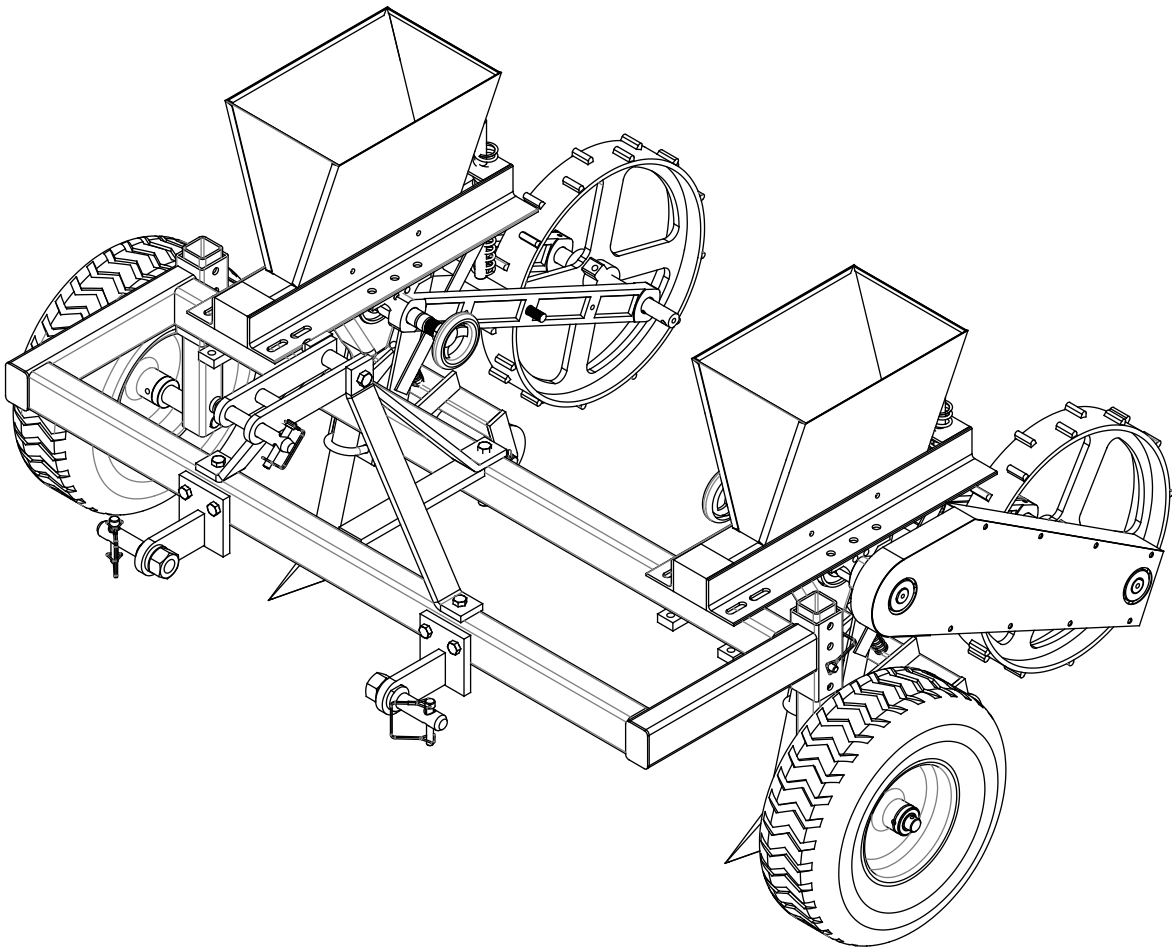




3 PT Corn and Bean Planter

OWNER'S MANUAL



WARNING:

Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

03132014

Item# FTF-CBP3PT

Thank you very much for choosing this product! For future reference, please complete the owner's record below:

Model: ____ FTF-CBP3PT ____ Purchase Date: _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This machine is designed for certain applications only. The manufacturer cannot be responsible for issues arising from modification. We strongly recommend this machine not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted us to determine if it can or should be performed on the product.

For technical questions please call **1-218-943-6296**.

INTENDED USE

Planter is designed for planting larger gardens, food plots or hobby farm.

TECHNICAL SPECIFICATIONS

1. Adjustable row width from 14"-36.6"
2. 22 bushels/hopper, 32 cups/hopper, 1.75 gallons/ hopper, 1 volume bushel=1.25 cubic feet
3. Measurements of hopper: 8"x12" at top, 2"x11.5" at bottom, 8" deep
4. Ground Driven
5. 13" Pneumatic tires



WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in serious injury.



CAUTION: Do not allow persons to operate or assemble this planter until they have read this manual and have developed a thorough understanding of how the planter works.



WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS

WORK AREA

- Keep work area clean**, free of clutter and well lit. Cluttered and dark work areas can cause accidents.
- Keep children and bystanders** away while operating the planter. Distractions can cause you to lose control, so visitors should remain at a safe distance from the work area.
- Be aware of all power lines, electrical circuits**, water pipes and other mechanical hazards in your work area, particularly those hazards below the work surface hidden from the operator's view that may be unintentionally contacted and may cause personal harm or property damage.
- Be alert of your surroundings**. Using the planter in confined work areas may put you dangerously close to cutting tools and rotating parts.

PERSONAL SAFETY

- Stay alert**, watch what you are doing and use common sense when using the planter. Do not use the planter while you are tired or under the influence of drugs, alcohol or medication.
- Dress properly**. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- Use safety apparel and equipment**. Use safety goggles or safety glasses with side shields which comply with current national standards, or when needed, a face shield. Use as dust mask in dusty work conditions. This applies to all persons in the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate.

PLANTER USE AND CARE

- Do not modify the planter in any way**. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the **planter** was designed.
- Always check for damaged or worn out parts before using the planter**. Broken parts will affect the **planter** operation. Replace or repair damaged or worn parts immediately.
- Do not exceed the planter load capacity**.
- Distribute the load evenly**. Uneven loads may cause the **planter** to tip, resulting in personal injury to the operator or others.
- Use the planter on flat and level surfaces** capable of supporting the **planter** and its maximum load. Pulling or pushing a load on a slanted or uneven surface can result in loss of control.
- Storing the planter**. When **planter** is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.

**HOBBY SEED PLANTER
(Patent)**

ASSEMBLY AND OPERATING MANUAL

PRE-ASSEMBLY:

Approximate assembly time of this product is 1 hour.

Helpful Tip: Read all instructions before starting to assemble.

WARNING: TG or Field Tuff will not be held liable for any damages, losses or injury, due to the misapplication or misuse of this product or for any other reason. Proper eye and hand protection must be worn at all times.

TOOLS REQUIRED FOR ASSEMBLY

(2) 14mm Wrenches

(1) 24mm Wrench

(2) 19mm Wrenches

REMOVE ALL PARTS FROM CARTONS

Remove the hardware packs and all parts from the cartons.

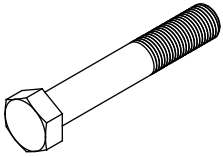
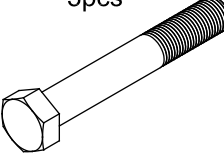
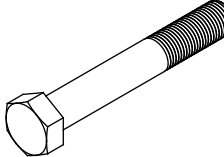
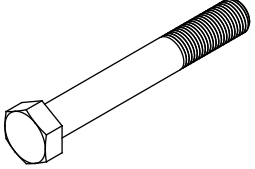
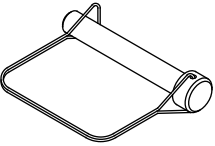
Layout and identify parts included in carton contents. (see carton contents)

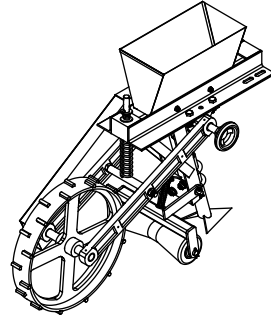
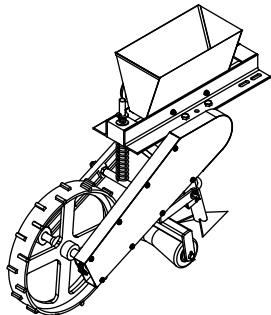
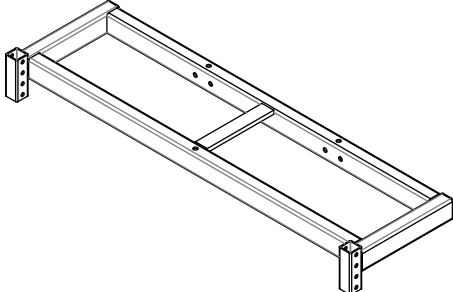
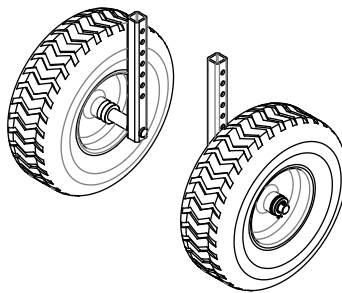
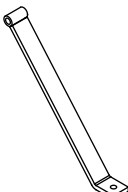
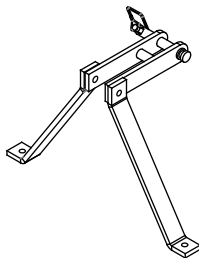
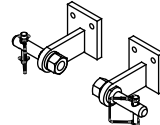
Layout and identify parts included in the hardware pack. (see carton contents)

IF ANY PARTS ARE MISSING FROM PACKAGING

Contact **1-218-943-6296** for missing hardware or instructions.

Carton Contents

Hex Bolt M10x65 4pcs 	High Strength Hex Bolt M10x85 3pcs 	Hex Bolt M10x85 8pcs 	Hex Bolt M10x100 1pc 
Flat Washer Ø10 16pcs 	Lock Washer Ø10 8pcs 	Nylon Lock Nut M10 8pcs 	Lock Pin 2pcs 

Left Planter Assembly 1pc 	Right Planter Assembly 1pc 	Frame Assembly 1pc 	
Tire Assembly 2pcs 	Middle Top Brace Mount 1pc 	Top Link Bracket 1pc 	Lower Link Brackets 2pcs 

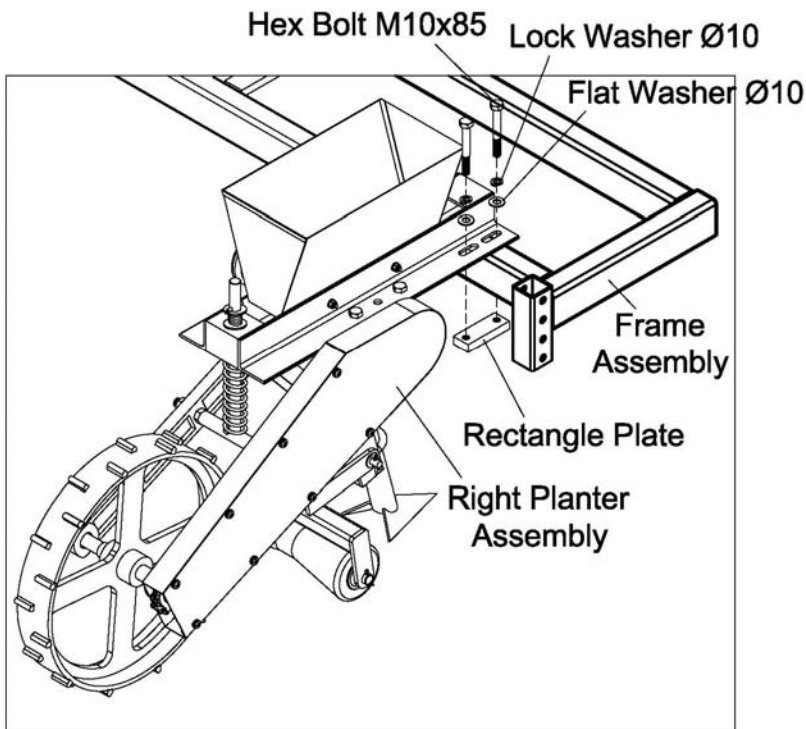


Figure 1

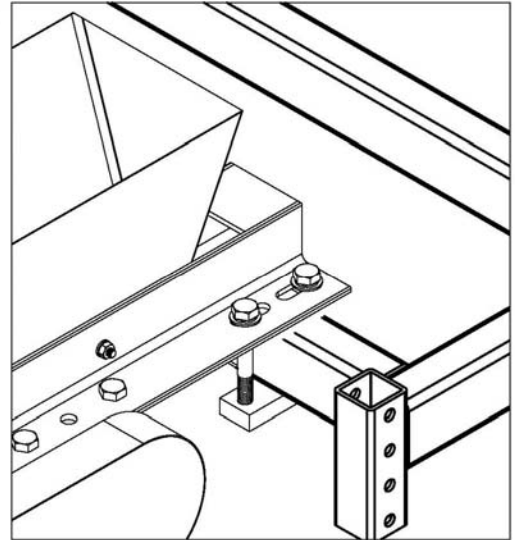


Figure 2

STEP 1: Planter Assembly

Attach the right planter assembly and hopper bracket to the right side of the frame assembly using M10 x 85 Hex Bolt, lock washer Ø10, flat washer as shown in Figure 1. Repeat above procedure for the left planter assembly.

Figure 2. shows the final assembly for this step.

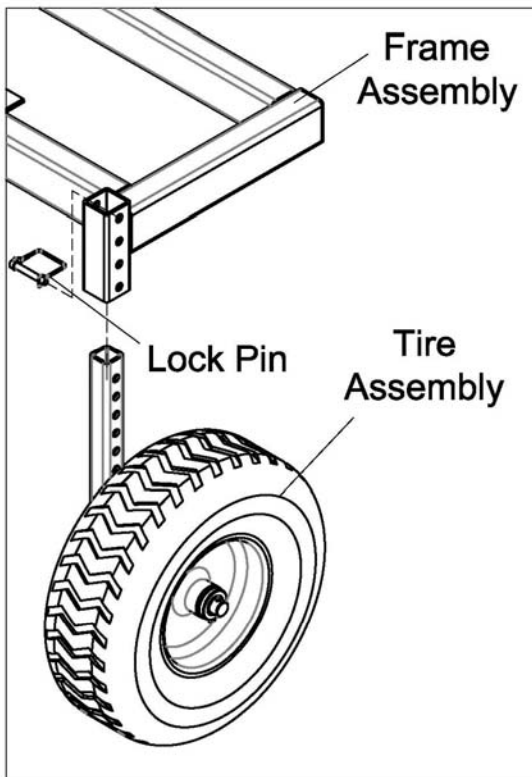


Figure 3

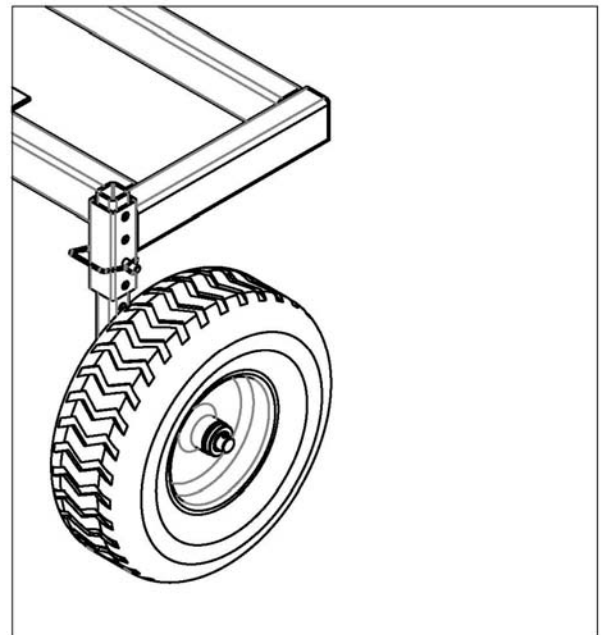


Figure 4

STEP 2: Tire/Wheel Assembly

Insert the tire assembly into the right adjustable axle receiver tube of the frame Assembly and install Lock pin. (Shown in Figure 3)

Repeat above procedure for the left side.

Figure 4 shows completed step.

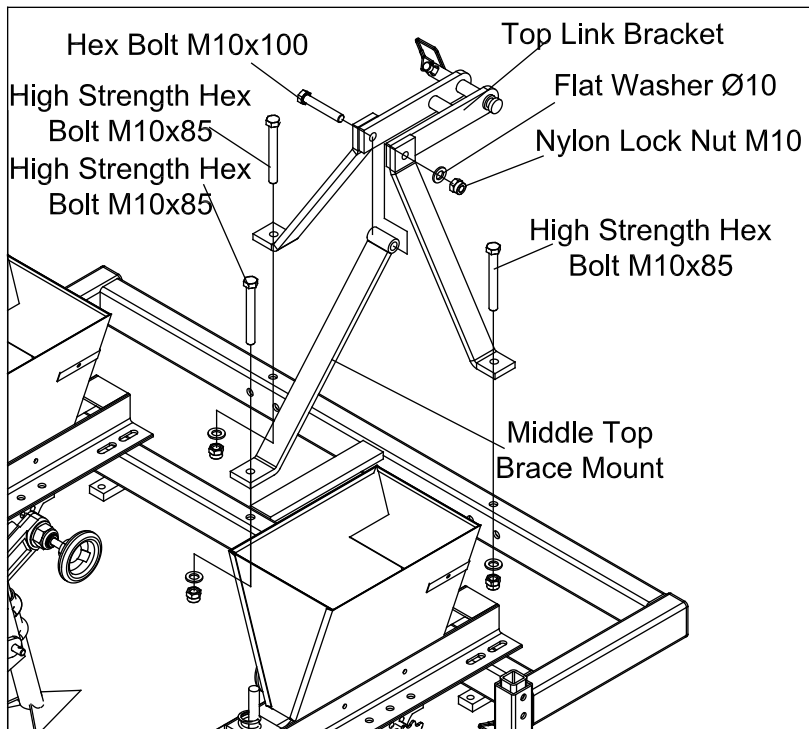


Figure 5

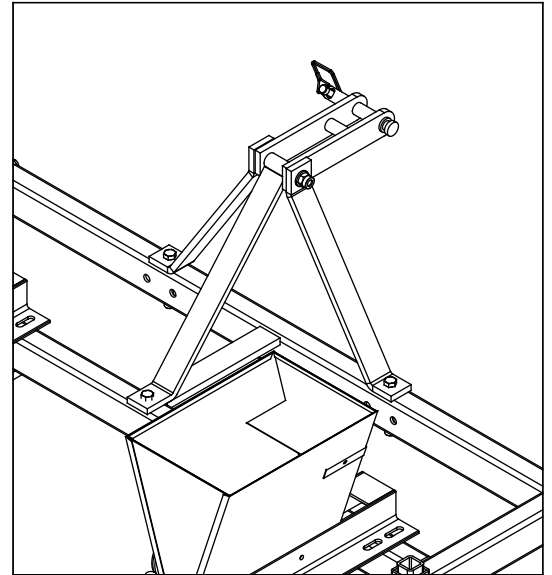


Figure 6

STEP 3: Top Link Bracket and Middle Top Brace Assembly. Connect topleink bracket to the frame assembly using M10x85 high strenght hex bolt, M10 lock nut, Ø10 flat washer and tighten, then connect middle top brace to the top link bracket and frame using M10x100 hex bolt, M10x85 high strength hex bolt, M10 lock nut, Ø10 flat washer and tighten. (Shown in figure 5)
Figure 6 shows the assembled step.

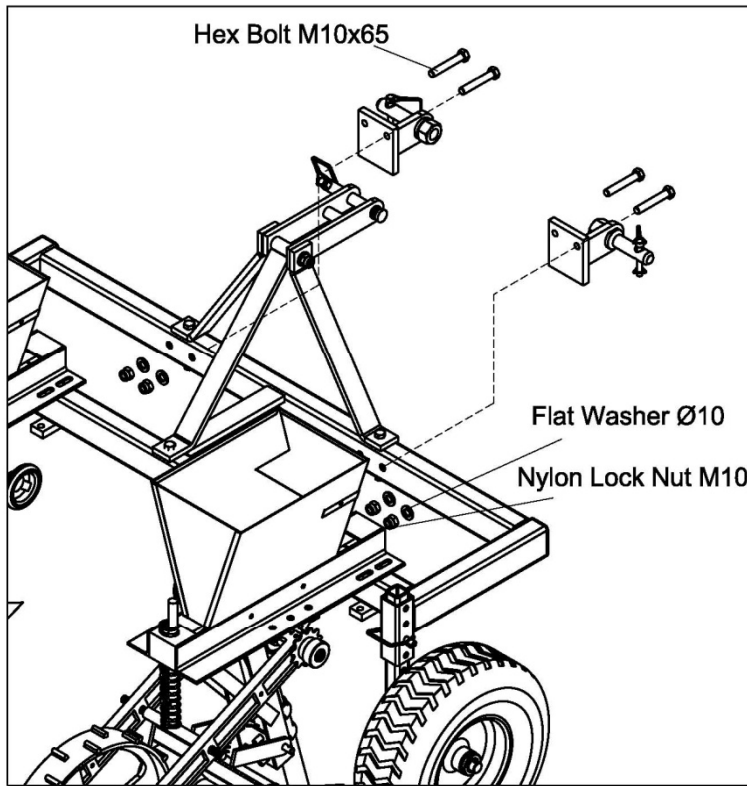


Figure 7

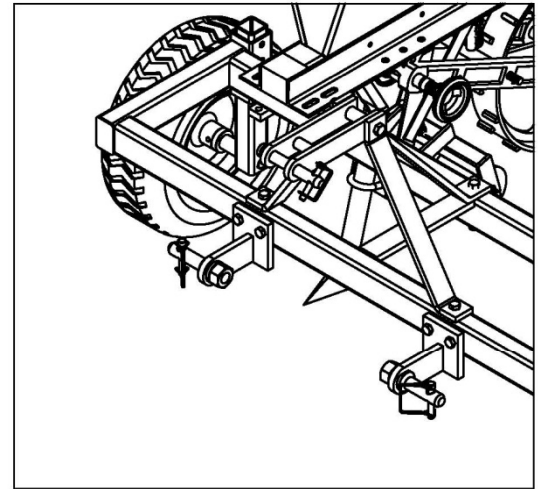
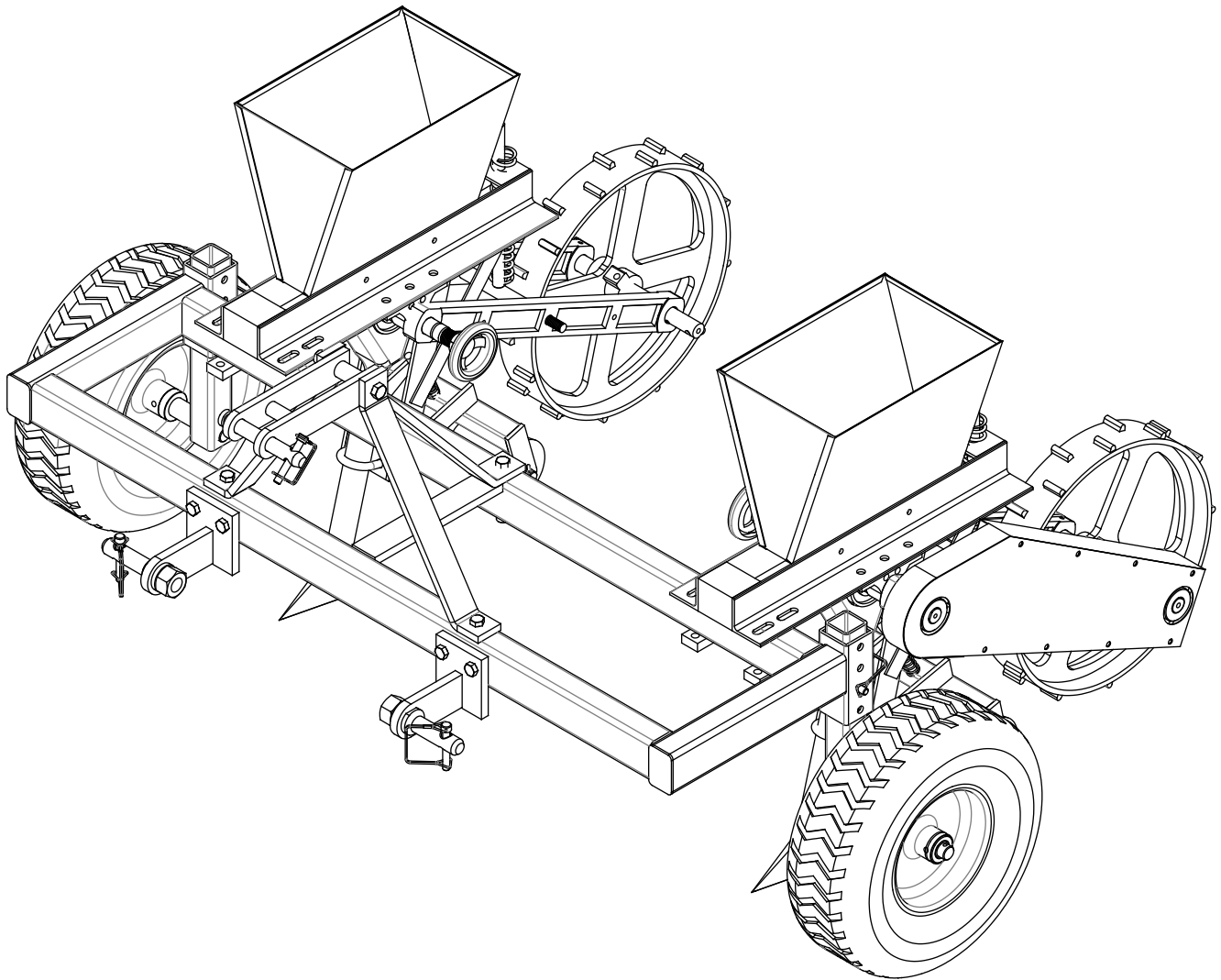


Figure 8

STEP 4: Lower Link Brackets Assembly

Install the Lower Link Bracket onto the frame assembly using M10x65 hex bolt, M10 nylon lock nut, Ø10 flat washer and tighten. (As shown in figure 7)

Figure 8 shows the assembled step.



Fully
Assembled
Illustration

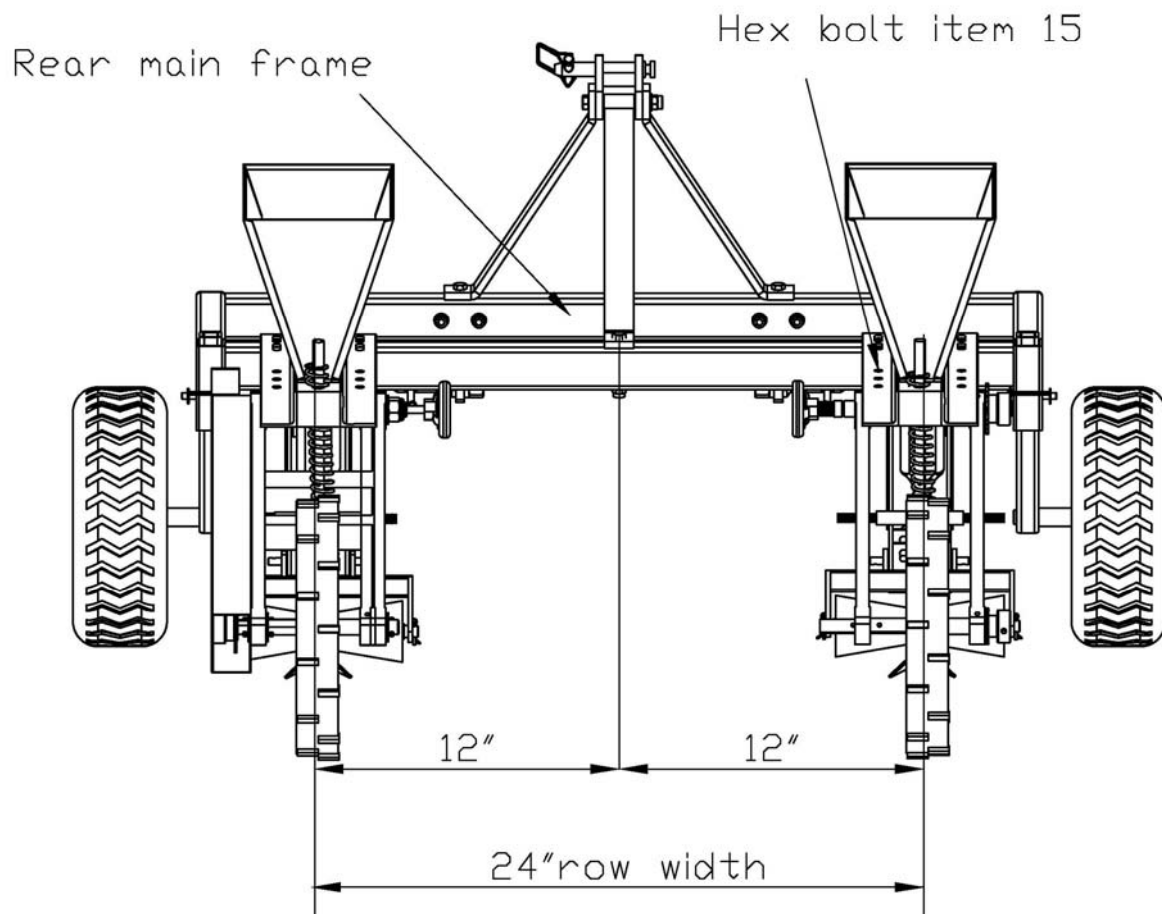


Figure 11

Adjusting Row Width

1. To adjust the row width loosen the 4 hex bolts item 15, that fasten the planter assembly to the rear frame assembly. Measuring from the middle of frame, move the planter in or out to half the row width. I.e. 24" row width measures 12" from middle frame to the planter assembly. Repeat for opposite planter assembly. See figure 11.

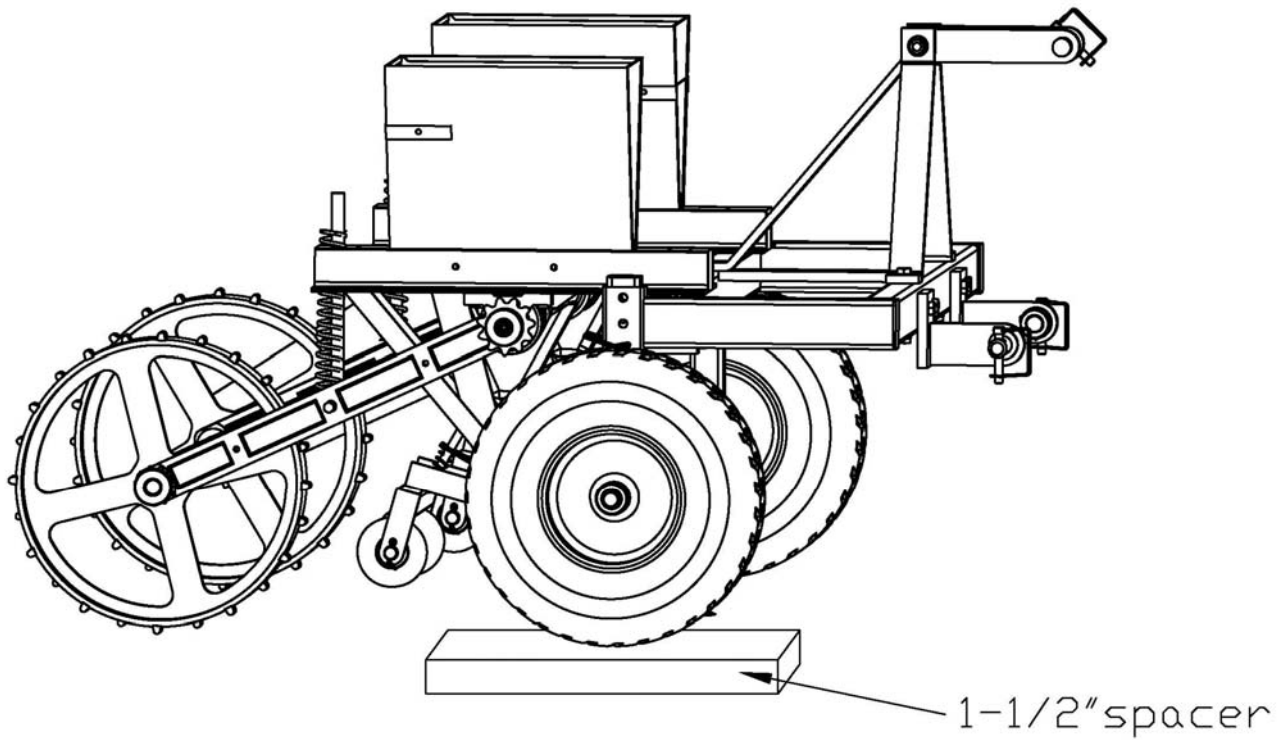


Figure 12

Setting Planter Seed Depth

1. Attach planter to the tractor with 3pt. Lower Planter to ground and adjust top link so that planter is level.
2. Lower planter to ground so that coulters sit on flat level surface. See figure 13 of next page.
3. Raise wheel assembly and place 1-1/2" spacer under wheel. Install lock pin into the closest holes in square tube.
Repeat for opposite side. The planter is now set to plant at the 1-1/2" depth.

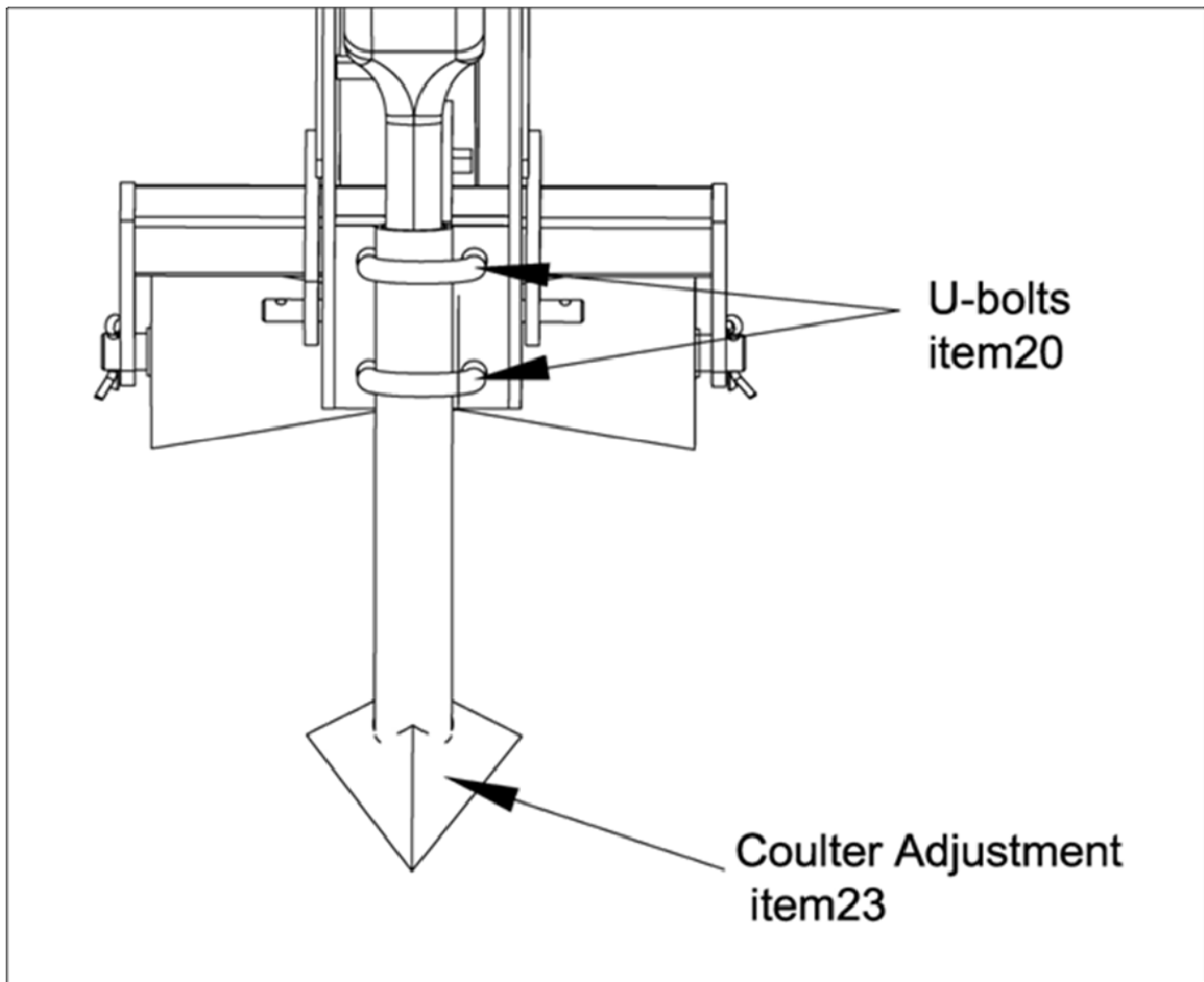


Figure 13

Coulters Adjustment

1. To move coulters assembly down raise planter off of flat surface, loosen the u-Bolts item 20 and lower coulters assembly down. Retighten U-bolts. See figure 13. Repeat steps 1 through 3 again, setting planter seed depth.

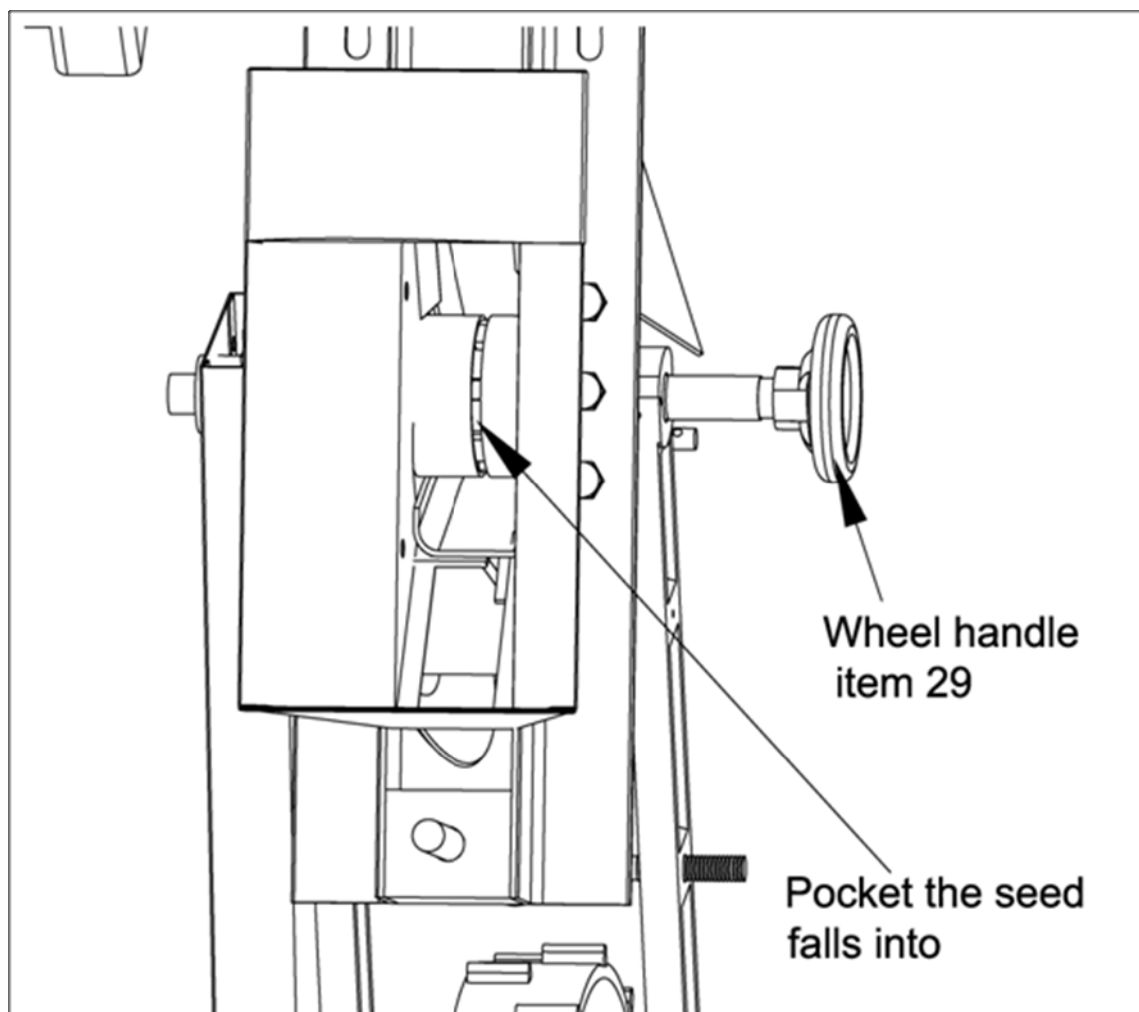


Figure 14

Adjustment for Seed Size

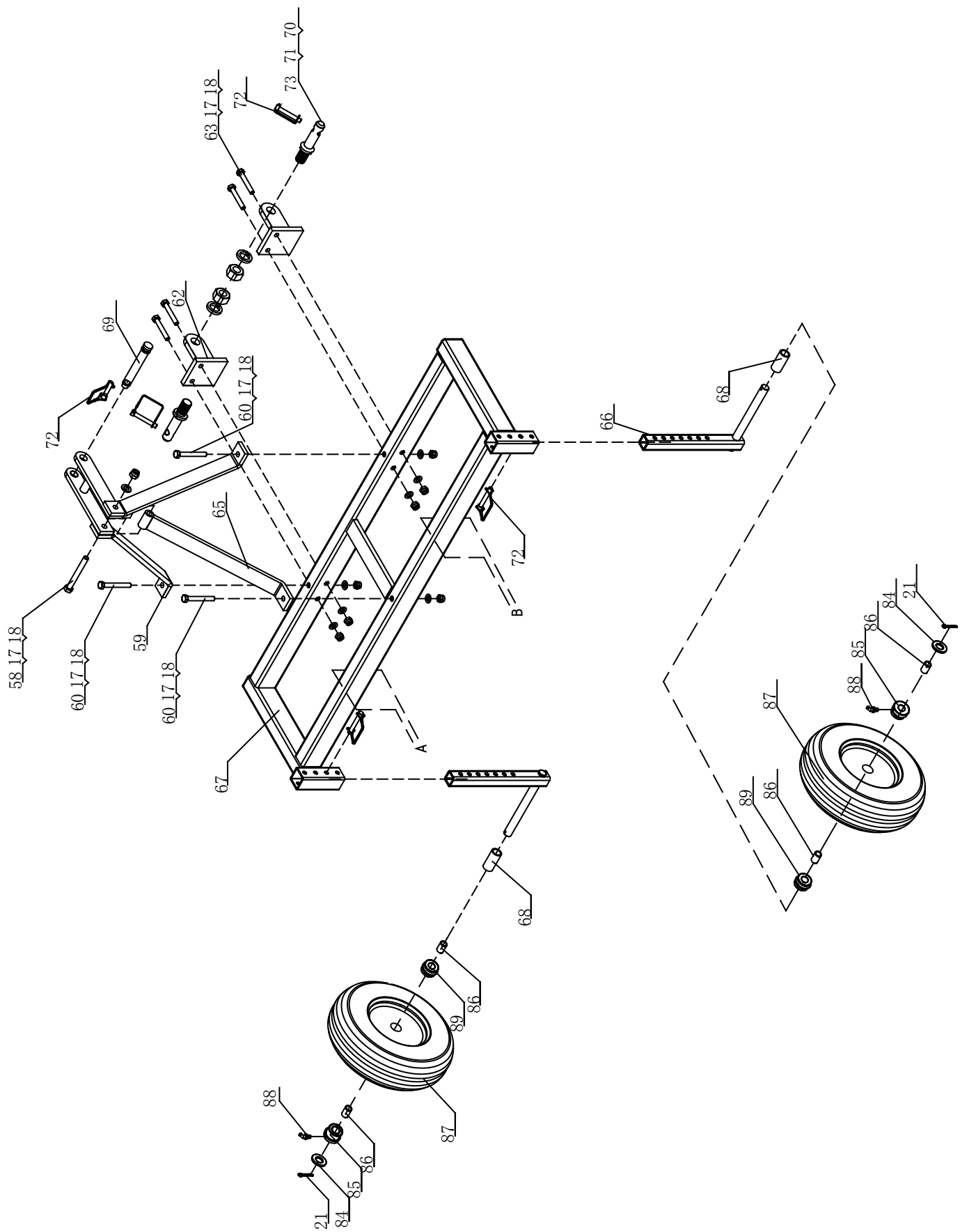
The wheel handle item 29 on the side of planter assembly is used to adjust the size of the pocket that the seed will fall into and be metered out of the hopper assembly. Turning the wheel handle clockwise makes the pocket smaller and counter clockwise enlarges it. See figure 14.

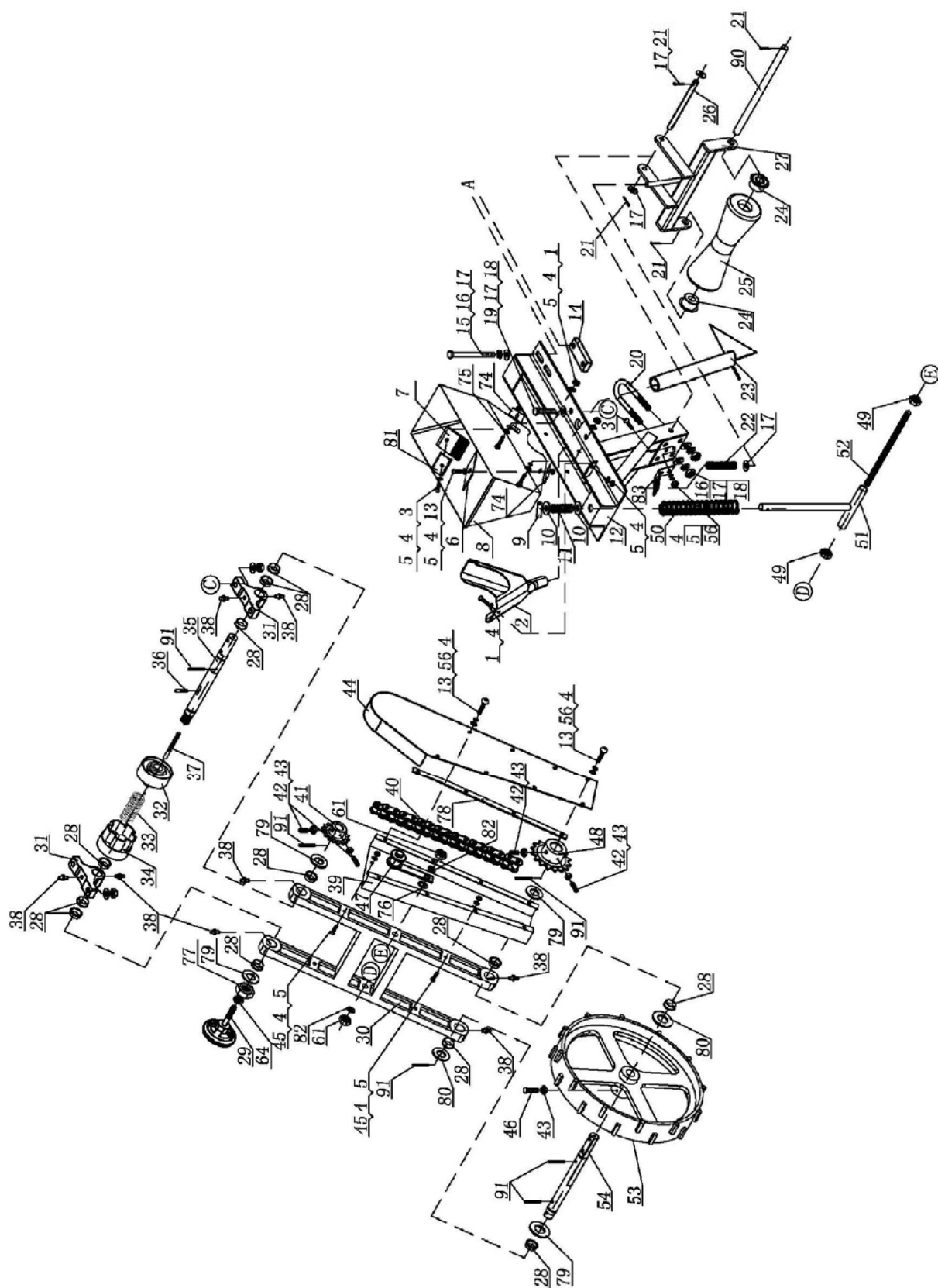
Note: Opening up the pocket so more than one seed will fit into pocket will give more population of plants.

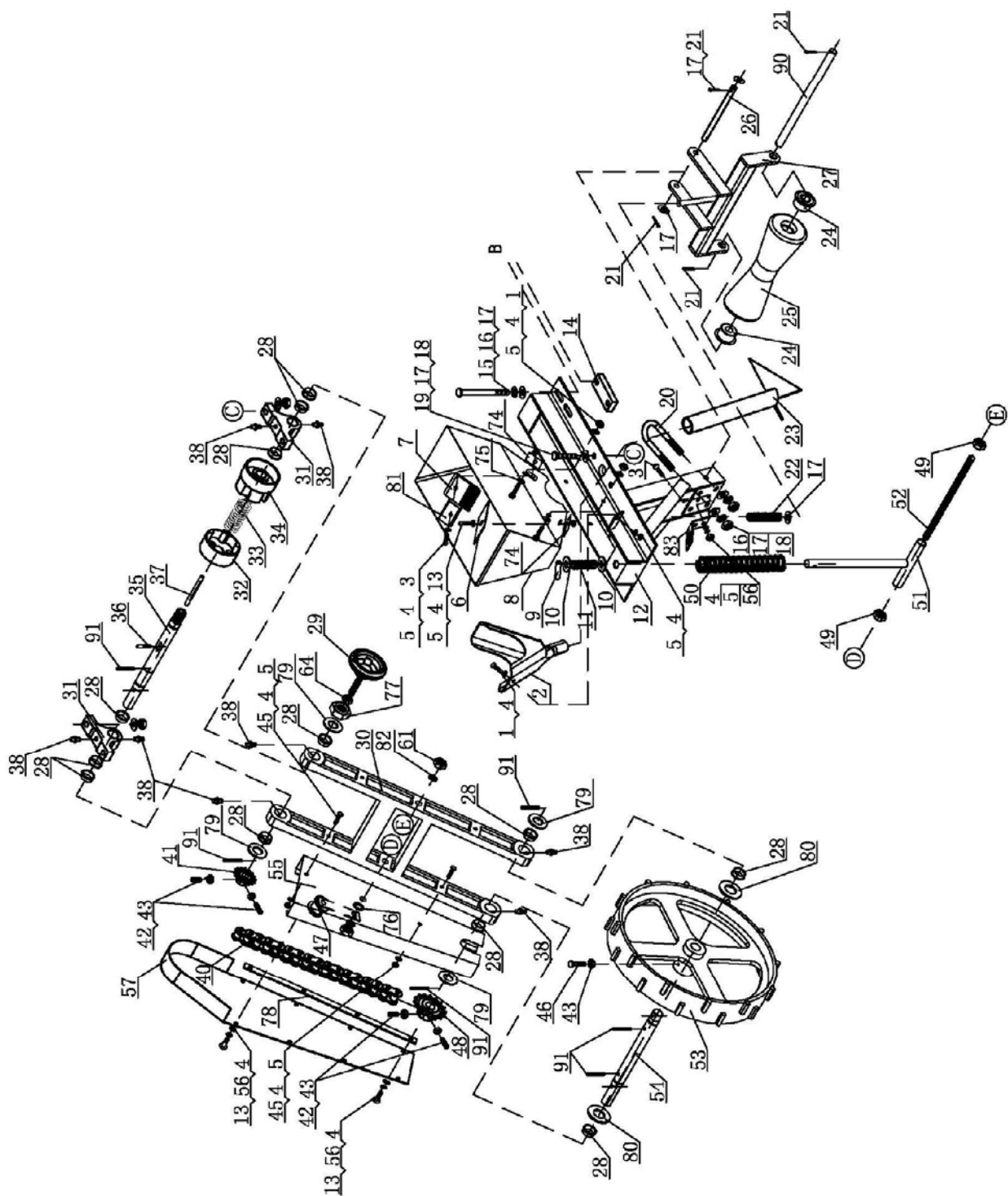
Concept of operation of planter.

As the planter is pulled forward the black steel wheel is ground driven. The black steel wheel drives the plastic seed hub inside the hopper. As the plastic hub turns the seed drops into the seed pockets. The seed then travels out the hopper via the seed pocket and then is dropped into seed tube. The seed then is placed into the ground and then is covered up by the rear roller.

Trouble Shooting Guide	
Problem	Solution
Planter will not drop seed out of hopper	Check to see that black steel wheel is contacting ground and is rotating when being pulled forward
Planter dropping seed erratically	Make sure black steel wheel is not sliding on to loose of soil. Wheel handle(item 29) may have to be adjusted so the seed pocket is larger.
Planter not planting seed to the proper depth.	Reset planter seed depth (Wheels control depth)







Part List

Part No.	Description	Qty.
1	Hex Bolt M6x16	10
2	Plastic Hopper	2
3	Screw M6x20	6
4	Flat Washer Ø6	36
5	Nylon Lock Nut M6	22
6	Back Plate Inside	2
7	Brush Assy	2
8	Corn Hopper	2
9	Elastic Cylindrical Pin	2
10	Flat Washer Ø16	4
11	Spring I	2
12	Hopper Bracket	2
13	Phillips Screw M6x16	18
14	Rectangle Plate	4
15	Hex Bolt M10x85	8
16	Lock Washer Ø10	13
17	Flat Washer Ø10	34
18	Nylon Lock Nut M10	20
19	Hex Bolt M10x35	8
20	"U" Bolt	4
21	Cotter Pin Ø4x30	10
22	Small Spring	2
23	Colter Assy	2
24	Bearing	4
25	Rubber Covering Roller	2
26	Pin	2
27	Covering Roller Frame Assy	2
28	Composite Bearing	24
29	Wheel Handle	2
30	Connect Bar	2
31	Bearing Bracket Assy	4
32	Control Cover	2
33	Control Spring	2
34	Control Bushing Inside	2
35	Axle for Adjuster	2
36	Rod Pin Ø5x30	2
37	Rod Pin Ø8x80	2
38	Oil Fitting M6	16
39	Right Protection Cover	1
40	Chain	2
41	11 teeth Sprocket	2
42	Hex Screw M8x25	8
43	Nylon Lock Nut M8	10
44	Right Cover	1
45	Hex Bolt M6x30	4
46	Hex Bolt M8x35	2

Part No.	Description	Qty.
47	Trolley	2
48	16 Teeth Sprocket	2
49	Hex Nut M12	4
50	Long Spring	2
51	"T" tube Weldment	2
52	Double End Bolt	2
53	Hub	2
54	Hub Shaft	2
55	Left Protection Cover	1
56	Lock Washer Ø6	20
57	Left Cover	1
58	Hex Bolt M10x100	1
59	Top Link Bracket	1
60	High Strength Hex Bolt M10x85	3
61	Nylon Lock Nut M12	4
62	Lower Link Brackets	2
63	Hex Bolt M10x65	4
64	Hex Nut M10	2
65	Middle Top Brace Mount	1
66	Wheel Bracket	2
67	Frame	1
68	Spacer Bush	1
69	Cat 1 Pin 3/4 "	1
70	Nut	2
71	Lock Washer Ø22	2
72	Lock Pin	5
73	Cat 1 Pin 7/8"	2
74	Gasket	4
75	Big Washer Ø6	4
76	Flat Washer Ø12	2
77	Nylon Lock Nut M20	2
78	Gasket	4
79	Flat Washer Ø20	8
80	Flat Washer Ø22	4
81	Brush Press Plate	2
82	Lock Washer Ø12	4
83	Slotted Plate	2
84	Flat Washer Ø20	2
85	Axle Bushing Outside	2
86	Complex Bearing 19x40	4
87	Tire	2
88	Bent Oil Fitting M6	2
89	Axle Bushing Inside	2
90	Clamping Roller Axle	2
91	Elastic Cylindrical Pin	12

For replacement parts and technical questions, please call **1-218-943-6296**

WARRANTY

One-year limited parts warranty



**TG
PO Box 203
Miltona, MN 56354
MADE IN CHINA**