 1" I.D. X 1/2" - Set Screw Bushing
6	76301260	2	Rolling Basket Bearing
7	600356156	1	3/4" X 9- 1/2" Bolt Gr. 5
8	600366024	1	3/4"- Stover Lock Nut Type C - UNC
9	600356111	4	3/8"- 16 X 2" Hex Bolt - Plt. Gr. 5
10	600382051	4	3/8" Lock Washer - Plt.
11	600365008	4	3/8"- 16 Hex Nut - Plt.



Shank and Knife Assembly

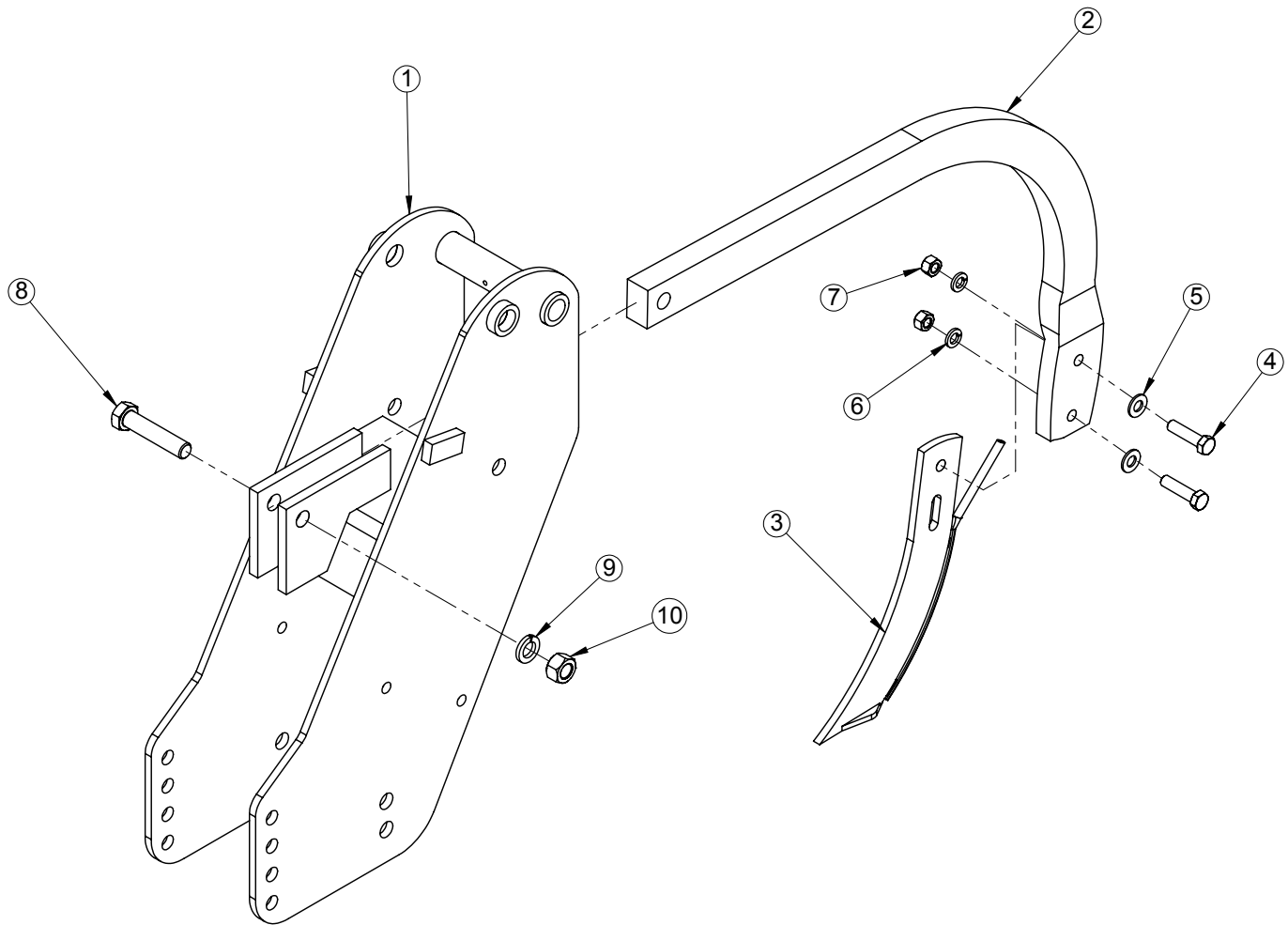
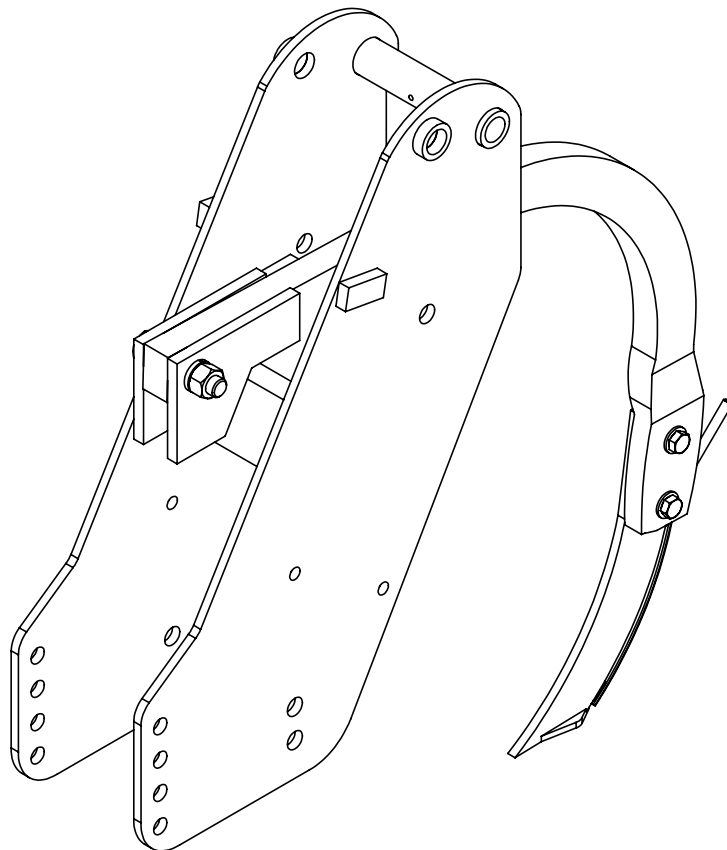


Fig.	Part no.	Qty	Description
1	76802031	1	Sideplate Weldment
2	764500097	1	Edge Bent Shank
3	76450078	1	Thin Liquid Knife (Spring Application)
4	600356128	2	1/2"- 13 X 2" Hex Bolt - Plt. Gr. 5
5	600382053	1	1/2" Flat Washer - Plt.
6	600365009	2	1/2" Lock Washer- Plt.
7	600356154	2	1/2"- 13 Hex Nut - Plt.
8	600366032	1	3/4"- 10 X 3- 1/2" Hex Bolt - Yellow Zinc
9	600356012	1	3/4" Lock Washer - Plt.
10	600366024	1	3/4"- 10 Hex Nut - Plt.
			NOTE: MULTIPLE TYPES OF KNIVES CAN BE USED TO FIT DIFFERENT APPLICATIONS



Hub and Spindle Assembly

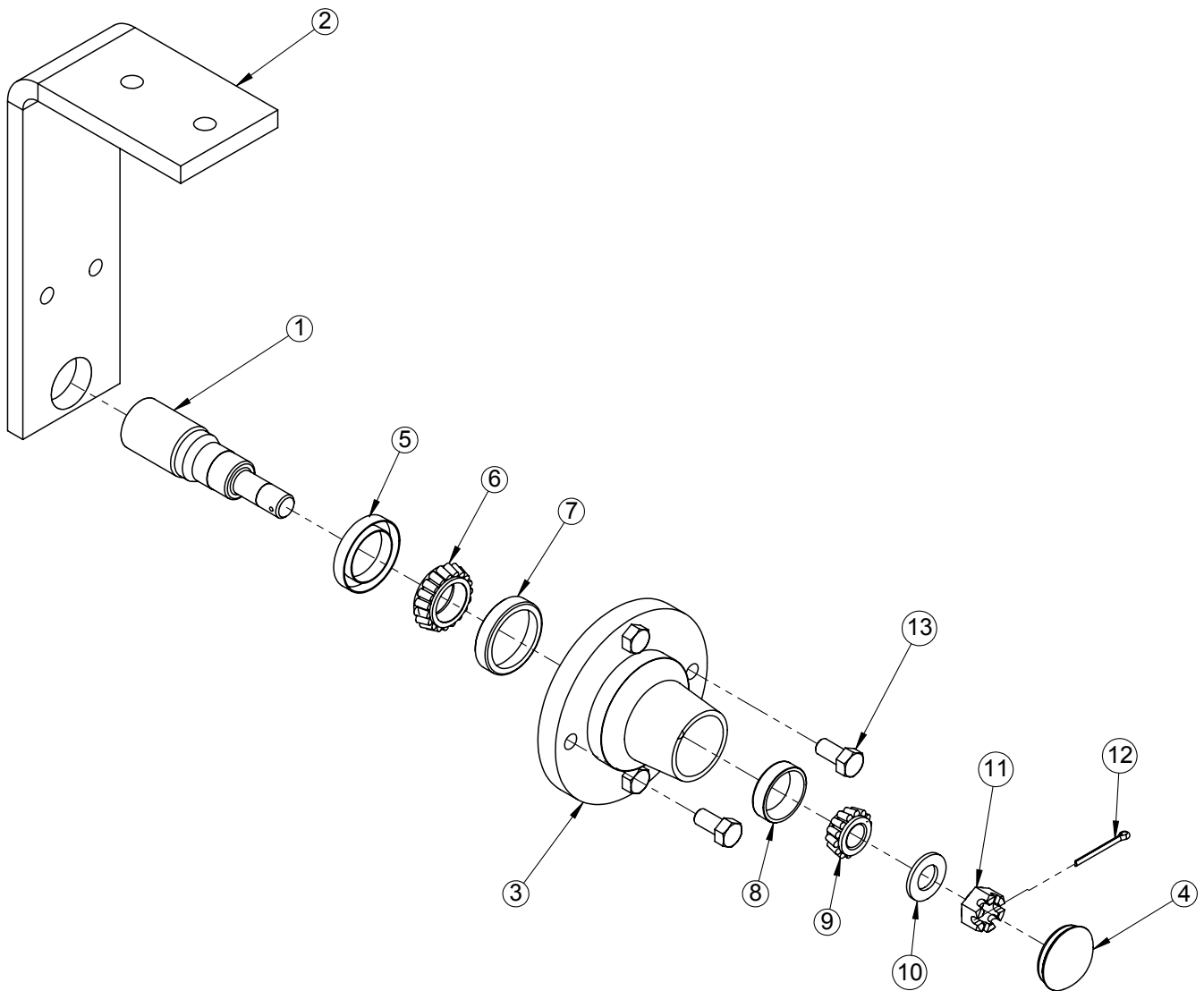
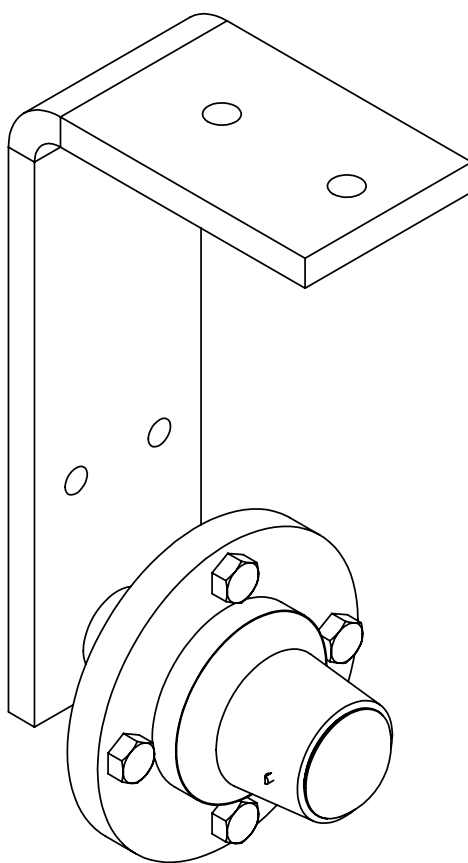


Fig.	Part no.	Qty	Description
1	76301253	1	1-5/8" X 6" - Spindle (1- 1/4" Shaft) Complete
2	763000058	1	Wavy Coulter Arm
3	763012542	1	4 Bolt Hub with 5" Bolt Circle
4	76301186	1	Dust Cap - 4 X 5 Hub
5	76301183	1	Seal - CR. 14975
6	600452000	1	Bearing Cone - LM 67048
7	600452001	1	Bearing Cup - LM 67010
8	76301210	1	Bearing Cup - LM 11910
9	76301185	1	Bearing Cone - LM 11949
10	76301142	1	1- 1/2" O.D. X 13/16" I.D. Thrust Washer
11	76301153	1	3/4"- 16 UNF Castellated Nut
12	76101249	1	5/32" X 1- 3/4" Cotter Pin
13	600361003	4	1/2"- 20 X 1- 1/4" Whiz Bolt



Wavy Coulter Assembly

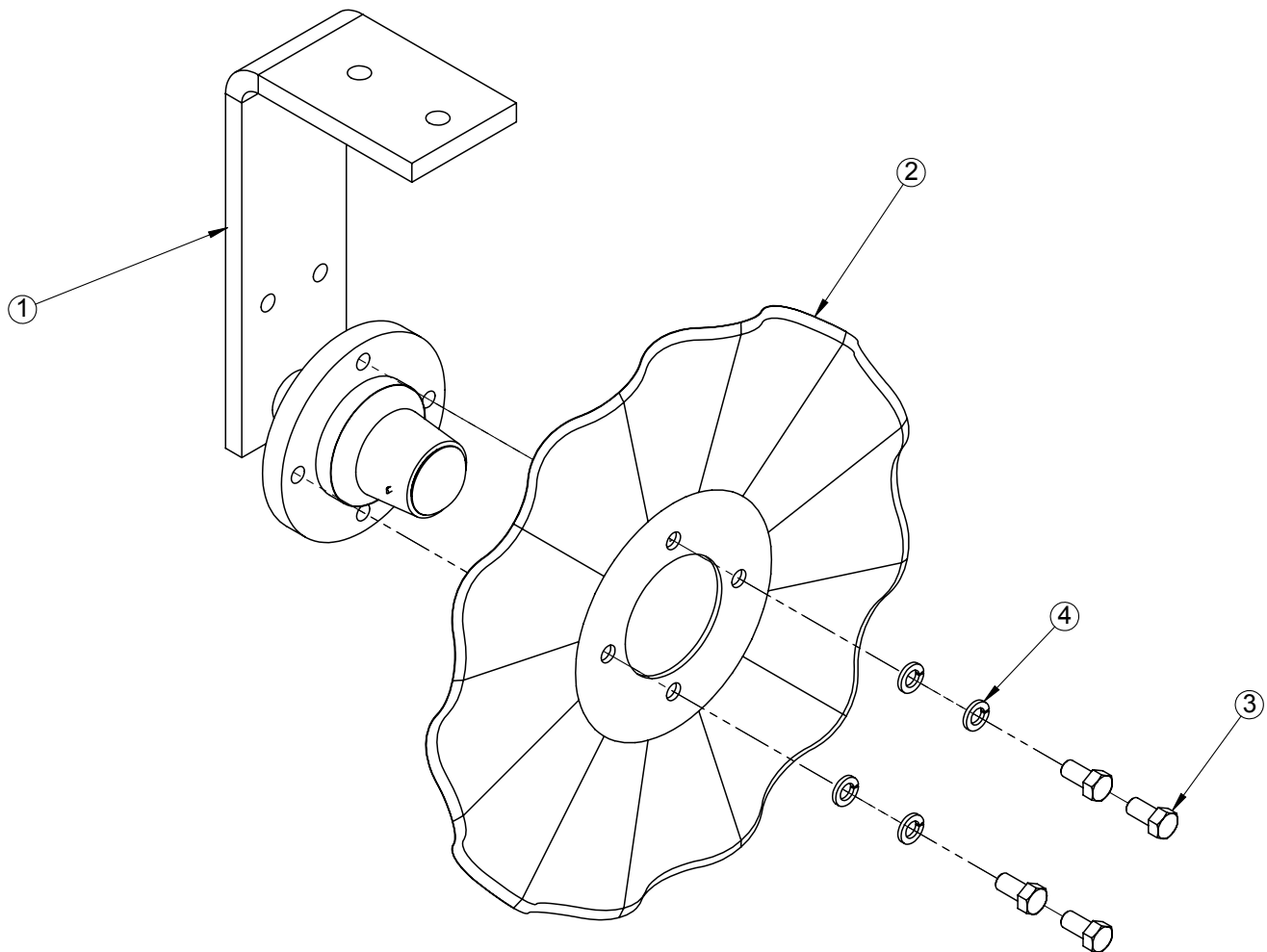
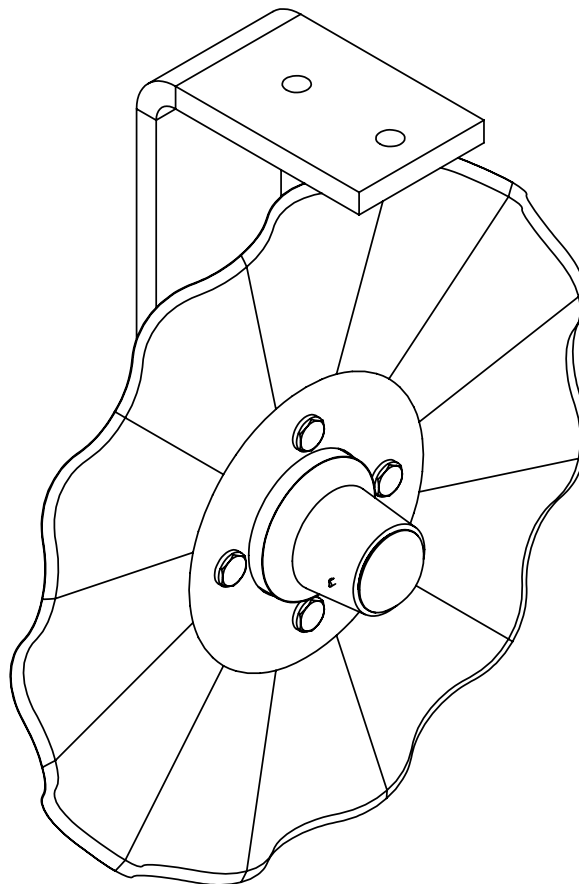


Fig.	Part no.	Qty	Description
1	76801330	2	Wavy Coulter Hub Assembly Arm Weldment
2	76400107	2	18" Wavy Coulter Blade
3	600361003	4	1/2"- 20 X 1- 1/4" Whiz Bolt
4	600382051	4	1/2" Flat Washer - Plt.
			NOTE: QUANTITIES SHOWN ARE FOR BOTH LEFT AND RIGHT



4 Bolt Hub Assembly

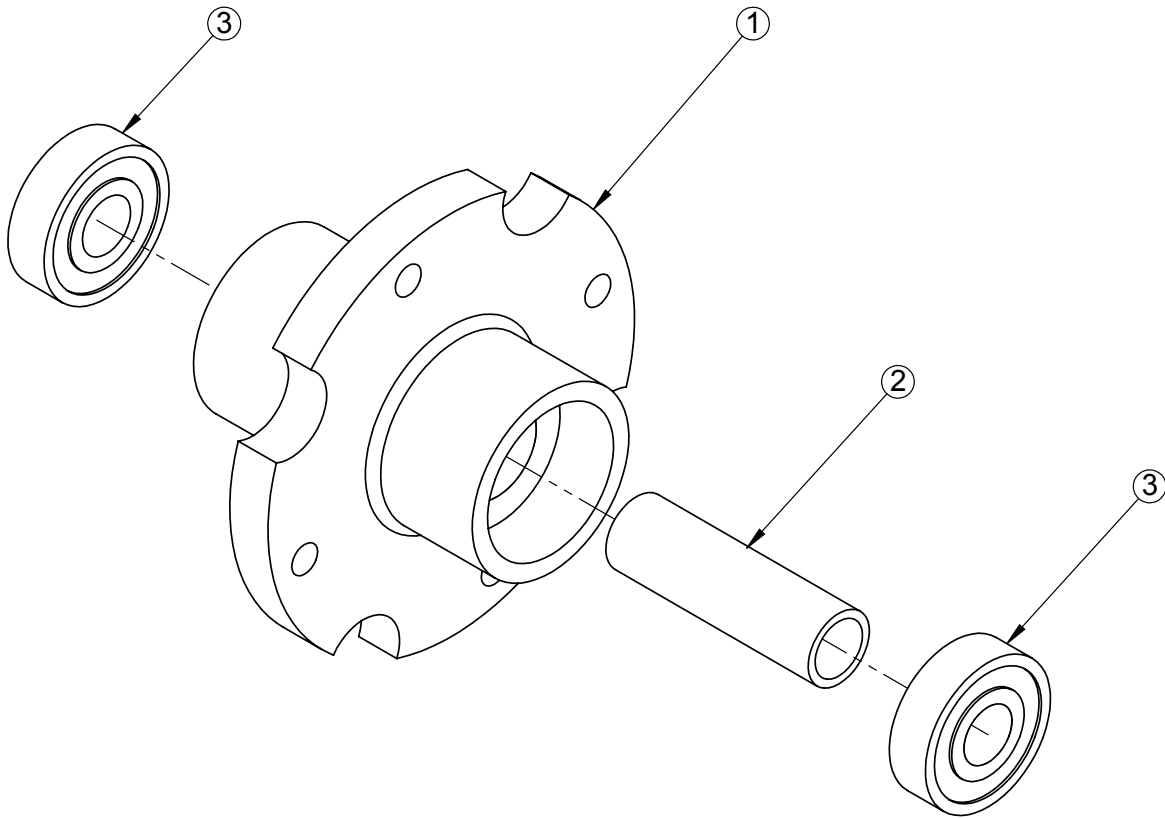
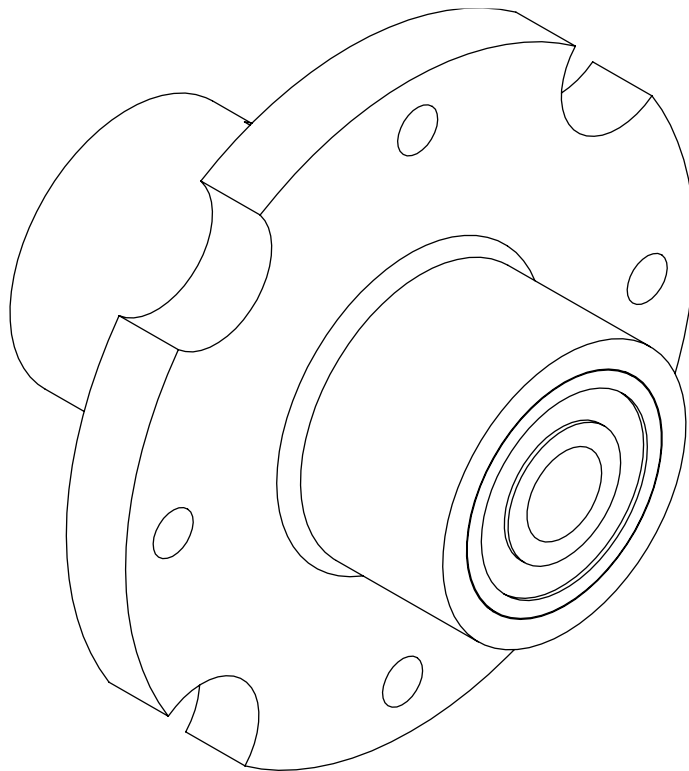
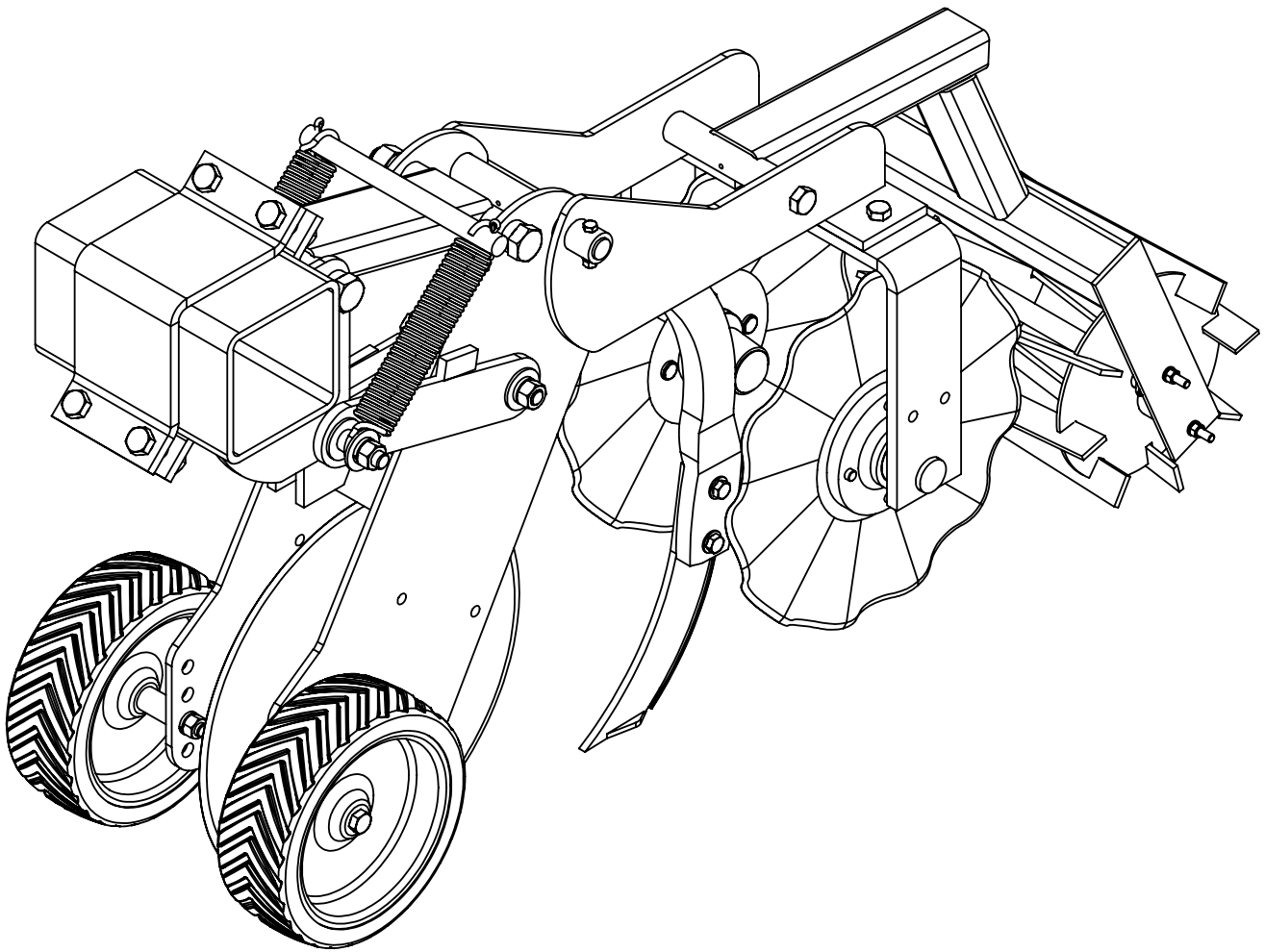


Fig.	Part no.	Qty	Description
1	763012542	1	G10- 4- 4 Bolt Hub with 5" Bolt Circle
2	760000139	1	1- 1/4" O.D. X 0.774" I.D. X 3- 17/64" - Bushing
3	76450079	2	Sealed Roller Bearing





ZERK LOCATIONS

