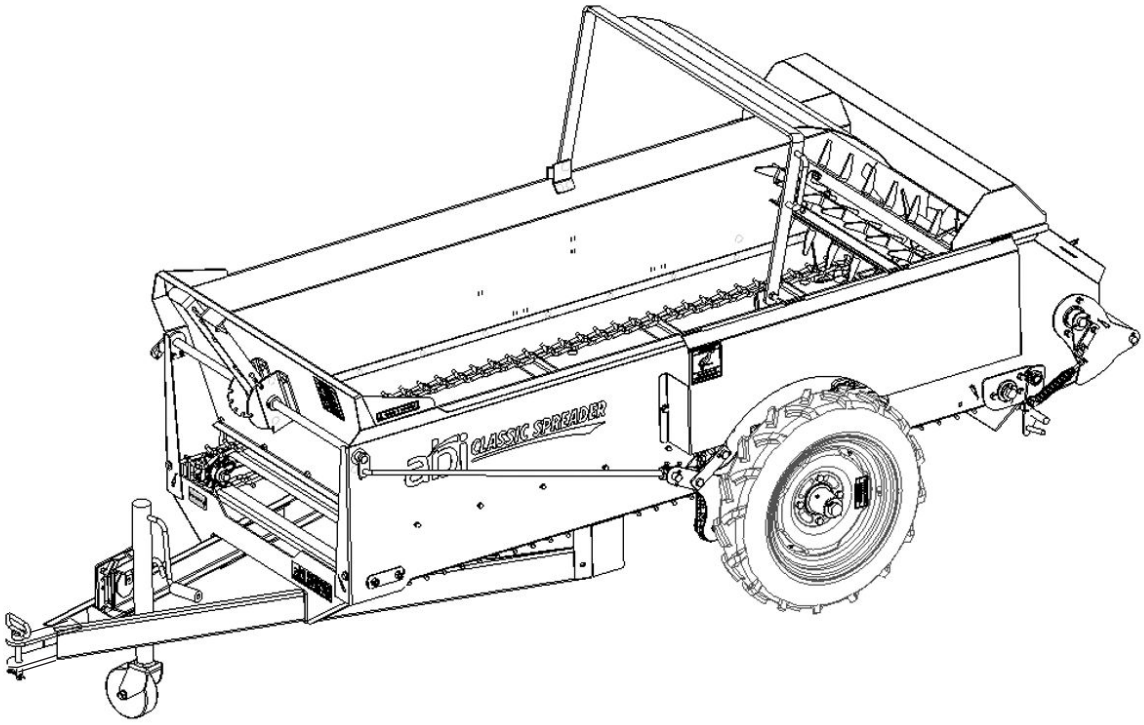
Form No. 10-80070 | Rev K | 3/8/2024

Owner's Manual

ABI CLASSIC SPREADERS

25/50/65 CUBIC FOOT GROUND DRIVEN MODELS



NOTE: This Owner's Manual covers several models. Features may vary by model. Not all features in this manual are applicable to all models and the model depicted may differ from yours.

Email: **support@abiattachments.com**

Call Toll Free: **877-788-7253**

For Your Records

Located on the front lower left corner of the unit is an ID plate showing the serial number. Record your machine's information and serial number in the space provided below. ABI will use this information to give you prompt, efficient service when you order parts or need product support.

Model and Serial Number

Model Number: _____

Serial Number: _____

Invoice Number: _____

Purchaser's Name: _____

Contact Information

ABI Attachments, Inc
520 S. Byrkit Ave.
Mishawaka, IN 46544

Customer Support

Email: abicustomerservice@abiattachments.com
Phone: 877-788-7253
Website: www.abisupport.com

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Product Manual Information

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LIMITED WARRANTY
ABI Manure Spreader Models

TERMS & CONDITIONS

"ABI" means ABI Attachments, Inc. 520 S Byrkit Ave, Mishawaka, Indiana 46544, 877.788.7253. The above referenced models are warrantied for the below reference terms per referenced component, from the original invoice date, against defects in materials and/or workmanship when put to normal and designed residential, farm, & ranch consumer use. This limited warranty is only valid on new equipment to the originalpurchaser with proof of purchase. Non-transferable.

Specific Terms

Mechanical & Components: 36 Month Farm & Ranch, 36 Month Commercial, & 3 Month Rental

- The mechanical workings and components are warranted for the term against defects, rust-through, and breakage under normal load, recommended maintenance and storage. Adjustments, however, are standard to using a spreader.

Box & Frame: 120 Month Farm & Ranch, 36 Month Commercial, & 3 Month Rental

- The box and frame are warranted for the term against defect, rust-through, and breakage under normal load, recommended maintenance, and storage.

Apron Chain: 120 Month Farm & Ranch, 36 Month Commercial, & 3 Month Rental

- The apron chain is warranted for the term against defect, rusting-through, or breakage under normal load, recommended maintenance, and storage. Chain stretch is normal, making adjustments is standard to using a spreader.

Poly Flooring: Usable Spreader Lifetime Farm & Ranch, Usable Spreader Lifetime Commercial, & 3 Month Rental

- The poly floorboards are warranted for the term against cracking, rotting, splitting, or peeling.

For the purpose of the warranties, "normal & designed use" refers to such uses shown in ABI marketing materials, websites, & videos specific to this product and does not include misuse, abuse, accidents, or damage due to inadequate maintenance, improper storage, lack of cleaning, or ongoing exposure to corrosive industrial chemicals or airborne salt. However, a final judgment of "normal & designed use" is the sole opinion of ABI.

ABI's obligation and or liability, under this warranty, of any product defect or claim for injury or damages is limited to repair or replacement of the product, or payment of the reasonable cost of repair or replacement of the product, at ABI's sole discretion and direction. During the warranty period, warranty replacement parts or replacement product will ship by a standard method at no charge to the warranty holder, in the United States & Canada only. Labor is not covered by this limited warranty. Expedited shipping costs or international shipping costs (Outside of US or Canada) of warranty parts or replacement product is the responsibility of the warranty holder.

To secure warranty service, the warranty holder must, (1) report the defect immediately to ABI customer service, in writing, for warranty consideration within the applicable warranty term and discontinue use of the product; (2) present photographic evidence of the warranty claim and valid proof of purchase; (3) return the product or part to ABI or independent service technician within 30 days of defect discovery or failure, for return, inspection, or repair; if required. If ABI is unable to repair the product to conform to the warranty in a reasonable number of attempts, ABI will provide, at its option, one of the following: (a) a replacement for the product or, (b) a full refund of the purchase price. Repair, replacement, or refunds are the warranty holder's EXCLUSIVE remedies against ABI under this limited warranty.

ABI IS NOT RESPONSIBLE FOR THE FOLLOWING: (1) Equipment purchased used; (2) Any equipment that has been altered or modified in ways not approved by ABI, including, but not limited to, unauthorized repair, and acts of God; (3) Depreciation or damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow operating instructions/ recommendations; misuse, abuse, lack of proper protection during storage or use, vandalism, the elements, collision or accident, salt spray, airborne salt, salt in the air from large bodies of saltwater (within 100 miles inland); (4) Normal maintenance/wear parts and/or service parts, including but are not limited to hoses, couplers, seals, cables, chains, sprockets, switches, pins, bolts, tires, rims, bearings, & springs. Periodic replacement of normally wearing parts is the responsibility of the warranty holder.

To the extent permitted by law, the limited warranty stated above is the exclusive warranty given by ABI to the original purchaser, and ABI disclaims any other warranties. There are no other warranties, either express or implied, including any warranty of merchantability, fitness for a particular purpose, or arising from course of dealing or trade usage. ABI shall not be liable in any event for incidental or consequential or other special damages under any theory of strict liability or negligence, or expenses of any kind, including, but not limited to, personal injury, damage to property, cost of equipment rentals, loss of profit, loss of time, loss of wages, or cost of hiring services to perform tasks normally performed by this product. ABI reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to owners of units previously sold. Some jurisdictions do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from jurisdiction to jurisdiction.

Publish Date: 3/1/2021

Safety Precautions

CAUTION: Our machines are designed considering safety as the most important aspect and are the safest available in today's market. Unfortunately, human carelessness can override the safety features built into our machines. Injury prevention and work safety, aside from the features on our tools, are very much due to the responsible use of the equipment. It must always be operated prudently following with great care, the safety instructions laid out in this manual.

- Before operating equipment, read and understand the operator's manual.
- Thoroughly inspect the implement before initial operation to assure that all packaging materials, i.e., wires, bands, and tape have been removed.
- Personal protection equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustment, maintaining and/or repairing the implement.
- Operate the implement only with a tractor equipped with an approved Roll-Over-Protective-System (ROPS). Always wear your seat belt. Serious injury or even death could result from falling off the tractor.
- Operate the implement in the daylight or under good artificial light. Operator should always be able to clearly see where they are going.
- Ensure the implement is properly mounted, adjusted and in good operating condition.

Starting and Stopping

- Be sure that no one is near the machine prior to engaging or while the machine is working.
- Be sure the tractor is in neutral before starting the engine.
- After striking an obstacle, shut the tractor off, remove key and thoroughly inspect for damage before restarting.

Safety

WARNING! The ***SAFETY ALERT SYMBOL*** indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

CALIFORNIA PROPOSITION 65

WARNING! Cancer and reproductive harm- www.P65Warnings.ca.gov

SAFETY AT ALL TIMES

Careful operation is your best assurance against an accident. All operators, no matter how much experience they may have, should carefully read this manual and other related manuals, or have the manuals read to them, before operating the tow vehicle and this implement.

- Thoroughly read and understand the "Safety Label" section. Read all instructions noted on them.
- Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
- The operator should be familiar with all functions of the tow vehicle and attached implement and be able to handle emergencies quickly.
- Make sure all guards and shields appropriate for the operation are in place and secured before operating implement.
- Keep all bystanders away from equipment and work area.
- Start tow vehicle from the driver's seat with hydraulic controls in neutral.
- Operate tow vehicle and controls from the driver's seat only.
- Never dismount from a moving tow vehicle or leave tow vehicle unattended with engine running.
- Do not allow anyone to stand between tow vehicle and implement while backing up to implement.
- Keep hands, feet, and clothing away from power-driven parts.
- While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
- Do not turn tow vehicle so tight as to cause hitched implement to ride up on the tow vehicle's rear wheel.
- Store implement in an area where children normally do not play. When needed, secure attachment against falling with support blocks.

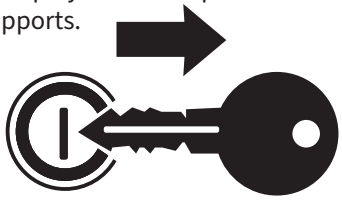
SAFETY PRECAUTIONS FOR CHILDREN

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to implements and their work.

- Never assume children will remain where you last saw them.
- Keep children out of the work area and under the watchful eye of a responsible adult.
- Be alert and shut the implement and tractor down if children enter the work area.
- Never carry children on the tractor or implement. There is not a safe place for them to ride. They may fall off and be run over or interfere with the control of the tow vehicle.
- Never allow children to operate the tow vehicle, even under adult supervision.
- Never allow children to play on the tow vehicle or implement.
- Use extra caution when backing up. Before the tractor starts to move, look down and behind to make sure the area is clear.

SHUTDOWN & STORAGE

- If engaged, disengage power take-off.
- Park on solid, level ground and lower implement to ground or onto support blocks.
- Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- Relieve all hydraulic pressure to auxiliary hydraulic lines
- Wait for all components to stop before leaving operator's seat.
- Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
- Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.



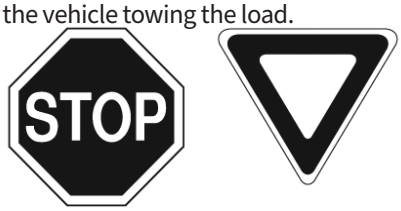
TIRE SAFETY

- Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator's Manual.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
- Securely support the implement when changing a wheel.
- When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
- Make sure wheel bolts have been tightened to the specified torque.
- Some attachments may have foam or sealant inside them and must be disposed of properly.

TRANSPORT SAFELY

- Comply with federal, state, and local laws.
- Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with tie downs and chains.
- Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down steep inclines with heavy end of a tow vehicle with loader attachment on the "uphill" side.

- Engage park brake when stopped on an incline.
- Maximum transport speed for an attached equipment is 20 mph. DO NOT EXCEED. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- As a guideline, use the following maximum speed weight ratios for attached equipment:
  - **20 mph** when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
  - **10 mph** when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.



PRACTICE SAFE MAINTENANCE

- Understand procedure before doing work. Refer to the Operator's Manual for additional information.
- Work on a level surface in a clean dry area that is well-lit.
- Lower implement to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- Do not work under any hydraulic supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.
- Use properly grounded electrical outlets and tools.
- Use correct tools and equipment for the job that are in good condition.
- Allow equipment to cool before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- Inspect all parts. Make certain parts are in good condition & installed properly.
- Replace parts on this implement with genuine ABI Attachments parts only.
- Do not alter this implement in a way which will adversely affect its performance.
- Do not grease or oil implement while it is in operation.
- Remove buildup of grease, oil, or debris.
- Always make sure any material and waste products from the repair and maintenance of the implement are properly collected and disposed
- Remove all tools and unused parts before operation.

PREPARE FOR EMERGENCIES

- Be prepared if a fire starts.
- Keep a first aid kit and fire extinguisher handy.
- Keep emergency numbers for doctor, ambulance, hospital,and fire department near phone.

USE SAFETY LIGHTS AND DEVICES

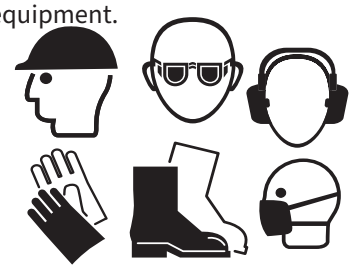
- Slow moving tractors, skid steers, self-propelled machines, and towed equipment can create a hazard when driven on public roads. They are difficult to see, especially at night. Use the Slow Moving Vehicle sign (SMV) when on public roads.
- Flashing warning lights and turn signals are recommended whenever driving on public roads.

AVOID UNDERGROUND UTILITIES

- **Dig Safe, Call 811 (USA).** Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- Be sure to ask how close you can work to the marks they positioned.

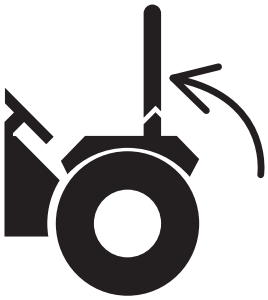
WEAR PERSONAL PROTECTION EQUIPMENT (PPE)

- Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and ear plugs.
- Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- Operating equipment safely requires the operator's full attention. Avoid wearing headphones while operating equipment.



USE SEAT BELT AND ROPS

- ABI Attachments recommends the use of a CAB or roll-over protective structures (ROPS) and seat belt in almost all tow vehicles. Combination of a CAB or ROPS and seat belt will reduce the risk of serious injury or death if the tow vehicle should be upset.
- If ROPS is in the locked-up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.



AVOID HIGH PRESSURE FLUIDS HAZARD

- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Before disconnecting hydraulic lines or performing work on the hydraulic system, be sure to release all residual pressure.
- Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
- Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- DO NOT DELAY. If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

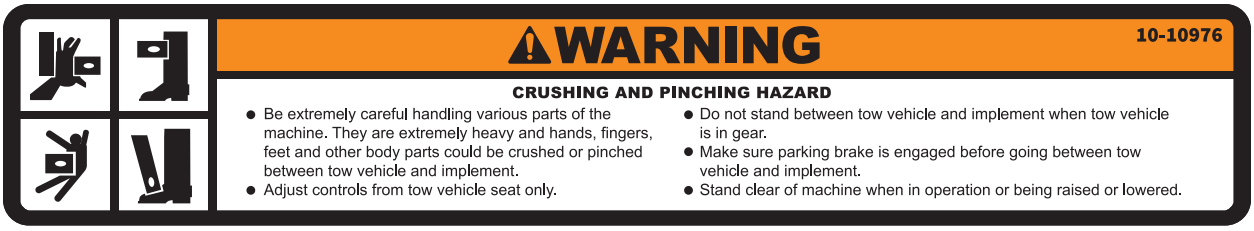
KEEP RIDERS OFF MACHINERY

- Never carry riders on tractor or implement.
- Riders obstruct operator's view and interfere with the control of the tow vehicle.
- Riders can be struck by objects or thrown from the equipment. Never use tractor or implement to lift or transport riders.

Operation Safety

- The use of this equipment is subject to certain hazards which cannot be prevented by mechanical means or product design. All operators of this equipment must read and understand this manual, paying particular attention to safety and operating instructions, prior to using.
- Do not operate the tractor/ATV/UTV and implement when you are tired, sick, or when using medication.
- Keep all helpers and bystanders at least 50 feet away from the machine. Only properly trained people should operate this machine.
- The majority of accidents involve operators being knocked off the tractor by low hanging limbs and then being run over by the implement. Accidents are most likely to occur with machines that are loaned or rented to someone who has not read the operator's manual and is not familiar with the implement.
- Always stop the tractor, set brake, shut off the tractor engine, remove the ignition key, lower implement to the ground, and allow rotating parts to come to a complete stop before dismounting tractor. Never leave equipment unattended with the tractor running.
- Never place hands or feet under implement with tractor engine running or before you are sure all motion has stopped. Stay clear of all moving parts.
- Do not reach or place yourself under equipment until it is blocked securely.
- Do not allow riders on the implement or tractor at any time. There is no safe place for riders.
- Never place hands or feet under implement with tractor/ATV/UTV engine running or before you are sure all motion has stopped. Stay clear of all moving parts.
- Before backing up, disengage the implement from the ground and look behind carefully.
- Keep hands, feet, hair, and clothing away from moving parts.
- Never operate tractor and implement under trees with low hanging limbs. Operators can be knocked off the tractor and then run over by implement.
- Stop implement immediately upon striking an obstruction. Turn engine off, remove key, inspect and repair any damage before resuming operation.
- Stay alert for holes, rocks, and roots in the terrain and other hidden hazards. Keep away from drop-offs.
- Use extreme care and maintain minimum ground speed when transporting over a hillside, over rough ground, and when operating close to ditches or fences. Be careful when turning sharp corners.
- Reduce speed on slopes and sharp turns to minimize tipping or loss of control. Be careful when changing directions on slopes.
- Inspect the entire machine periodically. Look for loose fasteners, worn or broken parts, and leaky or loose fittings.
- Pass diagonally through sharp dips and avoid sharp drops to prevent "hanging up" tractor and implement.
- Avoid sudden starts and stops while traveling up or downhill.
- Always use down slopes; never across the face. Avoid operation on steep slopes. Slow down on sharp turns and slopes to prevent tipping and/or loss of control.

Safety Labels



Uncrating & Initial Set-up

Initial Setup Instructions

Tools Needed:
- Gloves
- Safety Glasses
- Hammer
- crowbar
- Tin Snips

Removing From Shipping Crate

1. Disassemble shipping crate

2. Lift Tongue/Hitch assembly out of Classic Spreader. Remove Tongue/Hitch assembly and 2 Notched Plates (notched plates will only be included on the 50 and 65 classic spreaders) from protective wrapping. Set the 2 notched plates asside for now.

Initial Setup Instructions

Tools Needed:
- Gloves
- Safety Glasses
- 9/16"" wrench socket and socket wrench
- suggest using at least a 3" long socket extension

Assembling Tongue/Hitch to chassis

1. Slide “V” shaped tongue frame under the chassis far enough to lift the tongue frame up into the “V” shaped welded “C” channels on the chassis then push the tongue frame toward the front of the chassis until the 4 bolt holes (2 on each side) in the tongue frame line up with the 4 bolt holes (2 on each side) in the chassis “C” channels. Insert supplied carriage bolts into the 4 holes from the outside of frame (see **Figure 1**).

2. On inside of frame, slide supplied split washer onto bolts then thread on supplied nuts and tighten using 9/16" socket (use socket extension if need be).

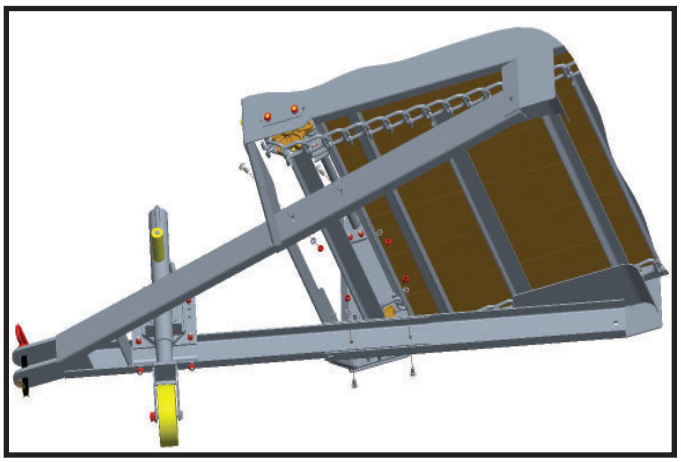
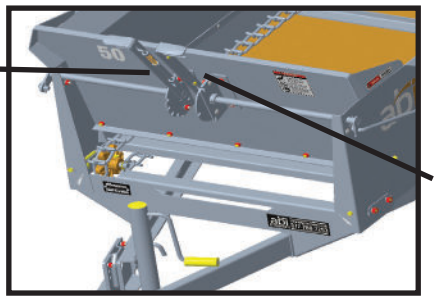


Figure 1.



Assembling Notched Plates to Levers

1. If a 25 cu ft was purchased, skip notes 3 & 4. This model has the notches already in the lever mounting brackets. If a 50 cu ft or 65 cu ft was purchased, follow the steps below to install the 2 Notch Plates to the web chain (conveyor) lever and the beater lever.

2. **The terms "left" and "right" designate the side of the spreader from the view point of sitting in the tractor seat facing foward.**

3. The notched plate that mounts to the Web Chain (conveyor) Drive Lever (right side) has 5 notches. The deepest notch on the plate should be to the top of the plate when mounted to the unit. The plate slides in between the handle and mounting bracket (as shown in **Figure 2**). Line up square holes in plate with square holes in mounting bracket (as shown in **Figure 3**). Use (2) 3/8-16 x 1" long carriage bolts along with 3/8" split washers and 3/8-16 nuts (hardware supplied). Tighten using a 9/16" socket.

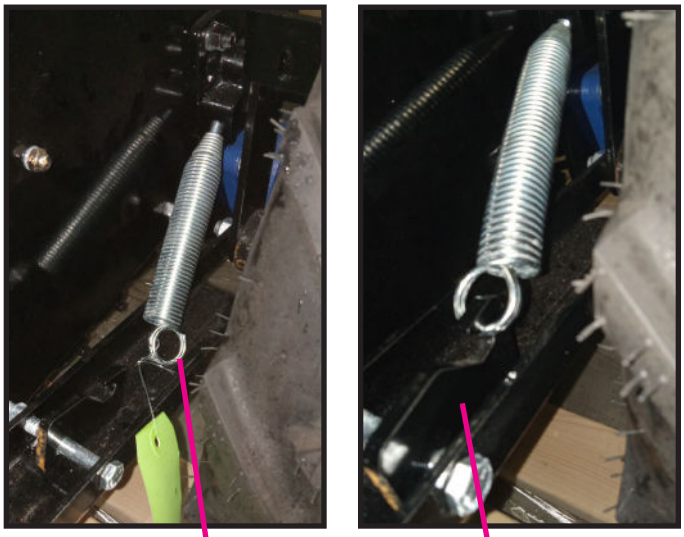
4. The notched plate that mounts to the Beater Drive Lever (left side) has 2 notches. The plate slides in between the handle and mounting bracket (as shown in **Figure 4**). Line up square holes in plate with square holes in mounting bracket (as shown in **Figure 5**). Use (2) 3/8-16 x 1" long carriage bolts along with 3/8" split washers and 3/8-16 nuts (hardware supplied). Tighten using a 9/16" socket.

Attaching Web Extension Spring

1. The Web Extension Spring, behind the right wheel, is detached to prevent the Tongue/Hitch assembly from potentially jamming into the Widespread assembly during shipping.

2. Remove tag and wire from Web Extension Spring.

3. Grab Web Extension Spring and pull spring toward Spring Bracket. Slide looped portion of spring onto hook portion on Spring Bracket as shown.



WEB EXTENSION SPRING

SPRING BRACKET

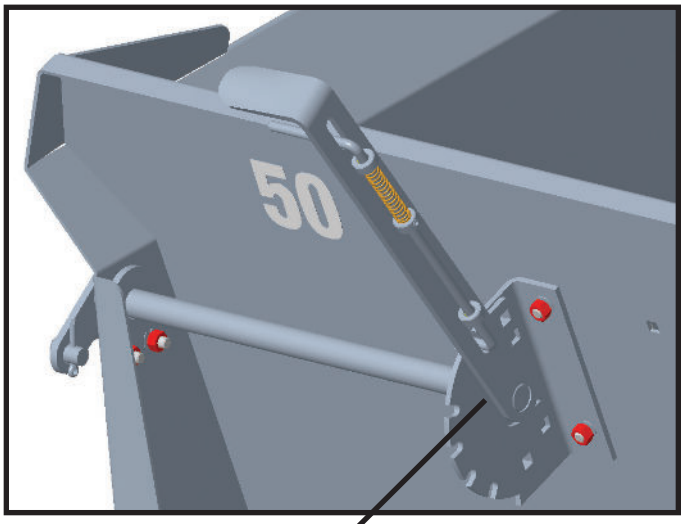


Figure 2. SLIDE NOTCHED PLATE (PLATE WITH 5 NOTCHES) BETWEEN MOUNTING BRACKET AND LEVER.

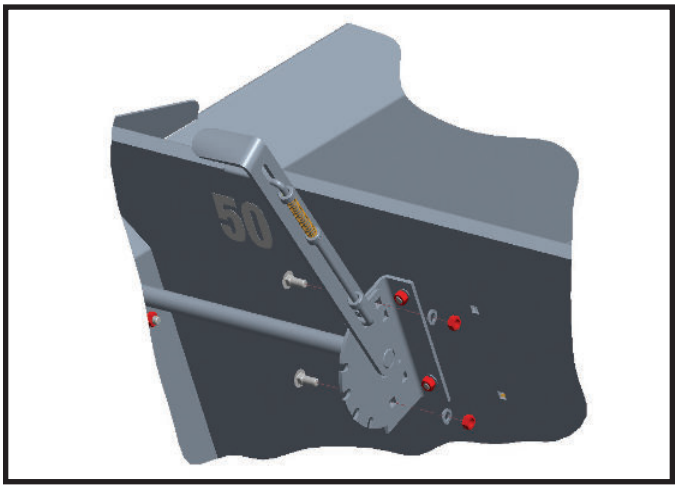


Figure 3.

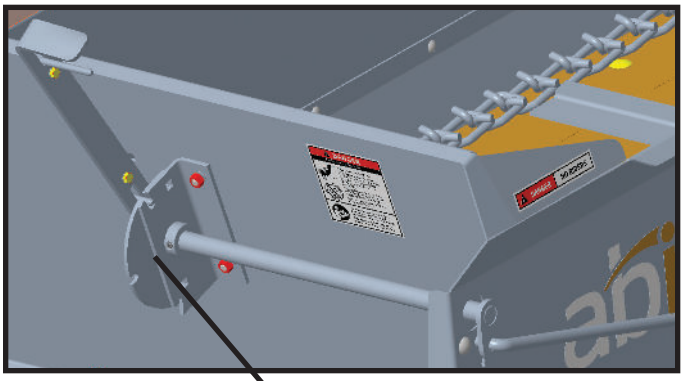


Figure 4. SLIDE NOTCHED PLATE (PLATE WITH 2 NOTCHES) BETWEEN MOUNTING BRACKET AND LEVER.

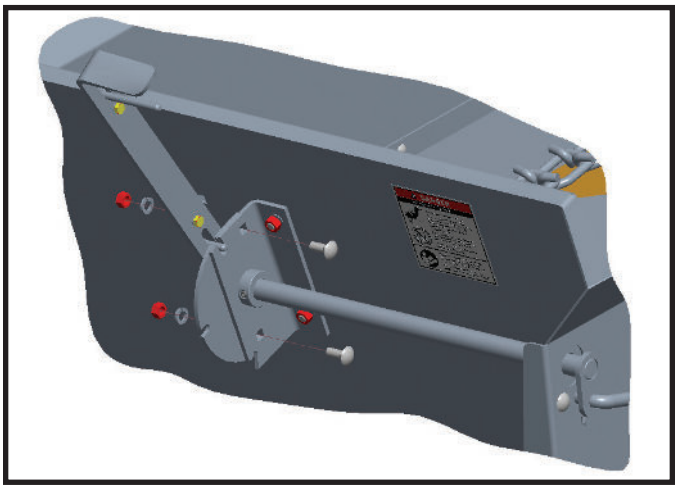


Figure 5.

Operation Guide

Hitch Operation

Do NOT pin the hitch to a drawbar that is attached to a 3pt hitch, this may cause the classic spreader to jack knife when backing up and damage the unit.
Recommend using a straight drawbar mounted directly to the tractor (see **Figure 6**).

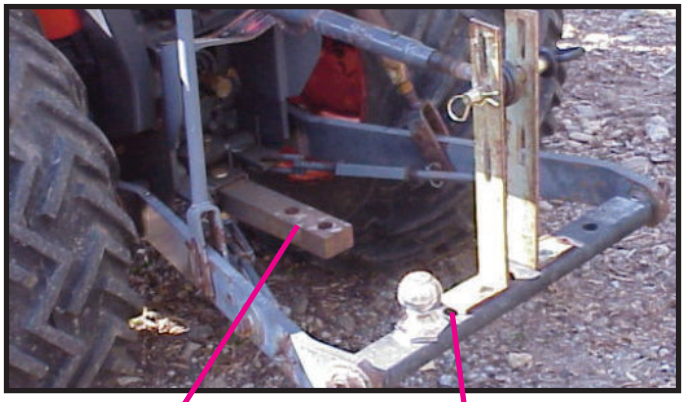


Figure 6.

HITCH SPREADER TO DRAWBAR MOUNTED DIRECTLY TO TRACTOR.

DO NOT HITCH SPREADER TO A DRAWBAR THAT IS ATTACHED TO A 3PT HITCH.

Wheel Jack Operation

When Spreader is not attached to tow vehicle, wheel jack can be in vertical position to help manuver the spreader (see **Figure 7**). Use the wheel jack to raise or lower the spreader for easy connection to the tow vehicle.

Figure 7.

When Spreader is attached to tow vehicle, wheel jack must be in horizontal position to avoid damage to wheel jack. To pivot the jack, pull spring pin out of pin hole and rotate jack. Be sure spring pin snaps back into hole pin after rotating jack (see **Figure 8**).

Figure 8.

SPRING PIN

NEVER DISCONNECT THE SPREADER FROM THE TOW VEHICLE WITHOUT SECURING THE JACK IN THE VERTICAL POSITION.

- The spreader is designed to be used with a pin hitch draw bar that is 10”-12” above the ground.

Loading the Spreader

- When loading the spreader, load the spreader bed from front to rear leaving a small gap in between the end of the manure pile and the beaters and paddles to allow them to start rotating before the manure feeds into them.

Running the Spreader

Engaging the web or Conveyor speed:
When facing the spreader from the front, the left lever controls the speed of the web drive. This lever allows how fast the manure will empty and how heavy it is applied. The upper notch is the neutral position and each notch the lever is dropped down to speeds up the flow rate. Squeeze the spring actuated rod attached to the lever to manuver the lever up and down. Do not engage the web chain when the spreader is in motion.
If the lever is in the slowest setting and increase the ground drive speed of the tow vehicle, this will speed up the beater blades while the manure stays in the beater longer to give a better breakdown of the manure. If a really fine manure breakdown is desired, ABI suggests purchasing the optional litter/fines pan for best results. The litter/fines pan arches up at the back of the spreader smashing the manure even finer between the paddles and the pan.

Engaging the Beater:
When facing the spreader from the front, the right lever allows the beater chain to engage or disengage. The top notch will disengage the chain that drives the beaters. The lower notch will allow the chain to engage into the drive mechanism and start the beaters rotating when the manure spreader is being pulled. Squeeze the spring actuated rod attached to the lever to manuver the lever up and down. Do not engage the beaters when the spreader is in motion.

Troubleshooting & FAQs

- **Wet manure not properly shredded or spreading.**

  Answer: Slow the Web Chain (conveyor) if wet manure is bridging or building up.

- **My wheels "click" when the spreader is going backwards or when the lever is in neutral.**

  The "click" sound is caused by the pawls inside the wheel hub assembly being allowed to freely ratchet around the wheel hubs when moving in reverse to avoid damage to the spreader or when moving forward with the levers in the nuetral position so the axle does not engage the web chain and spread manure in unwanted areas.

- **My wheels are both locked up on my spreader.**

  Answer: First be sure you turned on the beater bars and wide spread on, if not the manure will get packed against the beater bars and stop the unit and you may have to hand shovel enough manure out of the beater bar area for them to turn. Second, if you have a litter pan on the unit it may need cleaned. Build up between the litter pan and the wide spread paddles can cause them to lock up stopping the chains and then the axles from turning.

- **The manure is not getting cut up enough.**

  Answer: Slow down the web speed to the first or second notch and slightly increase the speed of the tow vehicle. This will cause the web to move slower and the cutting blades to move faster keeping the manure in the beaters or cutters longer to break it up better.

- **Web chain is not moving or if it is and the manure isn't shredding.**

  Answer: If you load the manure and let it set for a few days during cold temperatures, the manure may freeze the web chain to the bed of the spreader preventing the web chain from moving. It is suggested during the winter to load the manure and spread it right away. Also, during cold temperatures before loading, use a shovel and lift the web chain in the bed area to verify it's not frozen to the bed, then while still empty engage the web chain and run it slowly to verify it works before loading.

- **There is a high pitch squealing sound when in use.**

  Answer: This is a sign that one or more of the bearings has not been being greased or not greased enough. Grease all the bearings well and see if the noise goes away. If not consult customer service at ABI.

- **The web chain is not tracking perpendicular to the floor boards**

  Answer: This is a sign that one webchain has "jumped" a web gear most likely due to the chain stretching over time. Lift the web chain that has the most droop under the spreader floor boards up over the front and rear chain gears until the web bars are perpendicular to the floor boards then adjust the web chain(s) as mentioned on page 16 under "**Tightening the web chain (conveyor)**".

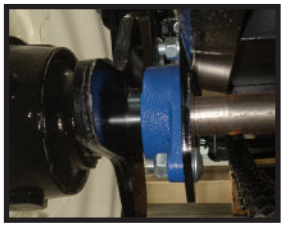
Maintenance

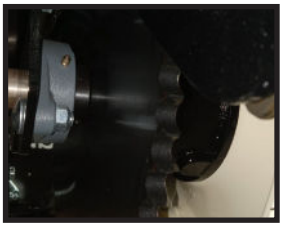
General Maintenance

Greasing the Bearings

EACH AREA WHERE THE ARROWS POINT INDICATES WHERE A GREASE POINT IS LOCATED. STICKERS ON THE SPREADER BODY FURTHER INDICATE WHERE GREASE/LUBRICATION POINTS ARE LOCATED.

- The spreader should be greased using a grease gun every 25-30 loads and before storage. Make sure to grease all available grease areas before any period of storage.
- When greasing the hubs on the spreader, use caution to not over grease the hubs. Each hub requires 2-3 full pumps of grease from a manual grease gun every 30-35 loads. Hubs may need to be cleaned out once a year to remove old grease build up. All other grease ports should be greased until the grease oozes out of the bearing to help flush out debris.
- Only grease each axle bearing 1/2 pump once per year.





- Rinse out the bed and Paddles of the ABI Classic Spreader after every use. This will help to ensure longevity of your spreader. It is important to avoid putting excess soil or stones into the spreader. The ABI Classic Spreader was not designed to spread soil or stone. Getting stones caught in the bed will damage the spreader and is not covered under warranty.
- Wash the spreader with a power washer periodically and paint any scratches with a semi-gloss black paint to prevent rust.
- Clean off the pawls on the sprockets located on the right side of the spreader after 30-50 loads. Grease from the hubs gather on the pawls and may damage them if not cleaned off periodically.
- Clean chains after every use and oil chains after every 25-30 loads or before periods of storage to prevent any rust. Use SAE 30 or higher rated oil to oil the chains. Use a cloth with oil on it to oil the web chain and drive chains. It is not recommended to pour oil directly in the bed when oiling the web chain.
- Check all nuts and bolts after every 25-30 loads to make they are still tight. Any bolts and nuts found loose, properly tighten before next use.
- Torque the Lug nuts on your wheels to 100 Ft/LBS. Recheck after the 1st use then check and re-torque if necessary semi-anually.
- Tire pressure should be 40 psi. on the 25 cu/ft and 50 cu/ft.
- Tire pressure should be 60 psi. on the 65 cu/ft.

Adjustments due to wear over time

Tightening the Web chain (conveyor)

There are 2 bolts and 1 adjusting screw on both front lower corners of the spreader to adjust the web chain tension (see **Figure 9**). Loosen the 2 bolts on both sides of the spreader using a 11/16" wrench (or socket). Use a 9/16" wrench (or socket) to adjust both adjusting screws on the front face of the chassis to the desired tension then retighten all four bolts. Both web chains must be adjusted equally. There should be no more than 3"- 3 1/2" of lift in both chains in the middle of the bed. Web chain links can be added or removed if necessary due to chain stretching or wear over time. This should be checked every 3 months.

Figure 9.

ADJUSTING SCREW

BOLTS TO SECURE FRONT WEB CHAIN GEAR AFTER ADJUSTING TENSION

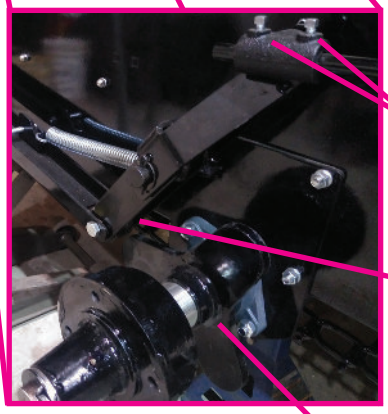
CHECK FOR PROPER CHAIN SLACK WITH 2X4 IN THE MIDDLE OF THE BED

Web Chain Lever Rod adjustment

The operating lever is attached to a rod that runs to the rear of the spreader to engage the web drive (see **Figure 10**). The rod may need adjusting as it can develop play over time. For the web drive adjustment, the collar on the rod should be adjusted so there is a ¼" gap between the star wheel and roller cam (see **Figure 12**). Before removing the tire to readjust the rod play, put a wheel block by jack wheel and by tire opposite the side to be jacked up. **Use safety jacks** after jacking up the speader so the spreader is safely stable. The star wheel can be turned cloclwise by hand to line up one of the star wheel lobes next to the roller cam inorder to measure the gap between them. To readjust the rod, move the lever to the disengaged/neutral position (highest position in the notched plate). Loosen the 2 bolts on the coupler using a 5/16" wrench (see **Figure 11**) while holding the rod in place and adjust to remove the play in the rod until there is a 1/4" gap between the star wheel and roller cam. Retighten the 2 bolts on the coupler when finished and remount the tire before removing the safety jacks and wheel blocks. Tire lug bolts should be torqued to 100 ft lbs.

Figure 10.

WEB DRIVE ROD



2 BOLTS ON ROD COLLAR

ROLLER CAM

Figure 11.

STAR WHEEL

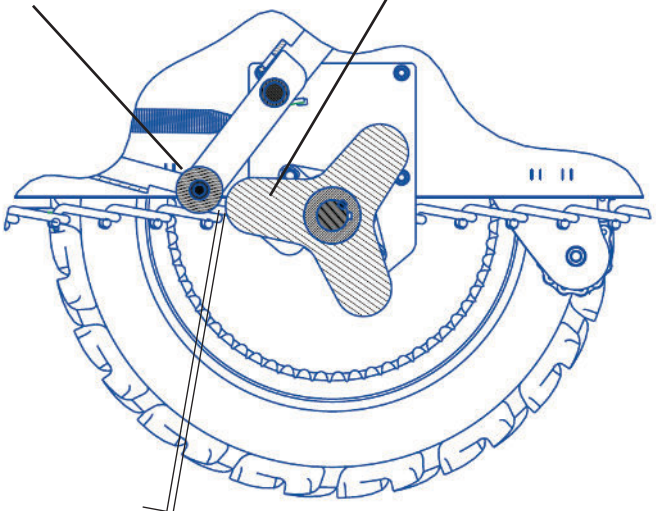


Figure 12.

Beater Lever Rod adjustment

The operating lever is attached to a rod that runs to the rear of the spreader to engage the beater bar mechanism (see **Figure 13)**. The rod may need adjusting as it can develop play over time. When the lever is in the disengaged/neutral position (highest position in the notched plate), the chain that drives the beater rod mechanism should be slightly clearing the large sprocket (see **Figure 14**). If the chain is too far from or touching the sprocket, it needs to be adjusted. Before removing the tire to readjust the rod play, put a wheel block by jack wheel and by tire opposite the side to be jacked up. **Use safety jacks** after jacking up the speader so the spreader is safely stable. Remove chain guard. To readjust the rod, loosen the 2 bolts on the coupler using a 5/16" wrench (see **Figure 14**) while holding the rod in place and adjust to remove the play in the rod until the chain is slightly clearing the sprocket. Retighten the bolts when finished and remount the tire before removing the safety jacks and wheel blocks. Tire lug bolts should be torqued to 100 ft lbs. Reattach the chain guard.

Figure 13.

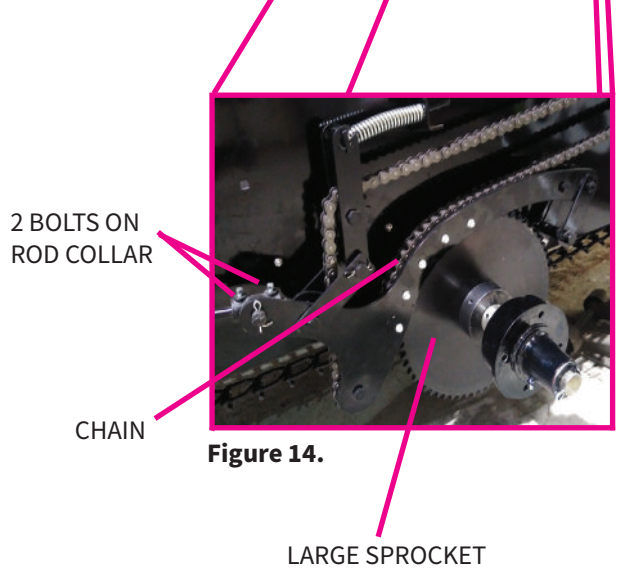


Figure 14.

Beater Bar Chain tightening

Over time, the chain that controls the beater bars may get some slack in it and require adjustment (see **Figure 15**). To remove this slack, loosen the two bolts located on the rear sprocket and the 2 bolts mounting the sprocket holder on both sides of the spreader (see **Figure 16**). Once the bolts have been loosened, have a helper gently pull the whole wide spread beater bar back until most of the slack is taken out of the chain (see **Figure 17**). Be sure the beater bar is not sitting at an angle after adjustment. Make sure both ends have been adjusted out at the same distance to prevent the beater bar from sitting at angle, as this may cause damage to the spreader.

Once the slack is taken out, retighten the all the bolts. Over tightening the chain may cause damage to chain, sprockets, or other parts of the spreader. A small amount of slack in the chain is acceptable. Reattach chain guard after adjusting is complete and before using spreader.

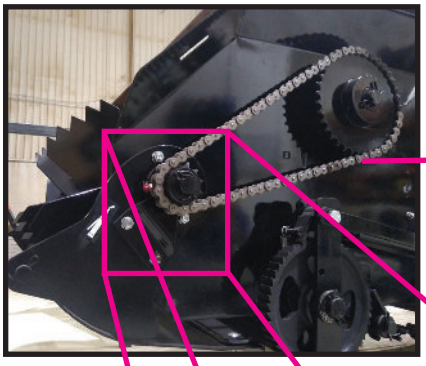


Figure 15.

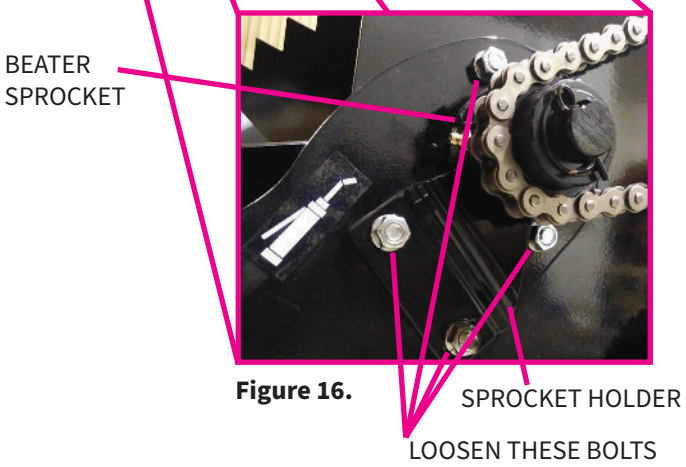


Figure 16.

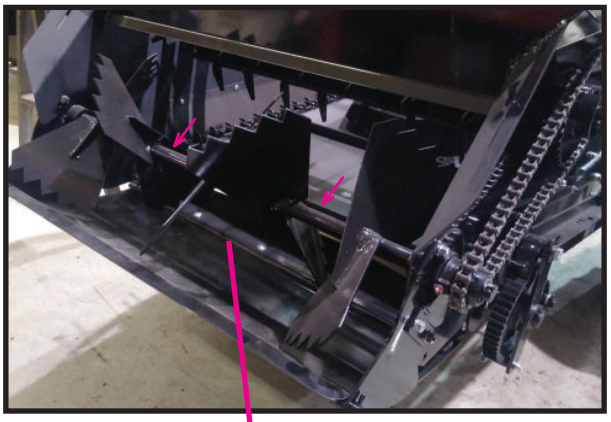


Figure 17.

PULL BACK ON WIDE SPREAD BEATER BAR AFTER BOLTS ARE LOOSENED

CHAIN ADJUSTMENT

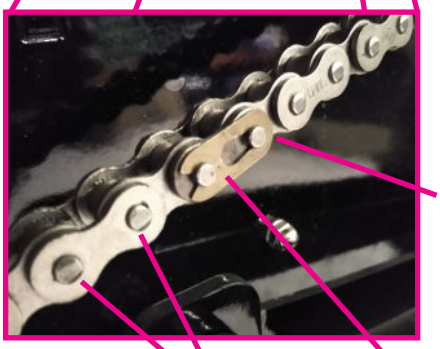
If over time, either spreader chain stretches enough that any mechanical adjustsments do not provide enough tension, then a chain link will need to be removed from the loose chain. Look for the master chain link on the chain (see **Figure 18 and 19**). To remove this link, remove the outer Retaining clip using a screwdriver butted up against the open end of the clip and lightly tap on it with a hammer until it starts to come off (this is a spring clip and if it's hit too hard with the hammer, it may go flying off somewhere). Once the clip is part way loose, use some needle nose pliers and pull it the rest of the way off. After the Retainer clip is off, remove the Keeper plate then pull out the master link (see **Figure 20**).

Once the chain is un-linked, grind the tips off the next link (see **Figure 19**) and remove that link. Reinsert the master link, Keeper plate and Retaining clip.

Mechanical adjustsments may be needed to the spreader to reinstall the chain if adjustments were made over time as the chain started to stretch. See pages 13 & 14 if readjustments are required.

CHAIN ROTATION DIRECTION

Figure 18.



ORIENTATION OF RETAINER CLIP WITH RESPECT TO CHAIN ROTATION

Figure 19.

MASTER CHAIN LINK

GRIND TIPS TO REMOVE LINK NEXT TO MASTER LINK

MASTER CHAIN LINK

RETAINER CLIP

KEEPER PLATE

Figure 20.

Specifications

Unit Dimensions

Classic Spreader	25ft3	50ft3	65ft3
Total Length:	110" (9' 2")	132" (11')	151" (12' 7")
Total Width:	48" (4')	54" (4'6")	58" (4' 10")
Total Height:	43" (3' 7")	43" (3' 7")	54" (4' 6")
Box Length:	60" (5')	76" (6' 4")	84" (7')
Box Width:	28" (2' 4")	35" (2' 11")	35" (2' 11")
Box Height:	16" (1' 4")	19" (1' 7")	19" (1' 7")
Box Flared Width:	33" (2' 9")	40" (3' 4")	40" (3' 4")
Loading Height:	33" (2' 9")	34" (2' 10")	36" (3')

Capacity

Classic Spreader	25ft3	50ft3	65ft3
Heaped Capacity	25 cu ft	50 cu ft	65 cu ft
Struck Capacity	15 cu ft	29 cu ft	39 cu ft
# of Horses	Up To 4	Up To 8	Up To 11

Specifications (cont'd)

Features

Classic Spreader	25ft3	50ft3	65ft3
Platform	Compact	Compact	Compact
PTO Driven:	No	No	No
Steel Type:	COR-TEN	COR-TEN	COR-TEN
Steel of Gauge:	12	12	12
# of Beaters:	2	2	2
# of Spreading Paddles:	8	10	10
# of Shredding Blades:	32	32	32
Flow Control Speeds:	4	4	4
Speed Adjustment:	Lever	Lever	Lever
End Gate (optional):	Yes	Yes	Yes
Litter/Fine Pan (optional):	Yes	Yes	Yes
Bed Liner:	Yes	Yes	Yes
Poly Lumber Floor:	Yes	Yes	Yes
Jack Stand:	Dolly Wheel	Dolly Wheel	Dolly Wheel
Tires	Ag Traction	Ag Traction	Ag Traction
Ratcheting Hubs:	Yes	Yes	Yes

Min, Vehicle Requirements

Classic Spreader	25ft3	50ft3	65ft3
Tractor Type:	Mower	Sub & Compact	Sub & Compact
Min. Horsepower:	18 hp	22 hp	25 hp
Utility Vehicle Type:	ATV, UTV	ATV, UTV	Large ATV, UTV
Min. CC:	350cc	550cc	600cc (4WD)

Weights

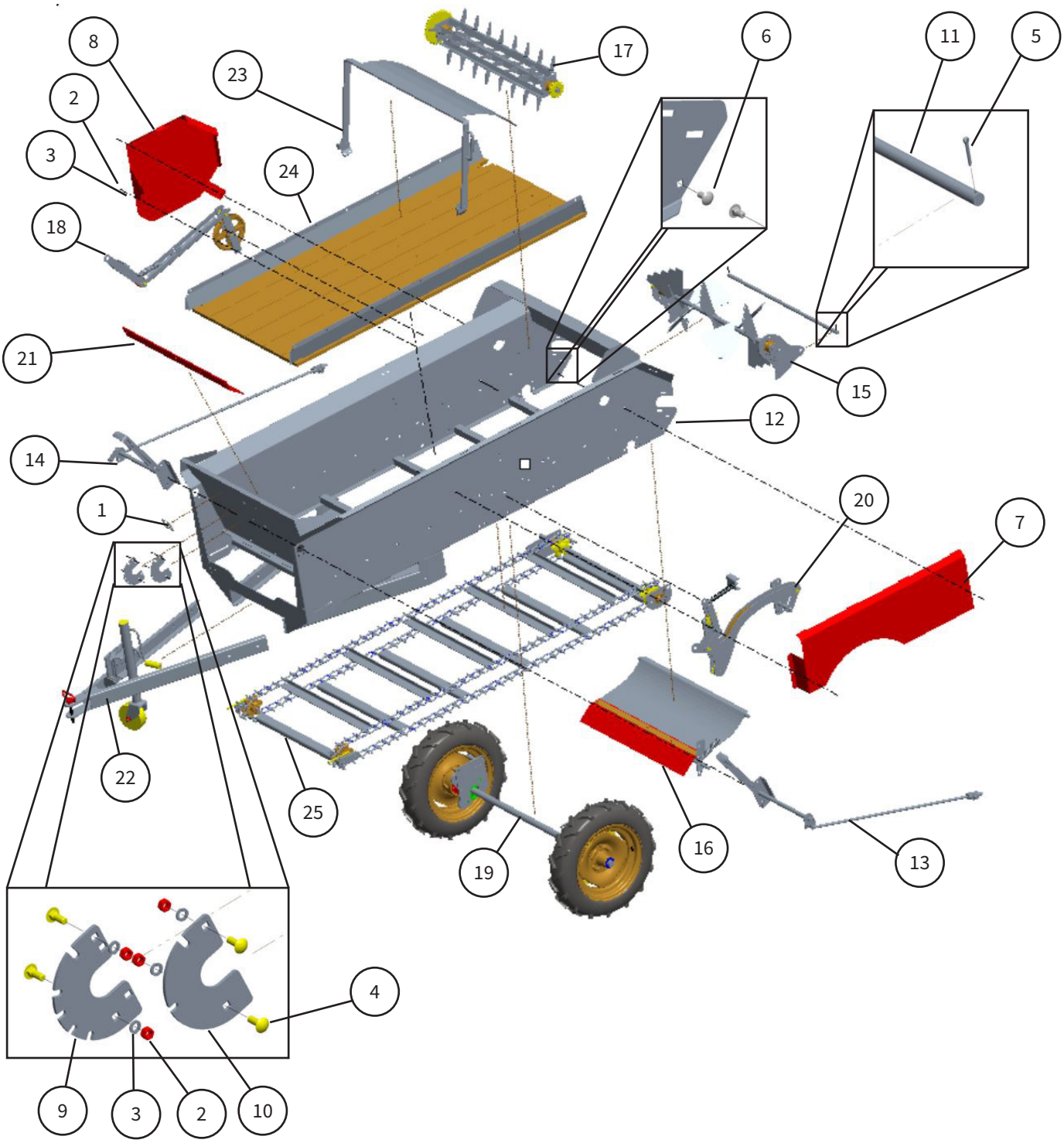
Classic Spreader	25ft3	50ft3	65ft3
Unit Weight:	680 lbs	825 lbs	947 lbs
Shipping Weight:	854 lbs	1,001 lbs	1,225 lbs

Replacement Parts

All of the Classic Spreader components are considered wear parts and will need to be replaced as they wear out from use. To reorder, please contact the ABI Support department at 877-788-7253.

Parts Description

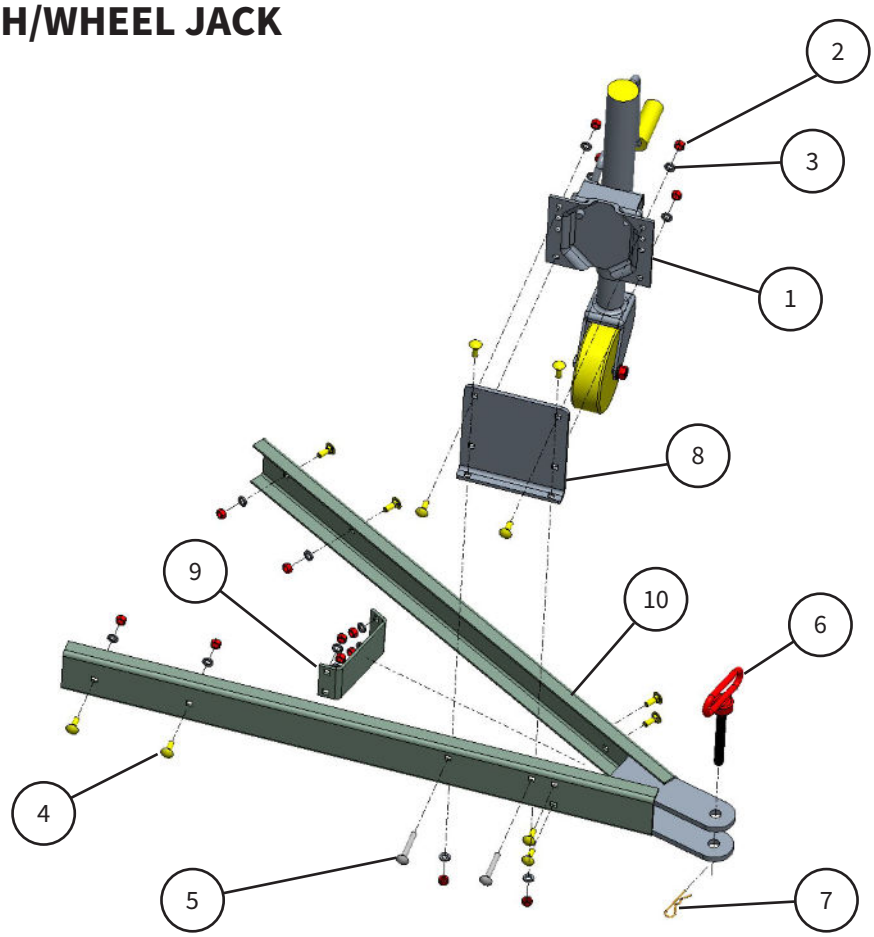
CLASSIC SPREADER GROUND DRIVE



ITEM	PART #	DESCRIPTION
1	10-11010	LBL: NUMERAL 25
1	10-10985	LBL: NUMERAL 50
1	10-11019	LBL: NUMERAL 65
2	10-20130	3/8" HEX NUT
3	10-20133	3/8" LOCK WASHER
4	10-20379	3/8 x 1" CARRIAGE BOLT
5	10-20424	3/16 X 1-1/4 COTTER PIN
6	10-20475	3/8 X 3/4" CARRIAGE BOLT
7	10-32022	MAIN CHAIN SHIELD (#25)
7	10-31905	MAIN CHAIN SHIELD (#50)
7	10-32072	MAIN CHAIN SHIELD (#65)
8	10-32023	WEB DRIVE SHIELD (#25)
8	10-31906	WEB DRIVE SHIELD (#50/#65)
9	N/A	WEB NOTCH PLATE (#25)
9	10-31941	WEB NOTCH PLATE (#50/#65)
10	N/A	CHAIN NOTCH PLATE (#25)
10	10-31942	CHAIN NOTCH PLATE (#50/#65)
11	10-32061	REAR GUARD (#25)
11	10-32350	REAR GUARD (#50/65)
12	10-40590	WLDMT: CHASSIS, 25
12	10-40578	WLDMT: CHASSIS, 50
12	10-40593	WLDMT: CHASSIS, 65
13	10-90480	ASM: CHAIN DRIVE CONTROL LEVER (#25)
13	10-90461	ASM: CHAIN DRIVE CONTROL LEVER (#50)
13	10-90494	ASM: CHAIN DRIVE CONTROL LEVER (#65)
14	10-90481	ASM: WEB DRIVE CONTROL LEVER (#25)
14	10-90462	ASM: WEB DRIVE CONTROL LEVER (#50)

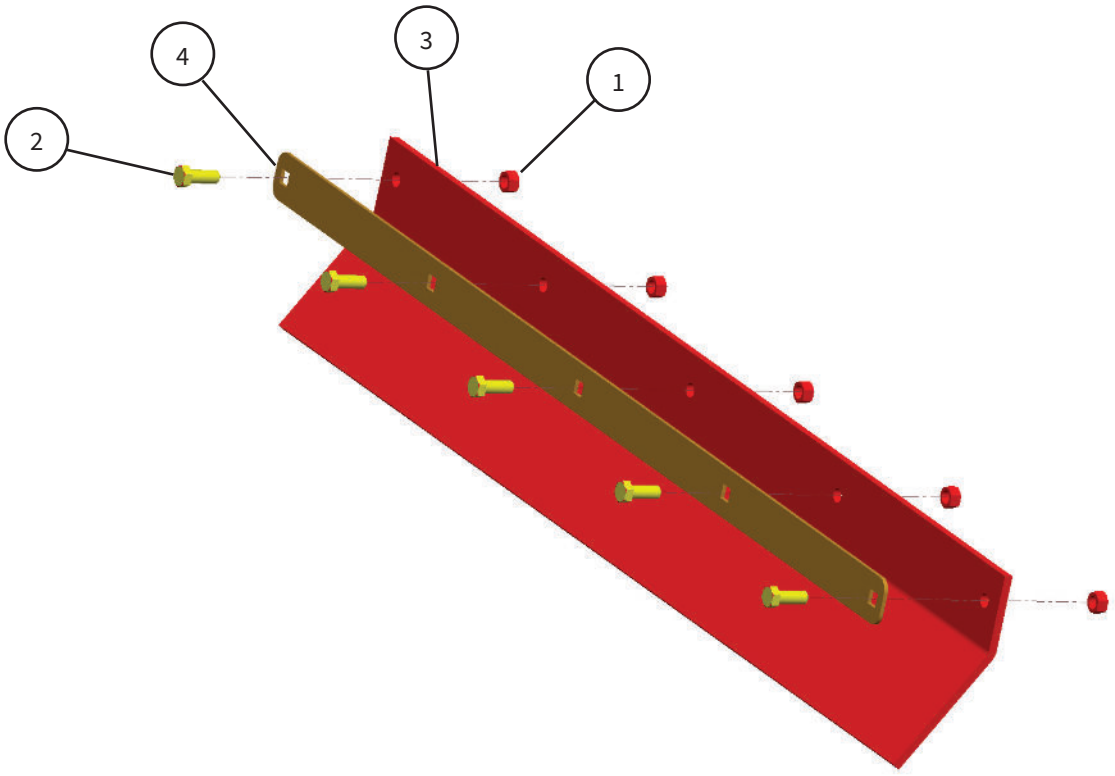
ITEM	PART #	DESCRIPTION
14	10-90495	ASM: WEB DRIVE CONTROL LEVER (#65)
15	10-90482	ASM: WIDESPREAD (#25)
15	10-90464	ASM: WIDESPREAD (#50/#65)
16	10-90483	ASM: LITTER/FINE PAN (#25) (OPTIONAL)
16	10-90465	ASM: LITTER/FINE PAN (#50/#65) (OPTIONAL)
17	10-90484	ASM: BEATER (#25)
17	10-90466	ASM: BEATER (#50/#65)
18	10-90486	ASM: WEB DRIVE (#25)
18	10-90468	ASM: WEB DRIVE (#50)
18	10-90497	ASM: WEB DRIVE (#65)
19	10-90487	ASM: WHEEL AND AXLE (#25)
19	10-90469	ASM: WHEEL AND AXLE (#50)
19	10-90498	ASM: WHEEL AND AXLE (#65)
20	10-90513	ASM: CHAIN LIFT ARM (#25)
20	10-90472	ASM: CHAIN LIFT ARM (#50)
20	10-90514	ASM: CHAIN LIFT ARM (#65)
21	10-90488	ASM: FRONT RUBBER FLAP (25)
21	10-90473	ASM: FRONT RUBBER FLAP (#50/#65)
22	10-90507	ASM: HITCH/WHEEL JACK (#25)
22	10-90479	ASM: HITCH/WHEEL JACK (#50/#65)
23	10-90508	ASM: TAILGATE (#25) (OPTIONAL)
23	10-90499	ASM: TAILGATE (#50/#65) (OPTIONAL)
24	10-90509	ASM: FLOOR BOARDS AND SIDE RAILS (#25)
24	10-90500	ASM: FLOOR BOARDS AND SIDE RAILS (#50)
24	10-90511	ASM: FLOOR BOARDS AND SIDE RAILS (#65)
25	10-90510	ASM: WEB CHAIN AND GEARS (#25)
25	10-90501	ASM: WEB CHAIN AND GEARS (#50)

ASM: HITCH/WHEEL JACK



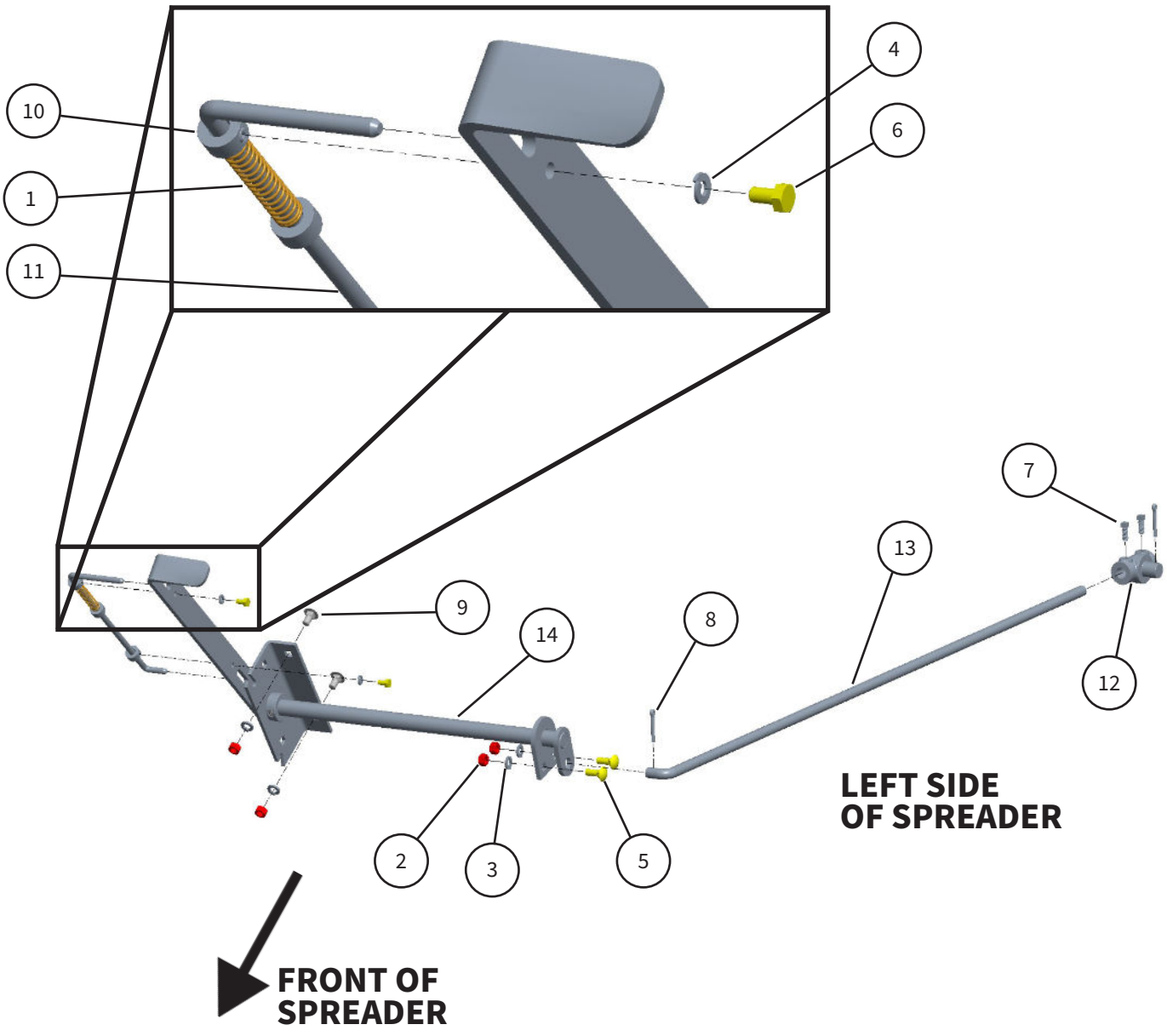
ITEM	PART #	DESCRIPTION
1	10-11009	RAM SIDE MOUNT SWIVEL WHEEL JACK 1200 LBS
2	10-20130	3/8-16 HEX NUT
3	10-20133	3/8" LOCK WASHER
4	10-20379	CARRIAGE BOLT 3/8-16 X 1": ZINC GR 5
5	10-20483	CARRIAGE BOLT 3/8-16 X 2-1/4": ZINC GR 5
6	10-20485	T HANDLE HITCH PIN
7	10-20486	HITCH PIN SAFETY CLIP 1/8" X 2-5/8"
8	10-31940	WHEEL JACK MOUNT PLATE
9	10-31958	A-FRAME SUPPORT PLATE (#50/65)
10	10-40589	WLDMT: BOLT ON HITCH (#25)
10	10-40577	WLDMT: BOLT ON HITCH (#50/#65)

ASM: FRONT RUBBER



ITEM	PART #	DESCRIPTION
1	10-20130	3/8-16 HEX NUT
2	10-20279	3/8-16 X 1" HEX BOLT
3	10-32035	FRONT RUBBER FLAP (#25)
3	10-31935	FRONT RUBBER FLAP (#50/#65)
4	10-32036	RUBBER FLAP PLATE (#25)
4	10-31936	RUBBER FLAP PLATE (#50/#65)

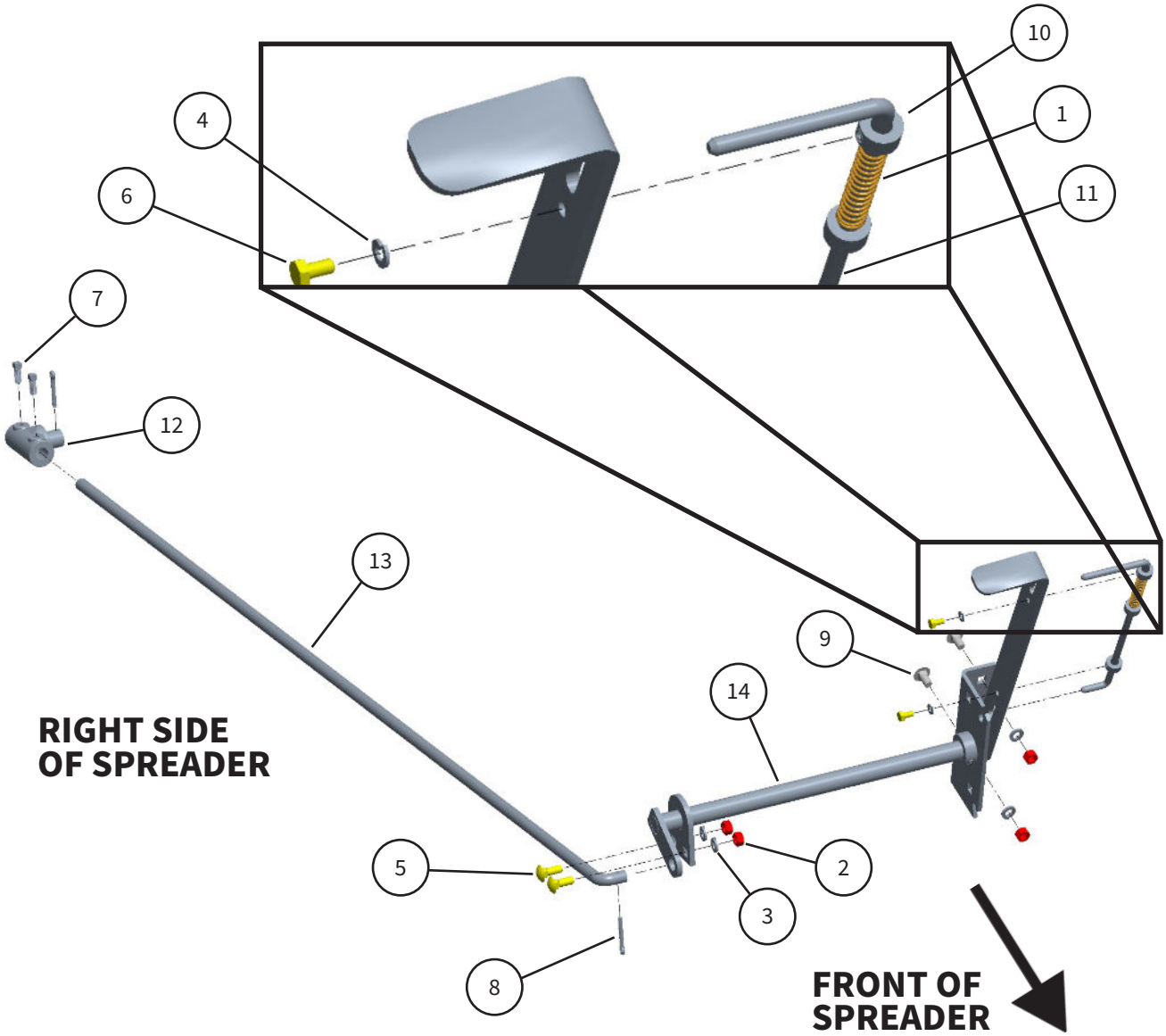
ASM: CHAIN DRIVE CONTROL LEVER



ASM: CHAIN DRIVE CONTROL LEVER (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10955	25/50/65 LEVER HANDLE SPRING
2	10-20130	3/8" HEX NUT
3	10-20133	3/8" LOCK WASHER
4	10-20277	1/4" LOCK WASHER
5	10-20379	3/8" X 1" CARRIAGE BOLT
6	10-20420	1/4 X 1/2" HEX BOLT
7	10-20423	5/16 X 3/4" SQUARE HEAD SET SCREW
8	10-20424	3/16 X 1-1/4" COTTER PIN
9	10-20475	3/8" X 3/4" CARRIAGE BOLT
10	10-20547	3/8" SHAFT COLLAR
11	10-31909	LEVER HANDLE ROD
12	10-31916	DOUBLE SET TEE COLLAR
13	10-32030	9/16 X 37" #25 LEVER ROD, BEATER DRIVE
13	10-31917	9/16 X 42" #50 LEVER ROD, BEATER DRIVE
13	10-32064	9/16 X 56" #65 LEVER ROD, BEATER DRIVE
14	10-40583	#25 CHAIN LEVER ASSEMBLY
14	10-40554	#50/65 CHAIN LEVER ASSEMBLY

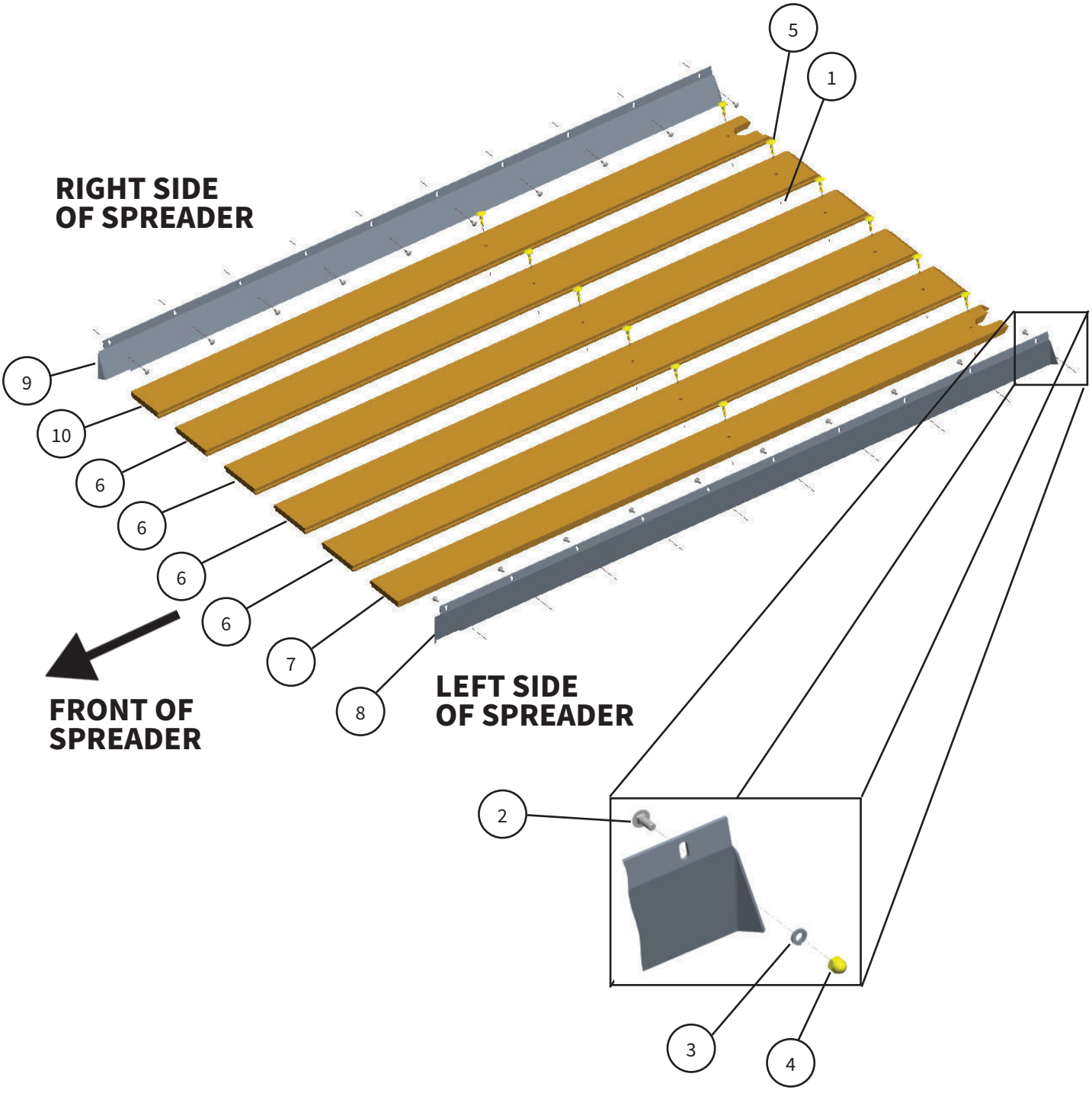
ASM: WEB DRIVE CONTROL LEVER



ASM: WEB DRIVE CONTROL LEVER (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10955	25/50/65 LEVER HANDLE SPRING
2	10-20130	3/8-16 HEX NUT
3	10-20133	3/8" LOCK WASHER
4	10-20277	1/4" LOCK WASHER
5	10-20379	3/8-16 X 1" CARRIAGE BOLT
6	10-20420	1/4-20 X 1/2" HEX BOLT
7	10-20423	5/16-18 X 3/4" SQUARE HEAD SET SCREW
8	10-20424	3/16" X 1-1/4" COTTER PIN
9	10-20475	3/8-16 X 3/4" CARRIAGE BOLT
10	10-20547	3/8" SHAFT COLLAR
11	10-31909	LEVER HANDLE ROD
12	10-31916	DOUBLE SET TEE COLLAR
13	10-32032	9/16 X 37" #25 LEVER ROD, WEB DRIVE
13	10-31920	9/16 X 42" #50 LEVER ROD, WEB DRIVE
13	10-32065	9/16 X 56" #65 LEVER ROD, WEB DRIVE
14	10-40584	#25 WEB LEVER ASSEMBLY
14	10-40556	#50/65 WEB LEVER ASSEMBLY

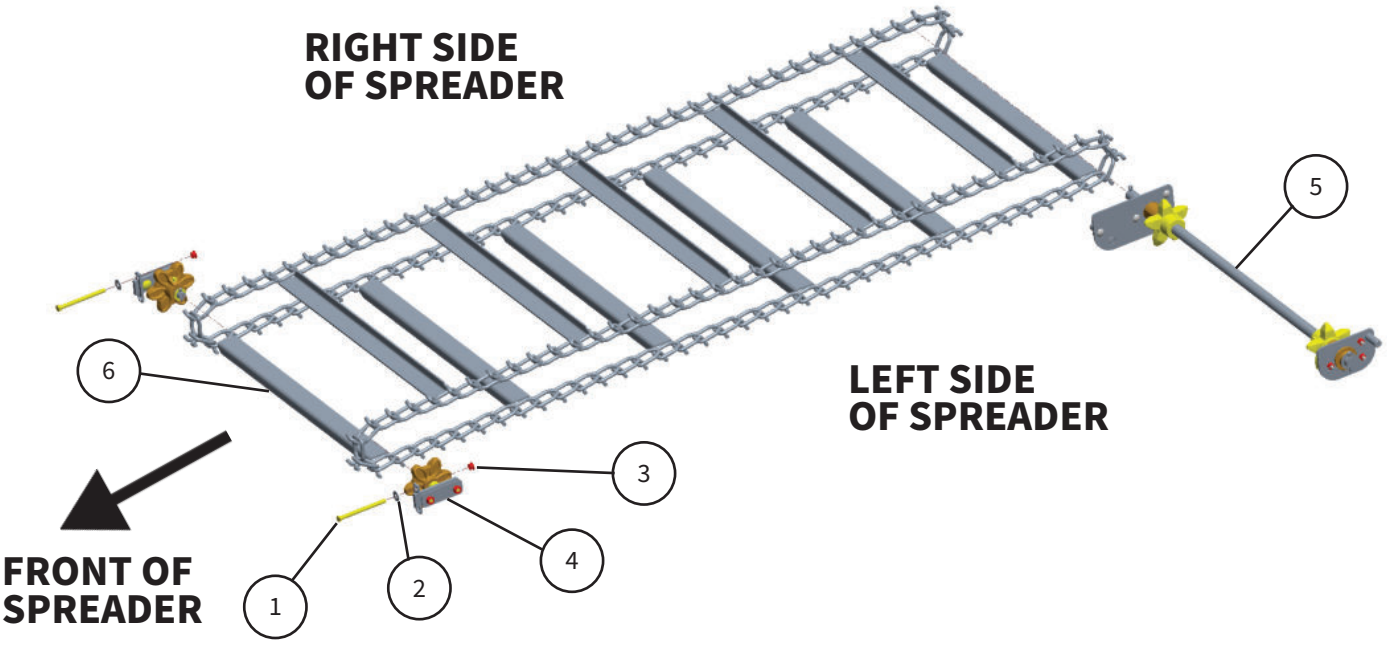
ASM: FLOOR BOARDS AND SIDE RAILS



ASM: FLOOR BOARDS AND SIDE RAILS (cont'd)

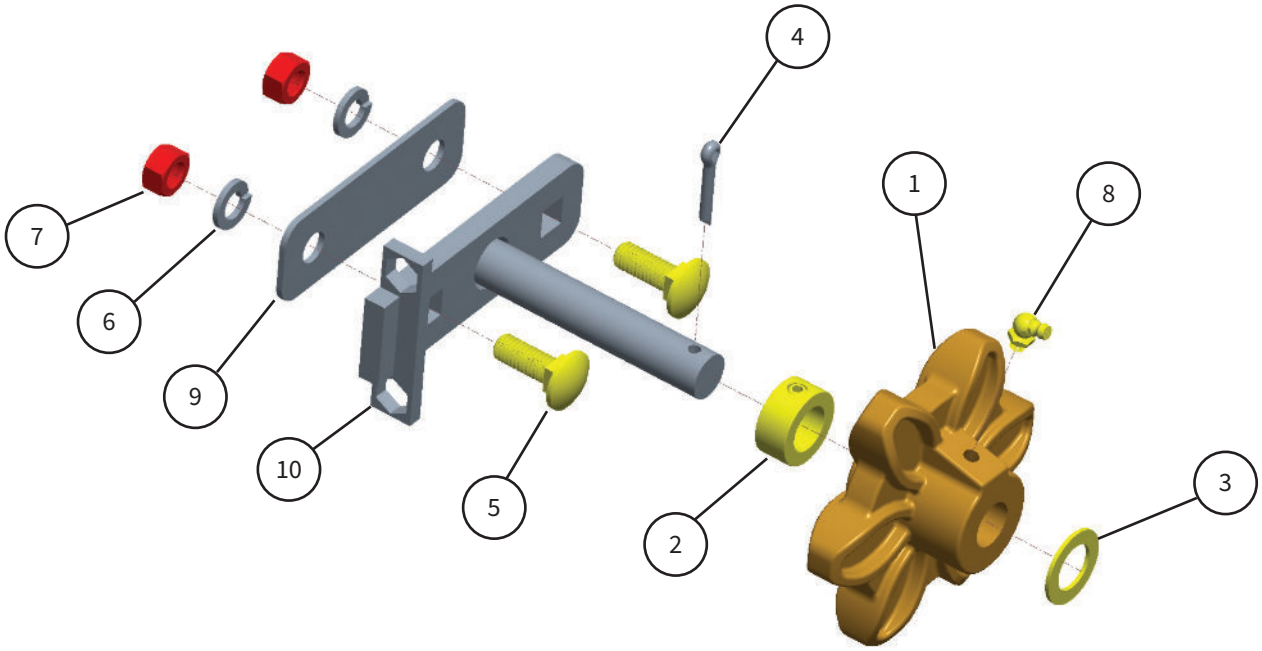
ITEM	PART #	DESCRIPTION
1	10-20126	5/16-18 HEX NUT
2	10-20476	1/4-20 X 5/8" CARRIAGE BOLT
3	10-20477	7/16" LOCK WASHER
4	10-20478	1/4-20 CAP NUT
5	10-20484	5/16-18 X 1-1/2" STEP BOLT
6	10-32042	3/4" X 6 X 5-13/16" L, POLY FLOOR BOARD (#25)
6	10-31987	3/4" X 6 X 75-1/4 L, POLY FLOOR BOARD (#50)
6	10-32066	3/4" X 6 X 97-7/8" L, POLY FLOOR BOARD (#65)
7	10-32043	3/4" X 6 X 58-13/16" L, POLY FLOOR BOARD (MODIFIED LEFT) (#25)
7	10-31988	3/4" X 6 X 75-1/4" L, POLY FLOOR BOARD (MODIFIED LEFT) (#50)
7	10-32068	3/4" X 6 X 97-7/8" L, POLY FLOOR BOARD (MODIFIED LEFT) (#65)
8	10-32044	FLOOR CORNER PANEL, LEFT (#25)
8	10-31989	FLOOR CORNER PANEL, LEFT (#50)
8	10-32069	FLOOR CORNER PANEL, LEFT (#65)
9	10-32045	FLOOR CORNER PANEL, RIGHT (#25)
9	10-31990	FLOOR CORNER PANEL, RIGHT (#50)
9	10-32070	FLOOR CORNER PANEL, RIGHT (#65)
10	10-32046	3/4" X 6 X 58-13/16" L, POLY FLOOR BOARD (MODIFIED RIGHT) (#25)
10	10-31991	3/4" X 6 X 75-1/4" L, POLY FLOOR BOARD (MODIFIED RIGHT) (#50)
10	10-32067	3/4" X 6 X 97-7/8' L, POLY FLOOR BOARD (MODIFIED RIGHT) (#65)

ASM: WEB CHAIN AND GEARS



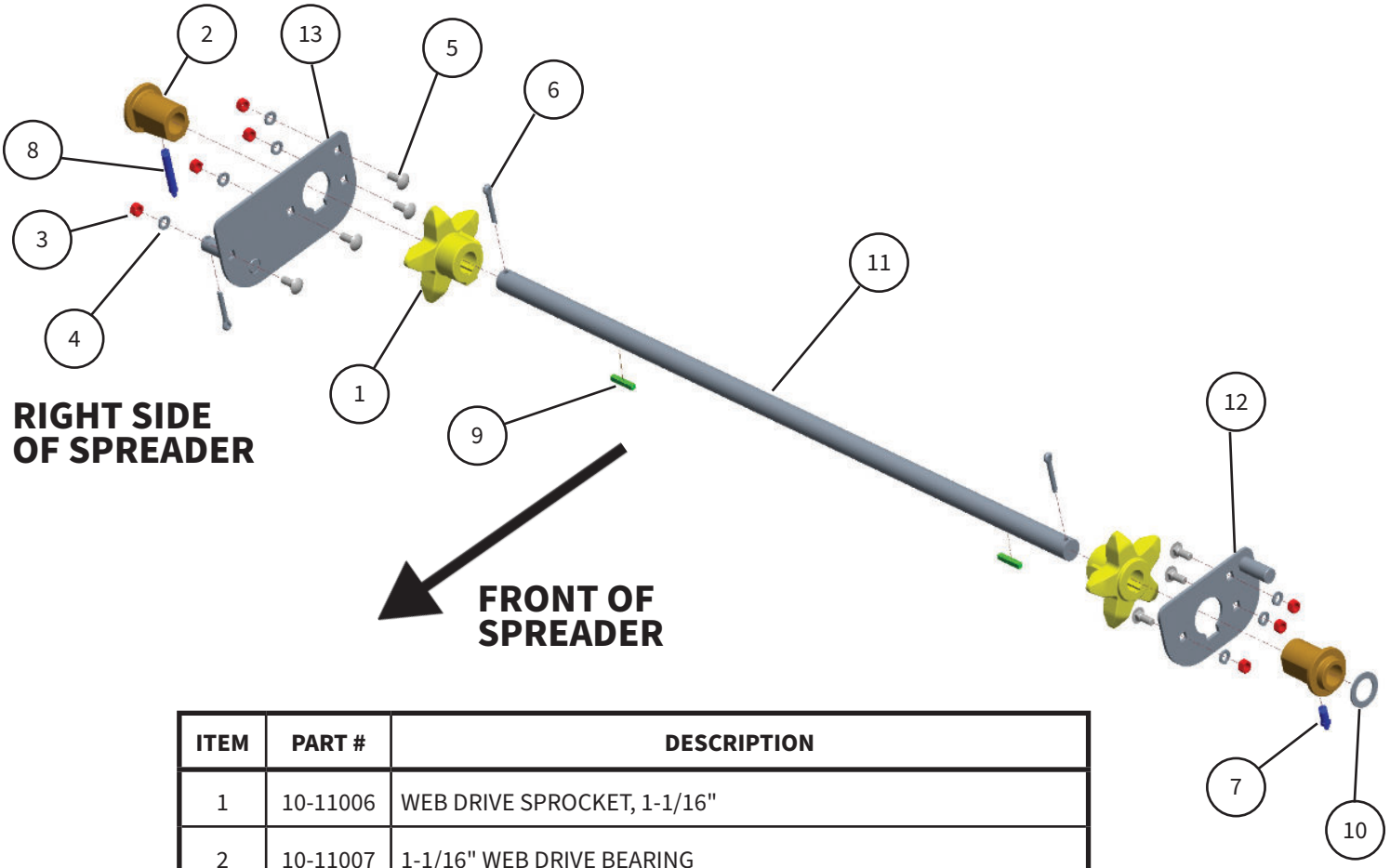
ITEM	PART #	DESCRIPTION
1	10-20428	3/8 X 5" FULL THREAD HEX BOLT: GR5
2	10-20429	3/8 FLAT WASHER
3	10-20430	3/8 SERRATED FLANGE NUT
4	10-90463	ASM: IDLER WEB
5	10-90485	ASM: REAR WEB CHAIN SHAFT AND SPROCKET (#25)
5	10-90467	ASM: REAR WEB CHAIN SHAFT AND SPROCKET (#50/#65)
6	10-90489	ASM: WEB CHAIN (#25)
6	10-90474	ASM: WEB CHAIN (#50)
6	10-90496	ASM: WEB CHAIN (#65)

ASM: FRONT WEB CHAIN GEAR



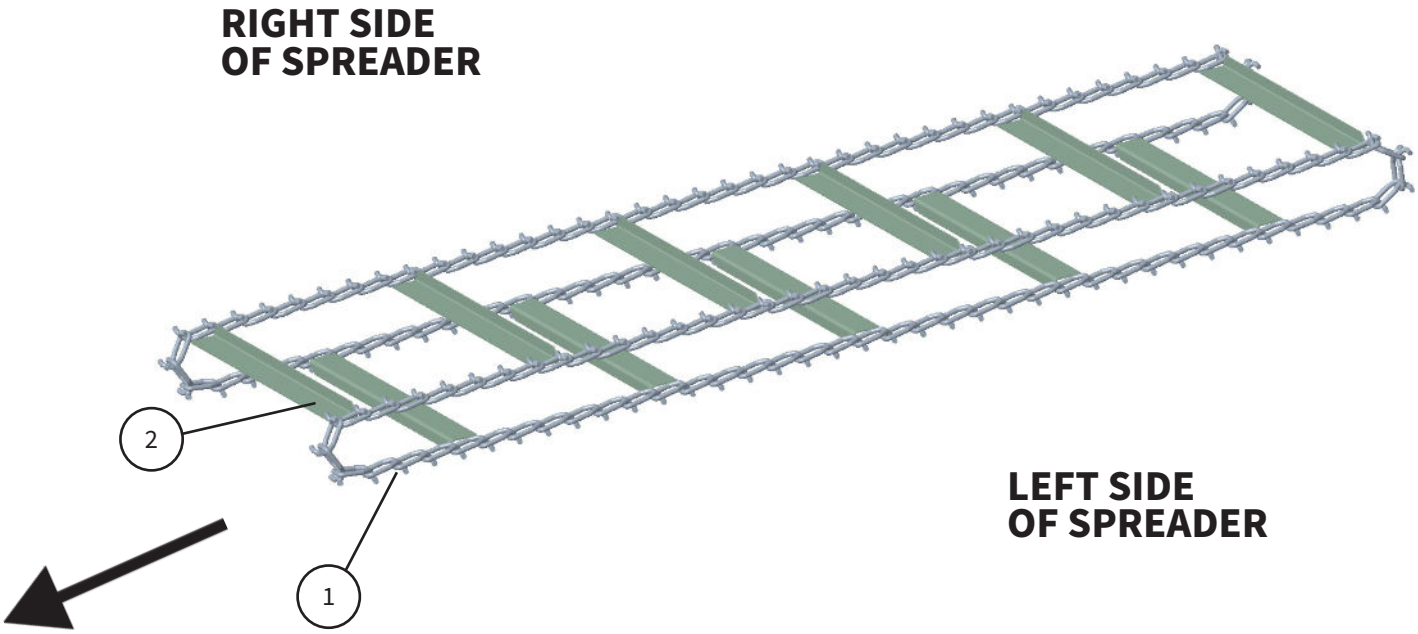
ITEM	PART #	DESCRIPTION
1	10-10996	6T WEB IDLER SPROCKET, 3/4" BORE
2	10-20425	3/4" SHAFT COLLAR
3	10-20426	3/4" MACHINE WASHER
4	10-20427	3/16 X 1" COTTER PIN
5	10-20431	7/16 X 1-1/4" CARRIAGE BOLT
6	10-20432	7/16" LOCK WASHER
7	10-20433	7/16" HEX NUT
8	10-20448	1/4-28 65 DEG GREASE FITTING
9	10-31921	WEB IDLER PLATE
10	10-40558	WEB IDLER BRACKET

ASM: REAR WEB CHAIN SHAFT AND GEAR



ITEM	PART #	DESCRIPTION
1	10-11006	WEB DRIVE SPROCKET, 1-1/16"
2	10-11007	1-1/16" WEB DRIVE BEARING
3	10-20130	3/8" HEX NUT
4	10-20133	3/8" LOCK WASHER
5	10-20379	3/8 X 1" CARRIAGE BOLT
6	10-20445	1/4 X 1-1/2" COTTER PIN
7	10-20446	1/8 NPT, X 1-1/4" GREASE FITTING
8	10-20447	1/8 NPT, X 2-5/8" GREASE FITTING
9	10-20449	KEY STOCK 1/4 X 1/4 X 1-1/2" LG
10	10-20452	1-1/8" MACHINE WASHER
11	10-32039	WEB DRIVE SHAFT (#25)
11	10-31945	WEB DRIVE SHAFT (#50/#65)
12	10-40568	WLDMT: LEFT WEB BEARING PLATE
13	10-40571	WLDMT: RIGHT WEB BEARING PLATE

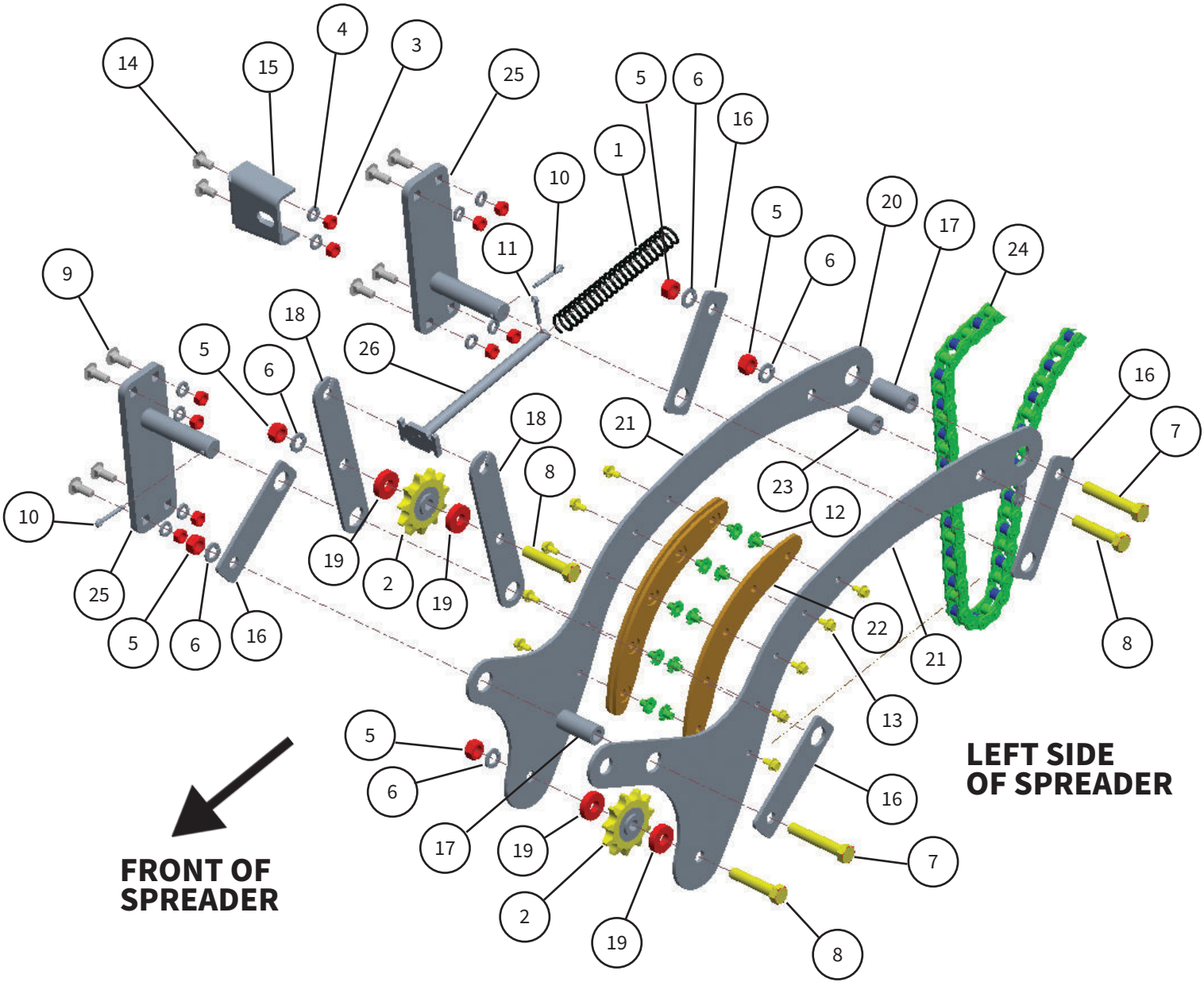
ASM: WEB CHAIN



ITEM	PART #	DESCRIPTION
1	10-31943	3/8" TEE ROD WEB LINK (25/50/65)
2	10-40588	WLDMT: WEB SLAT (#25)
2	10-40566	WLDMT: WEB SLAT (#50/#65)

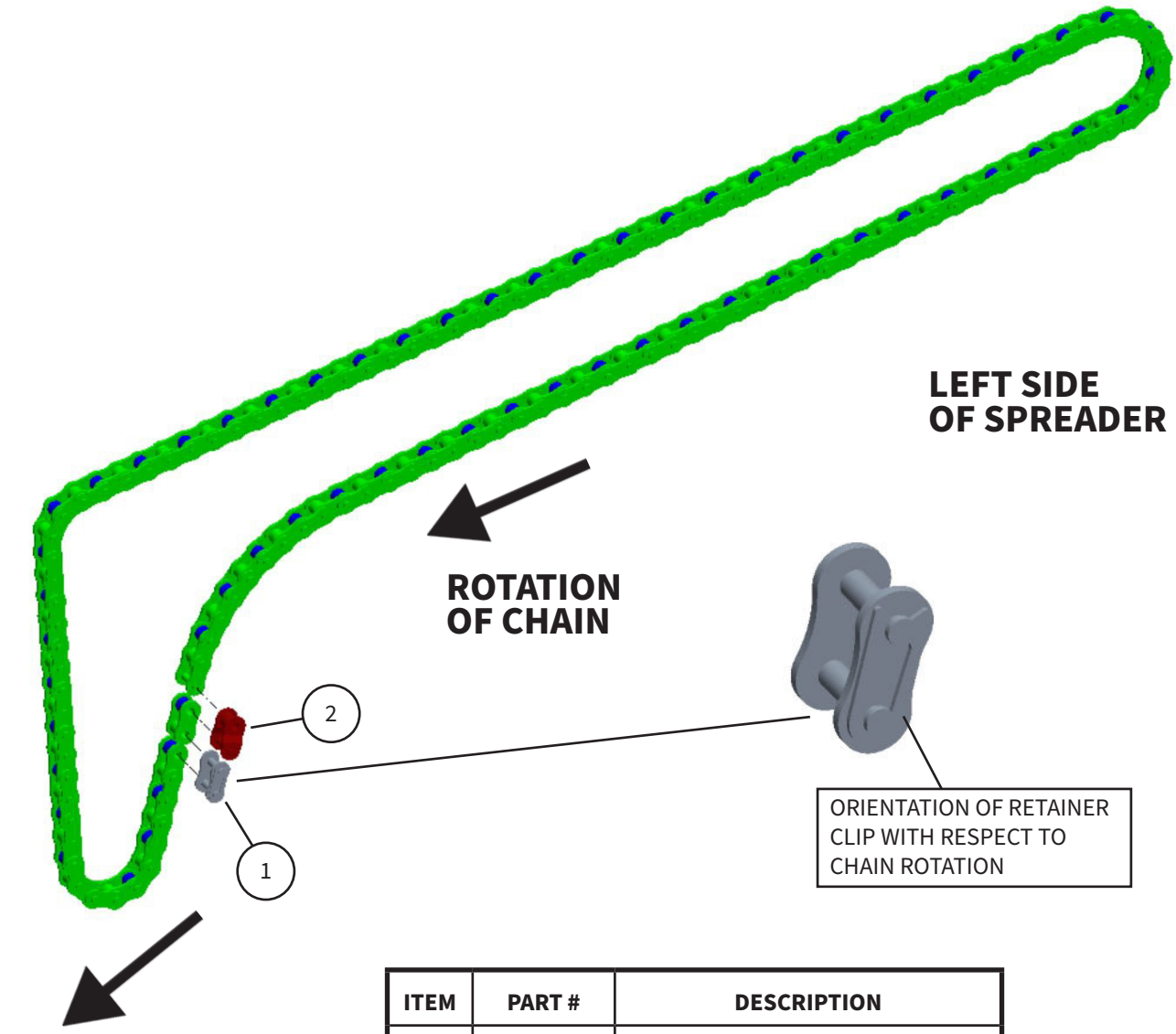
SPREADER SIZE	10-31943 QTY	10-40588 QTY	10-40566 QTY
25 cu/ft	102	9	N/A
50 cu/ft	126	N/A	11
65 cu/ft	158	N/A	13

ASM: CHAIN LIFT ARM



ITEM	PART #	DESCRIPTION
1	10-10950	25/50/65 CHAIN ARM SPRING
2	10-11001	#60 X 11 IDLER SPROCKET
3	10-20130	3/8" HEX NUT
4	10-20133	3/8" LOCK WASHER
5	10-20138	1/2" HEX NUT
6	10-20139	1/2" LOCK WASHER
7	10-20168	1/2 X 3" HEX BOLT
8	10-20185	1/2 X 2-1/2" HEX BOLT
9	10-20379	3/8 X 1" CARRIAGE BOLT
10	10-20424	3/16 X 1-1/4" COTTER PIN
11	10-20427	3/16 X 1" COTTER PIN
12	10-20473	1/4" TEE NUT
13	10-20474	1/4 X 1/2" SERRATED FLANGE BOLT
14	10-20475	3/8 X 3/4" CARRIAGE BOLT
15	10-31974	ROD BRACKET
16	10-31975	LIFT ARM
17	10-31976	STEEL BUSHING 7/8 X 1/2 X 2"
18	10-31979	IDLER ARM
19	10-31980	SPACING WASHER
20	10-31983	CHAIN LIFTING ARM
21	10-31984	CHAIN LIFTING ARM W/ROD HOLE
22	10-31985	CHAIN SLIDE
23	10-31986	STEEL BUSHING 7/8 X 1/2 X 1-5/16"
24	10-40591	ASM: #25 MAIN DRIVE CHAIN
24	10-40555	ASM: #50 MAIN DRIVE CHAIN
24	10-40594	ASM: #65 MAIN DRIVE CHAIN
25	10-40575	WLDMT: MOUNTING BRACKET
26	10-40576	WLDMT: SPRING HOLDER

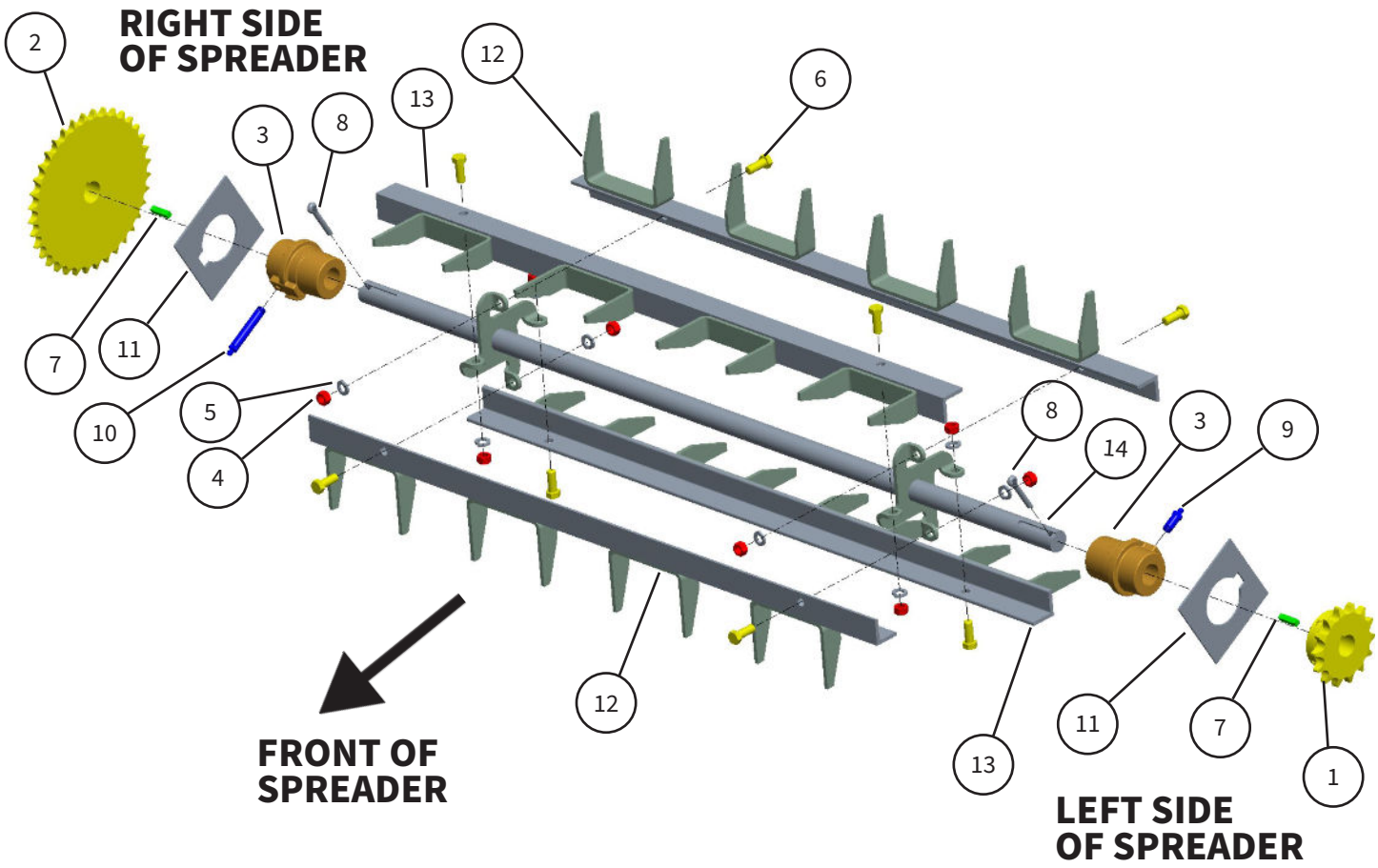
ASM: MAIN DRIVE CHAIN



ITEM	PART #	DESCRIPTION
1	10-11015	#60 CONNECTING LINK (#25/50/65)
2	10-11021	#60 OFFSET/HALF LINK (#50/65)

SPREADER SIZE	LINK QTY	CONNECTING LINK QTY	OFFSET/HALF LINK QTY
25 cu/ft	51	1	N/A
50 cu/ft	63	1	1
65 cu/ft	72	1	1

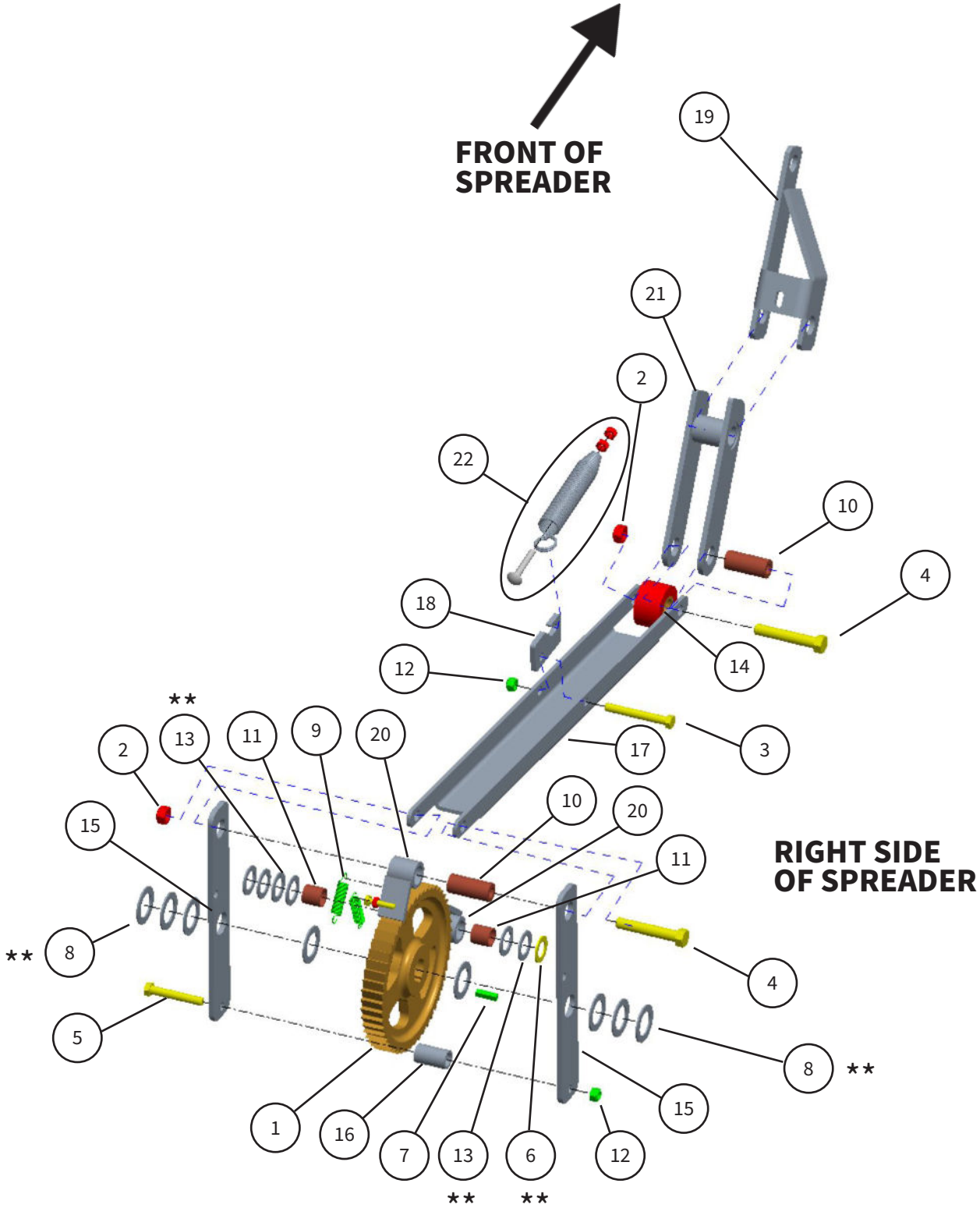
ASM: BEATER



ITEM	PART #	DESCRIPTION
1	10-11002	#60 14 TOOTH X 1" SPROCKET
2	10-11003	#50 36 TOOTH X SPROCKET
3	10-11004	273 BEARING, 1" BORE
4	10-20130	3/8-16 HEX NUT
5	10-20133	3/8" LOCK WASHER
6	10-20279	3/8-16 X 1" HEX BOLT
7	10-20437	KEY STOCK: 1/4" X 1/4" X 1" LG
8	10-20445	1/4" X 1-1/2" COTTER PIN
9	10-20446	1/8 NPT X 1-1/4" GREASE FITTING

ITEM	PART #	DESCRIPTION
10	10-20447	1/8 NPT X 2-5/8" GREASE FITTING
11	10-31939	BEARING PLATE: TOP BEATER
12	10-40581	WLDMT: 27" BEATER BAR (#25)
12	10-40551	WLDMT: 34" BEATER BAR, RIGHT SIDE (#50/#65)
13	10-40552	WLDMT: 34" BEATER BAR, LEFT SIDE (#50/#65)
14	10-40587	WLDMT: BEATER SHAFT WITH HEADS (#25)
14	10-40564	WLDMT: BEATER SHAFT WITH HEADS (#50/#65)

ASM: WEB DRIVE

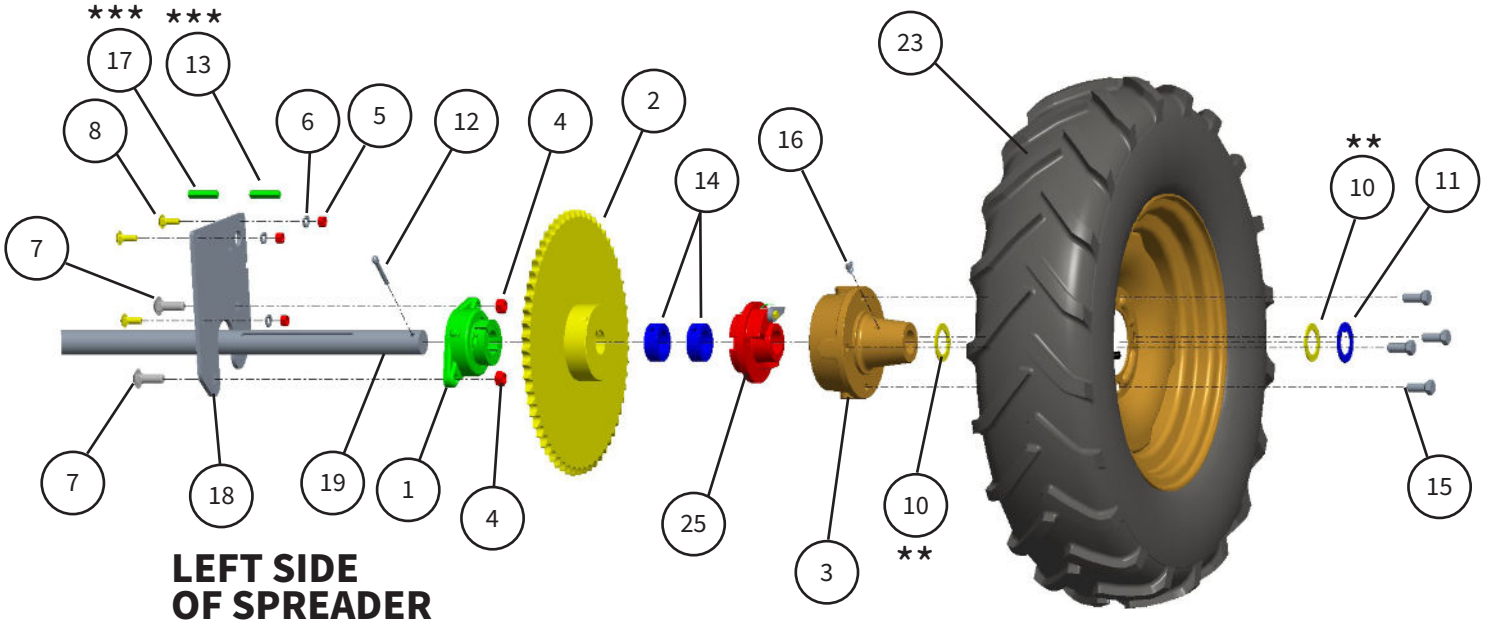


** Machine Washer quantity may vary due to tolerance stackup on the spreader components.

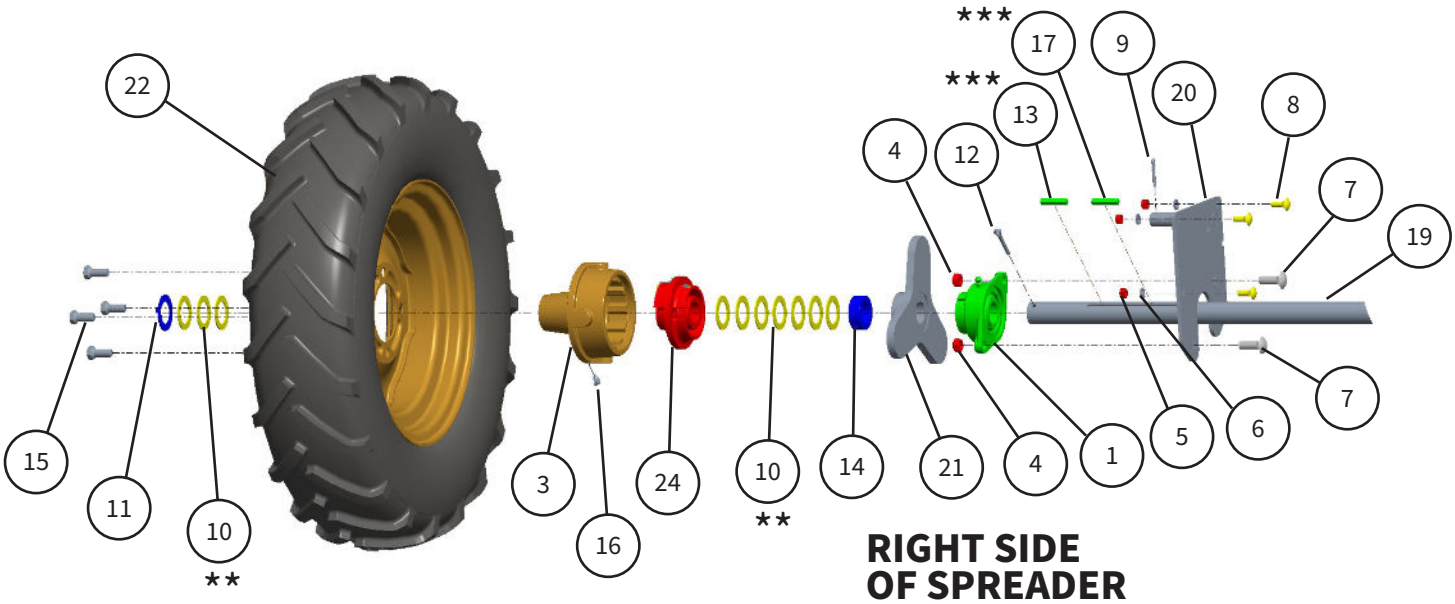
ASM: WEB DRIVE (cont'd)

	ITEM	PART #	DESCRIPTION
	1	10-11008	SMALL WEB RATCHET GEAR
	2	10-20050	1/2-13 LOCK NUT
	3	10-20065	3/8-16 X 3" HEX HEAD BOLT
	4	10-20168	1/2-13 X 3" HEX HEAD BOLT
	5	10-20180	3/8-16 X 2-1/2"HEX HEAD BOLT
**	6	10-20426	3/4" MACHINE WASHER
	7	10-20437	KEY STOCK 1/4 X 1/4 X 1" LG
**	8	10-20452	1-1/8" MACHINE WASHER
	9	10-20455	WEB PAWL SPRING
	10	10-20456	1/2 X 7/8 X 2" BRONZE BUSHING
	11	10-20457	3/4 X 7/8 X 7/8" BRONZE BUSHING
	12	10-20459	3/8-16 LOCK NUT
**	13	10-20460	7/8" MACHINE WASHER
	14	10-20461	SMALL ROLLER
	15	10-31951	WEB PAWL ARM
	16	10-31954	3/8" I.D. X 1-1/2" LONG SPACER
	17	10-32040	WEB PUSH ARM (#25)
	17	10-31959	WEB PUSH ARM (#50)
	17	10-32071	WEB PUSH ARM (#65)
	18	10-31960	SPRING BRACKET
	19	10-31961	YOKE ARM
	20	10-40570	WEB DRIVE PAWL
	21	10-40572	WLDMT: WEB ROLLER ARM
	22	10-90615	ASM: WEB ARM EXTENSION SPRING

ASM: WHEEL AND AXLE



LEFT SIDE OF SPREADER



RIGHT SIDE OF SPREADER

★★ Machine Washer quantity may vary due to tolerance stackup on the spreader components.

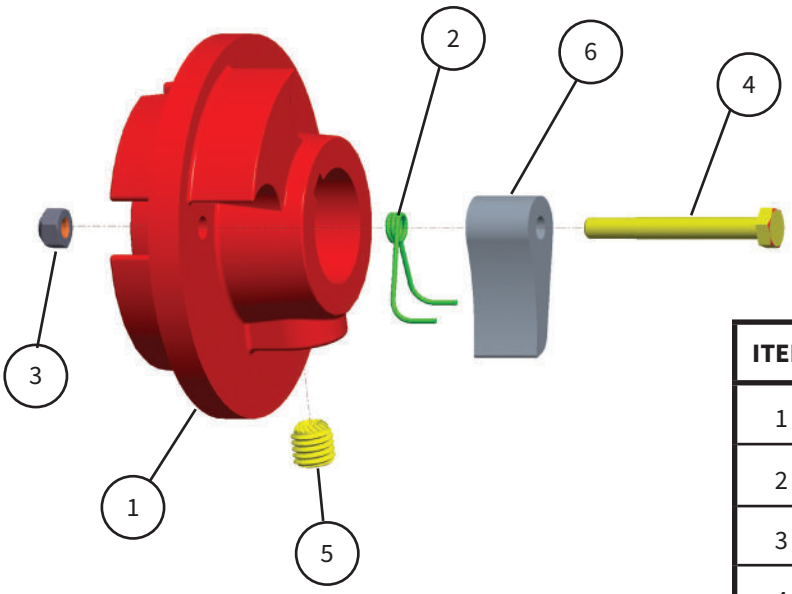
★★★ 10-20467 5/16 X 5/16 X 1-3/4" KEY STOCK is used under 10-90470 ASM: HUB BACKER, RIGHT and 10-90471 ASM: HUB BACKER, LEFT (#65 models only).
10-20587 5/16 X 5/16 X 1-1/2" KEY STOCK is used under 10-910998 AXLE SPROCKET and 10-940574 WLDMT: WEB DRIVE CAM STAR (#65 models only).
10-20463 5/16 X 5/16 X 3-5/8" KEY STOCK is used both on sides of the unit in place of 10-20467 and 10-20587 (#25/50 models only).

ASM: WHEEL AND AXLE (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10997	AXLE BEARING
2	10-10998	AXLE SPROCKET
3	10-10999	4 ON 5 RATCHETING HUB
4	10-20050	1/2-13 LOCK NUT
5	10-20130	3/8-16 HEX NUT
6	10-20133	3/8" LOCK WASHER
7	10-20188	1/2-13 X 1-1/2" CARRIAGE BOLT
8	10-20379	3/8-16 X 1" CARRIAGE BOLT
9	10-20424	3/16 X 1-1/4" COTTER PIN
10	10-20464	1-3/8" MACHINE WASHER
11	10-20465	SHAFT/COTTER PIN WASHER
12	10-20466	1/4" X 1-3/4" COTTER PIN
13	10-20467	5/16" X 5/16" X 1-3/4" KEY STOCK (#65 ONLY)
14	10-20470	1-3/8" SHAFT COLLAR (#65 ONLY)
15	10-20480	1/2 WHEEL BOLT

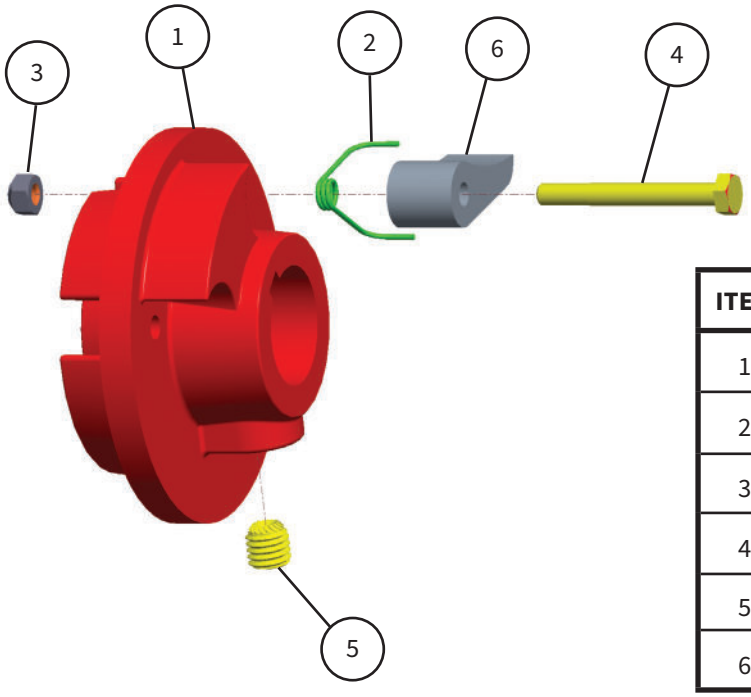
ITEM	PART #	DESCRIPTION
16	10-20548	1/4-28 X 45 DEGREE ELBOW GREASE FITTING
17	10-20587	5/16" X 5/16" X 1-1/2" KEY STOCK (#65 ONLY)
17	10-20463	5/16" X 5/16" X 3-5/8" KEY STOCK (#25/50 ONLY)
18	10-31964	LEFT AXLE BEARING PLATE
19	10-32041	AXLE (#25)
19	10-31967	AXLE (#50)
19	10-32073	AXLE (#65)
20	10-40573	WLDMT: RIGHT AXLE BEARING PLATE
21	10-40574	WLDMT: WEB DRIVE CAM STAR
22	10-60079	RIGHT WHEEL ASM: 25X5.00-15 (#25/#50)
22	10-60086	RIGHT WHEEL ASM: 7.6-15 (#65)
23	10-60080	LEFT WHEEL ASM: 25X5.00-15 (#25/#50)
23	10-60087	LEFT WHEEL ASM: 7.6-15 (#65)
24	10-90470	ASM: HUB BACKER, RIGHT
25	10-90471	ASM: HUB BACKER, LEFT

ASM: HUB BACKER, RIGHT



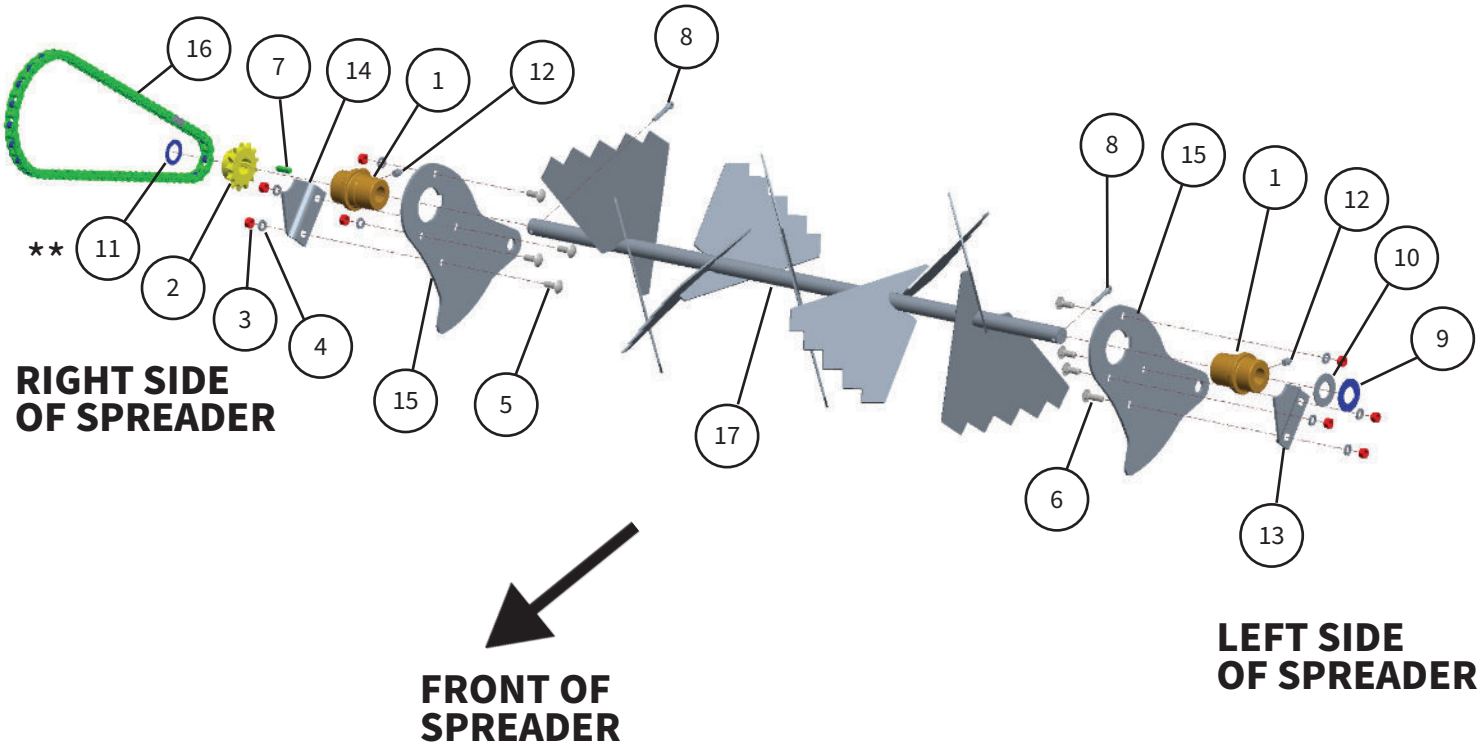
ITEM	PART #	DESCRIPTION
1	10-11000	HUB BACKER
2	10-11023	WHEEL PAWL SPRING
3	10-20414	1/4-20 LOCK NUT
4	10-20468	1/4-20 X 2-1/4" HEX BOLT
5	10-20469	1/2" X 1/2" ALLEN HEAD SET SCREW
6	10-31972	WHEEL PAWL, RIGHT

ASM: HUB BACKER, LEFT



ITEM	PART #	DESCRIPTION
1	10-11000	HUB BACKER
2	10-11023	WHEEL PAWL SPRING
3	10-20414	1/4-20 LOCK NUT
4	10-20468	1/4-20 X 2-1/4" HEX BOLT
5	10-20469	1/2" X 1/2" ALLEN HEAD SET SCREW
6	10-31973	WHEEL PAWL, LEFT

ASM: WIDESPREAD

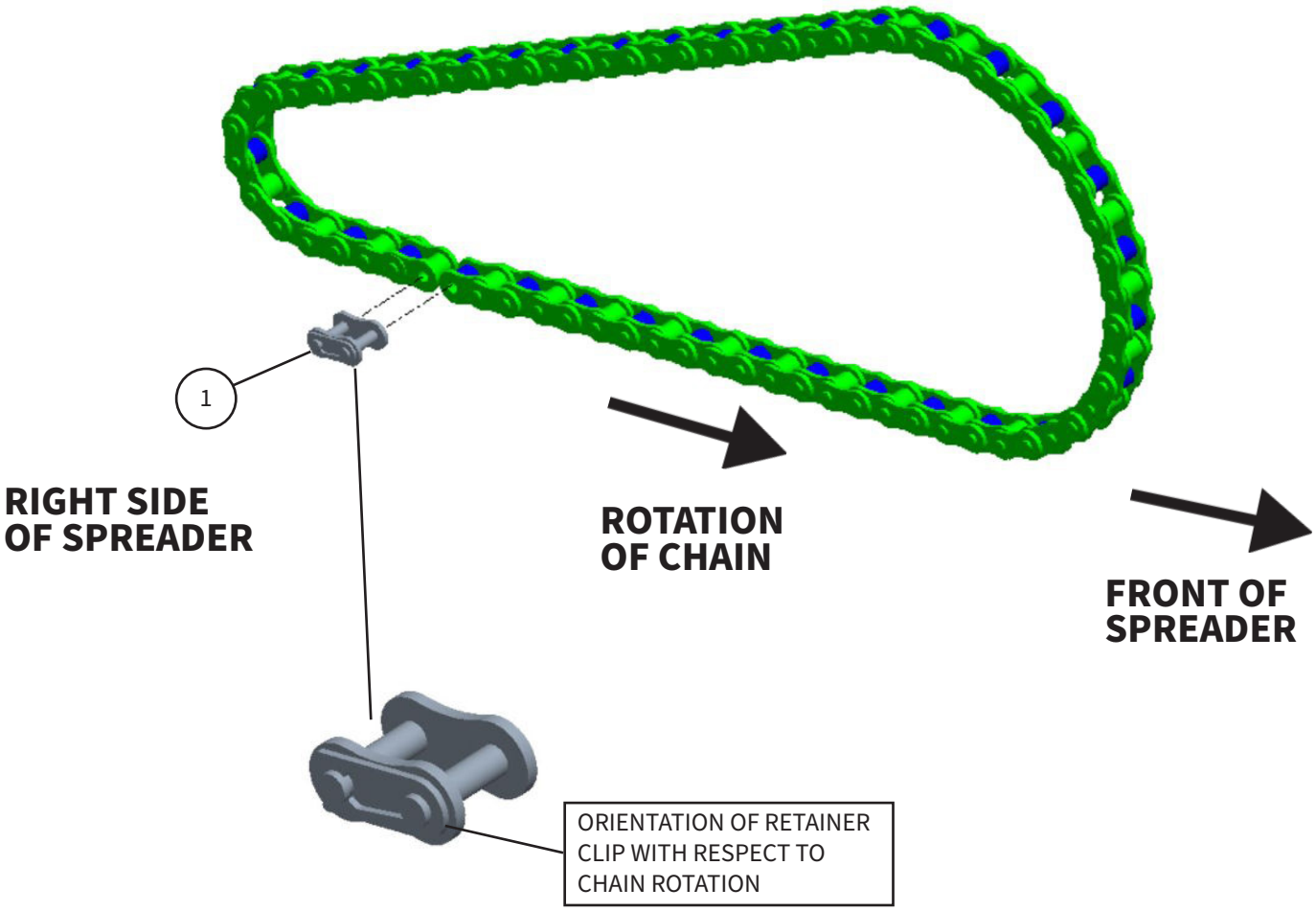


ITEM	PART #	DESCRIPTION
1	10-11004	273 BEARING, 1" BORE
2	10-11005	WIDESPREAD SPROCKET
3	10-20130	3/8-16 HEX NUT
4	10-20133	3/8" LOCK WASHER
5	10-20379	3/8-16 X 1" CARRIAGE BOLT
6	10-20398	3/8-16 X 1-1/4" CARRIAGE BOLT
7	10-20437	KEY STOCK: 1/4" X 1/4" X 1" LG
8	10-20438	1/4" X 1-1/4" COTTER PIN:
9	10-20439	1" COTTER PIN/SHAFT WASHER

ITEM	PART #	DESCRIPTION
10	10-20440	WASHER - WIDE RIM: 1.02" I.D., 2" O.D., ZINC
11	10-20441	MACHINE WASHER: 1" X 1-1/2" O.D.
12	10-20442	1/8 NPT STRAIGHT GREASE FITTING
13	10-31926	WIDESPREAD KEEPER PLATE, LEFT
14	10-31927	WIDESPREAD KEEPER PLATE, RIGHT
15	10-32010	WIDESPREAD BEARING PLATE
16	10-40549	#50 WIDESPREAD CHAIN (#25)
16	10-40553	#50 WIDESPREAD CHAIN (#50/#65)
17	10-40585	WLDMT: WIDESPREAD SHAFT W/ PADDLES (#25)
17	10-40560	WLDMT: WIDESPREAD SHAFT W/ PADDLES (#50/#65)

** Machine Washer quantity may vary due to tolerance stackup on the spreader components.

#50 WIDESPREAD CHAIN (#25/#50/#65)

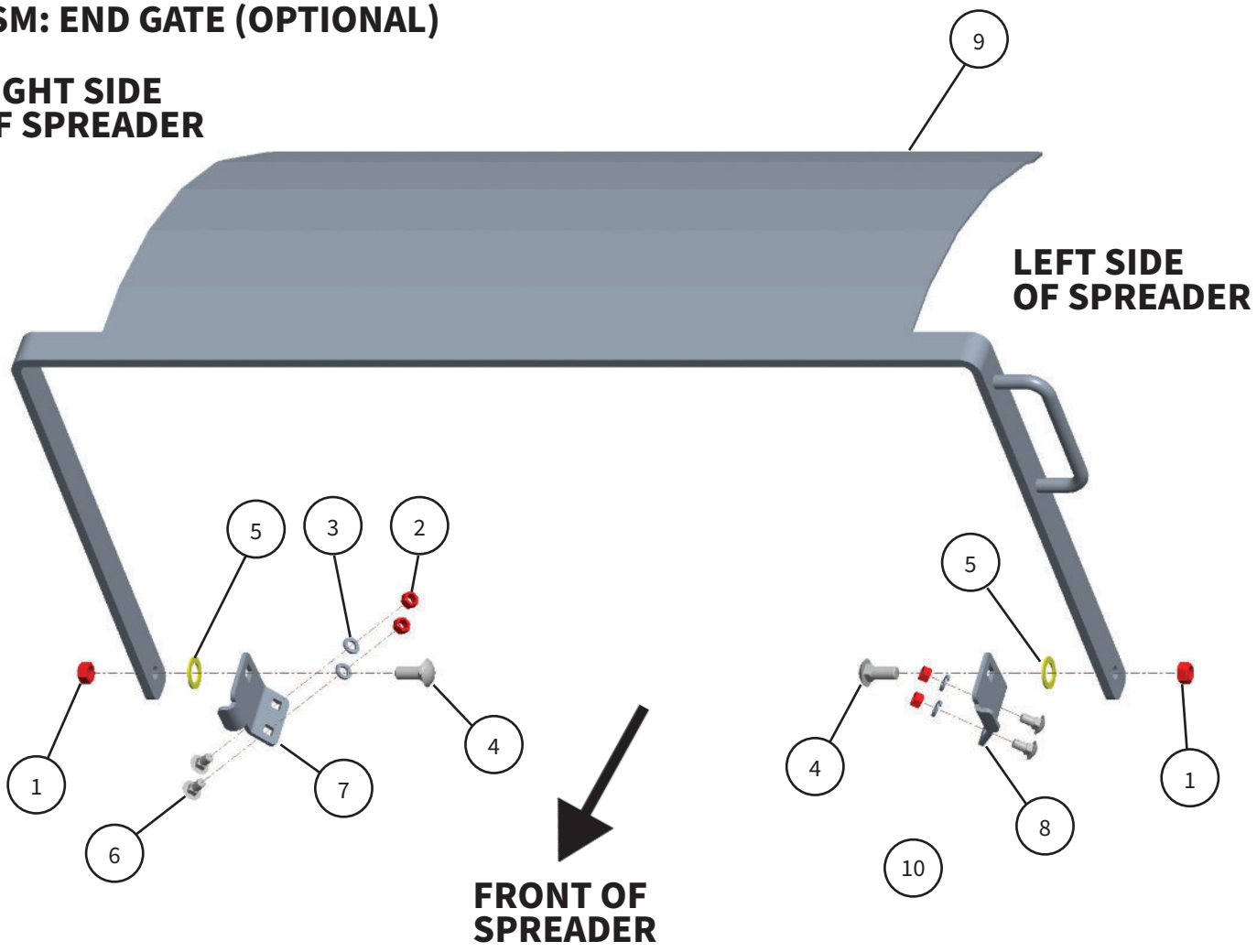


ITEM	PART #	DESCRIPTION
1	10-10946	#50 WIDE CONNECTING LINK

SPREADER SIZE	LINK QTY	CONNECTING LINK QTY
25 cu/ft	34	1
50 cu/ft	35	1
65 cu/ft	35	1

Options

ASM: END GATE (OPTIONAL)



ITEM	PART #	DESCRIPTION
1	10-20050	1/2-13 LOCK NUT
2	10-20130	3/8" HEX NUT
3	10-20133	3/8" LOCK WASHER
4	10-20270	1/2 X 1-1/4" CARRIAGE BOLT
5	10-20426	3/4" MACHINE WASHER 1.25" OD
6	10-20475	3/8 X 3/4" CARRIAGE BOLT

ITEM	PART #	DESCRIPTION
7	10-31901	END GATE BRACKET, RIGHT
8	10-31902	END GATE BRACKET, LEFT
9	10-40580	WLDMT: END GATE PANEL (#25)
9	10-40550	WLDMT: END GATE PANEL (#50/#65)
10	10-90508	ASM: END GATE COMPLETE (#25)
10	10-90499	ASM: END GATE COMPLETE (#50/65)

OPTIONAL END GATE SETUP

1. The End Gate may be shipped one of two ways, either a (1) piece welded tailgate (**Fig 1**) or a (2) piece End Gate that will need to be assembled (**Fig 2**).

2. If you have the (1) piece welded End Gate shown in **Fig 1**, go directly to page 4 and begin assembling it to the Classic Spreader.

3. If you have the (2) piece End Gate shown in **Fig 2**, follow steps 4 thru 14 before going to page 4 to assemble it to the Classic Spreader.

Tools Needed:
- Gloves
- Safety Glasses
- Safety Shoes
- (2) 9/16" wrenches (or socket set)

4. Remove hardware from End Gate Support Bar using (2) 9/16" wrenches (or socket set) (**Fig 3**).

5. Stand End Gate Support Bar so the short sections of the bar are facing upwards (**Fig 4**).

6. Slide (1) bolt thru hole closest to one of the vertical sections of the support bar with head of bolt touching the ground (**Fig 5**).

7. Place curved End Gate section so that the last hole lines up with the bolt and is curving up away from the floor in the direction shown in relation to the handle welded to the support bar (**Fig 6**).

8. Press down on the curved End Gate so the bolt in step 6 protrudes thru the last hole in the curved tailgate (**Fig 7**).

9. Slide (1) Lockwasher onto bolt then thread (1) nut onto bolt and hand tighten only at this time (**Fig 8**).

10. Slide bolt thru farthest hole on opposite side of the End Gate support bar with head of bolt touching the ground (**Fig 9**).

11. Slide curved tailgate onto the bolt in step 10 then slide (1) Lockwasher onto bolt then thread (1) nut onto bolt and hand tighten only at this time (**Fig 10**).

12. Set End Gate assembly on Tailgate edge and end of both vertical sections of support bar (**Fig 11**). Insert the (3) remaining bolts thru the 3 holes in support bar and End Gate section. Slide (1) Lockwasher onto each bolt then thread (1) nut onto each bolt (**Fig 12**).

13. Tighten all 5 bolts/nuts using (2) 9/16" wrenches (or socket set) (**Fig 13**).

14. End Gate assembly is complete (**Fig 14**). Continue on to step 15 on page 4.

Fig 1.

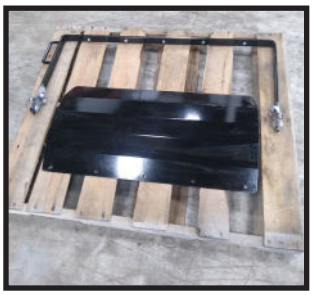


Fig 2.

Fig 3.

Fig 4.

Fig 5.

Fig 6.

Fig 7.

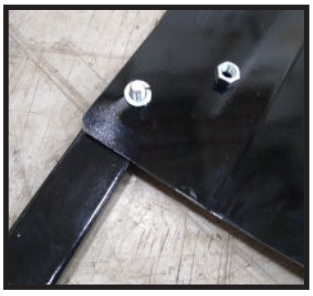


Fig 8.

OPTIONAL END GATE SETUP (cont'd)

Fig 9.

Fig 10.

Fig 11.

Fig 12.

Fig 13.

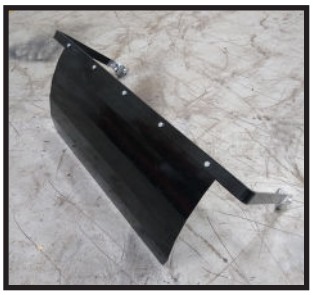


Fig 14.

OPTIONAL END GATE INSTALLATION

15. Using a screwdriver and hammer, remove the two square punch-outs on each side of the spreader by sliding the tip of screwdriver into the slits of the punch-outs and pry out the punch-outs. These punch-outs are located along the top edge of the box of the spreader. (**Fig 15**).

16. Remove the plastic wrap covering the brackets and hardware on both ends of the support bar on the End Gate then remove the two bolts, nuts, and lockwashers from both brackets on the End Gate using a 9/16" wrench (or socket set). (**Fig 16**).

17. Remove the left chain guard using a 9/16" wrench (or socket set) before laying the End Gate on the spreader (**Fig 17**).

18. Lay End Gate on spreader and line the holes in the brackets of the End Gate with the punched out holes on the spreader (this may require 2 people). (**Fig 18**).

19. Insert the bolts from the top side and then install the lockwashers and nuts from underneath. Once you have all 4 bolts in place, tighten down the nuts using a 9/16" wrench (or socket set). (**Fig 19**).

20. Once all 4 bolts are tightened securing the End Gate to the spreader, raise the End Gate and re-attach the left chain guard and secure with bolts, lockwashers and nuts using a 9/16" wrench (or socket set). (**Fig 20**).

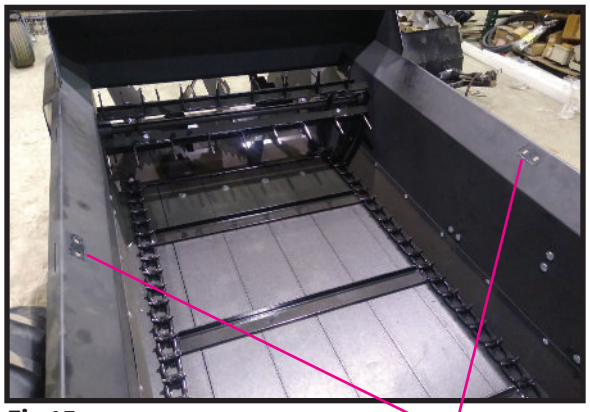


Fig 15.

4 punch outs (2 on each side of the spreader)

Fig 16.

Remove hardware from both brackets.

Fig 17.

OPTIONAL END GATE INSTALLATION (cont'd)

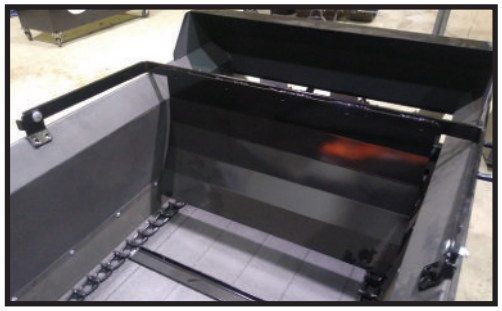


Fig 18.

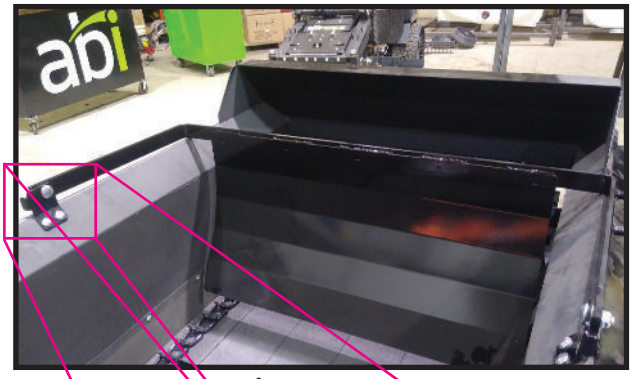
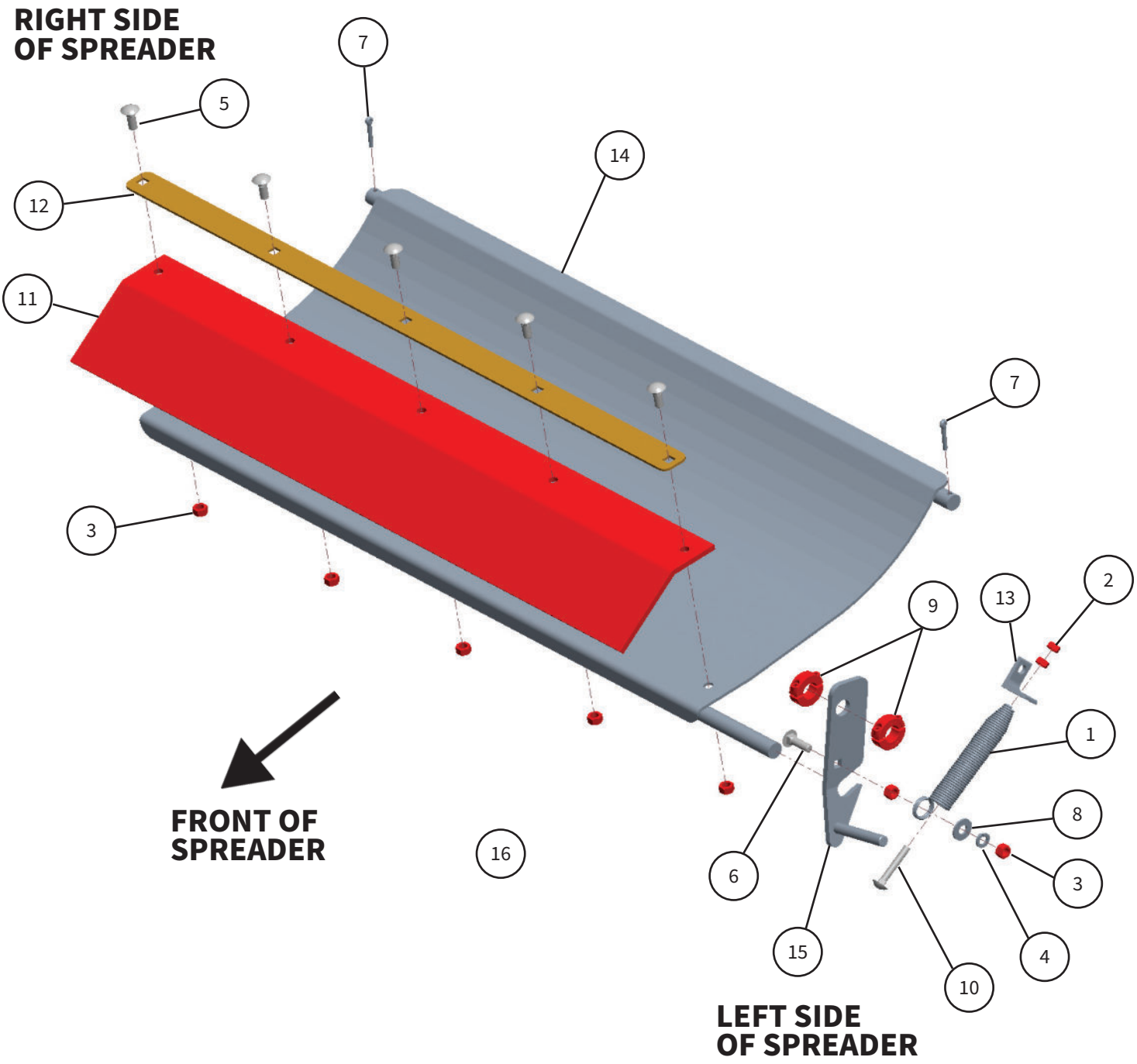


Fig 19.

Insert the bolts from the top side and install the lockwashers and nuts from underneath.

Fig 20.

ASM: LITTER/FINE PAN (OPTIONAL)



ASM: LITTER/FINE PAN (OPTIONAL) (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10949	SPRING
2	10-20126	5/16" HEX NUT
3	10-20130	3/8" HEX NUT
4	10-20133	3/8" LOCK WASHER
5	10-20379	3/8 X 1" CARRIAGE BOLT
6	10-20398	3/8 X 1-1/4" CARRIAGE BOLT
7	10-20427	3/16 X 1" COTTER PIN
8	10-20429	3/8" FLAT WASHER
9	10-20453	SPLIT SHAFT COLLAR, ZINC
10	10-20481	5/16 X 2" CARRIAGE BOLT
11	10-32035	FRONT RUBBER (#25)
11	10-31935	FRONT RUBBER (#50/#65)
12	10-32036	RUBBER HOLDER (#25)
12	10-31936	RUBBER HOLDER (#50/#65)
13	10-31950	SPRING ANGLE BRACKET
14	10-40586	WLDMT: LITTER/FINE PAN (#25)
14	10-40562	WLDMT: LITTER/FINE PAN (#50/#65)
15	10-40569	WLDMT: LITTER/FINE PAN LATCH
16	10-90483	ASM: LITTER/FINE PAN COMPLETE (#25)
16	10-90465	ASM: LITTER/FINE PAN COMPLETE (#50/65)

OPTIONAL LITTER/FINE PAN INSTALLATION

Tools Needed:
- Gloves
- Safety Glasses
- Safety Shoes
- Pliers
- 9/16" Wrench (or socket set)
- 3/16" Allen Wrench

1. Remove both cotter pins using a pair of pliers from the safety bar at the rear of the spreader and remove the safety bar (**Fig 1 - Fig 3**).

2. Install the litter pan in place of the safety bar and secure with cotter pins removed in step 1 (**Fig 4**).

3. Remove the bottom left rear bolt/lockwasher/nut from the spreader using a 9/16" wrench (or socket set). The lockwasher and nut will be reused but the bolt will be replaced with the longer bolt included with your litter pan. (**Fig 5**).

4. Install one of the locking collars on the protruding rod welded to the left web chain shaft mounting plate. Leave it loose until everything is installed to allow for final adjustments. (**Fig 6 & Fig 7**).

5. On the same rod, install the latch arm/spring assembly with latch arm handle rod facing outward away from the spreader. Then install the other lock collar onto the rod. (**Fig 8 & Fig 9**).

6. Install the longer 3/8-16 x 1-1/14" bolt into the spreader side plate where the bolt was removed earlier in step 3. Slide "L" bracket attached to Latch arm/spring assembly onto the longer bolt. Replace the lockwsher and nut removed in step 3 and tighten using 9/16" wrench (or socket set) (**Fig 10 & Fig 11**).

7. Adjust so the latch has enough clearance to attach to the litter pan and tighten down the lock collars using a 3/16" Allen Wrench (**Fig 9**).

8. To close Litter/Fine Pan, grab handle welded to Litter/Fine Pan and lift until handle locks into notch on Latch arm/spring assembly [be careful not to pinch fingers]. To release Litter/Fine Pan, pull Latch arm/spring assembly handle toward front of spreader and the Litter/Fine Pan will drop (**Fig 13 - Fig 16**).

Fig 1.

Fig 2.

Fig 3.

Fig 4.

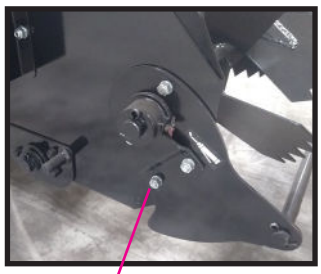


Fig 5.

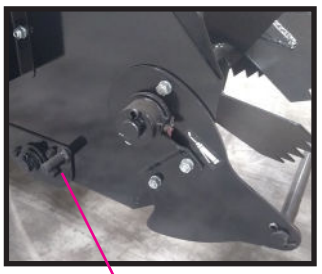


Fig 6.

OPTIONAL LITTER/FINE PAN INSTALLATION (cont'd)

1st locking collar mounted on rod.

Fig 7.

Latch arm/spring assembly and 2nd locking collar .

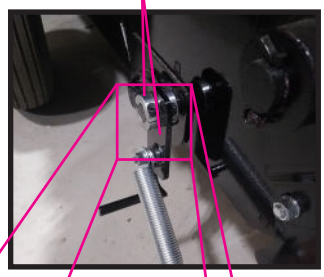


Fig 8.

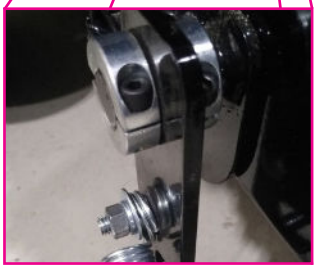


Fig 9.

Fig 10.

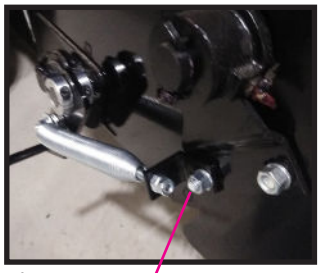


Fig 11.

Install 3/8-16 X 1-1/4" long bolt from kit.

Slide "L" bracket onto bolt along with lockwasher. Thread nut onto bolt and tighten.

Use 3/16" Allen Wrench to tighten both screws on both locking collars.

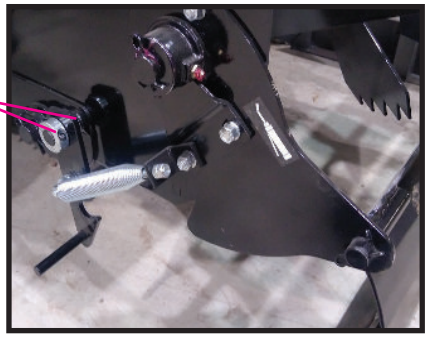


Fig 12.

Fig 13.

Fig 14.

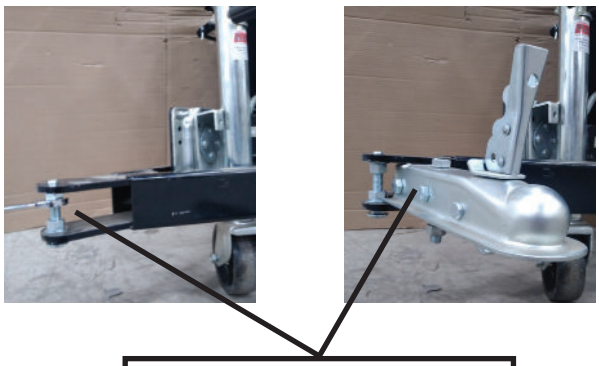
Fig 15.

Fig 16.

OPTIONAL BALL HITCH INSTALLATION

Optional Ball Hitch attachment (P/N LS2BALLHTCH) can be ordered and installed by sliding the ball hitch in between the top and bottom tongue bars.
Slide 5/8-11 bolt (supplied in kit) thru hole in top hitch bar then thru back hole in the top of the hitch. Continue to slide bolt thru hole in the bottom hitch bar. Slide 5/8" washer (supplied in kit) onto bolt then thread 5/8-11 nut (supplied in kit) onto bolt. Tighten with (2) 15/16" wrenches (or sockets).
Tighten both nuts on the side of the hitch with (2) 3/4" wrenches (or sockets).

If the Tongue top and bottom hitch bars are not parallel to each other, it may be hard to slide the ball hitch in between them. If this happens, try using a hammer to gently tap the hitch into place. If it's too tight to tap the hitch into place, take a 5/8-11 bolt that is 4" long or longer (must be a full thread bolt - If a full thread bolt is not ready available, a 5/8-11 carriage bolt will work) and slide a 5/8" washer onto the bolt. Run the bolt up thru the bottom hitch bar but not thru the top bar. Slide a 2nd 5/8" washer onto the bolt then thread (2) 5/8-11 nuts onto the bolt then slide a 3rd 5/8" washer onto the bolt. Push the bolt up thru the hole of the top hitch bar as shown and tighten 1st nut against bottom hitch bar (using a (2) 15/16" wrench). Start turning the 2nd 5/8-11 nut counter-clockwise (using a 15/16" wrench as if removing the nut from the bolt) until it's snug against the underside of the top hitch bar. Continue turning the nut to wedge the 2 bars apart until the ball hitch can slide in between the 2 bars. Remove the bolt, washers and nuts and assemble the ball hitch as described above (hardware to spread the hitch bars apart are not supplied with ball hitch kit).



Foot Notes

Contact Information

ABI Attachments, Inc
520 S. Byrkit Ave.
Mishawaka, IN 46544

Customer Support

Email: support@abiattachments.com
Phone: 877-788-7253
Website: www.abisupport.com

To order parts or to speak to one of ABI's Customer Service Representatives contact us Monday to Friday 9am to 5pm EST.

The setup video for operation is available at abisupport.com under Manure Spreader.

For additional information on the use or setup of this emplement, please contact the ABI customer support team at 855.211.0598.

Additional support videos are available at the ABI support page (abisupport.com) under each tool.

Warranty Information and Return Policy - Warranty and return policy information can also be found on the ABI support page under each tool. For additional questions regarding warranty or return policy, contact the ABI customer support team at 855.211.0598.