

# **DRL-072 CROP SEEDER**

## **Operator's Manual**



March 2019

# TABLE OF CONTENTS

INTRODUCTION .....	1
SAFETY .....	1
SAFETY SIGNAL WORDS .....	2
GENERAL SAFETY GUIDELINES .....	2
SAFETY DECAL CARE .....	3
BEFORE OPERATION .....	3
DURING OPERATION .....	4
HIGHWAY AND TRANSPORT OPERATIONS .....	5
IMPORTANT INSTRUCTIONS BEFORE FIRST USE .....	7
ASSEMBLY.....	8-10
SEED FERTILIZER.....	11-12
PARTS BREAKDOWN.....	14-35

# INTRODUCTION

Thank you for purchasing your DRL-072 Crop Seeder. The DRL-072 is designed to be used in prepared seeding conditions. It is not intended as a No-Till Drill. It is important to properly maintain and keep in place all safety guards and shields that came with your Machine.

## SAFETY

Read and understand this manual and all safety signs before operating and maintaining. Review the safety instructions and precautions annually.

**TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.**



**THIS SYMBOL MEANS**  
**ATTENTION!**  
**BECOME ALERT!**  
**YOUR SAFETY IS INVOLVED!**



## SAFETY SIGNAL WORDS

Note the use of the signal words DANGER, WARNING and CAUTION with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

**DANGER:** Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.



**WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.



**CAUTION:** Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.



## GENERAL SAFETY GUIDELINES

Safety of the operator is one of the main concerns in designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, or for you, follow them.

Replace any CAUTION, WARNING, DANGER or instruction safety decal that is not readable or is missing. Location of such decals are indicated in this booklet.

Do not attempt to operate this equipment under the influence of drugs or alcohol.

Review the safety instructions with all users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operations. **Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works.**

To prevent injury or death, use a tractor equipped with a Roll Over Protective System (ROPS). Do not paint over, remove or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.

Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question - **DON'T TRY IT.**





## SAFETY DECAL CARE

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replaced parts that displayed a safety sign should also display the current sign.
- Safety signs are available from your Distributor or Dealer Parts Department or the factory.

### How to Install Safety Signs:

- Be sure that the installation area is clean and dry.
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of decal backing paper.



## BEFORE OPERATION

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing, which may catch in moving parts.
- Always wear protective clothing and substantial shoes.
- Assure that all tires are inflated evenly.
- Give the unit a visual inspection for any loose bolts, worn parts or cracked welds, and make necessary repairs. Follow the maintenance safety instructions included in this manual.
- Be sure that there are no tools lying on or in the equipment.
- Do not use the unit until you are sure that the area is clear, especially of children and animals.

- Don't hurry the learning process or take the unit for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.
- Use a tractor equipped with a Roll Over Protective System (ROPS) and fasten your seat belt prior to starting the engine.
- The manufacturer does not recommend usage of tractor with ROPS removed.
- Move tractor wheels to the widest recommended settings to increase stability.
- Securely attach to towing unit. Use a high strength, appropriately sized hitch pin with a mechanical retainer and attach safety chain.
- Do not allow anyone to stand between the tongue or hitch and the towing vehicle when backing up to the equipment.



## DURING OPERATION

- Children should not be allowed on the product.
- Clear the area of small children and bystanders before moving the feeder.
- If using a towing unit, securely attach feeder by using a hardened 3/4" pin, a metal retainer, and safety chains if required. Shift towing unit to a lower gear before going down steep downgrades, thus using the engine as a retarding force. Keep towing vehicle in gear at all times. Slow down for corners and rough terrain.
- Make sure you are in compliance with all local and state regulations regarding transporting equipment on public roads and highways. Lights and slow moving signs must be clean and visible by overtaking or oncoming traffic when feeder is transported.
- Beware of bystanders, **particularly children!** Always look around to make sure that it is safe to start the engine of the towing vehicle or move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
- **NO PASSENGERS ALLOWED** - Do not carry passengers anywhere on, or in, the tractor or equipment, except as required for operation.
- Keep hands and clothing clear of moving parts.
- Do not clean, lubricate or adjust your equipment while it is moving.
- When halting operation, even periodically, set the tractor or towing vehicle brakes, disengage the PTO, shut off the engine and **remove the ignition key**.
- Be especially observant of the operating area and terrain - watch for holes, rocks or other hidden hazards. Always inspect the area prior to operation.

- **DO NOT** operate near the edge of drop-offs or banks.
- **DO NOT** operate on steep slopes as overturn may result.
- Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.



## HIGHWAY AND TRANSPORT OPERATIONS

- Adopt safe driving practices:
  - ⇒ Keep the brake pedals latched together at all times. **NEVER USE INDEPENDENT BRAKING WITH MACHINE IN TOW AS LOSS OF CONTROL AND/OR UPSET OF UNIT CAN RESULT.**
  - ⇒ Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop to be safe and secure. Keep speed to a minimum.
  - ⇒ Reduce speed prior to turns to avoid the risk of overturning.
  - ⇒ Avoid sudden uphill turns on steep slopes.
  - ⇒ Always keep the tractor or towing vehicle in gear to provide engine braking when going downhill. Do not coast.
  - ⇒ Do not drink and drive!
- Comply with state and local laws governing highway safety and movement of farm machinery on public roads.
- Use approved accessory lighting flags and necessary warning devices to protect operators of other vehicles on the highway during daylight and nighttime transport. Various safety lights and devices are available from your dealer.
- The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
- When driving the tractor and equipment on the road or highway under 40 kph (20 mph) at night or during the day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.
- Plan your route to avoid heavy traffic.
- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.
- Be observant of bridge loading ratings. Do not cross bridges rated lower than the gross weight as which you are operating.

- Watch for obstructions overhead and to the side while transporting.
- Always operate equipment in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the equipment when making turns, or stopping the unit, etc.
- Pick the most level possible route when transporting across fields. Avoid the edges of ditches or gullies and steep hillsides.
- Be extra careful when working on inclines.
- Maneuver the tractor or towing vehicle at safe speeds.
- Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.
- Avoid loose fill, rocks and holes; they can be dangerous for equipment operation or movement.
- Allow for unit length when making turns.
- Operate the towing vehicle from the operator's seat only.
- Never stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.
- Never leave running equipment attachments unattended.
- As a precaution, every 100 hours of operation recheck the hardware on equipment. Correct all problems. Follow the maintenance safety procedures.

# Introduction

It is important that you read the entire manual to become familiar with this product before you begin using it.

This product is designed for certain applications only. The manufacturer cannot be responsible for issues arising from modification. We strongly recommend this product 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 product until you have first contacted us to determine if it can or should be performed on the product.

This 71" seeder has 10 rows to seed corn, beans, oats, wheat, etc. The two boxes are equipment with closeable slides for each row. The seeder is equipped with 2 separate boxes. Each is made with a stainless steel box and nylon/plastic seed rollers to disperse seeds effectively and accurately.

## TECHNICAL SPECIFICATIONS

Weight	485 Lbs.
Req. HP	Minimum 20 HP
Seeding Rows	10
Row Spacing	7.5"
Seed/Fertilizer Rate	See Chart
Sowing Depth	3/4" - 2"

- Suitable for drilling and fertilizing corn, beans, oats, etc. in level or gently rolling fields.
- The double disc coulters create an opening to fertilize and seed easily in tilled soil.
- The depth of seeding can be adjusted. Seeding quantity can be adjusted.
- The seeder can plant seeds, fertilize, roll and drag all at the same time.

# Assembly

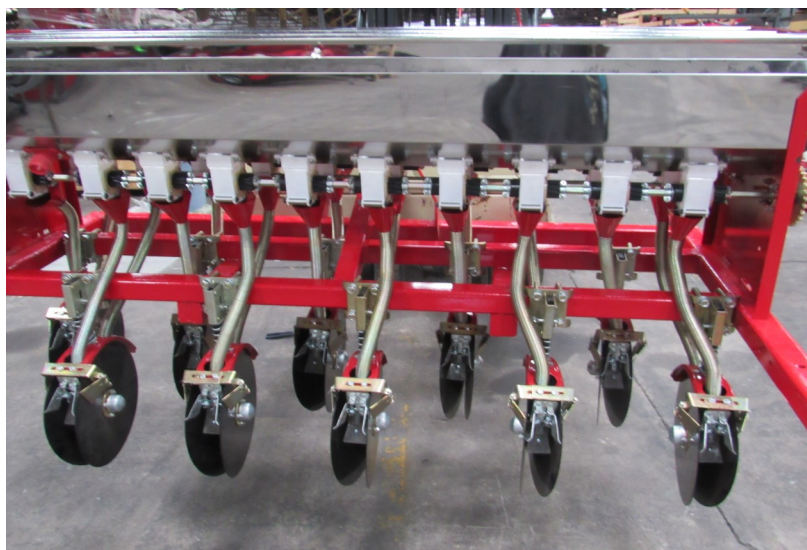
1. Support frame a few feet above floor with blocks or a Tar River Implement handler.
2. Bolt on coulters assemblies using the U-bolts closed end facing the three point, using the last two bars. Off set the drills as evenly as possible 5 on one bar 5 on the next bar.



3. Screw one red cup to each side of each spring, fold the spring as evenly as possible and cut the spring in the middle using side cuts. Until you have a total of 20 cups with springs.
4. Flip spreader box upside down before installing, install each of the cups to the feed hole using a cotter pin, place a washer on the loop side of cotter pin before installing. (Use the last hole on the feed side).
5. Install RED shut off flap into each seed cup.



CLEAN OUT LEVER

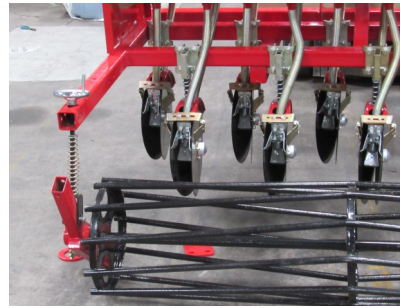


6. With assistance carefully lift and flip spreader box on the frame. (make sure cleanout lever is towards rear). Using copper colored bolts install bolt and nuts use a washer on both sides of the box, DON'T TIGHTEN.

7. Install Cage Roller on both Roller Arms. Ensure Grease Fitting is to the outside. Secure in place with nuts and cotter pins.



8. Install lower arm brackets onto frame 4 total 2 on each side as well as smaller sprocket screw side facing out.



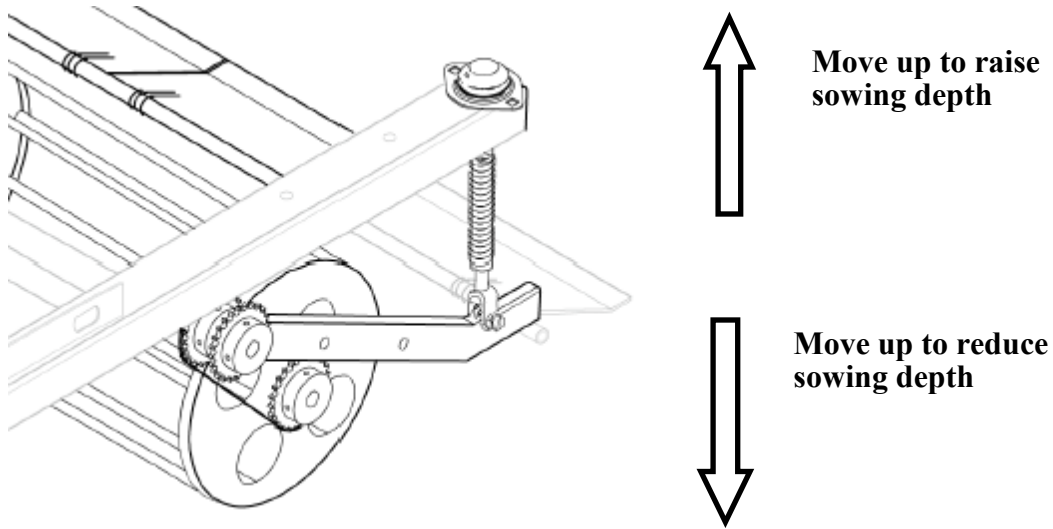
9. Install chain on both sides, pull box back to tighten chain then tighten box bolts,
10. Install chain guard on both sides.



11. Remove cotter pins and one washer from rollers place folding arms on rollers and replace the washers and cotter pins then install folding arms in end holes. Use 4-inch bolts with lock-washers. Bolt to frame.
12. Install spring board to end.
13. Install walk board.
14. Install box lid opening towards 3 points
15. On the open/close wheel on each side remove cotter pin and replace with a roll pin after installing pin make sure to open and close both sides to verify that all doors are functional. (Initially the adjustment regulator will be tight, it helps to turn the rear adjustment roller before and during this procedure).



## SOWING DEPTH CONTROL



- The Sowing Depth Control Device makes the seeder keep the same seeding depth during use.
- The Rear Roller will power the chain and the gear. The coulter will open the soil, the seed box will drop the seed and the cover plate will close the soil.
- To adjust the sowing seeds depth, loosen the nut located below each side of the Adjusting Handle. Then rotate the Adjusting Screw clockwise. This will bring the rear roller upward to get deeper sowing depth, or rotate the nut counter-clockwise to get a shallow sowing depth. Tighten the lock nut after each adjustment.

## MAINTENANCE

- **Lubricate each chain sprocket, axis and all friction parts every four working hours. Do NOT lubricate on the chain and disc directly.**
- **Check all bolts. Tighten before and/or after each use.**
- **Clean and check after each use.**

Maintain your seeder. It is recommended that the general condition of any seeder be examined before it is used. Keep your seeder in good repair by adopting a program of conscientious repair and maintenance. If any abnormal vibrations or noise occurs, have the problem corrected before further use. Have necessary repairs made by qualified service personnel.



1. Note the following in order to avoid fertilizer burn:
2. The fertilizing rate should be controlled according to your field condition.
3. Choose the proper fertilizer for the seed.
4. Always inspect, maintain or adjust the seeder after each use.
5. While operating the seeder, keep area clean, free of clutter and well lit. Keep children and bystanders away. Distractions can cause you to lose control, so bystanders should remain at a safe distance from the work area.
6. The seeder should raise and lower smoothly. Avoid quick height adjustments as it could damage the machine.
7. The seeder should be inspected prior to each use. Carefully check all bolts, nuts, chains sprockets etc. to make sure they are in good condition and properly tightened.
8. Keep the hopper clean and make sure there is no moisture inside before you fill with seed and fertilizer.
9. Working speed can be 1 -3 miles/hr.
10. Do not stand/sit between the seeder and the tractor while operating.
11. Do not go in reverse or turn sharply while seeder is in the ground.
12. During planting, avoid unnecessary stopping in the field to maintain consistent sowing space.
13. Driver should have experience and be familiar with using this type of equipment.
14. The tractor should be stopped when adding seed/fertilizer, performing maintenance, adding gas and cleaning up debris, etc.
15. Do NOT go under the seeder for inspecting or repairing while seeder is raised by tractor.

#### SEEDING/FERTILIZING ADJUSTMENT DEVICE

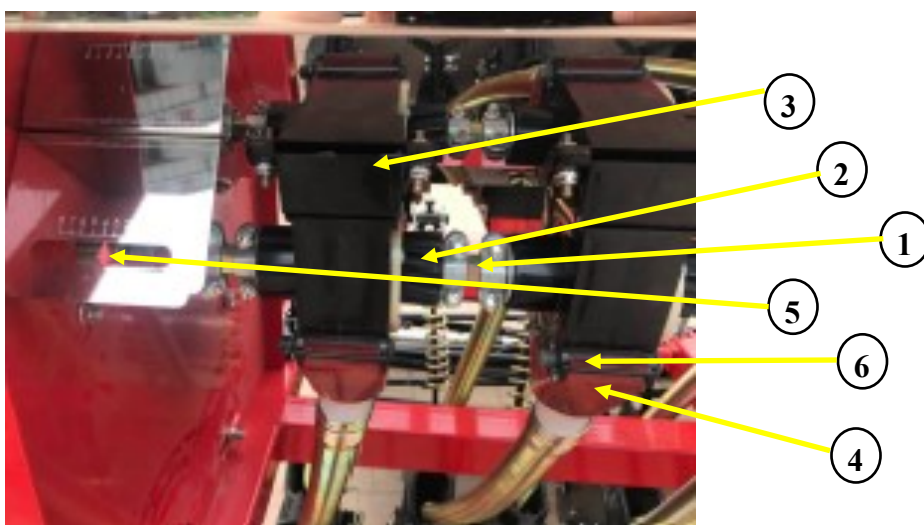
(Pre-installed under the top hopper case)

The seeding adjustment device is mainly composed of the seeding/fertilizing device, seeding/fertilizing box and the seeding/fertilizing wheels. The Seeding/Fertilizing Box is attached on the Seeding/Fertilizing Axis by two clips and the seed rate is adjustable by controlling the position of this seed/fertilizer wheel.

#### **Note the following in order to avoid fertilizer burn:**

The fertilizing rate should be controlled according to your field condition.

Choose the proper fertilizer for the seed.



- |                        |             |
|------------------------|-------------|
| 1 Hex drive shaft      | 4 Clean out |
| 2 Seed/Fertilizer Gear | 5 Indicator |
| 3 Cup                  | 6 Clip      |

Weight, size, relative humidity, and moisture content can affect seeding rates. Users can adjust the position of the seed/fertilizer tongue and lock in different positions by moving the cotter pin to meet the different seeding/fertilizing size.

#### SEEDING/FERTILIZING RATE ADJUSTMENT HANDLE

To adjust the fertilizer rate, you will need to adjust hand wheels (on each side of hopper). The seed/fertilize rate depends on the seed/fertilizer you want to plant, please refer to your seed/fertilizer supplier's instruction to get the proper seed/fertilize rate.

Before adjusting the seed rate, return the rate to zero by rotating the hand wheel, then check and make sure all seeding/fertilizing wheels are fully closed on all seeding/fertilizing boxes. If not, you need to loosen the clips on both sides of the seeding/fertilizing wheel and push the wheel into the box. Tighten the clips. When the seeding/fertilizing box is closed and the meter indicates "0". Adjust fertilizing rate by rotating the hand wheel. The meter has 8 numbers from 0-8, from zero to Maximum.

#### SEEDING/FERTILIZING RATE CHART

For soybeans and corn, set the number on the Hand Wheel related to the seed size. You may want to do a test run before seeding.

To perform a test run:

1. In order to save the seed from a test run, cover the test area with plastic or a tarp before doing a test run.
2. The Hand Wheel controls the distance between each seed drop. Set the Hand Wheel to the proper position for your type of seed.

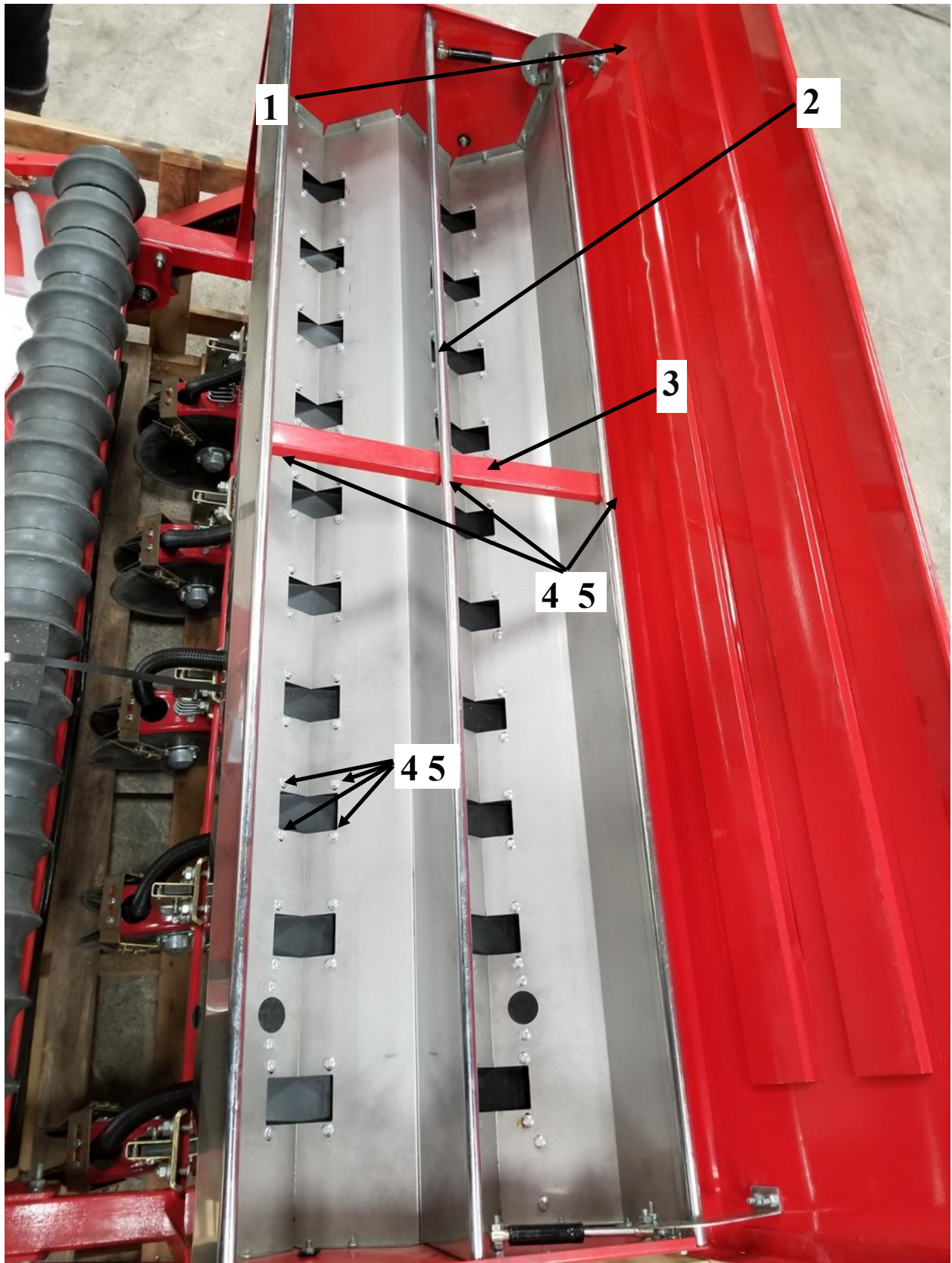
Set Number	1	2	3	4	5	6	7	8	
Wheat	9.6	17.50	25.30	33.00	41.00	49.00	56.50	64.50	lbs/acre
Oats	9.00	16.50	24.00	31.00	38.50	46.00	53.30	60.50	lbs/acre
Rye	11.00	20.00	29.00	38.00	47.00	56.00	65.00	74.00	lbs/acre
Perennial Grass	5.20	9.50	13.75	18.00	22.00	26.60	30.70	35.00	lbs/acre
Annual Grass	5.80	10.50	15.20	19.50	24.60	29.50	34.00	38.70	lbs/acre
Soybeans			Recommended	Recommended					Seed count/acre
Corn			Recommended	Recommended					Seed count/acre

3. Use one hopper (plug the other 9 hoppers) to do a test run.
4. Perform a test run for approximately 30 feet of distance.
5. Collect all the seeds you "seeded" in the test run.
6. Calculate the seed count per acre as follows:

$$\begin{array}{ccccccc}
 \text{Seeds Count} & & 43650 \text{ sq. ft.} & & & & \\
 \text{per Acre} & \times & \text{-----} & \times & 80 \text{ Seeds} & = & 38,800 \\
 & & 3 \text{ ft.} \times 30 \text{ ft.} & & & & 
 \end{array}$$

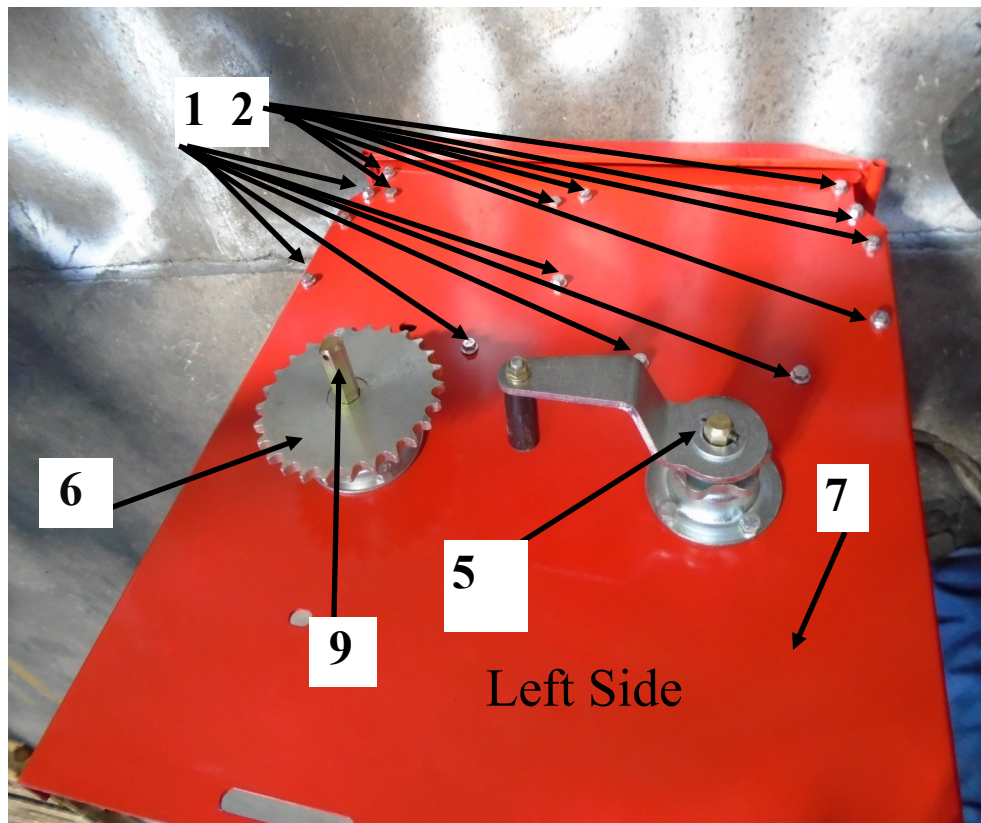
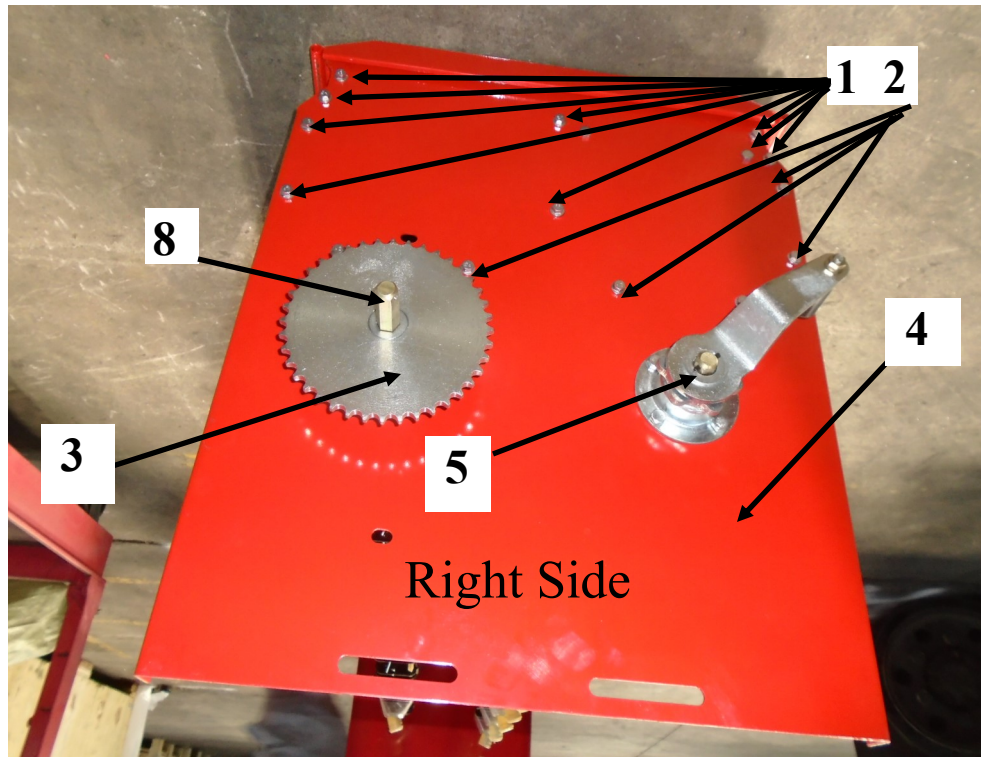
The determination of your row spacing depends on your local condition of soil, weather, etc.

# NOTES

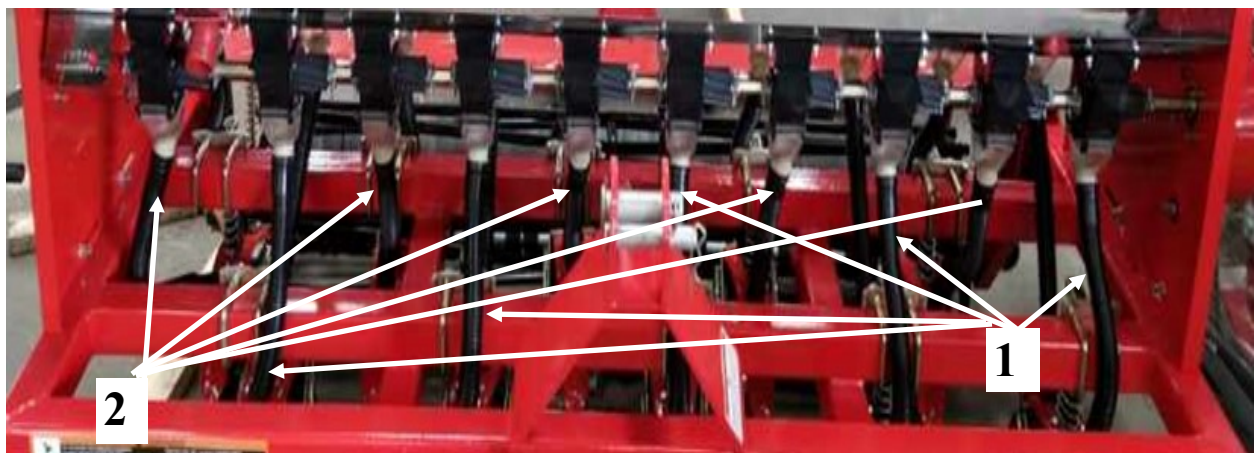
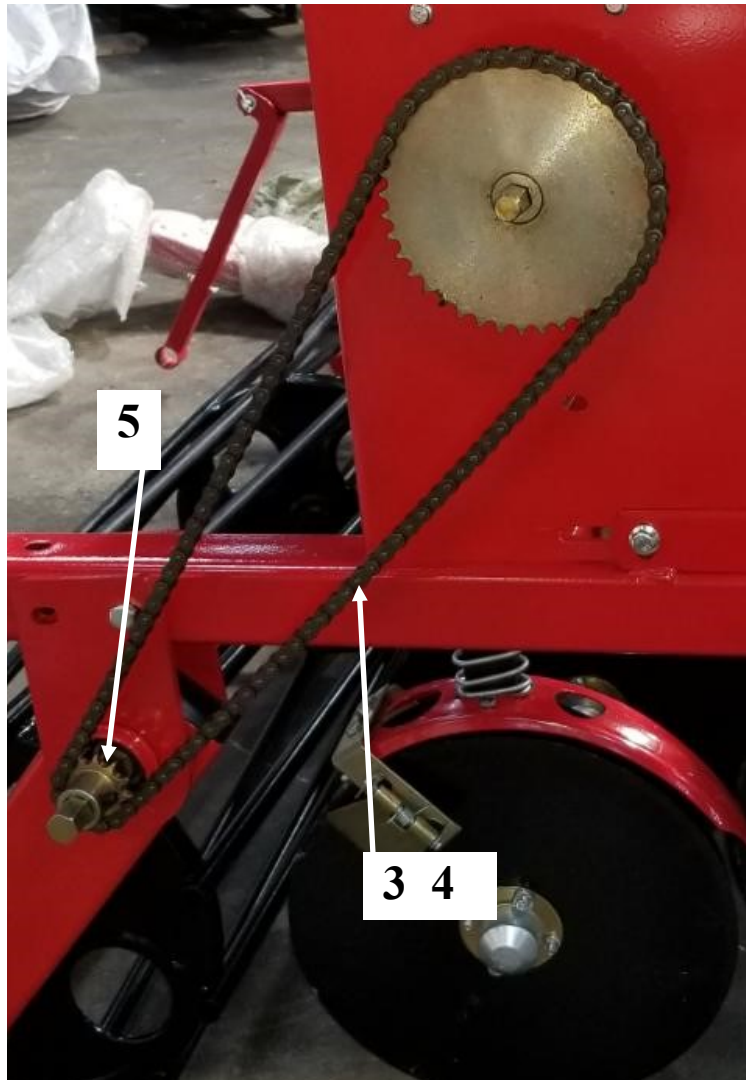


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL1001	Fertilizer/Seed Box Lid	1
2	DL1002	Box Support Bar	2
3	DL1003	Box Bottom	1
4	FBM061016	Flanged Bolt - M6 x 1.0 x 16	All locations - 51
5	FNM061	Flanged Nut - M6 x 1.0	All Locations - 51
6	D1224	Decal– Fertilizer/Seed Rate Chart	1 Top right inside Lid
7	5SD1004	Decal– Warning Chemical Hazard	1 Top left inside Lid



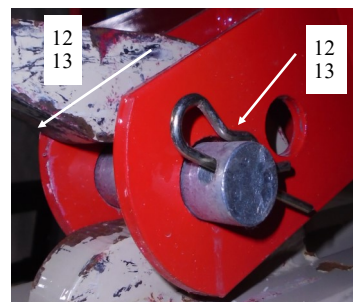
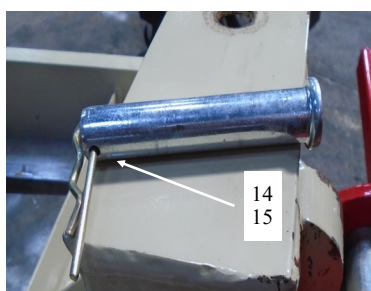
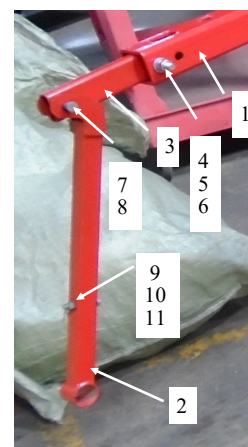
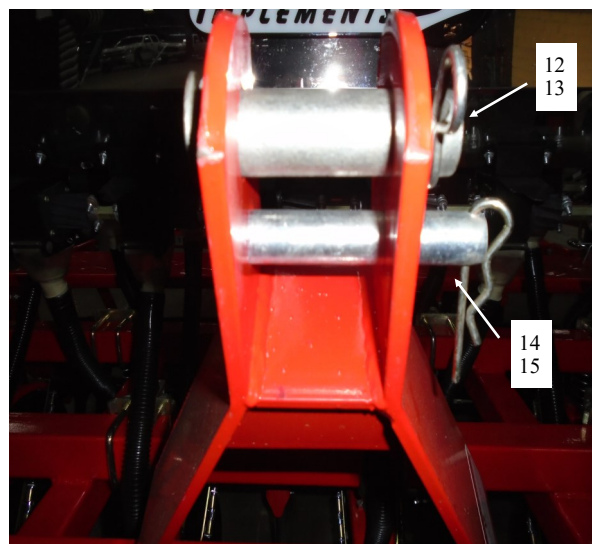
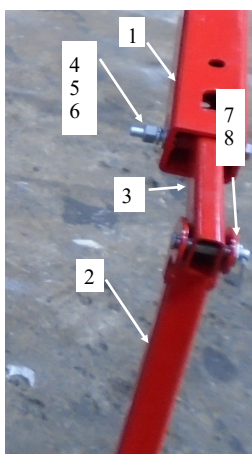


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	FBM061016	Bolts (on right or left side)	27
2	FNM061	Flanged Nut– M6 x 1.0	27
3	DL2003	Right Side Chain Sprocket	1
4	DL2004	Seed box Side (Right)	1
5	DL2005	Adjustment Handle Assembly	2
6	DL2006	Left Side Chain Sprocket	1
7	DL2007	Seed Box Side (Left)	1
8	DL2008	Seed Adjustment Shaft	1
9	DL2009	Fertilizer Adjustment Shaft	1

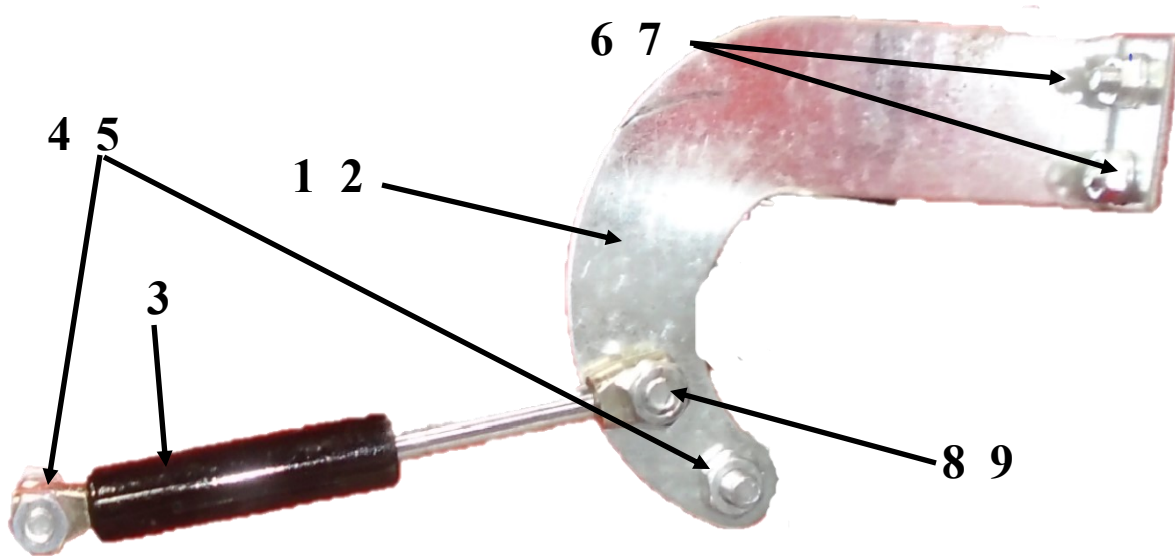




<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL3001	Fertilizer/Seed Tubes (Needs Cut to 470M)	15
2	DL3002	Seed Tubes (Needs Cut to 533M) These are the same hoses but the lengths need to be cut as specified.	5
3	DL3003	Chain- Left Side	1
4	DL3004A	Chain– Right Side 55MM Sprocket Small Link	1
4	DL3004B	Chain– Right Side 65MM Sprocket Large Link	1
5	DL3005A	Sprocket- 55MM Sprocket Right Side Only	1
5	DL3005B	Sprocket- 65MM Sprocket Left & Right Side	1

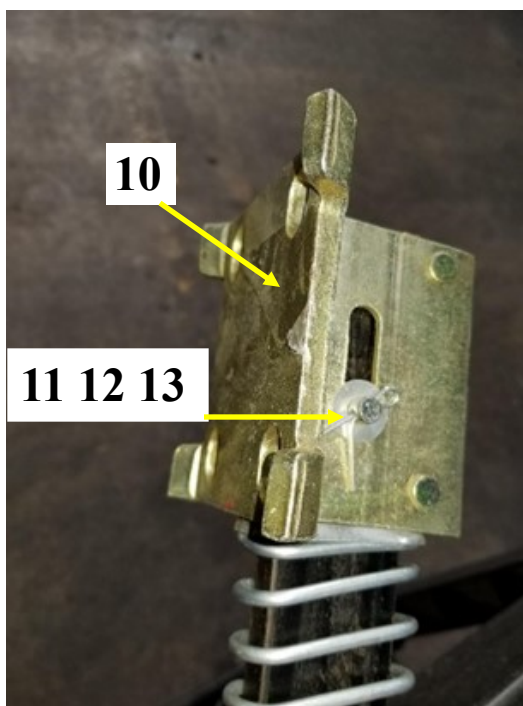
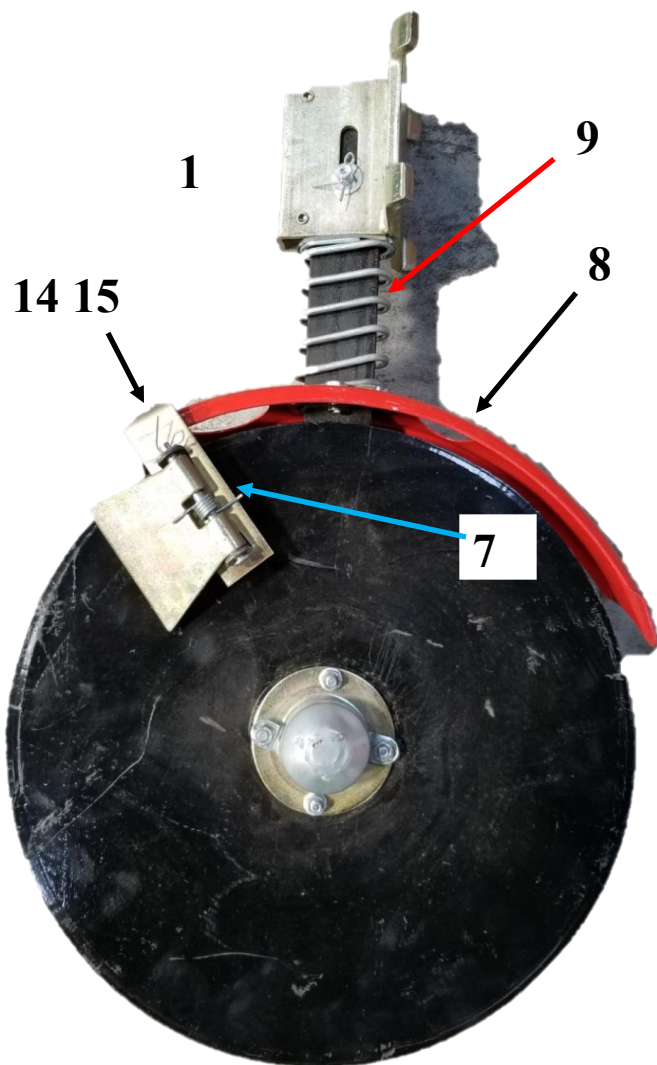
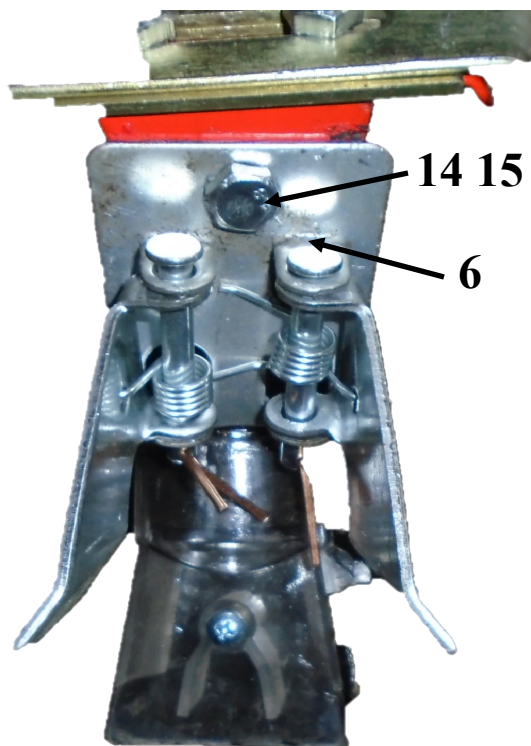
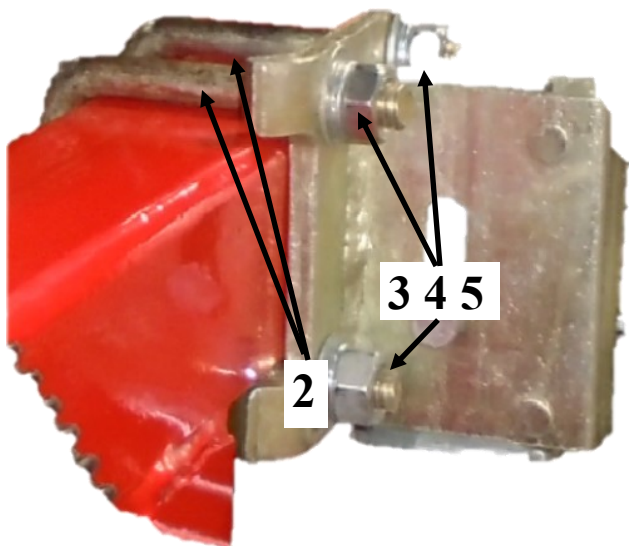


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL4001	Support Frame	1
2	DL4002	Cultipacker Roller Arm	2
3	DL4003	Support Arm	2
4	BM12175100	Bolt - M12 x 1.75 x 100	2
5	NM12175	Nut - M12 x 1.75	2
6	FW12	Washer	2
7	DL4007	Pin M12 x 54	2
8	CP3x25	Cotter Pin M3 x 25	2
9	BM0812550DE	M8 x1.25 x50 Drilled End	2
10	NM08125	Nut - M8 x 1.25	2
11	CP3x25	Cotter Pin M3 x 25	2
12	DL4012	Shoulder Pin M27 x 100	1
13	RC4	“R” Clip	1
14	DL4014	Shoulder Pin M20 x 115	1
15	RC4	“R” Clip	1

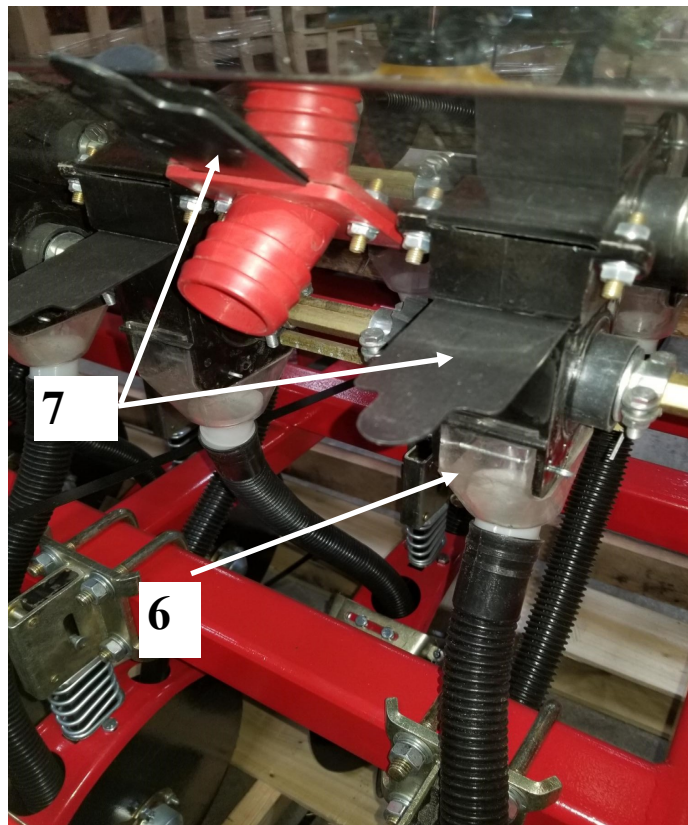
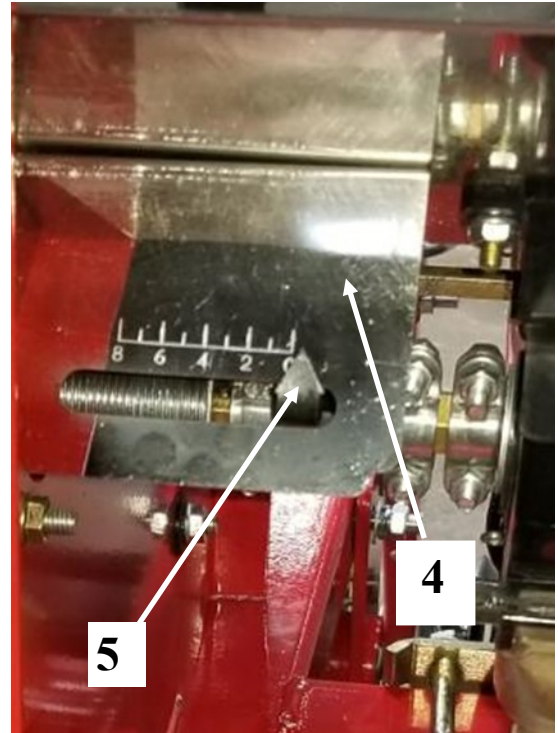
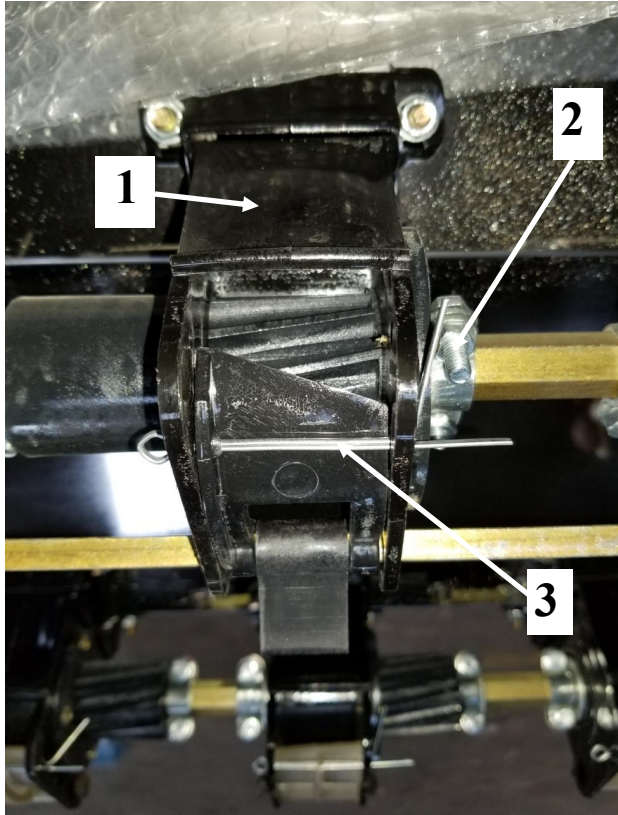


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL5001	Lid Bracket (Left Side)	1
2	DL5002	Lid Bracket (Right Side)	1
3	DL 5003	Lid Piston	2
4	BM0812540	Bolt	4
5	NM08125	Nut	4
6	FBM061016	Bolt– M6 x 1.0 x 16	4
7	FNM0610	Nut– M6 x 1.0	4
8	BM0812516	Bolt-	2
9	NM08125	Nut	2



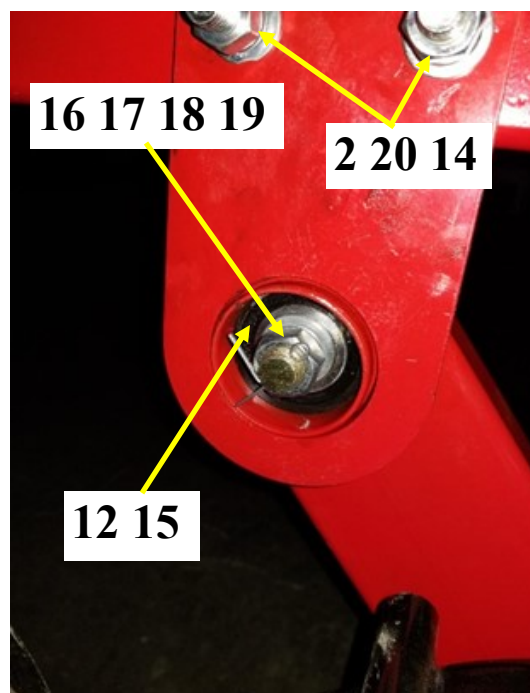
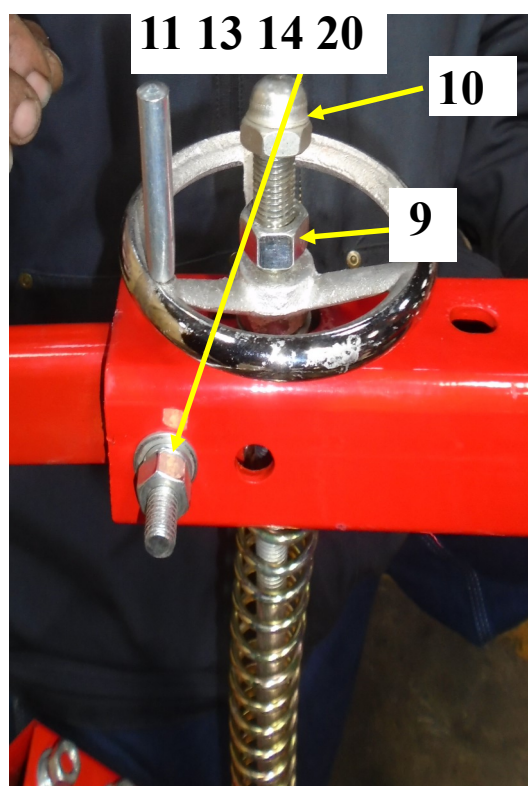
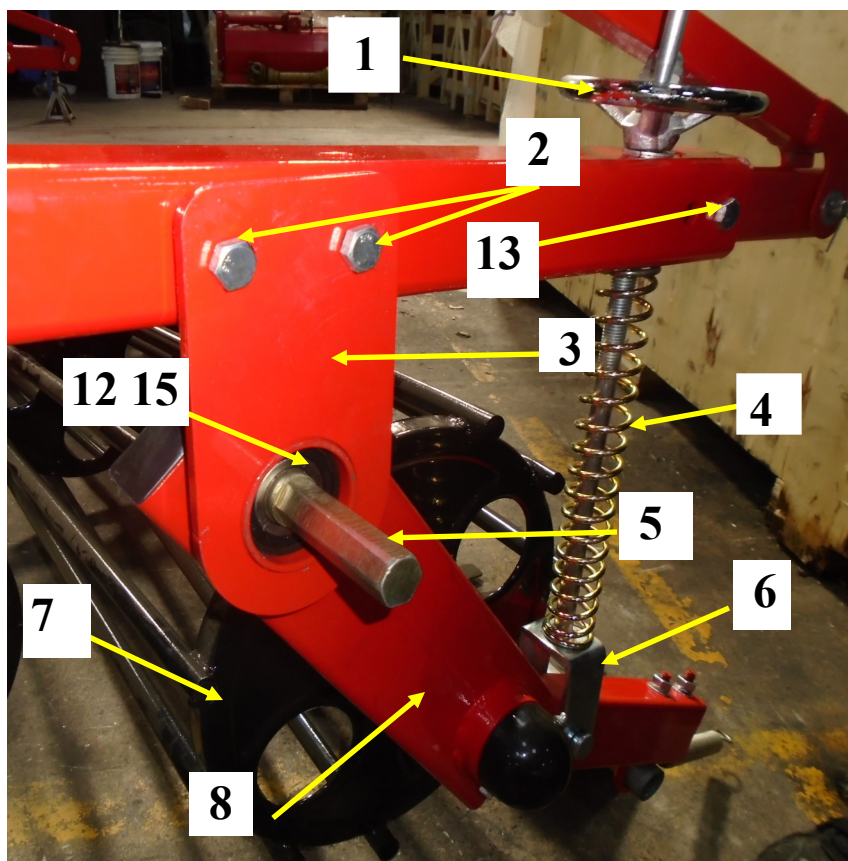


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL6001	Complete Cloture	10
2	DL6002	U-bolt– M12 x 1.75	20
3	FW12	Flat Washer– M12	40
4	LW12	Lock Washer– M12	40
5	NM12175	Nut– M12 x 1.75	40
6	DL6006	Scraper Assembly– Inner	10
7	DL6007	Scraper Assembly– Outer	10
8	DL6008	Fender	10
9	DL6009	Cloture Spring	10
10	DL6010	Cloture Mounting Bracket	10
11	DL6011	Shoulder Pin– M8 x 35	10
12	LFW08	Large Flat Washer– M8	10
13	CP2.5x20	Cotter Pin-M2.5 x 20	10
14	BM0812520	Bolt– M8 x 1.25 x 20	30
15	FNM08125	Flanged Nut– M8 x 1.25	30

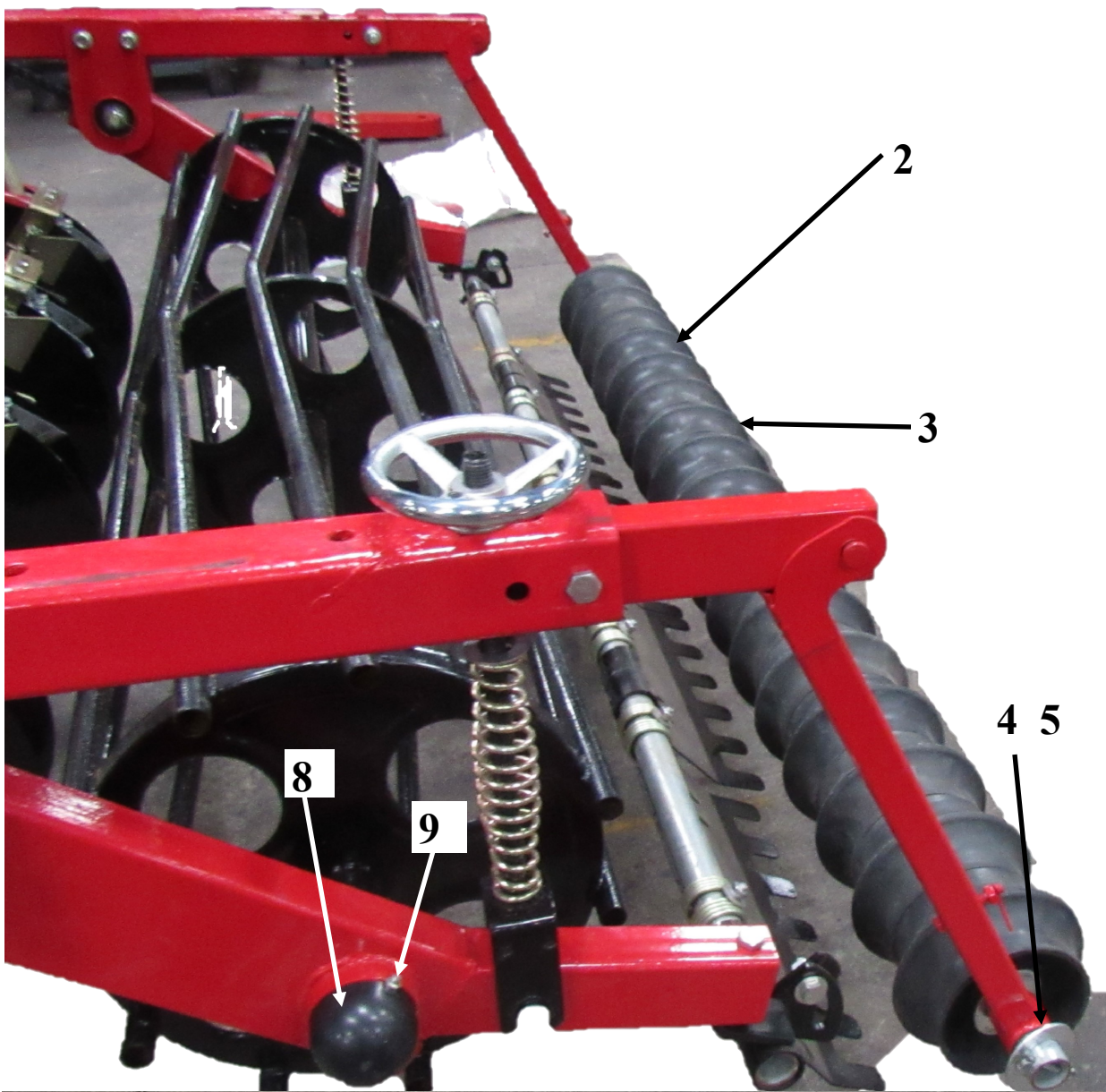




<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL7001	Seed/Fertilizer Distribution Box	20
2	DL7002	Complete Clamp Assembly	44
3	CP3x70	Cotter Pin– M3 x 70	20
4	DL7004	Distribution Face Plate	1
5	DL7005	Counter Pointer	1
6	DL7006	Seed Cup	20
7	DL7007	Waste/Seed/Fertilizer Flow Shutoff Flap	22

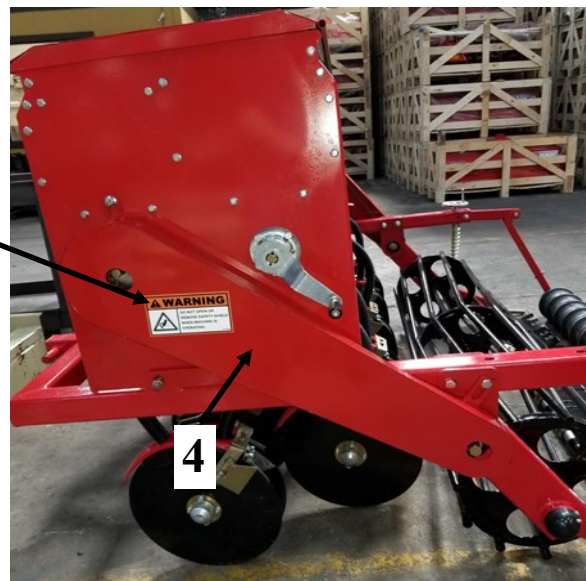
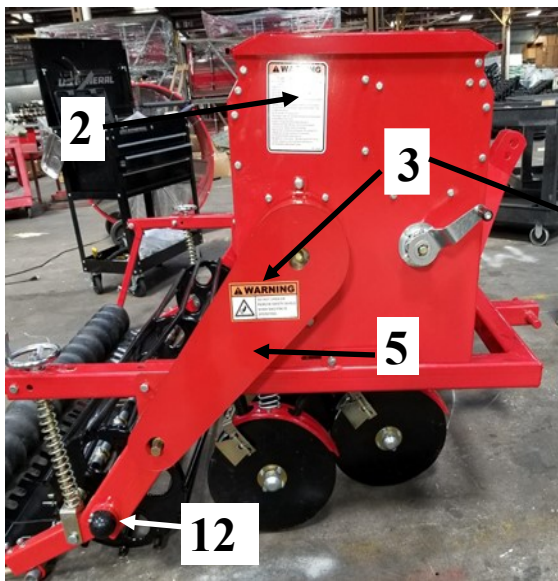
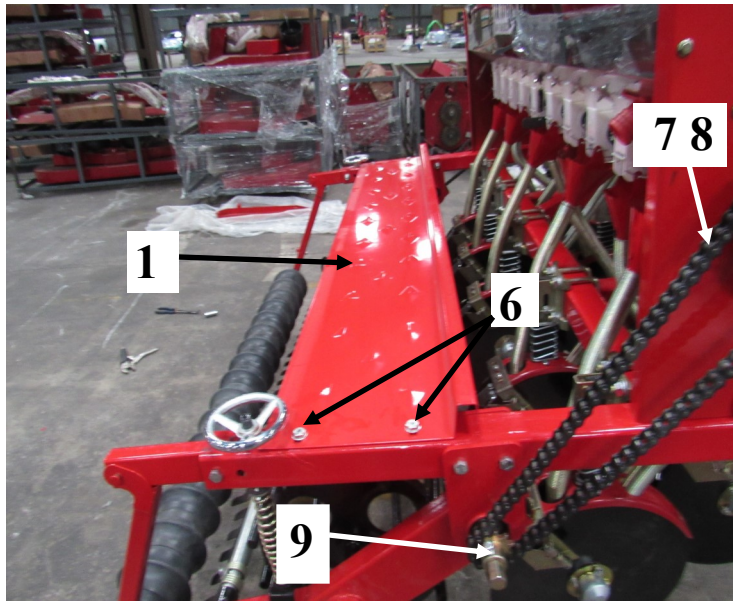


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL8001	Handle Complete	2
2	BM12175110	Bolt– M12 x 1.75 x 110	4
3	DL8003	Bracket	4
4	DL8004	Spring	2
5	DL8005	Small Gear Shaft	2
6	DL8006	Down Pressure Adjustment	2
7	DL8007	Drive Roller	1
8	DL8008	Arm	2
9	LM1620	Locking Nut– M16 x 2.0	2
10	DNM1620	Dome Nut– M16 x 2.0 (Optional)	2
11	BM1217590	Flat Washer– M12	1
12	B60062RS	Bearing– 6006 2RS	4
13	BM1217590	Bolt– M12 x 1.75 x 90	2
14	LW12	Lock Washer– M12	2
15	SRI-55	Snap Ring– Internal M55	4
16	FW16	Flat Washer– M16	2
17	LW16	Lock Washer– M16	2
18	NM1620	Nut– M16 x 2.0	2
19	CP3x35	Cotter Pin– M3 x 35	2
20	NM12175	Nut– M12 x 1.75	4

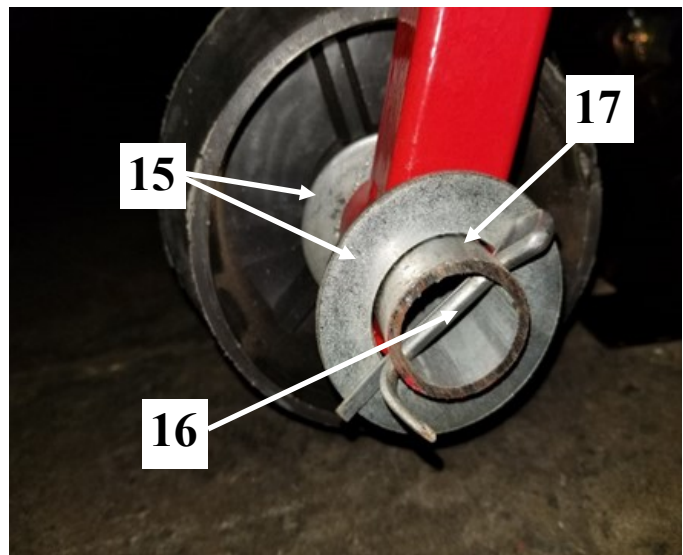
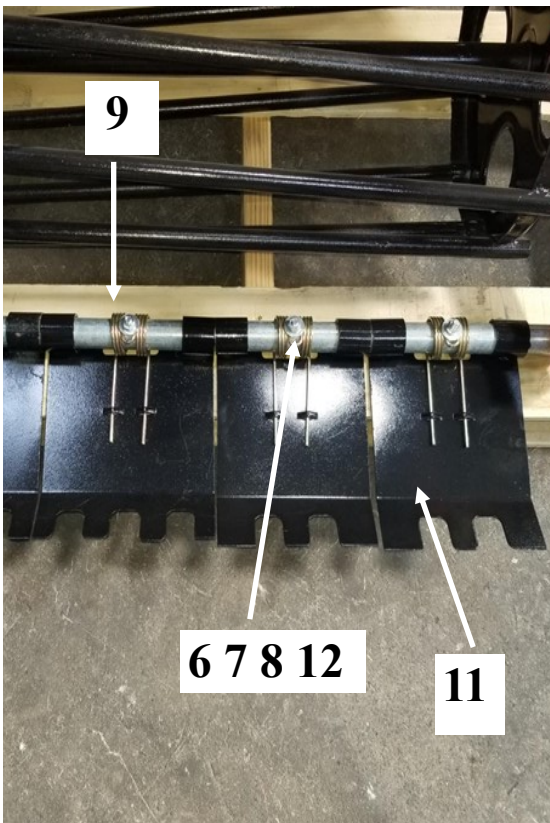
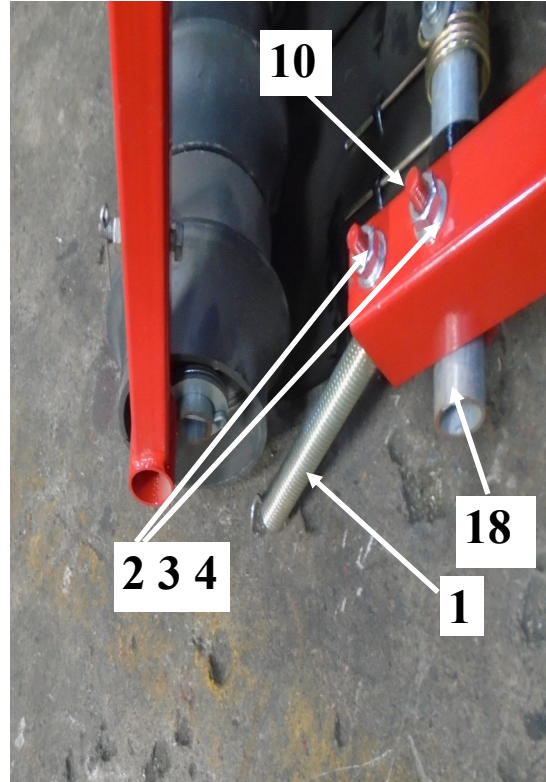
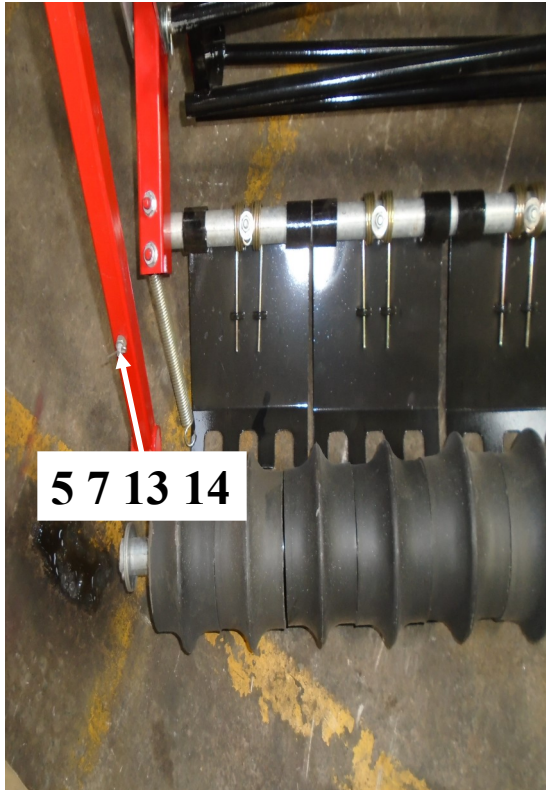


<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL9001	Drive Roller	1
2	DL9002	Cultipacker Roller- (Doesn't include Arms)	1
3	DL9003	Cultipacker Sections	17
4	FW24	Flat Washer– M24	2
5	CP5x50	Cotter Pin– M5 x 50	2
6	DL9006	Cultipacker Shaft	1
7	DL9007	Flap Shaft	1
8	DL10012	Protective Cover	2
9	GN081S	Grease Nipple– M8 x 1.0 (Straight)	2





<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL10001	Step Board	1
2	RT1004D	Decal– Warning	2
3	RT1004E	Decal– Warning	2
4	DL10004	Left Hand Chain Shield	1
5	DL10005	Right Hand Chain Shield	1
6	BM101580	Bolt– M10 x 1.5 x 80	4
7	NM1015	Nut– M10 x 1.5	4
8	LW10	Lock Washer– M10	4
9	DL10009	Protective Cover– Left	1





<b>Position</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	DL11001	Down Force Spring	2
2	NM1015	Nut– M10 x 1.5	4
3	FW10	Flat Washer– M10	4
4	LW10	Lock Washer– M10	4
5	BM0812545DE	Drilled End Bolt– M8 x 1.25 x 45	2
6	LFW08	Large Flat Washer	8
7	LW08	Lock Washer– M8	8
8	NM08125	Nut– M8 x 1.25	10
9	DL11009	Flap Spring	8
10	DL11010	U-Bolt– M10	2
11	DL11011	Flap	8
12	BM0812550	Bolt– M10 x 1.25 x 50	8
13	FW08	Flat Washer– M8	10
14	CP3x20	Cotter Pin– M3 x 20	2
15	FW24	Flat Washer– M24	4
16	CP5x50	Cotter Pin– M5 x 50	2
17	DL9006	Cultipacker Shaft	1
18	DL9007	Flap Shaft	1

