

pikrite

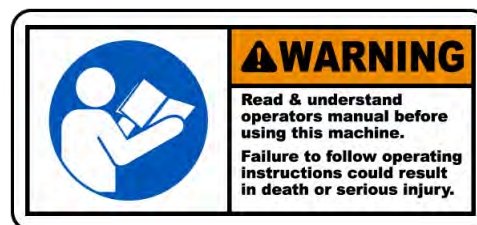
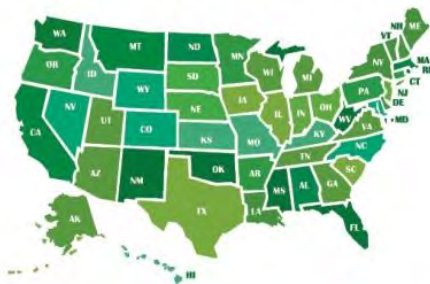
HP 500

Hydra-Pull
SPREADERS

OPERATION AND PARTS MANUAL



PROUDLY MADE IN THE USA



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The logo for Pikrite, featuring the word "pikrite" in a stylized, lowercase font with a horizontal line through the middle of the letters.The letters "HP" in a bold, sans-serif font.The number "500" in a large, bold, sans-serif font.The logo for Hydra-Pull, featuring the text "Hydra-Pull" in a stylized font with "SPREADERS" in smaller letters below it, and an illustration of a horse pulling a carriage.

Some illustrations may not represent the spreader model you have; however, the principles of operation and maintenance are the same. If you have questions specific to your spreader please contact your dealer.

SPECIFICATIONS AND DESIGN SUBJECT TO CHANGE WITHOUT NOTICE

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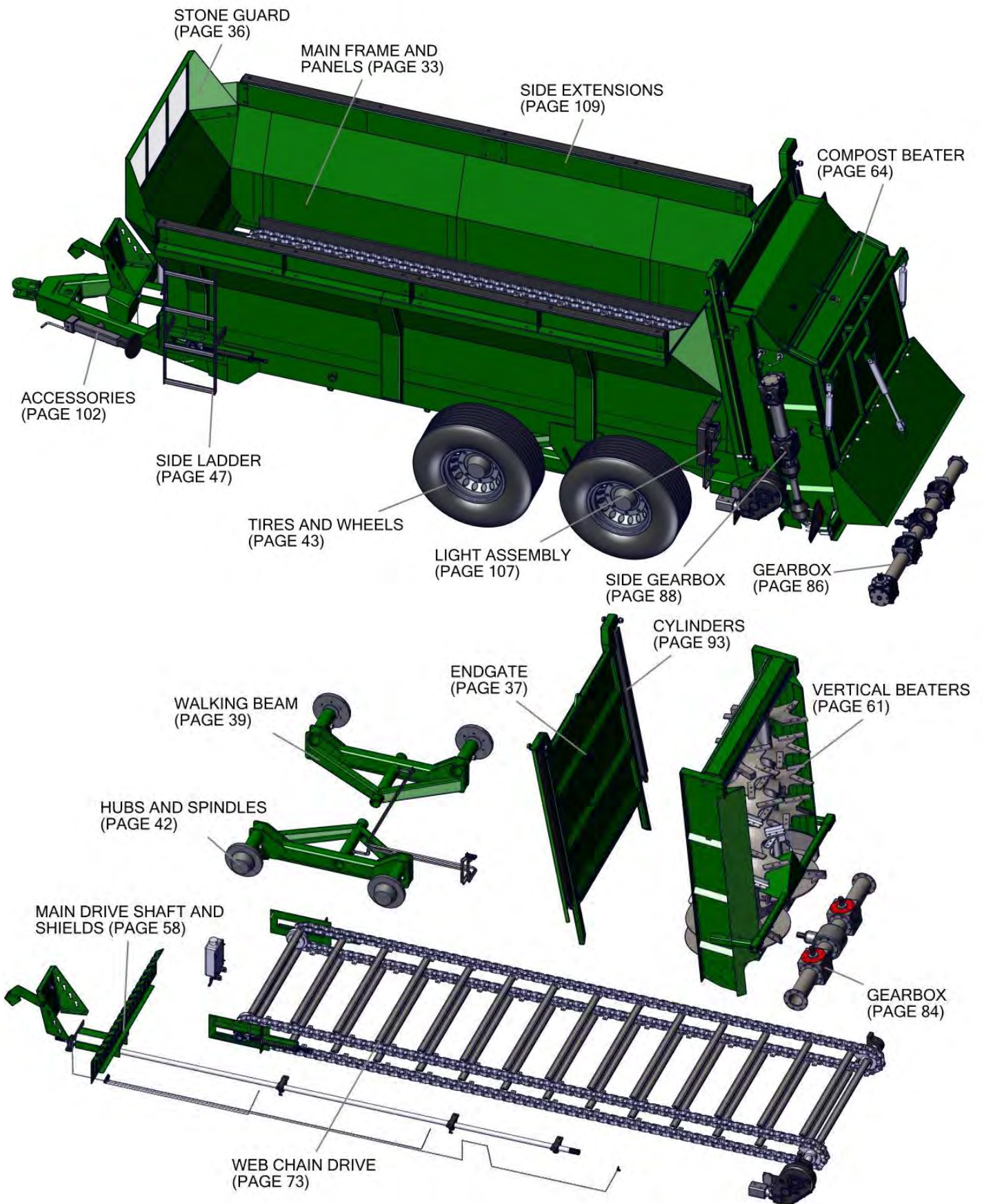
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TO THE NEW OPERATOR OR OWNER

Since 1986 Pik Rite equipment has been developed by people who work as hard as you do in the fields, on the farm and on site. Our goal is to deliver products that get the job done with the most efficient results. If you want tough, dependable people and products you can count on, we've got your back.

This manual is provided to all our customers of newly manufactured manure spreaders to create an awareness of all maintenance expectations and dangers that may be encountered when owning this equipment. This manual should be kept for all future references. Please review these operating instructions carefully, then sign and date the last page of this document and return it to Pik Rite Inc. for processing. This will activate your warranty and verify that you have read and understand the following operating instructions and warnings. In the event you have questions or encounter other applications not discussed in this manual, please call before proceeding.

Congratulations and Thank You for choosing a quality manure spreader manufactured by Pik Rite Inc. We believe you'll be very satisfied with the purchase, and we appreciate your patronage.

PRINCIPLES OF OPERATION

The Hydra-Pull series features heavy duty components throughout the entire spreader. With a pintle chain breaking strength of 60,000 lbs, a rugged steal box design, and poly board flooring for maximum strength and durability, this machine is designed to efficiently and uniformly spread manure.

Spring Tension Rollers – The spring loaded front idler rollers keep the chain secure and provides better chain tracking.

Two Piece Drive Sprocket – The pintle chain sprocket allows for service removal without completely disassembling the drive system.

Precision Application – Optional load cells in the spreader body allow the hydraulic drive to adjust speed for consistent output.



RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual be alert to the potential of physical injury.

Obey all safety messages that follow this symbol to avoid possibly injury or death.

UNDERSTAND SIGNAL WORDS

A signal word – DANGER, WARNING, or CAUTION – is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER indicates a hazardous situation which, if not avoided, **will** result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, **could** result in death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, **could** result in minor or moderate injury.

NOTICE is used to address practices not related to physical injury.

SAFETY INSTRUCTIONS are used to indicate specific safety-related instructions or procedures.



FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety labels.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

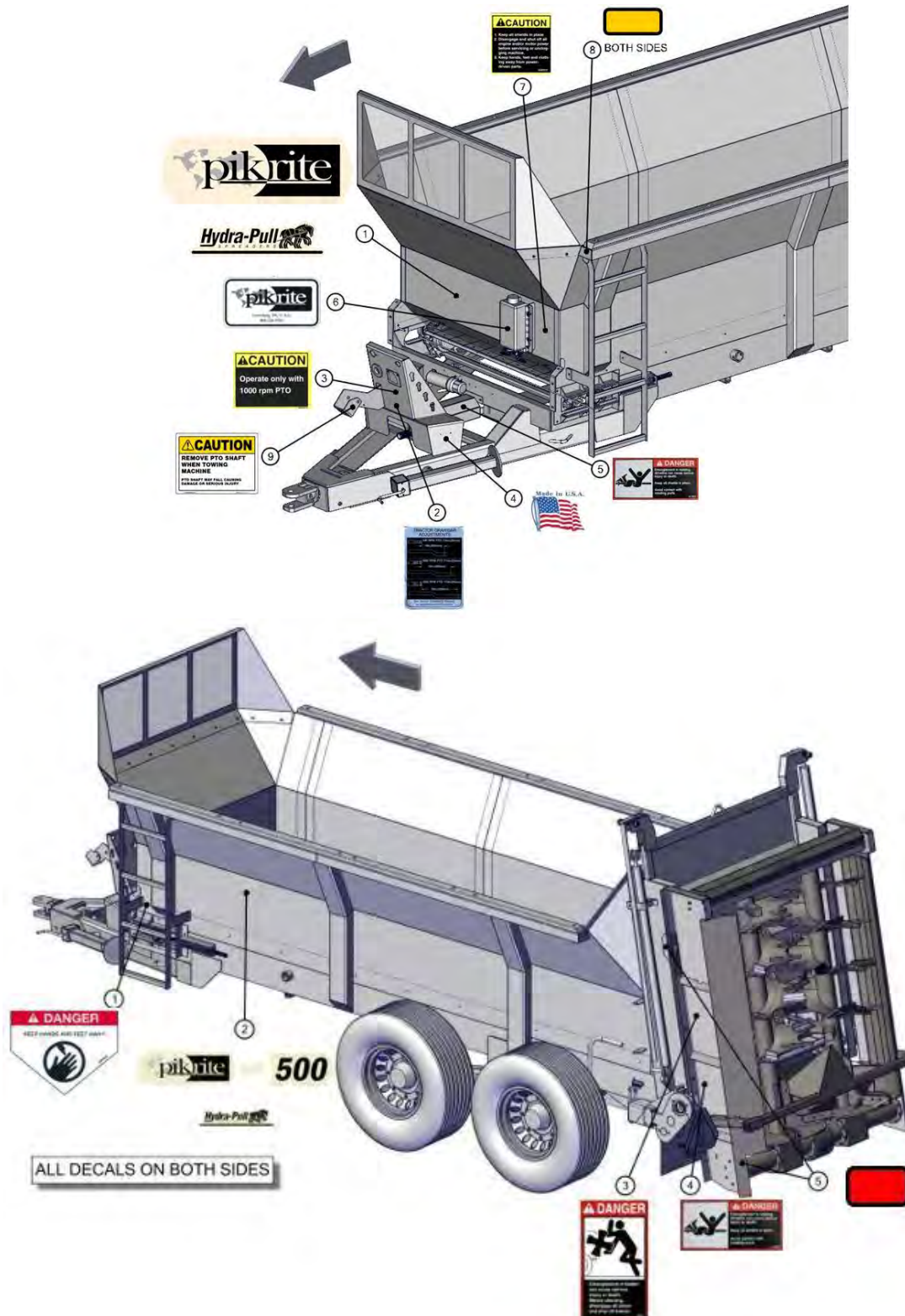
Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your Pik Rite dealer.



REPLACE SAFETY LABELS

Keep safety labels in good condition. Replace missing or damaged safety labels. Be sure new equipment components and repair parts include the current safety labels. Replacement safety labels are available from your Pik Rite dealer (See “Front Decals” and “Side Decals” in the Parts Manual for part numbers.)



SAFETY

DANGER KEEP SHIELDS IN PLACE

Do not operate spreader without safety shields in place.

Rotating parts can crush or dismember causing death or personal injury.

Disconnect PTO driveline and hydraulic lines from tractor before removing shields for adjustment or service.



WARNING PROTECT BYSTANDERS

Never operate the spreader near people.

Do not place rocks, timbers or other solid objects in the spreader. Objects can be thrown great distances causing injury to people.



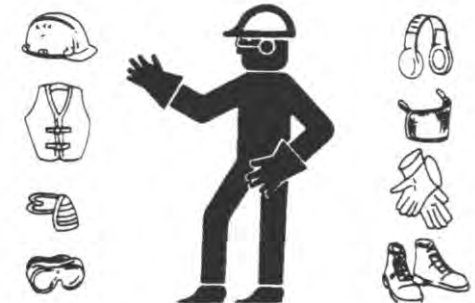
CAUTION WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.

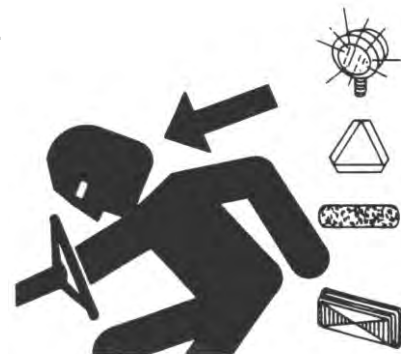


WARNING USE SAFETY LIGHTS AND DEVICES

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driven on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

Flashing warning lights and turn signals are recommended whenever driving on public roads. To increase visibility, use the devices provided with your machine. For some equipment, install extra flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items.





⚠️ WARNING KEEP RIDERS OFF MACHINE

Riders are subject to injury such as being struck by foreign objects and being thrown off the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner



SAFETY INSTRUCTIONS PARK SPREADER SAFELY

Park spreader on a level surface and block wheels.

Close endgate.

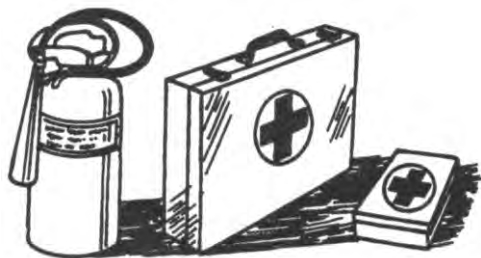
Secure jackstand with pin.

NOTICE PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



SAFETY INSTRUCTIONS USE A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar.

Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning.

See your Pik Rite dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine. Do not use safety chain for towing.



SAFETY

⚠ DANGER OPERATE SPREADER SAFELY

Rotating parts can entangle or strike people, resulting in death or personal injury.

Never enter a spreader while in operation.

Operate the spreader from the tractor seat only.

Do not exceed load capacity of the spreader. (See Transport section)

Reduce speed when turning or traveling on rough terrain. Avoid traveling over loose fill, rocks, ditches or holes.

When working on inclines or slopes, travel uphill or downhill. Keep tractor in gear when traveling downhill.



⚠ WARNING STAY CLEAR OF RAISED ENDGATE

Contact with a lowering endgate can cause death or personal injury.

Lower endgate and disconnect hydraulic lines before servicing or adjusting.



⚠ WARNING STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



⚠ DANGER STAY CLEAR OF ROTATING BEATER

Rotating beater can entangle or strike causing death or personal injury.

Do not clean out or service spreader while beater is rotating.

Disconnect PTO driveline and make sure all parts have stopped rotating before cleaning or servicing.

Do not cut or weld on vertical beater attachment.
Serious injury or death could occur when operating.





WARNING AVOID HIGH-PRESSURE FLUIDS



Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.

SAFETY INSTRUCTIONS

SERVICE SPREADER SAFELY



To help prevent personal injury caused by unexpected movement, be sure to service spreader on level surface.

If spreader is connected to tractor, disengage PTO, engage parking brake and/or place transmission in "PARK," shut off engine and remove key.

If spreader is detached from tractor, block wheels and use safety stands to prevent movement.

Replace all shields after lubricating or servicing.

SAFETY INSTRUCTIONS

REDUCE SPEED WHEN TOWING LOADS



Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load weighs more than the tractor and is not equipped with brakes.

Follow recommended speed-weight ratio guidelines:

- Maximum speed is 20 mph (32 km/h) when towing loads equal to or less than the tractor.
- Reduce speed to 10 mph (16 km/h) when towing loads more than equal and up to double the tractor weight.
- Do not tow loads exceeding double the tractor weight.
- Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines

PREPARING THE TRACTOR

NOTICE APPROVED TRACTORS, MODEL HP500

Row Crop Tractors with 150 HP PTO rating or larger are approved for operation with the HP500 Spreader.

Utility Tractors are **NOT APPROVED** because of drawbar weight limitations and the inability to ballast the tractor enough to meet requirements for towing.

A drawbar support is required on any tractor with a drawbar size of no less than 1-1/2 x 3 in.

Tractor hydraulic oil reservoir must have capacity for 3.7 U.S. gal. net draw for a spreader with an endgate or 3.1 U.S. gal. without an endgate.

Tractor standby hydraulic pressure must be 1500 psi minimum.

Two selective control valves are required to operate the spreader.

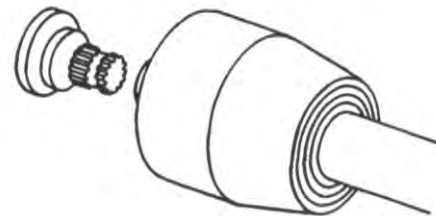
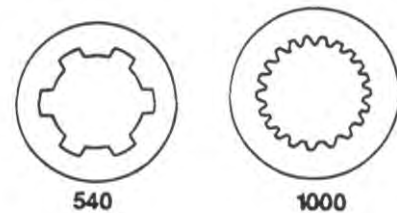
NOTICE CHOOSING CORRECT PTO SPEED

MODEL – HP500 – 1000 RPM ONLY

Drive components can be damaged.

Under no circumstances should a machine equipped for 540 rpm PTO be operated by a tractor equipped with 1000 rpm PTO.

Nor should a 1000 rpm PTO machine be operated with a tractor equipped with 540 rpm PTO.

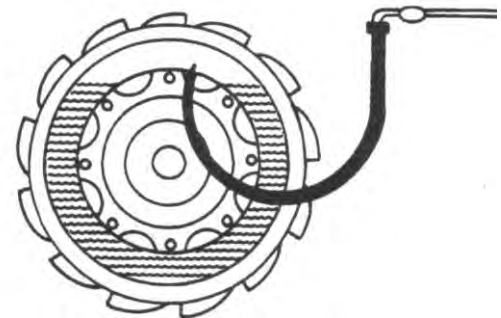


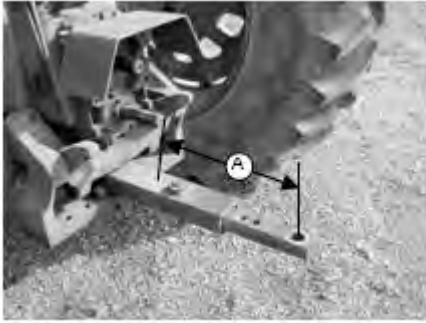
NOTICE BALLASTING THE TRACTOR

Do not tow loads that weigh more than twice the tractor weight.

(See Recommended Maximum Towing Speed in Transport section.)

To ensure proper stability, adjust ballast and wheel spacing according to tractor operator's manual.





SAFETY INSTRUCTIONS

POSITIONING DRAWBAR

Tractor PTO and machine driveline can be damaged. Be sure drawbar length is properly set. If equipped with clevis, remove it. Lock drawbar along tractor centerline with offset down.

Remove clevis if equipped.

PTO Speed

Dimension (A)

1000 rpm x 1-3/8 406 mm (16in.)

1000 rpm x 1-3/4 508 mm (20in.)

Adjust drawbar length (A) to help prevent driveline damage.

A tractor drawbar support is required on tractors with a drawbar size of 1-1/2 x 3 in. minimum

SAFETY INSTRUCTIONS

USING SELECTIVE CONTROL LEVERS TO CONTROL CHAIN SPEED

Floor and moving panel speed can be controlled by using tractor selective control lever to extend and retract cylinders.

Adjust selective control valve lever to provide the slowest operating speed. (See your tractor operator's manual).

Maximum hydraulic oil flow through the spreader control valve is 15 gpm. Trying to force through more oil than this, may create a pressure drop.

SAFETY INSTRUCTIONS

SETTING HYDRAULIC SPEED ENDGATE OPERATION

Excessive operating speed may cause machine damage. Adjust selective control valve lever to provide correct operating speed.

Adjust selective control valve lever, it should take two to three seconds to fully extend or retract the cylinder. (See your tractor operator's manual).

SAFETY INSTRUCTIONS

CHECKING TRANSMISSION/HYDRAULIC OIL LEVEL

Cycle all hydraulic cylinders fully two or three times.

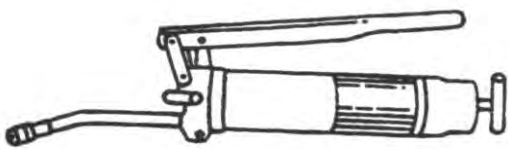
Fully retract all cylinders.

Check transmission/hydraulic oil level. (See your tractor's Operator's Manual)

PREPARING THE SPREADER

NOTICE LUBRICATING THE MACHINE

Be sure the machine has been adequately lubricated.
(See Lubrication and Maintenance page.)



NOTICE BRAKE ADJUSTMENT (HYDRAULIC)

(Contact your Hydra-Pull Dealer for available brake kit)



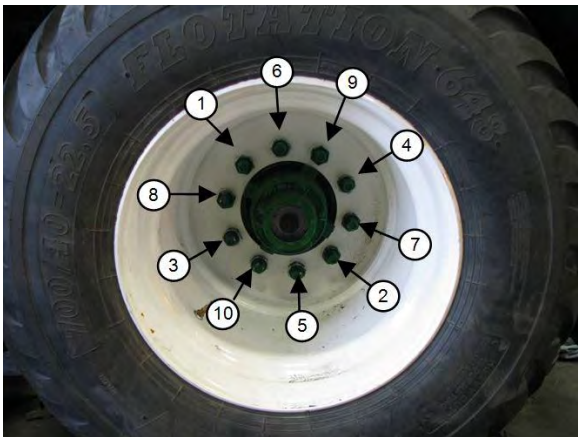
SAFETY INSTRUCTIONS TIGHTENING WHEEL HARDWARE

Operating the spreader with loose wheel hardware will damage the hub or wheel. Tighten hardware after initial transport, after one hour of operation and every fifty hours thereafter.

Tighten to 420 lb-ft of dry torque (310 lb-ft wet) in the sequence shown.

Tire Size	Wheel Size	Tire Pressure
550/60-22.5 Implement	22.5 x 16	40 psi
425/65R22.5 Truck Tires	22.5 x 11.75	115 psi

(Additional options may be available, please contact your dealer for more information)



SAFETY INSTRUCTIONS CHECKING TIRES

- 1. Check tires daily for damage or noticeably low pressure.
- 2. Repair any cuts or breaks as soon as possible.
- 3. Protect tires from exposure to sunlight and petroleum products or chemicals.



SAFETY
INSTRUCTIONS**OPERATING THE BEATER**

To start beater, engage PTO lever slowly, at low engine rpm.

To stop beater, disengage PTO. (See your tractor's Operator's Manual)

For best spreading results, operate the tractor engine at "PTO RATED" speed.

Do not operate the apron chain without running the beaters as this may damage the spreader.

SAFETY
INSTRUCTIONS**OPERATING THE ENDGATE**

Contact of apron chain running with endgate closed will cause damage. To avoid contact with apron chain, endgate must be raised when running.

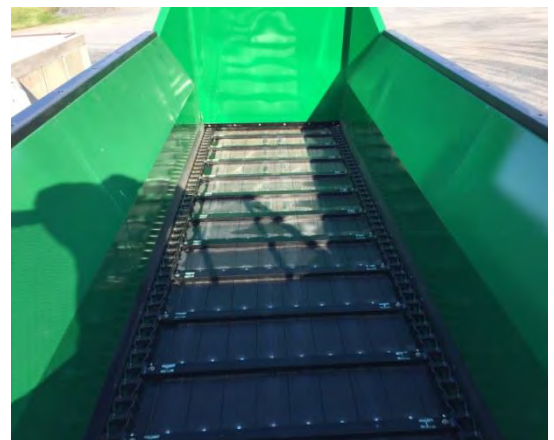
Operate the endgate with the second auxiliary control valve lever.

SAFETY
INSTRUCTIONS**OPERATING APRON CHAIN**

To run apron chain lock hydraulic control lever in operating position on tractor.

See your tractor's operating manual for information on how to control flow rates of your hydraulic system.

Maximum hydraulic oil flow through the spreader apron chain motor is 15 gpm. Trying to force through more oil than this may cause serious damage to motor (relief factory set at 1250 psi)



ATTACHING THE SPREADER

CAUTION ATTACHING THE SPREADER

Help prevent personal injury caused by unexpected movement of the machine. Engage parking brake and/or place transmission in "PARK", shut off engine, and remove key before working around hitch.

1. Attach with a 1-1/2 in. pin and secure.

Shorten safety chain to allow only enough slack required for turning.

2. Lock safety hook onto chain.



SAFETY INSTRUCTIONS CONNECTING AIR HOSES (AIR ASSIST BRAKES)

1. Connect red line to supply port.
2. Connect blue line to service/control port.



SAFETY INSTRUCTIONS CONNECTING HOSES (HYDRAULIC BRAKES)

1. Connect pressure hoses to pressure ports of hydraulic remote coupler.
2. Connect return hoses to return ports of hydraulic remote coupler.

(Relief factory set 1000psi)

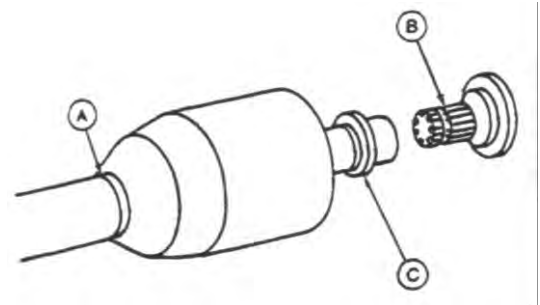


SAFETY INSTRUCTIONS ATTACHING DRIVELINE

Avoid causing damage to shielding,

DO NOT use bell on driveline to lift driveline into position.

1. Support driveline, cradling it in your hand.
2. Rotate driveline (C) or tractor PTO (B) to align splines.
3. Pull collar (C) rearward and push forward on bell (A) to engage driveline yoke with tractor PTO (B).
4. Pull back on PTO driveline shielding to be sure driveline is locked. **DO NOT** pull on collar, this will release latch.



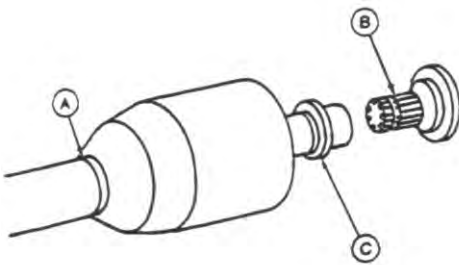
DETACHING THE SPREADER



SAFETY INSTRUCTIONS

DETACHING SPREADER

1. Secure jack stand in lift position
2. Detach safety chain
3. Remove hitch pin
4. Disconnect hoses. Store on spreader



SAFETY INSTRUCTIONS

DETACHING DRIVELINE

1. Support driveline (A) and pull rearward on collar (C) to release driveline from tractor PTO (B).
2. When possible store driveline in driveline cradle provided with machine.
3. Replace tractor PTO shields.

TRANSPORT

SAFETY INSTRUCTIONS

USING A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar while transporting. Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning. See your Pik Rite dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine.

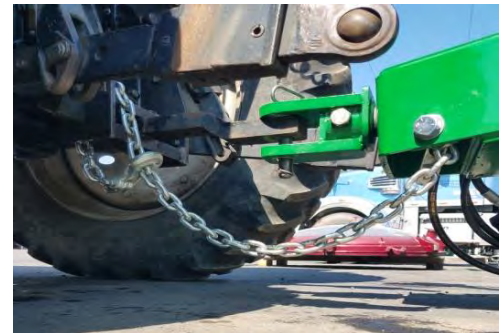


NOTICE

LIGHTING

When transporting the machine on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. Check local governmental regulations. Keep safety items in good condition. Replace missing or damaged items.

(Contact your Hydra-Pull Dealer for available lighting kit)



SAFETY INSTRUCTIONS

TOWING LOADS

Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load is not equipped with brakes and weighs more than the tractor.

Follow recommended speed-weight ratio guidelines:

- Maximum speed is 20 mph (32 km/h) when towing loads equal to or less than the weight of the tractor.
- Reduce speed to 10 mph (16 km/h) when towing loads more than or up to double the tractor weight.
- **DO NOT** tow loads that exceed double the tractor weight.
- Use additional caution when towing loads under adverse road surface conditions (i.e. slippery or rough), when turning and/or on inclines.
- For proper tractor size and towing speed see the following "Recommended Maximum Towing Speed" chart.
- If necessary, add ballast as described in your tractor's Operator's Manual.



NOTICE**RECOMMENDED MAXIMUM TOWING SPEED**

Tractor Weight	*	**	***	****
(0-2997 lb)	Do Not Tow	Do Not Tow	Do Not Tow	Do Not Tow
(2998-5950 lb)	Do Not Tow	Do Not Tow	Do Not Tow	Do Not Tow
(5951-11021 lb)	Do Not Tow	Do Not Tow	Do Not Tow	Do Not Tow
(11022-12123 lb)	Do Not Tow	Do Not Tow	Do Not Tow	Do Not Tow
(12124-14769 lb)	Do Not Tow	Do Not Tow	Do Not Tow	Do Not Tow
(14770-22044 lb)	Do Not Tow	Do Not Tow	Do Not Tow	Do Not Tow
(22045-24910 lb)	(20 mph)	(10 mph)	(10 mph)	(10 mph)
(24911-29540 lb)	(20 mph)	(10 mph)	(10 mph)	(10 mph)
(29541 lb-Up)	(20 mph)	(10 mph)	(10 mph)	(10 mph)

**Base Spreader Empty Load*

***Load struck level consisting of manure with high liquid content.*

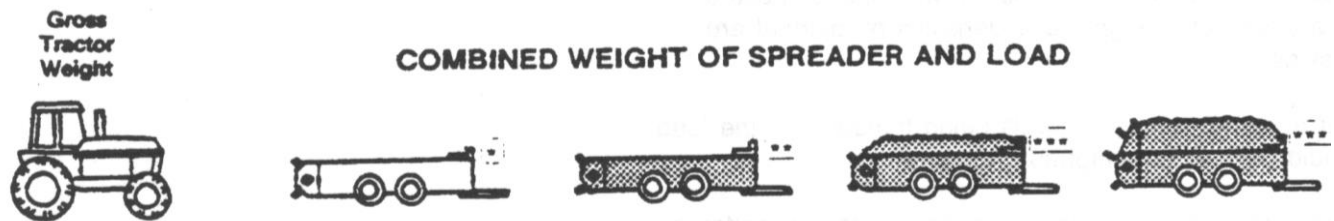
Calculated at 70 lb/cu ft

****Load piled 381 mm (15 in.) above beater consisting of semi-solid type manure*

Calculated at 55 lb/cu ft

*****Load piled at 15 in. above optional upper beater consisting of semi-solid type manure.*

Calculated at 55 lb/cu ft



OPERATING THE SPREADER

SAFETY INSTRUCTIONS

PREOPERATING CHECKS

1. Be sure spreader does not contain any foreign objects
2. Check for correct hydraulic hookup. Raise endgate fully. Engage beaters, engage apron chain
3. Disengage apron chain, disengage beaters
4. Close endgate

CAUTION LOADING THE SPREADER

Do not place rocks, timbers, or other solid objects in the spreader. Objects of this nature can damage the spreader and could also be thrown great distances causing possible injury to anyone standing in the vicinity.

Load front of spreader first, distributing load evenly.

When operating without an endgate, avoid loading manure against the beater.



CAUTION PREPARE TO UNLOAD THE SPREADER

Help prevent personal injury. Be sure no one is near spreader and tractor before operating.

Start beater by engaging PTO slowly at low engine rpm. Increase to "PTO RATED" speed.

For best spreading results, operate tractor at "PTO RATED" speed.

Do not operate apron chain without running the beaters as this may damage the spreader.



NOTICE RAISE ENDGATE

Contact of apron chain with endgate will cause damage. To avoid contact with apron chain, endgate must be raised fully.

The endgate closes off the back end of the spreader to contain manure with high liquid content.

The endgate also prevents solid material from being piled tight against the beater.



SAFETY INSTRUCTIONS UNLOADING SPREADER USING METERING VALVE

1. Set flow control on tractor hydraulics obtain desired rate of unload speed.

Rate of spread is affected by both ground speed and unload speed. Experience will help you determine both gear selection and control knob setting.

2. When spreader is empty, disengage apron chain, disengage PTO, and lower endgate.

SAFETY INSTRUCTIONS PRODUCING GOOD SPREADING RESULTS

1. Operate tractor engine at “PTO RATED” speed.
2. Do not overload beater. A clumpy spread pattern will result from too fast of an unload rate.
3. When operating without an endgate, avoid loading material against the beater. Otherwise, large clumps of material will be thrown out during the first few turns of the beater.

NOTICE CLEANING SPREADER IN COLD WEATHER

When operating the spreader during extended periods of subfreezing temperatures, frozen material may build up on steel surfaces. This can prevent the beater from moving.

After completing spreading for the day, use the following cleaning procedure.

Cleaning is only necessary during extended periods of subfreezing temperatures.

Remove material along edges of apron chain

Remove material buildup from endgate panel. Keep endgate arms clean to prevent freezing to side rails.

OPERATING THE SPREADER

NOTICE CLEAN WALKING BEAM

When tire valve stems are mounted towards the inside, clean top of walking beams to prevent valve stem damage.



NOTICE WARMING HYDRAULIC OIL TEMPERATURES BELOW 0°F (-18°C)

It is necessary to warm the hydraulic oil for proper spreader operation.

Follow the procedures in your tractor's Operator's Manual for warming hydraulic oil.

The following procedures apply only to tractors with a closed center hydraulic system.



NOTICE BYPASSING SPREADER CONTROL VALVE

There will be a large hydraulic oil pressure drop across the auxiliary flow control valve when the oil is cold. Oil pressure available to hydraulic cylinders may be too low.

Try cycling the cylinders several times slowly so the cold oil in the cylinders is mixed with the warm oil in the tractor. In the event of extreme cold; you may need to bypass the control valve to do this. Be sure you begin by moving the cylinders very slowly.

Reconnect hoses to flow control valve.



CAUTION LUBRICATING AND MAINTAINING SPREADER

Help prevent personal injury caused by unexpected movement of the machine. If spreader is connected to tractor, disengage PTO, engage parking brake and/or place transmission in "PARK", shut off engine, and remove key. If spreader is detached, block wheels and use safety stands.

Replace all shields after lubricating or servicing.

NOTICE OBSERVING INTERVALS

The intervals recommended are based on normal conditions. Severe or unusual conditions may require more frequent attention.

NOTICE SELECTING GREASE

Depending upon the expected air temperature range during the service interval, use grease as shown on the adjusting temperature chart.

SAE-Multipurpose High Temperature Grease with Extreme Pressure [EP] Performance with 3 to 5% molybdenum disulfide.

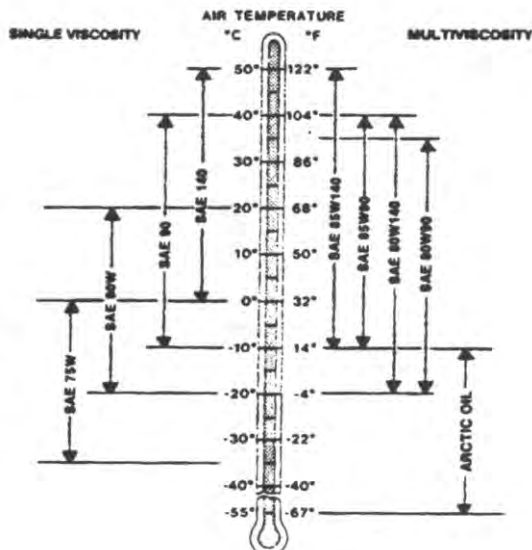
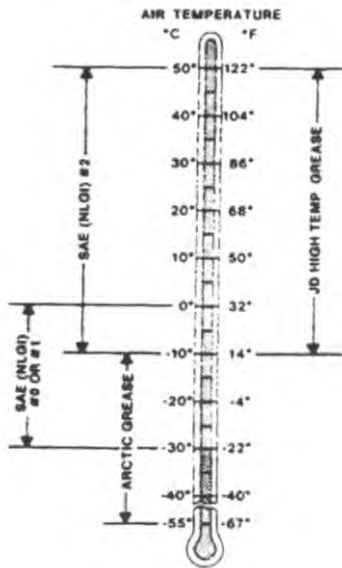
Moly-type grease is recommended, however, if not available, multipurpose grease is acceptable.

NOTICE SELECTING GEAR CASE OIL

Depending upon the expected air temperature range during the drain interval, use oil viscosity shown on the adjoining temperature chart.

- API Service Classification GL-5
- Military Specification MIL-L-2105B
- Military Specification MIL-L-2105C

At temperatures below -35° [-31°], use arctic oils such as those meeting Military Specifications MIL-G-10324A.



LUBRICATION AND MAINTENANCE

NOTICE SERVICE INTERVALS

- Change gearbox lubricant every 6,000 loads

EVERY 8 HOURS

- Lubricate driveline
- Check gear case oil level
- Check tires
- Check axle hub oil

EVERY 40 HOURS

- Lubricate top beater bearings
- Grease apron chain drive bearings & sprockets

EVERY 50 HOURS

- Adjust apron chain
- Tighten wheel hardware
- Lubricate walking beam pivots

EVERY 250 HOURS

- Lubricate endgate pivots

SERVICE AS REQUIRED

- Adjust apron chain tension
- Slip the clutch

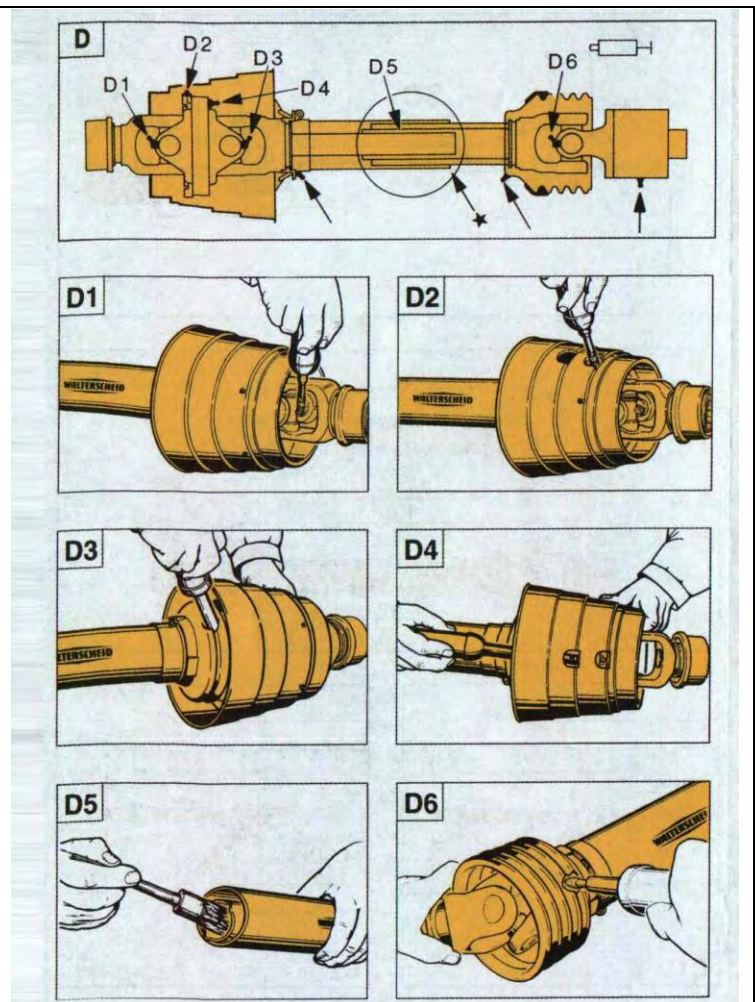
In addition to the above referenced information, you are working with a central lube CV design on the primary that contains a special lubrication provision that needs to be well defined for the user so that extended life on the CV can be achieved.

The key point is that each CV has one zerk in a bearing cap and it is this zerk that is most important since it feeds the inboard cross kit as well as the the ball and socket of the CV. The user needs to understand that the zerk in the cap should receive **15-20 pumps** of grease each day while the other zerks in the joint

CV housing and telescoping members can operate with 5-6 pumps or until the seals purge. The plastic zerks feeding the shielding should also receive 3-4 pumps daily if shields are being restrained.

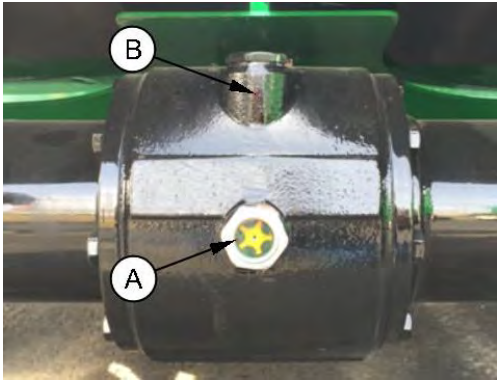
Primary Driveline (to Tractor) Lubricate fittings D1 through D6 every eight hours of operation.

Secondary Driveline (under spreader) Lubricate as above including overrunning clutch.



NOTE: Lubrication step D5 is only necessary when driveline does not have grease fitting. Separate front and rear halves of driveline and brush with grease.

LUBRICATION AND MAINTENANCE



NOTICE

CHECK GEAR CASE OIL LEVEL

With spreader on level ground, check oil level at the sight glass on the center gearcase "A"

Add recommended oil as needed. (See Selecting Gear Case Oil)
To add oil, remove fill cap at the top of the gearcase "B"

NOTICE

GREASE TOP BEATER BEARINGS

Grease the two bearings at the top of the vertical beaters every 8 hours of operation. Rear grease bank on beater side panel



SAFETY INSTRUCTIONS

CHECKING TIRES

1. Check tires daily for damage or noticeably low pressure.
2. Repair any cuts or breaks as soon as possible.
3. Protect tires from exposure to sunlight and petroleum products or chemicals.

<u>Tire Size</u>	<u>Wheel Size</u>	<u>Tire Pressure</u>
550/60-22.5 Implement	22.5 x 16	40 psi
425/65R22.5 Truck Tires	22.5 x 11.75	115 psi

LUBRICATION AND MAINTENANCE

SAFETY INSTRUCTIONS

LUBRICATE WALKING BEAM PIVOTS

1. Place a jack under the spreader main frame.
2. Raise spreader enough to relieve weight from walking beam.
3. Lubricate grease bank (A) with Moly High Temperature/Extreme Pressure Grease.



NOTICE TIGHTENING WHEEL HARDWARE

Operating the spreader with loose wheel hardware will damage the hub or wheel. Tighten hardware after initial transport, after one hour of operation, and every fifty hours thereafter.

Tighten to 420 lb.-ft. in the sequence shown.



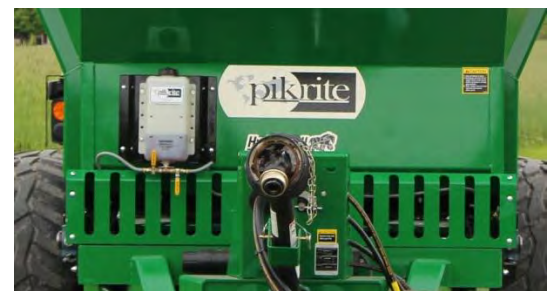
NOTICE TIGHTENING THE CHAIN

1. Loosen the jam nut at the bearing enough to adjust.
2. Tighten the nut at the end of the threaded rod so the spring length is 10" (between the plates).
3. Retighten the jam nut.



NOTICE LUBRICATE CHAIN DRIVE

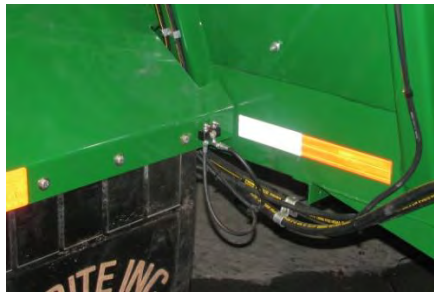
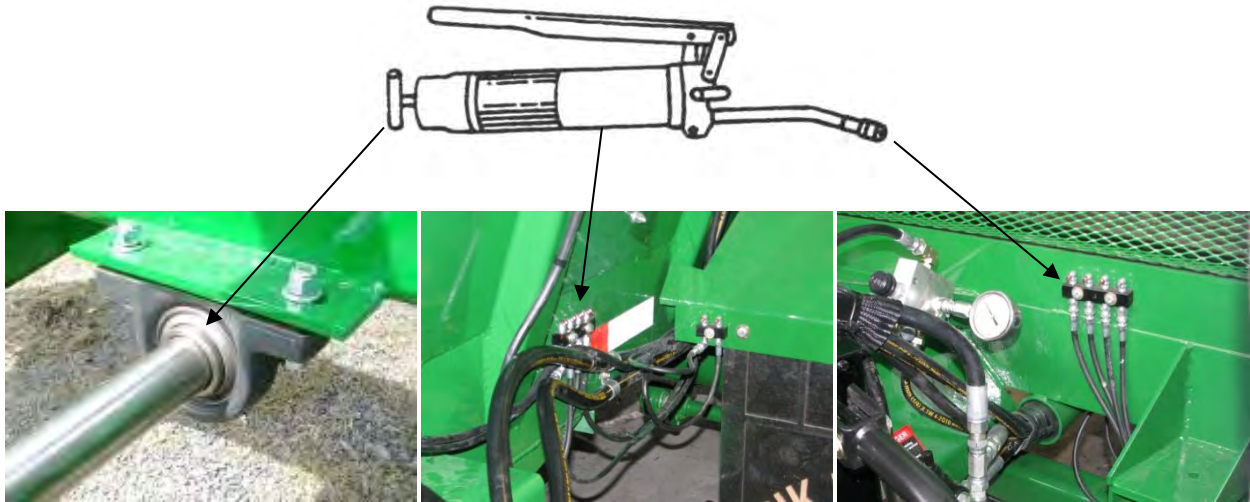
Before long periods of storage, always oil the chain. Run the chain with both ball valves fully open for 5 minutes. Approximately usage will be a quart of oil every lubrication cycle



LUBRICATE THE SIX PILLOW BLOCKS

Located under the spreader, they carry the main power shaft, using central grease location

Lubricate grease fitting with Moly High Temperature/Extreme Pressure Grease



LUBRICATE WALKING BEAMS

Using grease banks attached to the rear fenders (two on each side).



MAINTAINING SLIP CLUTCH, WALTERSCHEID

The clutch is preset and is not field adjustable

If you determine that your slip clutch needs maintenance or adjustment, contact your dealer



LUBRICATE HITCH

Every 40 hours

SPECIFICATIONS

TRACTOR SIZE

Minimum recommended	150 hp PTO
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WEIGHT

Spreader, Complete with Implement tires And all Attachments	13,140 lb
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LOAD CAPACITY	27,500 lb
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VOLUME CAPACITY

Struck Level	425 cu. ft.
Heaped Load	622 cu. ft.
With Side Extensions	adds 99.5 cu. ft / 80 bu

BEATER SPEED	420 rpm
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UNLOADING SPEED	
Infinitely Variable	0-15.21 ft/min

DRIVELINE	
Shielded	1000 rpm

SPECIFICATIONS AND DESIGN SUBJECT TO CHANGE WITHOUT NOTICE

DIRECTION ARROWS



ARROWS ARE USED WITH ILLUSTRATIONS TO INDICATE THE FRONT OF THE UNIT. "RIGHT-HAND" AND "LEFT-HAND" SIDES ARE DETERMINED BY FACING THE DIRECTION OF MACHINE FORWARD TRAVEL.

REFERENCE NUMBER IDENTIFICATION

REF NO.	DESCRIPTION
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000-099	PARTS USED FOR ASSEMBLY
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100-199	BOLTS AND FASTENERS
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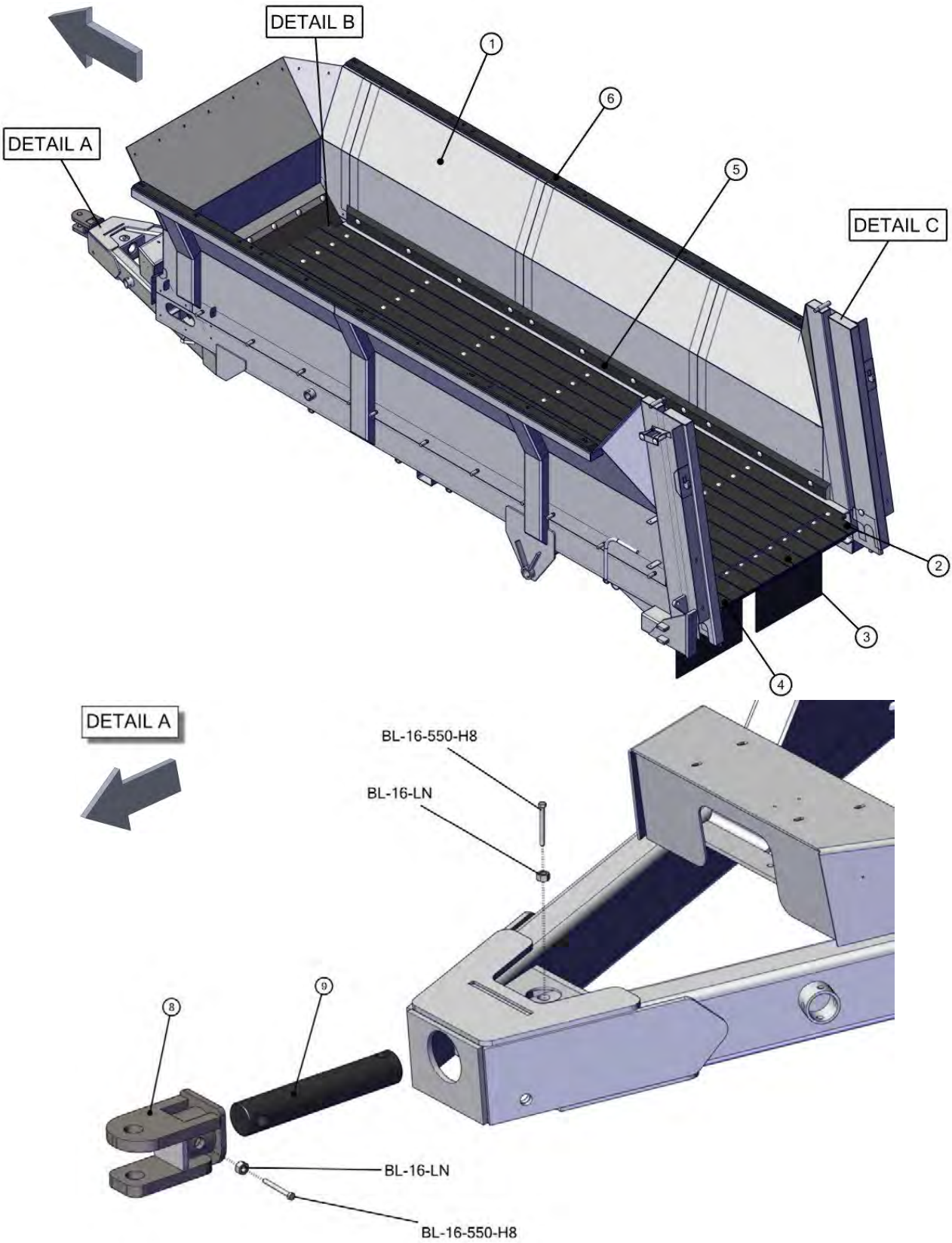
200-299	ELECTRICAL COMPONENTS
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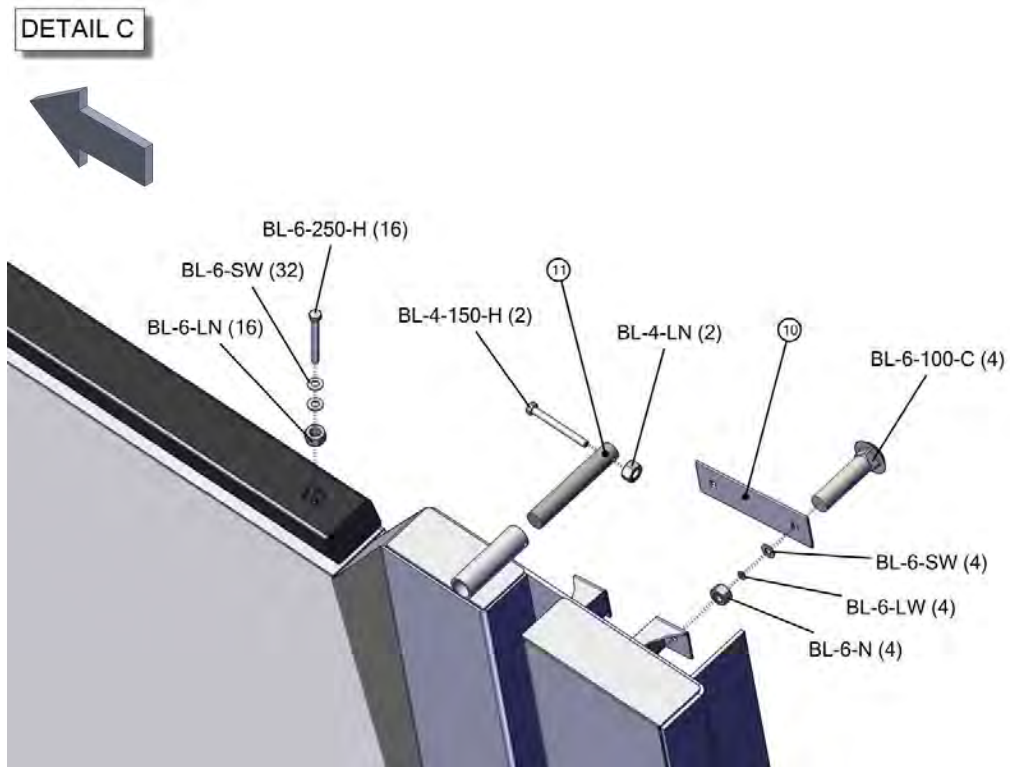
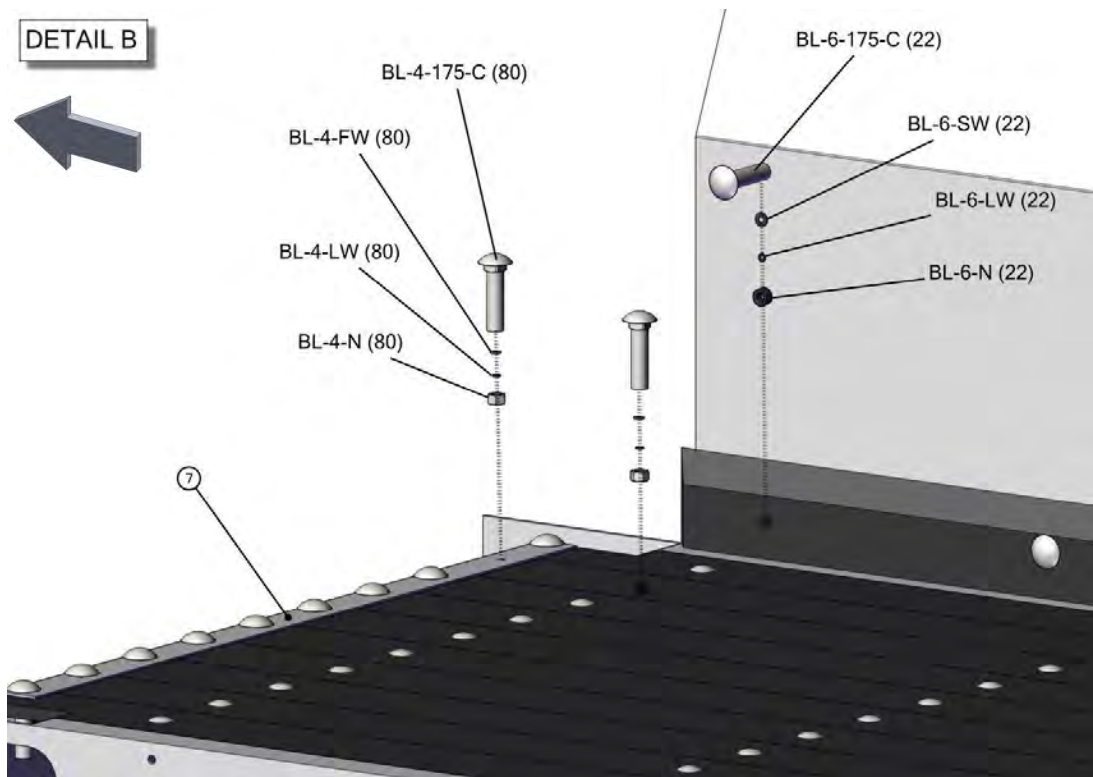
800-899	REPLACEMENT PARTS (USED TO REPAIR ASSEMBLIES)
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74319-1-01 MAIN FRAME AND PANELS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70254	Main Frame	1		
2	PR70272	Poly Floor Board, RH	1		
3	PR70517	Poly Floor Board, HP380, HP500	8		
4	PR70274	Poly Floor Board, LH	1		
5	PR70295	Bumper, Bottom Rail, HP380, HP500	2		
6	PR70396	Bumper, Top Rail Poly	2		
7	PR70307	Front Floor Trim	1		
8	PR70097	Hitch	1		
9	PR63101	Hitch Shaft, Hardened, Long	1		
10	PR70293	Cylinder Bracket	2		
11	PR70302	Endgate Pin	2		
100	BL-4-150-H	1/4-20 X 1-1/2 HEX CAP G5 ZC	2		
101	BL-4-175-C	1/4' UNC X 1 CARRIAGE BOLT GR5 ZINC	80		
102	BL-4-FW	1/4 USS FW ZC	80		
103	BL-4-LN	1/4-20 HEX LN NE ZC	2		
104	BL-4-LW	1/4 SPLIT LW ZC	80		
105	BL-4-N	1/4-20 HEX FIN NUT ZC	80		
106	BL-6-100-C	3/8-16 X 1 CARRIAGE BOLT G5 ZC	4		
107	BL-6-175-C	3/8-16 X 1-3/4 CARRIAGE BOLT G5 ZC	22		
108	BL-6-250-H	3/8-16 X 2-1/2 HH C/S G5 ZC	16		
109	BL-6-LN	3/8-16 FIN H LN NE A563 GA ZC	16		
110	BL-6-LW	3/8 SPLIT LW ZC	26		
111	BL-6-N	3/8-16 HEX NUT ZC	26		
112	BL-6-SW	3/8 SAE FW ZC	58		
113	BL-16-550-H8	1-8 X 5-1/2 BOLT HH C/S G8 ZC	2		
114	BL-16-LN	1 LN w/ NYLON INSERTS	2		

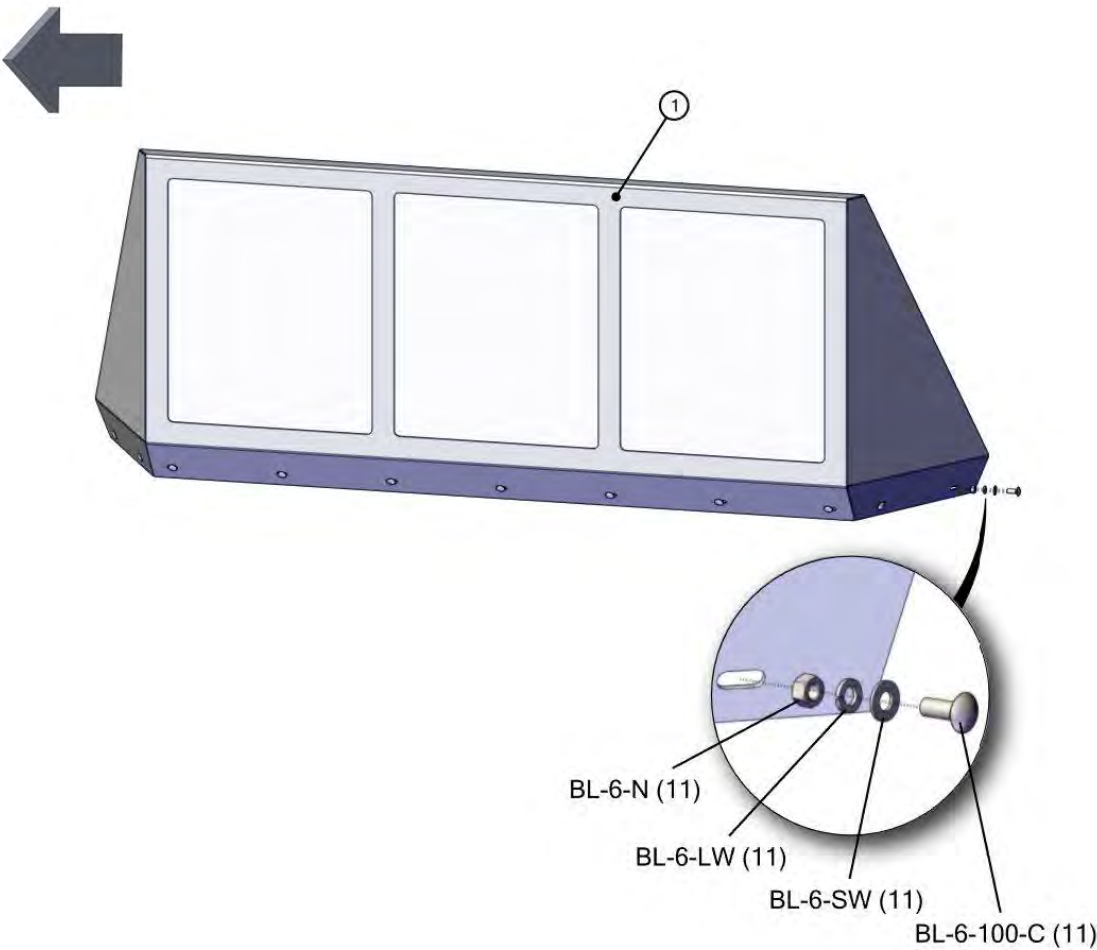
74319-1-01 MAIN FRAME AND PANELS





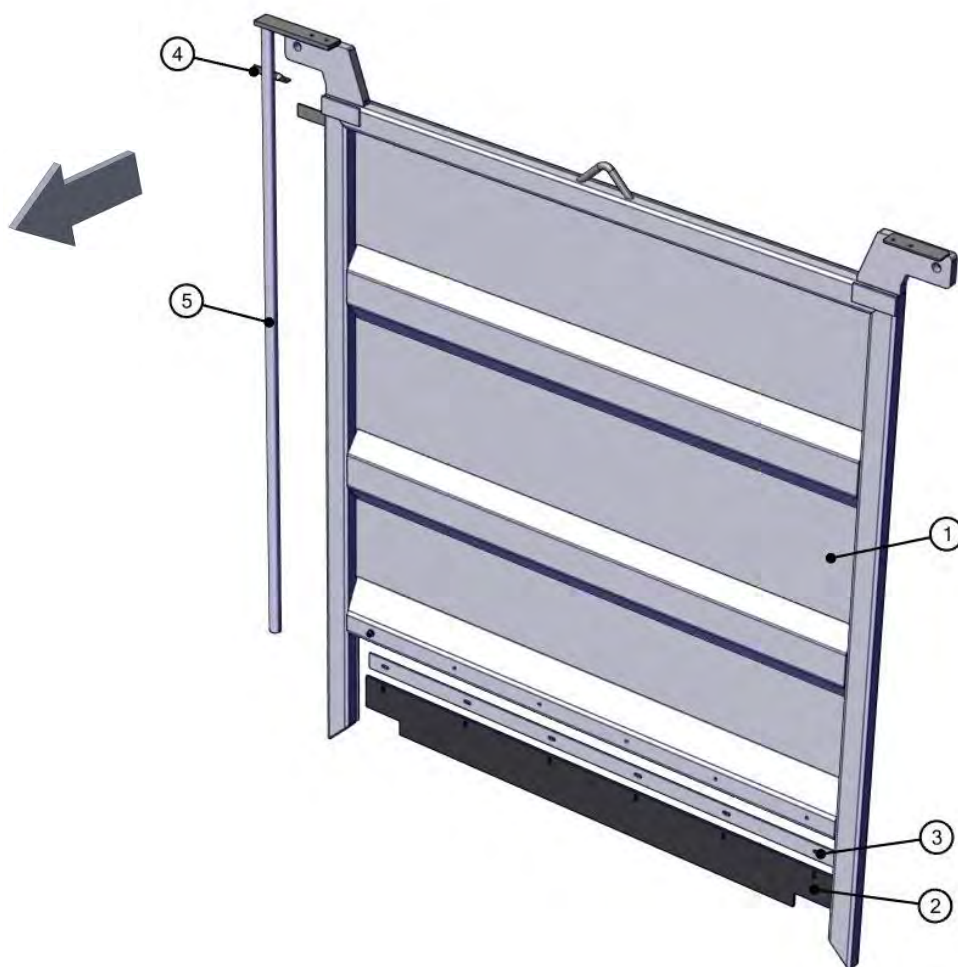
74318-1-02 STONE GUARD

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70386	Rock Guard	1		
100	BL-6-100-C	3/8-16 X 1 CARRIAGE BOLT G5 ZC	11		
101	BL-6-SW	3/8 SAE FW ZC	11		
102	BL-6-LW	3/8 SPLIT LW ZC	11		
103	BL-6-N	3/8-16 HEX NUT ZC	11		



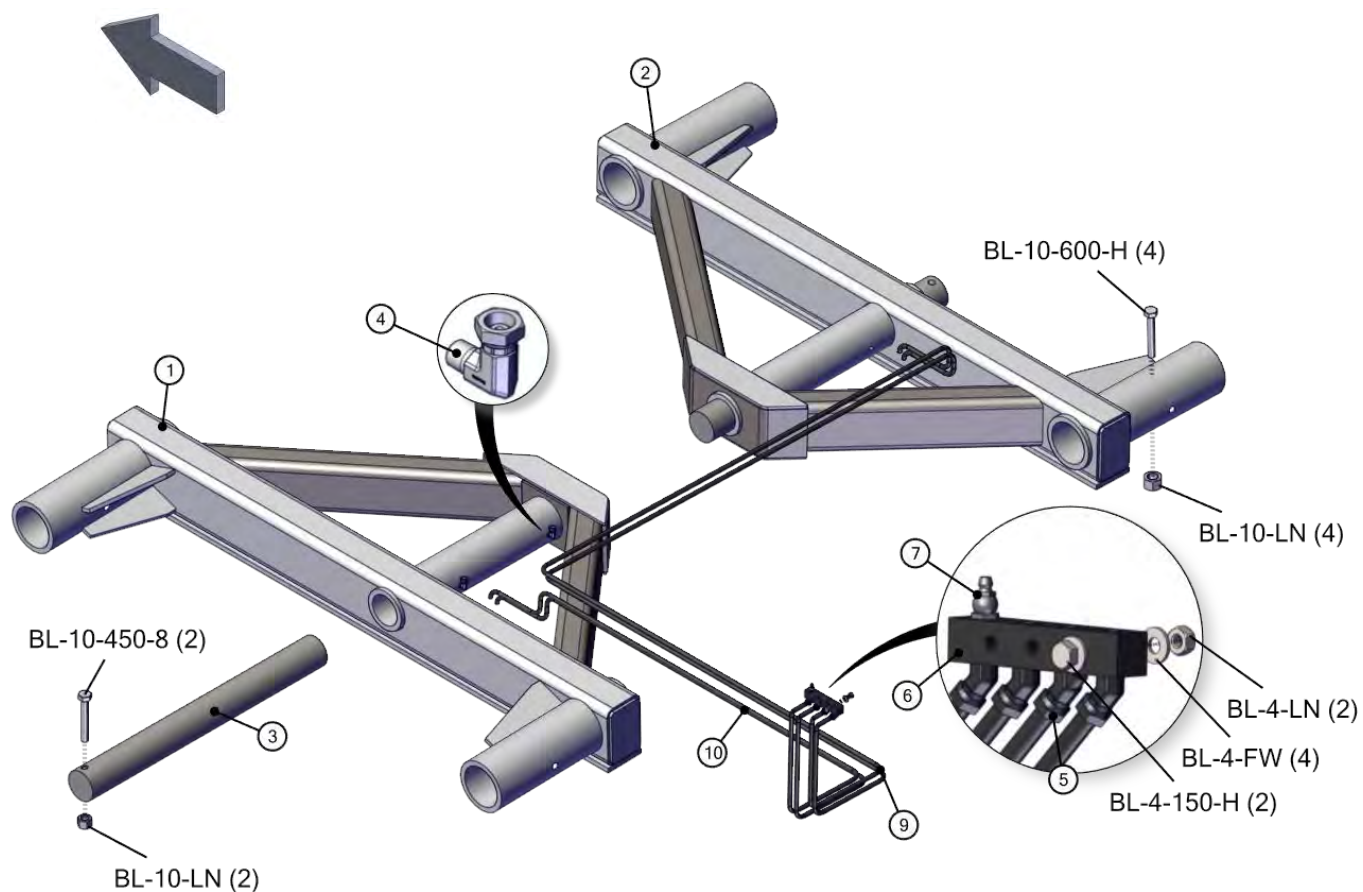
74319-1-03 GUILLETINE ENDGATE

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70452	Guillotine Gate, lower mounts	1		
2	PR70282	Gate Belting	1		
3	PR70284	Belting Bar	1		
4	PR70510	Endgate Indicator	1		
5	PR70365	Measuring Stick	1		
6	DC-0123	Ruler Decal, HP500, Tailgate Opening	1		
100	BL-6-150-H	3/8-16 X 1-1/2 HEX CAP G5 ZC	2		
101	BL-6-350-C	3/8 UNC X 3 1/2 CARRIAGE BOLT GR5 ZINC	6		
102	BL-6-LN	3/8-16 FIN H LN NE A563 GA ZC	2		
103	BL-6-LW	3/8 SPLIT LW ZC	6		
104	BL-6-N	3/8-16 HEX NUT ZC	6		
105	BL-6-SW	3/8 SAE FW ZC	10		



74321-1-04 WALKING BEAM

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	WHL-8206	Rocker, LH	1		
2	WHL-8207	Rocker, RH	1		
3	PIN-8114	Rocker Pin, HP500	2		
4	A-1501-2-2	1/8 MP x 1/8 FPX90-	4		
5	A-1503-2-2	1/8 MP x 1/8 FPX 45-	4		
6	GF-4-4	4 Grease Manifold	1		
7	GF-1827	Grease Fitting 1/8 NPT Straight	4		
9	H2-102-2MP-2MP	1/8 Hose 1/8MP x 1/8MP x 102 L	2		
10	H2-84-2MP-2MP	1/8 in grease hose 1/8MP x 1/8MP x 84 in long	2		
100	BL-4-150-H	1/4-20 X 1-1/2 HEX CAP G5 ZC	2		
101	BL-4-FW	1/4 USS FW ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	2		
103	BL-10-450-8	5/8-11 X 4-1/2 HH CAP G8 ZC	2		
104	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	4		
105	BL-10-LN	5/8-11 HEX LN NE ZC	6		

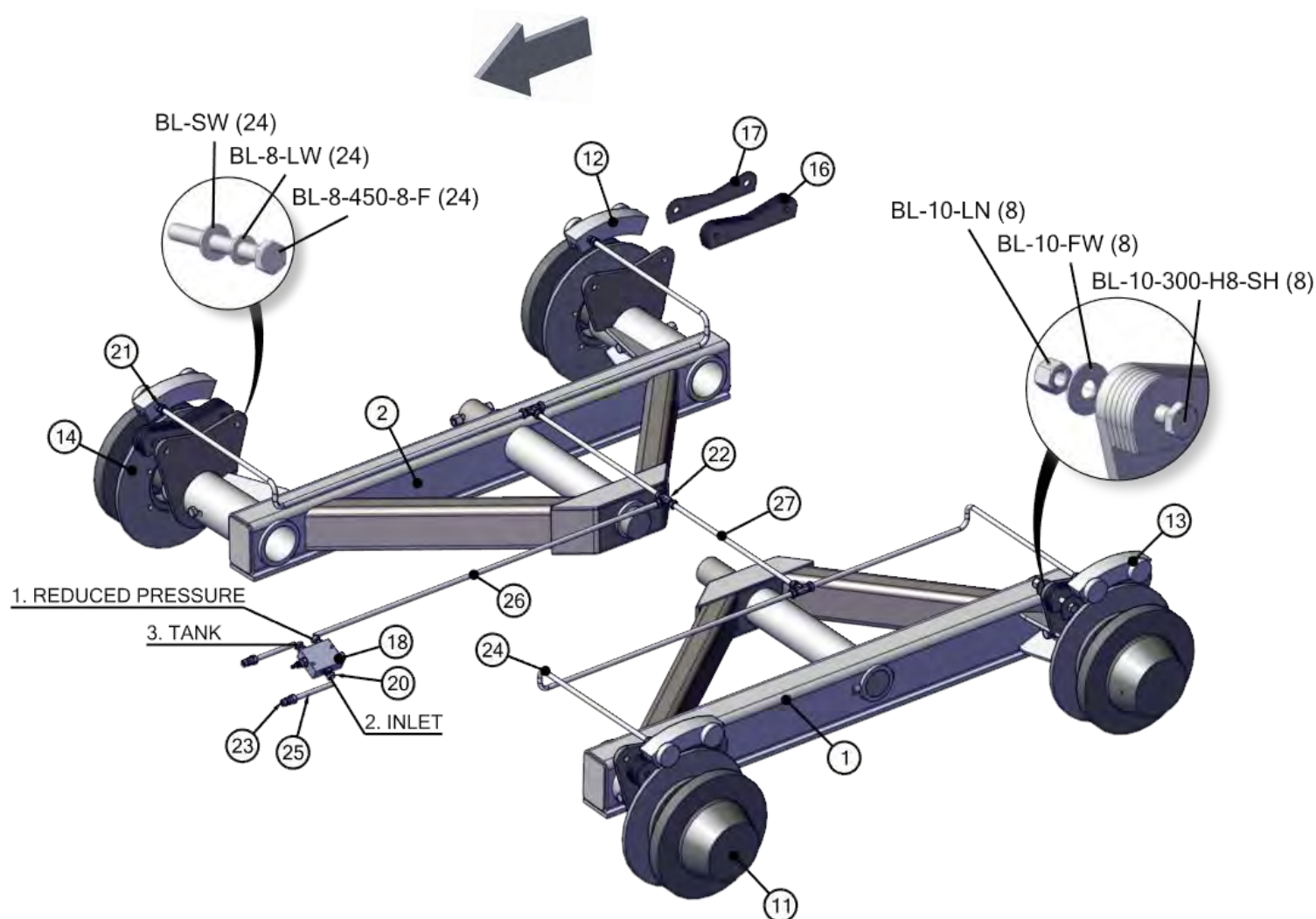


74321-1-04B WALKING BEAM W/ HYD DISC BRAKES, REMOTE

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70608	Rocker, Disc Brakes, LH	1		
2	PR70609	Rocker, Disc Brakes, RH	1		
3	PIN-8114	Rocker Pin, HP500	2		
4	A-1501-2-2	1/8' MP x 1/8' FPX90	4		
5	A-1503-2-2	1/8' MP x 1/8' FPX 45	4		
6	GF-4-4	4' Grease Manifold	1		
7	GF-1827	Grease Fitting 1/8 NPT Straight	4		
9	H2-102-2MP-2MP	1/8' Hose 1/8MP x 1/8MP x 102' L	2		
10	H2-84-2MP-2MP	1/8 in grease hose 1/8MP x 1/8MP x 84 in long	2		
11	WHL-1210-BR	4' Spindle Assy, Drilled and Tapped for Brakes	4		
12	TRL-BRK-0019	RH Brake 2 x 60 Caliper w/Brake Pad	2		
13	TRL-BRK-0020	LH Brake 2 x 60 Caliper w/Brake Pad	2		
14	WHL-1208	Rotor, Disk Brakes, 10 bolt & 22.5' wheel	4		
15	WHL-1209	Brake Hub, 10 bolt hub and 22.5' wheel	4		
16	PR70204	Spacer, Disk Brakes	4		
17	PR70205	Spacer, Disk Brakes, 1/8'	4		
18	HV-1002	Pressure Reducing/Relieving Valve 50-1500 w/RFF Body	1		
19	HV-1002-K	Standard Knob for HV-1002	1		
20	A-6900-6-6	6 SAE x 3/8' FPX	3		
21	A-6900-4-6	4 SAE x 3/8' FPX	4		
22	A-1603-6-6-6	Swivel T 3/8' NPTF	3		
23	A-QD2010-8-8	Tractor Quick Coupler, Male, 1/2' w/ FPT	2		
24	H4-32-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 32 in long	4		
25	H4-264-6MP-6MP	1/4' Hose 3/8MP x 3/8MP x 264' Long	4		
26	H4-170-6MP-6MP	1/4' Hose, 3/8MP x 3/8MP x 170	1		
27	H4-102-6MP-6MP	1/4 in Hose 3/8MP x 3/8MP x 102 in Long	2		
100	BL-4-150-H	1/4-20 X 1-1/2 HEX CAP G5 ZC	2		
100	BL-4-400-SH	1/4"-20 x 4" Length with 1" Shoulder, Socket Head	8		
101	BL-4-FW	1/4 USS FW ZC	12		
102	BL-4-LN	1/4-20 HEX LN NE ZC	10		
103	BL-10-450-8	5/8-11 X 4-1/2 HH CAP G8 ZC	2		
104	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	4		
105	BL-10-LN	5/8-11 HEX LN NE ZC	14		
106	BL-10-300-H8-SH	5/8-11 X 3 HEX CAP G8, Min 1.50' Shoulder	8		
107	BL-10-FW	5/8 USS FW ZC	8		

74321-1-04B WALKING BEAM W/ HYD DISC BRAKES, REMOTE

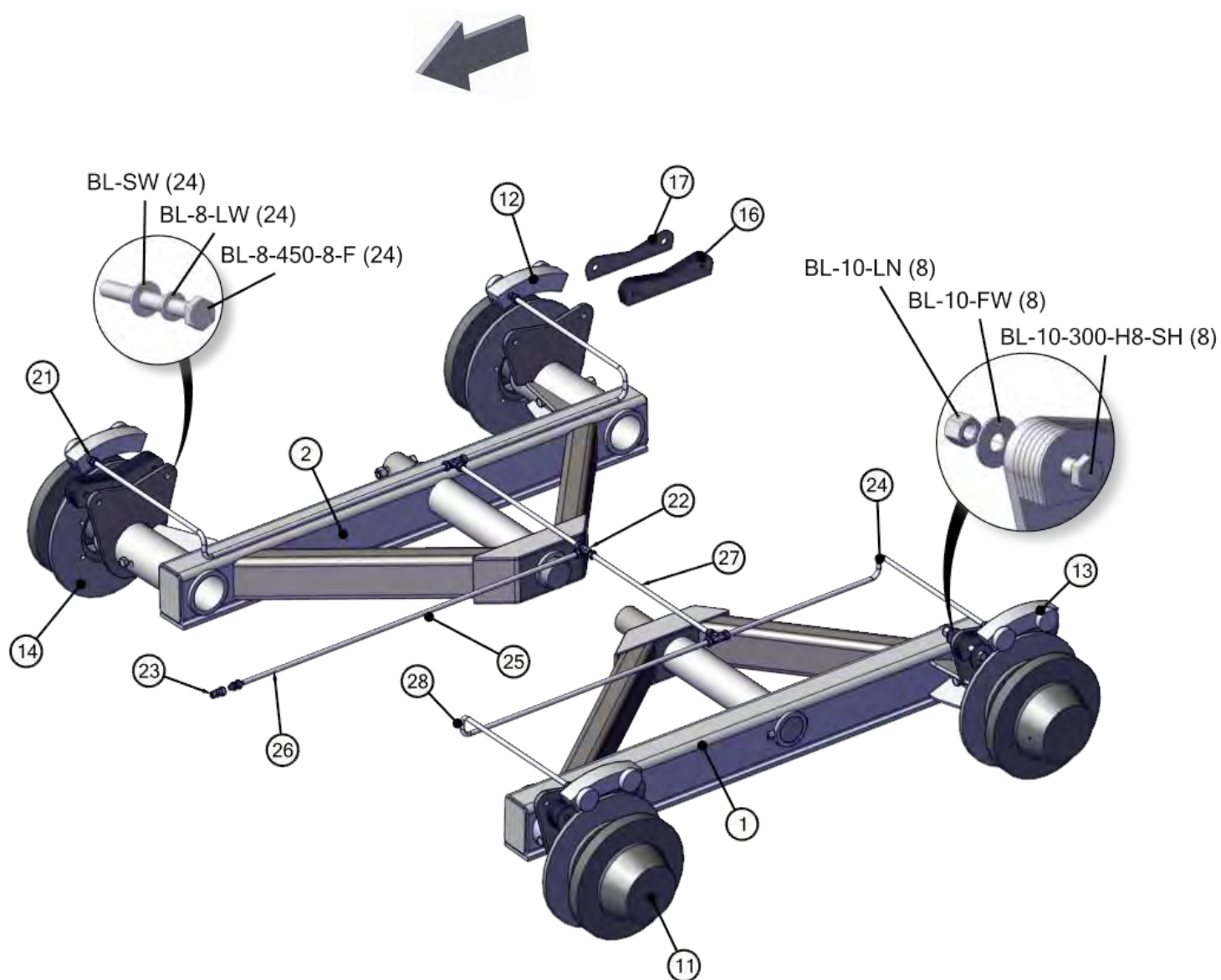
108	BL-8-450-8-F	1/2-20 X 4-1/2 HH G8	24
109	BL-8-LW	1/2 SPLIT LW ZC	24
110	BL-8-SW	1/2 SAE FW ZC	24
111	BL-5-175-8	HCS 5/16-18 X 1 1/4' GRADE 8 YELLOW ZINC	2
112	BL-5-FW	5/16 USS FW ZC	4
113	BL-5-LN	5/16-18 HEX LN NE ZC	2



74321-1-04C WALKING BEAM W/ HYD DISC BRAKES, EURO FF

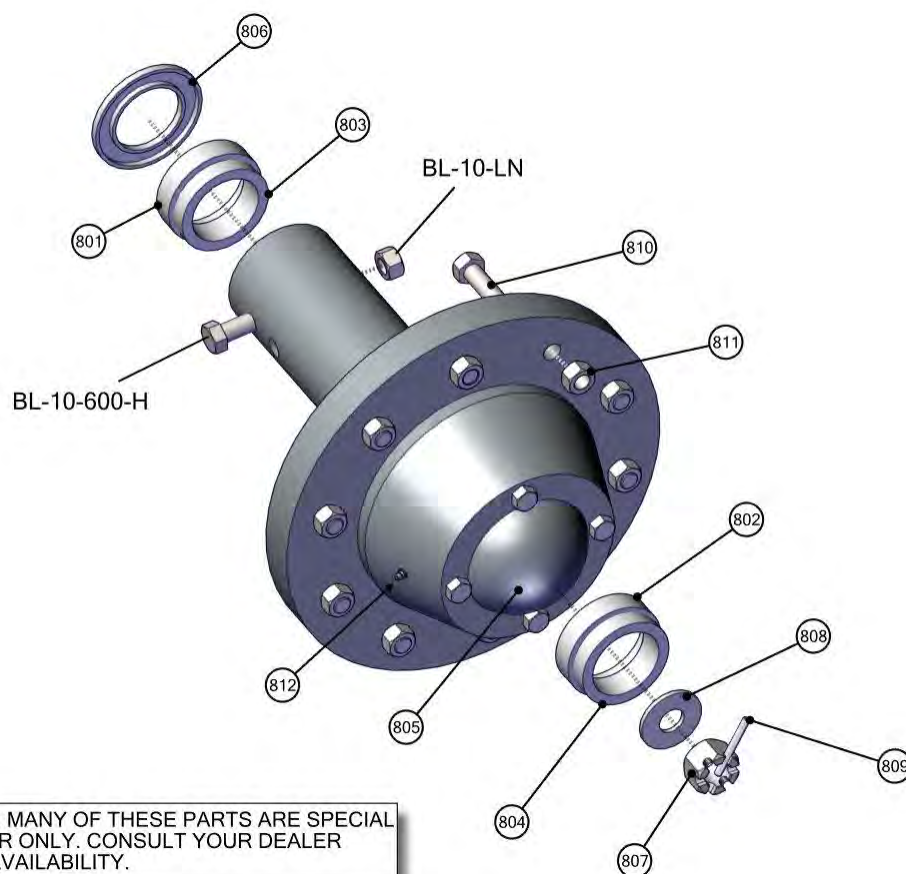
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70608	Rocker, Disc Brakes, LH	1		
2	PR70609	Rocker, Disc Brakes, RH	1		
3	PIN-8114	Rocker Pin, HP500	2		
4	A-1501-2-2	1/8' MP x 1/8' FPX90-	4		
5	A-1503-2-2	1/8' MP x 1/8' FPX 45-	4		
6	GF-4-4	4' Grease Manifold	1		
7	GF-1827	Grease Fitting 1/8 NPT Straight	4		
9	H2-102-2MP-2MP	1/8' Hose 1/8MP x 1/8MP x 102' L	2		
10	H2-84-2MP-2MP	1/8 in grease hose 1/8MP x 1/8MP x 84 in long	2		
11	WHL-1210-BR	4' Spindle Assy, Drilled and Tapped for Brakes	4		
12	TRL-BRK-0019	RH Brake 2 x 60 Caliper w/Brake Pad	2		
13	TRL-BRK-0020	LH Brake 2 x 60 Caliper w/Brake Pad	2		
14	WHL-1208	Rotor, Disk Brakes, 10 bolt & 22.5' wheel	4		
15	WHL-1209	Brake Hub, 10 bolt hub and 22.5' wheel	4		
16	PR70204	Spacer, Disk Brakes	4		
17	PR70205	Spacer, Disk Brakes, 1/8'	4		
21	A-6900-4-6	4 SAE x 3/8' FPX	4		
22	A-FF2603-06-06-06	Tee, 6MFF x 6MFF X 6MFF	3		
23	AQ-160559	Hyd. Quick-Connect Coupler, JD Hydraulic Brake	2		
24	H4-35-6MP-6FFFX	1/4" Hose, 3/8" Male Pipe x 3/8" Female ORFS	2		
25	H4-216-6MFF-6FFFX	1/4" Hose, 3/8" Male ORFS x 3/8" Female ORFS	1		
26	H4-100-6FFFX-8MP	1/4" Hose, 3/8" Female ORFS x 1/2" Male Pipe	1		
27	H4-46-6FFFX-6FFFX	1/4in Hose, 3/8 Female ORFS x 3/8 Female ORFS	2		
28	H4-40-6MP-6FFFX	1/4" Hose, 3/8" Male Pipe x 3/8" Female ORFS	2		
100	BL-4-150-H	1/4-20 X 1-1/2 HEX CAP G5 ZC	2		
100	BL-4-400-SH	1/4"-20 x 4" w/ 1" Shoulder, Socket Head	8		
101	BL-4-FW	1/4 USS FW ZC	12		
102	BL-4-LN	1/4-20 HEX LN NE ZC	10		
103	BL-10-450-8	5/8-11 X 4-1/2 HH CAP G8 ZC	2		
104	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	4		
105	BL-10-LN	5/8-11 HEX LN NE ZC	14		
106	BL-10-300-H8-SH	5/8-11 X 3 HEX CAP G8, Min 1.50" Shoulder	8		
107	BL-10-FW	5/8 USS FW ZC	8		
108	BL-8-450-8-F	1/2-20 X 4-1/2 HH G8	24		
109	BL-8-LW	1/2 SPLIT LW ZC	24		
110	BL-8-SW	1/2 SAE FW ZC	24		
111	BL-5-175-8	HCS 5/16-18 X 1 1/2" GRADE 8 YELLOW ZINC	2		
112	BL-5-FW	5/16 USS FW ZC	4		
113	BL-5-LN	5/16-18 HEX LN NE ZC	2		

74321-1-04C WALKING BEAM W/ HYD DISC BRAKES, EURO FF



74318-1-05 HUBS AND SPINDLES

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	WHL-1210	Hub and Spindle Assembly 10 Bolt	4		4' Spindle 18K Rated
100	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	4		
101	BL-10-LN	5/8-11 HEX LN NE ZC	4		
800	WBR-1210K	Wheel Bearing Kit for WHL-1210 Hub & Spindle Assy.	1	WHL-1210	inner & outer cones & cups and grease seal & gasket
801	WHL-1210A	Inner Cup	1		
802	WHL-1210B	Outer Cup	1		
803	WHL-1210C	Inner Cone	1		
804	WHL-1210D	Outer Cone	1		
805	WHL-1210E	Dust Cap	1		
806	WHL-1210F	Grease Seal	1		
807	WHL-1210G	Flange Nut, Spindle	1		
808	WHL-1210H	Washer, Spindle	1		
809	WHL-1210I	Cotter Pin, Spindle	1		
810	WHL-1210J	Wheel Stud Bolt	10		
811	WHL-1210K	Wheel Stud Nut	10	USE WHL-1210W	USE WHL-1210W
812	GF-1827	Grease Fitting 1/8 NPT Straight	1		
815	WHL-1210M	Spindle	1		



74318-1-06 TIRES AND WHEELS, 425/65R22.5

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	WHM-7105	425/65R22.5 Tire & Wheel Assy	4	1190	
813	WHL-7105	22.5 X 13 Wheel 10 Bolt	1	WHM-7105	10-11.25-8.62; Zero Offset Color, Off-White
814	WHT-7105	Used Truck Tire 425/65R22.5	1		



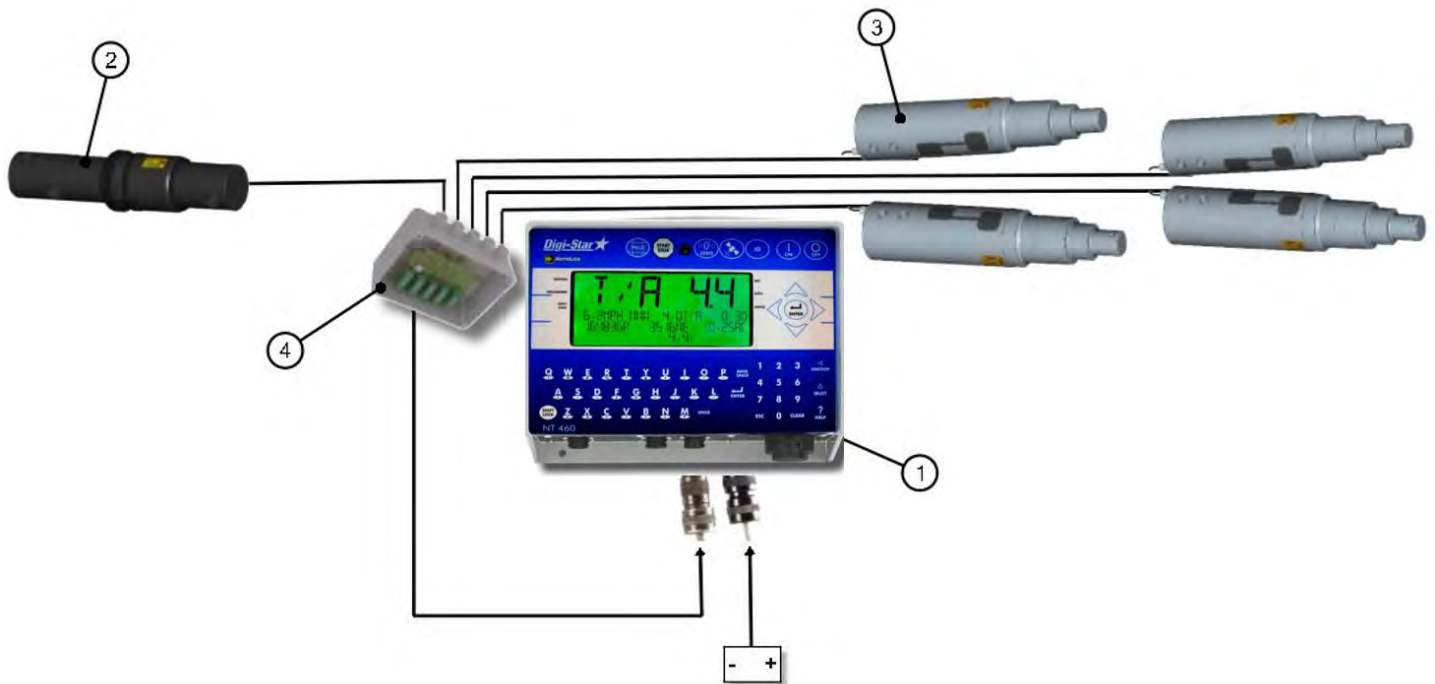
74318-1-06A OPTIONAL TIRES AND WHEELS, 550/60R22.5

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	WHM-7101	560/60R-22.5 Tire & Wheel Assy	4		
801	WHT-7101	Tire, 550/60-22.5, BKT Flot 648 TL, 18 Ply	1		
802	WHL-7104	Wheel, 16 x 22.5 - 7/15, 3/8 (+) Offset, HD, Painted	1	WHL-7101	



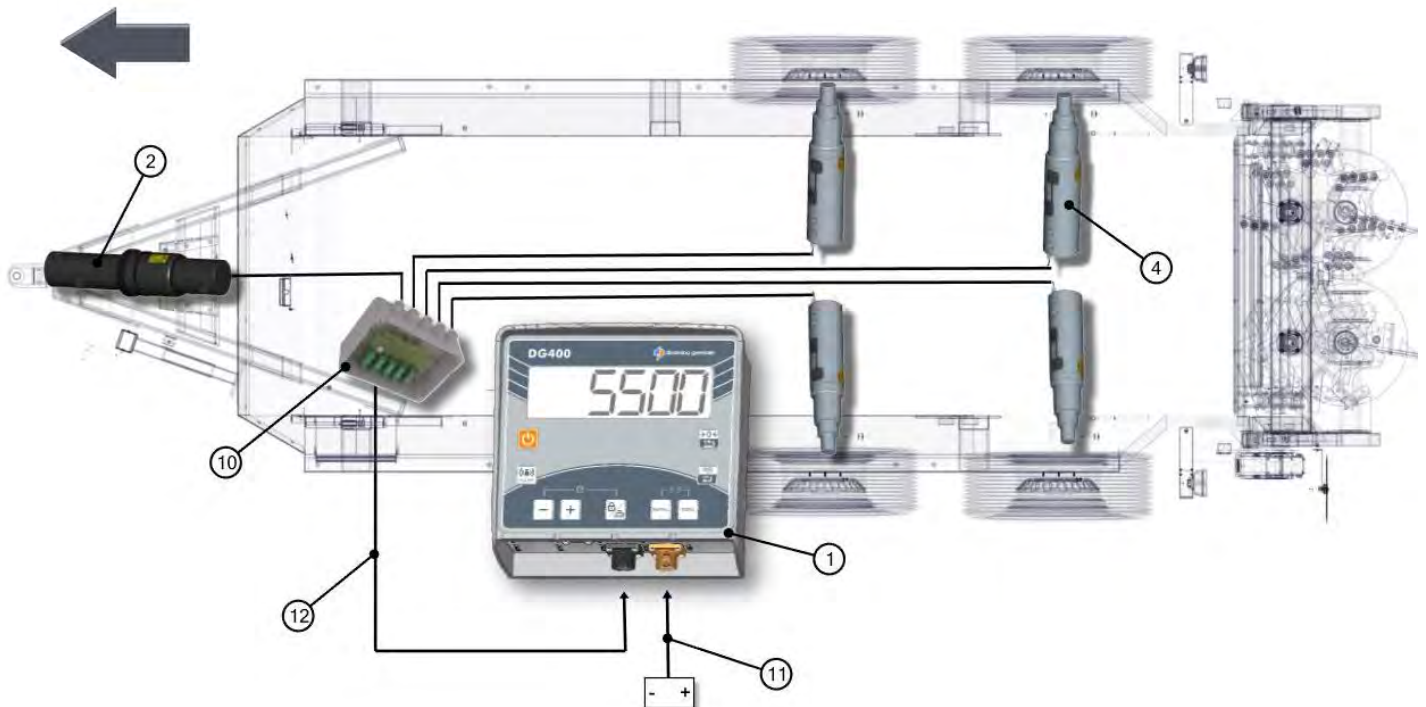
74318-1-07 OPTIONAL WEIGHT SCALE SYSTEM, NT460

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	SWS-4604-003	Indicator, W/AutoLog, NT460	1		
2	PR63101	Hitch Shaft, Hardened, Long	-1		
2	SWS-1007	Load Cell, Hitch, 2-7/8" Dia, HD	1		
3	SWS-1003	Spindle Load Cell, 4" Dia.	4		
4	SWS-4605-003	J-Box 6 Pt	1		
5	WHL-1210-LCS	Wheel Hub Seal, Load Cell Spindle Seal	4		
6	WHL-1210-HC	Complete Hub For WHL-1210, No Spindle	4		
7	WHL-1210H	Washer, Spindle	4		
8	WHL-1210G	Flange Nut, Spindle	4		
9	WHL-1210I	Cotter Pin, Spindle	4		
10	PR90012	Spindle Scale Bushing	4		
11	SWS-4605-005	Power Cable 4- wire, 3m Cable	1		
12	SWS-4605-004	J Box Cable, 9m	1		
13	SWS-4604-006	Rail Mount, Monitor Mount	1		
14	SWS-403780	Indicator Mount, NT460, Bracket - SCR-#10 x 5/8 FHSTS Black ZP	1		
15	SWS-404353	Indicator Mount, NT460, Bracket - EZ3 Plastic Rail	1		
100	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	1		
101	BL-10-LN	5/8-11 HEX LN NE ZC	1		
800	SWS-4605-001	Cell, dia 2.875 DB -21			
801	SWS-4606-001	Cell-3.75 SA-21FT-16K Hub			



74319-1-07 OPTIONAL WEIGHT SCALE SYSTEM, DG400

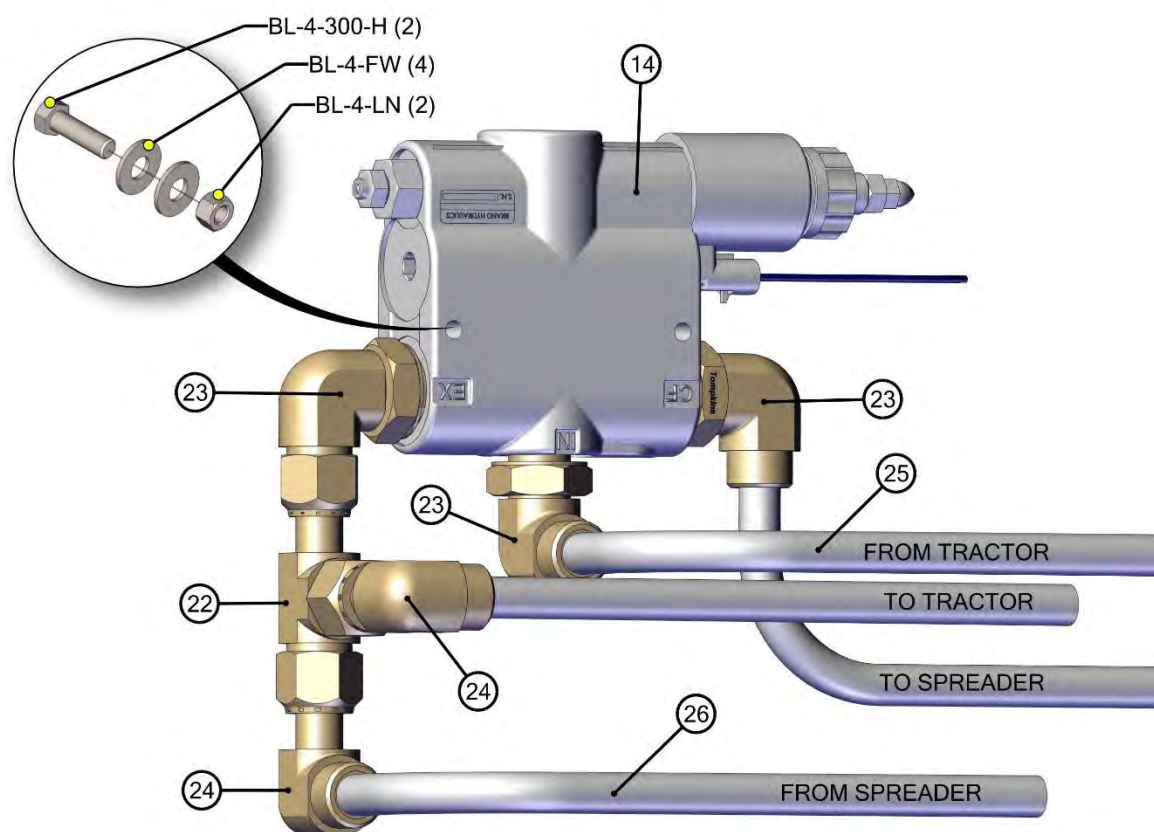
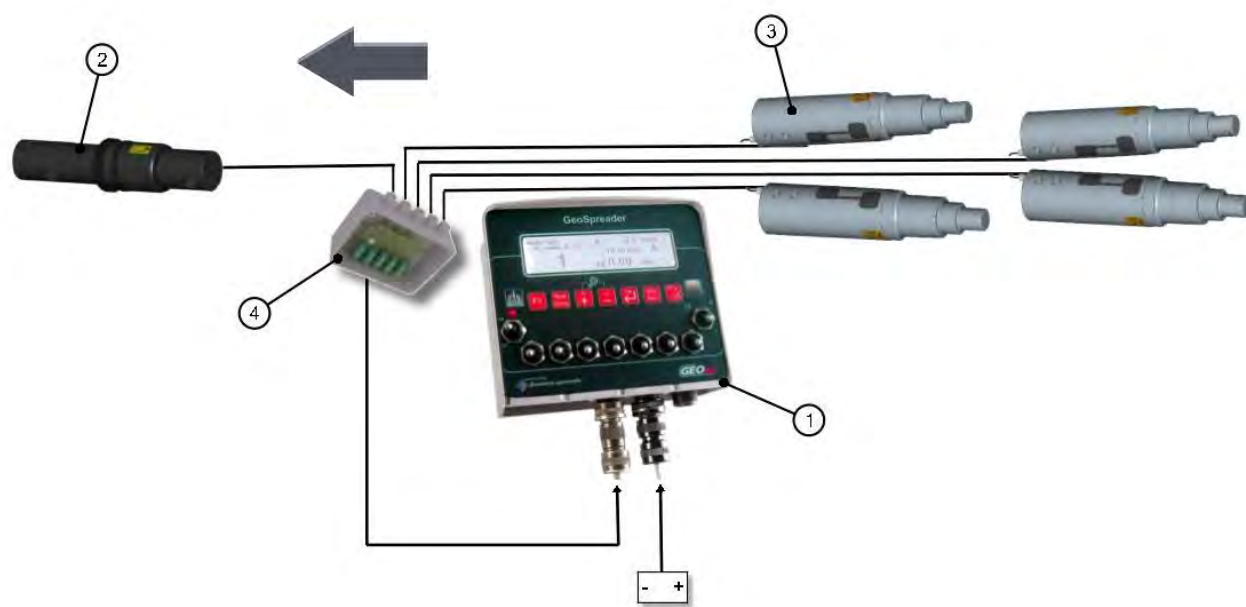
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	SWS-1001	DG400 Slim Box w/ Isobus, Weigh Scale Display Module	1		
2	PR63101	Hitch Shaft, Hardened, Long	-1		
2	SWS-1007	Load Cell, Hitch, 2-7/8" Dia, HD	1		
4	SWS-1003	Spindle Load Cell, 4" Dia.	4		
5	WHL-1210-LCS	Wheel Hub Seal, Load Cell Spindle Seal	4		
6	WHL-1210-HC	Complete Hub For WHL-1210, No Spindle	4		
7	WHL-1210H	Washer, Spindle	4		
8	WHL-1210G	Flange Nut, Spindle	4		
9	WHL-1210I	Cotter Pin, Spindle	4		
10	SWS-1004	J-Box, 6-9 Load Cells Plug Style	1		
11	SWS-1005	Power Cable, 16 ft w/ Ring Terminals	1		
12	SWS-1006	Sensor Cable, 22 ft w/ Connectors, J-Box to Scale Head	1		
100	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	1		
101	BL-10-LN	5/8-11 HEX LN NE ZC	1		



74320-1-07 OPT. WEIGHT SCALE SYSTEM, GEOSPREADER

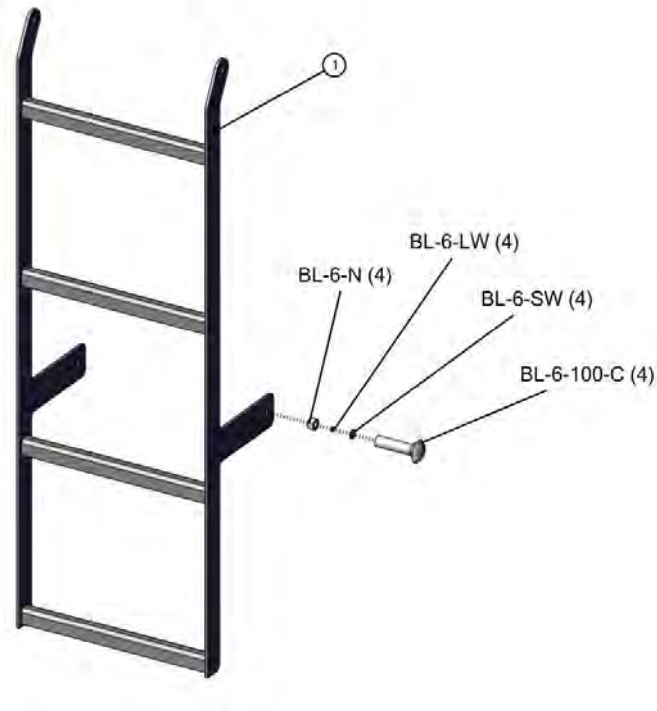
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	SWS-1009	Geo Spreader Kit Superior	1		
2	PR63101	Hitch Shaft, Hardened, Long	-1		
2	SWS-1007	Load Cell, Hitch, 2-7/8" Dia, HD	1		
3	SWS-1003	Spindle Load Cell, 4" Dia.	4		
4	SWS-1004	J-Box, 6-9 Load Cells Plug Style	1		
5	HVE-IFM-003	Proximity Sensor	1		
6	HVE-IFM-002-B	Sensor Cable, 10m	1		
7	WHL-1210-LCS	Wheel Hub Seal, Load Cell Spindle Seal	4		
8	WHL-1210-HC	Complete Hub For WHL-1210, No Spindle	4		
9	WHL-1210H	Washer, Spindle	4		
10	WHL-1210G	Flange Nut, Spindle	4		
11	WHL-1210I	Cotter Pin, Spindle	4		
12	SWS-1005	Power Cable, 16 ft w/ Ring Terminals	1		
13	SWS-1006	Sensor Cable, 22 ft w/ Connectors, J-Box to Scale Head	1		
14	HVE-C122012	Electronic Flow Control w/free flow reverse	1		
15	HVE-IFM-002-A	Female Wirable Connector, 1 X M12, Straight	1		
16	SWS-1031	Gearbox Cover Plate w/ Sensor Hole	1		
17	SWS-1012	Proportional Box	1		
18	EL-38063	Female Connector Body, Metri-Pack, 280 Series	1		
19	EL-38035	Two Contact Clip for Contact Connector	1		
20	EL-30036	Male Terminal	2		
21	EL-39000	Cable Seal	2		
22	A-FF6602-10-10-10	Run Tee, 10MFF X 10MFF X 10FFFX	1		
23	A-FF6801-10-12	Elbow, 10MFF x 12SAE	3		
24	A-FF6500-10-10	Elbow, 90, 10MFF x 10FFFX	2		
25	H10-17-10FFFX-10FFFX	5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS	1		
26	H10-36-10FFFX-10FFFX	5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS	1		
27	ELM-106-M	Magnet Assembly	1		
28	SWS-1039	Sensor Bracket, GeoSpreader	1		
100	BL-10-600-H	5/8-11 X 6 HEX CAP G5 ZC	1		
101	BL-10-LN	5/8-11 HEX LN NE ZC	1		
102	BL-4-300-H	1/4-20 X 3 HEX CAP G5 ZC	2		
103	BL-4-FW	1/4 USS FW ZC	4		
104	BL-4-LN	1/4-20 HEX LN NE ZC	2		

74320-1-07 OPT. WEIGHT SCALE SYSTEM, GEOSPREADER



74319-1-08 SIDE LADDER

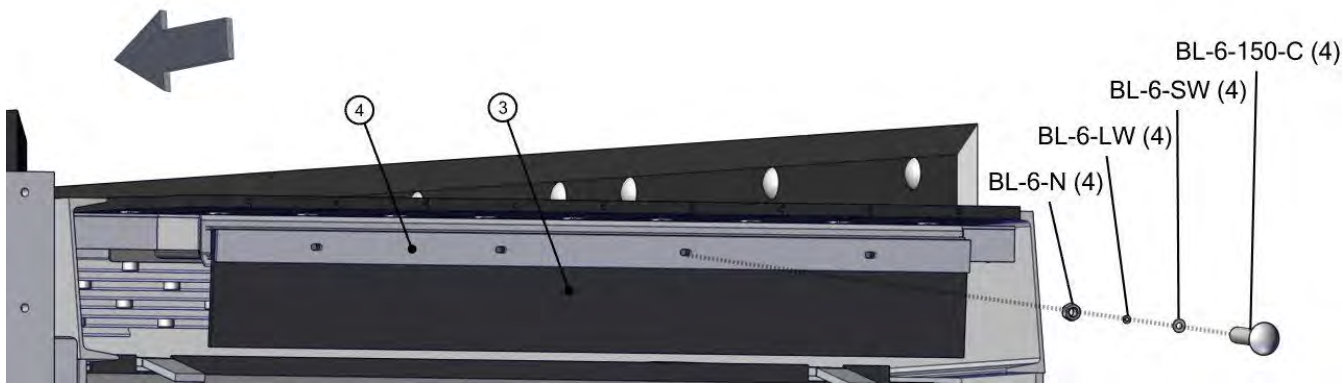
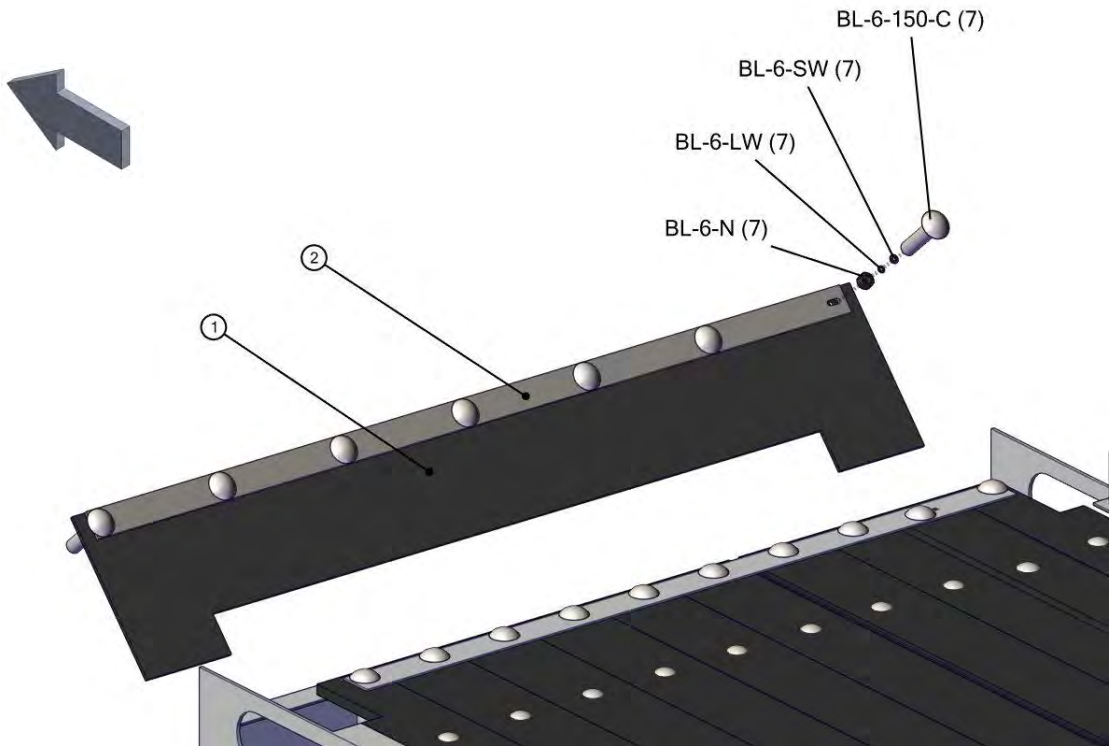
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70376	Ladder, HP Spreader	1		
100	BL-6-100-C	3/8-16 X 1 CARRIAGE BOLT G5 ZC	4		
101	BL-6-LW	3/8 SPLIT LW ZC	4		
102	BL-6-N	3/8-16 HEX NUT ZC	4		
103	BL-6-SW	3/8 SAE FW ZC	4		



74319-1-09 MAIN FRAME BELTING

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70314	Belting, Front	1		
2	PR70280	Belting Bar	1		
3	PR70336	Belting, Bottom Rear	1		
4	PR70337	Belting Bar, Rear	1		
100	BL-6-125-C	3/8-16 X 1-1/4 CARRIAGE BOLT G5 ZC	7		
101	BL-6-150-C	3/8-16 X 1-1/2 CARRIAGE BOLT G5 ZC	4		
102	BL-6-350-C	3/8 UNC X 3 1/2 CARRIAGE BOLT GR5 ZINC	7		
103	BL-6-LW	3/8 SPLIT LW ZC	18		
104	BL-6-N	3/8-16 HEX NUT ZC	18		
105	BL-6-SW	3/8 SAE FW ZC	18		

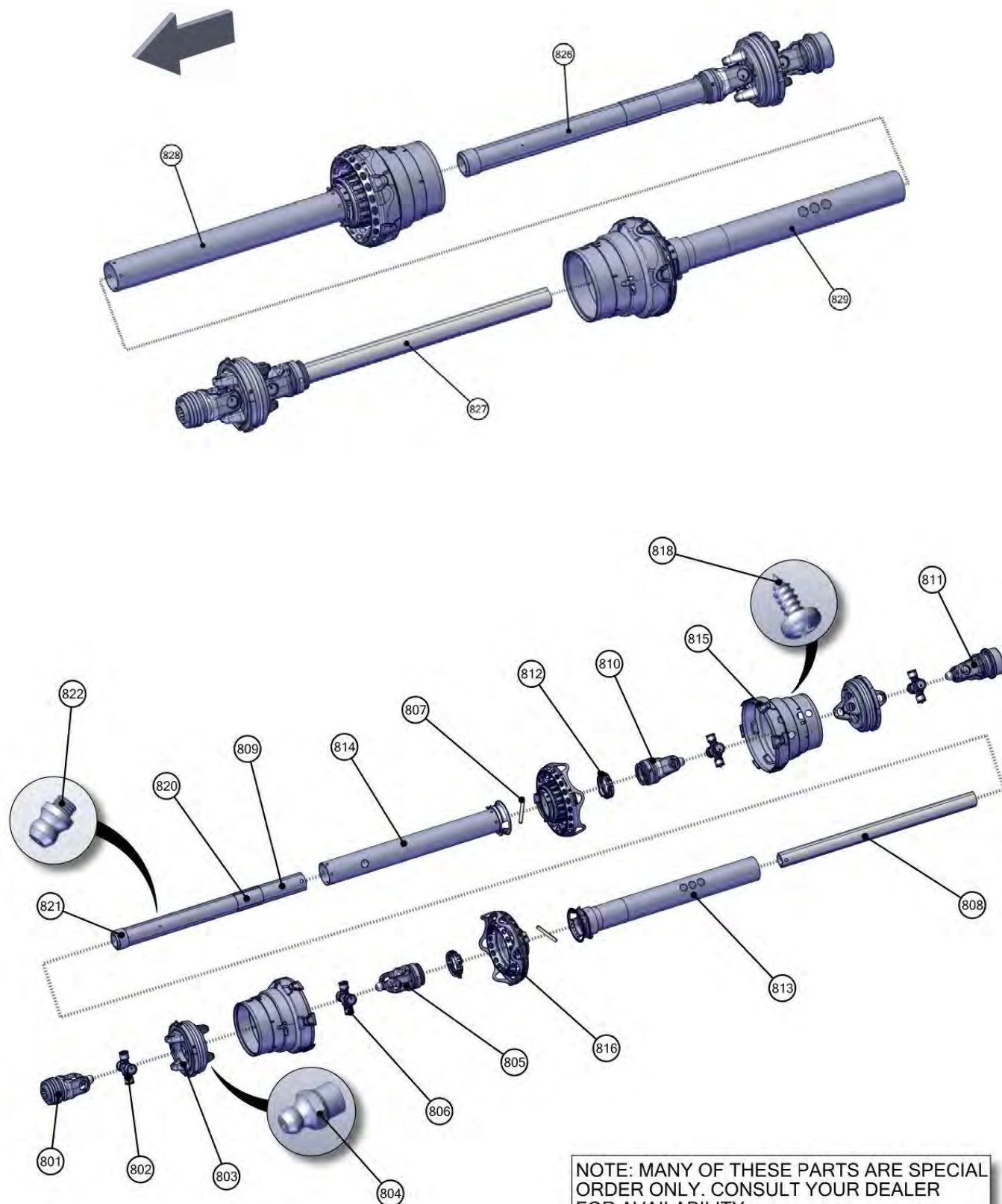
74319-1-09 MAIN FRAME BELTING



74318-2-01 FRONT DRIVELINE, 1000RPM, 1-3/8"

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PTS-1015	Driveline, Spreader, 1-3/8-21, 2500 Series	1		Replaces PTS-1008
801	PTS-1015A	Yoke ASG	1		
802	PTS-1015B	Cross & Bearing Kit	2		
803	PTS-3001-Y	Double Yoke End	2		
804	PTS-1008C	Zerk, Double Yoke	2		Special Order Only
805	PTS-1015C	Inboard Yoke S4	1		
806	PTS-1015D	Cross & Bearing Kit	2		
807	PTB-1014C	Spring Pin 10 X 75	2		Special Order Only
808	PTS-1015E	Inner Profile S4LGA	1		
809	PTS-1015F	Outer Profile S5GL	1		
810	PTS-1015G	Inboard Yoke S5	1		
811	PTS-1015H	Yoke ASG	1		
812	PTS-1002J	PTO Shield Bearing Ring	2		Special Order Only
813	PTS-1015J	Guard Tube Outer	1		
814	PTS-1015K	Guard Tube Inner	1		
815	PTS-1015L	CV Guard & Bearing Assy	2		
816	PTS-1015M	Flex Net & Guard Assy	2		
817	PTS-1002K	PTO Shield Safety Chain	1		Special Order Only
818	PTS-1010K	Screw	18		Special Order Only
819	PTS-1010L	Decal, Outer	1		Special Order Only
820	PTS-1010M	Decal, Inner	1		Special Order Only
821	PTS-1021H	Support Bearing	1		Special Order Only
822	PTB-1014L	Zerk	1		Special Order Only
823	PTS-1021P	Lubrication Decal	1	Replaces PTS-1008Q	Special Order Only
824	PTS-8100E	AS Collar Kit	1		Special Order Only
825	PTS-1008R	ASG Collar Kit	1		Special Order Only
826	PTS-1015FH	Driveline, 1-3/8-21, Front Half Only	1		
827	PTS-1015RH	Driveline, 1-3/8-21, Rear Half Only (Star)Rear couple 1-3/4-20	1		
828	PTS-1015FS	Shield Complete,Front Half	1		
829	PTS-1015RS	Shield Complete, Rear Half	1		

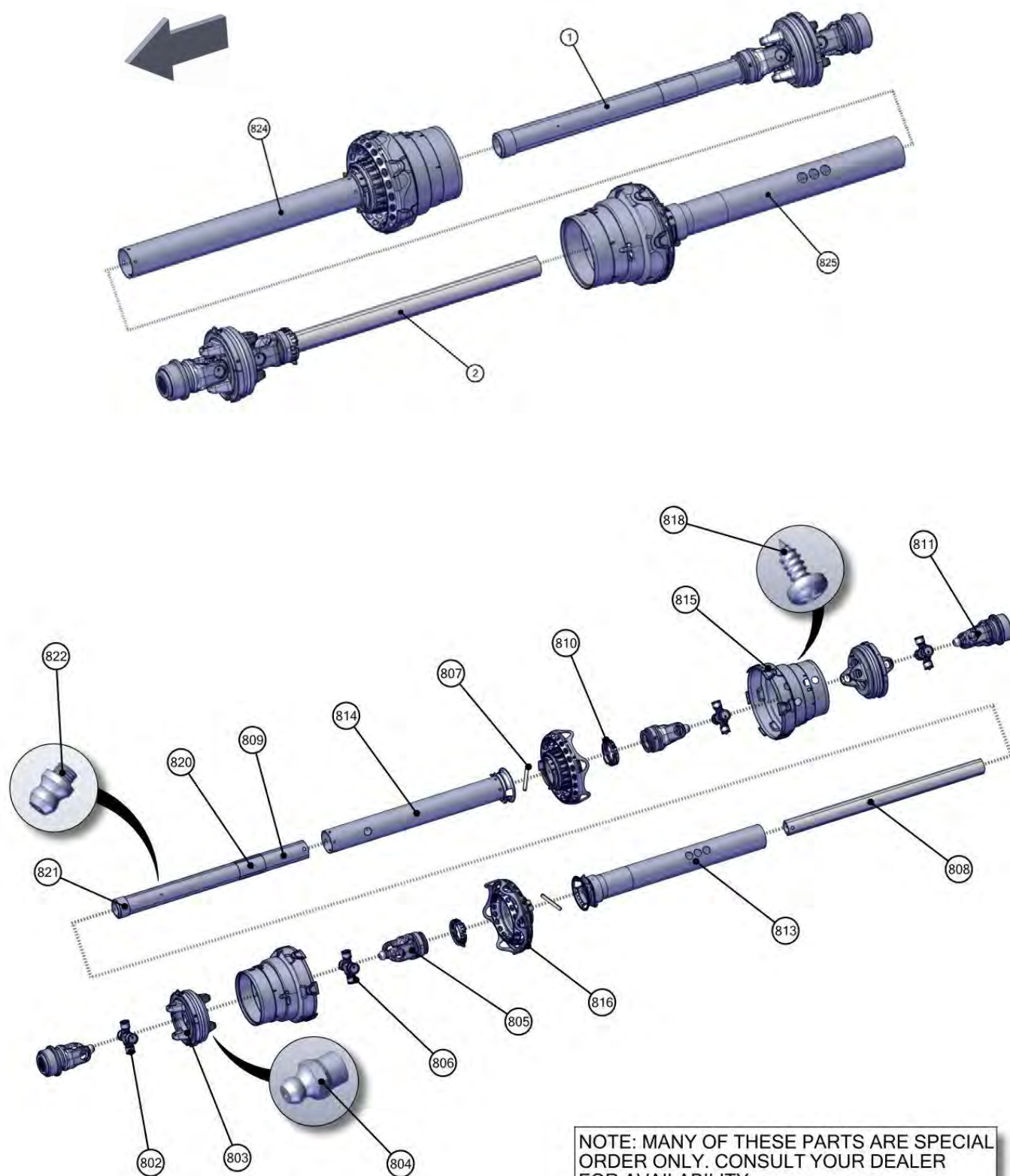
74318-2-01 FRONT DRIVELINE, 1000RPM, 1-3/8"



74318-2-01A OPTIONAL FRONT DRIVELINE, 1000RPM, 1-3/4"

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PTS-1016FH	Driveline, 1-3/4 -20, Front Half Only	1		
2	PTS-1015RH	Driveline, 1-3/8-21, Rear Half Only (Star)Rear couple 1-3/4-20	1		
802	PTS-1015B	Cross & Bearing Kit	2		
803	PTS-3001-Y	Double Yoke End	2		
804	PTS-1008C	Zerk, Double Yoke	2		Special Order Only
805	PTS-1015C	Inboard Yoke S4	1		
806	PTS-1015D	Cross & Bearing Kit	2		
807	PTB-1014C	Spring Pin 10 X 75	2		Special Order Only
808	PTS-1016A	Inner Profile	1		
809	PTS-1016B	Outer Profile	1		
810	PTS-1015G	Inboard Yoke S5	1		
811	PTS-1015H	Yoke ASG	2		
812	PTS-1002J	PTO Shield Bearing Ring	2		Special Order Only
813	PTS-1016C	Guard Tube, Outer	1		
814	PTS-1016D	Guard Tube, Inner	1		
815	PTS-1015L	CV Guard & Bearing Assy	2		
816	PTS-1015M	Flex Net & Guard Assy	2		
817	PTS-1002K	PTO Shield Safety Chain	2		Special Order Only
818	PTS-1010K	Screw	18		Special Order Only
819	PTS-1010L	Decal, Outer	1		Special Order Only
820	PTS-1010M	Decal, Inner	1		Special Order Only
821	PTS-1021H	Support Bearing	1		Special Order Only
822	PTB-1014L	Zerk	1		Special Order Only
823	PTS-1008Q	CV Lubrication Decal	1	Replaced with PTS-1021P	Special Order Only
824	PTS-1016FS	Shield Complete, Front Half	1		
825	PTS-1015RS	Shield Complete, Rear Half	1		

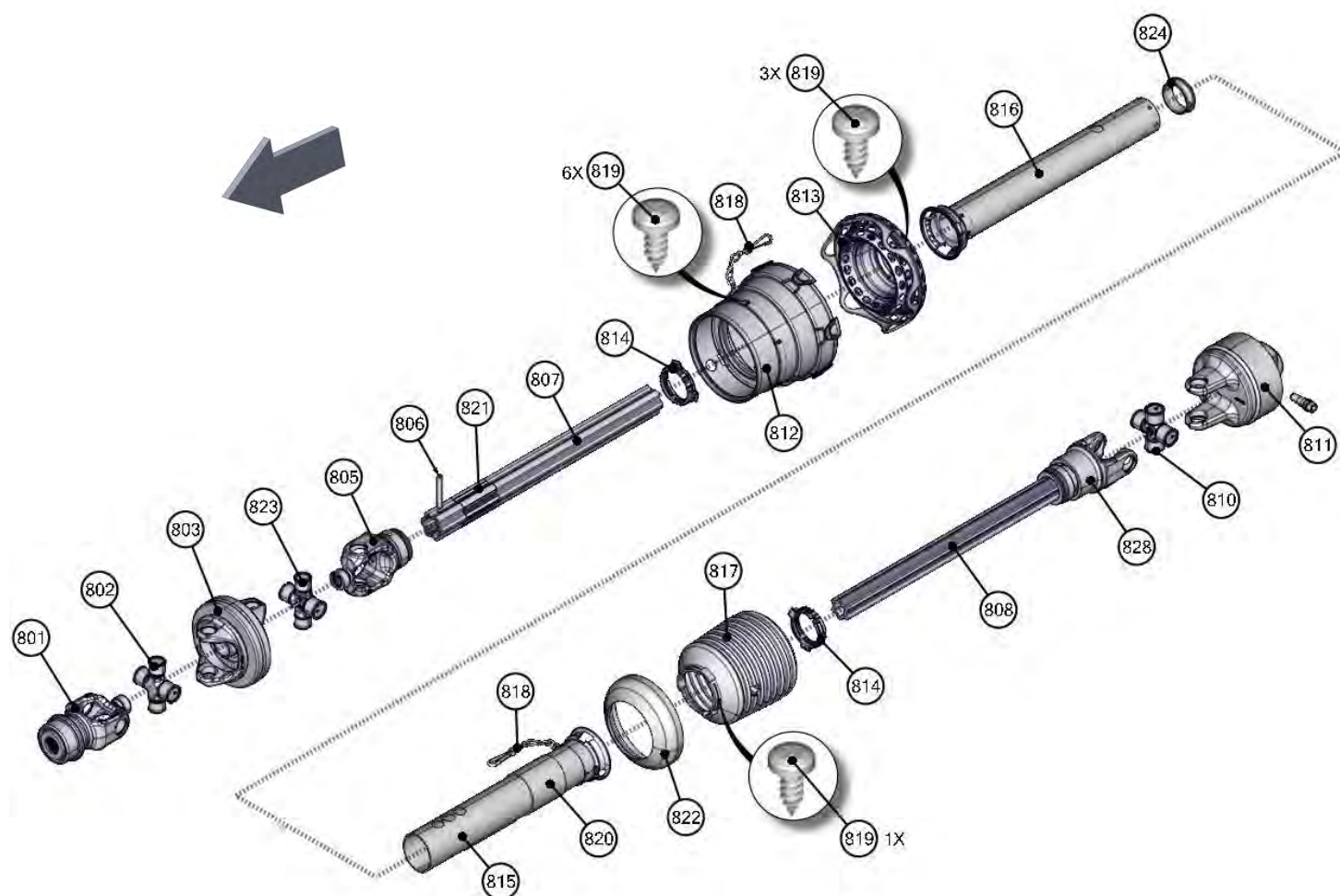
74318-2-01A OPTIONAL FRONT DRIVELINE, 1000RPM, 1-3/4"



74318-2-01B OPTIONAL FRONT DRIVELINE, COMPOST, 1000RPM, 1-3/8"

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PTS-1024	Driveline, 1-3/8"-21 Spline, PWE580 HD Complete Front Shaft	1		
801	PTS-1021Q	Yoke, 1-3/8 21 Spl. ASG	1		
802	PTS-1021B	Cross & Bearing Kit	1		Special Order Only
803	PTS-1005B	Double Yoke	1		Special Order Only
805	PTS-1021C	Inboard Yoke S5	1		Special Order Only
806	PTB-1014C	Spring Pin 10 X 75	1		Special Order Only
807	PTS-1015F	Outer Profile S5GL	1		
808	PTS-1024A	Overrunning Clutch & S4LGA Profile Assy.	1		
810	PTS-4001B	Extended Lube Cross & Bearing Kit	1	Walterscheid Yokes	Special Order Only
811	PTS-1021E	Cut-Out Clutch	1		Special Order Only
812	PTS-1021K	CV Guard & Bearing Assy	1	Replaces PTS-1005K	Special Order Only
813	PTS-1015M	Flex Net & Guard Assy	1		
814	PTS-1002J	PTO Shield Bearing Ring	2		Special Order Only
815	PTS-1024B	Guard Tube Outer	1		
816	PTS-1015K	Guard Tube Inner	1		
817	PTS-1021F	Guard Cone 9 Rib	1		Special Order Only
818	PTS-1002K	PTO Shield Safety Chain	2		Special Order Only
819	PTS-1010K	Screw	10		Special Order Only
820	PTS-1010L	Decal, Outer	1		Special Order Only
821	PTS-1010M	Decal, Inner	1		Special Order Only
822	PTS-8100D	Reinforcing Collar	1		Special Order Only
823	PTS-1021G	Cross & Bearing Kit	1		Special Order Only
824	PTS-1021H	Support Bearing	1		Special Order Only
825	PTB-1014L	Zerk	1		Special Order Only
826	PTS-1009J	Decal	1		Special Order Only
827	PTS-1021P	Lubrication Decal	1	Replaces PTS-1008Q	Special Order Only
828	PTS-1008C	Zerk, Double Yoke	1		Special Order Only

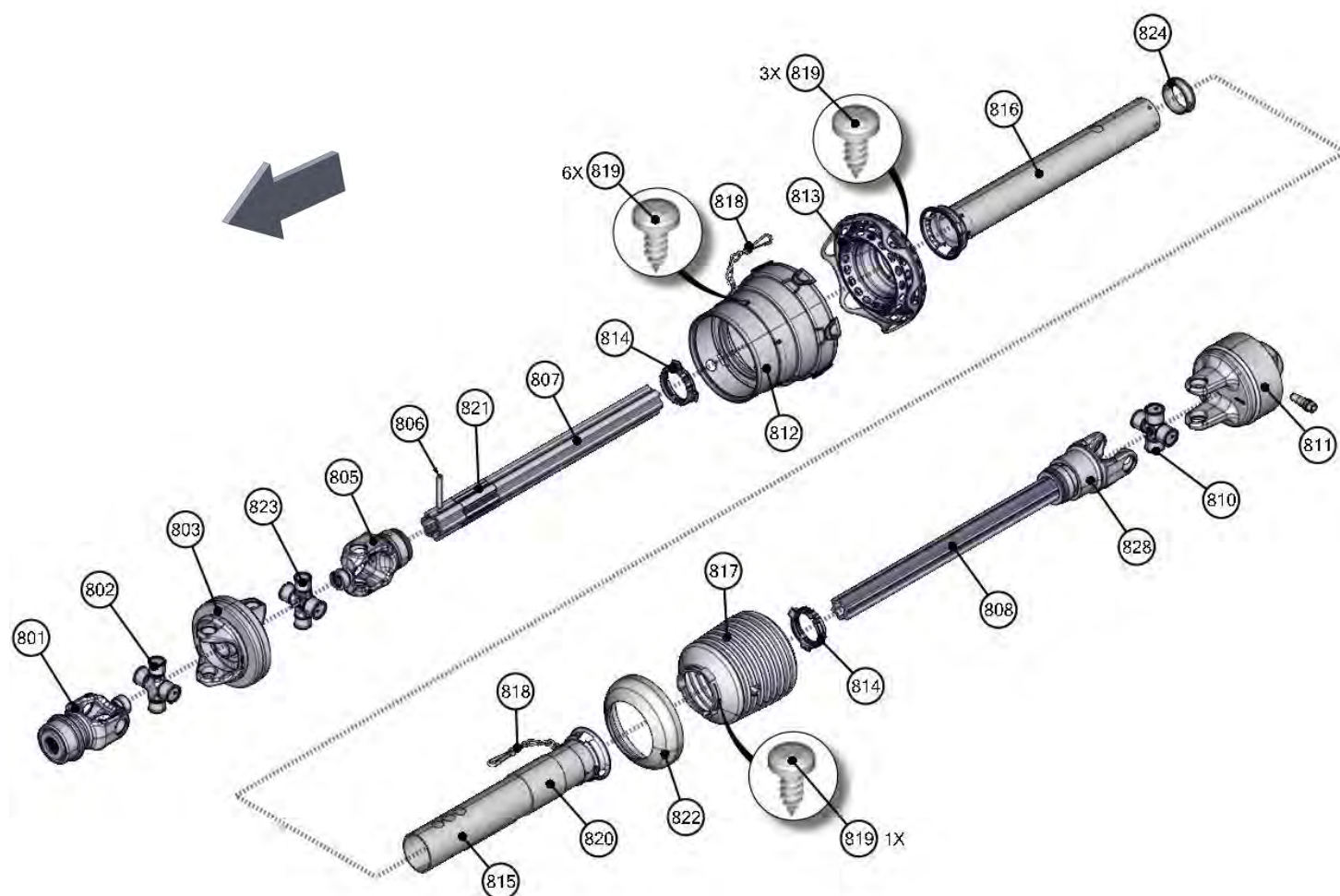
74318-2-01B OPTIONAL FRONT DRIVELINE, COMPOST, 1000RPM, 1-3/8"



74318-2-01C OPTIONAL FRONT DRIVELINE, COMPOST, 1000RPM, 1-3/4"

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PTS-1025	Driveline, 1-3/4"-20 Spline, PWE580 HD Shaft	1		
801	PTS-1021A	Yoke, 1-3/4"-20 Spl. ASG	1		
802	PTS-1021B	Cross & Bearing Kit	1		Special Order Only
803	PTS-1005B	Double Yoke	1		Special Order Only
805	PTS-1021C	Inboard Yoke S5	1		Special Order Only
806	PTB-1014C	Spring Pin 10 X 75	1		Special Order Only
807	PTS-1025A	Outer Profile S5GL	1		
808	PTS-1024A	Overrunning Clutch & S4LGA Profile Assy.	1		
810	PTS-4001B	Extended Lube Cross & Bearing Kit	1	Walterscheid Yokes	Special Order Only
811	PTS-1021E	Cut-Out Clutch	1		Special Order Only
812	PTS-1021K	CV Guard & Bearing Assy	1	Replaces PTS-1005K	Special Order Only
813	PTS-1015M	Flex Net & Guard Assy	1		
814	PTS-1002J	PTO Shield Bearing Ring	2		Special Order Only
815	PTS-1025C	Guard Tube Outer	1		
816	PTS-1025B	Guard Tube Inner	1		
817	PTS-1021F	Guard Cone 9 Rib	1		Special Order Only
818	PTS-1002K	PTO Shield Safety Chain	2		Special Order Only
819	PTS-1010K	Screw	10		Special Order Only
820	PTS-1010L	Decal, Outer	1		Special Order Only
821	PTS-1010M	Decal, Inner	1		Special Order Only
822	PTS-8100D	Reinforcing Collar	1		Special Order Only
823	PTS-1021G	Cross & Bearing Kit	1		Special Order Only
824	PTS-1021H	Support Bearing	1		Special Order Only
825	PTB-1014L	Zerk	1		Special Order Only
826	PTS-1009J	Decal	1		Special Order Only
827	PTS-1021P	Lubrication Decal	1	Replaces PTS-1008Q	Special Order Only
828	PTS-1008C	Zerk, Double Yoke	1		Special Order Only

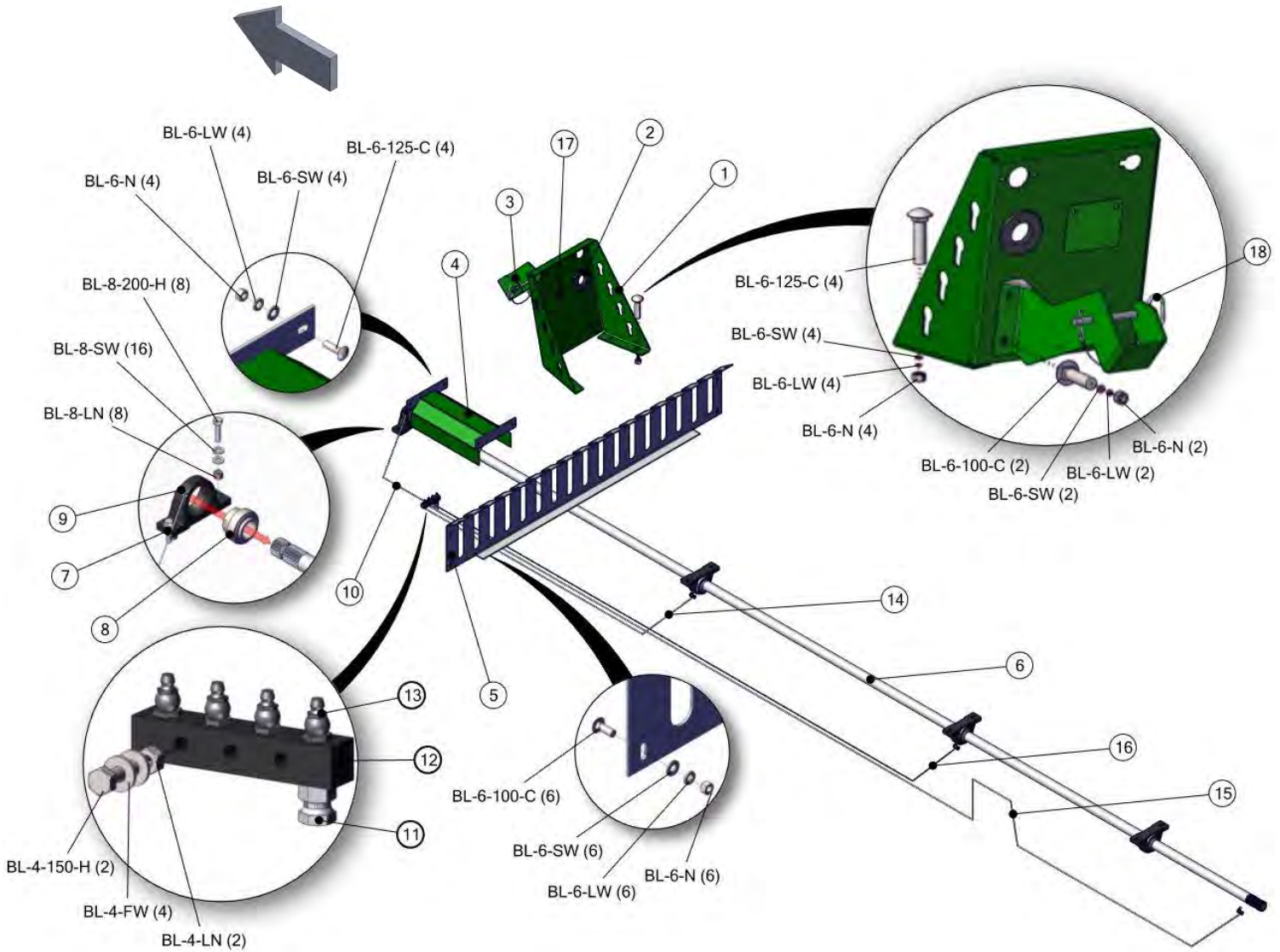
74318-2-01C OPTIONAL FRONT DRIVELINE, COMPOST, 1000RPM, 1-3/4"



74318-2-02 MAIN DRIVE SHAFT

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70086	Hose Mount	0		
2	EL-0041	2 ID Grommet, 3.5 x 3/16 cutout	1		
3	PR70087	PTO Holder	1		
4	PR70294	Drive Shaft Shield	1		
5	PR70255	Hand Guard	1		
6	PR70332	Main Drive Shaft, 200.25 OA Length	1		
7	BR-085-RAK	Bearing Housing 85 mm	4		
8	BR-175-085-I	Bearing, 1-3/4" ID, TS	4		
9	A-1501-2-2	1/8 MP x 1/8 FPX90-	4		
10	H2-40-2MP-2MP	1/8 Hose, 1/8MP x 1/8MP x 40	1		
11	A-1404-2-2	1/8 MP x 1/8 FPX	4		
12	GF-4-4	4" Grease Manifold	1		
13	GF-1827	Grease Fitting 1/8 NPT Straight	4		
14	H2-80-2MP-2MP	1/8 Hose, 1/8MP x 1/8MP x 80	1		
15	H2-180-2MP-2MP	1/8 Grease Hose 1/8MP x 1/8MP x 180	1		
16	H2-145-2MP-2MP	1/8 Hose, 1/8MP x 1/8MP x 145	1		
17	PR70131	Cover, Flow Control Cutout	1		
18	PIN-500-575	Pin 1/2 x 5-3/4 w/Lanyard & hairpin Clip	1		
100	BL-4-150-H	1/4-20 X 1-1/2 HEX CAP G5 ZC	2		
101	BL-4-FW	1/4 USS FW ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	2		
103	BL-6-100-C	3/8-16 X 1 CARRIAGE BOLT G5 ZC	8		
104	BL-6-125-C	3/8-16 X 1-1/4 CARRIAGE BOLT G5 ZC	8		
105	BL-6-SW	3/8 SAE FW ZC	16		
106	BL-6-LW	3/8 SPLIT LW ZC	16		
107	BL-6-N	3/8-16 HEX NUT ZC	16		
108	BL-8-200-H	1/2-13 X 2 HEX CAP G5 ZC	8		
109	BL-8-SW	1/2 SAE FW ZC	16		
110	BL-8-LN	1/2-13 LN NYLON INSERT ZC	8		

74318-2-02 MAIN DRIVE SHAFT

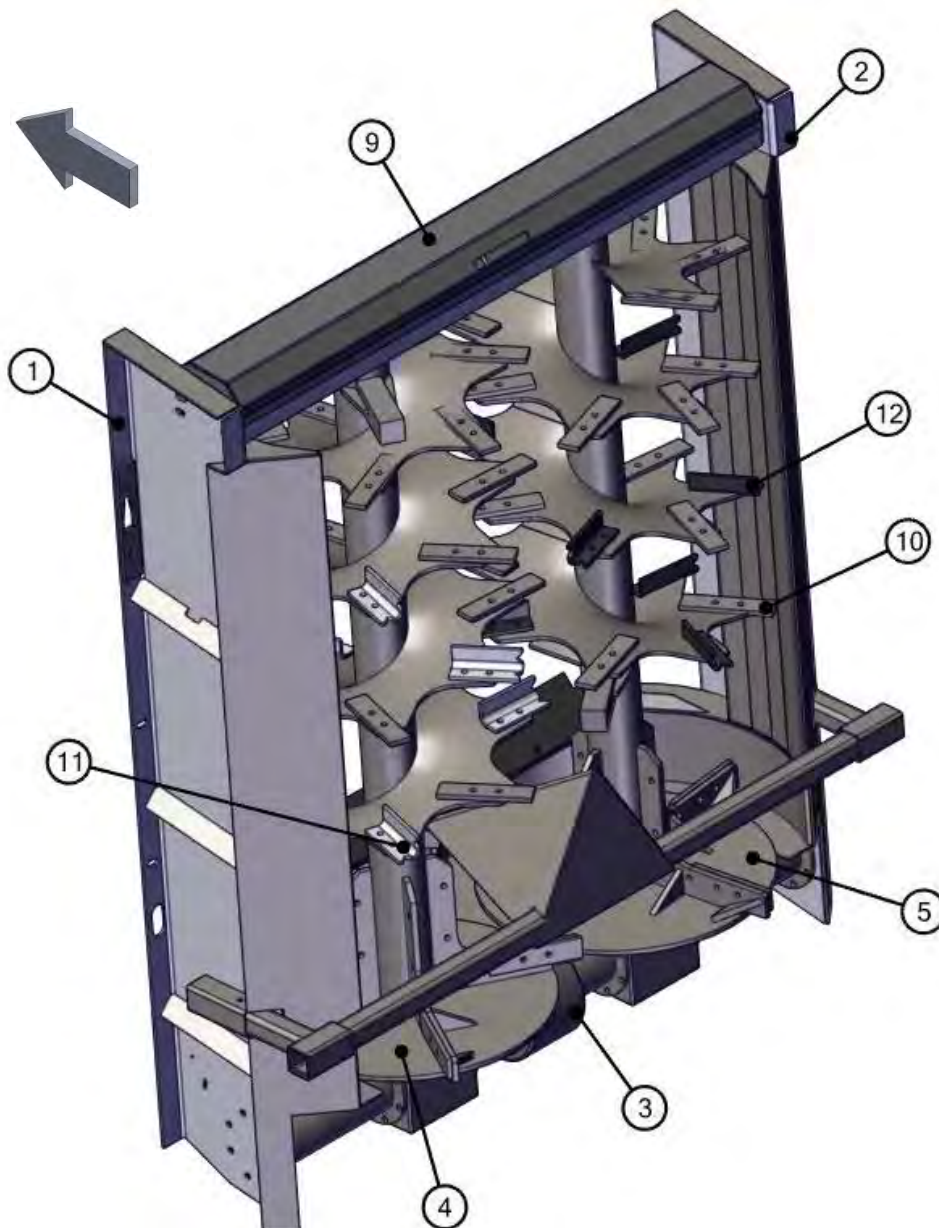


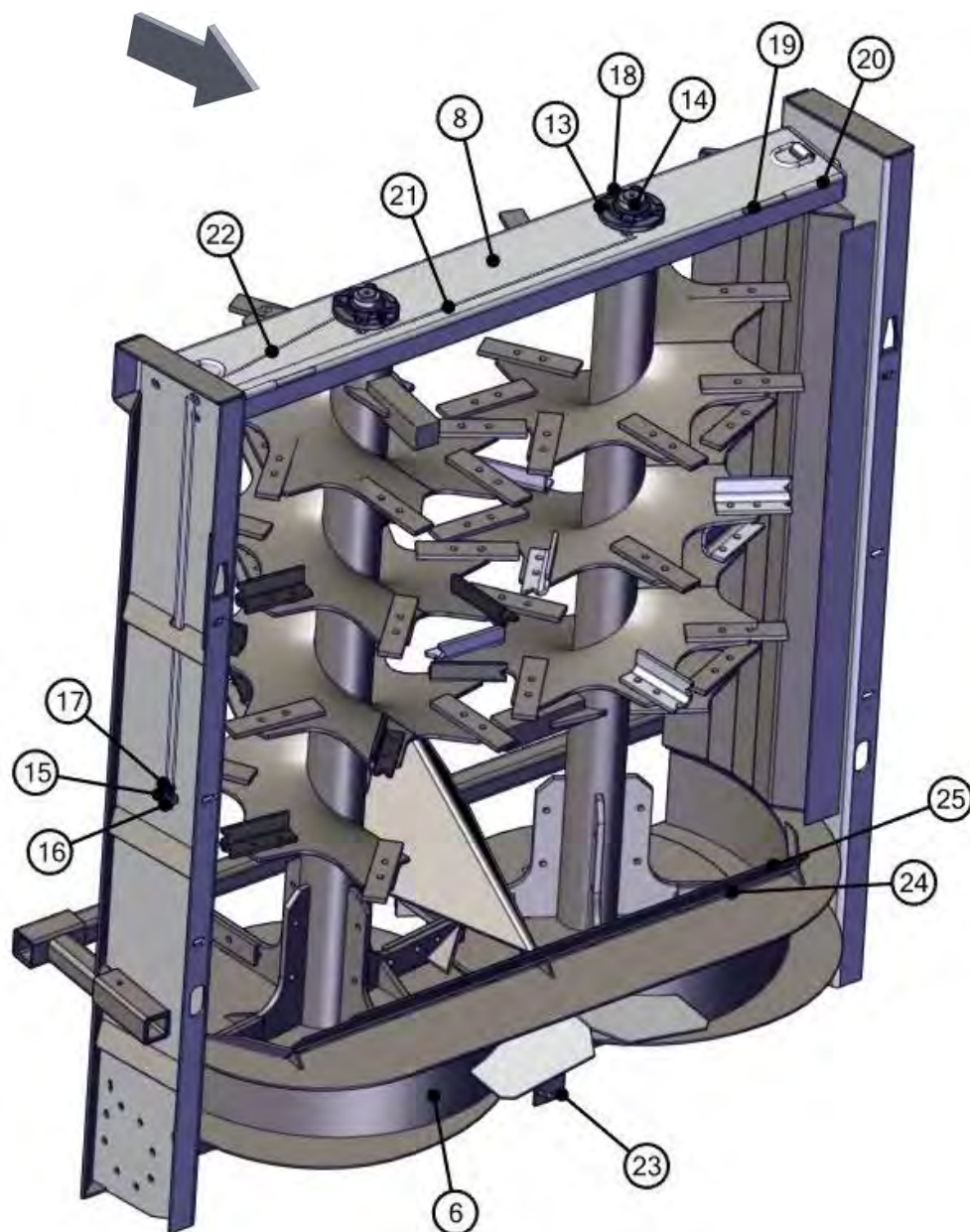
74321-2-03 VERTICAL BEATERS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70529	Beater Panel, LH	1		
2	PR70530	Beater Panel, RH	1		
3	VTB-1899-P2	Gearbox, 1000 rpm	1		
4	VTB-0068	Beater, LH	1		
5	VTB-0069	Beater, RH	1		
6	PR70533	Beater Pan	1		
8	PR70083	Beater Bearing Plate	1		
9	PR70096	Cover, Bearing Plate	1		
10	VTB-1899-F3	Knife, Weight Specific	42	1190VB: 71113001- 1180VB: 74015011-	
11	VTB-1899-B3	Claw/Blade, Left Beater From Rear	8		
12	VTB-1899-C3	Claw/Blade, Right Beater From Rear	8		
13	BR-085-4PF	85mm Four Bolt Piloted Flange Housing	2		
14	BR-175-085-I	Bearing, 1 ID, TS	2		
15	GF-2-2	2 Grease Manifold	1		
16	GF-1827	Grease Fitting 1/8 NPT Straight	2		
17	A-1503-2-2	1/8 MP x 1/8 FPX 45	2		
18	A-1404-2-2	1/8 MP x 1/8 FPX	2		
19	PR70133	Hinge Pin, 1/2 x 9	2		
20	PIN-C2-16	Cotter Pin, 1/8" x 1"	4		
21	H2-102-2MP-2MP	1/8 Hose 1/8MP x 1/8MP x 102 L	1		
22	H2-70-2MP-2MP	1/8 Hose 1/8MP x 1/8MP x 70 L	1		
23	PR50502	Shim, Bottom Panel under Gearbox	1		
24	PR70540	Belting bar	1		
25	PR70534	Belting	1		
26	HP-1038	Gear Lube, 80W90 @ Quart	11	Hydra Ram Spreader	
27	PR70086	Hose Mount	1		
100	BL-4-150-H	1/4-20 X 1-1/2 HEX CAP G5 ZC	1		
101	BL-4-FW	1/4 USS FW ZC	2		
102	BL-4-LN	1/4-20 HEX LN NE ZC	1		
103	BL-6-125-C	3/8-16 X 1-1/4 CARRIAGE BOLT G5 ZC	8		
104	BL-6-LW	3/8 SPLIT LW ZC	8		
105	BL-6-N	3/8-16 HEX NUT ZC	8		
106	BL-6-FW	3/8 USS FW ZC	8		
107	BL-7-200-H8	7/16-14 X 2 HH G8	8		
108	BL-7-LW	7/16 SPLIT LW ZC	8		
109	BL-7-FW-8	7/16 FW G8	8		
110	BL-8-FW	1/2 USS FW ZC	42		

74321-2-03 VERTICAL BEATERS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
111	BL-9-200-H8	9/16-12 X 2 HH G8	20		
112	BL-9-LN	9/16-12 LN w/ NYLON INSERT	20		
113	BL-10-175-H8	5/8-11 X 1-3/4 HH G8 ZC	118		
114	BL-10-200-H8	5/8-11 X 2 HEX CAP G8 ZC	12		
115	BL-10-LN	5/8-11 HEX LN NE ZC	6		
116	BL-10-LNS	5/8-11 STOVER LN	130		
117	BL-10-FW-8	5/8 FW G8	12		
118	BL-12-200-8	3/4-10 X 2 HH C/S G8 ZC	2		
119	BL-12-FW-8	3/4 FW G8	4		
120	BL-12-LN	3/4-10 LN w/ NYLON INSERTS	2		





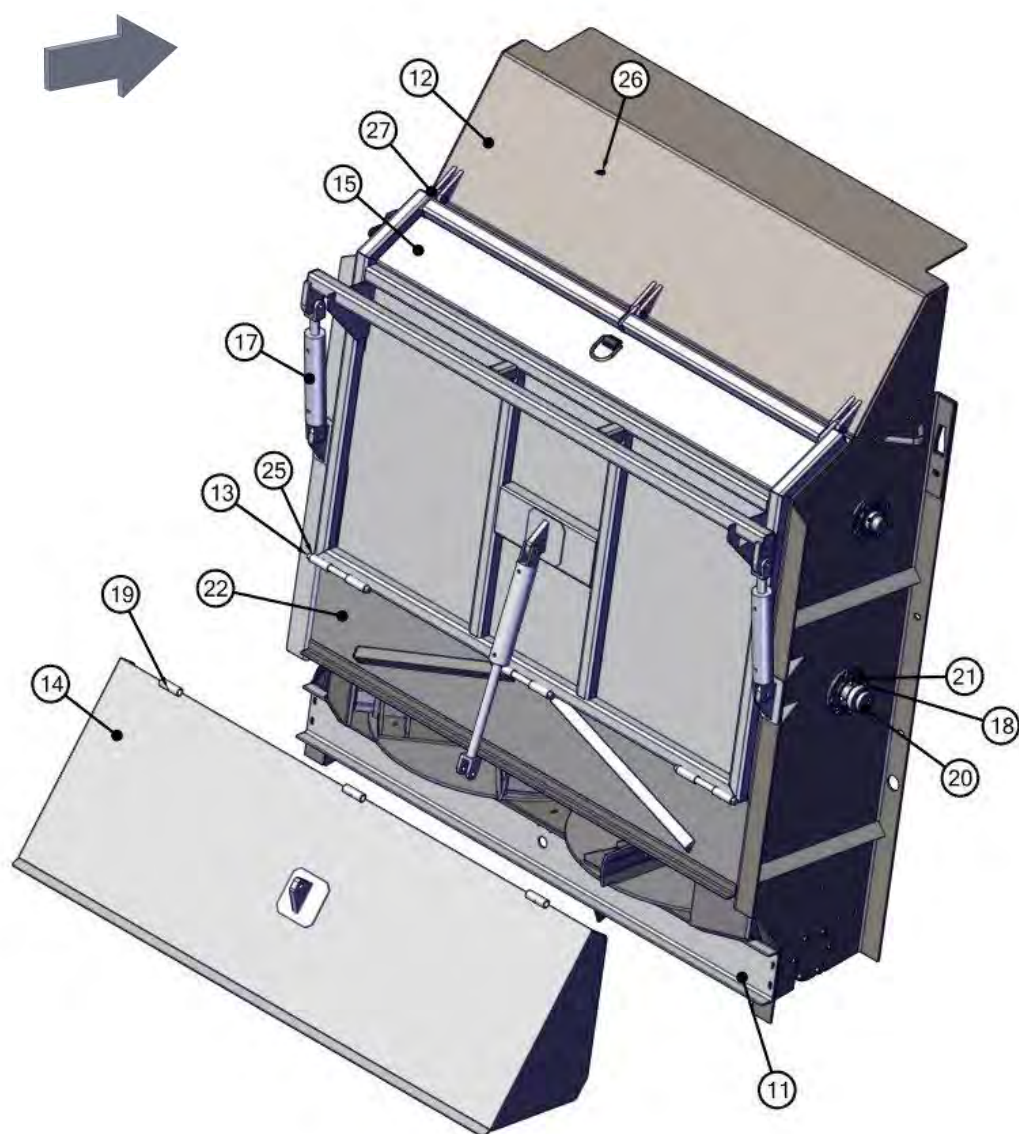
74321-2-03A OPTIONAL COMPOST BEATERS, HYDRAULIC PANELS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	VTB-CMP-2200-H	PTO Shaft, Side	1		
2	VTB-CMP-2200-D	Bottom Gearbox, 1840mm, 850mm Spinner Centers	1		
3	VTB-CMP-2200-C	Side Gearbox, Beaters	1		
4	VTB-CMP-2113	Horizontal Beater Assy.	2		
5	VTB-CMP-2110	Spinner Plate Assy, RH, 850mm Gbx	1		
6	VTB-CMP-2109	Spinner Plate Assy, LH, 850mm Gbx	1		
8	VTB-0047	Knife, Horiz. Comp. Beater	56		
9	PR70553	Beater Panel, RH	1		
10	PR70552	Beater Panel, LH	1		
11	PR70506	Rear Cross Member, Compost Beaters	1		
12	PR70502	Top Plate, Hood	1		
13	PR63535	Latch Pin	3		
14	PR70431	Custom Trim Shield	1		
15	PR63527	Back Panel, Hydraulic Lift Gate	1		
16	PR70551	Spinner Pan, Compost Beater, HD	1		
17	HC-150-1004	Welded Cylinder, 1.5, 10 Stroke	3		
18	GF-1827	Grease Fitting 1/8 NPT Straight	2		
19	GF-1428	Grease Fitting 1/4 x 28 straight	3		
20	BR-175-085-I	Bearing, 1 ID, TS	2		
21	BR-085-4PF	85mm Four Bolt Piloted Flange Housing	2		
22	PR70505	Diverter Panel, Compost	1		
23	PR70434	Pan Support	1		
25	PIN-C3-24	Cotter Pin 3/16 x 1 1/2	15		
26	HA-1031	Hydraulic Hose Holder 3/8	4		
27	PIN-10-28	Clevis Pin, 5/8 Dia, 1.75" usable	9		
28	PR63525-D	Angle	1		
29	PR70534	Belting	1		
30	PR70540	Belting Bar	1		
31	PR70269	Hose Mount	1		
100	BL-6-125-C	3/8-16 X 1-1/4 CARRIAGE BOLT G5 ZC	22		
101	BL-6-LW	3/8 SPLIT LW ZC	22		
102	BL-6-N	3/8-16 HEX NUT ZC	22		
103	BL-6-SW	3/8 SAE FW ZC	22		
104	BL-7-200-H8	7/16-14 X 2 HH G8	8		
105	BL-7-FW-8	7/16 FW G8	8		
106	BL-7-LW	7/16 SPLIT LW ZC	8		
107	BL-8-150-C	1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC	4		
108	BL-8-200-H	1/2-13 X 2 HEX CAP G5 ZC	6		

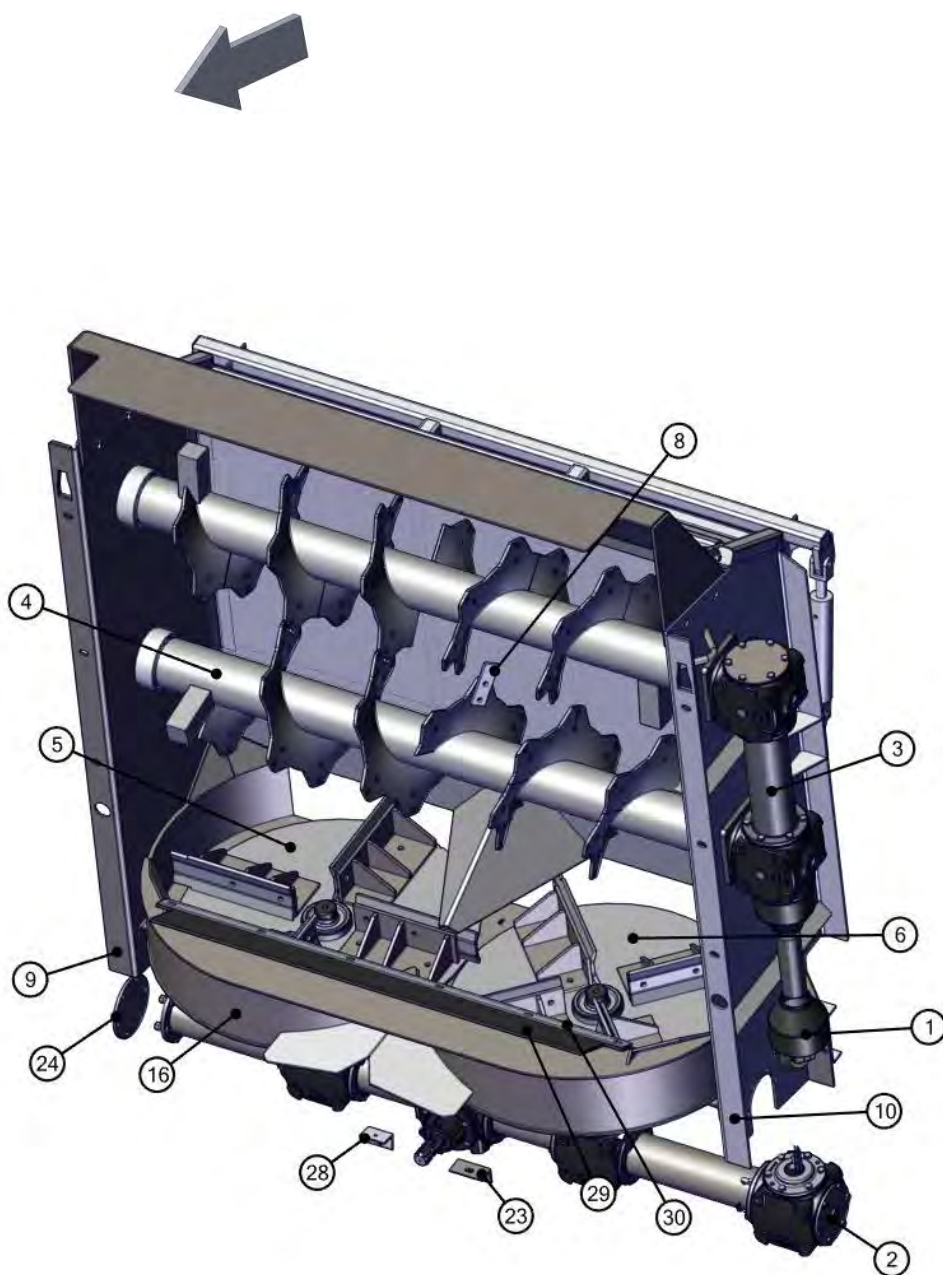
74321-2-03A OPTIONAL COMPOST BEATERS, HYDRAULIC PANELS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
110	BL-8-LN	1/2-13 LN NYLON INSERT ZC	6		
111	BL-8-LW	1/2 SPLIT LW ZC	4		
112	BL-8-N	1/2-13 HEX FIN NUTS ZC	4		
113	BL-8-SW	1/2 SAE FW ZC	16		
114	BL-10-175-H8	5/8-11 X 1-3/4 HH G8 ZC	16		
115	BL-10-200-H8FC	5/8-11 X 2 HH Flange G8, Course Thread, Phos & Oil	16		
116	BL-10-LN-8FC	5/8-11 Stover LN, Grade G, Flange Top, Phos & Oil	32		
117	BL-10-LW	5/8 SPLIT LW ZC	8		
118	BL-10-SW	5/8 SAE FW ZC	8		
119	BL-12-175-H-8	3/4-10 X 1-3/4 HH G8	4		
120	BL-12-200-8	3/4-10 X 2 HH C/S G8 ZC	4		
121	BL-12-FW	3/4 FW	16		
122	BL-12-N	3/4-10 NUT	8		
123	BL-M-14-40-H	M14-2 X 40 HHCS ZC	8		
124	BL-10W-500-SC	#10 x 1/2" Self Tapping Screw	2		
125	BL-9-150-H8	9/16-12 X 1 1/2 HEX CAP G8 ZC	112		
126	BL-9-LNS	9/16"-12, STOVER LN	112		
800	VTB-CMP-2117	Spinner Plate, RH	1		
801	VTB-CMP-2114	Spinner Plate, LH	1		
802	VTB-CMP-2118	Mount, Paddle RH	4		
803	VTB-CMP-2115	Mount, Paddle LH	4		
804	VTB-CMP-2116	Compost Paddle	16		
805	VTB-CMP-2200-M	Disc Washer, Metric	2		
806	VTB-CMP-2200-L	M14 X 1.5 X 45 HH Bolt	2		

74321-2-03A OPTIONAL COMPOST BEATERS, HYDRAULIC PANELS



74321-2-03A OPTIONAL COMPOST BEATERS, HYDRAULIC PANELS



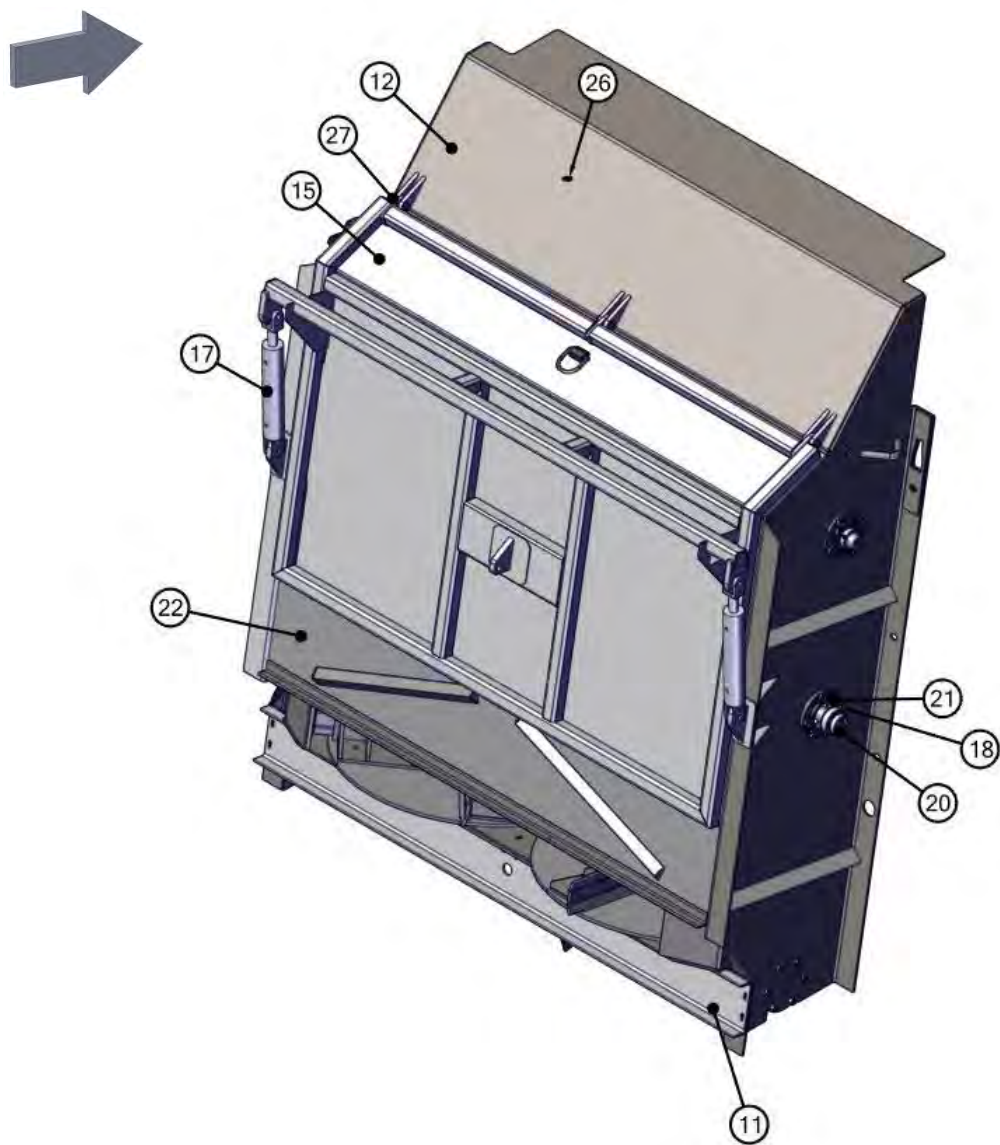
74321-2-03B OPTIONAL COMPOST BEATERS WITHOUT TRIM PANEL

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	VTB-CMP-2200-H	PTO Shaft, Side	1		
2	VTB-CMP-2200-D	Bottom Gearbox, 1840mm, 850mm Spinner Centers	1		
3	VTB-CMP-2200-C	Side Gearbox, Beaters	1		
4	VTB-CMP-2113	Horizontal Beater Assy.	2		
5	VTB-CMP-2110	Spinner Plate Assy, RH, 850mm Gbx	1		
6	VTB-CMP-2109	Spinner Plate Assy, LH, 850mm Gbx	1		
8	VTB-0047	Knife, Horiz. Comp. Beater	56		
9	PR70553	Beater Panel, RH	1		
10	PR70552	Beater Panel, LH	1		
11	PR70506	Rear Cross Member, Compost Beaters	1		
12	PR70502	Top Plate, Hood	1		
15	PR63527	Back Panel, Hydraulic Lift Gate	1		
16	PR70551	Spinner Pan, Compost Beater, HD	1		
17	HC-150-1004	Welded Cylinder, 1.5, 10 Stroke	2		
18	GF-1827	Grease Fitting 1/8 NPT Straight	2		
20	BR-175-085-I	Bearing, 1 ID, TS	2		
21	BR-085-4PF	85mm Four Bolt Piloted Flange Housing	2		
22	PR70505	Diverter Panel, Compost	1		
23	PR70434	Pan Support	1		
25	PIN-C3-24	Cotter Pin 3/16 x 1 1/2	7		
26	HA-1031	Hydraulic Hose Holder 3/8	4		
27	PIN-10-28	Clevis Pin, 5/8 Dia, 1.75" usable	7		
28	PR63525-D	Angle	1		
29	PR70534	Belting	1		
30	PR70540	Belting Bar	1		
31	PR70269	Hose Mount	1		
100	BL-6-125-C	3/8-16 X 1-1/4 CARRIAGE BOLT G5 ZC	22		
101	BL-6-LW	3/8 SPLIT LW ZC	22		
102	BL-6-N	3/8-16 HEX NUT ZC	22		
103	BL-6-SW	3/8 SAE FW ZC	22		
104	BL-7-200-H8	7/16-14 X 2 HH G8	8		
105	BL-7-FW-8	7/16 FW G8	8		
106	BL-7-LW	7/16 SPLIT LW ZC	8		
107	BL-8-150-C	1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC	4		
108	BL-8-200-H	1/2-13 X 2 HEX CAP G5 ZC	6		

74321-2-03B OPTIONAL COMPOST BEATERS WITHOUT TRIM PANEL

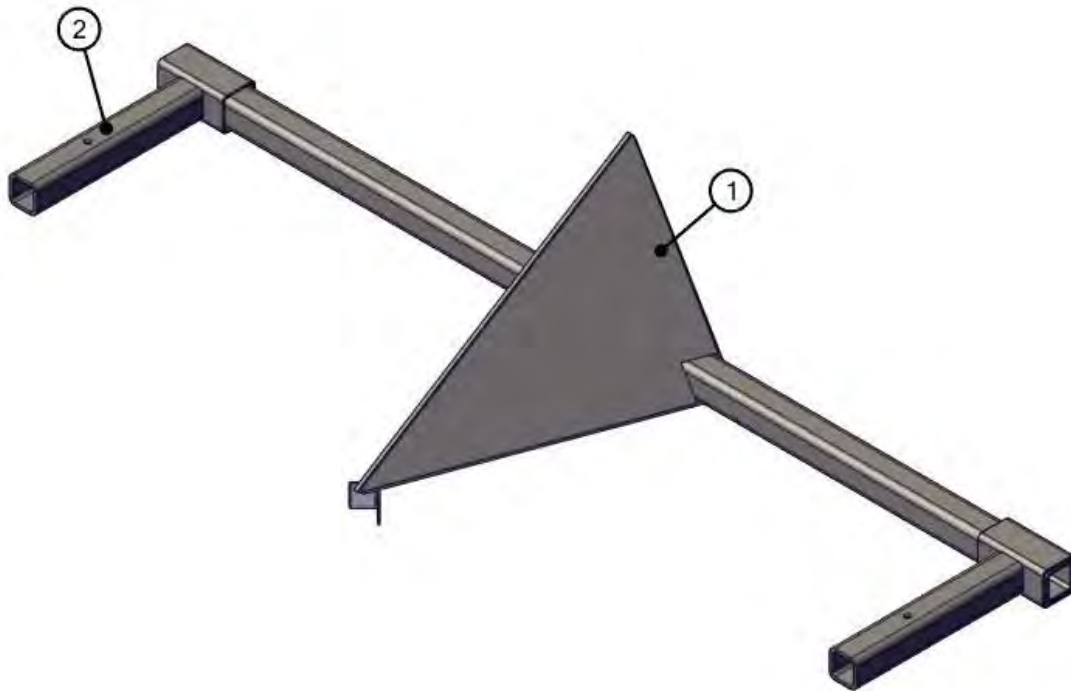
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
110	BL-8-LN	1/2-13 LN NYLON INSERT ZC	6		
111	BL-8-LW	1/2 SPLIT LW ZC	4		
112	BL-8-N	1/2-13 HEX FIN NUTS ZC	4		
113	BL-8-SW	1/2 SAE FW ZC	16		
114	BL-10-175-H8	5/8-11 X 1-3/4 HH G8 ZC	16		
115	BL-10-200-H8FC	5/8-11 X 2 HH Flange G8, Course Thread, Phos & Oil	16		
116	BL-10-LN-8FC	5/8-11 Stover LN, Grade G, Flange Top, Phos & Oil	32		
117	BL-10-LW	5/8 SPLIT LW ZC	8		
118	BL-10-SW	5/8 SAE FW ZC	8		
119	BL-12-175-H-8	3/4-10 X 1-3/4 HH G8	4		
120	BL-12-200-8	3/4-10 X 2 HH C/S G8 ZC	4		
121	BL-12-FW	3/4 FW	16		
122	BL-12-LN	3/4-10 LN w/ NYLON INSERTS	8		
123	BL-M-14-40-H	M14-2 X 40 HHCS ZC	8		
124	BL-10W-500-SC	#10 x 1/2" Self Tapping Screw	2		
125	BL-9-150-H8	9/16-12 X 1 1/2 HEX CAP G8 ZC	112		
126	BL-9-LNS	9/16"-12, STOVER LN	112		
800	VTB-CMP-2117	Spinner Plate, RH	1		
801	VTB-CMP-2114	Spinner Plate, LH	1		
802	VTB-CMP-2118	Mount, Paddle RH	4		
803	VTB-CMP-2115	Mount, Paddle LH	4		
804	VTB-CMP-2116	Compost Paddle	16		
805	VTB-CMP-2200-M	Disc Washer, Metric	2		
806	VTB-CMP-2200-L	M14 X 1.5 X 45 HH Bolt	2		

74321-2-03B OPTIONAL COMPOST BEATERS WITHOUT TRIM PANEL



74321-2-03C LITTER SPLITTER ATTACHMENT

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70535	Deflector Weldment	1		
2	PR70536	Adjuster	2		
100	BL-8-150-SHSS	1/2-13 X 1-1/2 Sq Head Set Screw	4		
101	BL-8-400-H8	1/2-13 X 4 HH BOLT G8	2		
102	BL-8-FW	1/2 USS FW ZC	4		
103	BL-8-LN	1/2-13 LN NYLON INSERT ZC	2		

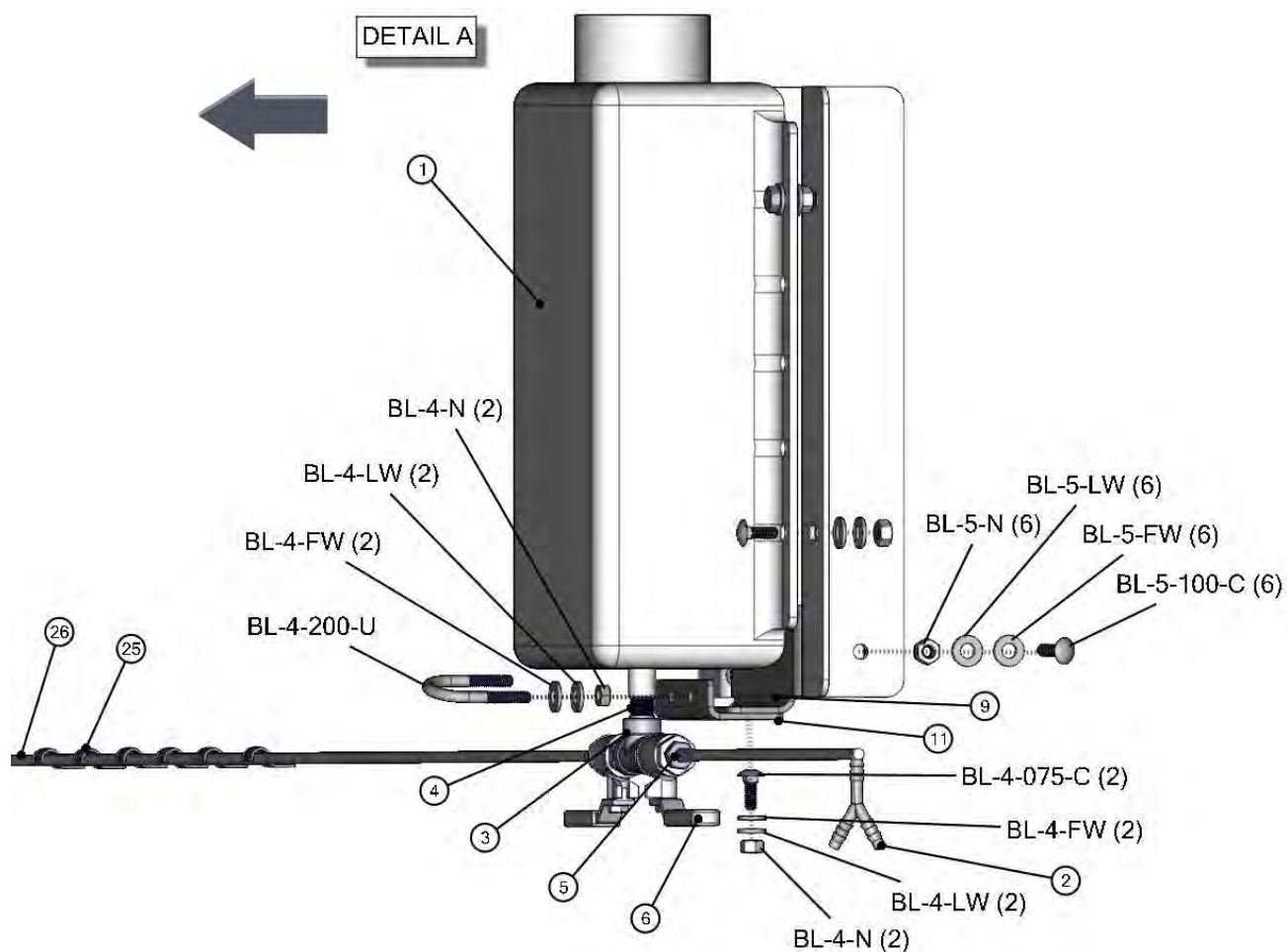


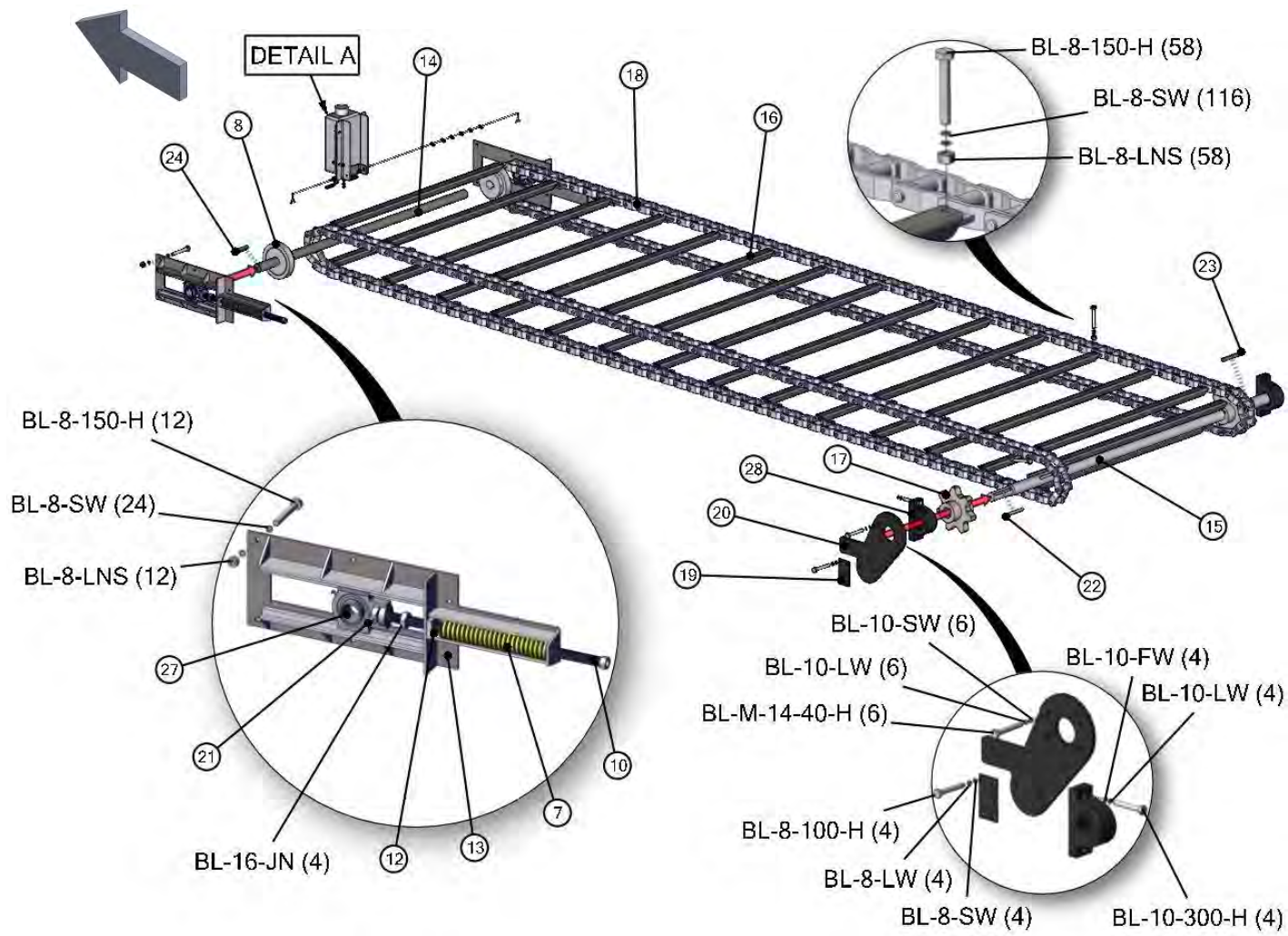
74318-2-04 WEB CHAIN DRIVE

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	VPA-NVE-36001	5 Quart Reservoir with Black Cap, NVE Style	1		
2	AYN-4-4-4	¼ x ¼ x ¼ White Nylon Hose Barb Wye	2		
3	ATB-4-4-4	¼ x ¼ x ¼ Brass Tee	1		
4	AN-4-CLB	¼ NPT Close Nipple, Brass	3		
5	A-4124-4-4	¼ Male Pipe x ¼ Push Loc	2		
6	VLV-025-B	¼ Brass Ball Valve	2		
7	SPRG-1200-EH	Spring, Extra Heavy 2 Hole Dia., 1 Rod x 12 Long	2		
8	RLR-0030	Spreader Chain Roller	2		
9	PR70330	Chain Oil System Bracket	1		
10	PR70319	Tension Bolt, Chain Spreader	2		
11	PR70316	Chain Oil System Bracket	1		
12	PR70313	Machined Nut	2		
13	PR70309	Housing, Takeup Bearing, In house made	2		
14	PR70288	Chain Shaft, Front	1		
15	PR70276	Rear Drive Shaft	1	HP500	
16	PR60425	Chain Flighting, Center Tab	29		
17	PR60424	Drive Spocket, WH124 Pintle Chain, 2 Pc Sprocket, 2 1/2 Bore, 5/8 Keyway	2		
18	pr60423	Pull Chain, Std Duty Pintle Style, Tab Center of Link, Universal	2		
19	PR60068	Mount, Torque Plate, Gearbox	1		
20	PR60066	Torque Plate, Gearbox	1		
21	PIN-4-36	Roll Pin 1/4 x 2.25	2		
22	KEY-8-8-86-HCS	1/2in Key 5.375in Long, High Carbon Steel	1		
23	KEY-10-10-550-HCS	5/8in Key, 5.50in Long, 4140 Material	2		
24	KEY-10-10-300-HCS	3 KEY STOCK	2		
25	HA-1031	Hydraulic Hose Holder 3/8	6		
26	H4-PL	Push Loc Hose 1/4 @ ft	12		
27	BRG-32-TU	Bearing, Takeup, 5/8 Keyway, 2.00 Shaft	2		
28	BR-250-HD	Heavy Duty 2-1/2 Brg Assy, W/Pillow Block	2		
100	BL-4-075-C	1/4 UNC X CARRIAGE BOLT G5 ZC	2		
101	BL-4-200-U	1/4 U Bolt 1 1/8 wide 2 long	1		
102	BL-4-FW	1/4 USS FW ZC	4		
103	BL-4-LW	1/4 SPLIT LW ZC	4		
104	BL-4-N	1/4-20 HEX FIN NUT ZC	4		
105	BL-5-100-C	5/16-18 x 1, Z5	6		
106	BL-5-FW	5/16 USS FW ZC	6		
107	BL-5-LW	5/16 SPLIT LW ZC	6		
108	BL-5-N	5/16-18 UNC HEX NUT A563 GrA ZINC	6		
109	BL-8-100-H	1/2-13 X 1 HEX CAP G5 ZC	4		
110	BL-8-150-H	1/2-13 X 1-1/2 HH C/S BOLT G5 ZC	70		

74318-2-04 WEB CHAIN DRIVE

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
111	BL-8-LNS	1/2-13 STOVER LN	70		
112	BL-8-LW	1/2 SPLIT LW ZC	4		
113	BL-8-SW	1/2 SAE FW ZC	144		
114	BL-10-300-H	5/8-11 X 3 HEX CAP G5 ZC	4		
115	BL-10-FW	5/8 USS FW ZC	4		
116	BL-10-LW	5/8 SPLIT LW ZC	10		
117	BL-16-JN	1-8 JAM NUT HEX Gr 5 YZ	4		
118	BL-M-14-40-H	M14-2 X 40 HHCS ZC	6		
119	BL-10-SW	5/8 SAE FW ZC	6		
120	BL-6-050-SC	3/8-16 x 1/2" Knurled Point Set Screw	2		
800	PR60423-PC	WH1124 Link w/Pin & Cotter, Pull Chain	1		

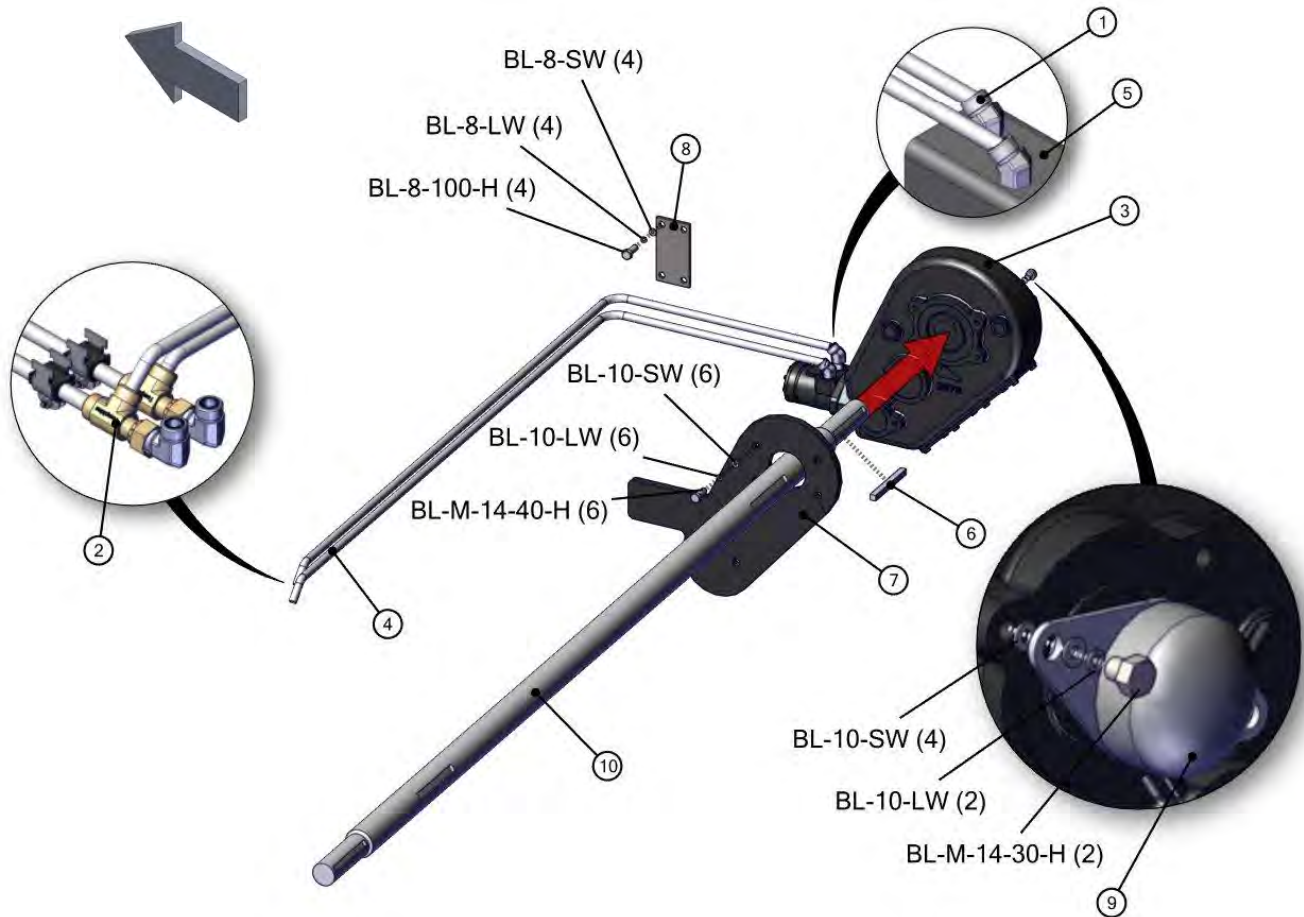




74319-2-04A OPTIONAL DUAL WEB CHAIN DRIVE

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	A-FF2503-10-08	Elbow, 45, 10MFF x 8MP	2		
2	A-FF6602-12-12-12	RUN TEE, 12MFF X 12MFF X 12FFFX	2		
3	GBX-1893	Gearbox, Vertical Beater Apron Drive	1		
4	H10-82-10FFFX-12FFFX	5/8 Hose, 5/8 Female ORFS x 3/4 Female ORFS	2		
5	HM-1893	Orbit Motor, Vertical Beater Apron Drive	1		
6	KEY-8-8-86-HCS	1/2in Key 5.375in Long, High Carbon Steel	1		
7	PR60066	Torque Plate, Gearbox	1		
8	PR60068	Mount, Torque Plate, Gearbox	1		
9	PR70356	Cap, HP Spreader Gearbox	1		
10	PR70462	Rear Drive Shaft, Dual Drive	1		
11	PR70276	Rear Drive Shaft	-1	HP500	
100	BL-8-100-H	1/2-13 X 1 HEX CAP G5 ZC	4		
101	BL-8-LW	1/2 SPLIT LW ZC	4		
102	BL-8-SW	1/2 SAE FW ZC	4		
103	BL-10-LW	5/8 SPLIT LW ZC	8		
104	BL-10-SW	5/8 SAE FW ZC	10		
105	BL-M-14-30-H	Hex Head Bolt, 14mm x 30mm	2		
106	BL-M-14-40-H	M14-2 X 40 HHCS ZC	6		

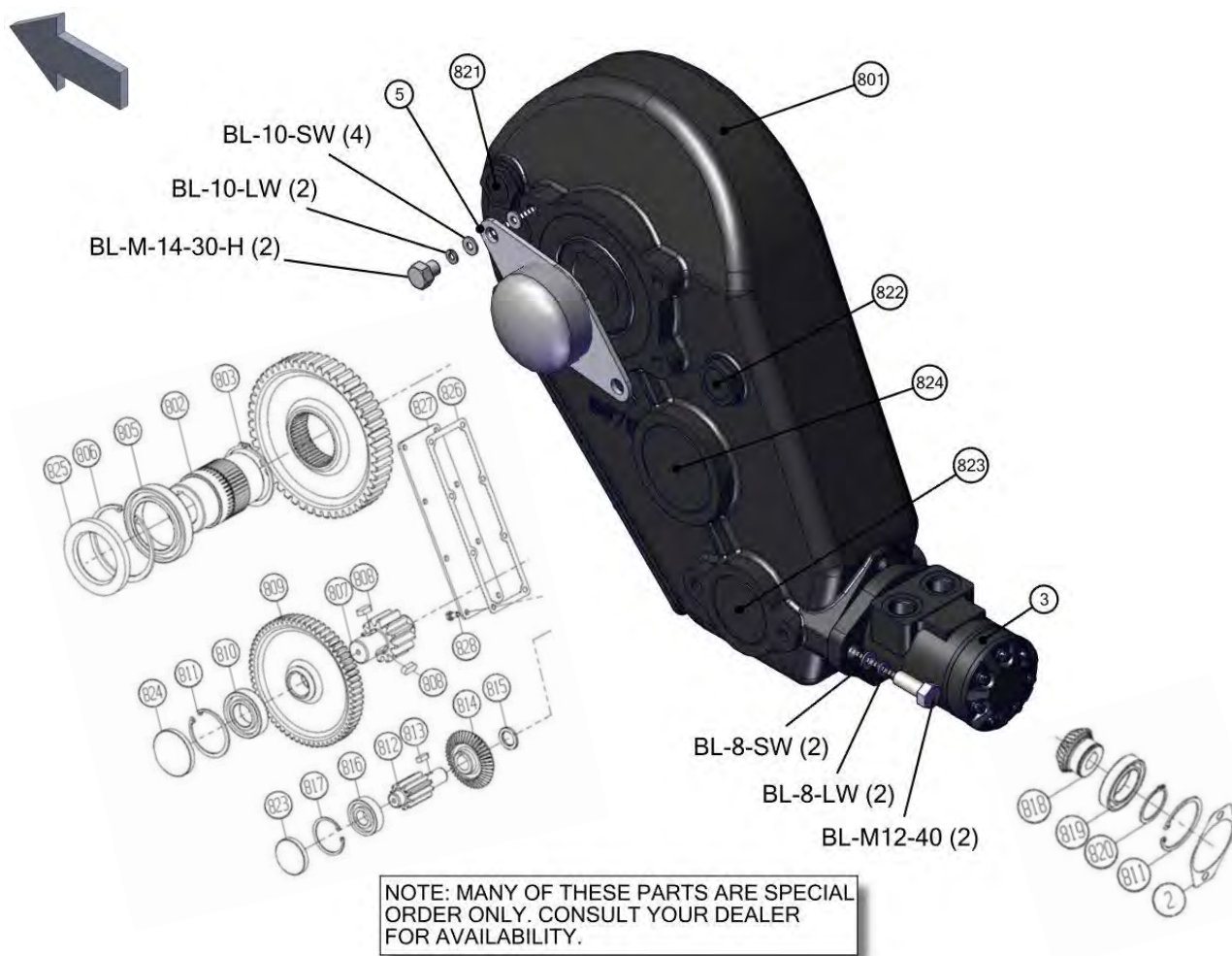
74319-2-04A OPTIONAL DUAL WEB CHAIN DRIVE



74318-2-05 WEB CHAIN GEARBOX AND MOTOR

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	GBX-1893	Gearbox, Vertical Beater Apron Drive	1		
2	PR60026	Flange Gasket, Apron Drive Gear Box	1		
3	HM-1893	Orbit Motor, Vertical Beater Apron Drive	1		
4	HP-1038	Gear Lube, 80W90 @ Quart	3	Hydra Ram Spreader	
5	PR70356	Cap, HP Spreader Gearbox	1		
100	BL-10-LW	5/8 SPLIT LW ZC	2		
101	BL-10-SW	5/8 SAE FW ZC	4		
102	BL-8-LW	1/2 SPLIT LW ZC	2		
103	BL-8-SW	1/2 SAE FW ZC	2		
104	BL-M12-40	12MM Bolt, Coarse Thread, 40MM Length	2		
105	BL-M-14-30-H	Hex Head Bolt, 14mm x 30mm	2		
801	GBX-1893-D	Housing	1		
802	GBX-1893-B	Gearbox Hub	1		
803	GBX-1893-C	Internal Retaining Clip	1		
804	GBX-1893-E	Gear Z=54	1		
805	GBX-1893-A	Ball Bearing, Open	2		
806	GBX-1893-F	Internal Clip	2		
807	GBX-1893-G	Pinion Z=12	1		
808	GBX-1893-H	Key 12x8x30	2		
809	GBX-1893-I	Gear Z=63	1		
810	GBX-1893-J	Bearing 6208	2		
811	GBX-1893-K	Circlip I 80	3		
812	GBX-1893-L	Pinion Z=10	1		
813	GBX-1893-M	Key 8x7x25	1		
814	GBX-1893-N	Gear Z=43	1		
815	GBX-1893-O	Spacer	1		
816	GBX-1893-P	Bearing 6305	2		
817	GBX-1893-Q	Circlip I 62	2		
818	GBX-1893-R	Pinion Z=28	1		
819	GBX-1893-S	Bearing	1		
820	GBX-1893-T	Circlip E 50	1		
821	GBX-1893-U	Oil Plug 1 Gas	2		
822	GBX-1893-V	Oil Level Indic. 1 Gas	2		
823	GBX-1893-W	Plug	2		
824	GBX-1893-X	Plug	2		
825	GBX-1893-Y	Shaft Seal, Gearbox	2		
826	GBX-1893-Z	Gasket	1		
827	GBX-1893-A1	Cover	1		
828	GBX-1893-B1	Screw, hex-hd M8x16	8		

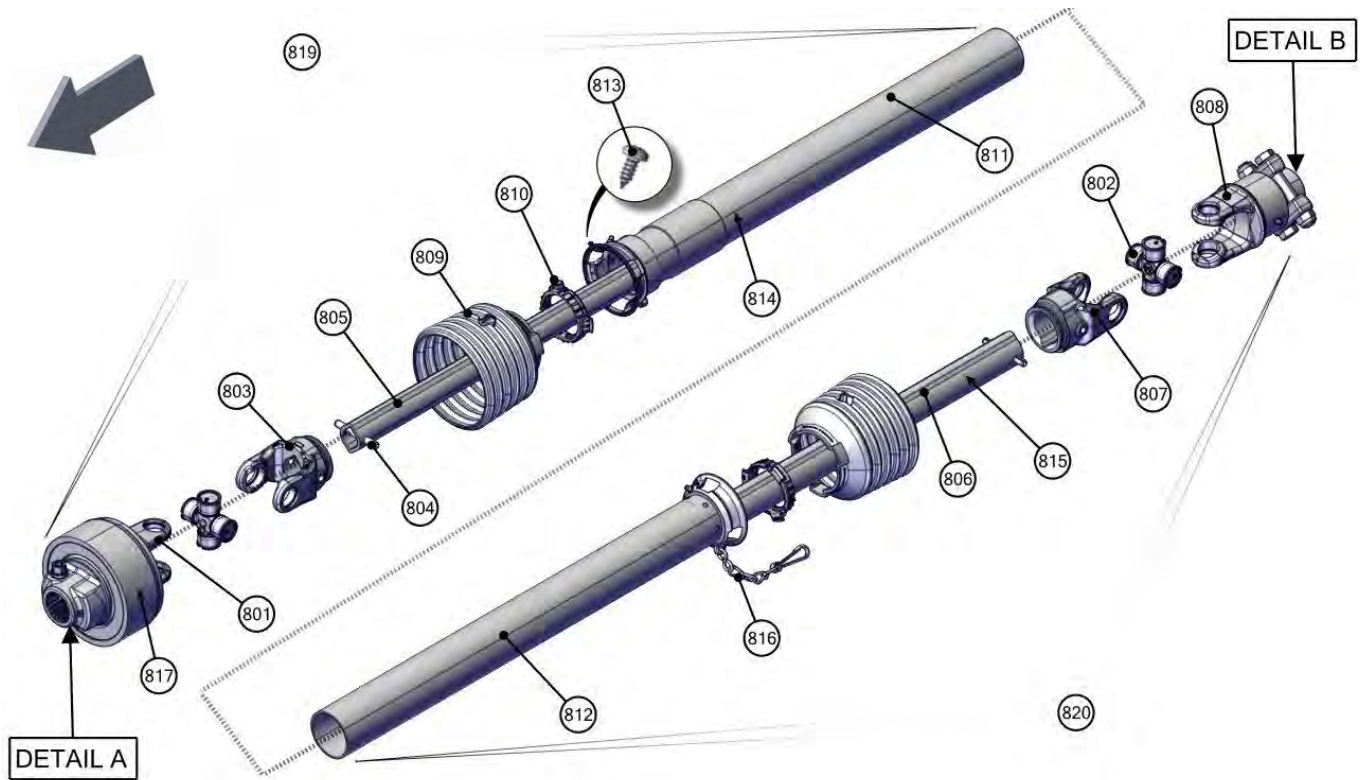
74318-2-05 WEB CHAIN GEARBOX AND MOTOR



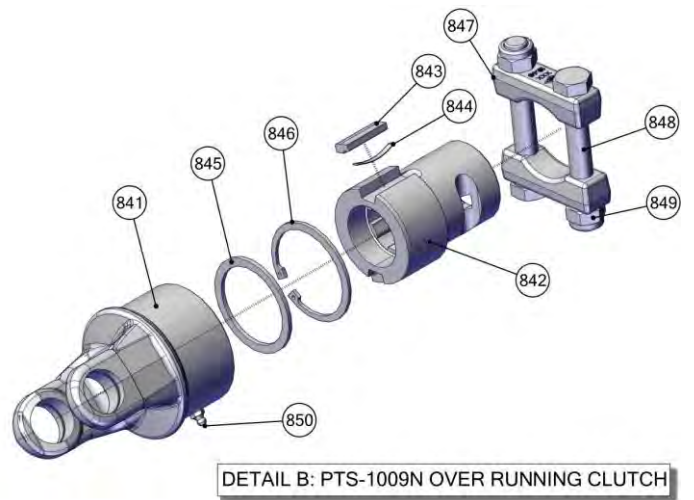
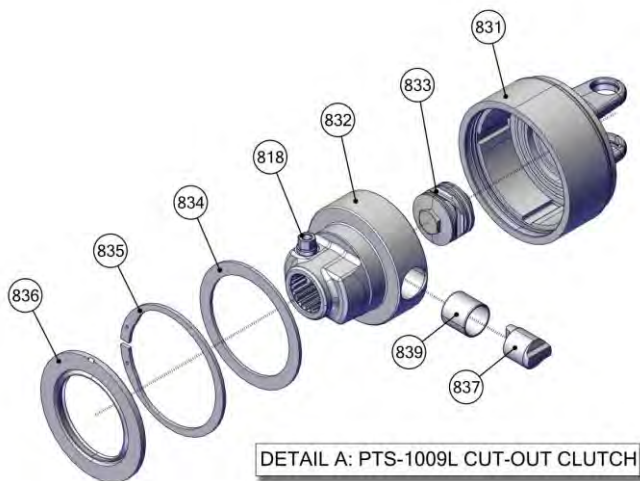
74318-2-06 REAR DRIVELINE WITH CLUTCH

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PTS-1023	Driveline, Rear, Chain Models, HP380, HP500	1		
801	PTS-1009L	Cut-Out Clutch	1		Special Order Only
802	PTS-1010B	Cross & Bearing Kit	2		Special Order Only
803	PTS-1009B	Inboard Yoke, 1b	1		Special Order Only
804	PTS-1010C	Spring Pin	2		Special Order Only
805	PTS-1023A	Inner Profile 1b	1		
806	PTS-1023B	Outer Profile 2a	1		
807	PTS-1010D	Inboard Yoke	1		Special Order Only
808	PTS-1009N	Overrunning Clutch	1		Special Order Only
809	PTB-1014I	Shield Cone 6 Rib	2		Special Order Only
810	PTS-1002J	PTO Shield Bearing Ring	2		Special Order Only
811	PTS-1023C	Guard Tube, Outer	1		
812	PTS-1023D	Guard Tube, Inner	1		
813	PTS-1010K	Screw	2		Special Order Only
814	PTS-1010L	Decal, Outer	1		Special Order Only
815	PTS-1010M	Decal, Inner	1		Special Order Only
816	PTS-1002K	PTO Shield Safety Chain	1		Special Order Only
817	PTS-1009J	Decal	1		Special Order Only
818	PTS-1009K	CC Lock Assembly	1		Special Order Only
819	PTS-1023-FH	Front Half, Drive Shaft	1		
820	PTS-1023-RH	Rear Half, Drive Shaft	1		
831	PTS-1009E-B	Housing	1		Special Order Only
832	PTS-1009E-C	Hub 1-3/4-20 Spl CC	1		Special Order Only
833	PTS-1009E-D	Spring Pack	1		Special Order Only
834	PTS-1009E-E	Washer	1		Special Order Only
835	PTS-1009E-F	Retaining Ring	1		Special Order Only
836	PTS-1009E-G	Sealing Ring	1		Special Order Only
837	PTS-1009E-A	Cam	2		Special Order Only
839	PTS-1009E-J	Bushing - in PTS-1009E-C	2		Special Order Only
841	PTS-1020A-A	Clutch Housing	1		Special Order Only
842	PTS-1009N-A	Hub	1		Special Order Only
843	PTS-1010F-A	Key	2		Special Order Only
844	PTS-1010F-B	Leaf Spring	2		Special Order Only
845	PTS-1009N-B	Supporting Ring	1		Special Order Only
846	PTS-1010F-G	Retaining Ring	1		Special Order Only
847	PTS-1009N-C	Clamp Bridge	2		Special Order Only
848	PTS-1009N-D	Hex Bolt - M16 x 110L	2		Special Order Only
849	PTS-1009N-E	Locknut - M16	2		Special Order Only
850	PTS-1008C	Zerk, Double Yoke	1		Special Order Only

74318-2-06 REAR DRIVELINE WITH CLUTCH



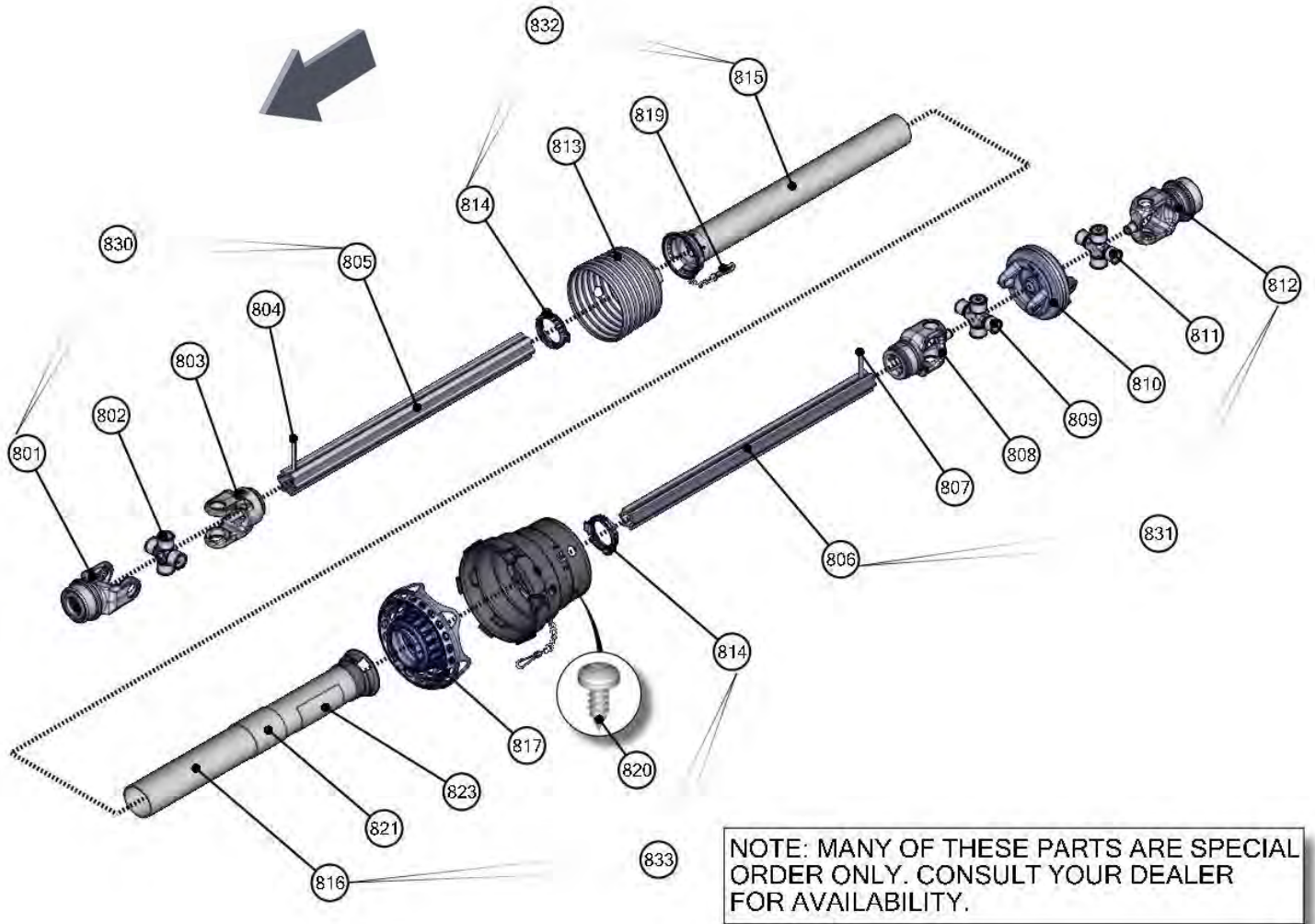
NOTE: MANY OF THESE PARTS ARE SPECIAL ORDER ONLY. CONSULT YOUR DEALER FOR AVAILABILITY.



74318-2-06A OPTIONAL REAR DRIVELINE, COMPOST

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PTS-1022	Driveline, 1-3/4-20 Spline, PWE580 Compost Drive	1		
801	PTS-1002A	PTO Tractor Yoke (Walterscheid) 1-3/4 x 20 Spline	1	19101-	
802	PTS-4001B	Extended Lube Cross & Bearing Kit	1	Walterscheid Yokes	Special Order Only
803	PTS-1022A	Inboard Yoke SS	1		
804	PTS-3001-D	Spring Pin 10x90	1		
805	PTS-1022F	Outer Profile S5G	1		
806	PTS-1022G	Inner Profile S4LGA	1		
807	PTS-1014C	Spring Pin 10 X 75	1		Special Order Only
808	PTS-1005D	Inboard Yoke S4	1		Special Order Only
809	PTB-1022B	Cross & Bearing Kit	1		
810	PTS-1005B	Double Yoke	1		Special Order Only
811	PTS-1022C	Cross & Bearing Kit	1		
812	PTS-1022D	Yoke ASG	1		
813	PTS-1002E	7 Rib PTO Shield Cone (Walterscheid)	1	19101-	
814	PTS-1002J	PTO Shield Bearing Ring	2		Special Order Only
815	PTS-1022E	Guard Tube Inner	1		
816	PTS-1022H	Guard Inner Tube	1		
817	PTS-1015M	Flex Net & Guard Assy	1		
818	PTS-1015L	CV Guard & Bearing Assy	1		
819	PTS-1002K	PTO Shield Safety Chain	2		Special Order Only
820	PTS-1010K	Screw	10		Special Order Only
821	PTS-1010L	Decal, Outer	1		Special Order Only
822	PTS-1010M	Decal, Inner	1		Special Order Only
823	PTS-1021P	Lubrication Decal	1	Replaces PTS-1008Q	Special Order Only
824	PTS-1008R	ASG Collar Kit	1		Special Order Only
830	PTS-1022-FH	Front Half, Drive Shaft	1		
831	PTS-1022-RH	Rear Half, Drive Shaft	1		
832	PTS-1022FS	Inner Guard Kit	1		
833	PTS-1022RS	Outer Guard Kit	1		

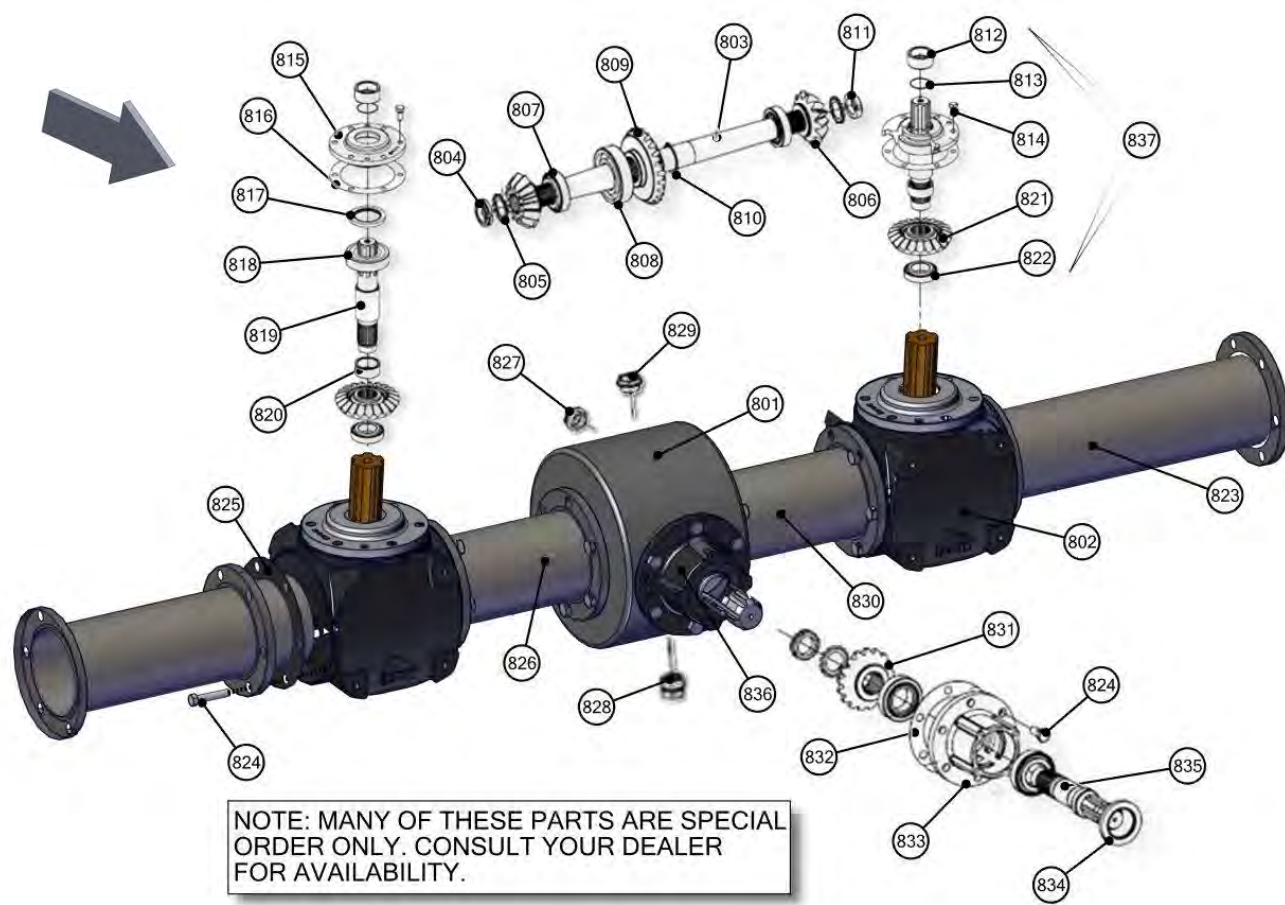
74318-2-06A OPTIONAL REAR DRIVELINE, COMPOST



74318-2-07 GEARBOX, VERTICAL BEATERS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
801	VTB-1899-A1	Housing	1		Special Order Only
802	VTB-1899-B1	Housing	2		Special Order Only
803	VTB-1899-C1	Shaft	1		Special Order Only
804	VTB-1899-D1	Threaded Ring, LH Thread	2		Special Order Only
805	VTB-1899-E1	Washer	3		Special Order Only
806	VTB-1899-F1	Bevel Pinion Z=13	2		Special Order Only
807	VTB-1899-G1	Bearing 32209	4		Special Order Only
808	VTB-1899-H1	Bearing 6311	1		Special Order Only
809	VTB-1899-J1	Gear Z=24	1		
810	VTB-1899-K1	Circlip E 55	1		Special Order Only
811	VTB-1899-L1	Threaded Ring, RH Thread	1		Special Order Only
812	VTB-1899-M1	Spacer	2		Special Order Only
813	VTB-1899-N1	O-ring 2212	2		Special Order Only
814	VTB-1899-P1	Screw, hex-hd M14X30	12		Reference Only, Special Order
815	VTB-1899-Q1	Calotte	2		Special Order Only
816	VTB-1899-R1	Gasket	2		Special Order Only
817	VTB-1899-S1	Oil Seal	2		Special Order Only
818	VTB-1899-T1	Bearing 6311-2RS	2		Special Order Only
819	VTB-1899-U1	Shaft	2		Special Order Only
820	VTB-1899-V1	Spacer	2		Special Order Only
821	VTB-1899-W1	Gear Z=22	2		
822	VTB-1899-X1	Bearing 32210	2		Special Order Only
823	VTB-1899-Y1	Spacer L=428	2		Special Order Only
824	VTB-1899-Z1	Screw, hex-hd M14X35	54		Reference Only, Special Order
825	VTB-1899-A2	Gasket	6		Special Order Only
826	VTB-1899-B2	Right Spacer L=178	1		Special Order Only
827	VTB-1899-C2	Oil Lev. Indicator	1		Same as GBXA-5-ST10B
828	VTB-1899-D2	Oil Plug, 1/2 Gas	1		Special Order Only
829	VTB-1899-E2	Oil Plug, 1 Gas.	1		Special Order Only
830	VTB-1899-F2	Left Spacer, L=178	1		Special Order Only
831	VTB-1899-G2	Bevel Pinion Z=17	1		
832	VTB-1899-H2	Gasket	1		Special Order Only
833	VTB-1899-J2	Hub	1		Special Order Only
834	VTB-1899-K2	Oil Seal	1		
835	VTB-1899-L2	Shaft	1		Special Order Only
836	VTB-1899-M2	Hub Complete, Gearbox	1		Special Order Only
837	VTB-1899-N2	Calotte Complete, Gearbox	2		Special Order Only

74318-2-07 GEARBOX, VERTICAL BEATERS

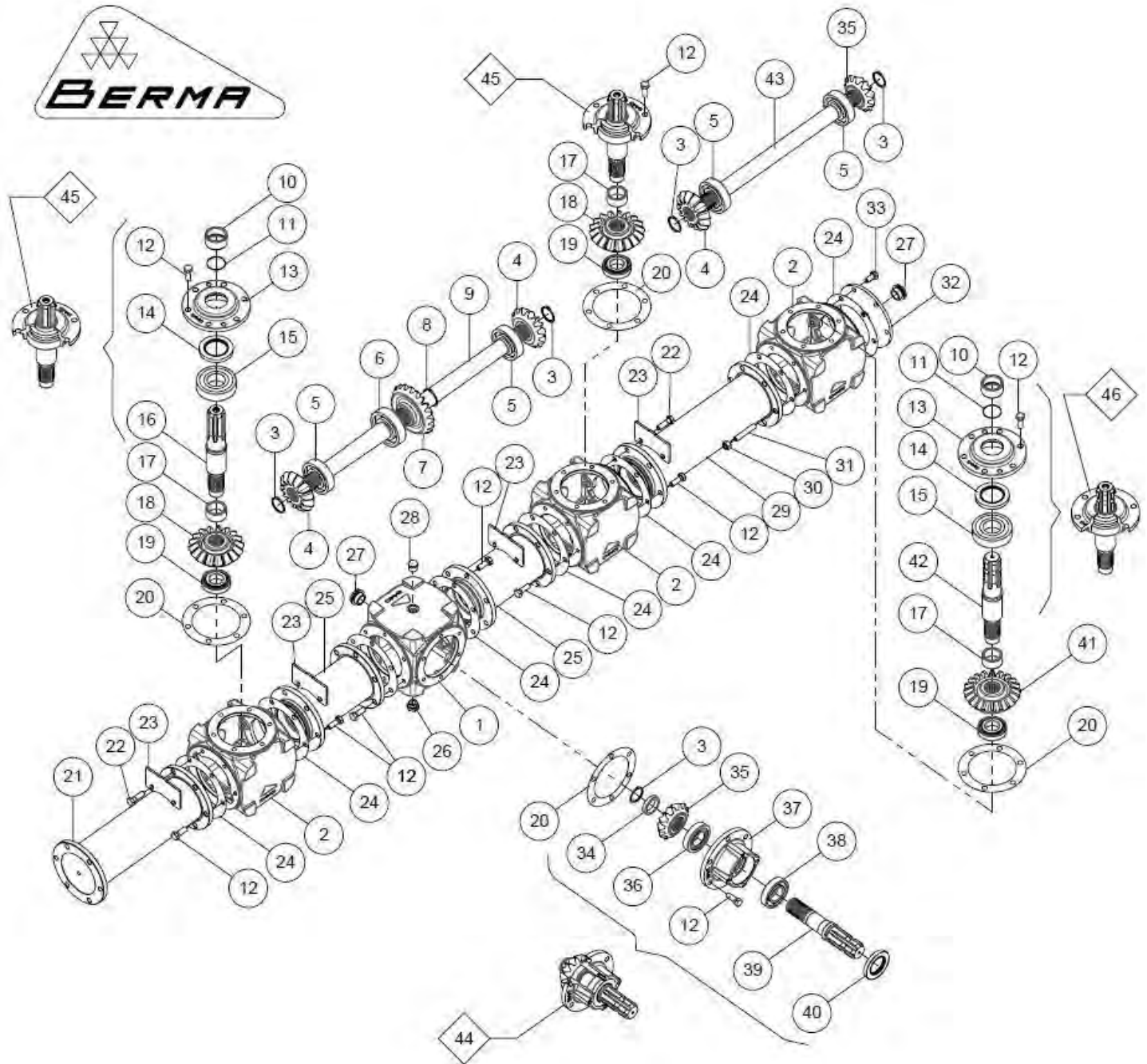


74318-2-08 GEARBOX, COMPOST BEATERS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	VTB-1879-W1	Housing	1		
2	VTB-1879-U1	Housing	3		
3	VTB-1879-B1	Circlip E 40	5		
4	VTB-CMP-J1	Pinion Z=14	3		
5	VTB-1879-D1	Bearing 6308	4		
6	VTB-1879-F1	Bearing 6309	1		
7	VTB-1877-B1	Gear, Z=20	1		
8	GBX-5-ST10-R	Snap Ring, E 45	1		Reference Only,Special Order
9	VTB-CMP-2200-C1	Shaft L=792	1		
10	VTB-1879-H1	Spacer	3		
11	VTB-1879-I1	O-ring 2175	3		
12	VTB-1879-S1	Screw, hex-hd M12x35	52		
13	VTB-1877-C1	Calotte	3		
14	VTB-1899-K2	Oil Seal	3		
15	VTB-1879-N1	Bearing 6309-2RS	3		
16	VTB-1879-J1	Shaft	2		
17	VTB-1879-O1	Spacer 40/51/25	3		
18	VTB-CMP-K1	Pinion Z=18	2		
19	VTB-1879-Q1	Bearing 30207	3		
20	VTB-1879-L1	Gasket	4		
21	VTB-CMP-2200-D1	Spacer L=387	1		
22	VTB-CMP-A1	BOLT M12X40	8		
23	VTB-CMP-B1	Cental Support	4		
24	VTB-1879-T1	Gasket	8		
25	VTB-CMP-2200-E1	Spacer L=225	2		
26	VTB-1899-D2	Oil Plug, 1/2" Gas	1		Special Order Only
27	VTB-1899-C2	Oil Lev. Indicator 1/1" Gas	2		Same as GBXA-5-ST10B
28	VTB-1879-Z1	Plug 1/1/2" Gas	1		
29	VTB-CMP-2200-F1	Spacer L=420	1		
30	VTB-1879-T2	Nut M12-8G	6		
31	VTB-CMP-E1	BOLT M12X70	6		
32	VTB-CMP-H1	Cap	1		
33	VTB-CMP-G1	BOLT M12X25	6		
34	VTB-1877-D1	Spacer	1		
35	VTB-1879-C1	Pinion Z=13	2		
36	VTB-1877-E1	Bearing, 30208	1		
37	VTB-1879-C2	Hub	1		
38	VTB-1879-E2	Bearing 6208	1		
39	VTB-1879-D2	Shaft	1		
40	VTB-1879-F2	Oil Seal 48/80/10	1		

74318-2-08 GEARBOX, COMPOST BEATERS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
41	VTB-1879-P1	Gear Z=20	1		
42	VTB-1879-W2	Shaft	1		
43	VTB-CMP-2200-G1	Lateral Shaft L=544	1		
44	VTB-1877-F1	Hub, Complete	1		
45	VTB-1879-H2	Calotte Complete	2		
46	VTB-CMP-F1	Shell	1		



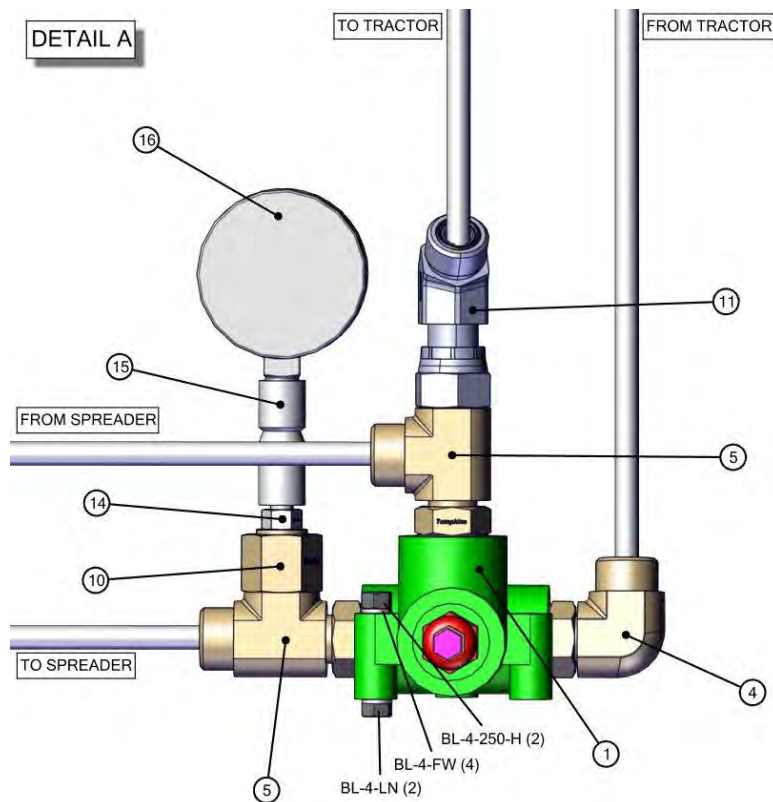
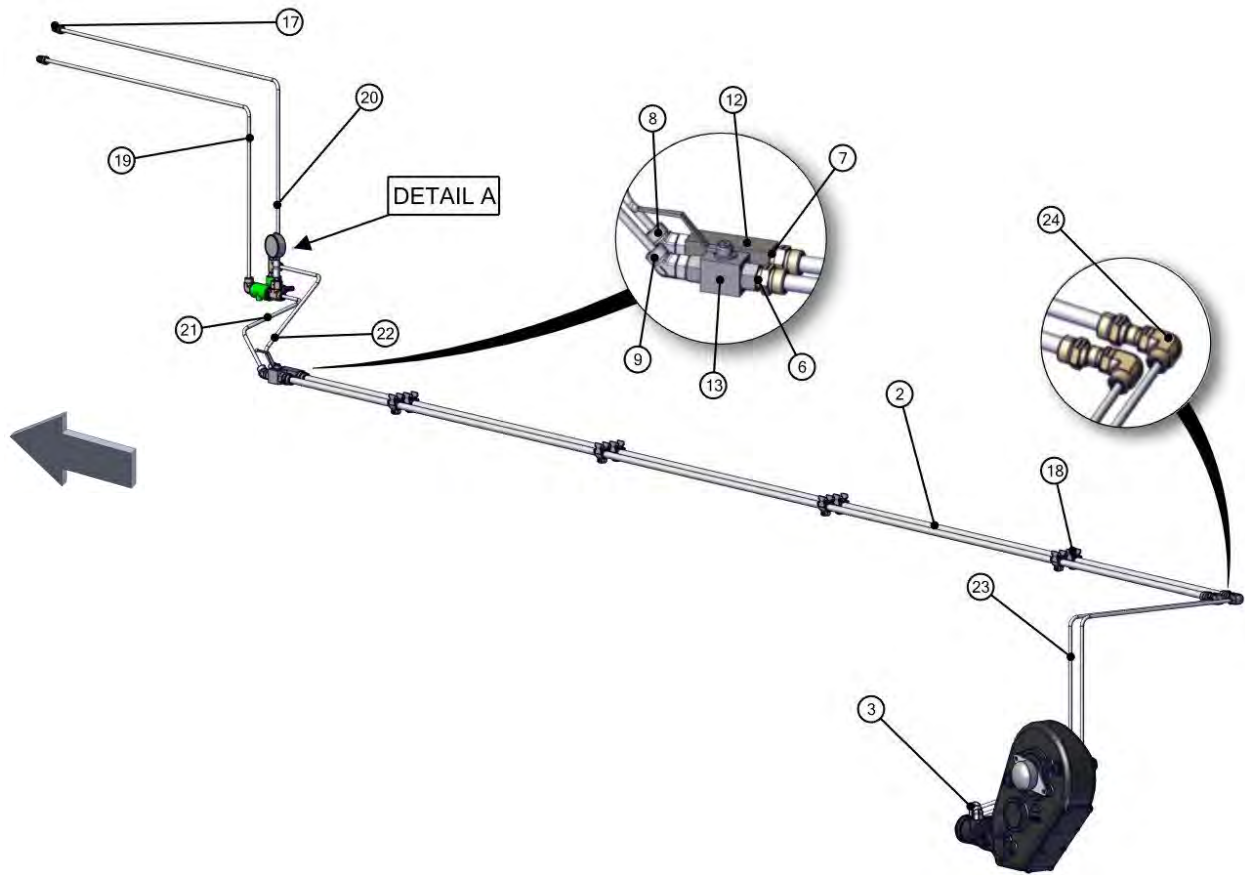
74318-2-09 GEARBOX, COMPOST BEATERS, SIDE

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
801	VTB-1879-B1	Circlip E 40	3		
802	VTB-CMP-J1	Pinion Z=14	1		
803	VPA-MAS-15466	3 NPT w/12 Body, Oil Separator	1		
804	GBX-5-ST10-R	Circlip, Compost Beater	1		
805	VTB-CMP-2200-Q	Bevel Pinion Z=14	1		
806	VTB-CMP-2200-R	Oil Seal 52/80/10-DL	2		
807	VTB-CMP-2200-S	Shaft	2		
808	VTB-1879-E2	Bearing 6208	2		
809	VTB-CMP-2200-V	M12x50	12		
810	VTB-CMP-2200-U	Fixing Plate	2		
811	VTB-1879-C2	Hub	2		
812	VTB-1879-L1	Gasket, Compost Beater	2		
813	VTB-1879-B2	Bearing 32208	2		
814	VTB-CMP-K1	Gear, Compost Beater	2		
815	VTB-CMP-G1	BOLT M12X25	6		
816	VTB-CMP-2200-W	Cover	1		
817	VTB-1879-T1	Gasket	4		
818	VTB-1899-C2	Oil Lev. Indicator	2		Same as GBXA-5-ST10B
819	VTB-1879-Z1	Plug 1/2 Gas	2		
820	VTB-1899-D2	Oil Plug, 1/2 Gas	4		Special Order Only
821	VTB-CMP-2200-X	Lateral Housing	2		
822	VTB-1879-D1	Bearing 6308	1		
823	VTB-CMP-2200-Y	Oil Seal 40/86/9	1		
824	VTB-1879-S1	Screw, hex-hd M12x35	18		
825	VTB-CMP-2200-Z	Spacer L=400	1		
826	VTB-1879-F1	Bearing 6309	1		
827	VTB-CMP-2200-A1	Calotte	1		
828	VTB-CMP-2200-B1	Oil Seal 50/85/10-DL	1		



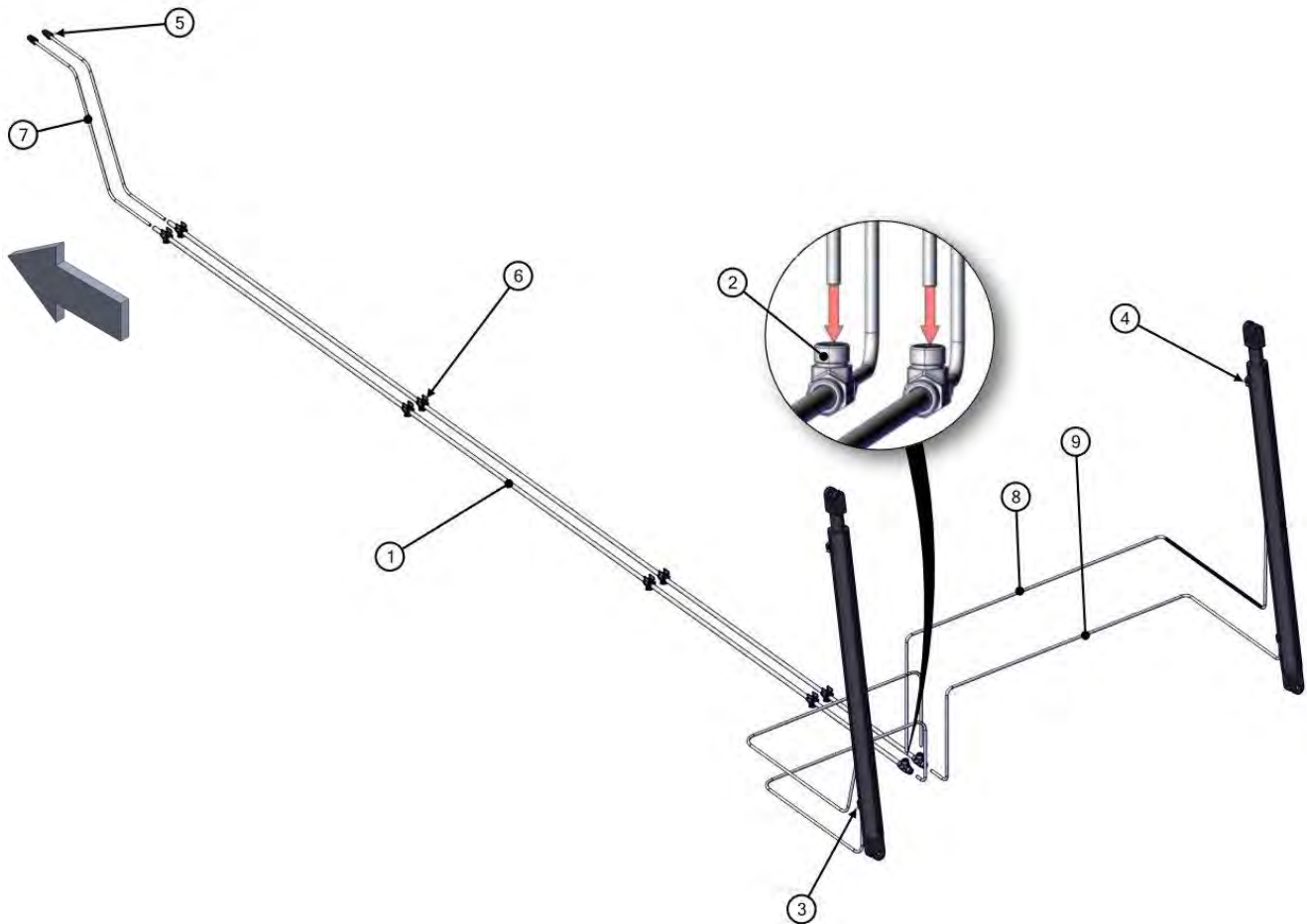
74319-3-01 WEB DRIVE HYDRAULICS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	HV-RV-3H	Relief Valve w/ SAE #10 Ports	1		
2	H-T5008F	Hydraulic Tube SS, 3/4 x 190	2		
3	A-FF2503-10-08	Elbow, 45, 10MFF x 8MP	2		
4	A-FF6801-10-10	Elbow, 5/8 MFF x 5/8 SAE	1		
5	A-FF6804-10-10-10	Run Tee, 10SAE x 10MFF x 10MFF	2		
6	A-FF6400-12-08	Union, 12MFF x 8SAE	1		
7	A-FF6400-12-10	Union, 12MFF x 10SAE	1		
8	A-FF6802-10-10	Elbow, 45, 10MFF x 10SAE	1		
9	A-FF6802-10-08	Elbow, 45, 10MFF x 8SAE	1		
10	A-FF304-C-10-4N	Cap, 10 Male ORFS, 1/4 NPT	1		
11	A-FF6502-10-10	Elbow, 45, 10MFF x 10FFFX	1		
12	HV-CKV-C1020S	#10 Parker Check Valve, 5 psi Crack, 15 gpm	1		
13	VLV-050-BHPS	Ball Valve, 1/2 SAE, High Pressure (7200psi)	1		
14	HA-1004-4	Test Point Plug #4 SAE Thread	1	Not used	
15	HA-1005-T	Test Point Probe	1	Not used	
16	HA-1004-G	Hydraulic, Pressure Gauge w/1/4 NPT Stem	1		
17	A-QDS71X16	Ag Quick Coupler, 1/2 ISO5675 x 10SAE	2		
18	HA-1072-H	Hydra-zorb Tube Clamp (3 pc.)	8	19401-	
19	H10-120-10MOR-10FFFX	5/8 Hose, 5/8 SAE x 5/8 Female ORFS	1		
20	H10-116-10MOR-10FFFX	5/8 Hose, 5/8 SAE x 5/8 Female ORFS	1		
21	H10-20-10FFFX-10FFFX	5/8 Hose, 5/8 Female ORFS x 5/8 Female ORFS	1		
22	H10-24-10FFFX-10FFFX	5/8 Hose, 5/8 Female ORFS x 5/8 Female ORFS	1		
23	H10-60-10FFFX-12FFFX	5/8 Hose, 5/8 Female ORFS x 3/4 Female ORFS	2		
24	A-FF2500-12-12	Elbow, 90, 12MFF x 12MFF	2		
100	BL-4-250-H	1/4-20 X 2 1/2 HEX CAP G5 ZC	2		
101	BL-4-FW	1/4 USS FW ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	2		



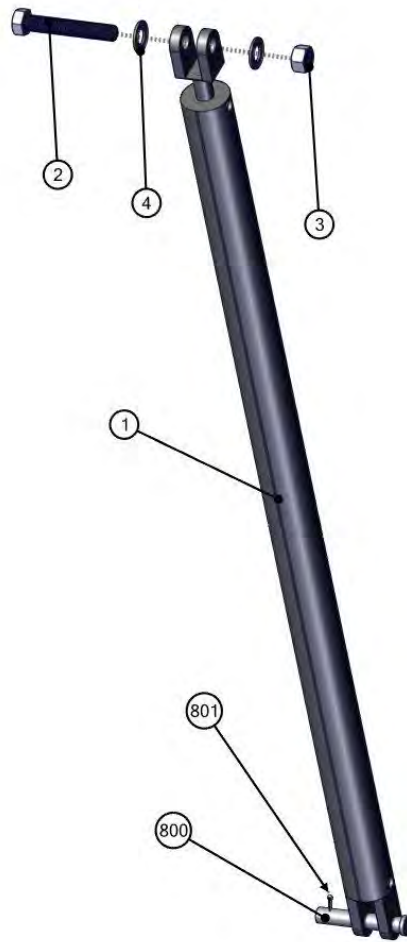
74319-3-02 ENDGATE HYDRAULICS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	H-T7062F	5/8 Hydraulic Tube, SS, ORFS	2		
2	A-FF2603-10-10-10	TEE, 10MFF X 10MFF X 10MFF	2		
3	A-FF6801-08-06	Elbow, 90, 8MFF x 6SAE	2		
4	A-FF6801-L-08-06	Elbow, 90, 8MFF x 6SAE	2		
5	A-QDS71X16	Ag Quick Coupler, 1/2 ISO5675 x 10SAE	2		
6	HA-1062-H	Hydra-zorb Tube Clamp 5/8 (3 pc.)	8		
7	H8-142-10MFF-10MOR	1/2 Hose, 5/8 Male ORFS x 5/8 SAE	2		
8	H8-148-10FFFX-8FFFX	1/2 Hose, 5/8 Female ORFS x 1/2 Female ORFS	2		
9	H8-85-10FFFX-8FFFX	1/2 Hose, 5/8 Female ORFS x 1/2 Female ORFS	2		



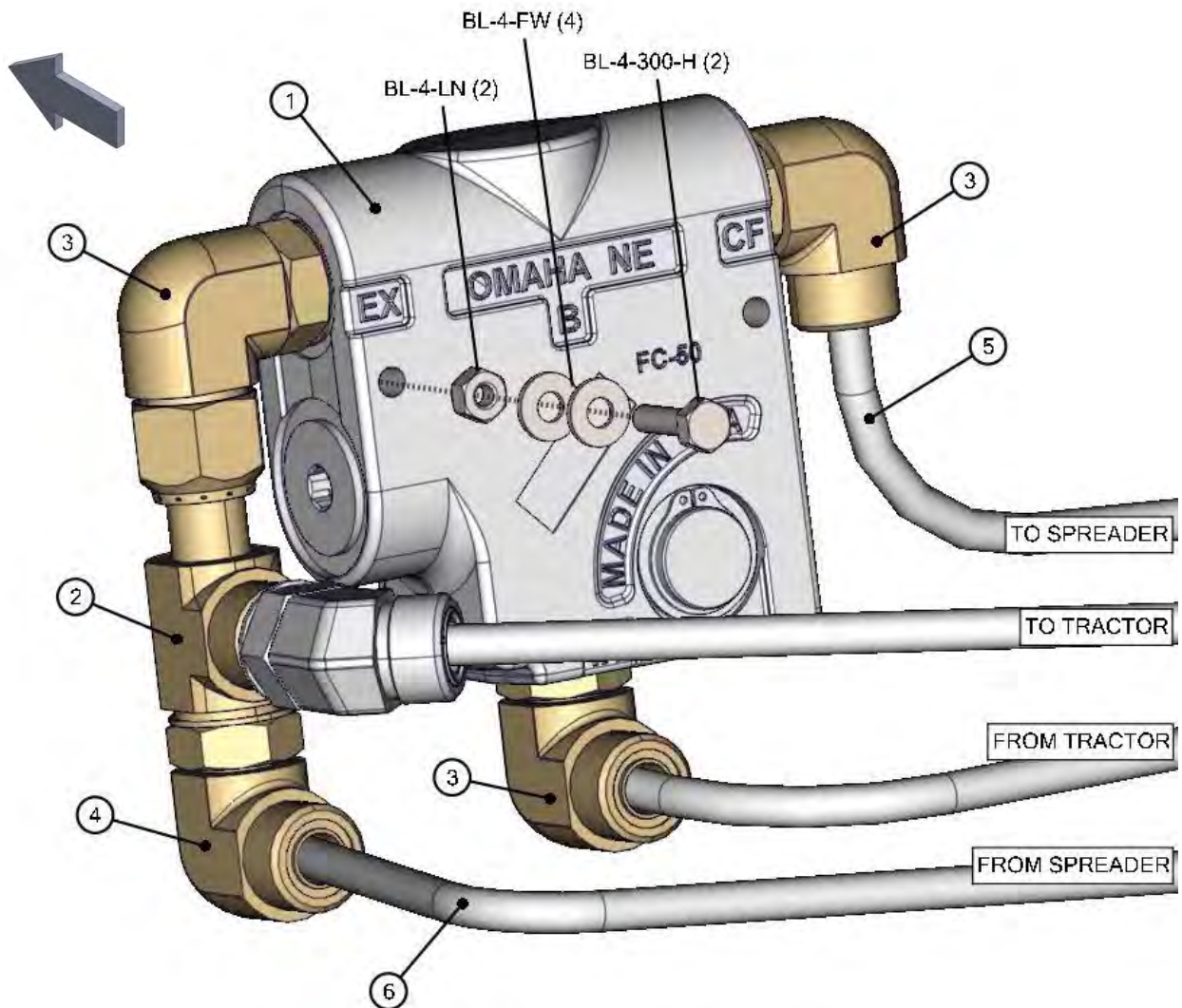
74318-3-03 ENDGATE CYLINDERS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	HC-250-6006	2-1/2 x 60 w/ #6 SAE, Hydraulic Tie Rod Cylinder	2		
2	BL-16-500-8	1 x 5 HH C/S G8 ZC	2		
3	BL-16-LN-8	1 H LN ZC G8	2		
4	BL-16-SW	1 SAE FW	4		
800	HC-250-6006-A	1 Dia. X 3-1/2 Cylinder Pin	2		
801	PIN-C3-24	Cotter Pin 3/16 x 1 1/2	2		



74319-3-04 OPT. WEB DRIVE HYDRAULICS, CONTROL VALVE

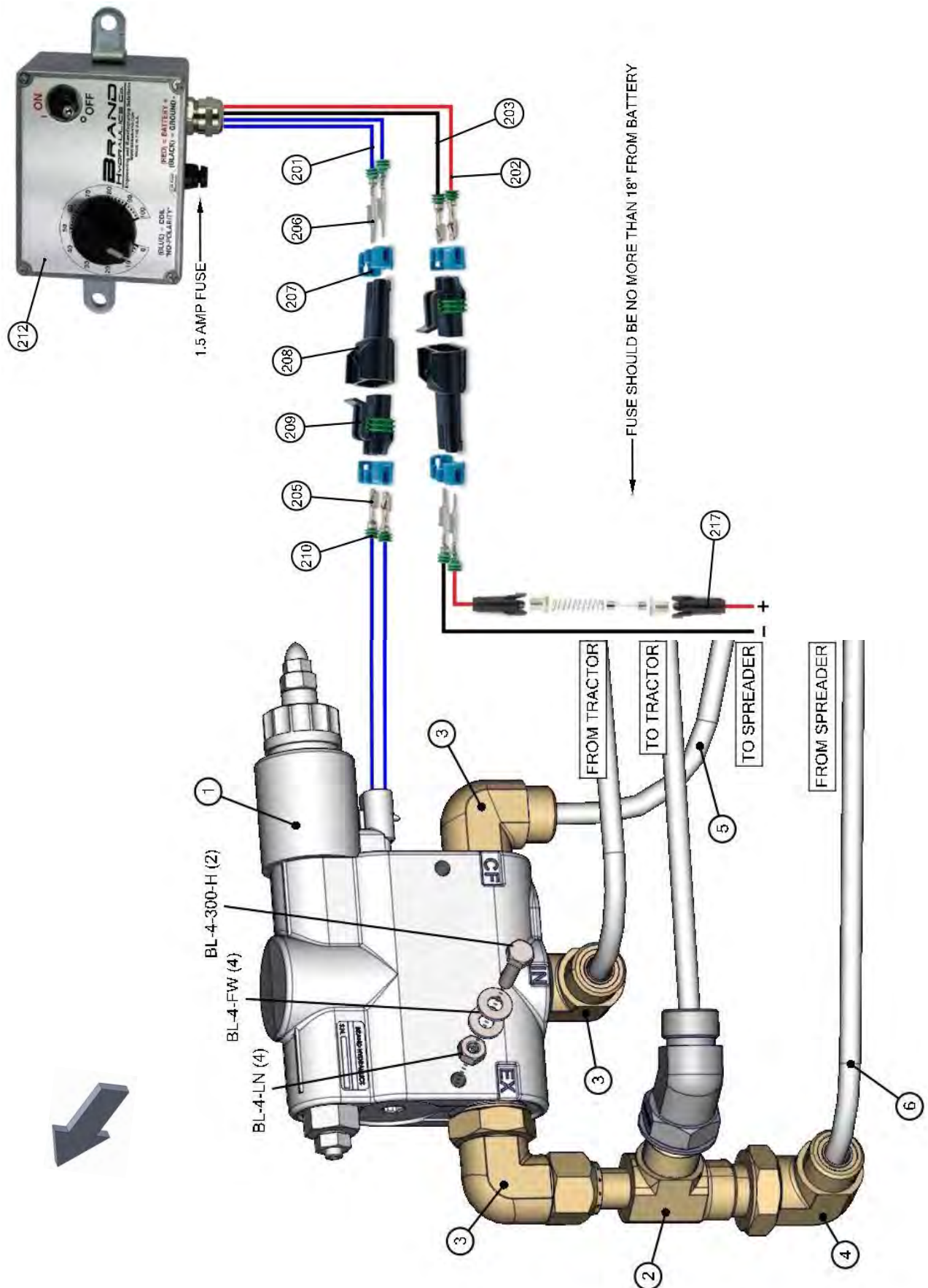
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	HV-FC5510	Flow Control, #10 SAE, 0-16 GPM, Free Reverse Flow	1		
2	A-FF6602-10-10-10	RUN TEE, 10MFF X 10MFF X 10FFFX	1		
3	A-FF6801-10-10	Elbow, 5/8" MFF x 5/8" SAE	3		
4	A-FF6500-10-10	Elbow, 10MFF x 10FFFX	2		
5	H10-17-10FFFX-10FFFX	5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS	1		
6	H10-36-10FFFX-10FFFX	5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS	1		
7	PR70131	Cpver, Flow Control Cutout	-1		
100	BL-4-300-H	1/4-20 X 3 HEX CAP G5 ZC	2		
101	BL-4-FW	1/4 USS FW ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	2		



74319-3-05 OPT. WEB DRIVE HYDRAULICS, REMOTE CONTROL VALVE

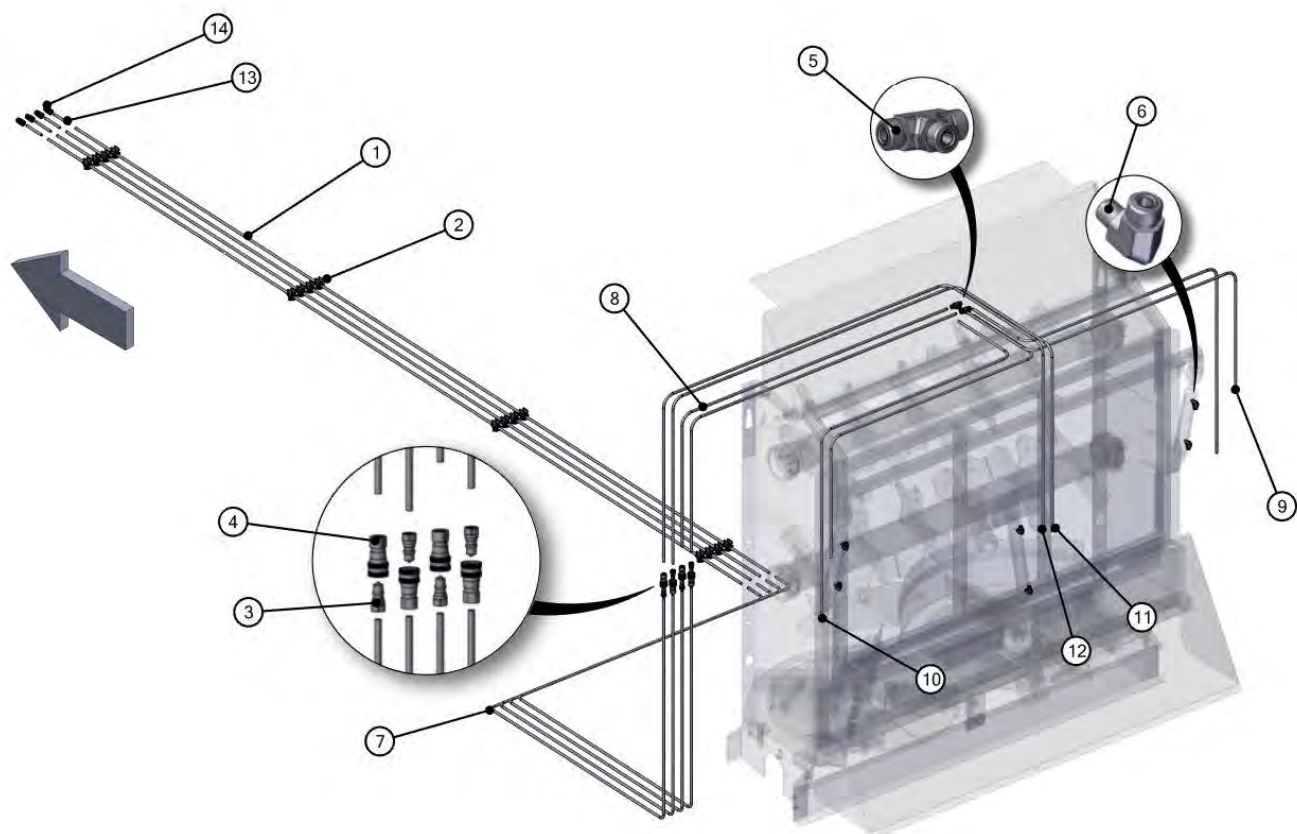
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	HVE-C122012	Electronic Flow Control w/free flow reverse	1		
2	A-FF6602-10-10-10	RUN TEE, 10MFF X 10MFF X 10FFFX	1		
3	A-FF6801-10-12	Elbow, 10MFF x 12SAE	3		
4	A-FF6500-10-10	Elbow, 10MFF x 10FFFX	2		
5	H10-17-10FFFX-10FFFX	5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS	1		
6	H10-36-10FFFX-10FFFX	5/8 Hose, 5/8 Female ORFS x 5/8' Female ORFS	1		
100	BL-4-300-H	1/4-20 X 3 HEX CAP G5 ZC	2		
101	BL-4-FW	1/4 USS FW ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	2		
201	ELC-14-BL	14 Gauge Wire (Blue)	40		
202	ELC-14-R	14 Gauge Wire, Red	20		
203	ELC-14-BLK	14 Gauge Wire, Black	20		
204	ELL-25-0	1/4 Wire Loom @ft	20		
205	EL-30036	Male Terminal	4		
206	EL-30037	Female Terminal	4		
207	EL-38035	Two Contact Clip for Contact Connector	4		
208	EL-38062	Male Connector Body	2		
209	EL-38063	Female Connector Body	2		
210	EL-39000	Cable Seal	8		
211	ELT-31703	Terminal Ring, 16-14 Ga.#10 Blue Insulated Nylon	2		
212	HV-1201	Brand Flow Valve Electronic Box	1		
216	EL-70150	1.5 Amp Fuse, Type GMA	1		
217	EL-46000	Inline Fuse Holder	1		

74319-3-05 OPT. WEB DRIVE HYDRAULICS, REMOTE CONTROL VALVE



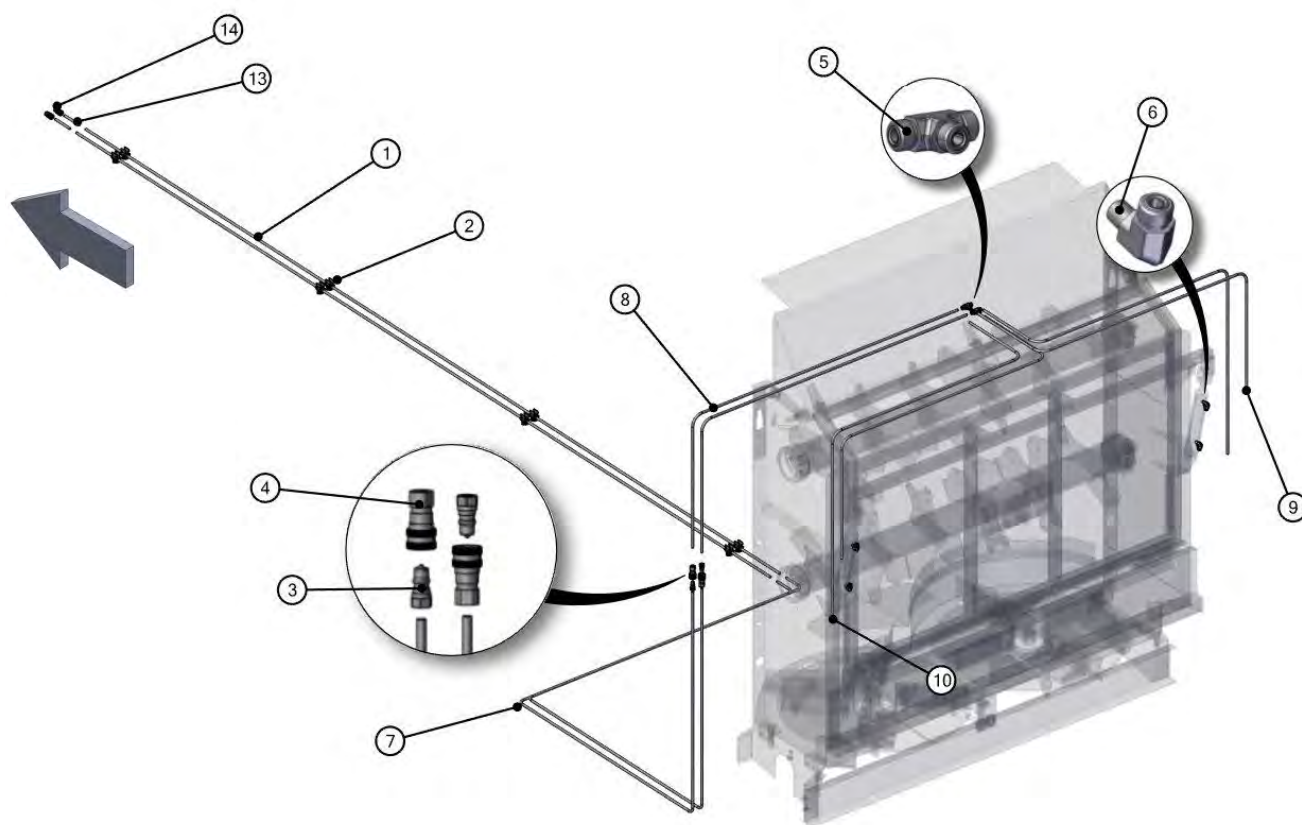
74319-3-06 COMPOST HYDRAULICS WITH TRIM PANEL

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	H-T7063F	3/8 SS Hydraulic Tube, 190, ORFS	4		
2	HA-1074-H	Hydra-zorb Tube Clamp 3/8 (3 pc.)	16		
3	A-QDFF04S916M	Flat Face Quick Disconnect, Male, 3/8 SAE Fitting	4		
4	A-QDFF04S916F	Flat Face Quick Connector, Female, 3/8 SAE Fitting	4		
5	A-FF2603-06-06-06	Tee, 6MFF x 6MFF X 6MFF	2		
6	A-FF2501-6-4	Elbow, 3/8 Male ORFS x 1/4 MP	6		
7	H6-100-6MFF-6MOR	3/8 Hose, 3/8 Male ORFS x 3/8 SAE	4		
8	H6-75-6MOR-6FFFX	3/8 Hose, 3/8 SAE x 3/8 Female ORFS	2		
9	H4-75-6FFFX-6FFFX	1/4 Hose, 3/8 Female ORFS x 3/8 Female ORFS	2		
10	H4-85-6FFFX-6FFFX	1/4 Hose, 3/8 Female ORFS x 3/8 Female ORFS	2		
11	H4-120-6MOR-6FFFX	1/4 Hose, 3/8 SAE x 3/8 Female ORFS	1		
12	H4-130-6MOR-6FFFX	1/4 Hose, 3/8 SAE x 3/8 Female ORFS	1		
13	H6-142-6MFF-8MOR	3/8 Hose, 3/8 Male ORFS x 1/2 SAE	4		
14	A-QDS71X15	Ag Quick Coupler, 1/2 ISO5675 x 8SAE	4		



74319-3-07 COMPOST HYDRAULICS WITHOUT TRIM PANEL

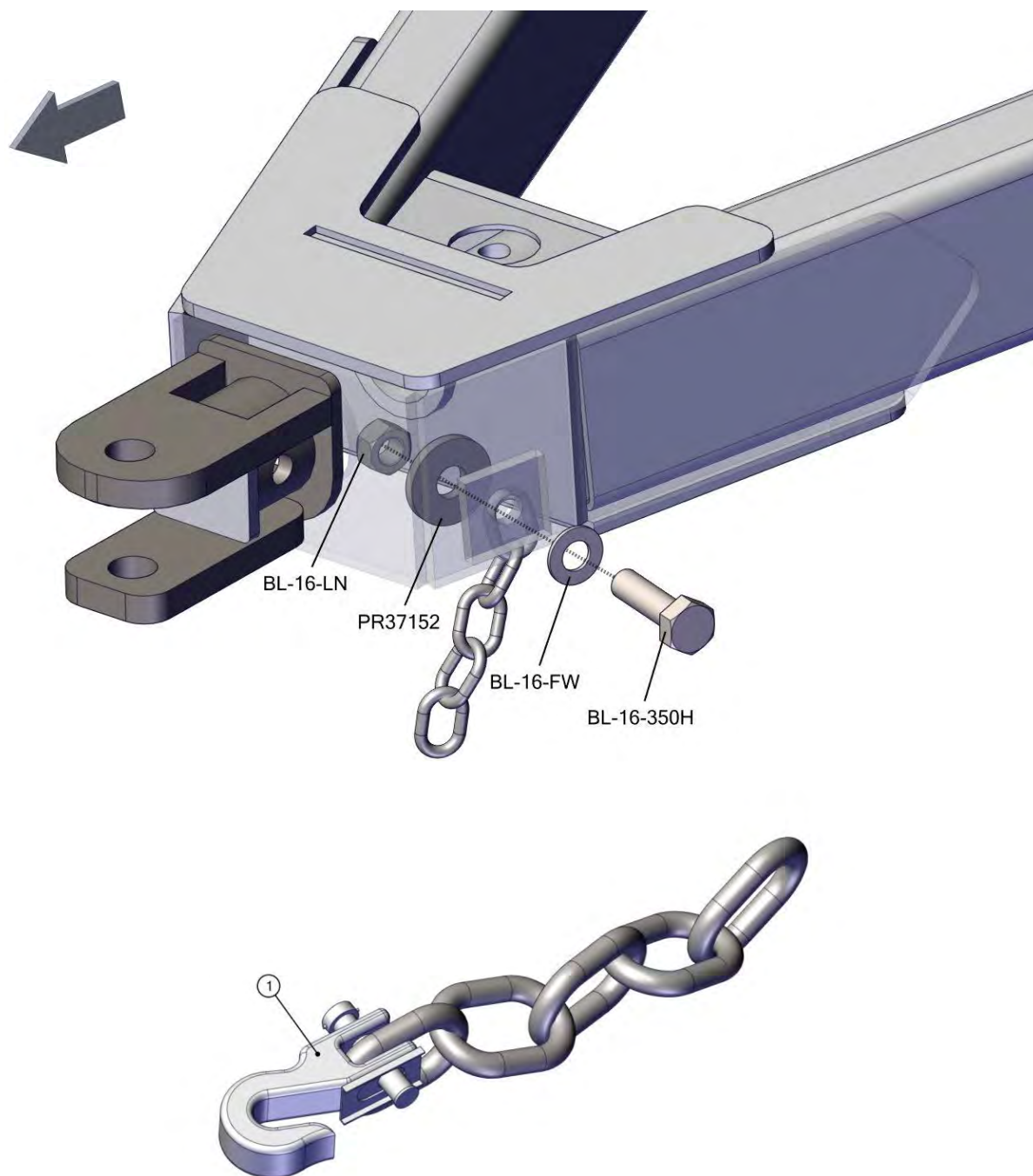
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	H-T7063F	3/8 SS Hydraulic Tube, 190, ORFS	2		
2	HA-1074-H	Hydra-zorb Tube Clamp 3/8 (3 pc.)	8		
3	A-QDFF04S916M	Flat Face Quick Disconnect, Male, 3/8 SAE Fitting	2		
4	A-QDFF04S916F	Flat Face Quick Connector, Female, 3/8 SAE Fitting	2		
5	A-FF2603-06-06-06	Tee, 6MFF x 6MFF X 6MFF	2		
6	A-FF2501-6-4	Elbow, 3/8 Male ORFS x 1/4 MP	4		
7	H6-100-6MFF-6MOR	3/8 Hose, 3/8 Male ORFS x 3/8 SAE	2		
8	H6-75-6MOR-6FFFX	3/8 Hose, 3/8 SAE x 3/8 Female ORFS	2		
9	H4-75-6FFFX-6FFFX	1/4 Hose, 3/8 Female ORFS x 3/8 Female ORFS	2		
10	H4-85-6FFFX-6FFFX	1/4 Hose, 3/8 Female ORFS x 3/8 Female ORFS	2		
13	H6-142-6MFF-8MOR	3/8 Hose, 3/8 Male ORFS x 1/2 SAE	2		
14	A-QDS71X15	Ag Quick Coupler, 1/2 ISO5675 x 8SAE	2		



74318-4-01 OPTIONAL SAFETY CHAIN

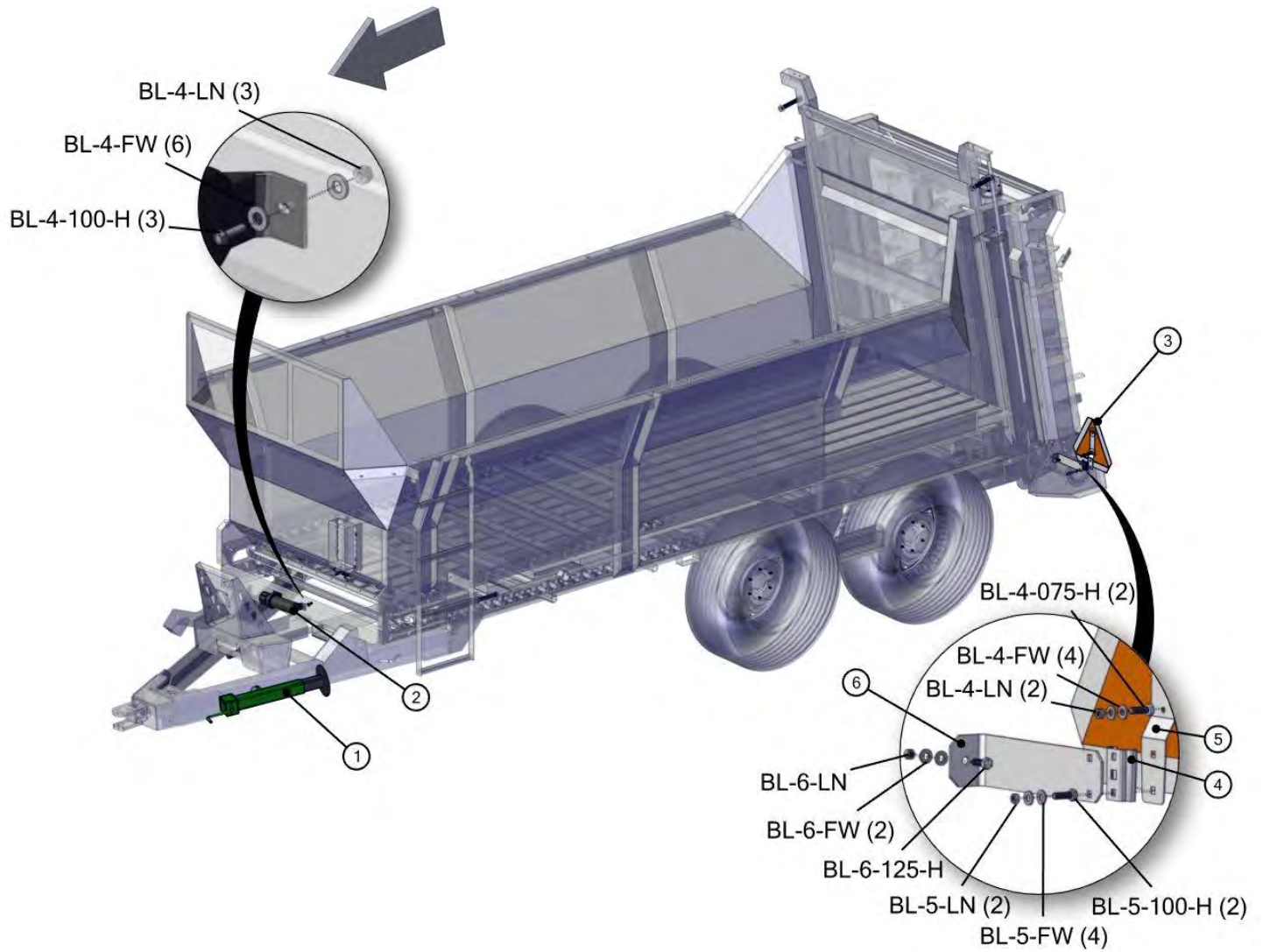
REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	FRM-3165	Safety Chain, Agricultural, 40,500 lb. Capacity	1		
100	PR37152	Washer,Safety Chain	1		
101	BL-16-350H	1-8 X 3-1/2 HH BOLT ZC G5	1		
102	BL-16-FW	1 FW ZC	1		
103	BL-16-LN	1 LN w/ NYLON INSERTS	1		

74318-4-01 OPTIONAL SAFETY CHAIN



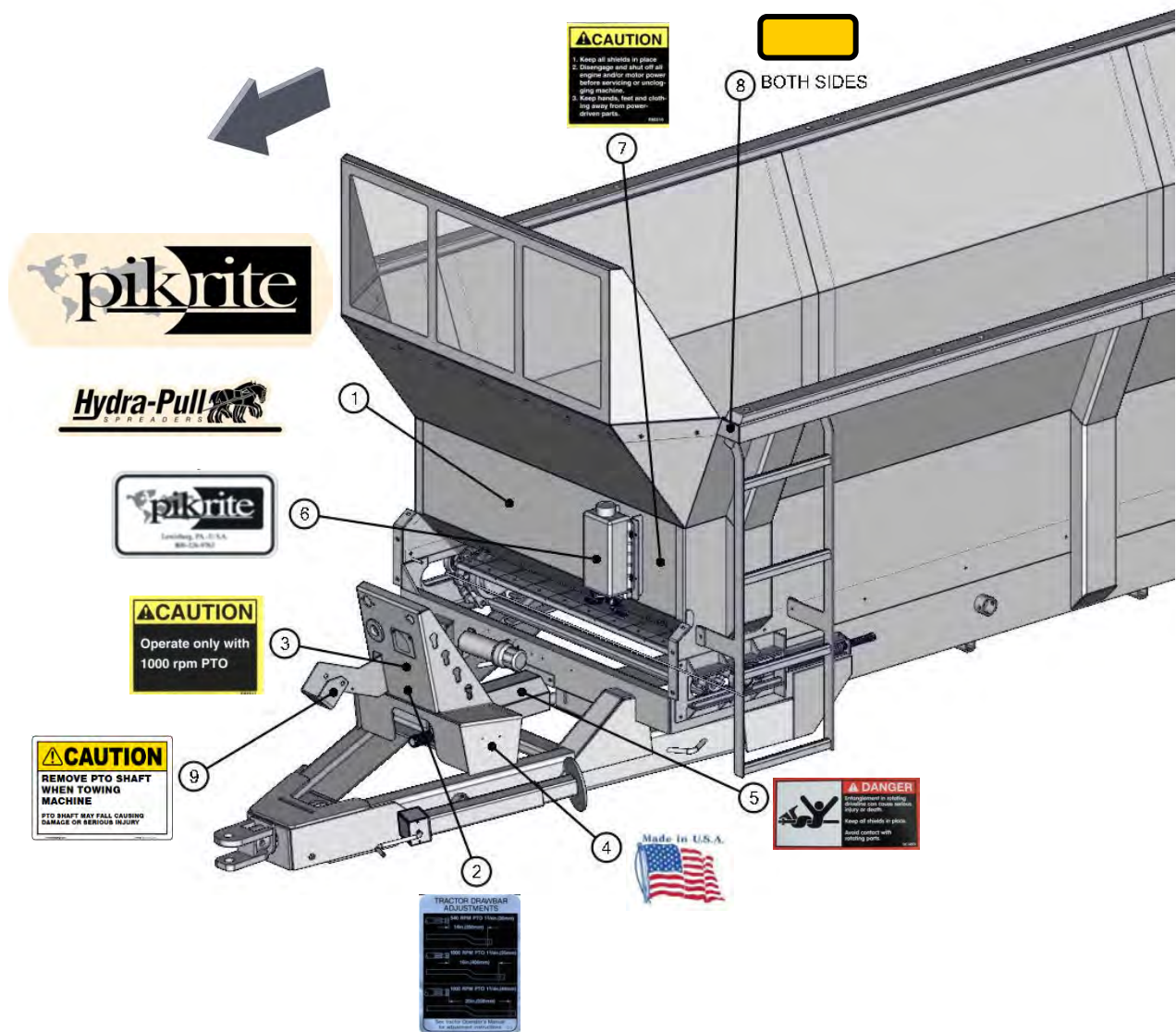
74318-4-02 ACCESSORIES

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	WH-16216	Jack Weldment, Sidewind Jack, 9,000 lb.	0	71009002- 70209006- -70318008	
1	WH-16218	Ram Sidewind Jack, 8,000 lb.	1	70318009-	
2	MAN-67670	Manual Holder/Canister	1		
3	SMV-PL	SMV Sign, Metal	1		
4	SMV-S	Socket for Spade Mount	1		
5	SMV-SM	Spade Mount	1		
6	PR39117	Bracket, SMV Sign, Spreader	1		
7	MAN-0064	Manual, Parts & Operation, HP500 Spreader	1		
100	BL-4-075-H	1/4-20 X 3/4 HH C/S BOLT G5 ZC	2		
101	BL-4-100-H	1/4-20 X 1 HH C/S G5 ZC	3		
102	BL-4-FW	1/4 USS FW ZC	10		
103	BL-4-LN	1/4-20 HEX LN NE ZC	5		
104	BL-5-100-H	5/16 UNC X 1 HH C/S BOLT GR5 ZINC	2		
105	BL-5-FW	5/16 USS FW ZC	4		
106	BL-5-LN	5/16-18 HEX LN NE ZC	2		
107	BL-6-125-H	3/8-16 X 1-1/4 HHCS G5 ZC	1		
108	BL-6-FW	3/8 USS FW ZC	2		
109	BL-6-LN	3/8-16 FIN H LN NE A563 GA ZC	1		
801	WH-16402-A	Pin & Chain Assembly for WH-16402	1	71009002-	
802	WH-16402-B	Weld-On Hub, Implement Side, For WH-16402	1	WH-16215 / WH-16216 71009002-	
803	WH-16402-C	Weld-On Hub, Jack Side, For WH-16402	1	71009002-	
804	WH-16218-A	Weld-On Hub, Implement Side, For WH-16218	1		



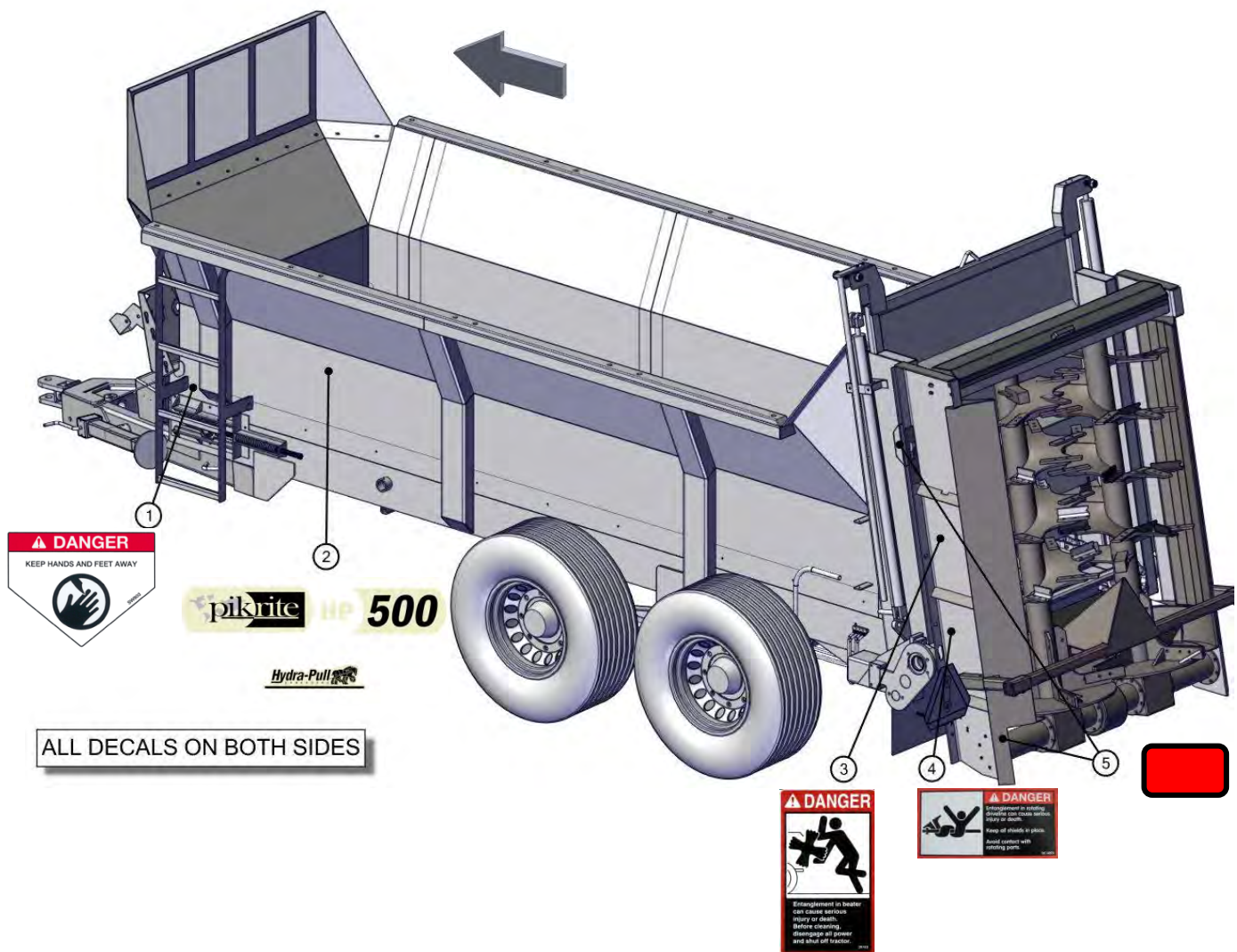
74318-4-03 DECALS ON FRONT OF SPREADER

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	DC-0103	Pikrite/Hydra-Pull Spreaders 14.23' x 22.8'	1		
2	DC-0022	Decal, Tractor Drawbar Adjustments	1		
3	DC-0021	Decal, Caution, 1000 rpm PTO	1		
4	DC-0011	Decal, All, 'Made in USA', White Back w/ Red & Blue Letters	1		
5	DC-0025	Decal, Danger, Entanglement In Rotating Drive	2		
6	DC-4W	Decal, Logo, White, 5.25' Long, Tanks, 1/29/99	1		
7	DC-0023	Decal, Caution, Keep All Shields In Place	1		
8	EL-1226	Decal Reflector, Rectangle, Yellow, 2x3.5, Adhesive	2		** Replace with EL-1226 ** Do Not Order
9	DC-0221	Decal, Caution, Stationary Use	1		



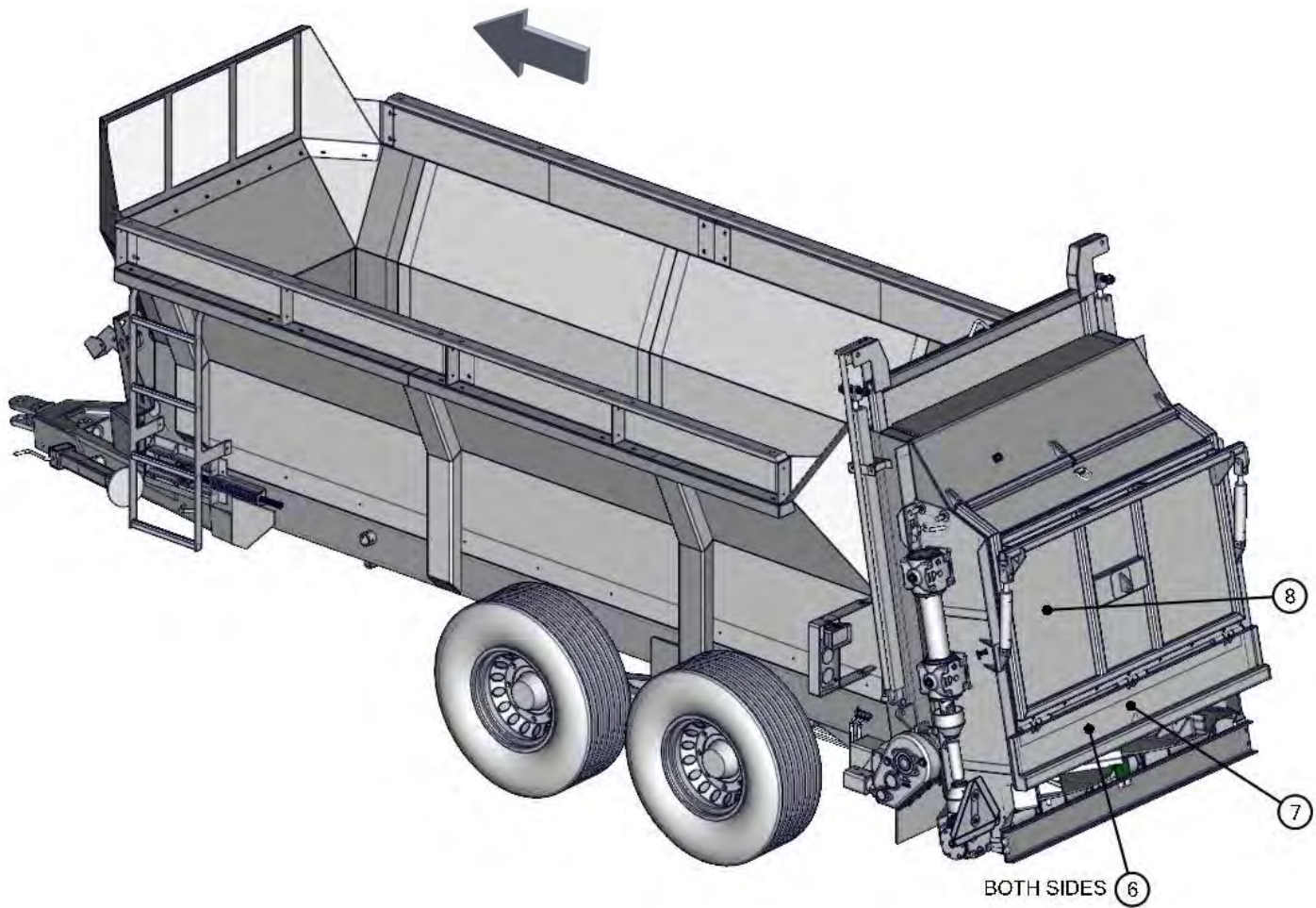
74318-4-04 DECALS ON SIDES OF SPEADER

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	DC-1174	Decal, Danger Keep Hands and Feet Away	2		
2	DC-0113	Pikrite/Hydra-Pull/HP500 Spreaders 14.23 x 46.38	2		
3	DC-0030	Decal, Danger, Entanglement In Beater	2		
4	DC-0025	Decal, Danger, Entanglement In Rotating Drive	2		
5	DC-0033	Decal, Red, Reflector, Spreader	4		



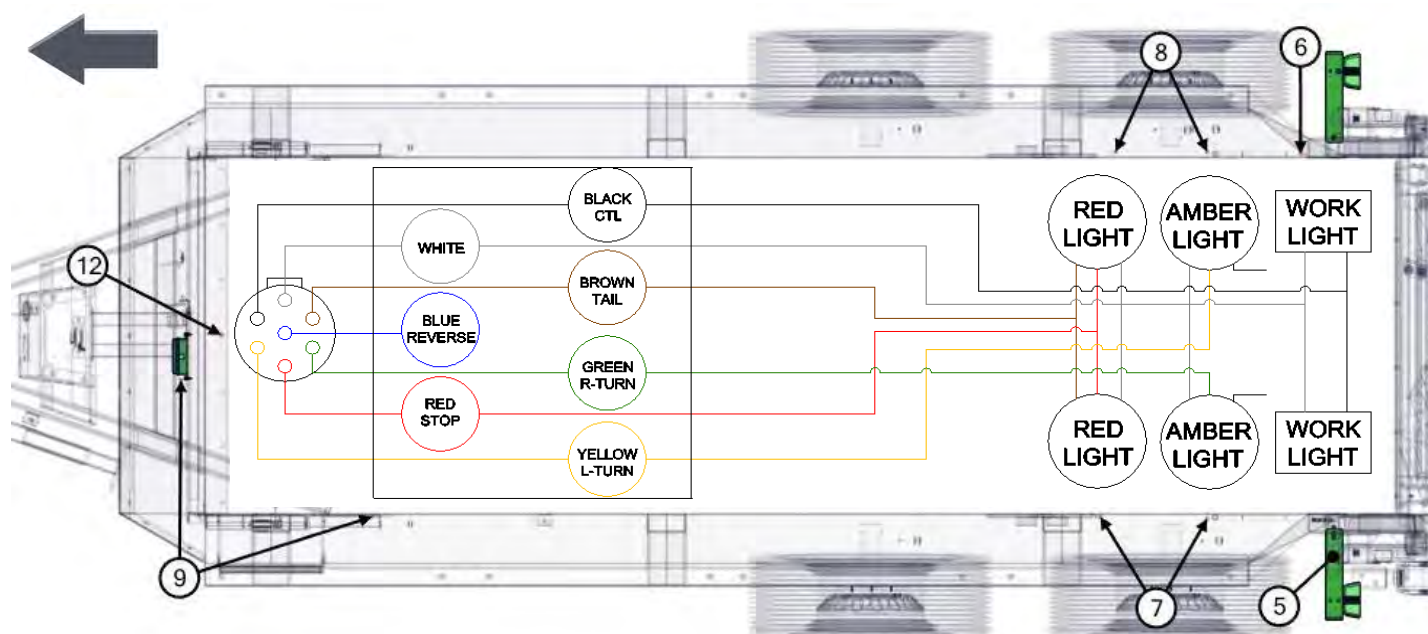
74320-4-04A DECALS ON COMPOST

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
6	DC-ARROW	Decal, Yellow Direction Arrow	2		
7	DC-1184	Danger Decal, 3" x 16"	1		
8	SMV-D	SMV Sign, Decal	1		

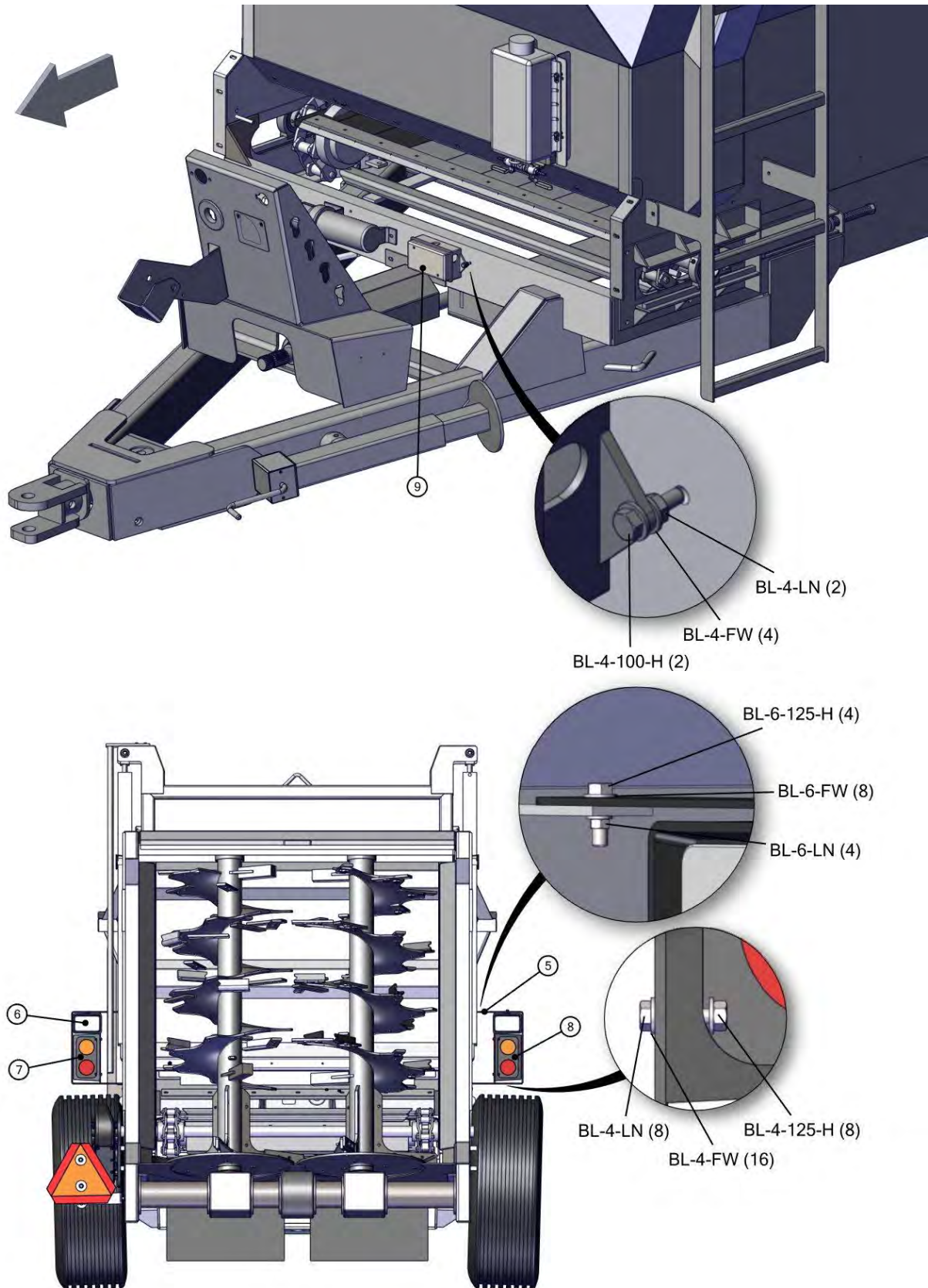


74318-5-01 OPTIONAL ELECTRICAL AND LIGHTING

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	EL-40603-426	Harness, Left Side Spreader Lights	1		
2	EL-40602-342	Harness, Right Side Spreader Light	1		
3	EL-40604-13	Harness, Work Lights, Spreader	2		
4	EL-50781-55	7 Conductor x 55' Long, Harness	1		
5	PR63007	Light Bracket	2		
6	EL-1233	Light, Auxiliary Work Light, Clear, Trapezoid Beam, TL#80394	2		Replaces EL-1201
7	EL-1501	LED Ag Light, LH, w/ brake light	1		
8	EL-1502	LED Ag Light, RH, w/ brake light	1		
9	EL-1361	Junction Box, (7) Studs, (5) Entry, High Impact PE, 2.5x3.5x8.0	1	19426	
11	ELC-127-144	12 Gauge 7 Conductor Spiral Cord, 12' Long	1		
13	ELL-375	3/8 Wire Loom @ft	2		
100	BL-4-100-H	1/4-20 X 1 HH C/S G5 ZC	2		
101	BL-4-125-H	1/4-20 X 1-1/4 HEX CAP G5 ZC	8		
102	BL-4-FW	1/4 USS FW ZC	20		
103	BL-4-LN	1/4-20 HEX LN NE ZC	10		
104	BL-6-125-H	3/8-16 X 1-1/4 HHCS G5 ZC	4		
105	BL-6-FW	3/8 USS FW ZC	8		
106	BL-6-LN	3/8-16 FIN H LN NE A563 GA ZC	4		

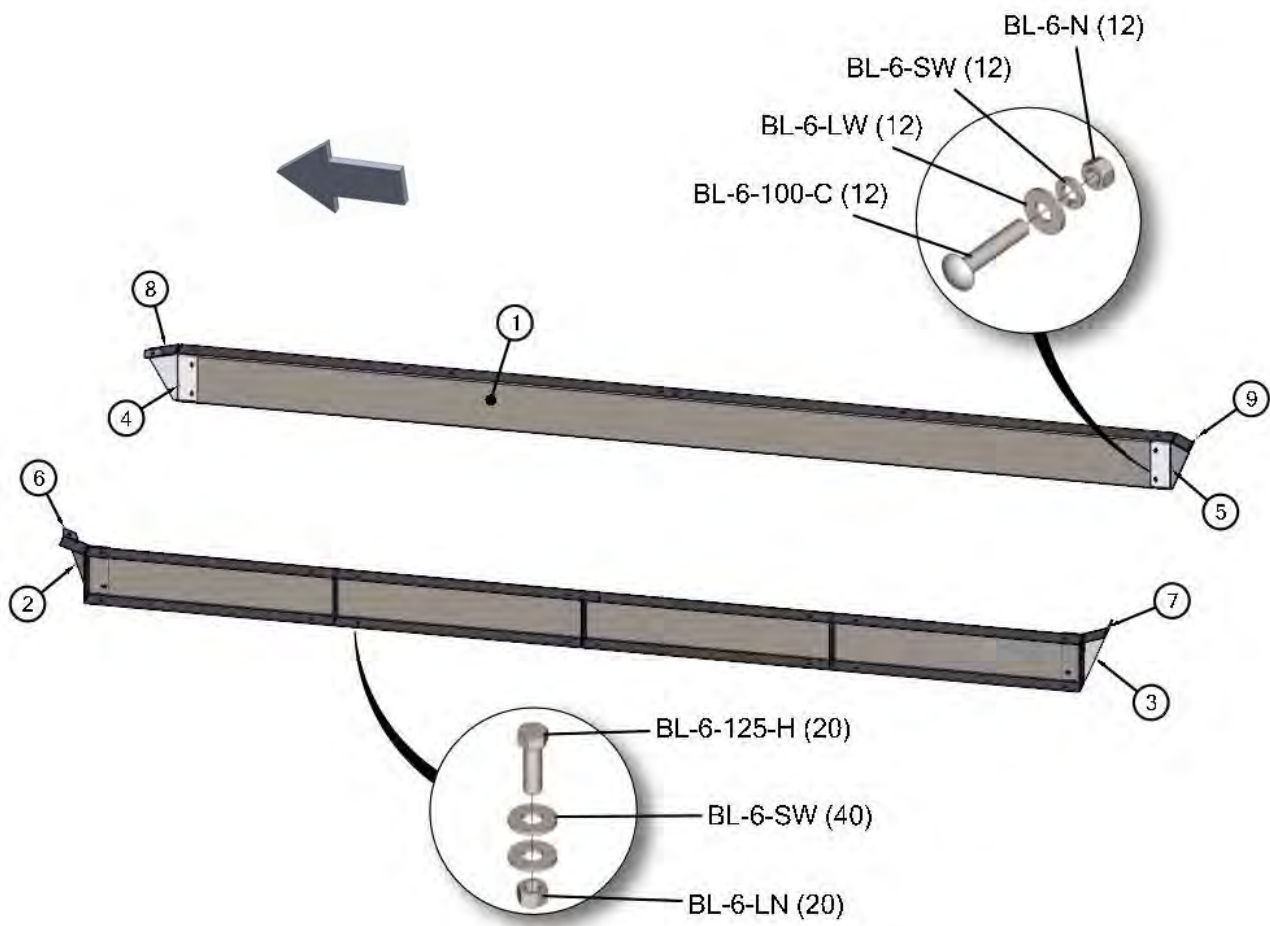


74319-5-01 OPTIONAL ELECTRICAL AND LIGHTING



74320-5-02 OPTIONAL SIDE EXTENSIONS

REF	PART	DESCRIPTION	QTY	WILL FIT SN	REMARKS
1	PR70482	Side Extensions, HP380, HP500	2		
2	PR70324	Transition, Side Ext, Front LH	1		
3	PR70322	Transition, Side Ext, Rear LH	1		
4	PR70323	Transition, Side Ext, Front RH	1		
5	PR70321	Transition, Side Ext, Rear RH	1		
6	PR70489	Support, Side Ext, Front LH	1		
7	PR70490	Support, Side Ext, Rear LH	1		
8	PR70491	Support, Side Ext, Front RH	1		
9	PR70492	Support, Side Ext, Rear RH	1		
100	BL-6-100-C	3/8-16 X 1 CARRIAGE BOLT G5 ZC	12		
101	BL-6-125-H	3/8-16 X 1-1/4 HHCS G5 ZC	20		
102	BL-6-LW	3/8 SPLIT LW ZC	12		
103	BL-6-SW	3/8 SAE FW ZC	52		
104	BL-6-N	3/8-16 HEX NUT ZC	12		
105	BL-6-LN	3/8-16 FIN H LN NE A563 GA ZC	20		



Pik Rite, Inc. provides a limited warranty assuring any new Hydra-Pull Spreader to be free from defects in material and workmanship for a period of two (2) years from the original date of purchase. Pik Rite will repair or replace, at its option and without charge, any defective or malfunctioning part (excluding items of normal wear or misuse) of the spreader for this allotted time.

PIK RITE MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.

CUSTOMER'S RESPONSIBILITY

It is the customer and/or operator's responsibility to read the Operator's Manual, to operate, lubricate, maintain and store the equipment in accordance with all instructions and safety procedures. Failure of the operator to read the operators manual is a misuse of this equipment.

It is the customer and/or operators responsibility to inspect the product and to have any part(s) repaired or replaced when continued operation would cause damage or excessive wear to other parts or cause a safety hazard.

It is the customer's responsibility to deliver the product to the authorized dealer, from whom the spreader was purchased, for service or replacement of defective parts, which are covered by warranty.

It is the customer's responsibility for any cost incurred by the dealer for hauling the product for the purpose of performing a warranty obligation or inspection.

WARRANTY INFORMATION

Make certain the warranty registration card has been forwarded to:

Pik Rite, Inc.
60 Pik Rite Lane
Lewisburg, PA 17837

Always give your dealer the serial number of your Pik Rite, Inc. product when ordering parts or requesting service or other information.

In the space provided record the model number, the serial number and the date of purchase to assist in providing you with prompt and efficient service.

MODEL NUMBER: HP500

DEALER: _____

SERIAL NUMBER: _____

ADDRESS: _____

PURCHASE DATE: _____

PHONE: _____

SALESMAN: _____

Keep Page for Your Records