

FREEMAN



PRELIMINARY

Parts Manual Model 1592D Automatic Hay Baler

Starting in 2012, With Serial Number:
ASC-1592-011



Important: Be certain to specify the serial number of your Baler when ordering parts.



WARNING

California Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm. Wash hands after handling.

Other chemicals in this vehicle are also known to the State of California to cause cancer, birth defects, and other reproductive harm.

Introduction

This manual contains all components of the baler that can be separately identified as well as parts necessary for equipment support. You can find the parts page relevant to your project in either the Table of Contents (Page 4) or in the Alphabetical Index (Page 6).

Illustrations

Illustrations are provided whenever possible to represent component parts and the mounting location of those parts. The numbered labels correspond to the item numbers in the parts list.

Parts Lists

Component parts lists are presented in a 5-column format:

Item: Index numbers found in this column correspond to the numbers found on the respective parts location illustration. Some items are shown for reference purposes only to illustrate their relationship to other systems.

Notes: This column identifies footnotes applicable to specified items.

Part Number: This column lists the Allied Systems Company Part Number.

Quantity: This column lists the total number of a specific item required per assembly or subassembly. This number may not necessarily be the number of items used in the end item or system. Only one set of components is listed whenever the components of two assemblies are the same.

“A/R” (as required) identifies bulk items whose length or other dimension must be specified when ordering.

“Ref” identifies items shown for reference purposes only to illustrate their relationship to other systems.

“NSS” (not sold separately) identifies items such as valve housings and spools, ring gears and pinions, etc., which must be ordered as a set because they are closely mated at manufacture.

Description: This column lists the item nomenclature along with those modifiers necessary to identify the item. Additionally, cross references for repairable subassemblies are listed in this column. One dot preceding the description indicates that the item is a component part of the previously listed item or assembly with no dot. Two dots indicate that the item is part of the previously listed item with one dot.

Example:

Mechanical Drive Unit Installation
. Drive Unit Assembly, Mechanical
.. Drive Shaft Assembly
.. PTO Clutch Assembly

The Drive Unit Assembly, Mechanical is a first level subassembly of the Mechanical Drive Unit Installation as indicated with one dot. The Drive Shaft Assembly and the PTO Clutch Assembly are second level components of the Drive Unit Assembly, Mechanical as indicated by the two dots.

Updating and Reordering Manuals

The parts lists, illustrations and specifications in this manual are based on the latest information available at the time of publication. Your machine may have product improvements and options not yet contained in this manual. Additional copies of this manual are available through your dealer. When ordering additional manuals, use the reorder number listed on the front cover and the quantity needed.

The latest version of this manual can also be found by visiting our Publications Locator on our web site:
<http://www.alliedsystems.com>

Table of Contents

Introduction	3
Alphabetical Index	6
Serial Number Location and Identification	8
Safety	9
Decal & Signage Installation	15
Tension Rail Installation	16
Plunger Installation.....	20
. Plunger Assembly.....	27
. Plunger Cylinder Assembly.....	29
Chamber Liner Installation	30
Infeed Chute Installation.....	36
Driveline Assembly.....	38
Mechanical Drive Unit Installation	39
. Drive Unit Assembly, Mechanical.....	40
.. Drive Shaft Assembly	45
.. PTO Clutch Assembly	47
Pickup Installation	48
. Pickup Assembly.....	55
. Wind Guard Assembly	62
Feed Fork Installation.....	66
Feed Crank Installation	71
. Feeder Crank Shaft Assembly	73
.. Shaft Assembly, Feeder Crank	74
.. Shaft Assembly W/Taper, Feeder Crank.....	75
Needle Installation.....	77
. Twine Tensioner Installation	80
.. Twine Tensioner Assembly	81
. Needle Assembly	82
. Roller Guide Installation, Needle Yoke	83
. Roller Guide Installation, Frame	84
.. Guide Assembly, Twine Roller	85
Double Knotter Installation, Bolt On	87
. Double Knotter Assembly, Bolt On.....	92
.. Double Knotter Assembly, W/Roller.....	104
.. Tensioner Assembly	108
.. Tank Assembly, Luber.....	109
.. Pump Assembly, Luber.....	110

Meter Wheel Installation.....	111
Haydog Installation.....	114
Bale Chute Installation	115
. Chute Assembly.....	117
Manifold Installation.....	118
. Manifold, Plunger Cylinder Assembly	123
.. Manifold Assembly	124
. Manifold Assembly.....	126
Hose Installation.....	127
Oil Cooler Installation	133
. Hydraulic Reservoir Assembly.....	135
.. Cover Assembly, Oil Cooler	139
List, Electrical	142
. Control System Schematic	143
. Wire Harness Installation, ICM	145
. Control System Installation, ICM	150
.. Remote Assembly, MD3	156
.. Monitor Mount Assembly, Remote (Magnetic).....	157
.. Junction Box Assembly	159
. Lights Installation	161
. Lights Installation, Knot Indicator.....	165
Shielding Group	166
. Rail Assembly, Safety	167
. Ladder Assembly	169
. Shields & Doors Installation.....	171
. Shield Installation, Lower Front.....	175
. Side Shields & Door Supports Installation.....	177
. Twine Box Installation, Front	181
. Drive Unit Shield Installation.....	187
.. Cover Assembly, MDU.....	191
. Knotter Fan/Top Covers Installation	193
Tire/Wheel/Hub Installation	196
. Tire/Wheel Assembly.....	197
. Hub/Spindle Assembly.....	198
.. Hub Assembly	199
Chamber Liner Kit	200
. Liner Assembly, LH	203
. Liner Assembly, Center Top	204
. Liner Assembly, RH	205
. Camera Kit.....	206
Parts Index	207

Alphabetical Index

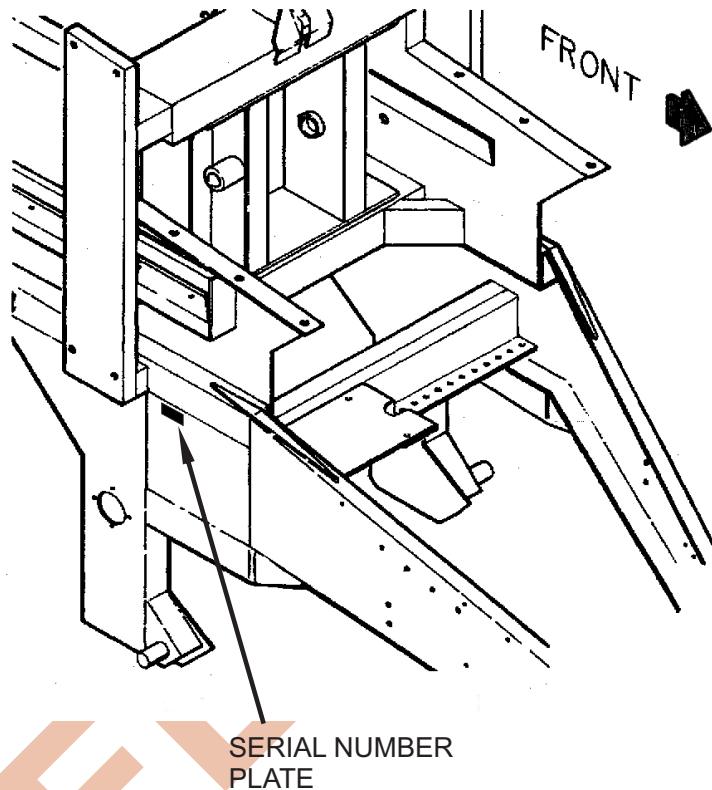
Bale Chute Installation	115
Camera Kit	206
Chamber Liner Installation	30
Chamber Liner Kit	200
Chute Assembly	117
Control System Installation, ICM.....	150
Control System Schematic.....	143
Cover Assembly, MDU	191
Cover Assembly, Oil Cooler.....	139
Decal & Signage Installation	15
Double Knotter Assembly, Bolt On	92
Double Knotter Assembly, W/Roller	104
Double Knotter Installation, Bolt On	87
Driveline Assembly.....	38
Drive Shaft Assembly.....	45
Drive Unit Assembly, Mechanical	40
Drive Unit Shield Installation	187
Feed Crank Installation	71
Feeder Crank Shaft Assembly	73
Feed Fork Installation.....	66
Guide Assembly, Twine Roller.....	85
Haydog Installation.....	114
Hose Installation.....	127
Hub Assembly	199
Hub/Spindle Assembly	198
Hydraulic Reservoir Assembly	135
Infeed Chute Installation.....	36
Introduction	3
Junction Box Assembly	159
Knotter Fan/Top Covers Installation	193
Ladder Assembly	169
Lights Installation	161
Lights Installation, Knot Indicator	165
Liner Assembly, Center Top.....	204
Liner Assembly, LH	203
Liner Assembly, RH.....	205
List, Electrical.....	142
Manifold Assembly	124
Manifold Assembly	126

Manifold Installation.....	118
Manifold, Plunger Cylinder Assembly.....	123
Mechanical Drive Unit Installation	39
Meter Wheel Installation.....	111
Monitor Mount Assembly, Remote (Magnetic)	157
Needle Assembly	82
Needle Installation.....	77
Oil Cooler Installation	133
Parts Index	207
Pickup Assembly	55
Pickup Installation	48
Plunger Assembly	27
Plunger Cylinder Assembly	29
Plunger Installation.....	20
PTO Clutch Assembly	47
Pump Assembly, Luber	110
Rail Assembly, Safety.....	167
Remote Assembly, MD3.....	156
Roller Guide Installation, Frame.....	84
Roller Guide Installation, Needle Yoke	83
Safety	9
Serial Number Location and Identification	8
Shaft Assembly, Feeder Crank.....	74
Shaft Assembly W/Taper, Feeder Crank	75
Shielding Group	166
Shield Installation, Lower Front.....	175
Shields & Doors Installation	171
Side Shields & Door Supports Installation	177
Table of Contents	4
Tank Assembly, Luber	109
Tensioner Assembly	108
Tension Rail Installation	16
Tire/Wheel Assembly	197
Tire/Wheel/Hub Installation	196
Twine Box Installation, Front.....	181
Twine Tensioner Assembly	81
Twine Tensioner Installation	80
Wind Guard Assembly.....	62
Wire Harness Installation, ICM.....	145

Serial Number Location and Identification

SERIAL NUMBER LOCATION

The serial number is an important piece of information about the machine and it may be necessary to know it before obtaining correct replacement part. The serial number is located on the right, front tongue brace as shown.



FREEMAN S/N: ASC-1592-007 through ASC-1592-010



WARNING

Some illustrations in this operator manual show the baler without shields to allow for a better view of the area being addressed. The machine should never be operated with any of the safety shields removed.

NOTE: Illustrations are for "ordering" information only, and are not intended for use as an assembly guide.

Safety

General

The following pages contain general safety warnings which supplement specific warnings and cautions appearing elsewhere in this manual. All electrical and hydraulic equipment is potentially hazardous. You must thoroughly review and understand this Safety Section before attempting to operate, troubleshoot, maintain or service this baler.

Time, money and effort have been invested in making your Baler a safe product. The dividend from this investment is **YOUR PERSONAL SAFETY**.

However, it must be realized that no power-driven equipment can be any safer than the person behind the controls. If you don't operate and maintain your Freeman Baler safely, our efforts will have been in vain.

The safety instructions and warnings, as documented in this manual and shipped with the machine, provide the most reliable procedures for the safe operation and maintenance of your Baler. It's your responsibility to see that they are carried out.

Allied Systems Company cannot anticipate all worksite conditions, local regulations, etc. It is the responsibility of the end user to be aware of and obey any specific worksite, local, state, or national regulations or procedures that are applicable to operating this baler.

NOTE: All possible safety hazards cannot be anticipated so as to be included in this manual. Therefore, you must always be alert to potential hazards that could endanger personnel and/or damage the equipment.

Safety Symbols

The following symbols/terms are used to emphasize safety precautions and notices in this manual:

**DANGER**

The "DANGER" symbol indicates a hazardous situation which, if not avoided, will result in death or serious injury. Carefully read the message that follows to prevent serious injury or death.

**WARNING**

The "WARNING" symbol indicates a hazardous situation which, if not avoided, could result in death or serious injury. Carefully read the message that follows to prevent serious injury or death.

**CAUTION**

The "CAUTION" symbol indicates a hazardous situation which, if not avoided, could result in minor or moderate injury, or equipment damage. Carefully read the message that follows to prevent minor or moderate injury.

NOTICE

The "NOTICE" symbol alerts to a situation that is not related to personal injury but may cause equipment damage.

NOTE: ...

The term "NOTE" highlights operating procedures or practices that may improve equipment reliability and/or personnel performance, or to emphasize a concept.

Intended Use Statement:

This baler is intended to gather and compress loose, fibrous material (i.e., hay) and form it into rectangular bales. Use in any other way is considered to be contrary to the intended use. If you are unsure of the material you intend to bale, consult the factory.

Operation Warnings



WARNING

Failure to observe the following safety rules may result in extreme personal injury, dismemberment or death. It is the operator's responsibility to understand the proper and safe use of this baler.

- Make sure that you read, understand, and obey all of the safety precautions and operating instructions in this Operator's Manual.
- Keep this Operator's Manual and the Safety Card (Allied form #89-028) with the baler at all times.
- Do not operate the baler unless you are authorized and trained to do so. If it has been some time since you last operated the baler, re-familiarize yourself with the baler before starting, then proceed slowly.
- Do not operate the baler if you are aware of any malfunctions, needed maintenance or repairs.
- Stop the baler immediately if any problems arise.
- Never allow others to ride on the baler.
- Never allow anyone within 10 ft of the baler while the baler is in operation.
- Never operate the baler without all safety shielding in place.
- Keep hands, feet, hair, jewelry and clothing away from moving parts, including but not limited to the pickup, knotter, and PTO shaft.
- Avoid wearing loose clothing which can easily be caught in moving parts.
- Use appropriate signs (i.e., Slow Moving Vehicle sign), signals or warning lights when transporting on highways.



- Always use lights when working at night or in low light conditions.
- Know your job-site rules. Some have site specific directions and procedures. The methods outlined in this manual provide a basis for safe operation of the baler. Because of special conditions, your company's baling procedures may be somewhat different from those shown in this manual.
- Do not start the tractor if the key had been marked with a "DO NOT START" or "RED" tag.
- Never operate any of the tractor's controls from anywhere other than the operator's seat.
- Alert personnel in the area before starting the engine, and make sure everyone is clear. Be sure that all controls are in neutral and the baler is disengaged before starting the engine.
- Each country has its own safety legislation. It is in the operator's own interest to be conversant with these regulations and to comply with them in full. This also applies to local bylaws and regulations in force on a particular worksite.
- Should the recommendations in this manual deviate from those in the user's country, the national regulations should be followed.
- Never attempt to disconnect any of the safety devices built into the baler or tractor.
- Maintain proper clearance from energized equipment, energized power lines or other power sources. High voltage electricity can discharge to ground without direct contact with the baler's or tractor's structure. If the baler or tractor contacts energized equipment, or if electrical energy does discharge through the machine—stay clear, and prevent anyone else from coming in contact with the baler or tractor. If you are on the tractor, stand fast, avoid contact with metal surfaces, and do not permit anyone to come into contact with the tractor or baler. Finally, **Do not jump off.**

Hydraulic Hazards

Be aware of the hazards of pressurized hydraulics:

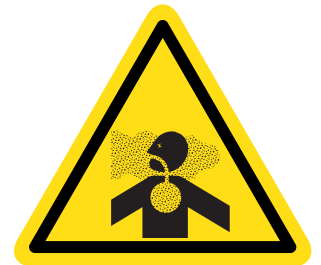
- Wear personal protective equipment, such as gloves and safety glasses, whenever servicing or checking a hydraulic system.
- Assume that all hydraulic hoses and components are pressurized. Relieve all hydraulic pressure before disconnecting any hydraulic line.
- Never try to stop or check for a hydraulic leak with any part of your body; use a piece of cardboard to check for hydraulic leaks.
- Small hydraulic hose leaks are extremely dangerous, and can inject hydraulic oil under the skin, even through gloves.
- Infection and gangrene are possible when hydraulic oil penetrates the skin. See a doctor immediately to prevent loss of limb or death.



Maintenance Safety

- Perform all routine maintenance outlined in this Operator's Manual in the time intervals indicated.
- Maintenance, lubrication and repair of this machine can be dangerous unless performed properly. In order to ensure safety, each person working on this baler must have the necessary skills, information, tools and equipment, and satisfy himself that his work method is safe, correct, and meets his own company's requirements.
- Do not attempt to make adjustments, or perform repairs unless you are authorized and qualified to do so.
- Never attempt to service energized equipment.
- Do not rely on the hydraulic system to support any part of the baler during maintenance or lubrication. Never stand under a baler component that is supported only by the hydraulic system. Ensure components are resting on their mechanical stops or supported with appropriate safety stands during maintenance or lubrication.
- Never attempt servicing while the baler is moving. Shut off the tractor and secure power.

- Shut off tractor and baler engine, engage the parking brake, disengage the baler, and wait for all movement to stop before adjusting, lubricating, cleaning, or servicing the baler.
- Tag the key switch with a "DO NOT START" sign and/or remove the key.
- Always perform all maintenance and lubrication procedures with the baler on level ground, parked in a safe area.
- Block the tires to keep the machine from rolling.
- Any unauthorized modifications made to the baler by the customer or parties other than Allied Systems will relieve Allied Systems Company and your Freeman dealer of any liability for damage or injury.
- Replace any worn parts only with genuine Freeman parts. Call your dealer for assistance.
- Unless specified in service procedures, never attempt maintenance or lubrication procedures while the baler is moving or the engine is running.
- Engine exhaust fumes can cause death. If it is necessary to run the engine in an enclosed space, remove the exhaust fumes from the area with an exhaust pipe extension. Use ventilation fans and open shop doors to provide adequate ventilation.
- DO NOT remove the radiator cap when the engine is hot. The coolant will be under pressure and can flash to steam with explosive force, causing severe burns. To prevent burns, remove the radiator cap only when the engine is cool.
- Batteries contain sulfuric acid which can cause severe burns. Avoid contact with skin, eyes or clothing.



- Batteries produce explosive gases. Keep sparks, flame and cigarettes away. Ventilate when charging or servicing in an enclosed space. Always shield your eyes when working near batteries. When removing battery cables, disconnect the negative (-) cable first. When installing a battery, always connect the positive (+) cable first. This procedure will help to prevent a spark which could cause an explosion.
- Before making adjustments to the engine or chassis electrical system, disconnect the battery. An electrical spark could cause a fire, explosion or severe burns.



Safety Equipment

- Ensure test equipment is in good condition.
- If an instrument must be held while taking measurements, ground the case of the instrument before energizing equipment.
- Do not touch live equipment or personnel working on live equipment while holding a multimeter. Some types of measuring devices should not be grounded—do not hold such devices while taking measurements.
- Prevent personal injury or equipment damage by using a lifting device with a lifting capacity greater than twice the weight of any equipment to be lifted.
- Always use personal protective equipment (PPE) appropriate to the situation. This may include the use of hearing protection, eye protection, a respirator, a hard hat, leather gloves, steel toed boots, etc.



Electrical Hazards

- An electric shock could be fatal. Ensure power to the baler is “OFF” before opening electrical panels.
- All electrical cables and connectors must be in good condition (free of corrosion, damage, etc). Use caution in wet weather to avoid danger from electrical shock. Never attempt electrical testing or repair while standing in water.
- Do not wear electrically conductive jewelry, clothing, or other items while working on the electrical system.



Welding

Before conducting any welding on the baler:

- Thoroughly clean the baler.
- Disconnect both the positive (+) and negative (-) battery cables from the baler’s battery.
- Disconnect the highway light cord (7 Pole Connector), the ICM (In Cab Monitor), and the XA2 module, located behind the baler control panel (as applicable).
- Connect the welding ground cable directly to the part to be welded, as close as possible to the weld location to reduce the possibility of welding current damage to other parts.
- Welding on the engine or engine mounted components is not recommended as damage to the engine or components may result.

Hot Oil Hazards

- Burns from hot oil can be severe—Always allow lubricating and hydraulic oil to cool before draining.

Compressed Air Hazards

- When using compressed air to dry parts, pressure should not exceed 30 psi (200 kPa).
- Air pressure penetrating your skin can be fatal. Never direct compressed air at anyone.

Fire Safety



WARNING

Diesel fuel and hydraulic oil are flammable. Never smoke while handling fuel or working on the fuel system. The fumes in an empty fuel container are explosive. Never cut or weld on or near fuel lines, tanks, or containers. Keep open flames and sparks away from the machine.

Reduce the Risk of Fire

- Keep the baler free of oil, grease, hay, and trash accumulations. Regular cleaning is recommended for fire prevention and general safety. Use an approved solvent to clean machine parts. Never use gasoline or diesel fuel.
- Shut off the engine and electrical equipment while filling the fuel tank. Use extra caution when fueling a hot engine. Always ground the fuel nozzle against the filler neck to avoid sparks.
- Never overfill the fuel or hydraulic tanks. Any overflow could cause a fire. Immediately repair any hydraulic or fuel leaks and clean up any spills.
- Handle all solvents and dry chemicals according to procedures identified on manufacturer's containers. Work in a well-ventilated area. Make sure you know where fire extinguishers are kept and how to use them.
- Avoid spilling fuel or other hazardous liquids. If a spill occurs, follow local or state regulations for clean-up. Contact your state's OSHA office for details.
- Always ensure that excess grease and oil accumulation, including spillage, is cleaned up immediately.
- Inspect the baler daily for potential fire hazards and make any necessary repairs immediately.
- Check all the electrical wiring and connections for defects, and repair or replace as necessary. Keep battery terminals clean and tight.
- Never perform welding operations until the entire machine has undergone a thorough cleaning. In addition, cover rubber hoses, disconnect the bat-



tery, and have at least a fire extinguisher at hand.

- Hydraulic fluid is flammable. Do not weld on or near pipes, tubes, or hoses that are filled with fluid. Do not smoke when checking or filling the tank. Keep open flames and sparks away from the baler.
- Hay dust is combustible. Do not have an open flame or weld in dusty environments.
- Maintain the engine cooling system to avoid overheating.
- Remember, there is always a risk of fire.

Fire Fighting Equipment

- It is recommended to carry an "ABC" fire extinguisher on the baler or in the pull vehicle at all times. Install it within easy reach of the operator in a position that protects it from damage. Use only a "quick release" type of mount. It is also recommended to carry a four gallon water container with a pump, or as required by local and state law.
- Keep your fire extinguisher(s) fully charged and in good working order. Know how to use them.
- Read and understand the instructions printed on the canisters and learn how to operate them. Learn how to remove the canisters from their mounting brackets in the shortest amount of time.
- Service the extinguisher according to the manufacturer's specifications. Service after every use, no matter how short a time.

Fire Suppression

- Do not panic. At the first sign of trouble (burning smell, smoke, visible flame, etc), stop the tractor and turn off the engine in the clearest area available, with the tractor upwind from the baler if possible.
- If the fire cannot be extinguished safely, immediately evacuate the area. DO NOT attempt to extinguish it. DO NOT risk personal injury. Contact your local fire department.
- If you have determined that the fire may be safely extinguished, use the fire extinguisher according to the manufacturer's instructions, or use the water pump, aiming water at the base of the fire.
- When the baler has fully cooled, thoroughly inspect, and make all necessary repairs to return the baler to normal operation.
- Recharge or replace the extinguishers before returning to work.

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PRELIMINARY

Decal & Signage Installation

Page 1 of 1

Note: Illustration not available at time of publication.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
906340 Decal & Signage Installation							
1	SGN0024006	1	. Sign, Slow Moving Vehicle	24	FD7000A946	1	. Decal, Towing Precaution, 1592
2	MNT0000001	1	. Kit, Sign Mtg	25	FD00021937	1	. Caution Decal 1000 Rpm -1500
3	BKT0000001	1	. Bracket F/Slow Moving Veh Sign	26	FD7000A952	1	. Decal, Drawbar Hitch - 1592
4	NP00000100	1	. Plate, Model/Serial #	27	906150	1	. Decal, Shutdown & Diagnostics
5	904282	3	. Decal, Control Output Disable	28	FD7001A948	1	. Decal, Fan Switch (1592)
6	FD70000170	4	. Decal, Red Reflector-1592	29	FD00037145B	2	. "D" Decal-1592
7	FD70000434	2	. Decal, Manuf In Usa	30	FD00022124	1	. Decal, Patent Numbers-Hay Equip
8	FD70000445	3	. Decal, Lift Point	31	FD000505626	14	. Decal, Tape Blk/Yellow 3"-1592
9	FD70000722	8	. Decal, Yellow Reflector Stickon	33	FD00007111	1	. Decal, Freeman (25" X 4" White)
10	FD7000A896	6	. Decal, Warning - Moving Parts	34	FD00024865	1	. L. H. Freeman 1592 Decal
11	FD7000A897	2	. Decal, Danger Baler Intake-1592	35	FD00024866	1	. R. H. Freeman 1592 Decals
12	FD00025249	1	. Decal, Hoist Baler-Lift Points	36	FD00023571	2	. Decal, "Danger! Serious Injury Can..."
13	FD00029854	1	. Decal, Feeder Crank Caution	37	FD7000A899	2	. Decal, Warning- No Riders
14	FD00023951	2	. Decal, Lug Nut	38	FD00023572	2	. Decal, Caution- Keep Shields In Place
15	DRV0383333	1	. Decal, Danger Rotating Driveline	39	FD00023473	1	. Decal, Caution..... (9 1/4 X 10)
16	FD7000A920	3	. Decal, Danger Falling Hazard	40	FD00023534	2	. "Keep Shields In Place..."
17	FD7000A923	2	. Decal, Warning - Fork Crank	41	FD00018808	1	. Hydraulic Fluid Decal-1500
18	FD7000A925	1	. Decal, Warning Use Ladder-1592	42	FD00025126	2	. Decal, Pickup Hazard Warning
19	FD7000A933	2	. Decal, Warning - Moving - Crush	43	FD00023583	2	. Decal, Warning-Keep Hands Clear
20	FD7000A934	2	. Decal, Warning Needle Frame	44	FD00023576	4	. Decal, "Danger!Look & Listen For..."
21	FD7000A936	2	. Decal, Warning Knotters- 1592	45	FD00023581	2	. Decal, Caution - Shut Off Motor
22	FD7000A937	2	. Decal, Warning Allow To Stop	47	STP0002000	40	. Step Cover-Safety Walk 2" Wide
23	FD00028042	1	. Decal, Sprocket Orientation				

Tension Rail Installation

Page 1 of 3

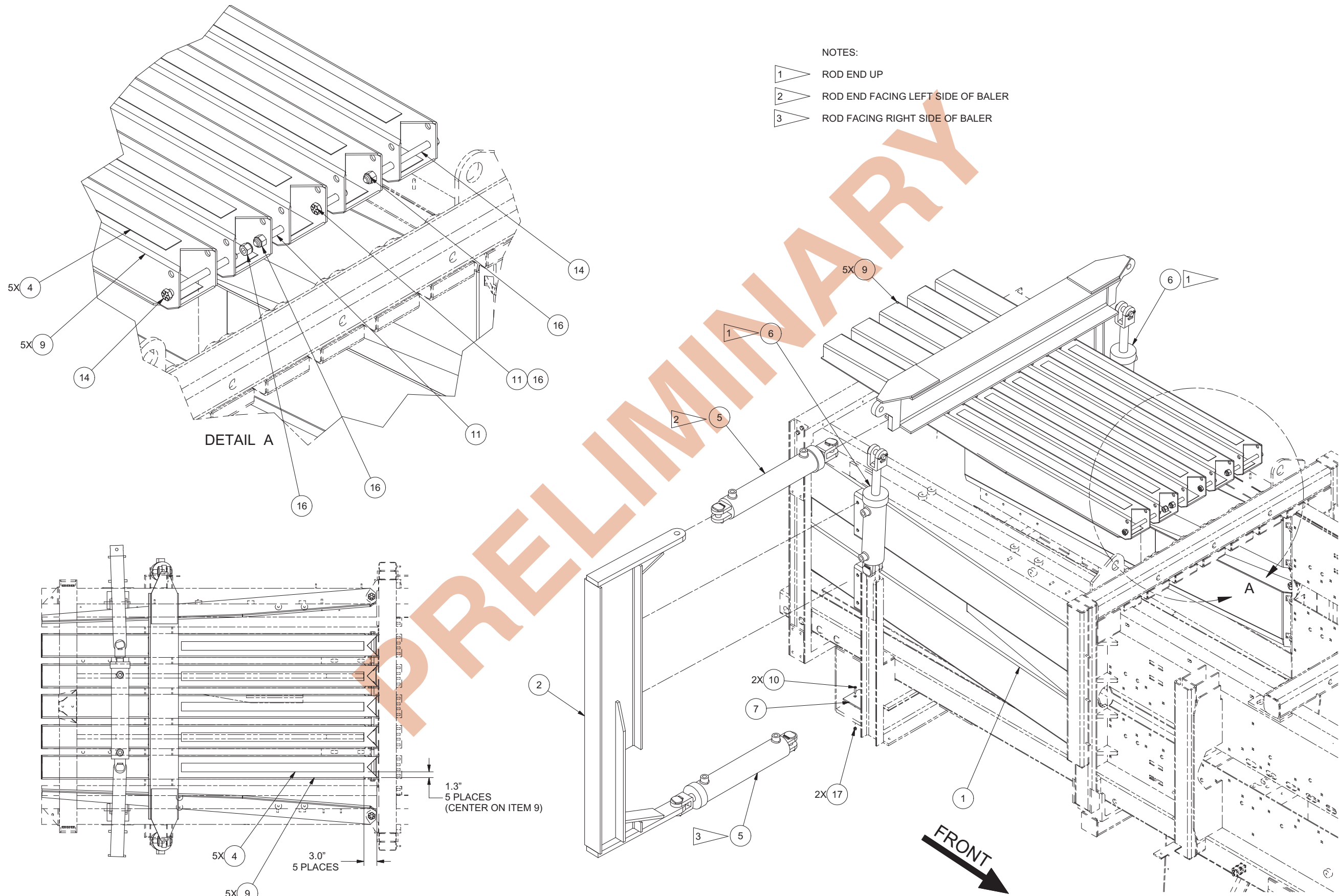
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905935		Tension Rail Installation				
1	906147	2	. Tension Rail Installation, Side	9	TNS0028067	5	. Rail, Top
	904221	4	.. Bushing	10	Y09G-0420	4	. Capscrew
2	905877	1	. Comp Beam, RH	11	Y17C-1056	2	. Capscrew
3	905879	1	. Comp Beam, LH	12	200454W	13	. Capscrew
4	905943	5	. Strip, Skid	13	R13806324	8	. Capscrew
5	CYL0TC3516	2	. Hydraulic Cylinder - Modified	14	241030	2	. Capscrew
	SELOTC3516	1	.. Seal Kit	15	393939W	13	. Nut
	TC0000035P	4	.. Pin, Clevis	16	224121	4	. Nut, Esna
6	CYL00TC408	2	. Hydraulic Cylinder - Modified	17	235620	4	. Nut, Esna
	SEL0000KT4	1	.. Seal Kit	18	232024	8	. Nut, Esna
	HYP000TC4P	4	.. Pin, Clevis				
7	LIN0016227	2	. Beam, Support Wear Liner -1500				
8	TNS0022468	1	. Top Tens Rail Compression Beam				

Rev B

PRELIMINARY

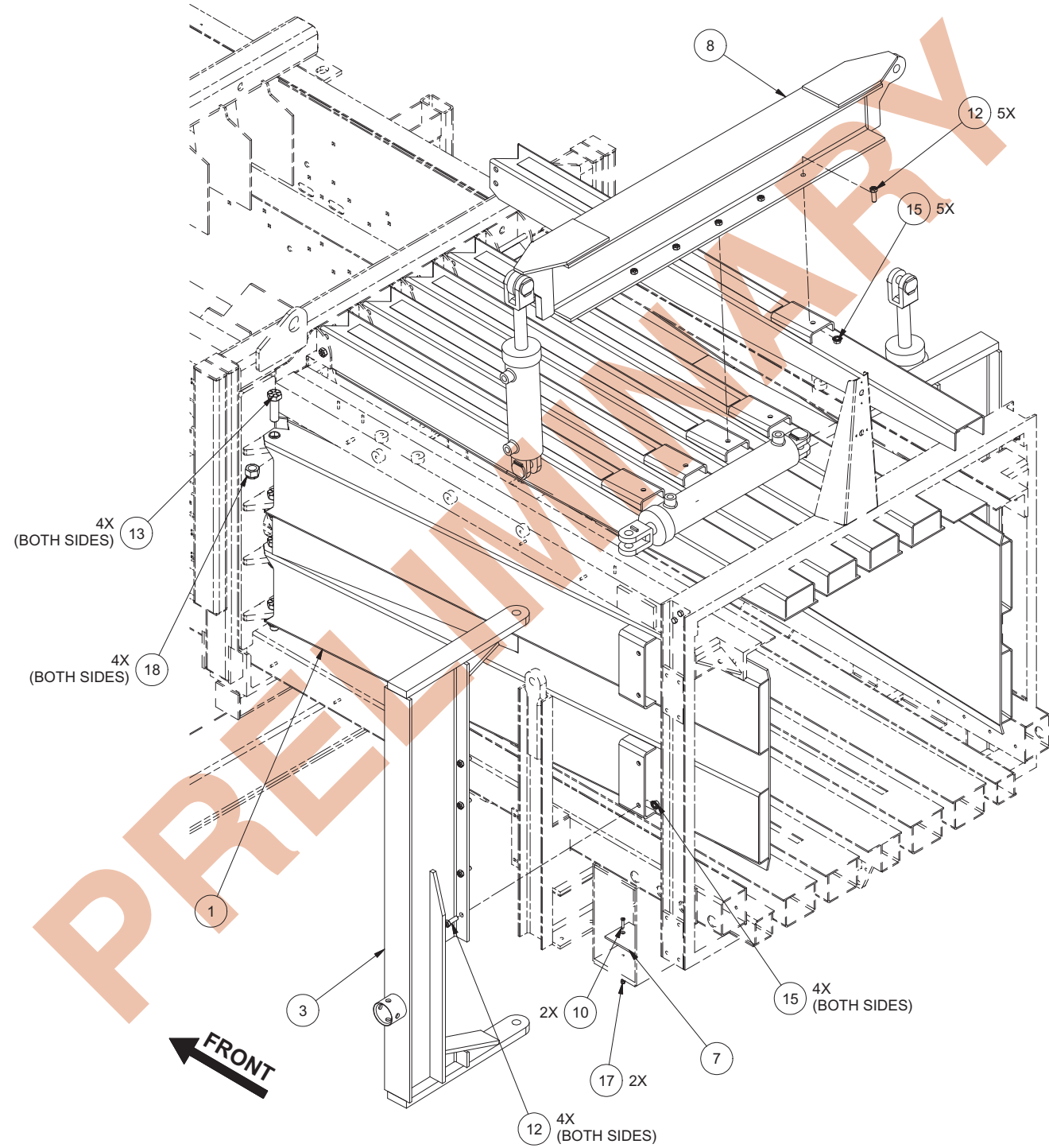
Tension Rail Installation

Page 2 of 3



Tension Rail Installation

Page 3 of 3

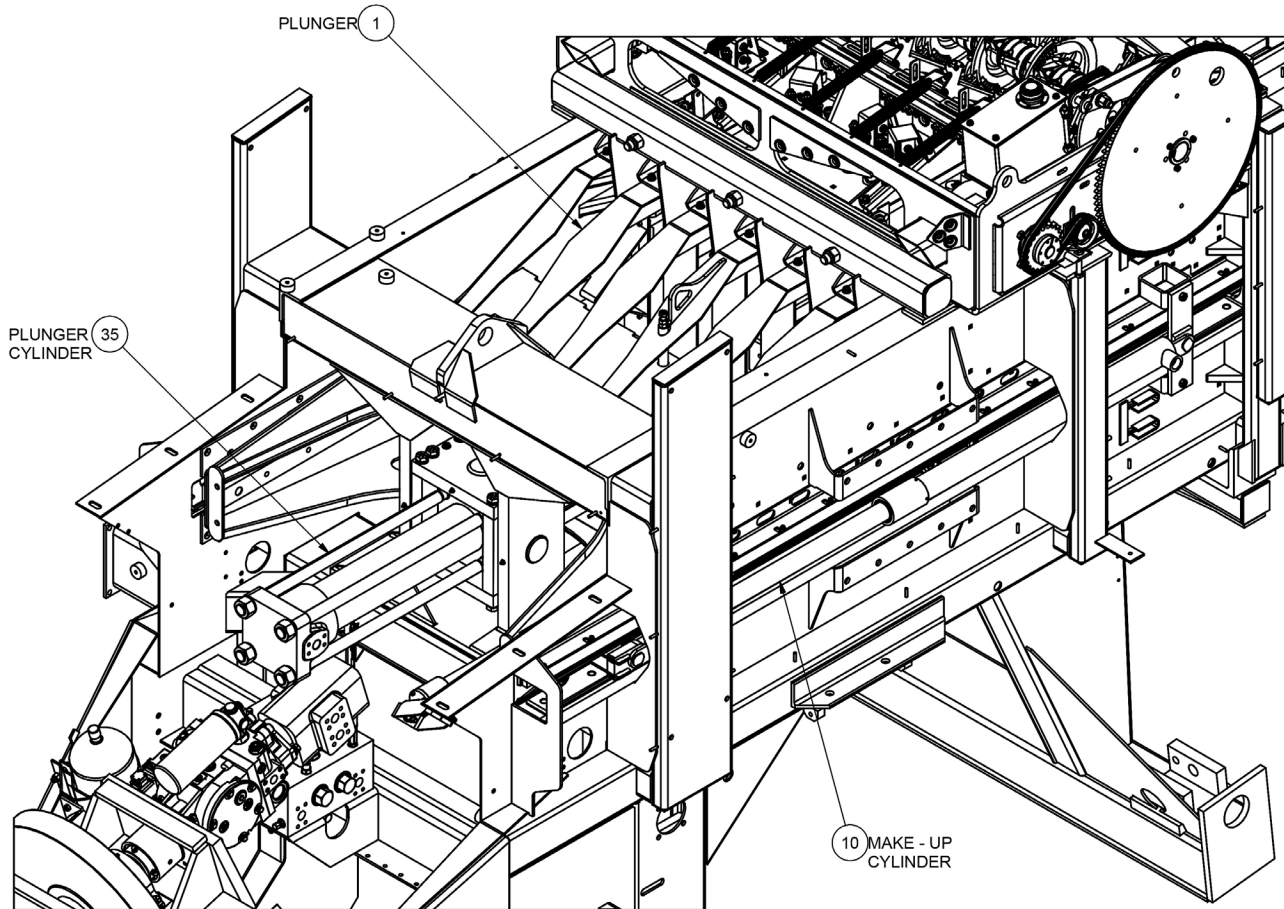


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PRELIMINARY

Plunger Installation

Page 1 of 6



VIEW 1
PLUNGER INSTALLATION,
GENERAL ARRANGEMENT

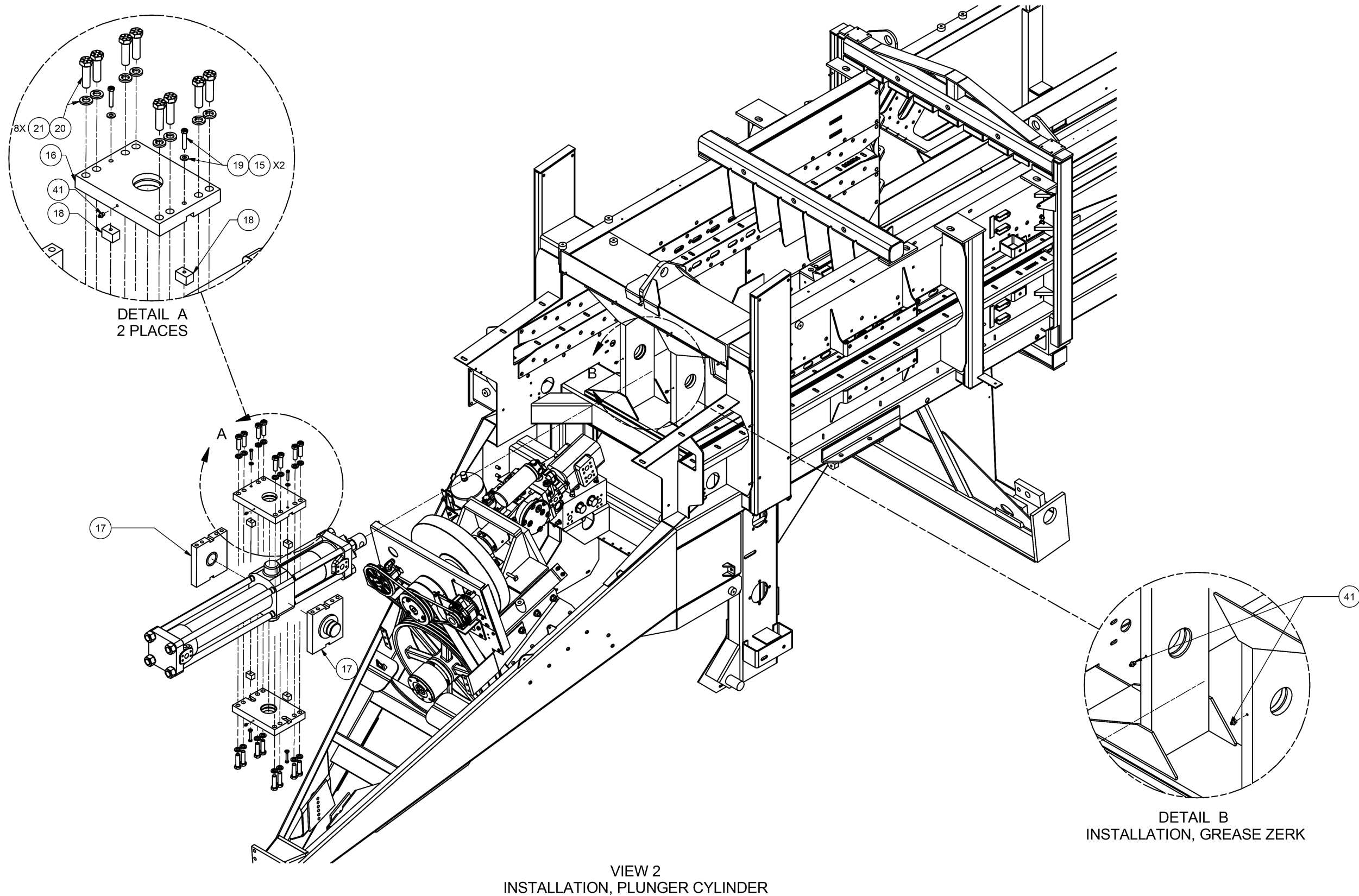
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905608		Plunger Installation				
1	* 905609	1	. Plunger Assembly (Page 27)	25	R13811193	4	. Locknut
2	905663	2	. Cover, Plunger Assy	26	R13811191	78	. Locknut
3	KNF0022602	5	. Plate, Center	27	Y17C-0616	8	. Capscrew
6	905634	2	. Plate, Shim	28	905642	2	. Mount Assy, Cylinder
7	905635	2	. Plate, Shim		Y088307.5	1	.. Bearing
8	905633	2	. Plate, Outer Knife	29	201567	8	. Lockwasher
9	PWB3751750	14	. Bolt, Plow	30	Y17C-1024	4	. Capscrew
10	CYL0024785	2	. Cylinder, Makeup	31	221775W	4	. Washer
	SEL0024785	1	.. Kit, Seal	32	SHM0226040	5	. Shim
11	905370	8	. Bar, Slide	33	SHM0226041	5	. Shim
12	905369	20	. Plate, Shim	34	R13802914	4	. Hard Washer
13	905525	2	. Mounting	35	* 905797	1	. Plunger, Cylinder Assy (Page 29)
14	221711W	2	. Hex Nut	36	PWB3751500	64	. Bolt, Plow
15	221767W	76	. Washer	37	200454W	4	. Capscrew
16	905493	2	. Plate, Cap	38	905666	2	. Pad, Scraper
17	905494	2	. Plate, Side	39	R13811015	4	. Capscrew
18	DRW0014869	4	. Key, Shear	40	201566	4	. Lockwasher
19	R13811039	4	. Capscrew	41	00191758	4	. Fitting, Lube
20	200608	16	. Lockwasher	42	245857	2	. Nut, Esna
21	221659W	16	. Capscrew	43	R13811095	1	. Capscrew
22	BRG00CYR3S	4	. Bearing, Cam Follower	44	904538	1	. Wedge Block
23	905673	4	. Capscrew	45	904539	1	. Wedge Block
24	16001W	4	. Lube, Threaded				

* See Separate Page

Rev A

Plunger Installation

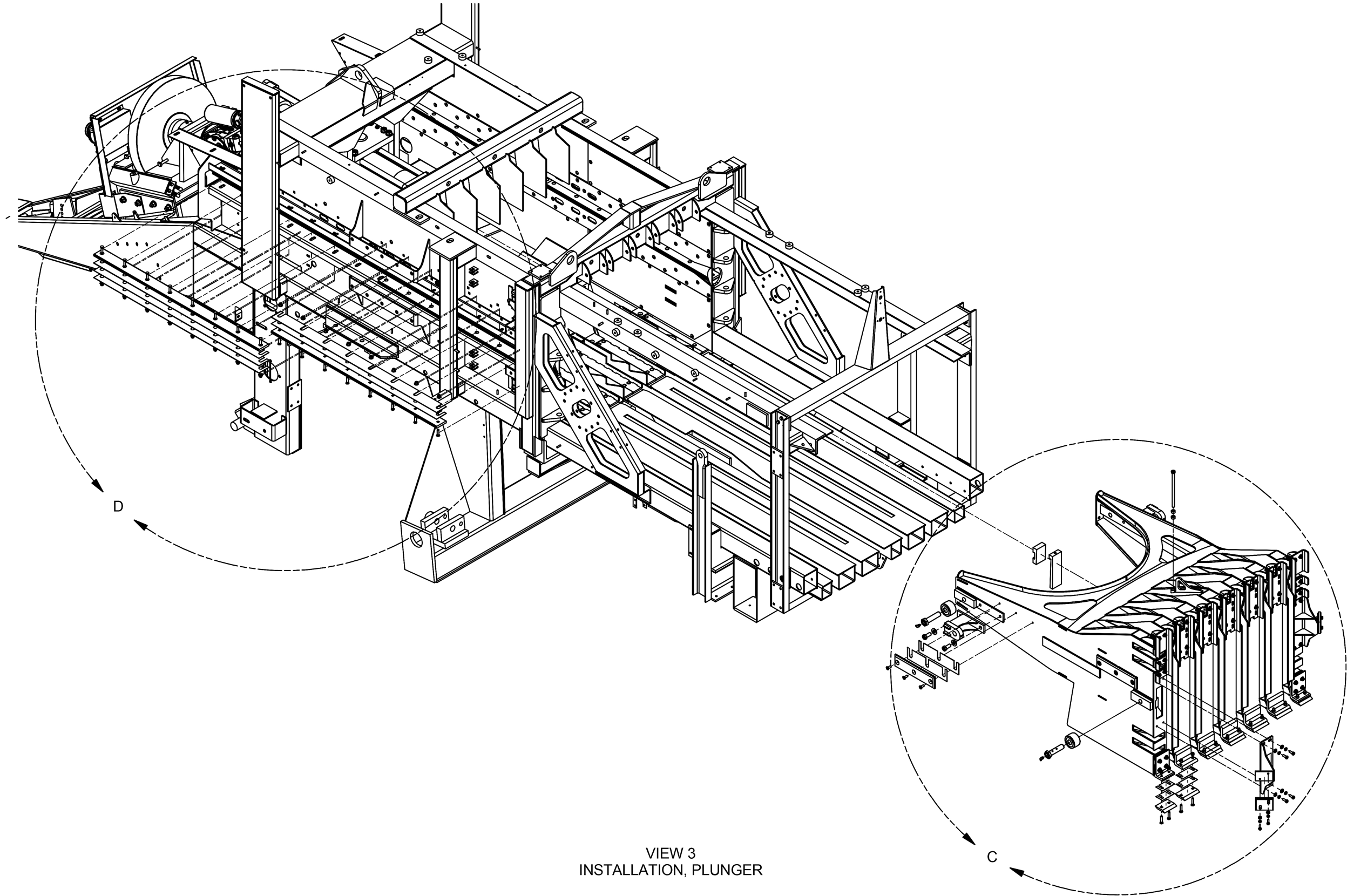
Page 2 of 6



PRELIMINARY

Plunger Installation

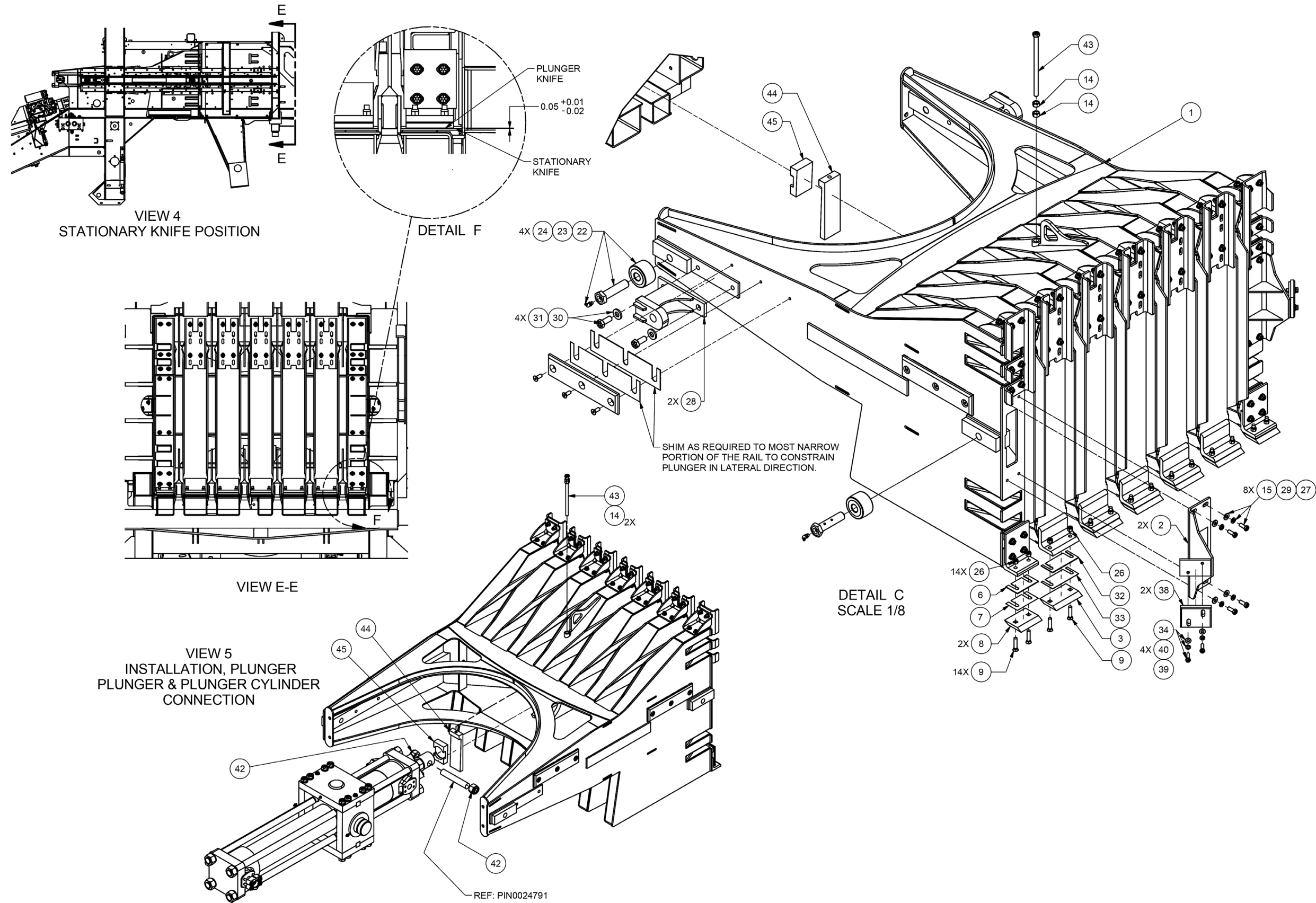
Page 3 of 6



PRELIMINARY

Plunger Installation

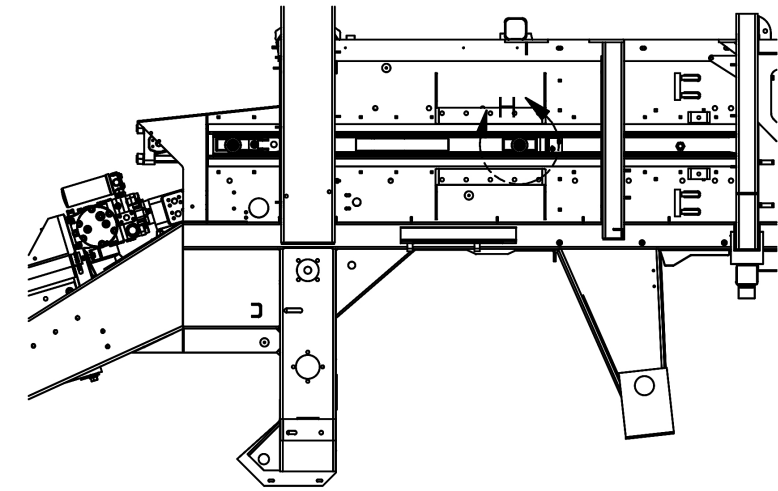
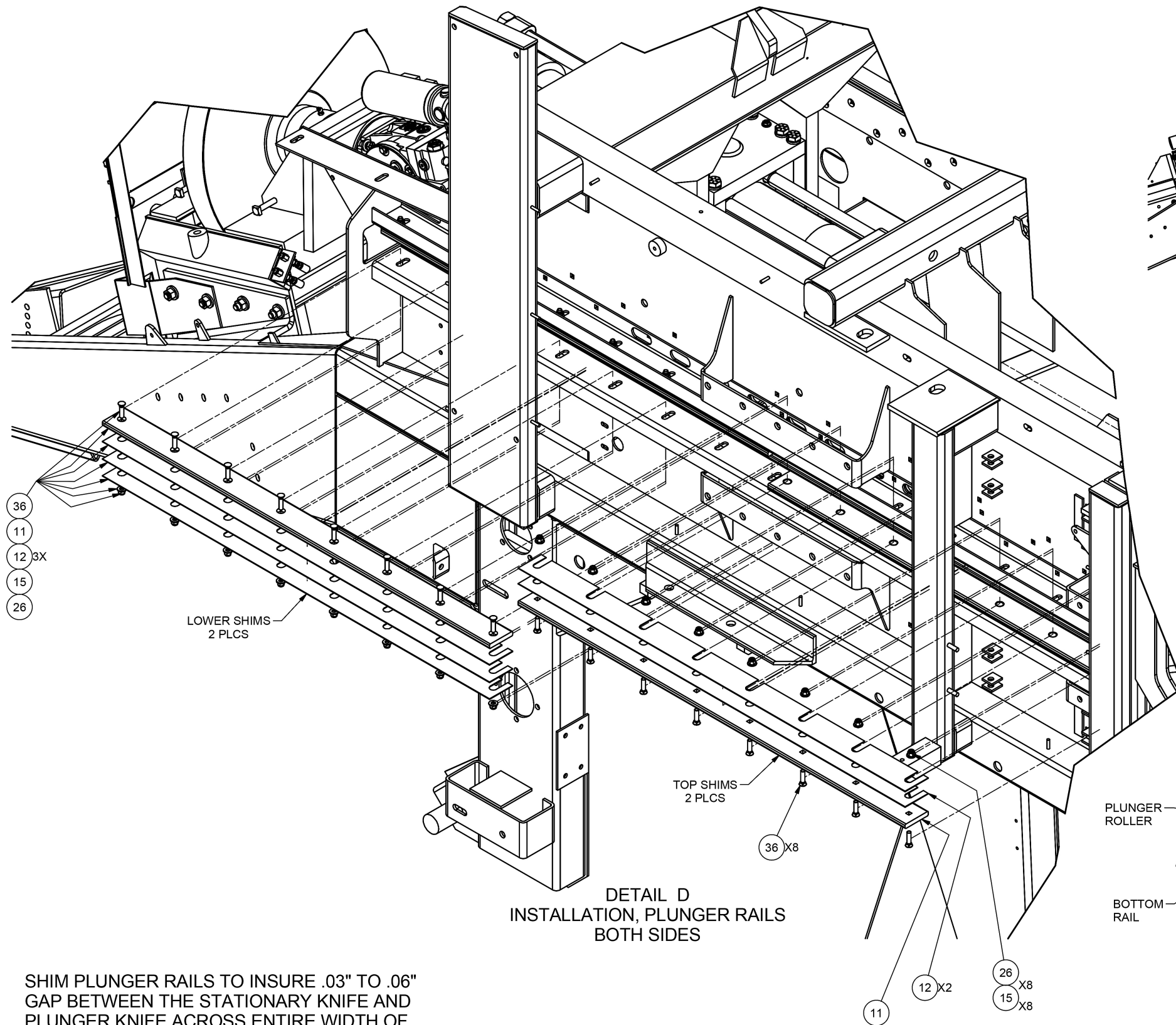
Page 4 of 6



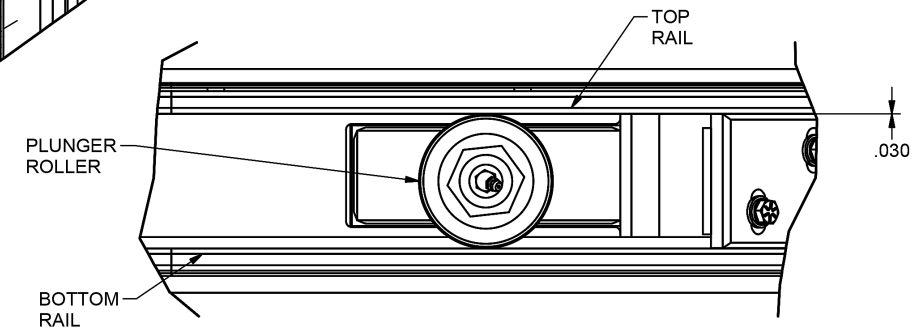
PRELIMINARY

Plunger Installation

Page 5 of 6



VIEW 6
INSTALLATION, PLUNGER RAILS



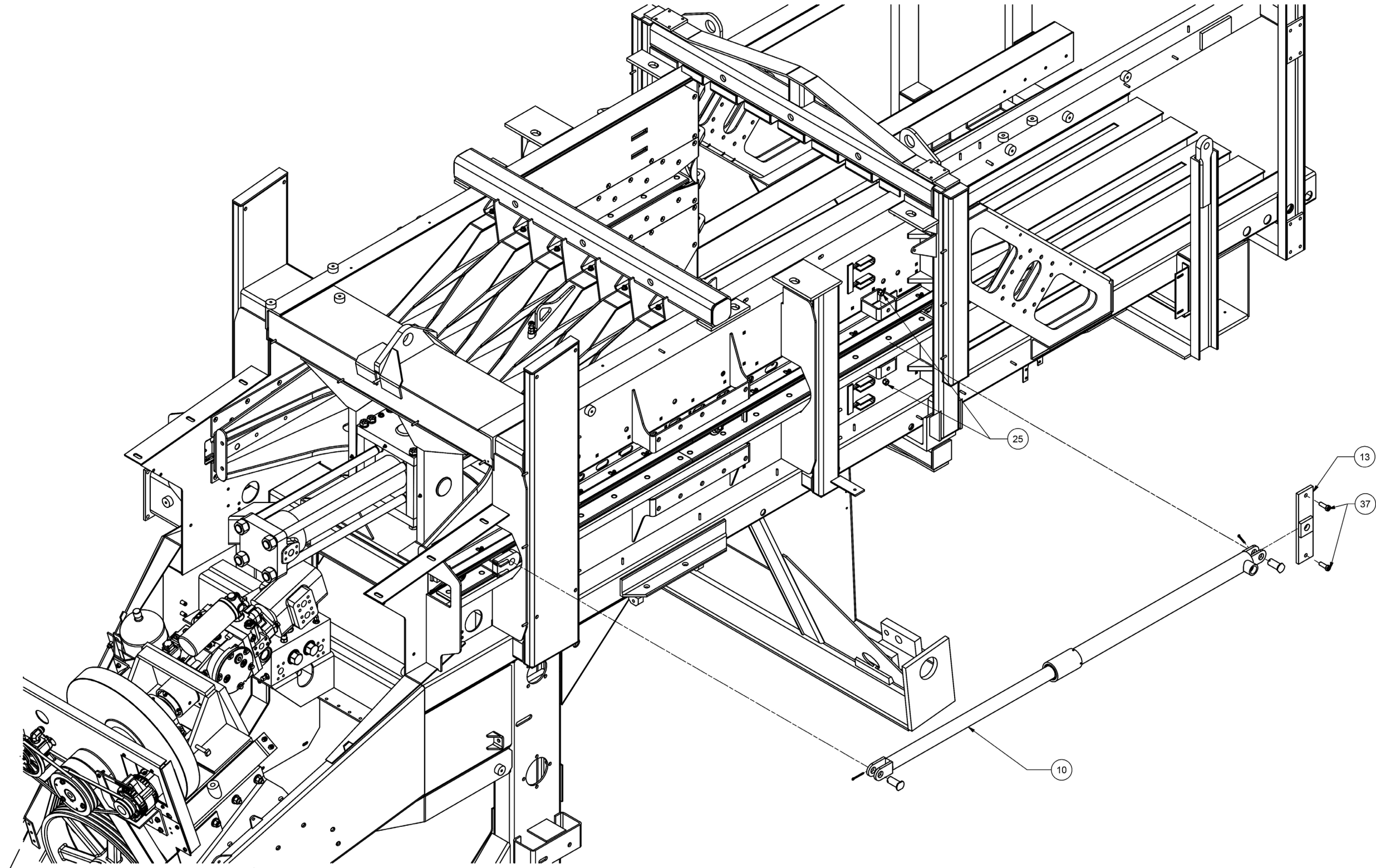
DETAIL H
PROPERLY INSTALLED PLUNGER ROLLER
MAINTAINES .03" GAP BETWEEN THE ROLLER
AND TOP RAIL.

SHIM PLUNGER RAILS TO INSURE .03" TO .06" GAP BETWEEN THE STATIONARY KNIFE AND PLUNGER KNIFE ACROSS ENTIRE WIDTH OF THE BALER (SEE DETAIL F ON PREVIOUS PAGE).

PRELIMINARY

Plunger Installation

Page 6 of 6



VIEW 7
INSTALLATION,
MAKE - UP CYLINDER
BOTH SIDES

PRELIMINARY

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PRELIMINARY

Plunger Assembly

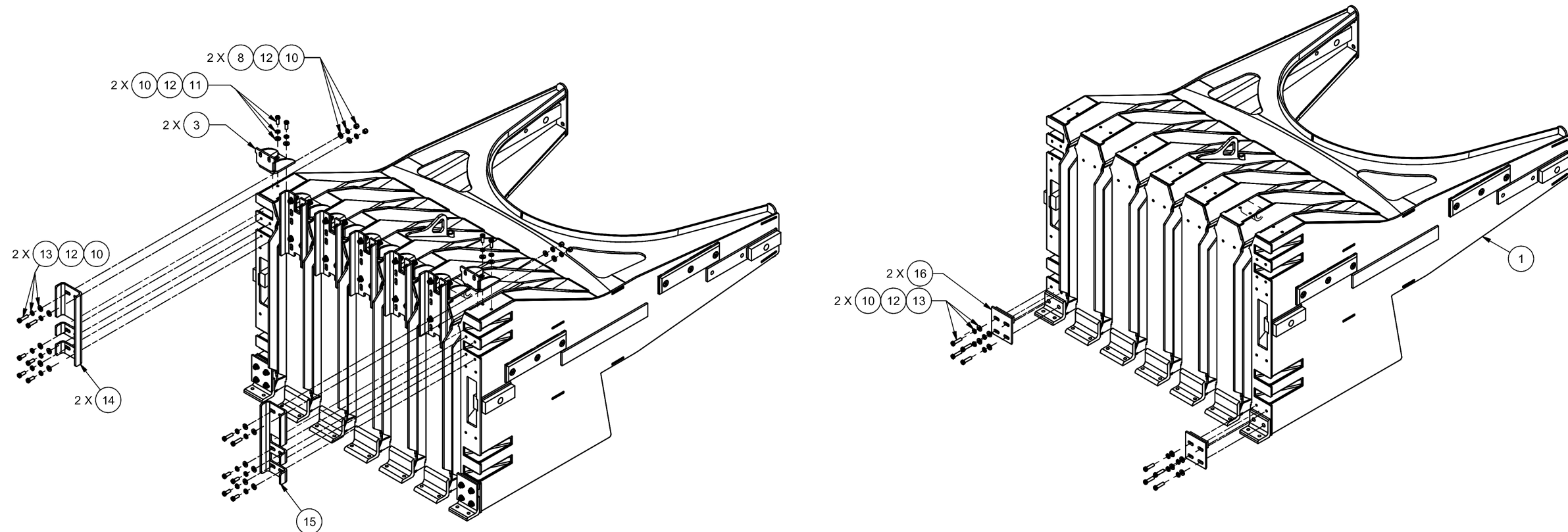
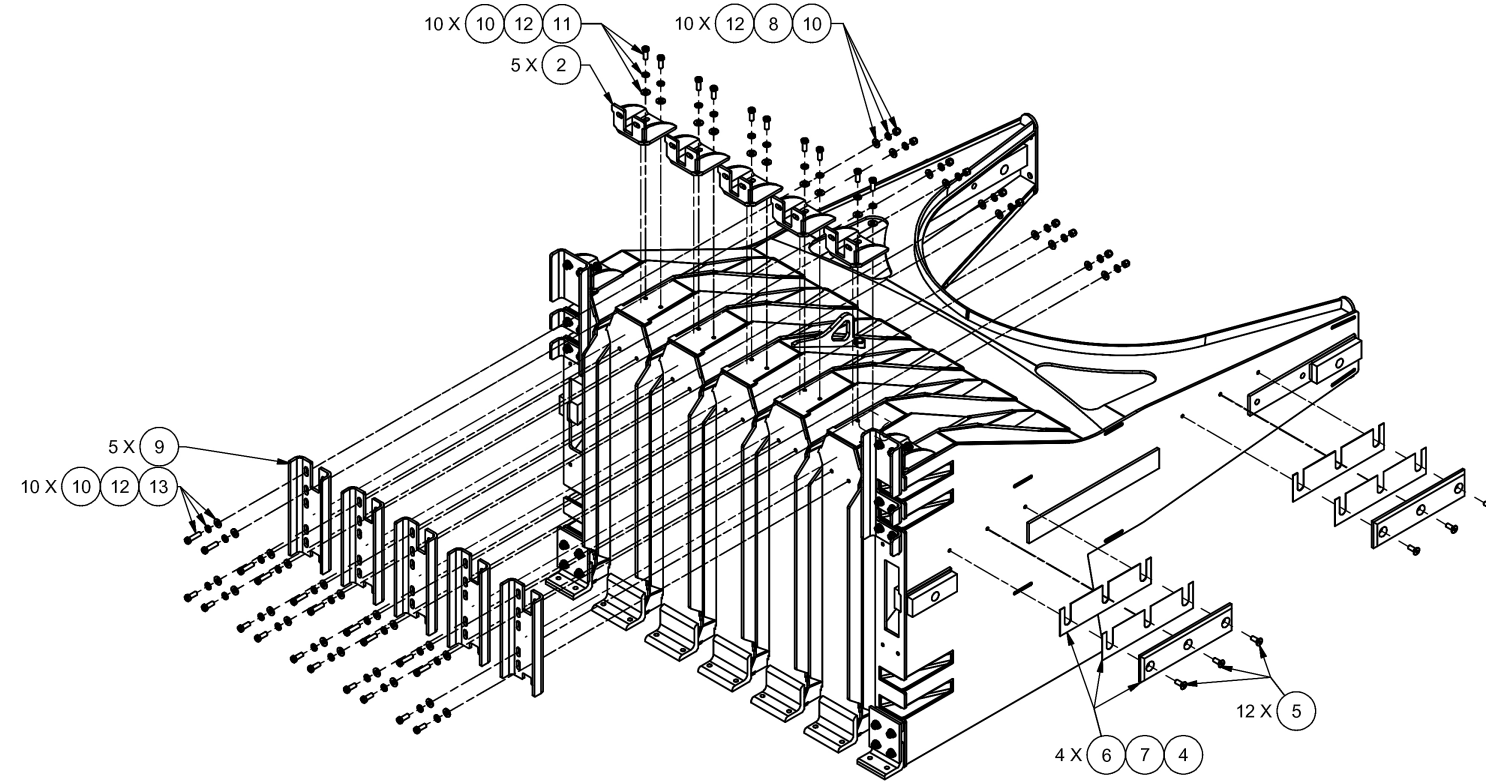
Page 1 of 2

PRELIMINARY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905609		Plunger Assembly				
1	905610	1	. Frame, Plunger	9	901622	5	. Plate, Face
2	901621	5	. Plate, Central Gusset	10	221767W	68	. Washer
3	901625	2	. Plate, Side Gusset	11	Y17C-0616	32	. Capscrew
4	905655	4	. Pad, Sliding	12	201567	68	. Lockwasher
5	Y09G-0616	12	. Capscrew	13	Y17C-0624	22	. Capscrew
6	905656	4	. Plate, Shim	14	905674	1	. Plate, LH Face
7	905657	4	. Plate, Shim	15	905675	1	. Plate, RH Face
8	R13811191	14	. Locknut	16	901900	2	. Face, Lower

Plunger Assembly

Page 2 of 2



PRELIMINARY

Plunger Cylinder Assembly

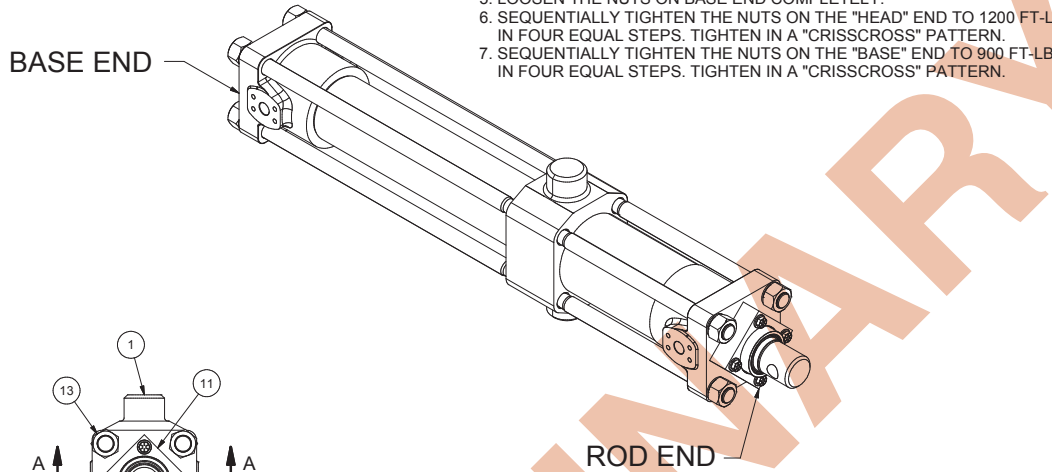
Page 1 of 1

ESSURE TEST

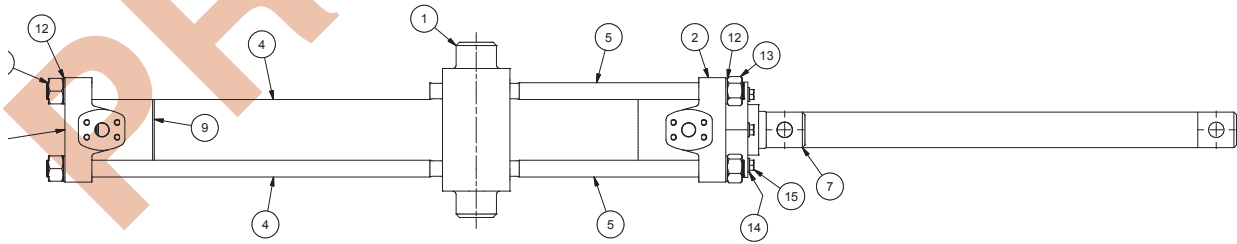
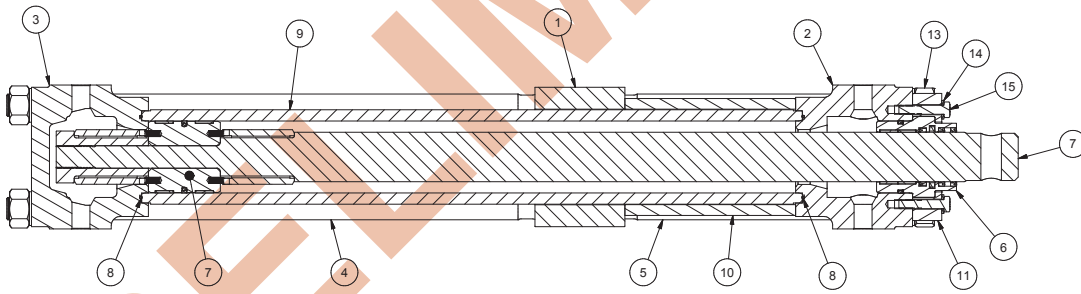
TEST EACH SIDE OF CYLINDER AT 7000 PSI (482 BAR) (48260 kPa)
 TEST CYLINDER MID STROKE AT 6,000 PSI (413 BAR) (41,368 kPa)
 LEAKAGE ACROSS PISTON NOT TO EXCEED 4 FL.OZ (118 CC) PER MINUTE

TIE ROD TIGHTENING PROCEDURE

1. CLEAN ALL THREADS AND APPLY MOLYKOTE "Gn-plus" LUBRICANT IN A THIN EVEN LAYER TO AT LEAST THE OUTER 1" OF THREAD LENGTH.
2. THREAD TIE RODS INTO TRUNNION (ITEM 1) ONLY UNTIL NO THREAD SHOWS.
3. INSTALL ALL NUTS (ITEM 13) AND WASHER (ITEM 14).
4. TORQUE ALL NUTS EVENLY TO 100 FT-LB (135 Nm) TO SEAT THE BARREL (ITEM 9) INTO THE HEAD (ITEM 2) AND BASE (ITEM 3).
5. LOOSEN THE NUTS ON BASE END COMPLETELY.
6. SEQUENTIALLY TIGHTEN THE NUTS ON THE "HEAD" END TO 1200 FT-LB (1625 Nm) IN FOUR EQUAL STEPS. TIGHTEN IN A "CRISSCROSS" PATTERN.
7. SEQUENTIALLY TIGHTEN THE NUTS ON THE "BASE" END TO 900 FT-LB (1220 Nm) IN FOUR EQUAL STEPS. TIGHTEN IN A "CRISSCROSS" PATTERN.



APPLY MOLYKOTE Gn-plus TO GLAND RETAINER BOLTS (ITEM 15) AND TORQUE TO 80FT-LB IN A "CRISSCROSS" PATTERN.



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905797 Plunger, Cylinder Assembly							
1	CYL037553E	1	. Cylinder Trunnion	9	CYL0023700	1	. Barrel
2	CYL0023690	1	. Head, Cylinder	10	SPC0023696	1PR	. Spacer
3	CYL0023692	1	. Base, Cylinder	11	DRW0023770	1	. Bar, Retain
4	CYL0017121	4	. Rod, Base	12	227047	8	. Lockwasher
5	CYL0017120	4	. Rod, End	13	NFH0012600	8	. Hex Nut
6	905798	1	. Plunger, Cylinder	14	R13811433	4	. Hard Washer
7	CYL036796E	1	. Assembly, Rod	15	221576W	4	. Capscrew
8	258383	2	. O-Ring		904736	1	. Seal Kit

Chamber Liner Installation

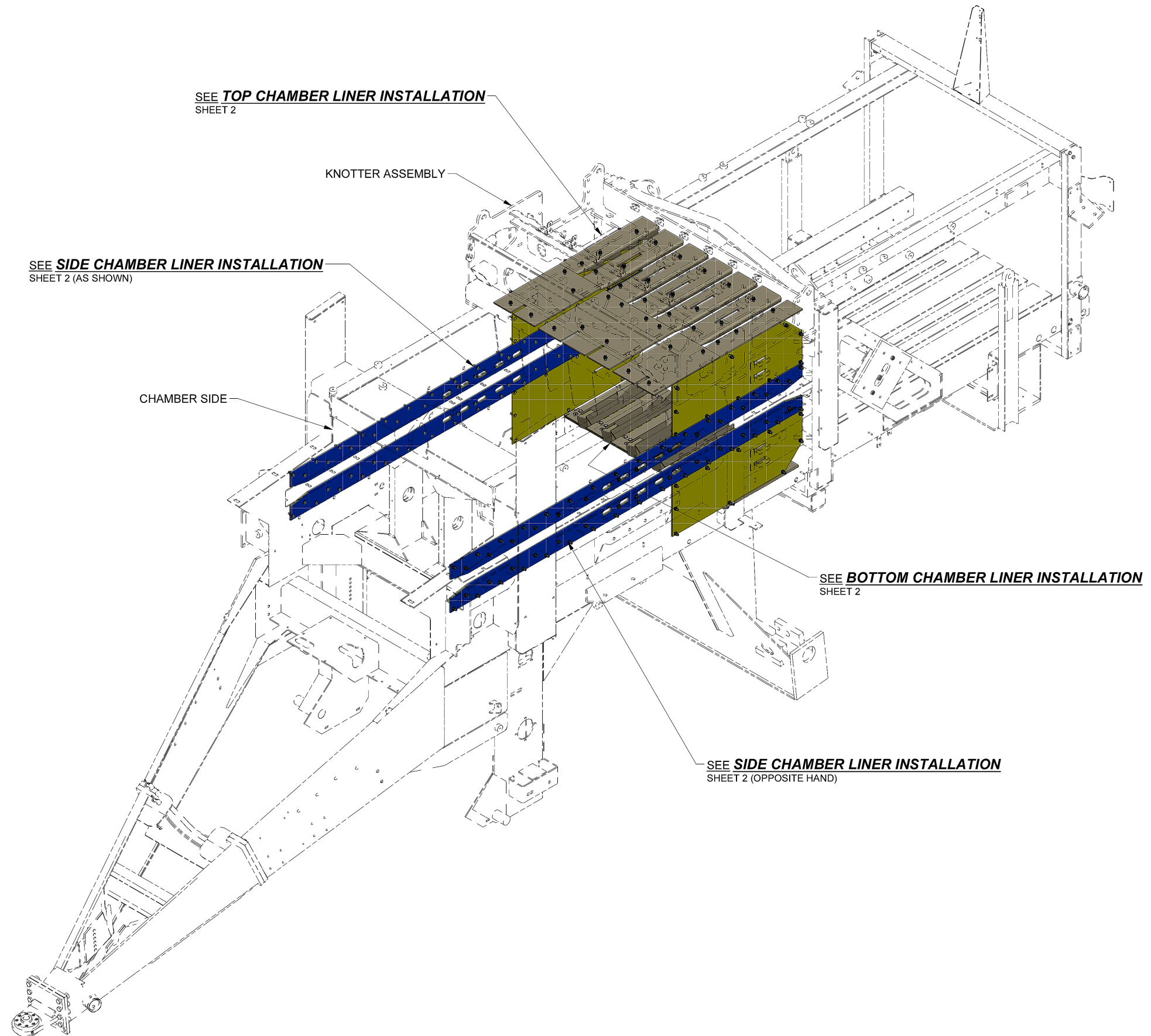
Page 1 of 4

PRELIMINARY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905936		Chamber Liner Installation				
1	905368	1	. Plate, Top	15	905377	1	. Plate, Bottom LH
2	905413	1	. Plate, Top LH	16	905378	1	. Plate, Bottom RH
3	905417	1	. Plate, Bottom LH	17	901629	1	. Plate, LH Knife
4	905420	1	. Plate, Top RH	18	901633	1	. Plate, RH Knife
5	905421	1	. Plate, Bottom RH	19	CRB3750013	37	. Bolt, Carr
6	905418	2	. Plate, Top	20	PWB3751250	181	. Bolt, Plow
7	905419	2	. Plate, Bottom	21	156133W	250	. Nut
8	905371	6	. Liner, Center Bottom	22	PWB3751500	32	. Bolt, Plow
9	905521	5	. Plate, Center	23	Y09G-0828	8	. Capscrew
10	905522	1	. Plate, Top RH	24	234655	6	. Kit, Seal
11	905523	1	. Plate, Top LH	25	R13811077	6	. Capscrew
13	LIN036841D	2	. Plate, RH Front Liner	26	393939W	8	. Nut

Chamber Liner Installation

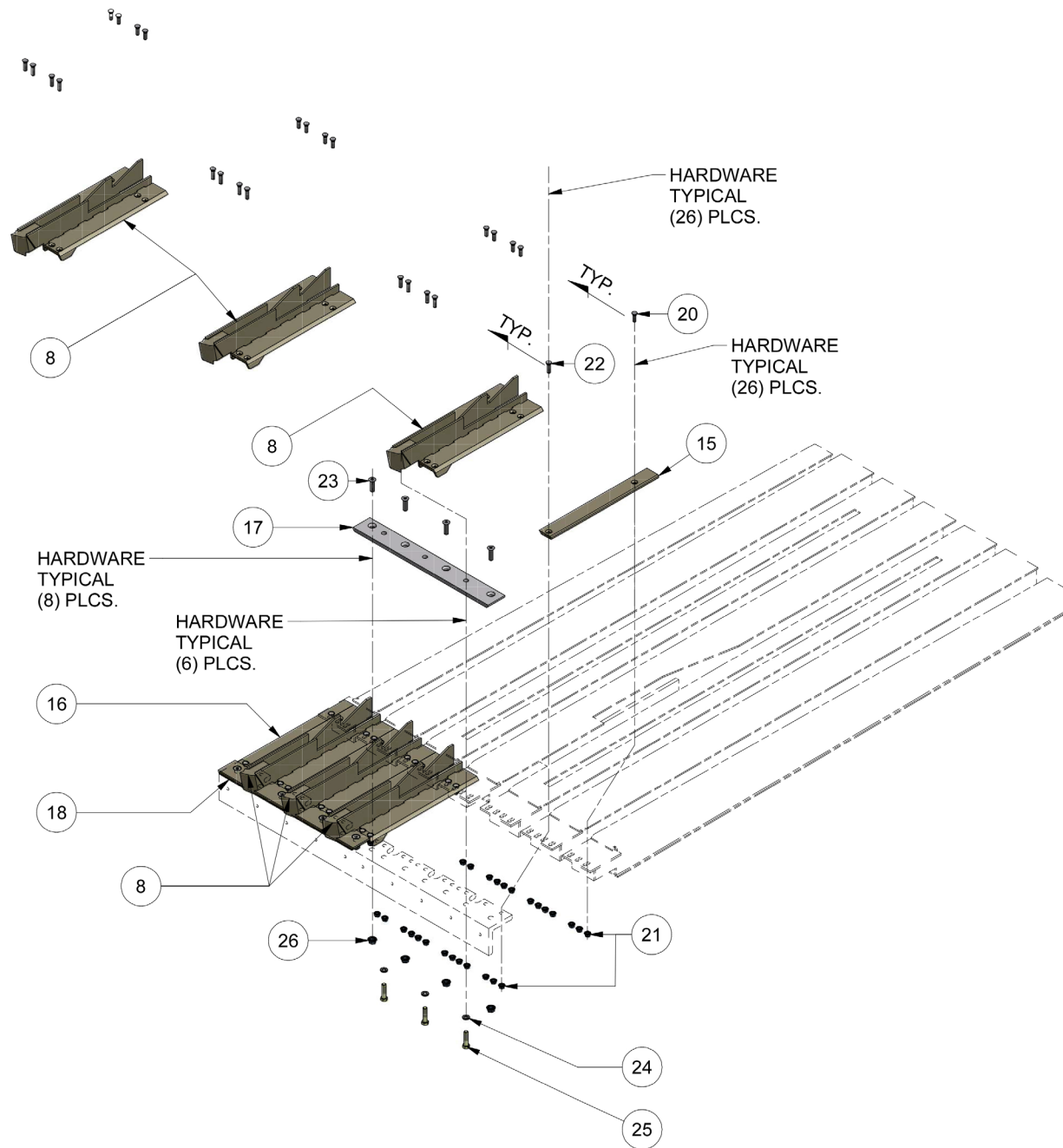
Page 2 of 4



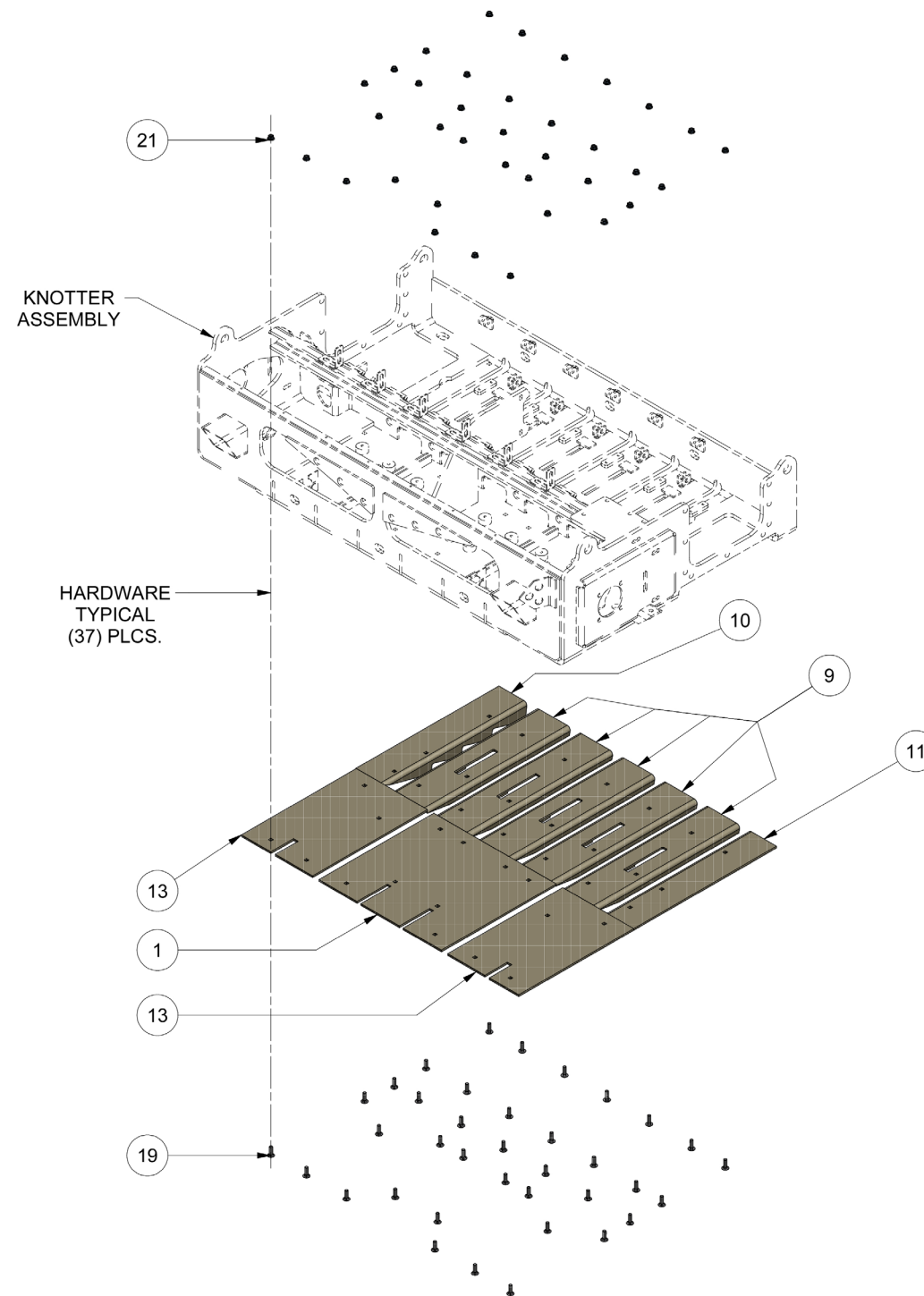
PRELIMINARY

Chamber Liner Installation

Page 3 of 4



BOTTOM CHAMBER LINER INSTALL

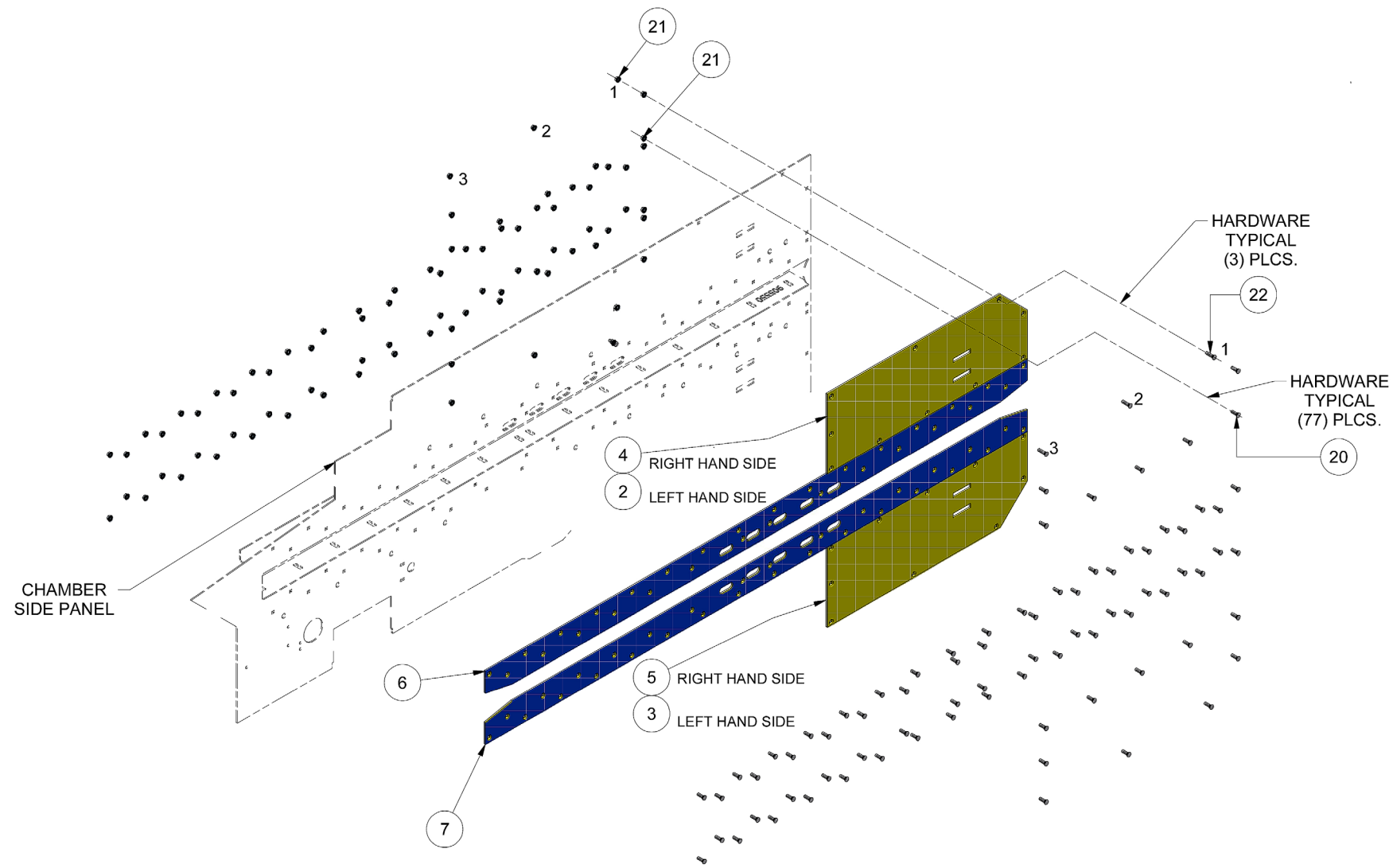


TOP CHAMBER LINER INSTALL

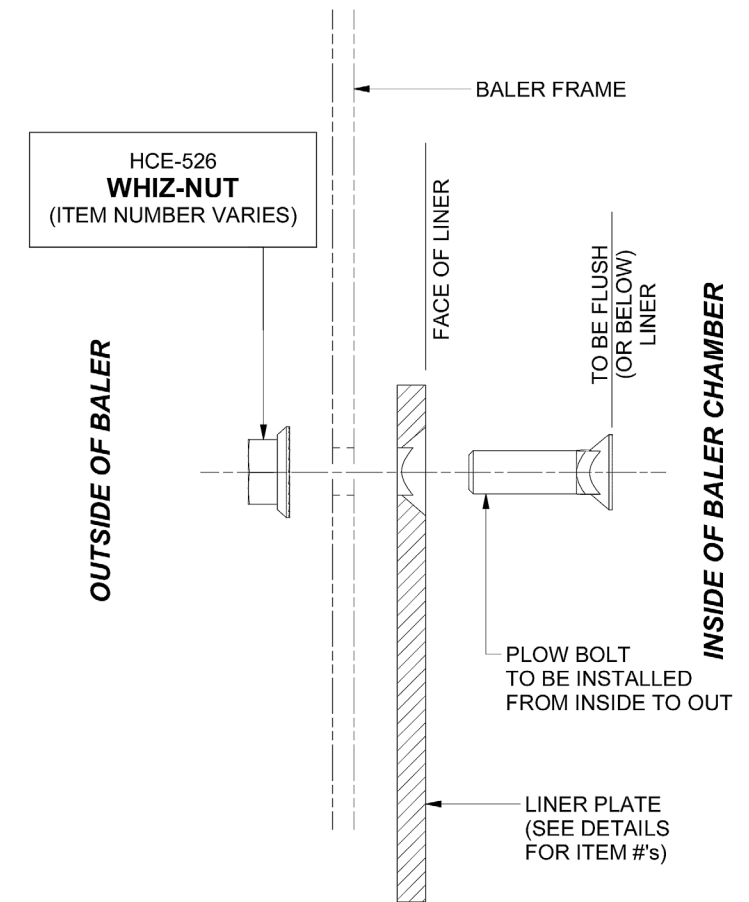
PRELIMINARY

Chamber Liner Installation

Page 4 of 4



SIDE CHAMBER LINER INSTALL
 RIGHT-SIDE (AS-SHOWN)
 LEFT-SIDE (OPP. HAND)



TYPICAL BOLTED CONNECTION

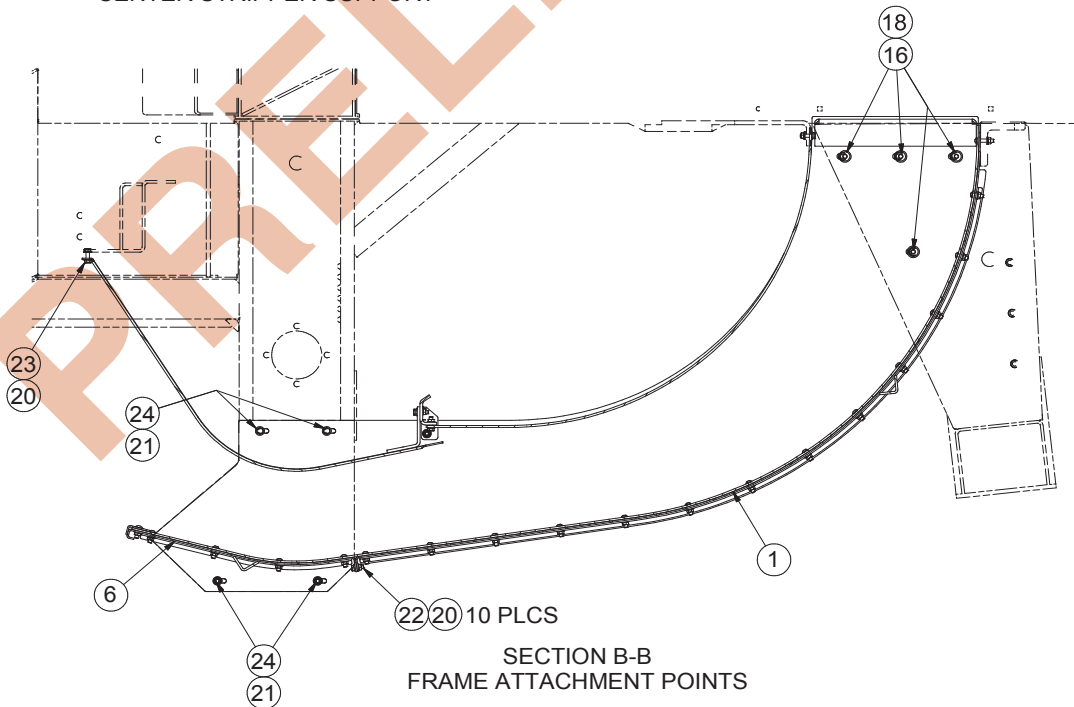
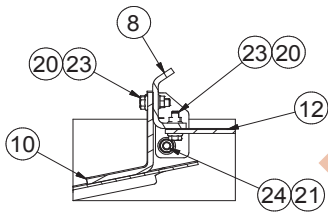
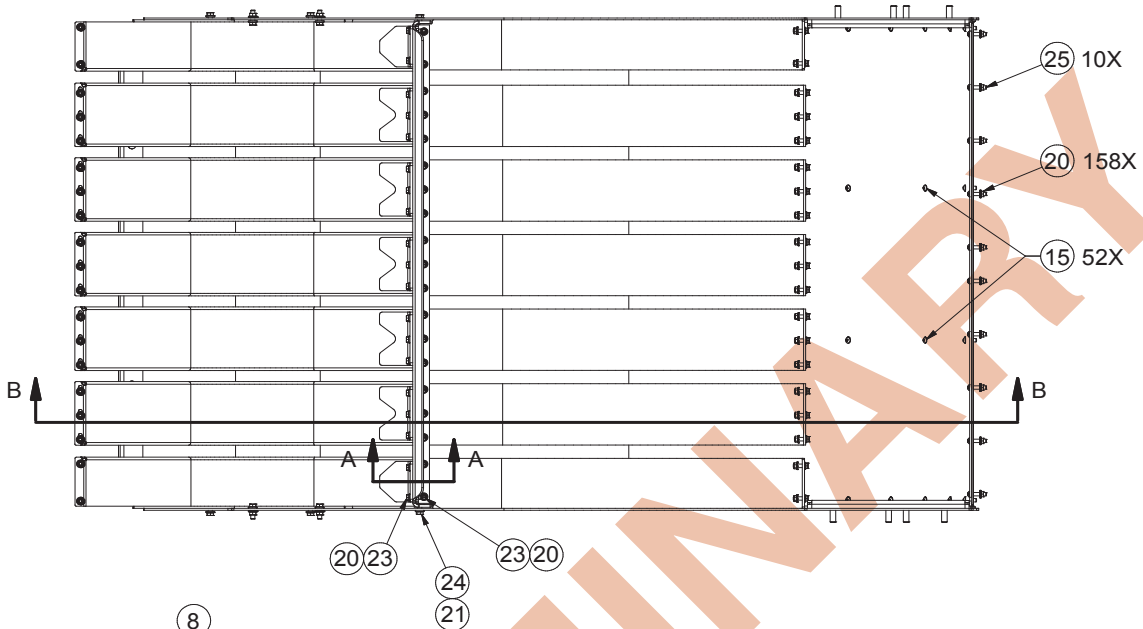
PRELIMINARY

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PRELIMINARY

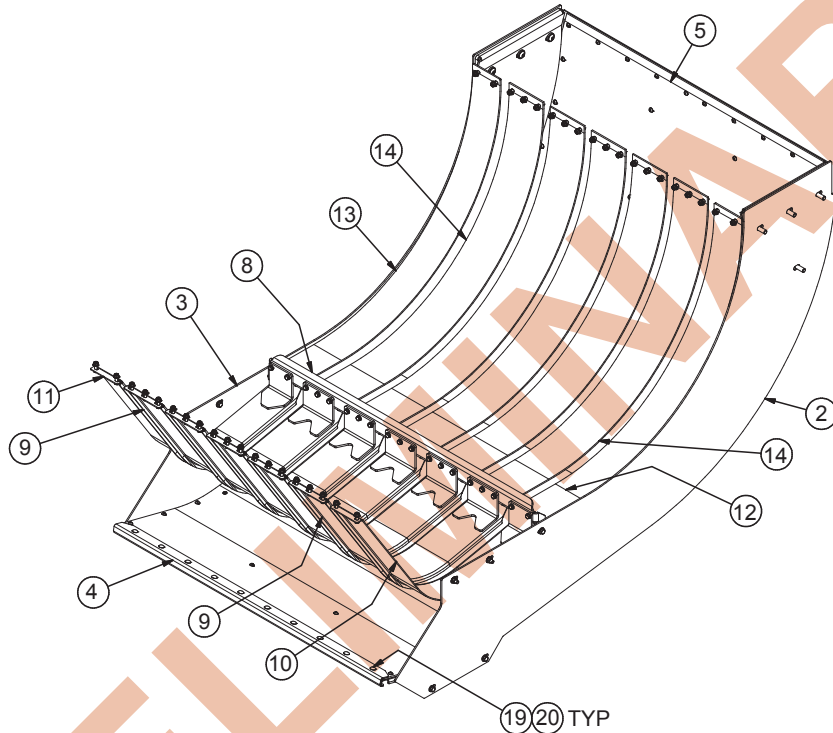
Infeed Chute Installation

Page 1 of 2



Infeed Chute Installation

Page 2 of 2



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905500 Chute Installation, Infeed							
1	905501	1	. Chute, Rear	15	Y25G-0516	52	. Capscrew
2	905507	1	. Chute, LH	16	Y25G-0824	2	. Capscrew
3	905508	1	. Chute, RH	17	Y09G-0824	6	. Capscrew
4	905511	1	. Plate, Anchor	18	221771W	2	. Washer
5	905512	1	. Plate, Liner	19	CRB3131000	10	. Bolt, Carr
6	905514	1	. Chute, Front	20	191534W	158	. Nut
8	905647	1	. Plate, Support	21	156133W	10	. Nut
9	905685	5	. Feeder Guard, Center	22	SMS0000184	10	. Bolt, Whiz
10	905688	1	. Guard, LH	23	SMS0000177	76	. Bolt, Whiz
11	905689	1	. Guard, RH	24	174413W	10	. Screw
12	905690	1	. Plate, Infeed LH	25	Y25G-0524	10	. Capscrew
13	905691	1	. Plate, Infeed RH				
14	GRD0022486	5	. Center Feed Chute Guard				

Rev A

Driveline Assembly

Page 1 of 2

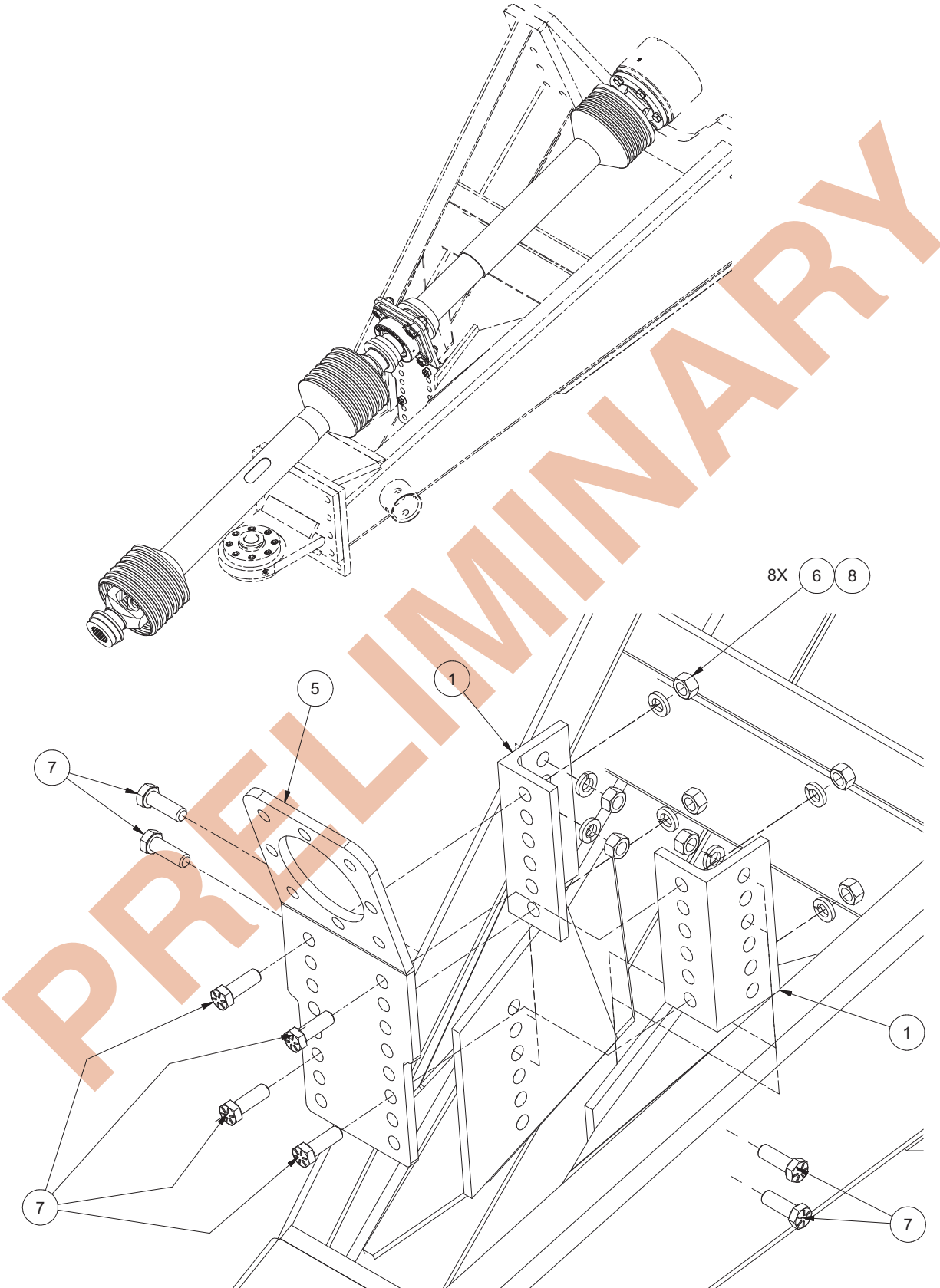
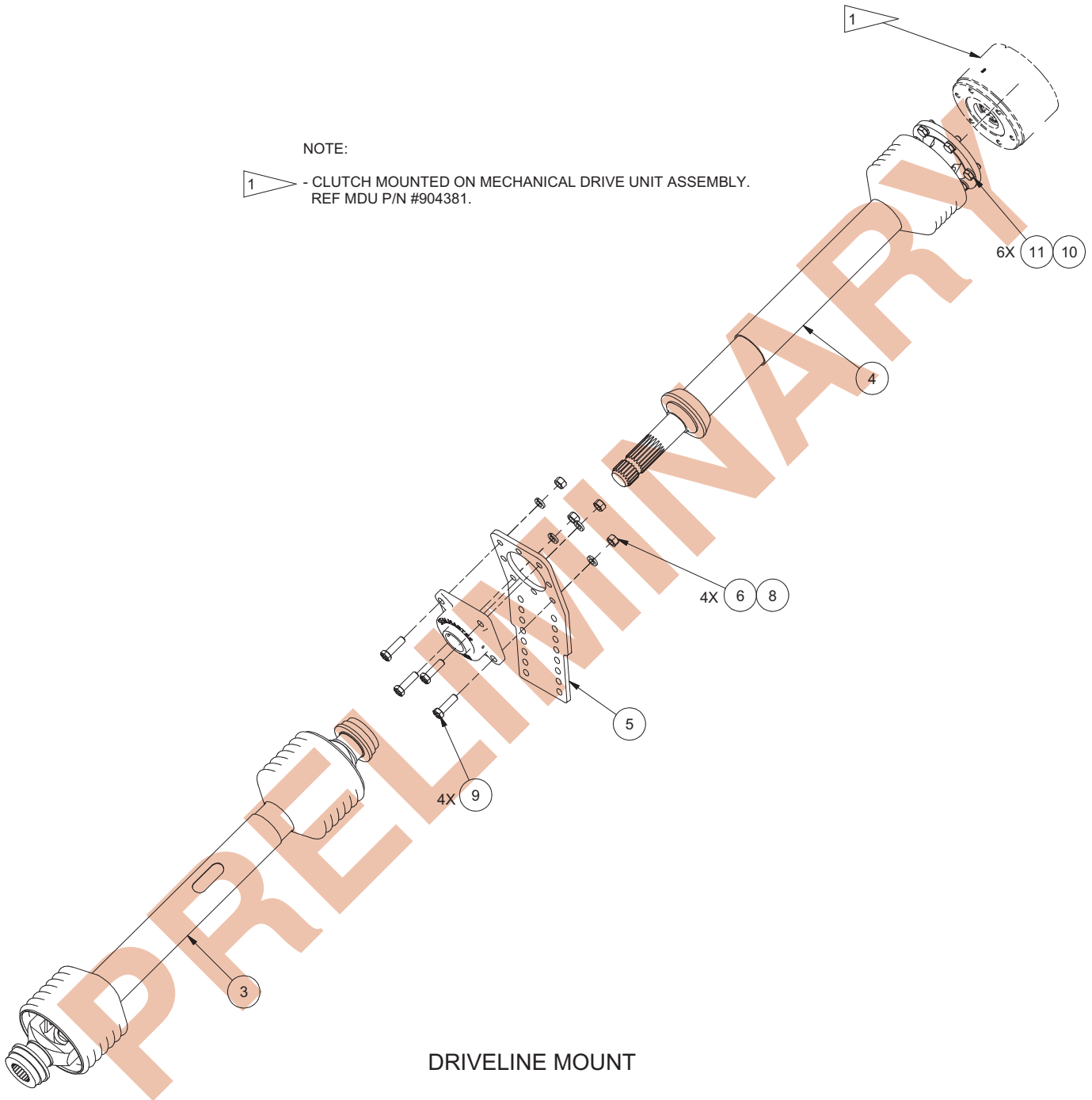


PLATE BEARING MOUNT

Driveline Assembly

Page 2 of 2

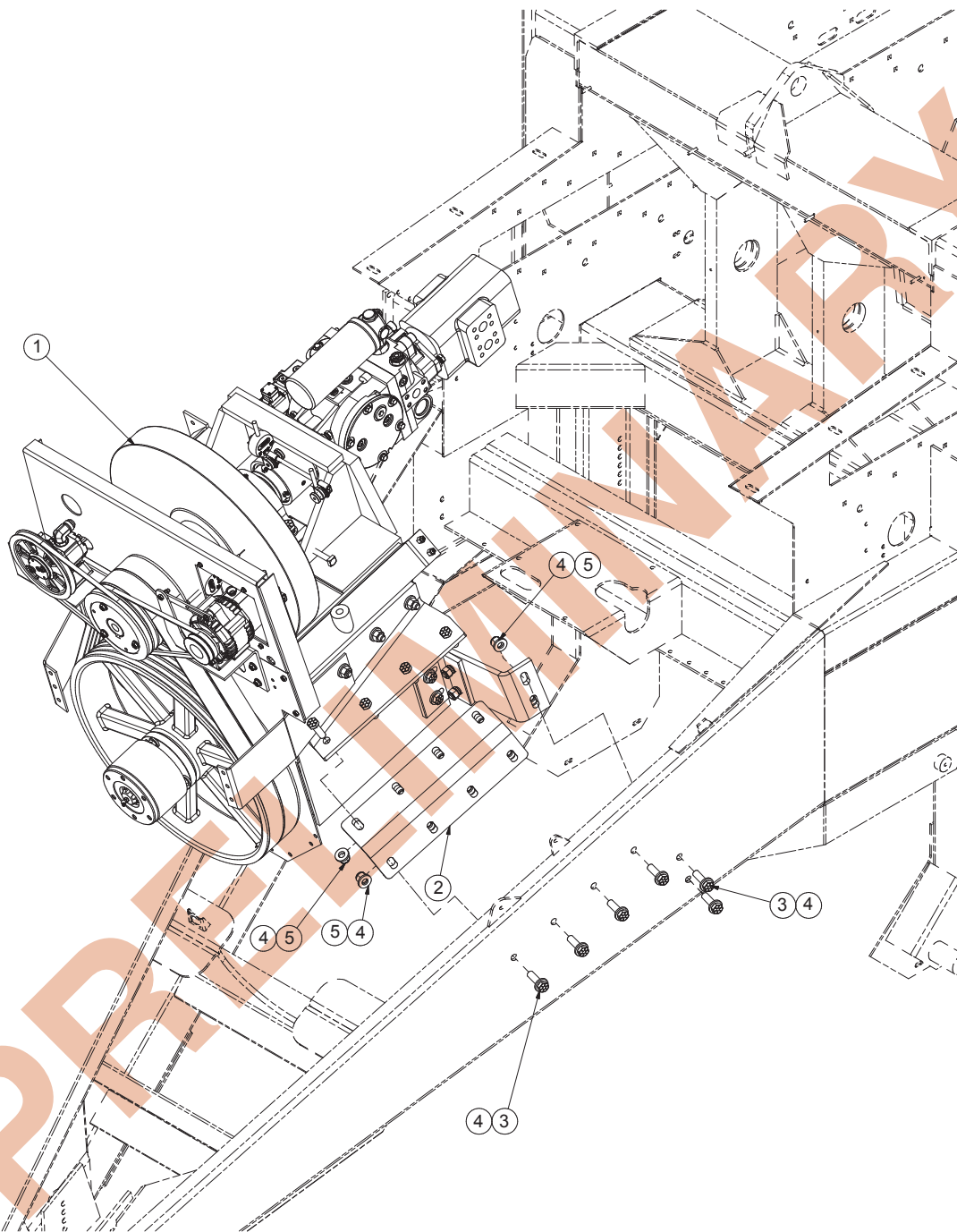


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	FOP0905803		Driveline Assembly				
1	ANG0027394	2	. Angle, Mounting	7	200454W	8	. Capscrew
2	BRG0000022	1	. Bearing	8	234665	12	. Lockwasher
3	DRV0389774	1	. Front Shaft F/3Pc Driveline	9	221569W	4	. Capscrew
4	DRV0389779	1	. Secondary Shaft F/3Pc Driveline	10	293644W	6	. Capscrew
5	MNT0028883	1	. Plate, Brg Mnt	11	233477	6	. Lockwasher
6	221711W	12	. Hex Nut				

Rev A-A

Mechanical Drive Unit Installation

Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905950		Mechanical Drive Unit				
1	* 904381	1	. Drive Unit Assy, Mechanical (Page 40)	4	221775W	32	. Washer
2	905477	2	. Plate, Mounting	5	224121	20	. Nut, Esna
3	Y17C-1036	20	. Capscrew				

* See Separate Pages

Drive Unit Assembly, Mechanical

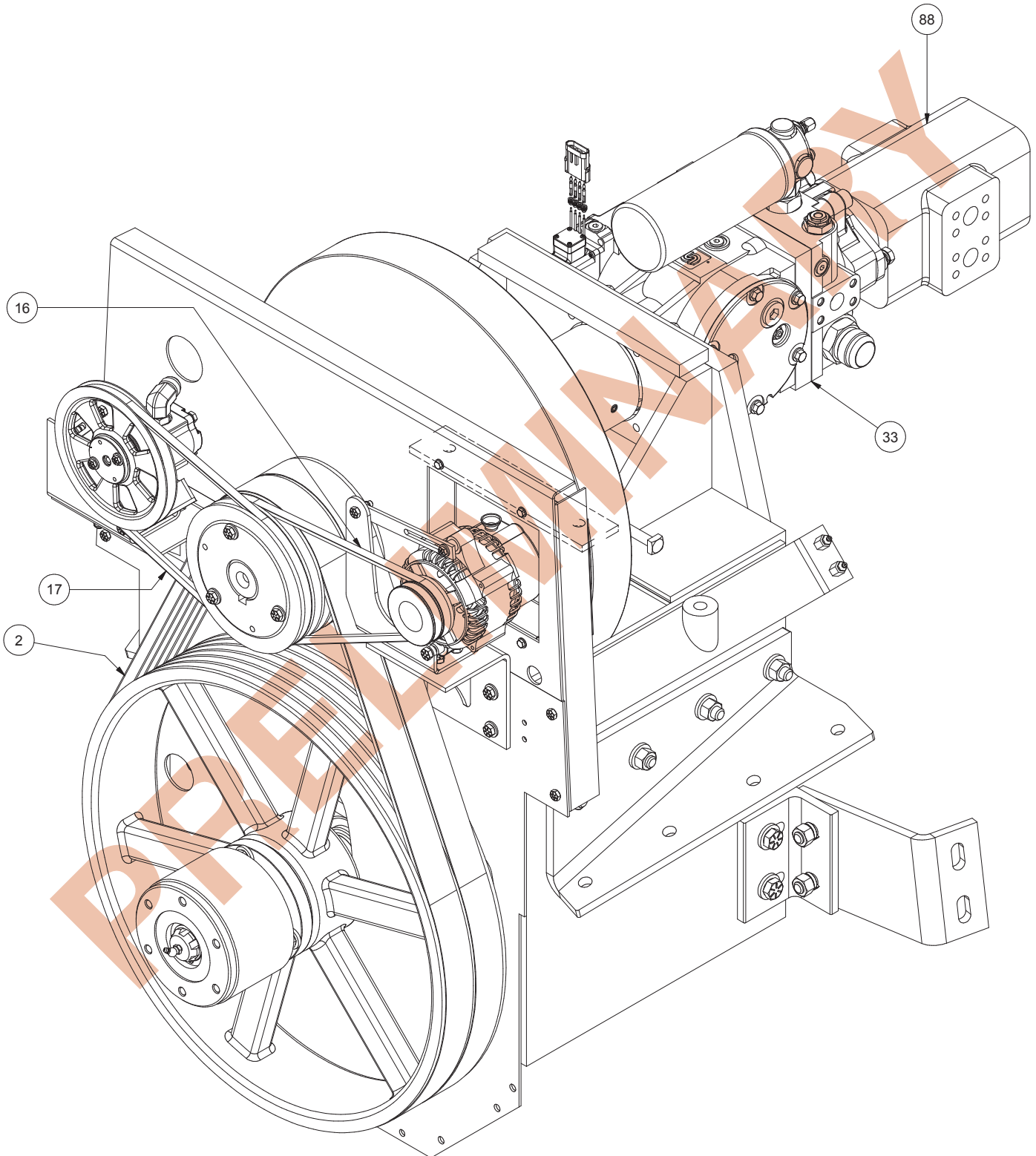
Page 1 of 5

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
904381 Drive Unit Assembly, Mech							
1	257711	1	. Pump, Tension	53	Y17C-1032	12	. Capscrew
2	259018	2	. Belt, Drive	54	Y17C-1036	8	. Capscrew
3	FLW0023253	1	. Flywheel Assembly, Balanced	55	Y17C-1044	4	. Capscrew
4	* 905547	1	. Drive Shaft Assembly (Page 45)	56	Y22E-08	6	. Washer
5	905416	1	. Bracket	57	Y22E-10	17	. Washer
6	BKT0216261	1	. Bracket,RH	58	Y22E-12	3	. Washer
7	BKT0216260	1	. Bracket,LH	59	00271283	3	. Fitting, Lube
8	ALT1002116	1	. Alternator	60	ZZ00000451	1	. Key
9	BKT0015770	1	. Bracket	61	00274551	4	. Nut, Serrated
10	BKT0023414	1	. Bracket	62	16001W	2	. Fitting - Lube, Threaded
11	BKT0023423	1	. Bracket	63	200454W	4	. Capscrew
12	BKT0025876	2	. Bracket	64	213917	1	. Fitting
15	BLK0015661	2	. Block	65	221711W	4	. Hex Nut
16	BLT0000038	1	. Alternator Cog Belt	66	221499W	6	. Capscrew
17	BLT0000042	1	. Cog Belt-Mechanical Drive Unit	67	221659W	4	. Capscrew
18	BRG2187500	2	. Heavy 2-Bolt Pillow Block Brg	68	221763W	2	. Washer
19	BSH0005625	1	. Bushing	69	221767W	16	. Washer
20	BSH0021617	1	. Bushing	70	221771W	6	. Washer
21	BSH0121875	1	. Bushing, Split Taper	71	221775W	24	. Washer
22	BSH0221875	1	. Bushing	72	221777W	6	. Washer
23	* CLH0388110	1	. Clutch, Friction (Page 47)	73	224298	1	. Fitting
24	CPL0018917	1	. Hub, Front	74	229952	22	. Hex Nut
25	CPL0021616	1	. Hub, Rear	75	232939	6	. Nut, Esna
26	DPT0018751	1	. Plate, Adapter	76	R13801791	4	. Capscrew
27	FRM0023252	1	. Frame	77	R13802914	7	. Hard Washer
28	HSG0026245	1	. Plate, Housing	78	R13810993	1	. Capscrew
29	MNT0018742	1	. Mount	79	R13811014	1	. Capscrew
30	MNT0023278	1	. Takeup	80	R13811015	2	. Capscrew
31	MNT0023288	1	. Bracket	81	R13811046	1	. Capscrew
32	MNT0023468	1	. Mount	82	R13811189	1	. Locknut
33	258005	1	. Pump, Piston	83	R13811191	9	. Locknut
34	RNG0149396	2	. Retaining Ring	84	250406	2	. Fitting
35	ROD0015498	2	. Rod	85	ZZ00000105	2	. Hex Zerk
36	SEL0149223	2	. Grease Seal For Item #45	86	258828	1	. Hose Assembly
37	SHD0023440	1	. Plate, Btm	87	258828	1	. Hose Assembly
38	SHD0026246	1	. Shield Weldment	88	PMP3301972	1	. Pump, Dual
39	SHM0015708	2	. Shim	89	221569W	2	. Capscrew
40	SHM0015709	2	. Shim	90	905772	1	. O-Ring
41	SHM0015710	2	. Shim	91	211550	1	. Fitting
42	SHV0000079	1	. Sheave	92	223929	1	. Fitting
43	SHV0000080	1	. Sheave, Gripbelt	93	212097	1	. Fitting
44	SHV0000250	1	. Sheave, Gripbelt	94	R13811013	2	. Capscrew
45	SLV0149918	1	. Sleeve F/Cplate	95	221716W	4	. Hex Nut
46	SMS0000300	4	. Bolt, Whiz	96	R1300690	1	. Ring, Snap
47	SPC0028022	2	. Spacer				
48	SQS5004000	4	. Square Hd Set Screw	* See Separate Coverage			
49	STS3750375	2	. Socket Set Screw				
50	STS4375075	1	. Setscrew				
51	SUP0021636	2	. Bar, Support				
52	Y17C-0616	8	. Capscrew				

Rev D

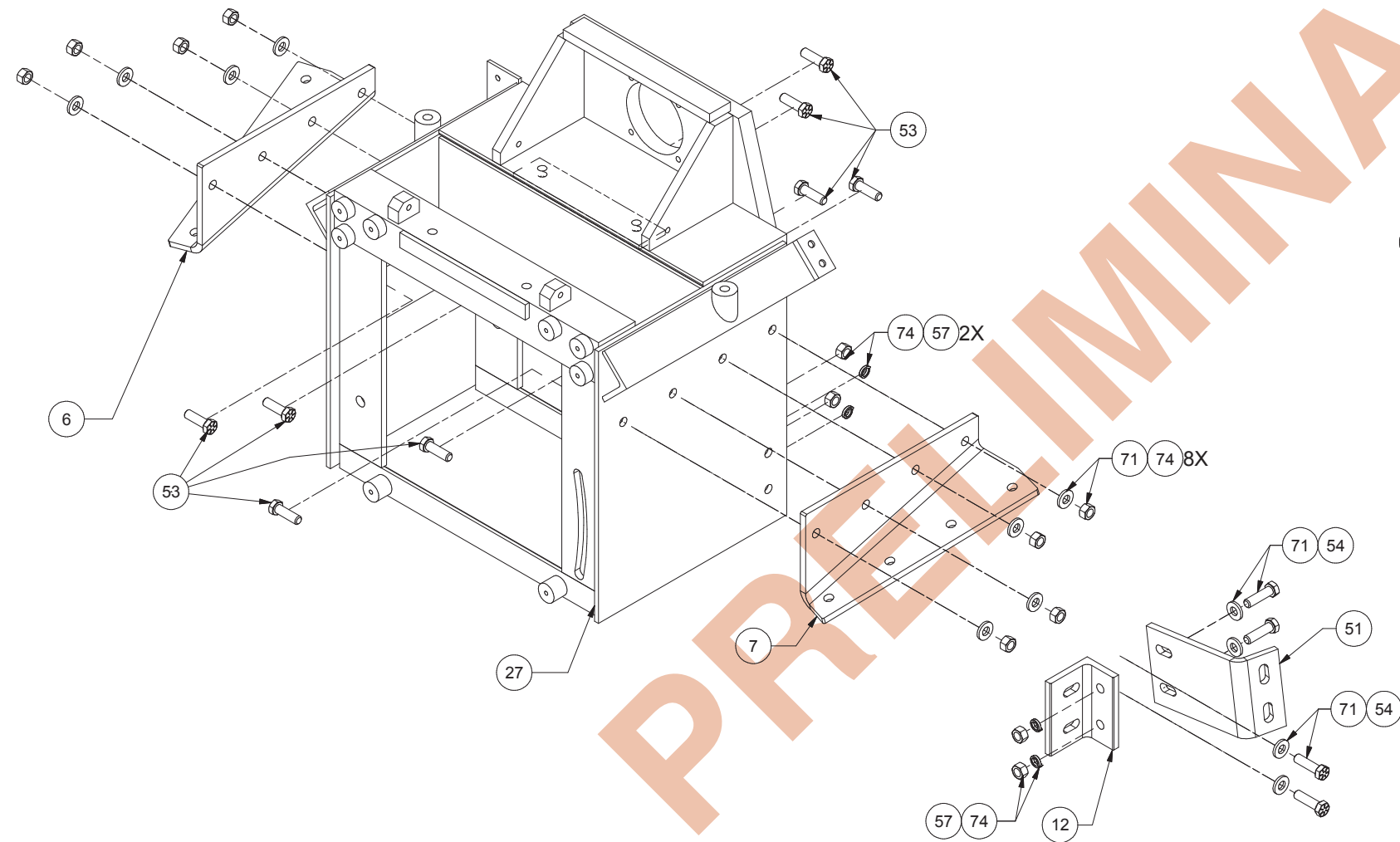
Drive Unit Assembly, Mechanical

Page 2 of 5

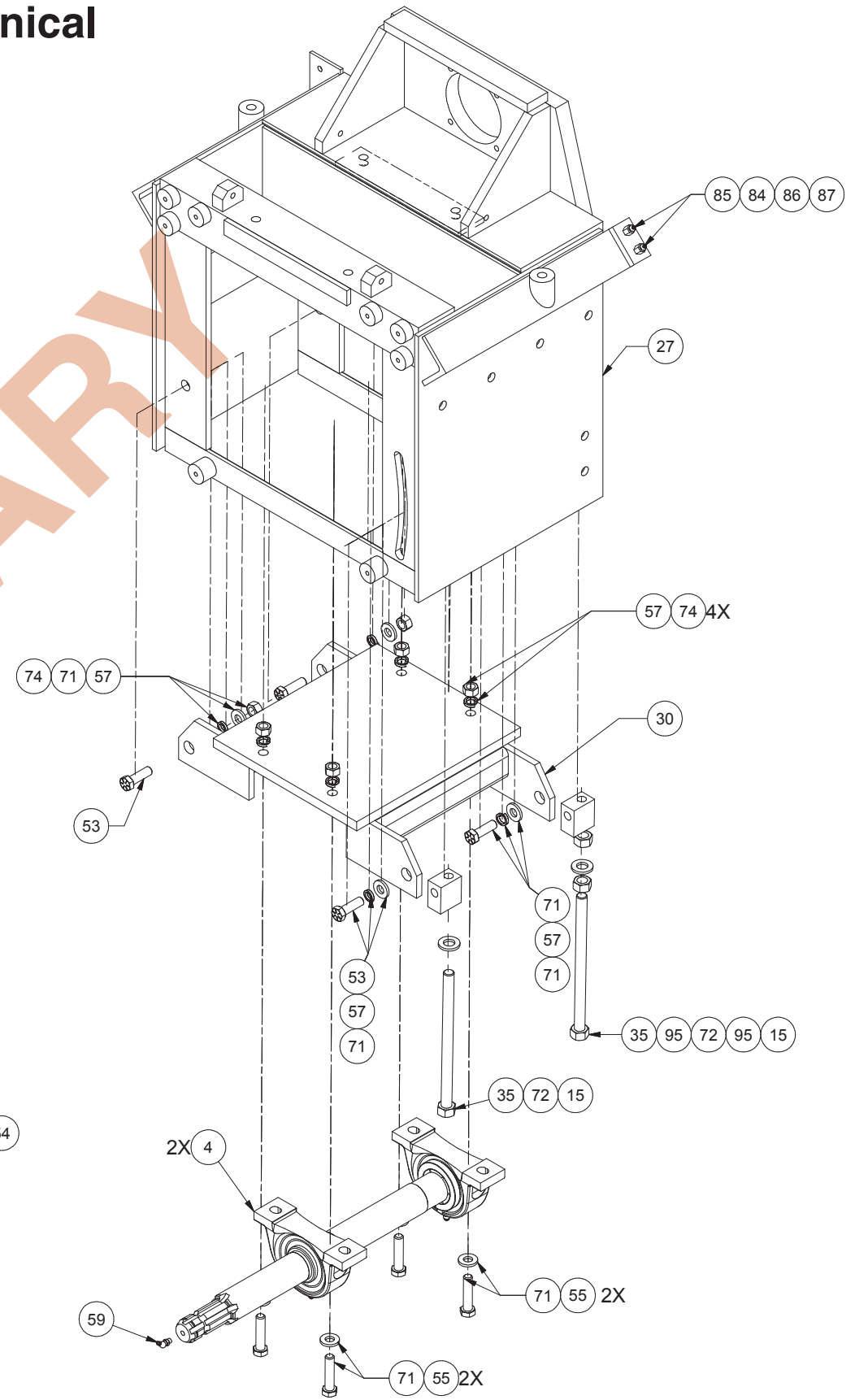


Drive Unit Assembly, Mechanical

Page 3 of 5



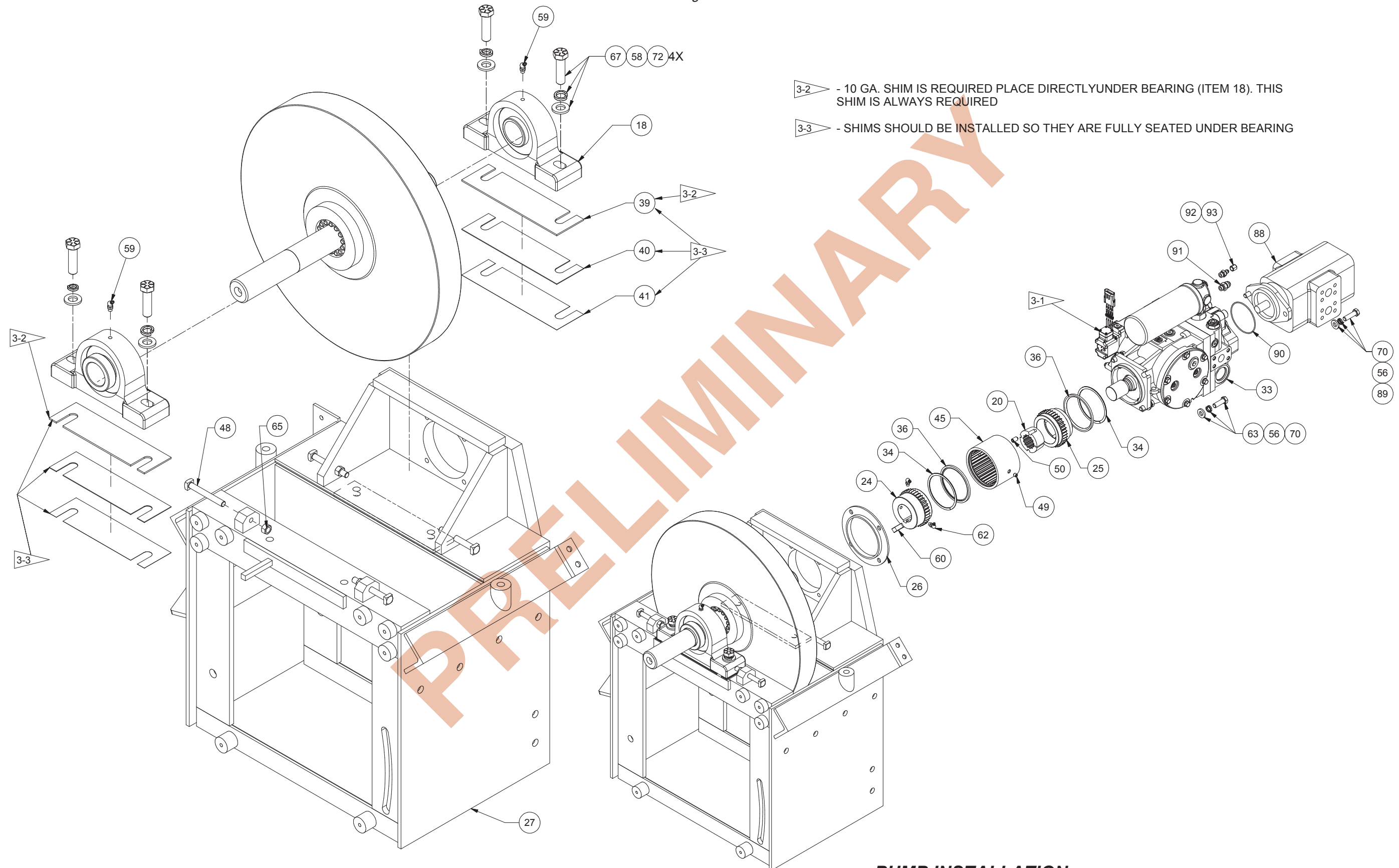
FLYWHEEL FRAME MOUNT & ANCHOR BRACKET INSTALLATION



PRIMARY DRIVE SHAFT INSTALLATION

Drive Unit Assembly, Mechanical

Page 4 of 5



3-2 - 10 GA. SHIM IS REQUIRED PLACE DIRECTLY UNDER BEARING (ITEM 18). THIS SHIM IS ALWAYS REQUIRED

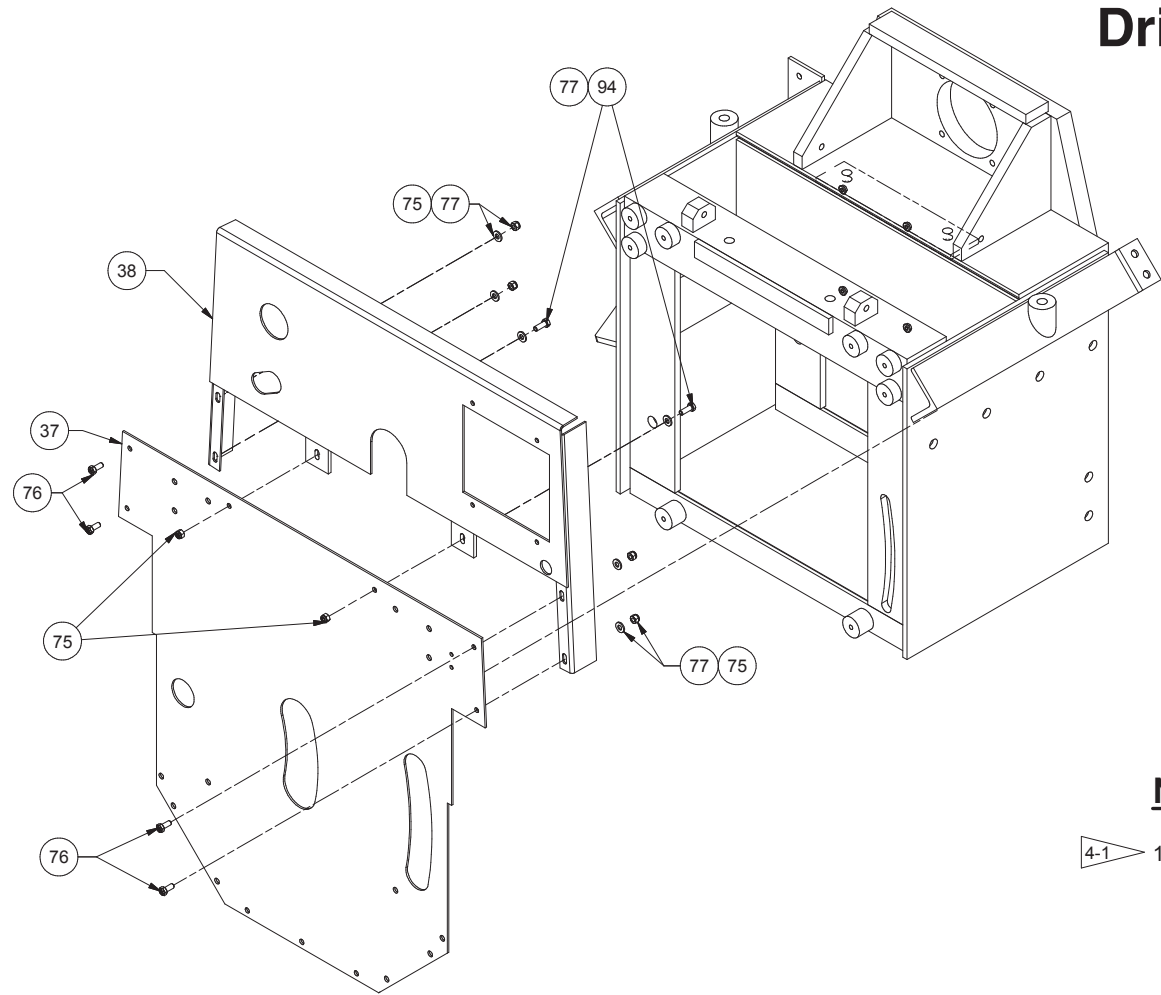
3-3 - SHIMS SHOULD BE INSTALLED SO THEY ARE FULLY SEATED UNDER BEARING

FLYWHEEL INSTALLATION

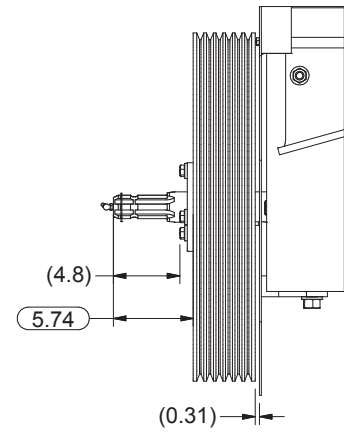
PUMP INSTALLATION

Drive Unit Assembly, Mechanical

Page 5 of 5



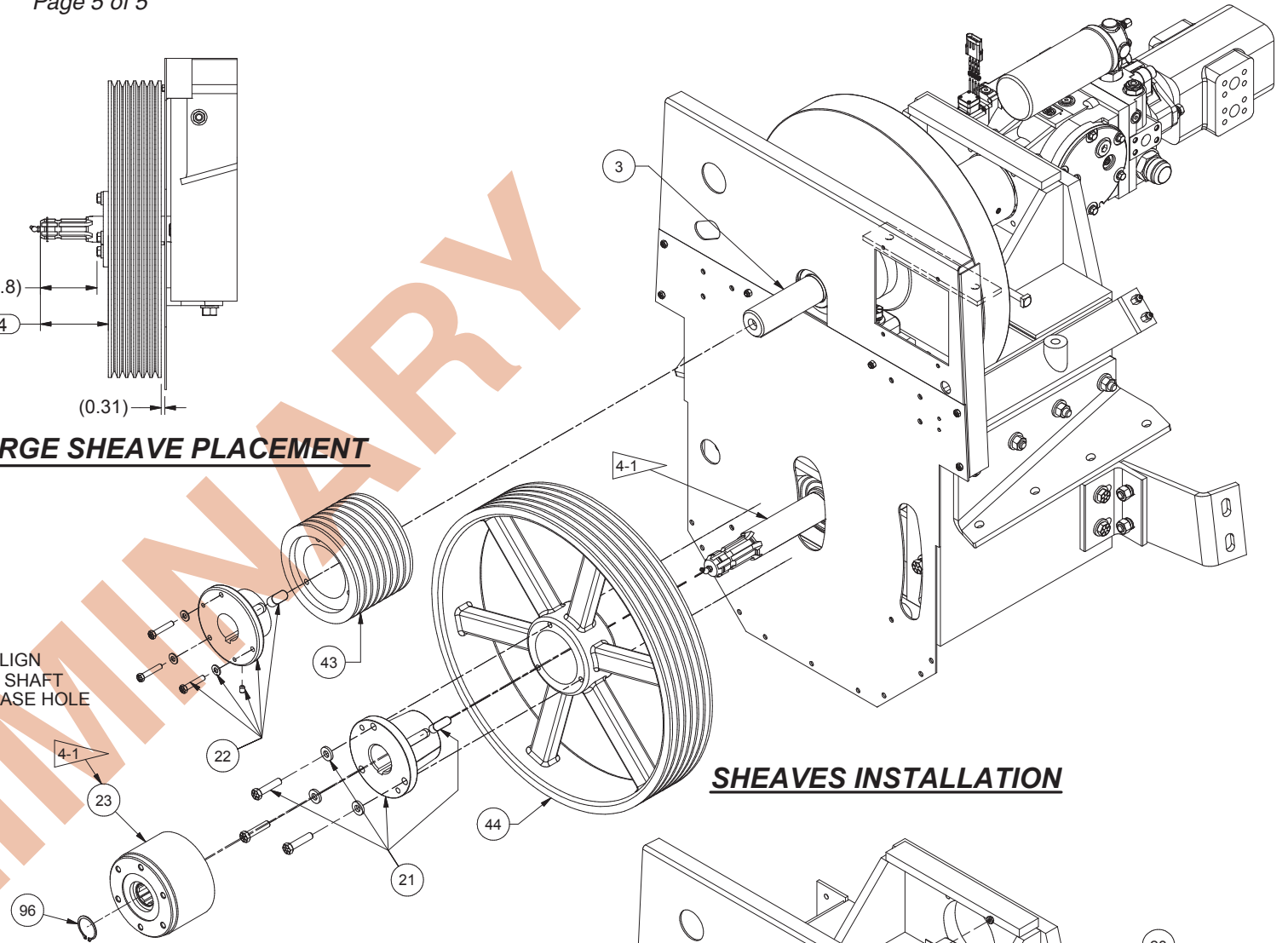
SHIELDS INSTALLATION



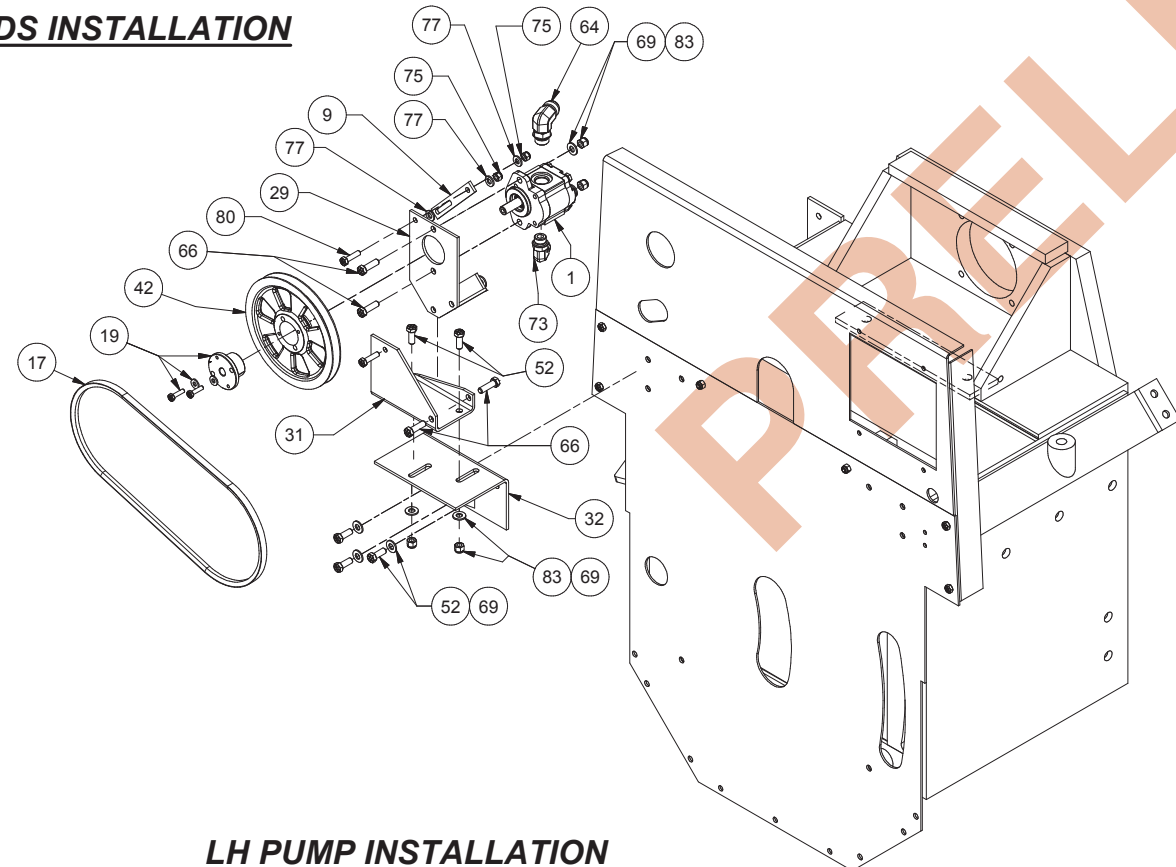
LARGE SHEAVE PLACEMENT

NOTES:

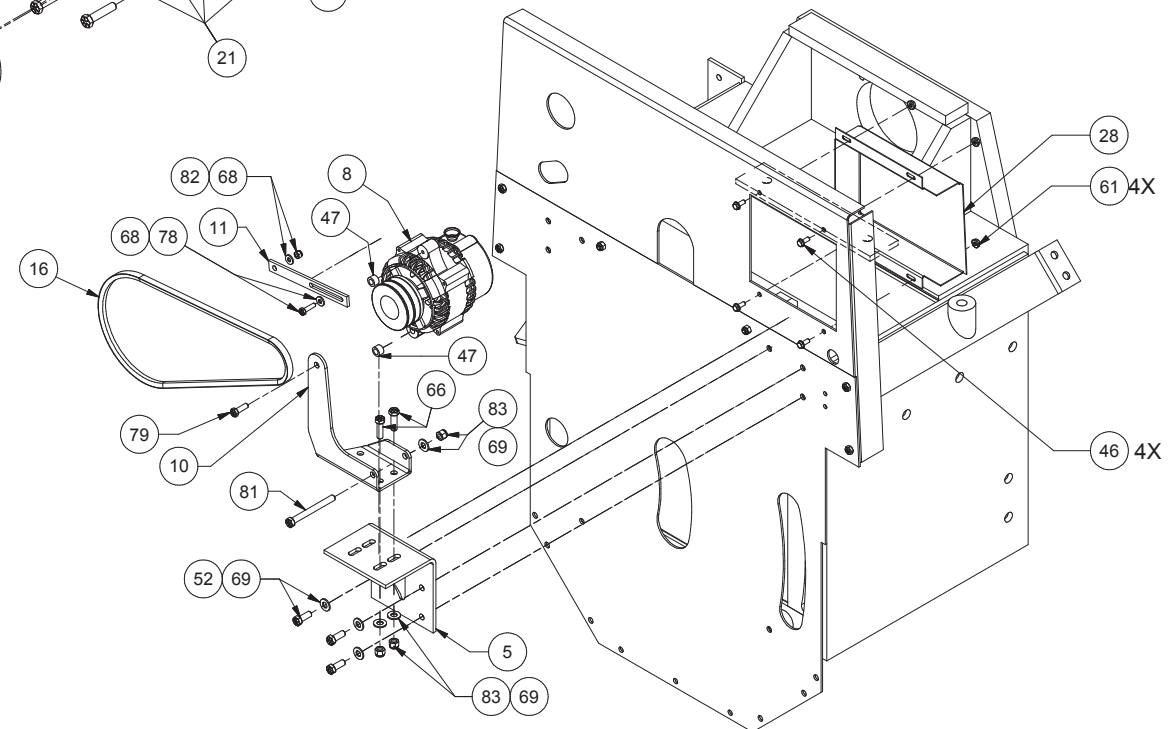
- 4-1 1. INSTALL ITEM 23 TO ALIGN THE GREASE HOLE IN SHAFT ITEM 4 WITH THE GREASE HOLE IN ITEM 23.



SHEAVES INSTALLATION



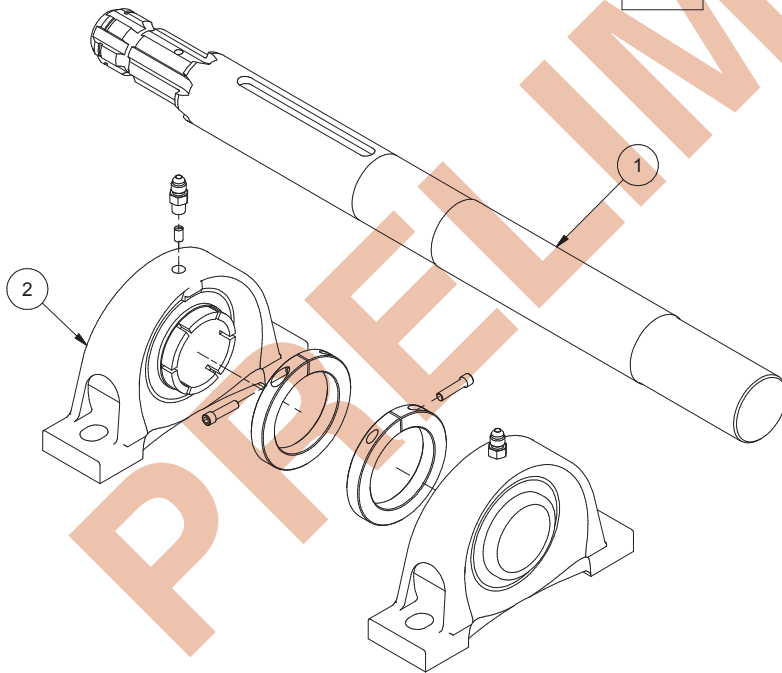
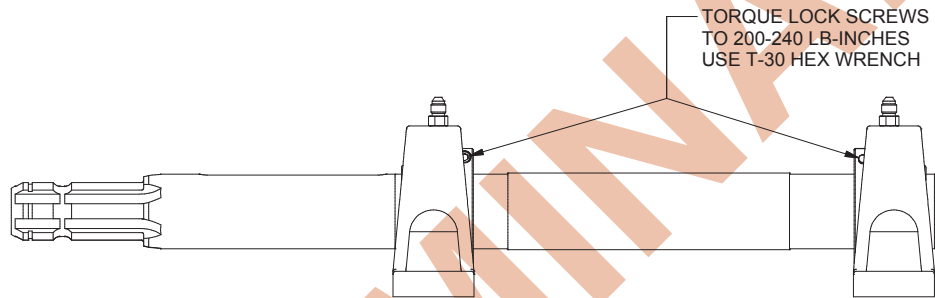
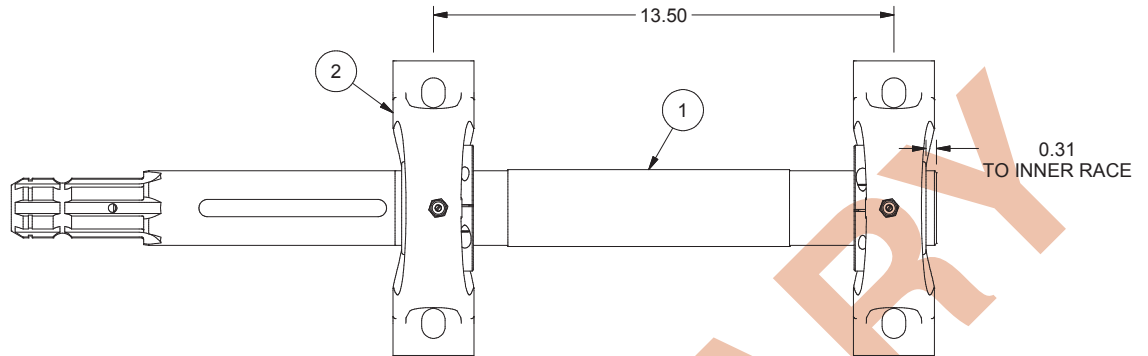
LH PUMP INSTALLATION



ALTERNATOR INSTALLATION

Drive Shaft Assembly

Page 1 of 1



INSTALL BEARINGS ON SHAFT WITH LOCK COLLARS FACING TOWARD EACH OTHER.

MAINTAIN 13.5" SPACING BETWEEN BEARING MOUNTING HOLES.

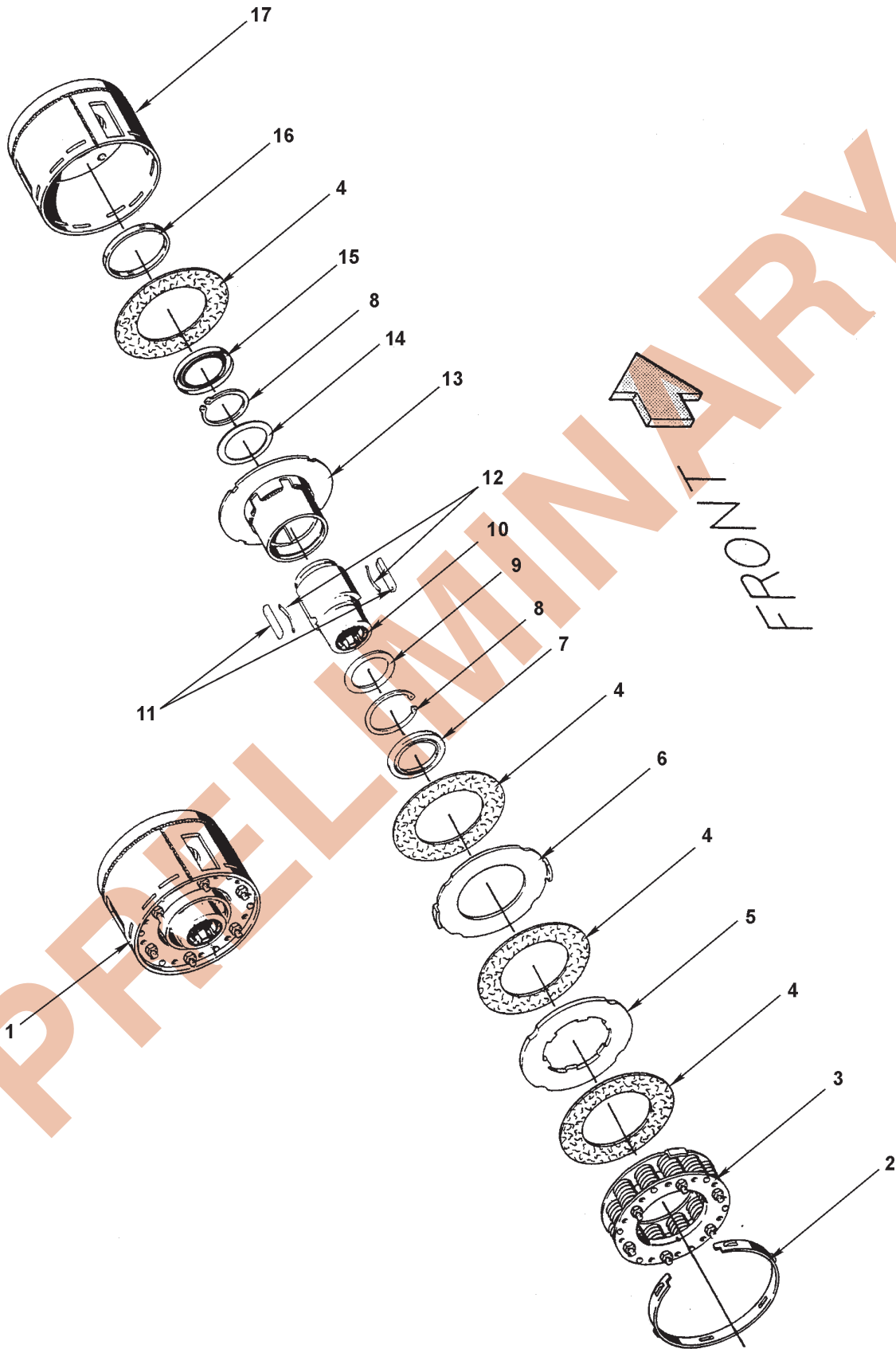
SET REAR BEARING SUCH THAT INNER RACE IS 0.31" FROM END OF SHAFT.

CHECK LOCK COLLARS EVERY 500 HOURS.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905547		Drive Shaft Assembly				
1	SHF0023255	1	. Shaft, Drive				
2	905546	2	. Bearing				

PTO Clutch Assembly

Page 1 of 2



PTO Clutch Assembly

Page 2 of 2

PRELIMINARY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	CLH0388110	1	Torque Limiter Clutch				
2	RNG0367720	1	. Setting Ring	10	DRV0388109	1	. Hub 1-3/4" 6 Spline
3	CLH0377672	1	. Heavy Duty Spring Pack	11	KEY0331737	2	. Key
4	CLH0177009	4	. Friction Disk	12	SPG0332185	2	. Leaf Spring
5	PLT0367725	1	. Drive Plate	13	HSN0177008	1	. Housing & Drive Plate
6	PLT0367726	1	. Drive Plate	14	DSK0353203	1	. Washer
7	RNG0170012	1	. Sealing Ring	15	RNG0175048	1	. Seal Ring
8	RNG0702100	2	. Retaining Ring	16	RNG0367718	1	. Ring
9	DSK0304235	1	. Washer	17	HSN0388108	1	. Clutch Housing

Pickup Installation

Page 1 of 6

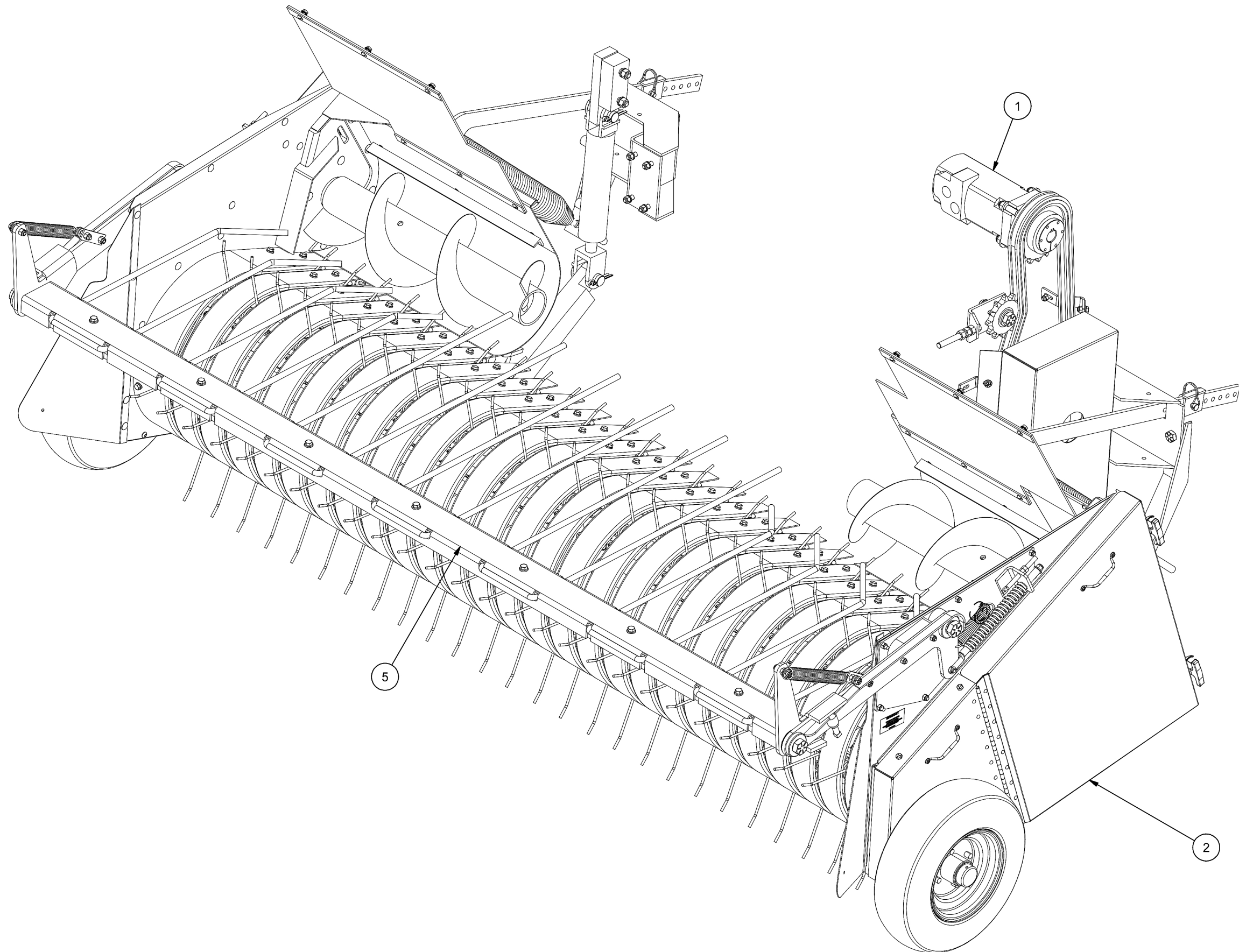
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905662		Pickup Installation				
1	905178	1	. Motor, Feeder	37	R13811195	5	. Locknut
	SEL0061234	1	. . Seal Kit	38	R13811196	1	. Locknut
	SEL0061236	1	. . Seal Kit	39	ROD0017217	1	. Rod
2	* 905332	1	. Assembly, Pickup (Page 55)	40	ROD0025263	2	. P/U Balance Spg Rod F/Extend
3	905543	2	. Spacer	41	223146	12	. Screw, Machine
4	905651	1	. Guard, Pickup Drive	42	SPC0016659	4	. Pipe
5	* 905654	1	. Assembly, Wind Guard (Page 62)	43	SPC0024097	1	. Bar, Mounting
6	ANC0016029	2	. Capscrew	44	SPG0017462	2	. Spring, Pickup Lift
7	ARM0015684	2	. Plate, Arm	45	SPK0080190	1	. Sprocket
8	ARM0027984	1	. Arm, P/U Lift	46	SPK0080360	1	. Sprocket, Pickup & Feed Crank
9	BAR0026169	2	. Bar, Retain	47	SPK011536S	2	. Sprocket, Idler Chain 15T
10	BAR0026170	2	. Bar, Retain	48	SPK0602202	1	. Sprocket, Pickup Drive
11	BKT0015687	2	. Bracket	49	SPK128012S	1	. Sprocket, Roller Chain Idler - 12T
12	BKT0020148	1	. Bracket	50	ZZ00000432	1	. Key
13	BKT0235020	1	. Bracket, LH	51	ZZ00000458	1	. Key
14	BKT0235021	1	. Bracket, RH	52	ZZ00000705	4	. Pin, Roll
15	BKT1616200	1	. L. H. P/U Lift Spring Bracket	53	00106267	4	. Washer, Flat
16	BKT1616201	1	. R. H. P/U Lift Spring Bracket	54	212255	2	. Pin Cotter
17	BLT0026167	2	. Belt, Deflector	55	221499W	8	. Capscrew
18	BSH0020000	1	. P/U Feed Crank Drv Bushing 2"	56	221574W	4	. Capscrew
19	BSHSDS1250	1	. Bushing	57	221616W	2	. Capscrew
20	CHN0006086	1	. Chain	58	221636W	2	. Capscrew
21	CHN0008064	1	. Chain	59	221662W	1	. Capscrew
22	CLV0120045	1	. Pin, Clevis	60	221707W	8	. Hex Nut
23	Y01F-0420	1	. Pin, Cotter	61	221711W	6	. Hex Nut
24	CRB3130750	10	. Bolt, Carr	62	221771W	4	. Washer
25	CRB3131000	4	. Bolt, Carr	63	221775W	5	. Washer
26	CYL0000205	1	. Assembly, Cylinder	64	221777W	5	. Washer
	SEL0001505	1	. . Seal Kit	65	229952	6	. Hex Nut
27	HYP000FA2P	2	. Pin, Clevis	66	R13811190	19	. Locknut
28	MNT0024096	1	. Bar, Mounting	67	R13812514	8	. Lockwasher
29	PIN0015507	2	. Plate, Pivot Pin	68	234665	2	. Lockwasher
30	PIN0375125	2	. Pin, Snapper	69	264150W	12	. Nut
31	R13801791	2	. Capscrew	70	905652	1	. Bracket, Drive Guard
32	R13802914	5	. Hard Washer	71	905653	1	. Bracket, Drive Guard
33	R13809066	4	. Lockwasher				
34	R13811014	3	. Capscrew				
35	R13811083	2	. Capscrew				
36	R13811193	4	. Locknut				

* See Separate Pages

Rev A

Pickup Installation

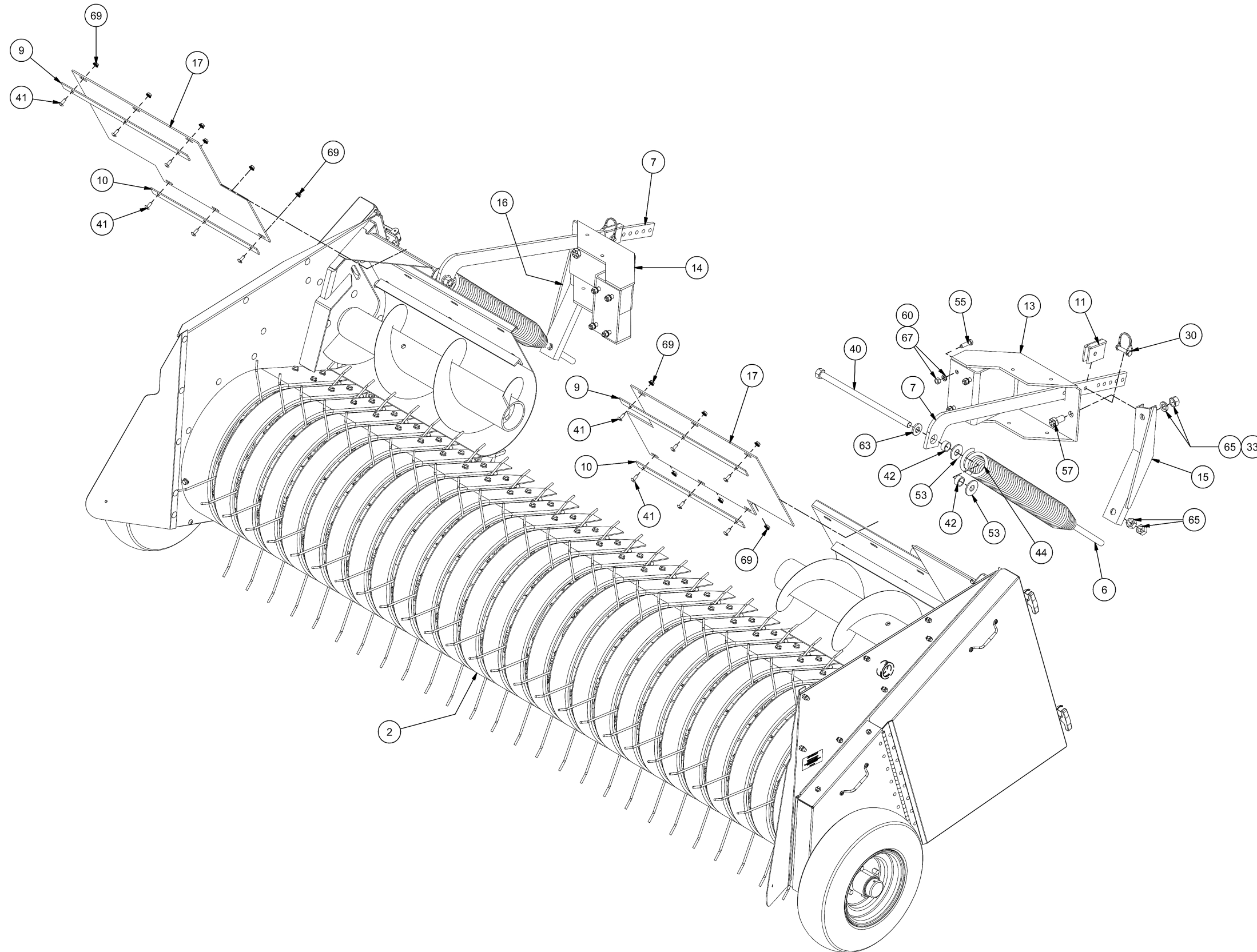
Page 2 of 6



PRELIMINARY

Pickup Installation

Page 3 of 6

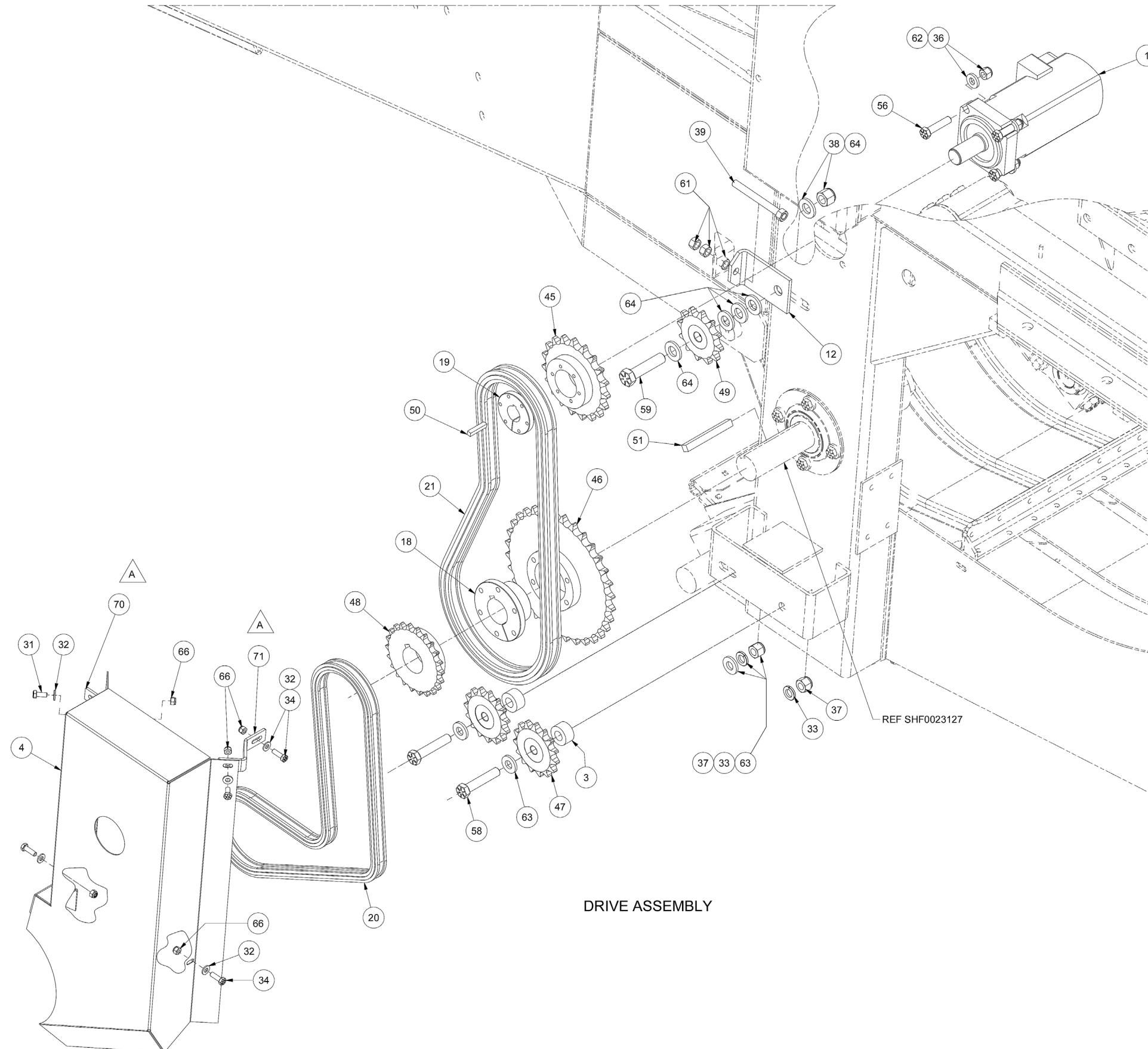


MOUNT ASSEMBLY

PRELIMINARY

Pickup Installation

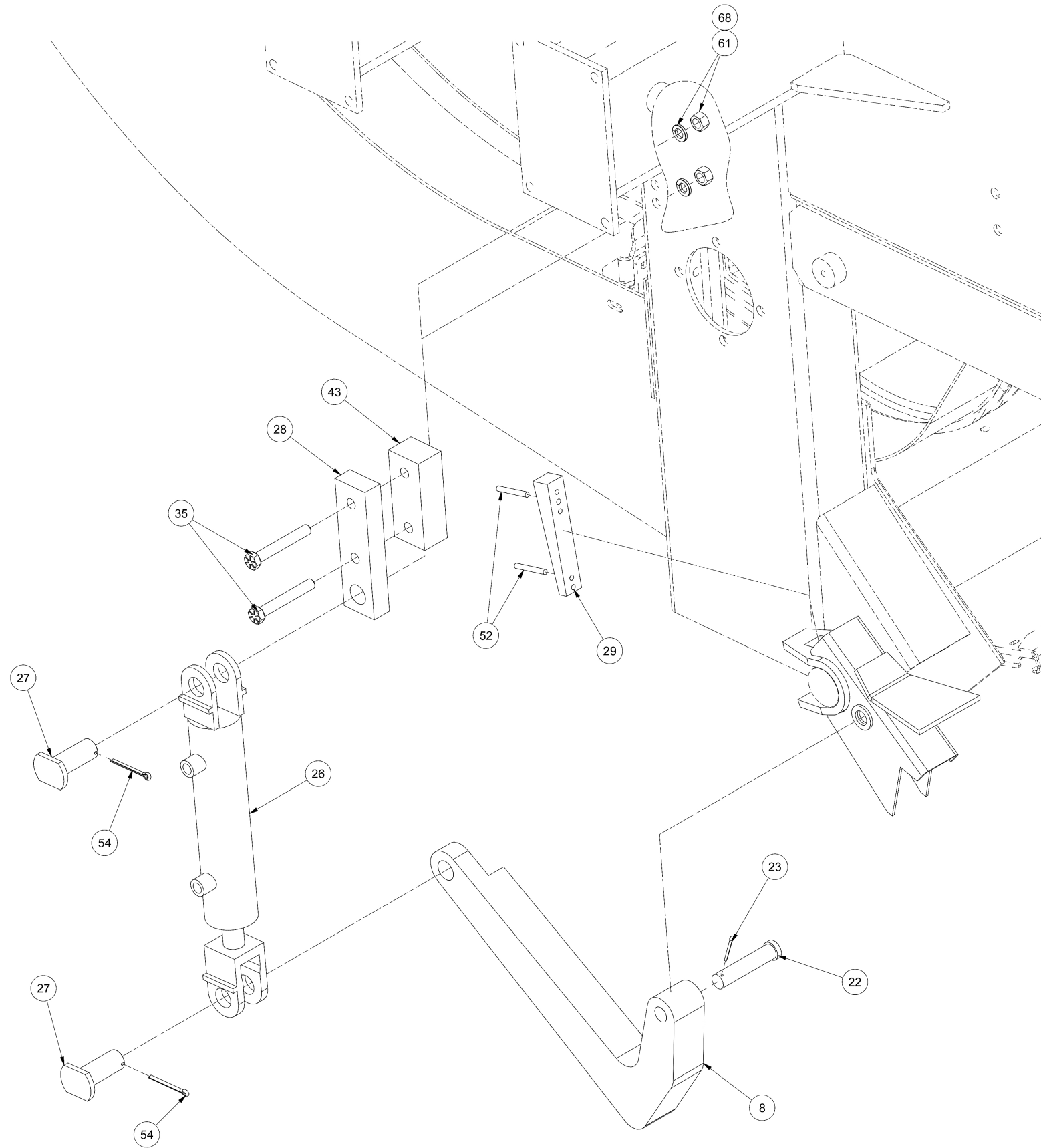
Page 4 of 6



PRELIMINARY

Pickup Installation

Page 5 of 6

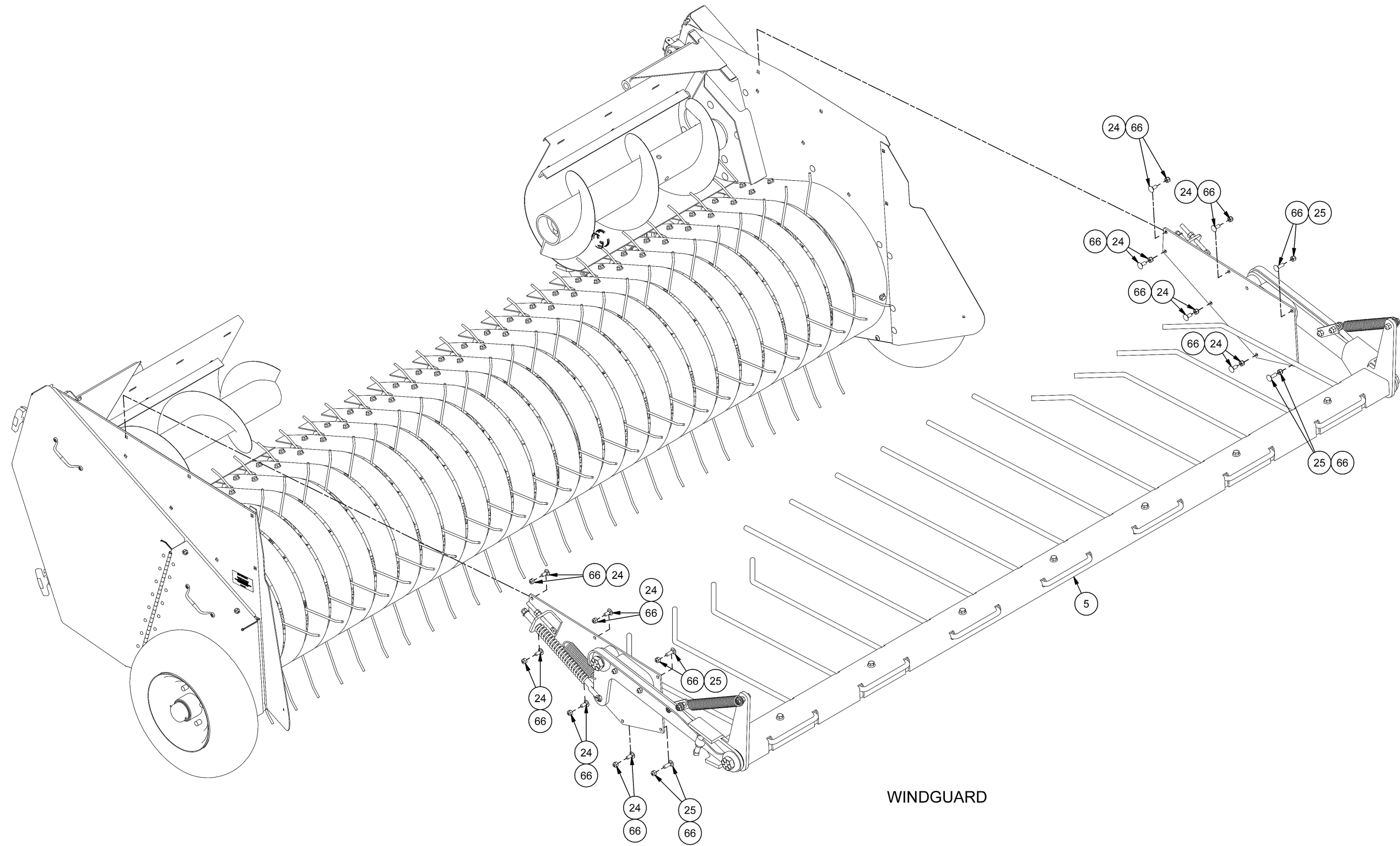


HYDRAULIC LIFT

PRELIMINARY

Pickup Installation

Page 6 of 6



PRELIMINARY

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PRELIMINARY

Pickup Assembly

Page 1 of 6

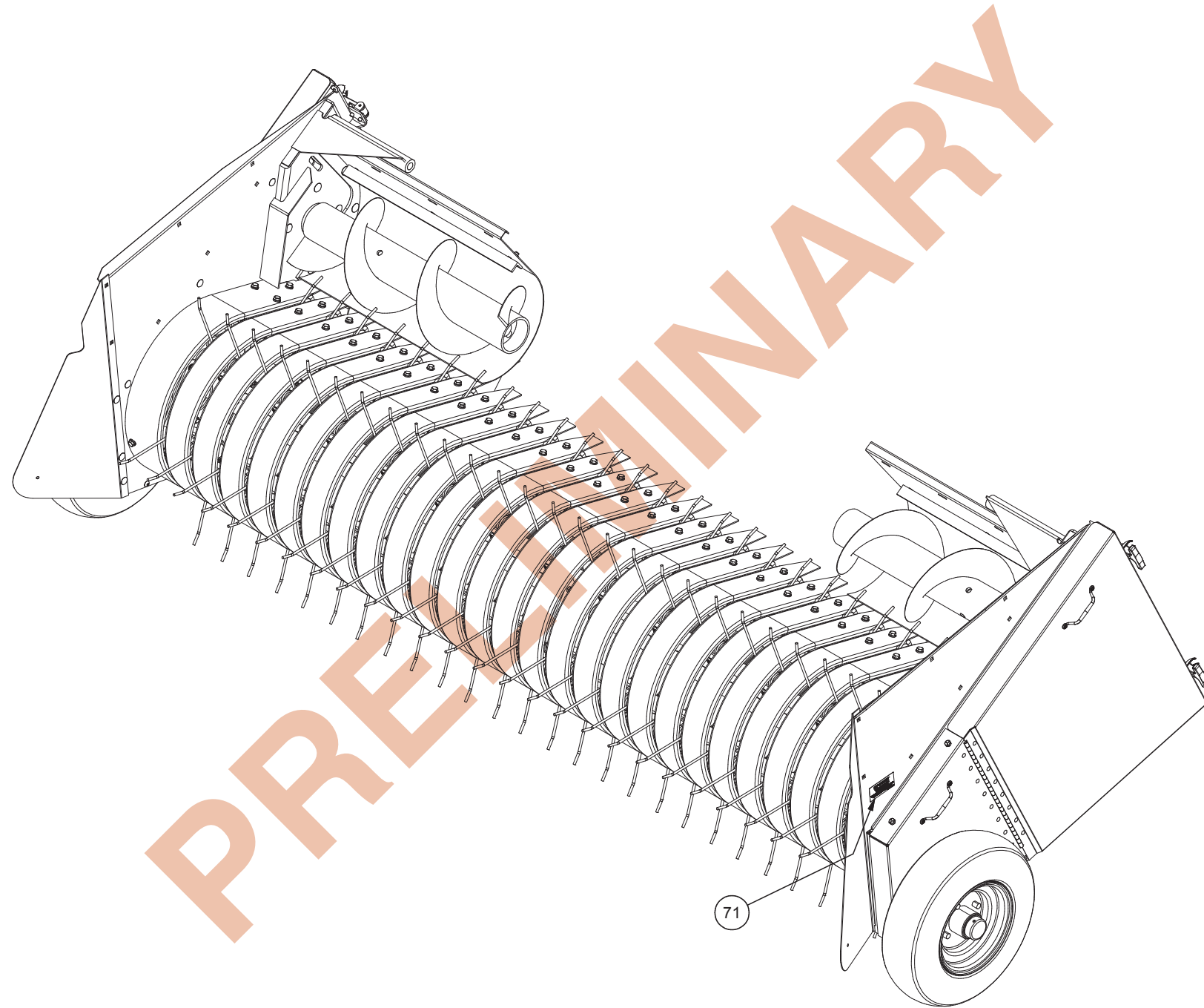
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905332		Pickup Assembly				
1	180959W	2	. Capscrew	64	F000001791	2	. Pin, Clutch
2	219924	2	. Nut, Esna	65	F000001793	2	. Disc, Friction
3	221518W	6	. Capscrew	66	F000001797	6	. Clutch Plate, Compression Spring
4	221563W	2	. Capscrew	67	F000007904	3	. Key
5	221569W	5	. Capscrew	68	F000008011	4	. Cup, Bearing
6	221705W	33	. Hex Nut	69	F000008380	2	. Bearing, Spherical Insert
7	221707W	45	. Hex Nut	70	F000008383	4	. Flangette, No Zerk
8	221711W	6	. Hex Nut	71	FD00023951	2	. Decal, Lug Nut
10	221767W	12	. Washer	72	HSN0017505	10	. Housing, Bearing
11	221775W	5	. Washer	73	HSN0027989	2	. Housing, Bearing
12	223427	6	. Washer, Flat	74	HUB0000348	2	. Assembly, Hub
13	R13812514	45	. Lockwasher	75	LAT0000201	4	. Latch, Flex T-Handle
14	234218	6	. Nut, Jam	76	LEV0023055	5	. Tooth Bar Cam Lever
15	234665	6	. Lockwasher	77	MNT0013456	65	. Plate, Mounting
16	253391	3	. Sprocket, Idler	78	PCY0013464	65	. Finger, Pickup
17	256890	1	. U-Bolt	79	PCY0017501	2	. Plate, Center & LH Reel
18	900400	2	. Scraper	80	PCY0023053	1	. Plate, RH Pickup Reel
19	901659	3	. Tube	81	R13800168	4	. Capscrew
20	903457	1	. Bracket	82	R13801791	21	. Capscrew
21	904281	1	. Plate, Target	83	R13810998	10	. Capscrew
22	905333	1	. Frame, Pickup	84	R13811039	5	. Capscrew
23	905584	1	. Plate, RH Stripper	85	R13811040	65	. Capscrew
24	905585	1	. Plate, LH Stripper	86	R13811082	4	. Capscrew
25	905586	25	. Plate, Center Stripper	87	905717	1	. Capscrew
26	905598	5	. Pipe, Tooth Basr	88	R13811135	1	. Capscrew
27	905638	1	. Shield, LH Lower	89	R13811189	12	. Locknut
28	905639	1	. Shield, RH Lower	90	R13811191	84	. Locknut
29	905658	1	. Trough, LH	91	R13811195	3	. Locknut
30	905660	1	. Trough, RH	92	R13811433	5	. Washer, Hard
31	905670	1	. Plate, LH Fender	93	R13812513	33	. Lockwasher
32	905671	1	. Plate, RH Fender	94	RIV0000108	8	. Rivet, Pop
33	905683	1	. Assembly, LH Shield	95	RIV0000604	4	. Rivet
34	905695	1	. Plate, LH Lower	96	RIV0000606	8	. Rivet
35	905705	1	. Attachment, LH Guard	97	SHF0025191	1	. Shaft
36	905707	1	. Block, Adjust	98	SHF0025234	1	. Shaft, Pickup Drive
37	905712	1	. Assembly, RH Shield	99	SMS0000198	113	. Bolt, Whiz
38	905714	1	. Plate, Lower RH	100	SPK0000536	1	. Sprocket, Pickup
39	905719	1	. Bolt, Carr	101	SPK0000554	1	. Sprocket, Pickup
40	905721	1	. Attachment, RH Guard	102	SPK0005023	1	. Sprocket, Pickup Auger
41	905745	1	. Pipe	103	SPK0005035	1	. Sprocket, Pickup Auger
42	ANC0023506	1	. Plate, Anchor	104	SPK0005041	1	. Sprocket, Pickup -Taper Lock
43	AUG0025183	1	. LH Auger	105	SPK0017769	1	. Assembly, Sprocket
44	AUG0025184	1	. RH Auger	106	SQS4375875	9	. Set Screw
45	BRG0000063	4	. Flangette	107	SUP1763500	1	. Plate, LH Support
46	BRG0000103	2	. Insert, Bearing	108	SUP1763501	1	. Plate, RH Support
47	BRG0001101	5	. Bearing	109	WAS0015783	9	. Bushing, Mach
48	BRG0002029	5	. Bearing	110	WHL0401530	2	. Assembly, Wheel & Tire
49	BRG0017508	10	. Bearing, Nylon Tooth Bar	111	Y09G-0620	2	. Capscrew
50	BRG0067000	4	. Bearing	112	Y25G-0512	4	. Capscrew
51	BSH0001021	2	. Bushing	113	ZZ00000406	4	. Key
52	BSH0006231	5	. Bushing	114	ZZ00000438	2	. Key
53	BSH1252012	1	. Bushing	115	ZZ00000715	5	. Pin, Roll
54	CAM0017414	1	. Cam, Pickup Reel	116	SPN0017647	2	. Spindle, Wheel
55	904192	1	. Chain	117	NFC0010000	2	. Nut, Castle
56	906151	1	. Chain	118	Y01F-0432	2	. Pin, Cotter
57	CLH0017767	1	. Clutch, Pickup Drive	119	ZZ00000228	1	. Bushing, Mach
58	CLH0017773	1	. Adapter	120	221642W	1	. Capscrew
59	CLH0017849	1	. Plate, Disc				
60	CRB3130750	12	. Bolt, Carr				
61	CRB3751000	24	. Bolt, Carr				
62	CRB3752000	19	. Bolt, Carr				
63	F000001790	2	. Compression Spring, PTO Clutch				

* See Separate Pages

Rev A

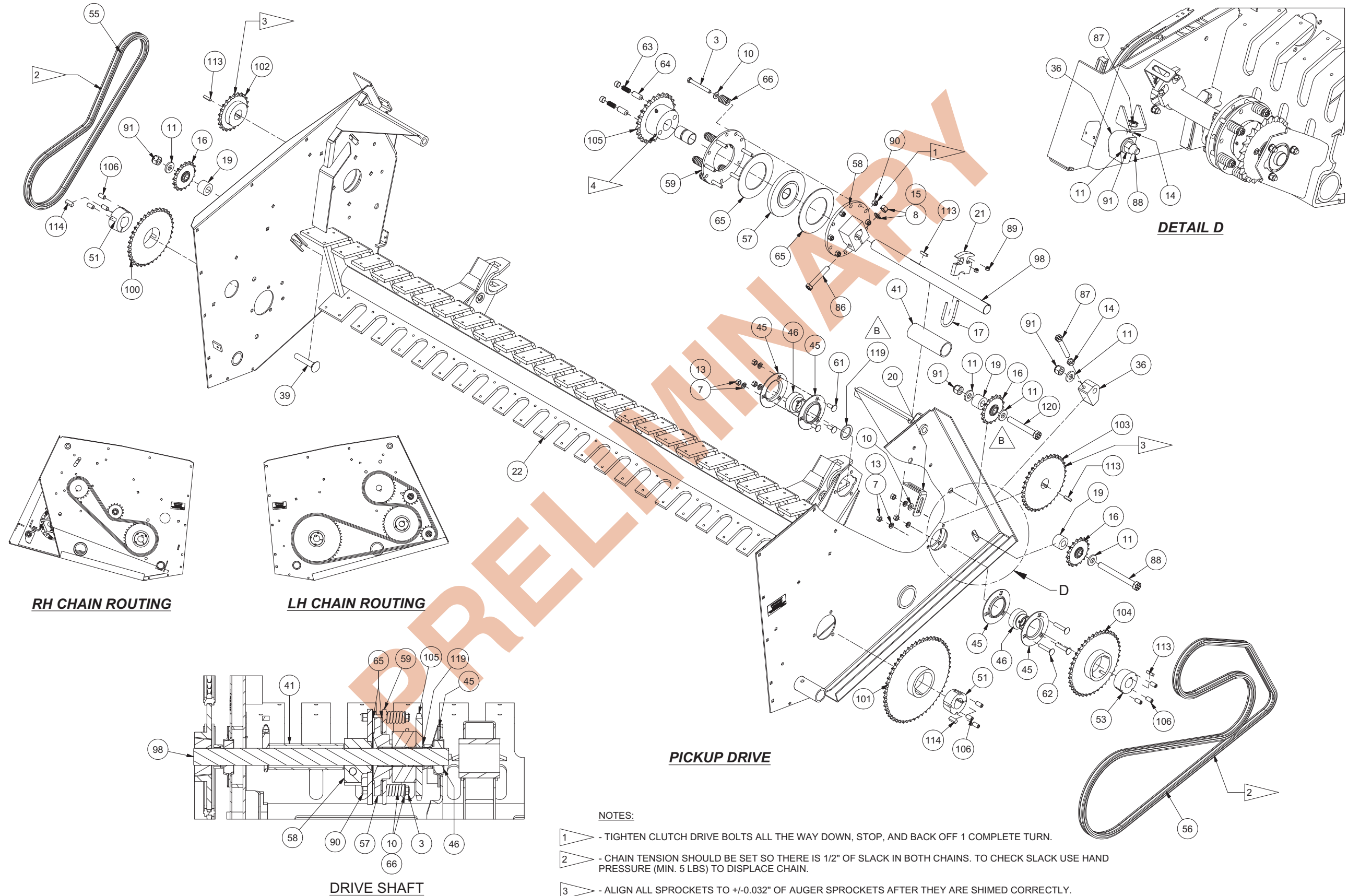
Pickup Assembly

Page 2 of 6



Pickup Assembly

Page 3 of 6

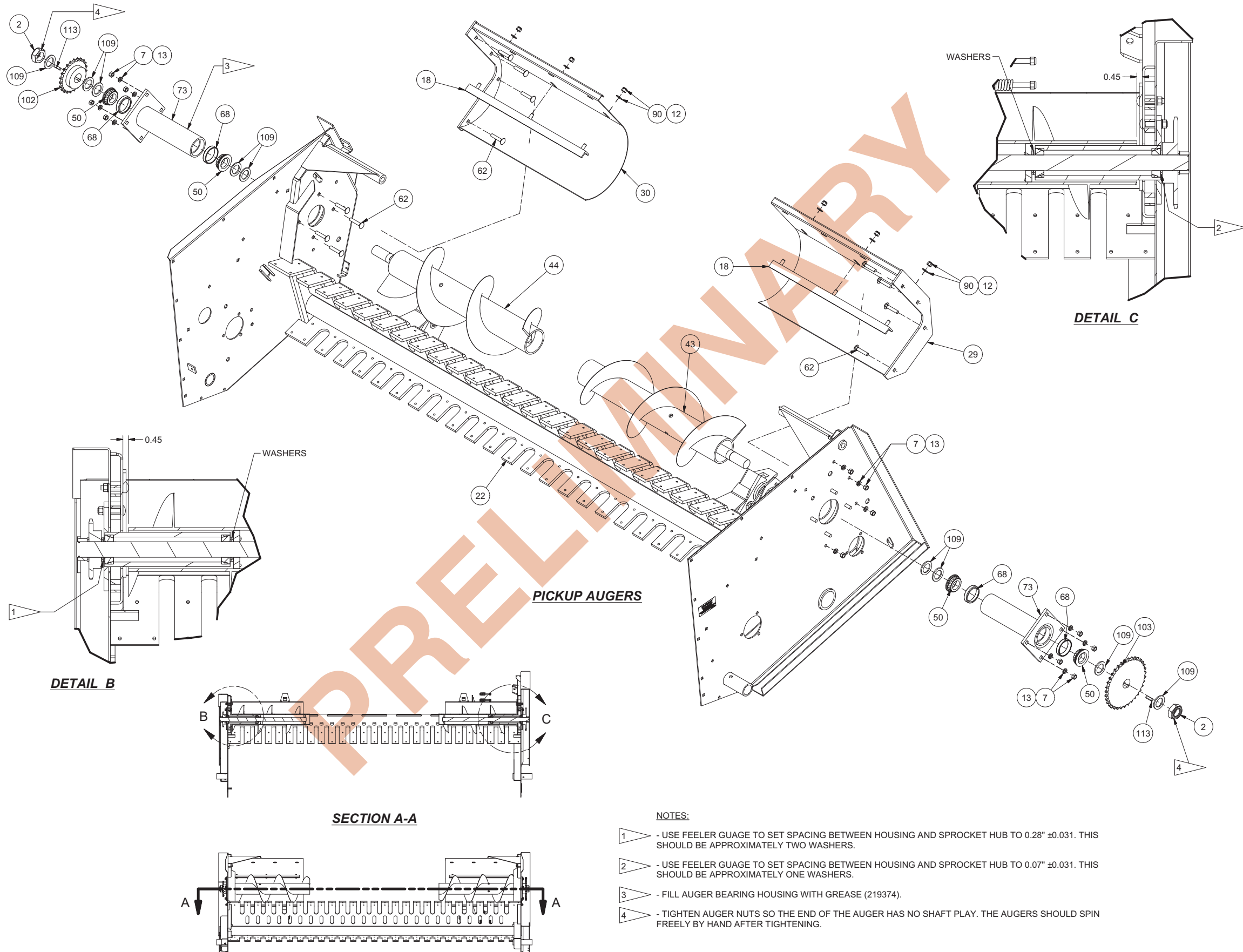


NOTES:

- 1 - TIGHTEN CLUTCH DRIVE BOLTS ALL THE WAY DOWN, STOP, AND BACK OFF 1 COMPLETE TURN.
- 2 - CHAIN TENSION SHOULD BE SET SO THERE IS 1/2" OF SLACK IN BOTH CHAINS. TO CHECK SLACK USE HAND PRESSURE (MIN. 5 LBS) TO DISPLACE CHAIN.
- 3 - ALIGN ALL SPROCKETS TO +/-0.032" OF AUGER SPROCKETS AFTER THEY ARE SHIMED CORRECTLY.
- 4 - OIL BALL OILERS (SAE 30 SE, SF, OR CD MOTOR OIL)

Pickup Assembly

Page 4 of 6

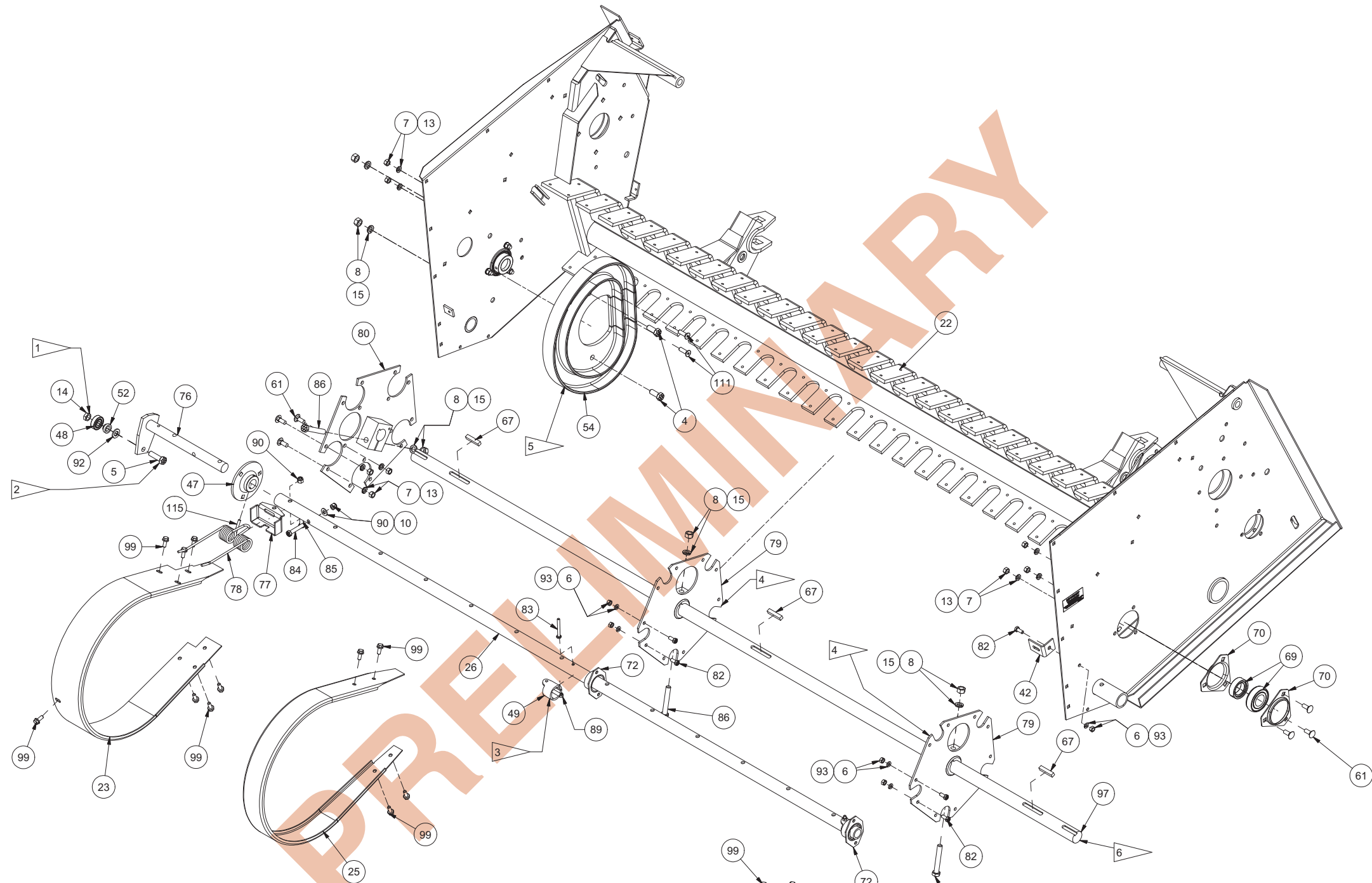


NOTES:

- 1 - USE FEELER GAUGE TO SET SPACING BETWEEN HOUSING AND SPROCKET HUB TO 0.28" ±0.031. THIS SHOULD BE APPROXIMATELY TWO WASHERS.
- 2 - USE FEELER GAUGE TO SET SPACING BETWEEN HOUSING AND SPROCKET HUB TO 0.07" ±0.031. THIS SHOULD BE APPROXIMATELY ONE WASHERS.
- 3 - FILL AUGER BEARING HOUSING WITH GREASE (219374).
- 4 - TIGHTEN AUGER NUTS SO THE END OF THE AUGER HAS NO SHAFT PLAY. THE AUGERS SHOULD SPIN FREELY BY HAND AFTER TIGHTENING.

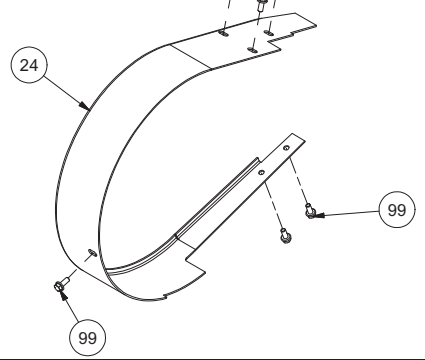
Pickup Assembly

Page 5 of 6



NOTES:

- 1 - USE LOCTITE 272 WHEN NUT IS INSTALLED
- 2 - THE TIP OF THE BOLT SHOULD BE 1/8" TO 3/16" FROM INSIDE OF THE CAM SURFACE. THE CAM ROLLER SHOULD SIT FLUSH OR INSET WITH THE OUTSIDE SURFACE OF CAM THROUGH ENTIRE ROTATION OF REEL.
- 3 - NYLON BEARING SHOULD BE ORIENTATED WITH THE SLOT FACING INWARD TOWARD THE DRIVE SHAFT OF THE REEL ASSEMBLY.
- 4 - REEL CENTER AND LEFT PLATES ARE TO BE POSITION WITH THE SO THAT THE NYLON TOOTH BAR BEARINGS ARE INSET 1/16" TO 3/32" INSIDE OF THE BEARING HOUSING.
- 5 - THE PICKUP CAM SHOULD BE INSTALLED WITH THE SMALLER PIECE BEING FLUSH ON THE INSIDE OF THE OUTSIDE FLANGE. THE GAPS BETWEEN THE TWO PIECES SHOULD BE EVEN.
- 6 - SHAFT CENTER KEYWAY SHOULD BE OFFSET SO THAT IT IS CLOSER TO THE LEFT HAND SIDE OF THE PICKUP. (OPPISITE OF THE CAM)



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PRELIMINARY

Wind Guard Assembly

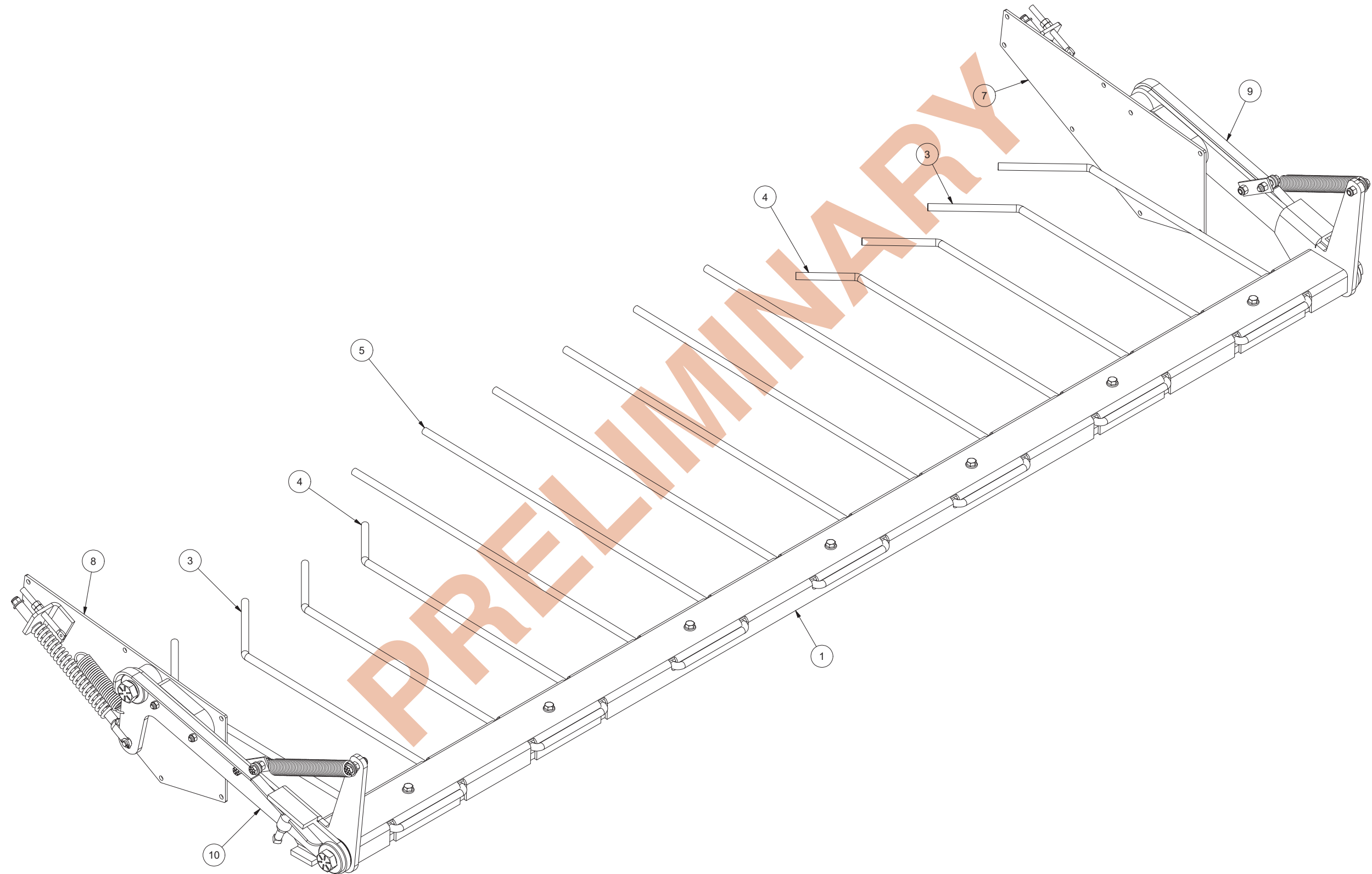
Page 1 of 3

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905654		Windguard Assembly				
1	905318	1	. Holder, Rod	20	R13812519	2	. Lockwasher
2	905320	7	. Plate, Retain	21	ROD0025329	2	. P/U Mnt Windgrd Spg Adjust Rod
3	905321	2	. Windguard, Outside	22	SMS0000180	7	. Bolt, Whiz
4	905322	2	. Windguard, Intermediate	23	SPC0025340	2	. Spacer
5	905323	3	. Windguard, Center	24	SPG0010555	2	. Spring, Brake Actuating Cylinder
6	905568	4	. Bushing	25	SPG0025309	2	. Spring, Windguard Overtravel
7	905572	1	. Mounting, LH	26	SQS5003000	2	. Set Screw
8	905597	1	. Mounting, RH	27	Y09G-0524	4	. Capscrew
9	905827	1	. Windguard, LH	28	Y17C-0616	2	. Capscrew
10	905828	1	. Lever Arm, RH	29	Y17C-0624	4	. Capscrew
11	905835	2	. Wear Block	30	00103385	2	. Pin Cotter
12	F000001517	2	. Spring, Trip	31	00104038	2	. Rod End, Clevis,
13	FT00006205	2	. Screw, Adjust	32	06-126	2	. Pin, Clevis
14	LNK0025281	2	. Plate, Link	33	156133W	7	. Nut
15	NCJS000500	2	. Jam Nut	34	218760	2	. Capscrew
16	R13804690	2	. Capscrew	35	221707W	10	. Hex Nut
17	R13805170	2	. Locknut	36	221767W	12	. Washer
18	R13811183	2	. Locknut	37	232939	4	. Nut, Esna
19	R13811191	6	. Locknut	38	2518974	8	. Shim

PRELIMINARY

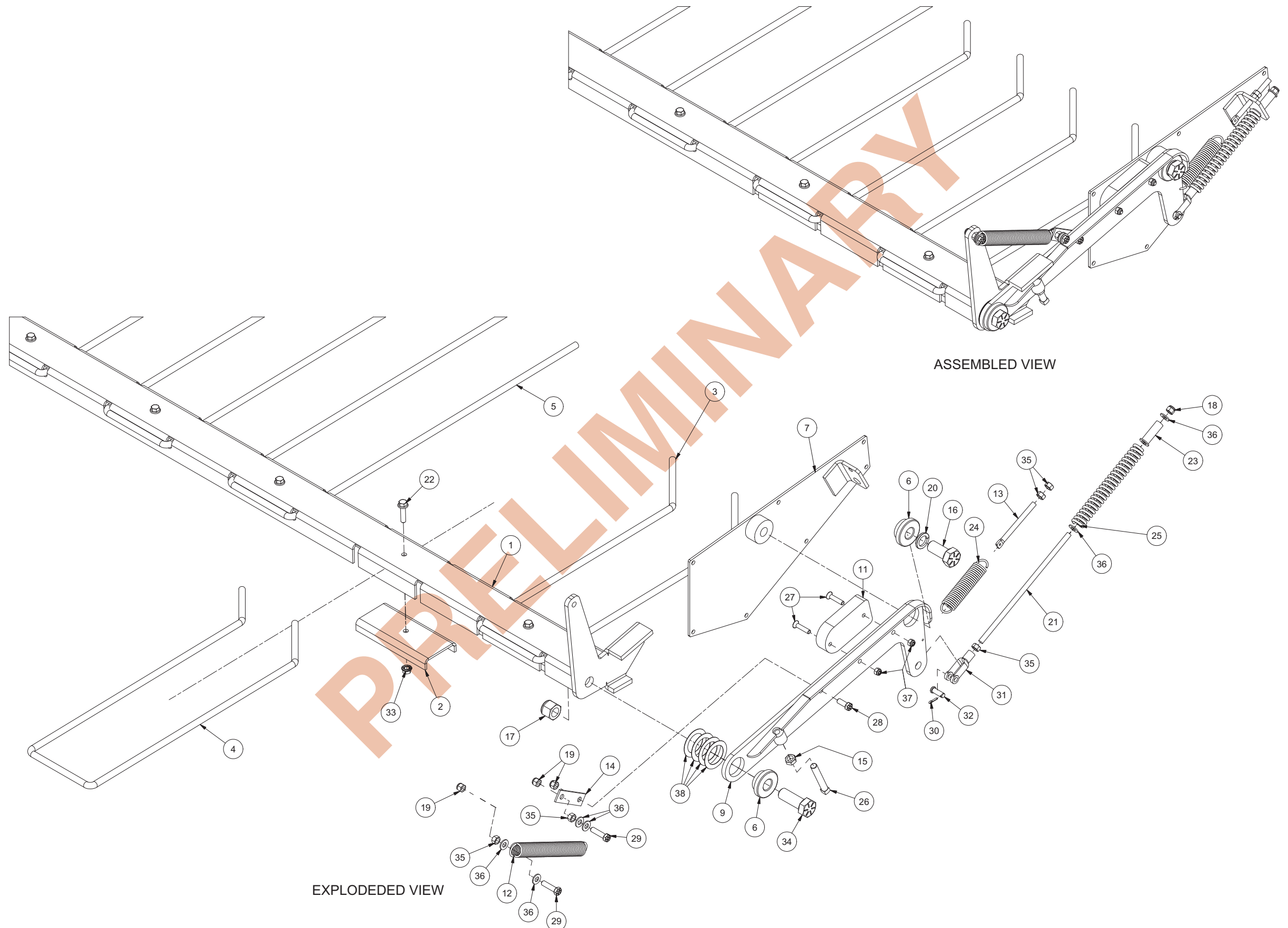
Wind Guard Assembly

Page 2 of 3



Wind Guard Assembly

Page 3 of 3



ASSEMBLED VIEW

EXPLODED VIEW

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PRELIMINARY

Feed Fork Installation

Page 1 of 3

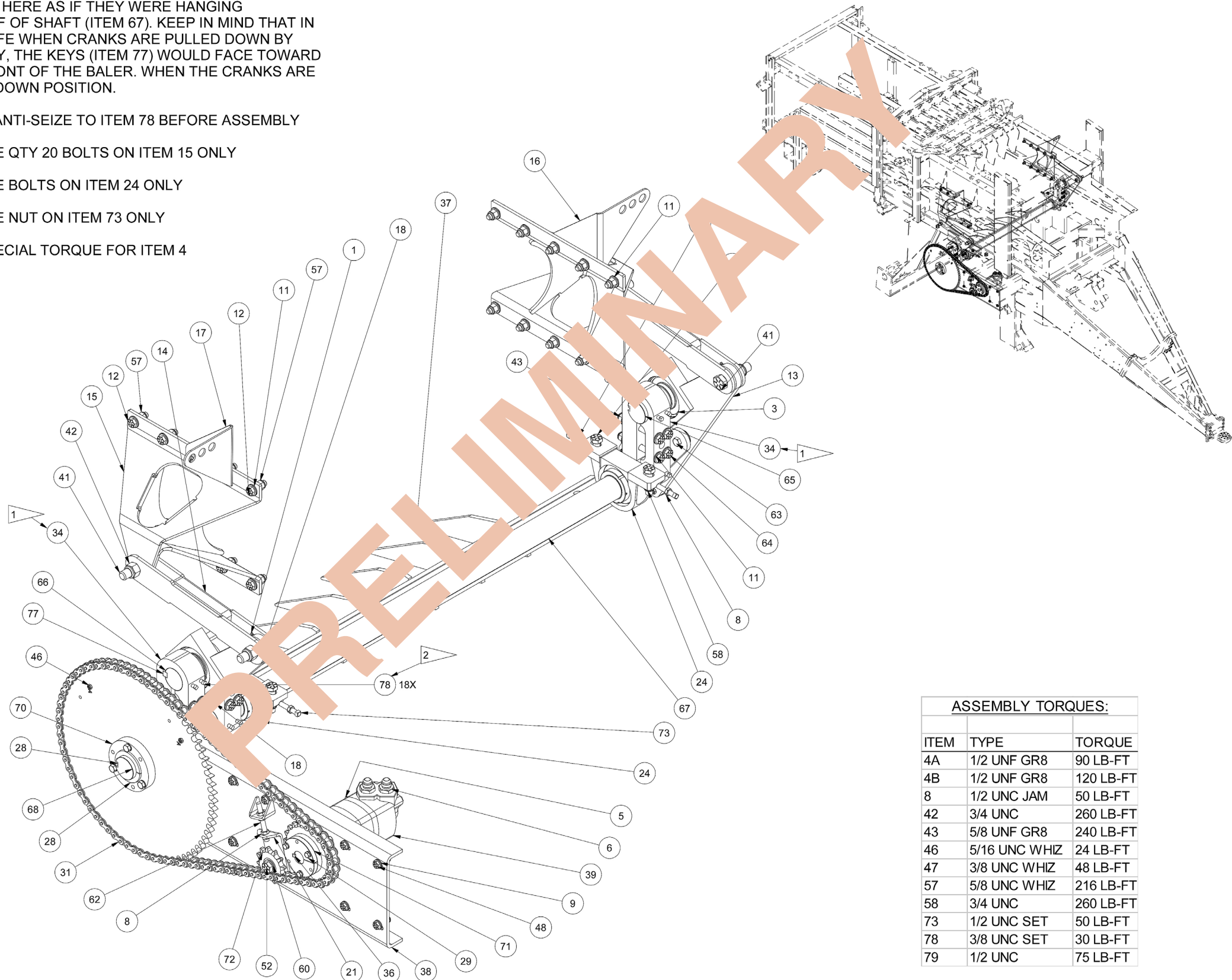
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	904209		Feed Fork Installation				
1	11079	4	. Fitting, Lube	45	R13809543	2	. Locknut
3	204770	4	. Ring, Snap	46	R13811015	2	. Capscrew
4	221712W	4	. Hex Nut	47	Y17C-0624	4	. Capscrew
5	209083	1	. Fitting	48	221569W	8	. Capscrew
6	209164	2	. Fitting	49	221574W	4	. Capscrew
8	234218	8	. Jam Nut	50	Y17C-1036	4	. Capscrew
9	234265	20	. Hard Washer	51	177192W	4	. Capscrew
11	235464	68	. Flat Washer	52	221666W	1	. Capscrew
12	Y17C-1032	20	. Capscrew	54	R13811190	2	. Locknut
13	900381	1	. Arm, LH	55	R13811191	4	. Locknut
14	901555	2	. Link	56	R13811193	12	. Locknut
15	901560	2	. Mounting, Feed Link	57	R13811195	24	. Locknut
16	901585	1	. Plate, LH Guide	58	R13811196	5	. Locknut
17	901586	1	. Plate, RH Guide	59	R13811445	2	. Flat Washer
18	900380	1	. Arm, RH	60	R13811457	10	. Flat Washer
21	BKT0020148	1	. Bracket	61	Y435242.62	2	. Ring, Retaining
22	BRG0000008	2	. Bearing	62	ROD0015719	1	. Rod
23	Y088307.5	4	. Bearing, Self Aligning	63	SFC0080513	1	. Capscrew
24	906090	2	. Bearing, 2-Bolt Pillow Block	64	Y18C-1096	12	. Capscrew
25	906091	1	. Bearing, 4-Bolt Flange Block	65	SHF0035370	1	. Shaft, LH
26	BRG036008B	2	. Bearing, Feed Fork Flat	66	SHF0035371	1	. Shaft, RH
27	BSH0001026	2	. Bushing	67	SHF0035372	1	. Shaft
28	BSH0026875	1	. Bushing, Drive Sprocket	68	SHF036496D	1	. Shaft, Drive
29	BSH0101502	1	. Bushing	69	SLV0018935	1	. Sleeve
30	CAM0013897	1	. Cam	70	SPK0028041	1	. Sprocket
31	904196	1	. Chain	71	SPK0080210	1	. Sprocket, Feed Fork Drive
34	CRA036495E	3	. Plate, Crank	72	SPK128012S	1	. Sprocket, Rollr Chain Idler, 12T
36	F000004104	1	. Key	73	SQS5002500	4	. Set Screw
37	901876	1	. Tine Assembly, Feed Fork	75	WAS0020049	3	. Washer
38	MNT0018946	1	. Mounting, Motor	76	221259	8	. Mach Bushing
39	MTR1121067	1	. Motor, Hydraulic	77	ZZ00000456	7	. Key
	SEL0061237	1	. Seal Kit	78	SQS3751250	18	. Set Screw
41	Y17C-1664	4	. Capscrew				
42	R13803587	4	. Locknut				
43	R13803604	12	. Locknut				

Rev B

Feed Fork Installation

Page 2 of 3

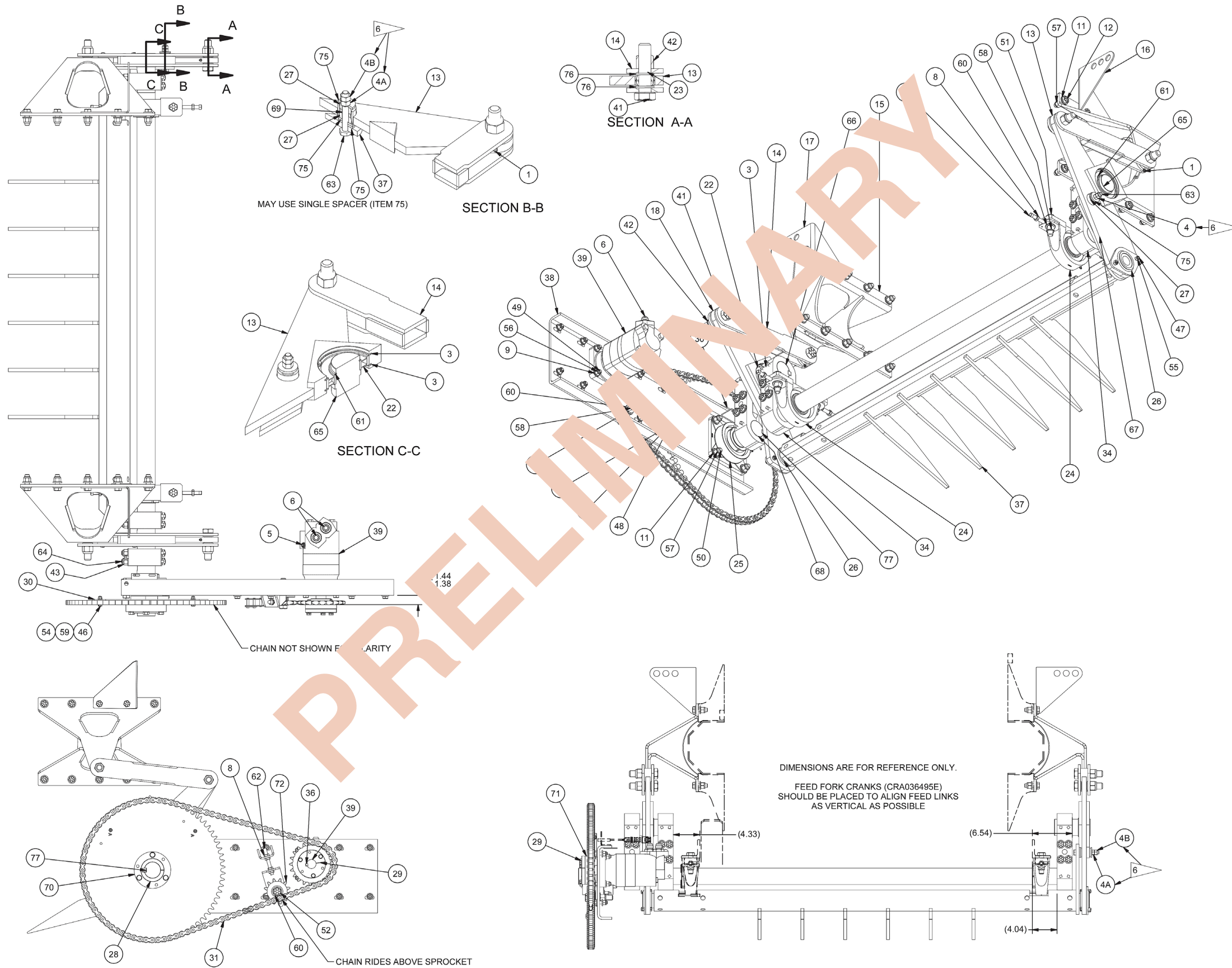
- NOTES:**
- 1 ASSEMBLY NOTE: CRANKS (ITEM 34) ARE SHOWN HERE AS IF THEY WERE HANGING "UP" OFF OF SHAFT (ITEM 67). KEEP IN MIND THAT IN REAL LIFE WHEN CRANKS ARE PULLED DOWN BY GRAVITY, THE KEYS (ITEM 77) WOULD FACE TOWARD THE FRONT OF THE BALER. WHEN THE CRANKS ARE IN THE DOWN POSITION.
 - 2 APPLY ANTI-SEIZE TO ITEM 78 BEFORE ASSEMBLY
 - 3 TORQUE QTY 20 BOLTS ON ITEM 15 ONLY
 - 4 TORQUE BOLTS ON ITEM 24 ONLY
 - 5 TORQUE NUT ON ITEM 73 ONLY
 - 6 SEE SPECIAL TORQUE FOR ITEM 4



ASSEMBLY TORQUES:		
ITEM	TYPE	TORQUE
4A	1/2 UNF GR8	90 LB-FT
4B	1/2 UNF GR8	120 LB-FT
8	1/2 UNC JAM	50 LB-FT
42	3/4 UNC	260 LB-FT
43	5/8 UNF GR8	240 LB-FT
46	5/16 UNC WHIZ	24 LB-FT
47	3/8 UNC WHIZ	48 LB-FT
57	5/8 UNC WHIZ	216 LB-FT
58	3/4 UNC	260 LB-FT
73	1/2 UNC SET	50 LB-FT
78	3/8 UNC SET	30 LB-FT
79	1/2 UNC	75 LB-FT

Feed Fork Installation

Page 3 of 3

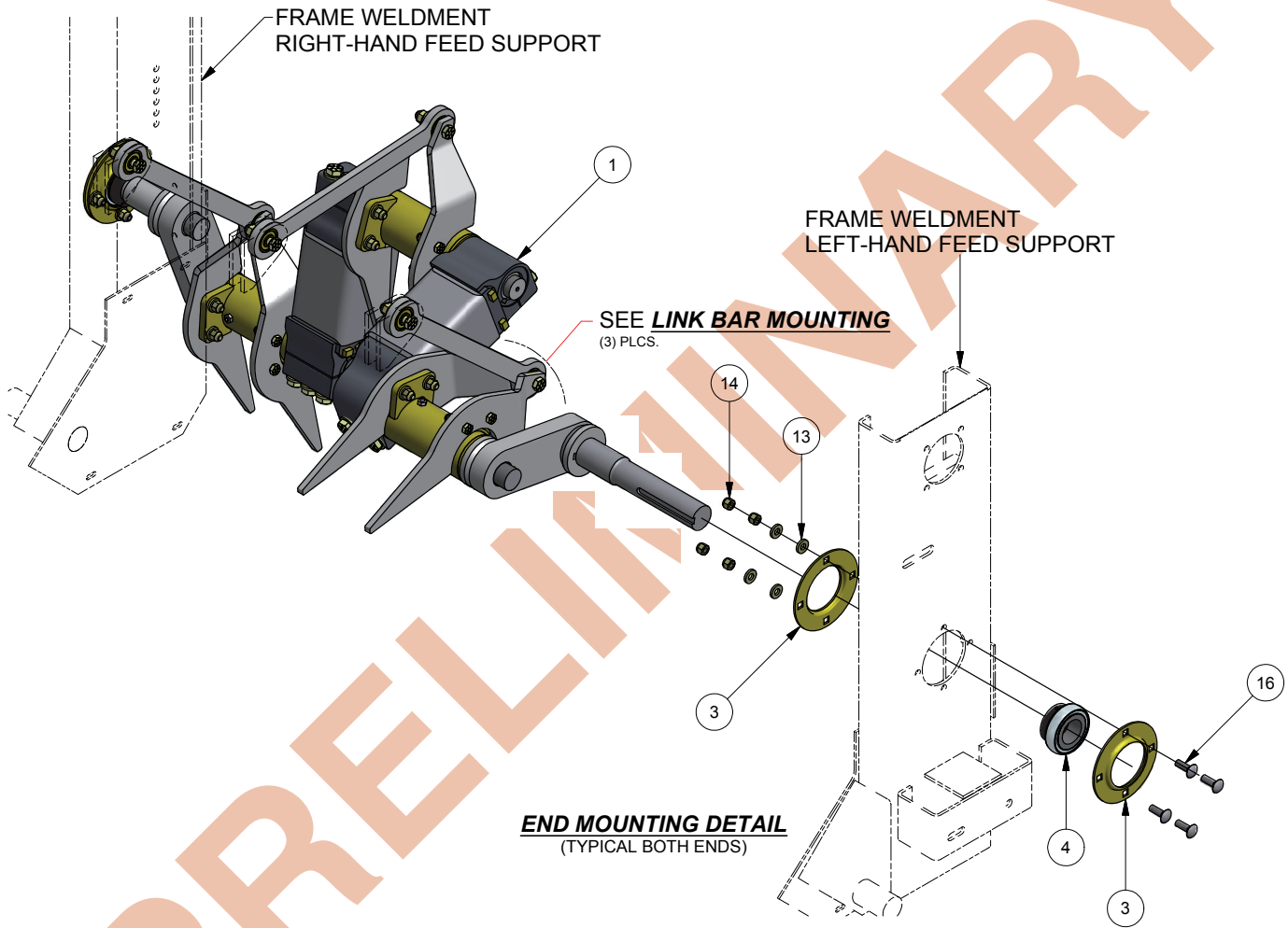


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PRELIMINARY

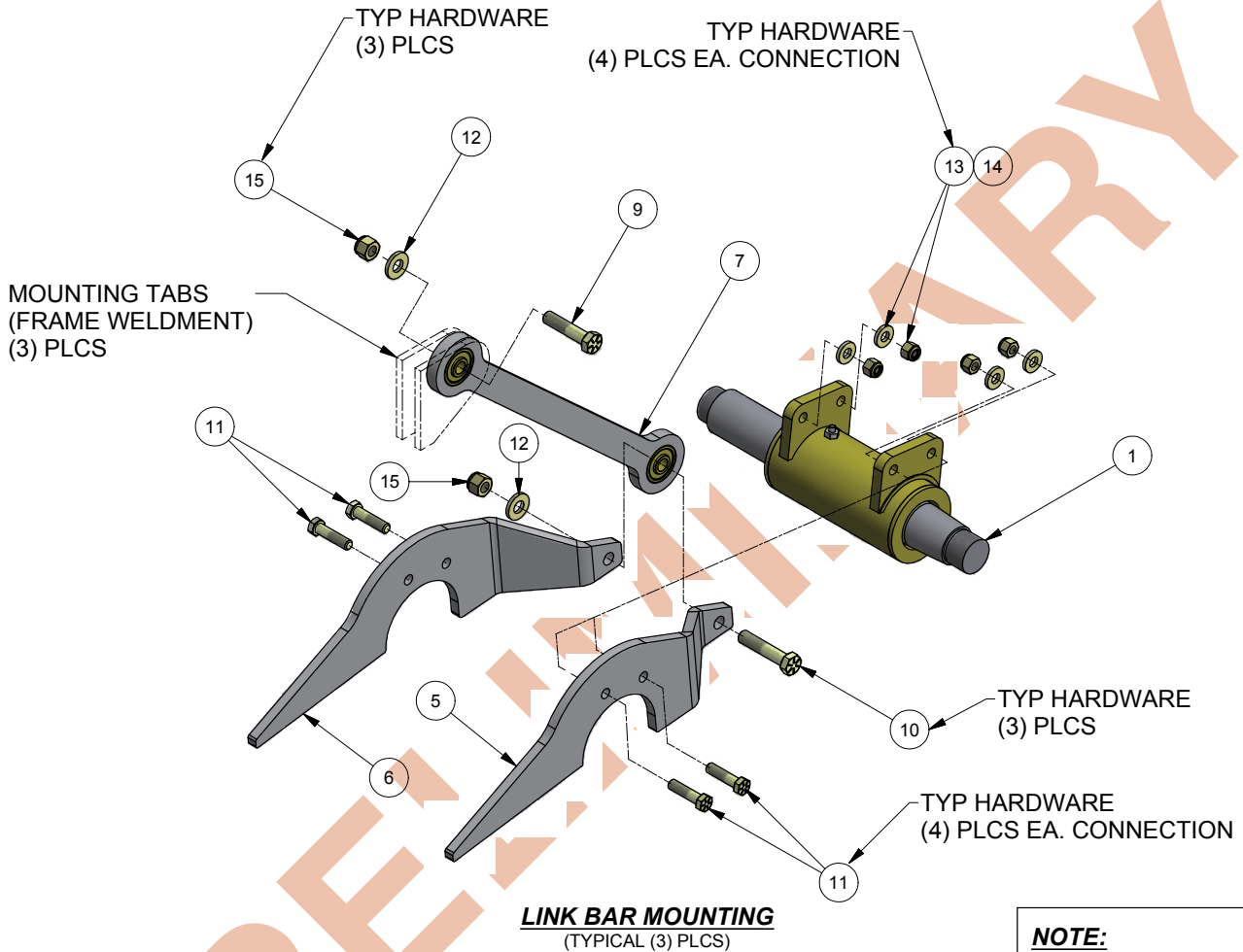
Feed Crank Installation

Page 1 of 2



Feed Crank Installation

Page 2 of 2



NOTE:
 USE METAL-FREE
 ANTI-SIEZE
 DEPAC ~ 505
 ON ALL HARDWARE
 (ASC # 244265)

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
VM00504840 Feed/Crank Installation-1592							
1	* SHF0023127	1	. Assembly, Shaft (Page 73)	10	Y17C-1048	3	. Capscrew
3	BRG0002001	4	. Bearing	11	R13811077	12	. Capscrew
4	BRG0002000	2	. Bearing	12	221775W	6	. Washer
5	TIN0231340	3	. Plate, LH Tine	13	221771W	20	. Washer
6	TIN0231341	3	. Plate, RH Tine	14	R13811193	20	. Locknut
7	LNK0231330	3	. Feeder, Tine Link Assy-1590	15	R13811195	6	. Locknut
	LNK0023133	1	. . Plate, Tine Link	16	CRB5000125	8	. Bolt, Carr
	BRG0106250	2	. . Bearing, Self Aligning				
9	Y17C-1044	3	. Capscrew				

* See Separate Page

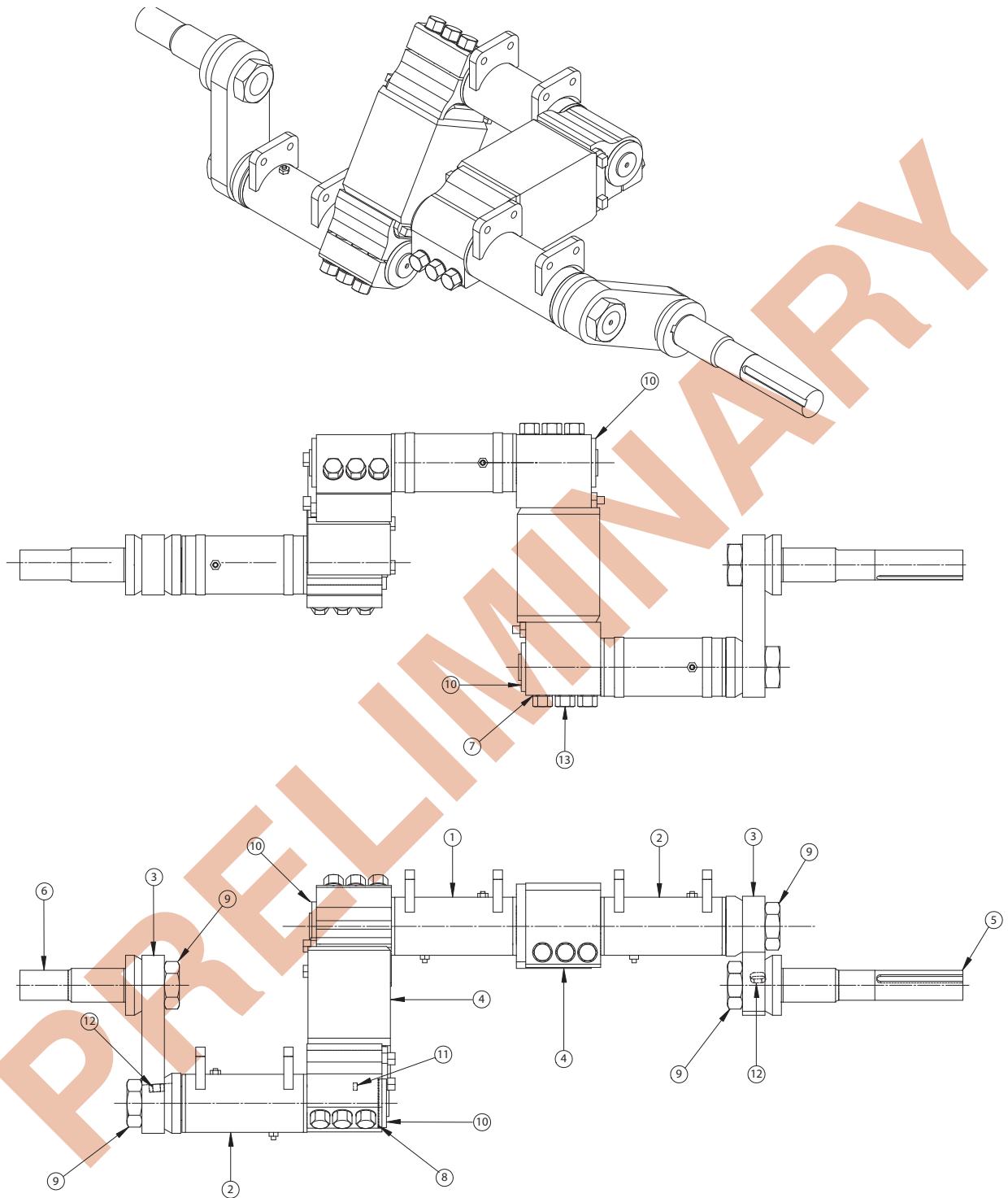
Rev B

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PRELIMINARY

Feeder Crank Shaft Assembly

Page 1 of 1

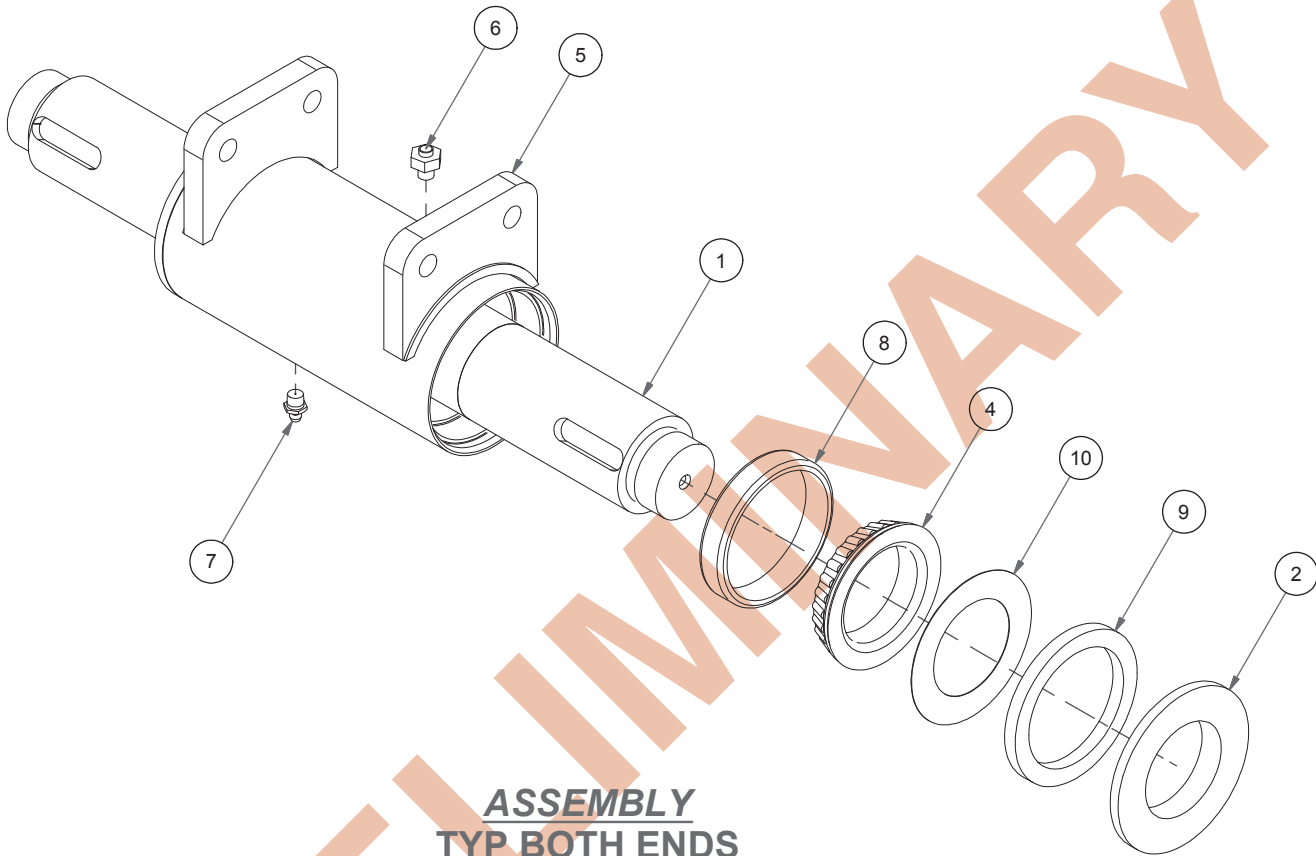


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	SHF0023127		Shaft Assembly				
1	* SHF0023203	1	. Shaft Assy, Feeder Crank (Page 74)	8	ZZ00000203	4	. Mach Bushing
2	* SHF0023204	2	. Shaft Assy W/ Taper, Feeder Crank (Page 75)	9	NMS0023666	4	. Nut
3	ARM0023120	2	. Arm Weldment	10	LOK0017500	4	. Std Thread Lock Collar-16L
4	ARM0023168	2	. Arm Weldment, Feeder Crank	11	ZZ00000451	4	. Key
5	SHF0023130	1	. Shaft, Feeder Crank	12	702422	3	. Key
6	SHF0023131	1	. Shaft, Feeder Crank	13	221664W	12	. Capscrew
7	R13812518	12	. Lockwasher				

* See Separate Coverage

Shaft Assembly, Feeder Crank

Page 1 of 1



ASSEMBLY TYP BOTH ENDS

NOTE:

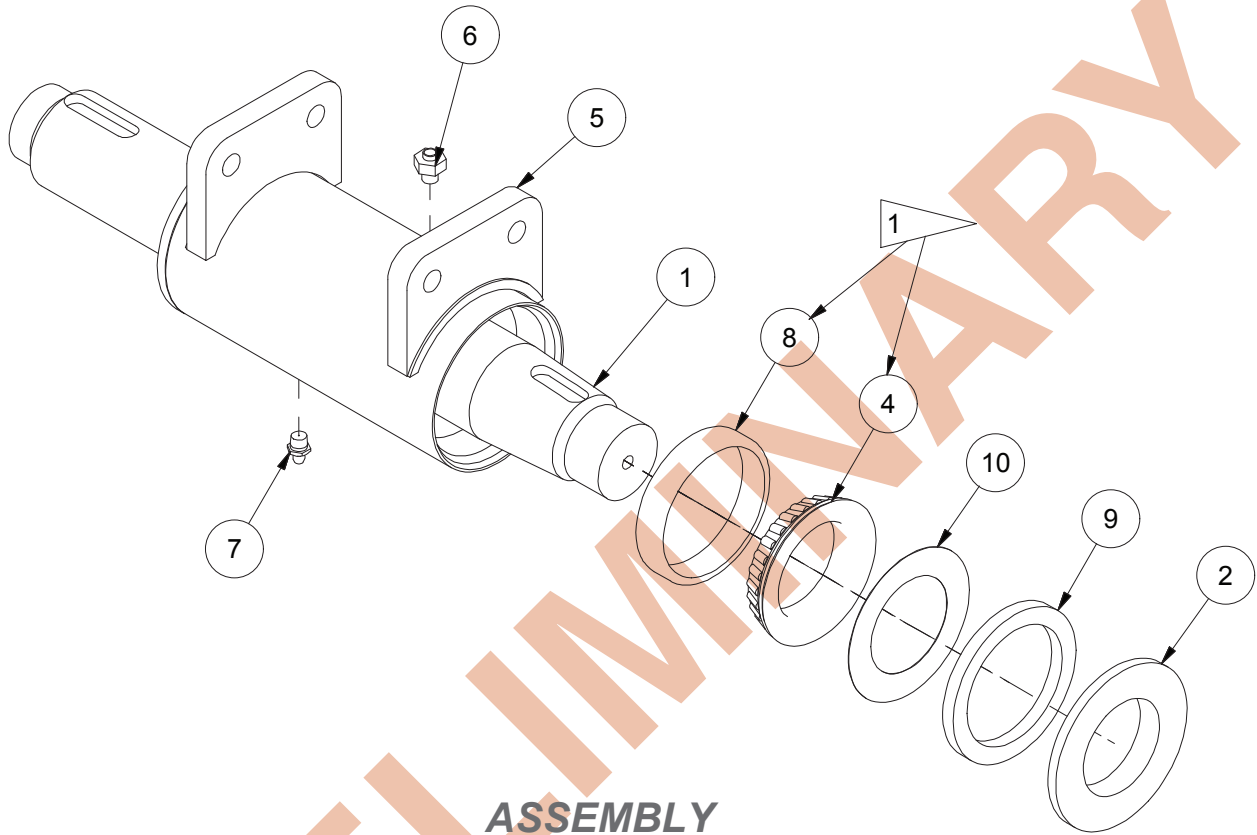
- 1 PRE PACK BEARINGS WITH CHEVRON ULTRA-DUTY GREASE BEFORE ASSEMBLY.
- 2 INSTALL THRUST RING (RNG0023161) TO PROVIDE BEARING PRE-LOAD. NO MORE THAN 0.005" LATERAL MOVEMENT OF HOUSING. DO NOT BIND BEARINGS.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
SHF0023203 Shaft Assembly, Feeder Crank							
1	SHF0023128	1	.Crank Shaft	7	00191758	1	.Fitting, Lube
2	RNG0023161	2	.Bearing, Thrust Ring	8	BRG0507910	2	.Cup, Bearing
4	BRG0507949	2	.Bearing, Tapereducer Roller	9	FLT0034591	2	.Ring, Felt
5	HSN0023116	1	.Housing, Tine Brg	10	SPC0034397	2	.Spacer, Seal
6	LUB0047200	1	.Fitting, Straight Relief				

Rev C

Shaft Assembly W/Taper, Feeder Crank

Page 1 of 1



ASSEMBLY TYP BOTH ENDS

NOTE:

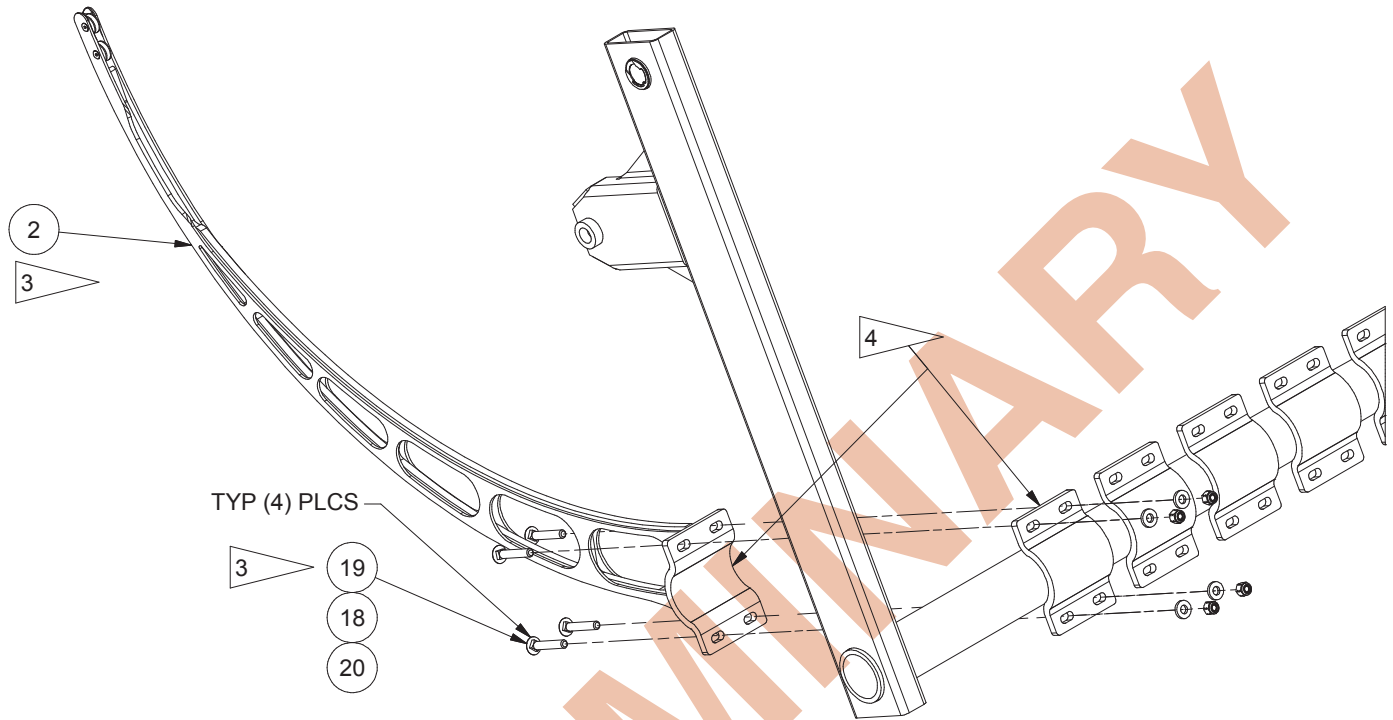
- 1 PRE PACK BEARINGS WITH CHEVRON ULTRA-DUTY GREASE BEFORE ASSEMBLY.
- 2 INSTALL THRUST RING (RNG0023161) TO PROVIDE BEARING PRE-LOAD. NO MORE THAN 0.005" LATERAL MOVEMENT OF HOUSING. DO NOT BIND BEARINGS.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	SHF0023204		Shaft Assy W/ Taper, Feed Crank				
1	SHF0023129	1	. Shaft	8	BRG0507910	2	. Bearing Cup
2	RNG0023161	2	. Bearing Thrust Ring	9	FLT0034591	2	. Ring, Felt
4	BRG0507949	2	. Bearing-Tapereducer Roller	10	SPC0034397	2	. Spacer, Seal
5	HSN0023116	1	. Housing, Tine Brg				
6	LUB0047200	1	. Straight Relief Fitting				
7	00191758	1	. Fitting, Lube				

Rev C

Needle Installation

Page 1 of 4



NEEDLE MOUNTING DETAIL

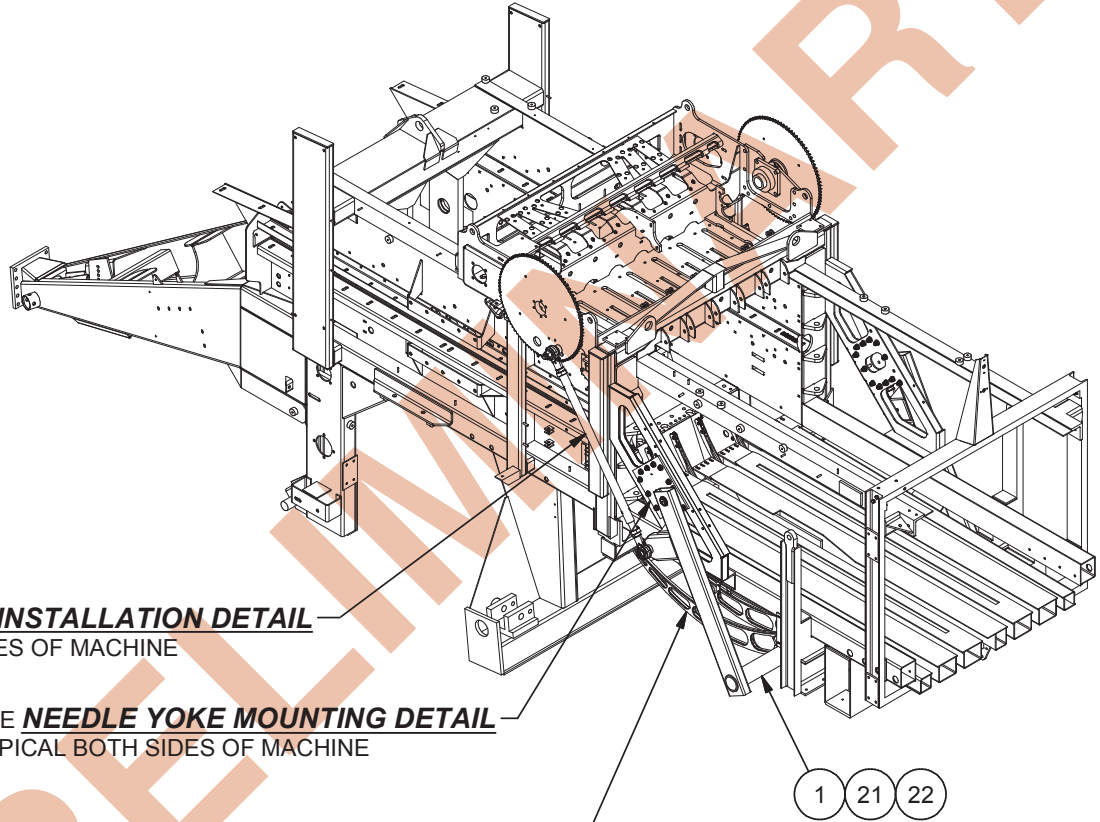
(6) PLCS

Needle Installation

Page 2 of 4

NOTES:

- 1 - SHIMMING SIDE-TO-SIDE OF YOKE, SHIM 1ST. 1/8" TO 1/4" TOTAL SIDE-TO-SIDE PLAY OF NEEDLE YOKE
- 2 - SHIM OF DRIVE ROD
- 3 - CENTER IN NEEDLE SLOT, RUN NEEDLE UP & CONFIRM BASE IS CENTERED IN SLOT
- 4 - VERIFY NEEDLE YOKE AND MATING SURFACE OF NEEDLE ARE FREE OF PAINT AND DEBRIS



SEE **DRIVE ROD INSTALLATION DETAIL**
TYPICAL BOTH SIDES OF MACHINE

SEE **NEEDLE YOKE MOUNTING DETAIL**
TYPICAL BOTH SIDES OF MACHINE

SEE **NEEDLE MOUNTING DETAIL**
(6) PLCS

FOR ADDITIONAL INSTALLATIONS:
TWINE TENSIONER
TWINE ROLLER GUIDES

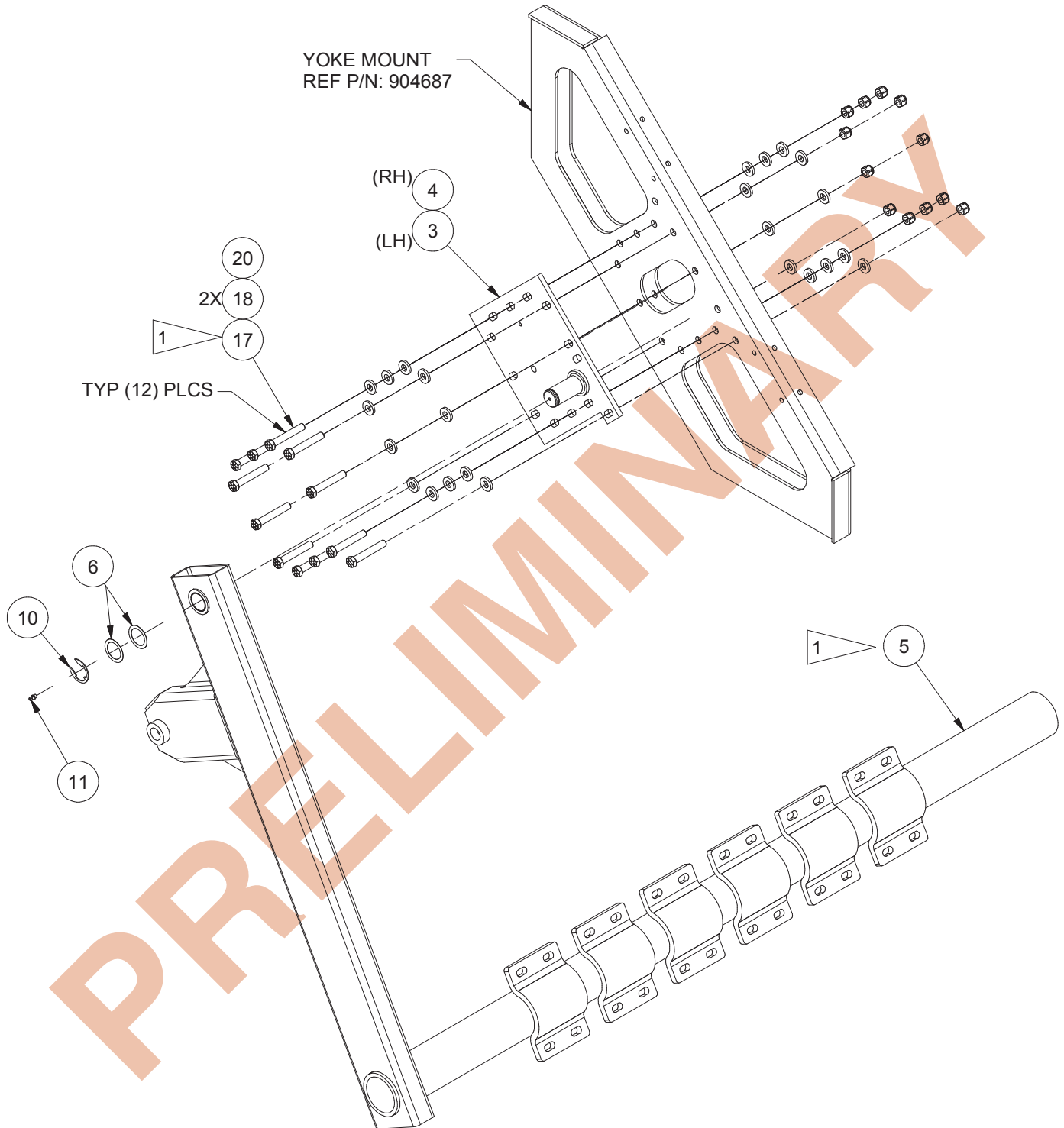
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905796 Needle Installation							
1	* 905795	1	. Twine Tensioner Installation (Page 80)	13	219897	4	. Capscrew
2	* 901729	6	. Needle Assembly, Dbl Kntr (Page 82)	14	223433	4	. Nut, Esna
3	904692	1	. Needle Yoke, LH	15	NFJ0012500	2	. Jam Nut
4	904693	1	. Needle Yoke, RH	16	231071	2	. Jam Nut
5	YOK036353E	1	. Needle Yoke Assembly	17	R13811082	24	. Capscrew
6	F000007977	4	. Shim	18	221771W	72	. Washer
7	ROD0035594	2	. Dbl Kntr Needle Yoke Drive Rod	19	905535	24	. Bolt, Carr
8	ROD0000160	2	. R. H. Rod End	20	223587	48	. Nut, Esna
9	ROD0001600	2	. L. H. Rod End	21	* 904215	1	. Roller Guide Instl, Needle Yoke (Page 83)
10	F000007988	2	. Snap Ring	22	* 904216	1	. Roller Guide Instl, Frame (Page 84)
11	11079	2	. Fitting, Lube	23	SPC036406A	2	. Spacer
12	221780W	8	. Washer				

* See Separate Coverage

Rev D

Needle Installation

Page 3 of 4

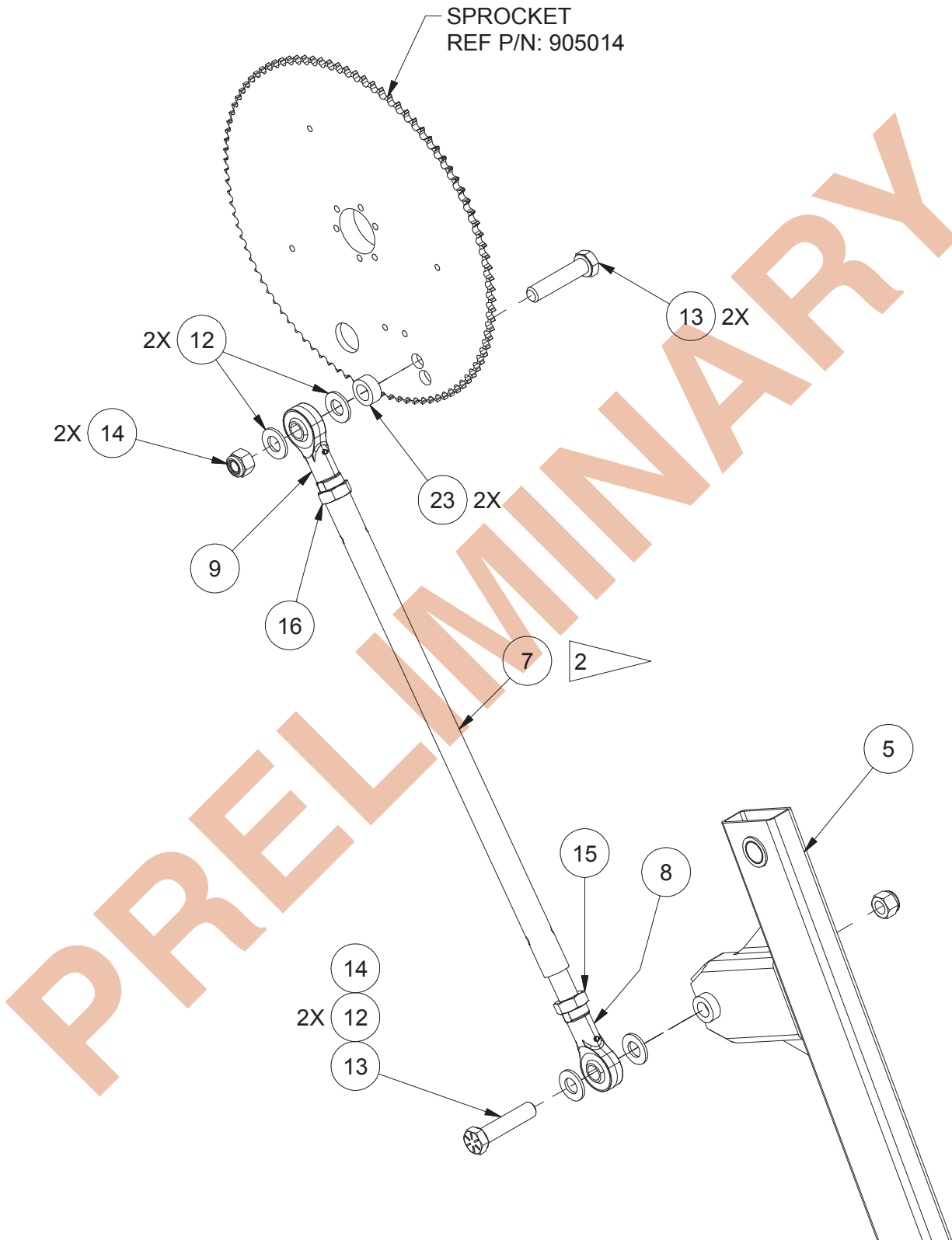


NEEDLE YOKE MOUNTING

LH SIDE AS SHOWN
RH SIDE OPPOSITE

Needle Installation

Page 4 of 4

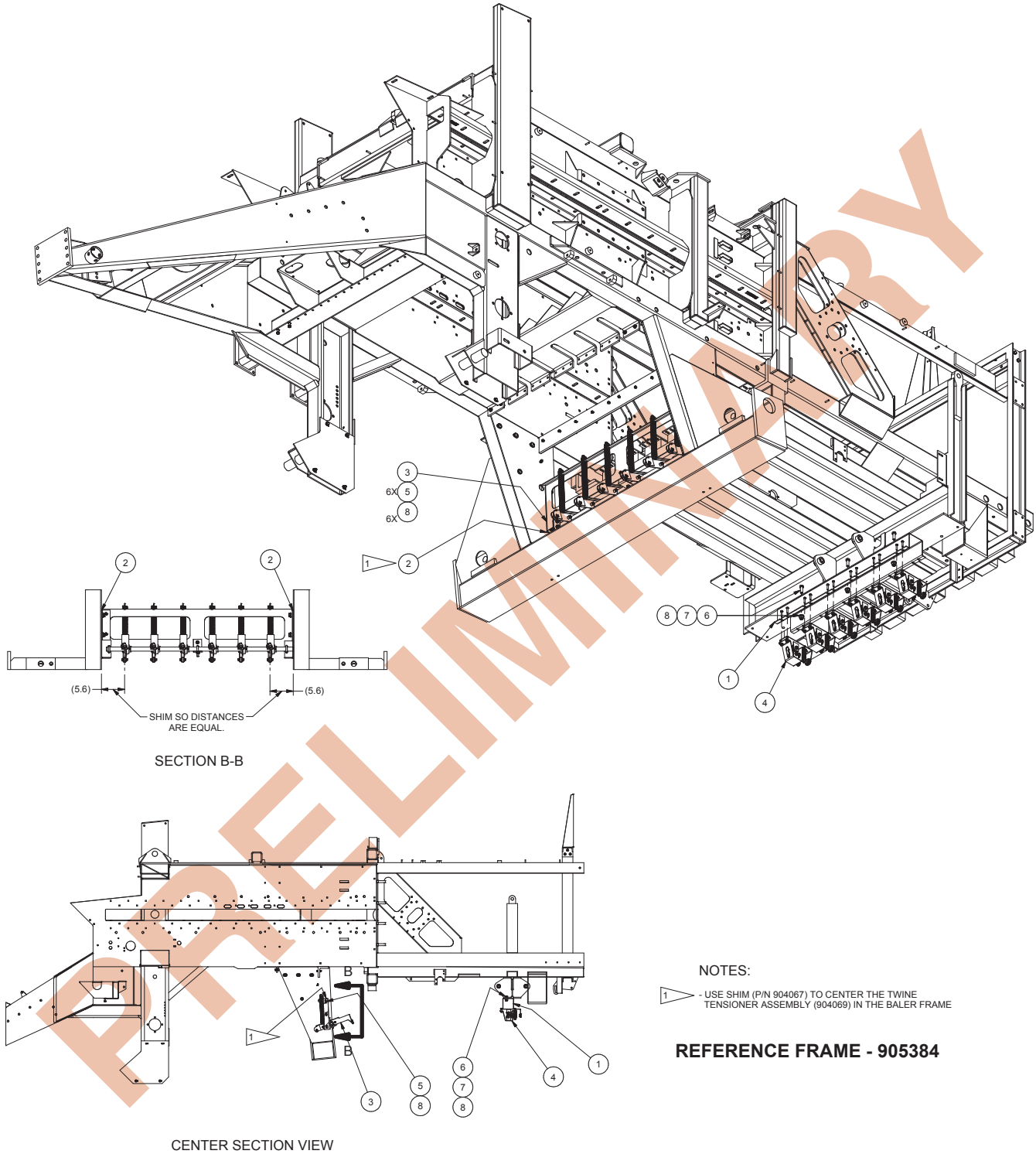


DRIVE ROD INSTALLATION

LH SIDE SHOWN
RH ASSEMBLED OPPOSITE

Twine Tensioner Installation

Page 1 of 1



NOTES:

1 - USE SHIM (P/N 904067) TO CENTER THE TWINE TENSIONER ASSEMBLY (904069) IN THE BALER FRAME

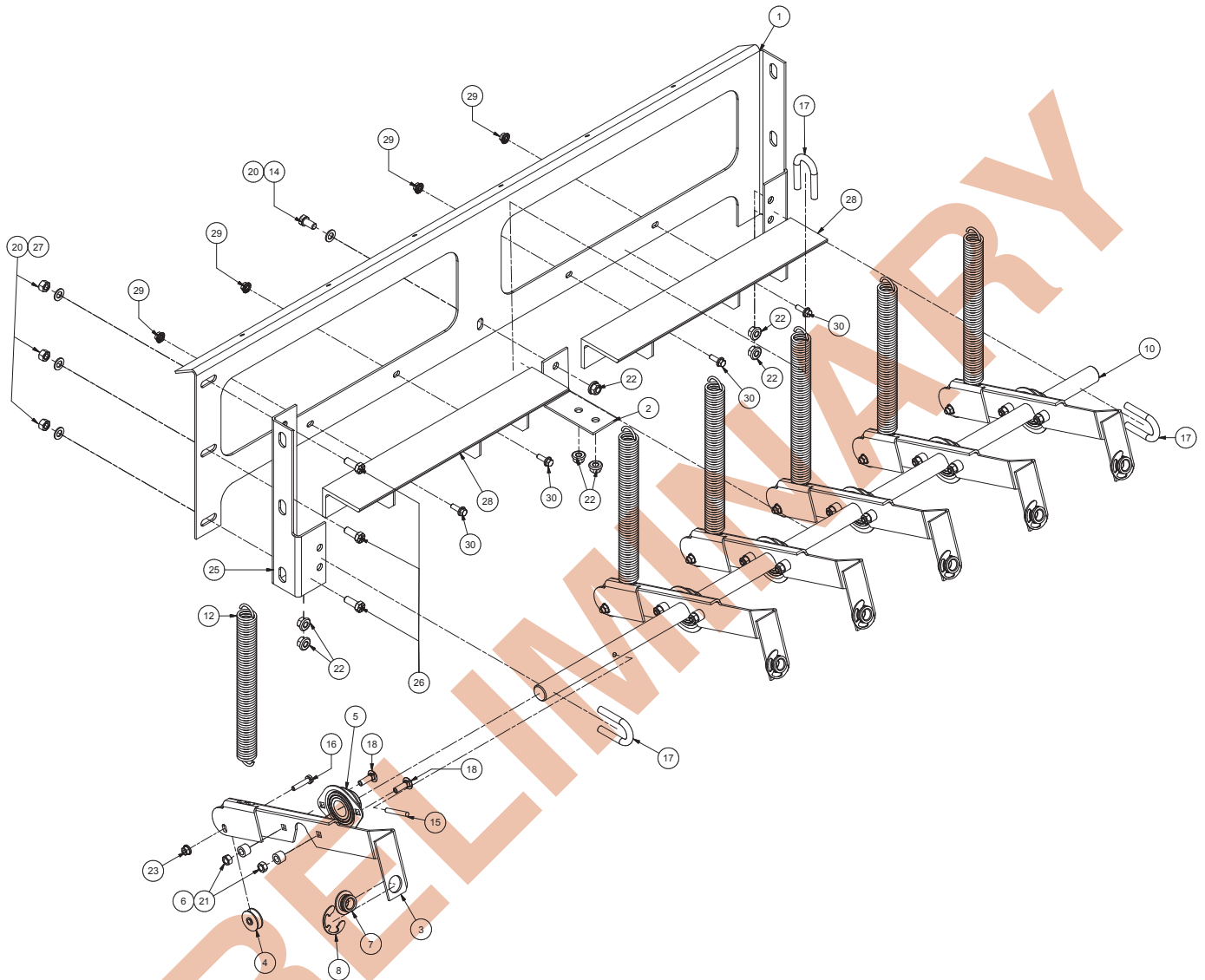
REFERENCE FRAME - 905384

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905795 Twine Tensioner Installation							
1	903968	1	. Plate,Mounting	6	18588W	3	. Capscrew
2	904067	2	. Plate,Shim	7	R13811193	3	. Locknut
3	* 904069	1	. Twine Tensioner Assembly (Page 81)	8	221771W	9	. Washer
4	TNS0035148	6	. Tensioner Assembly				
5	R13811072	6	. Capscrew	* See Separate Coverage			

Rev A

Twine Tensioner Assembly

Page 1 of 1

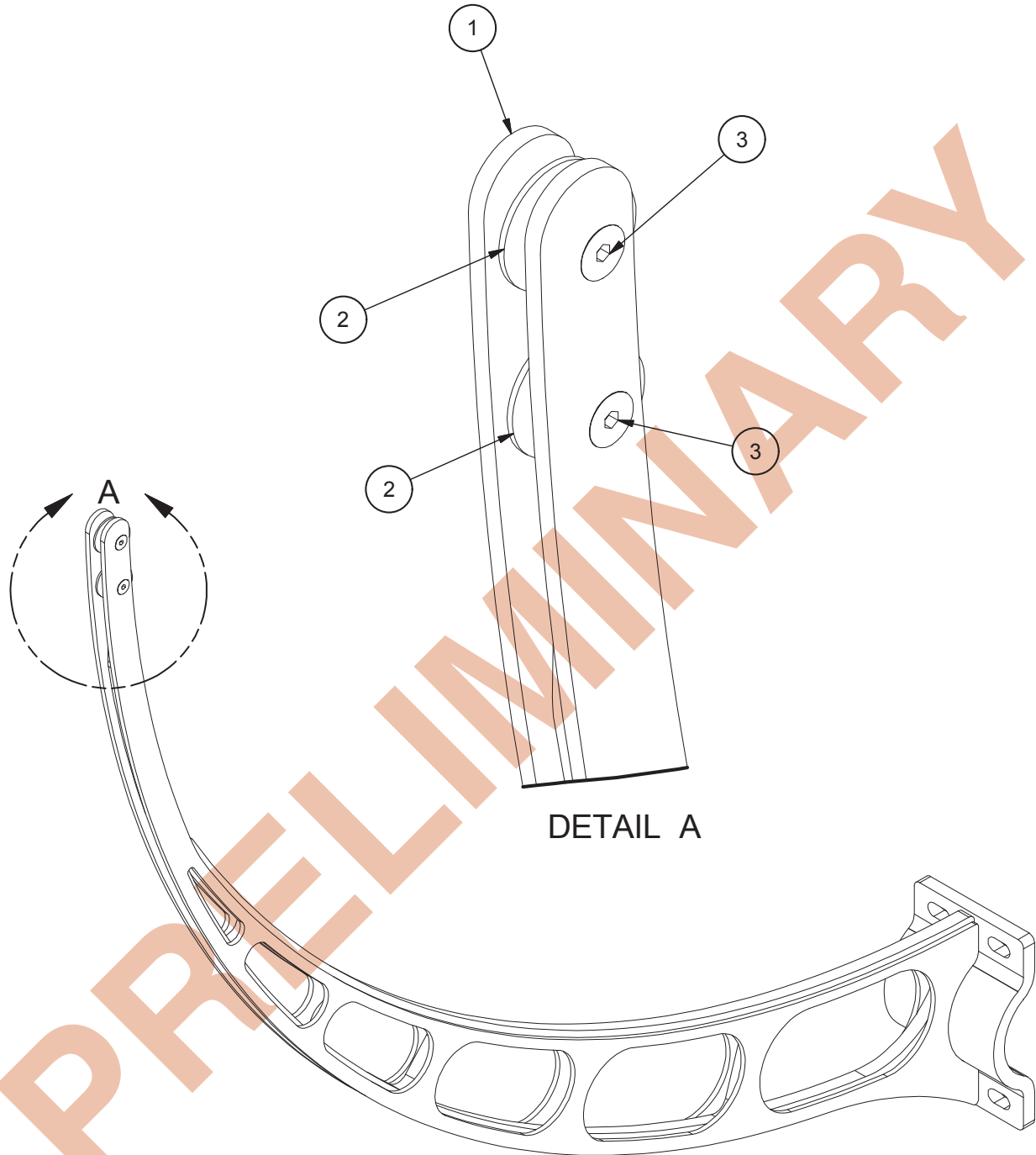


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
904069 Twine Tensioner Assembly							
1	903967	1	. Plate, Mounting	17	UBL1375225	3	. U-Bolt
2	904064	1	. Bracket	18	233972	12	. Bolt, Carr
3	904065	6	. Plate, Puller	20	223427	4	. Flat Washer
4	254784	6	. Bearing, Sealed	21	221705W	12	. Hex Nut
5	BRG4164PP2	6	. Bearing, Flange	22	09411507	7	. Nut, Serrated
6	904068	12	. Bushing	23	09416918	6	. Nut, Serrated
7	F000000856	6	. Bushing	25	904161	1	. Bracket, Mounting
8	F000000857	6	. Ring, Snap	26	Y17C-0616	3	. Capscrew
10	SHF036448B	1	. Shaft	27	221707W	3	. Hex Nut
12	F000001517	6	. Spring, Trip	28	906487	2	. Stop
14	162572W	1	. Capscrew	29	264150W	4	. Nut
15	ZZ00000715	6	. Roll Pin	30	399741W	4	. Screw
16	R13801782	6	. Capscrew				

Rev D

Needle Assembly

Page 1 of 1

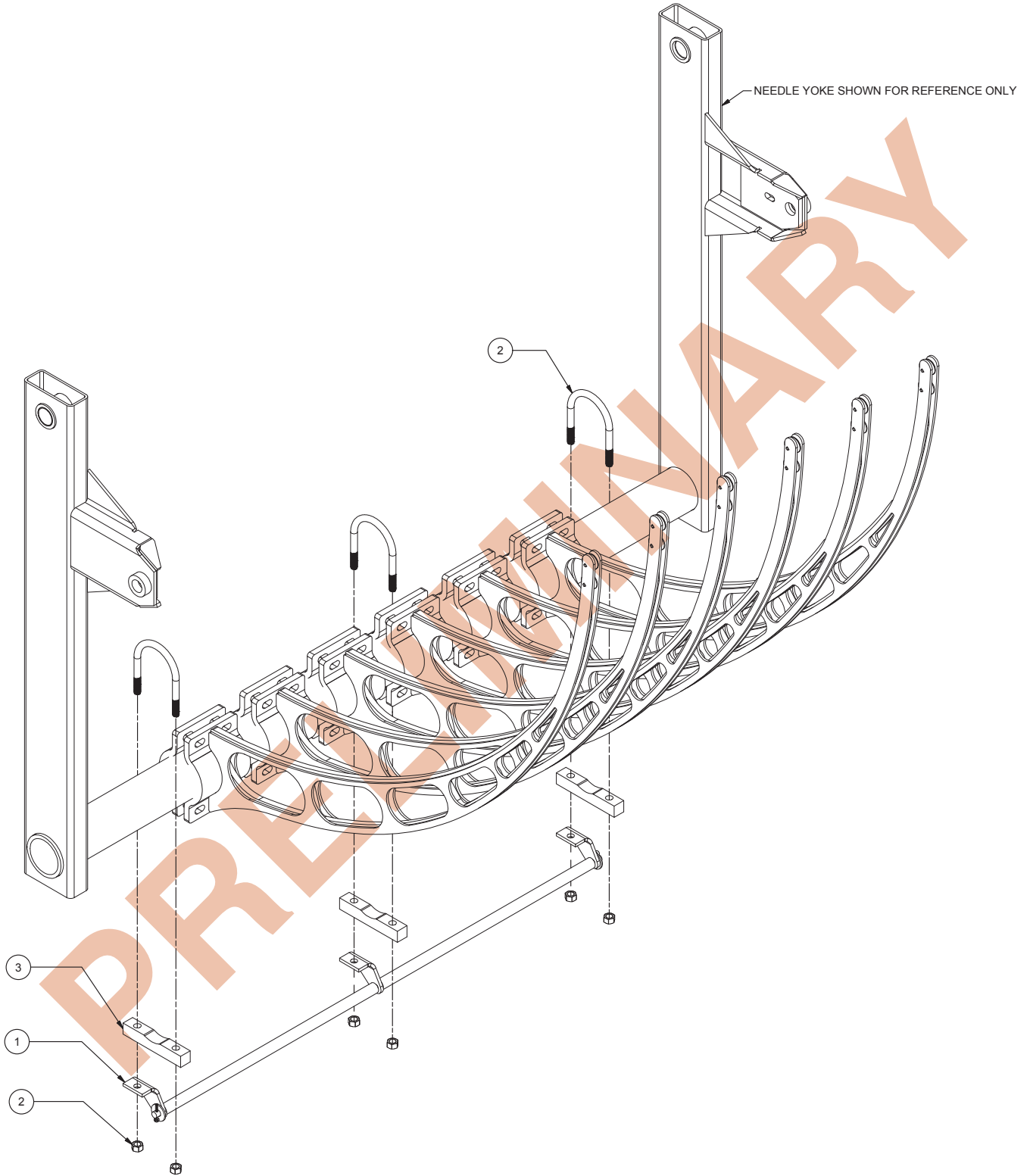


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	901729		Needle Assembly, Dbl Kntr				
1	901730	1	. Needle, Dbl Kntr				
2	254784	2	. Bearing, Sealed				
3	230668	2	. Capscrew				

Rev B

Roller Guide Installation, Needle Yoke

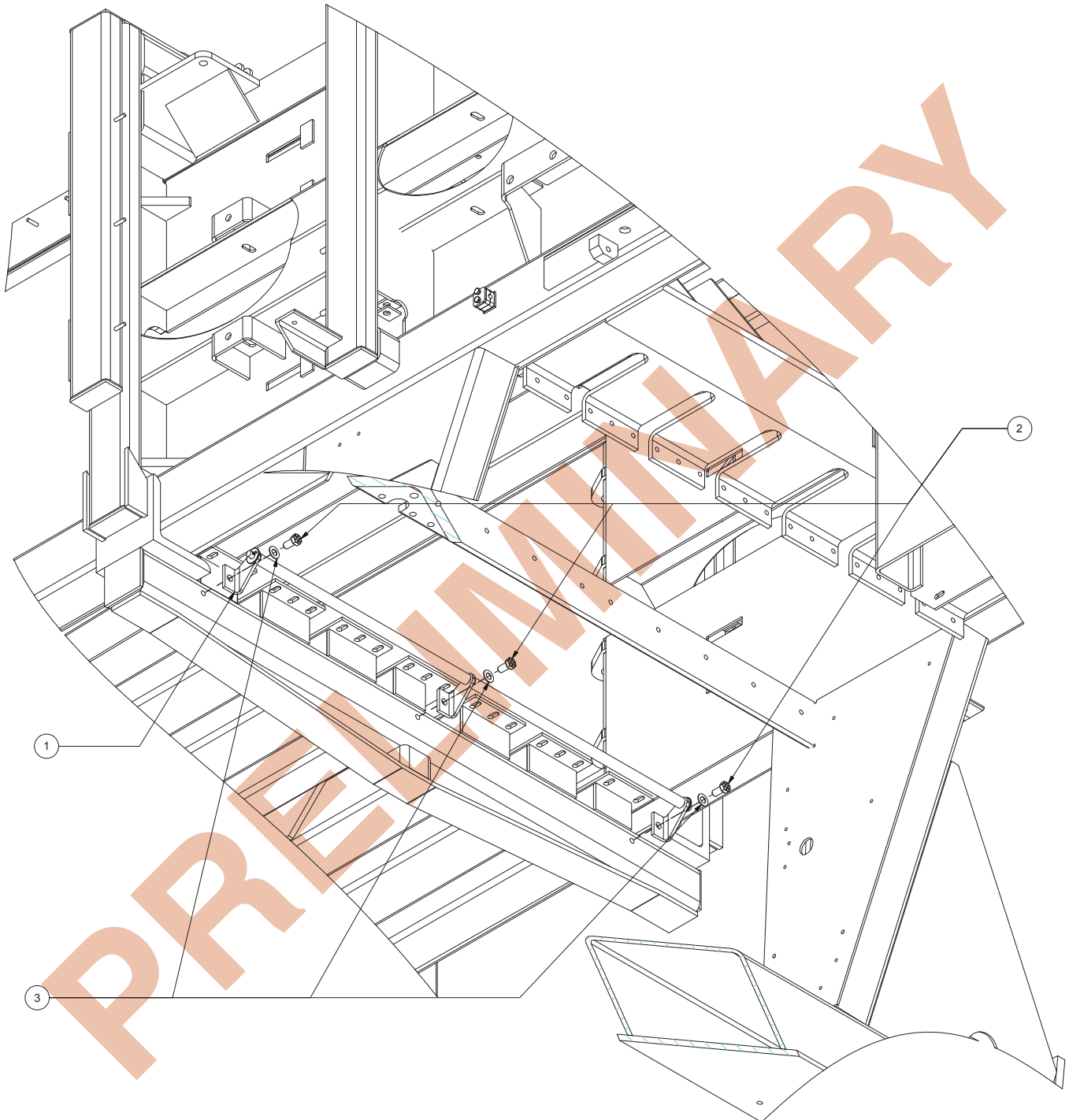
Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	904215		Roller Guide Installation, Needle Yoke				
1	* 904214	1	. Guide Assembly, Twine Roller (Page 85)				
2	257443	3	. U-Bolt				* See Separate Coverage
3	904217	3	. Plate, Mounting				

Roller Guide Installation, Frame

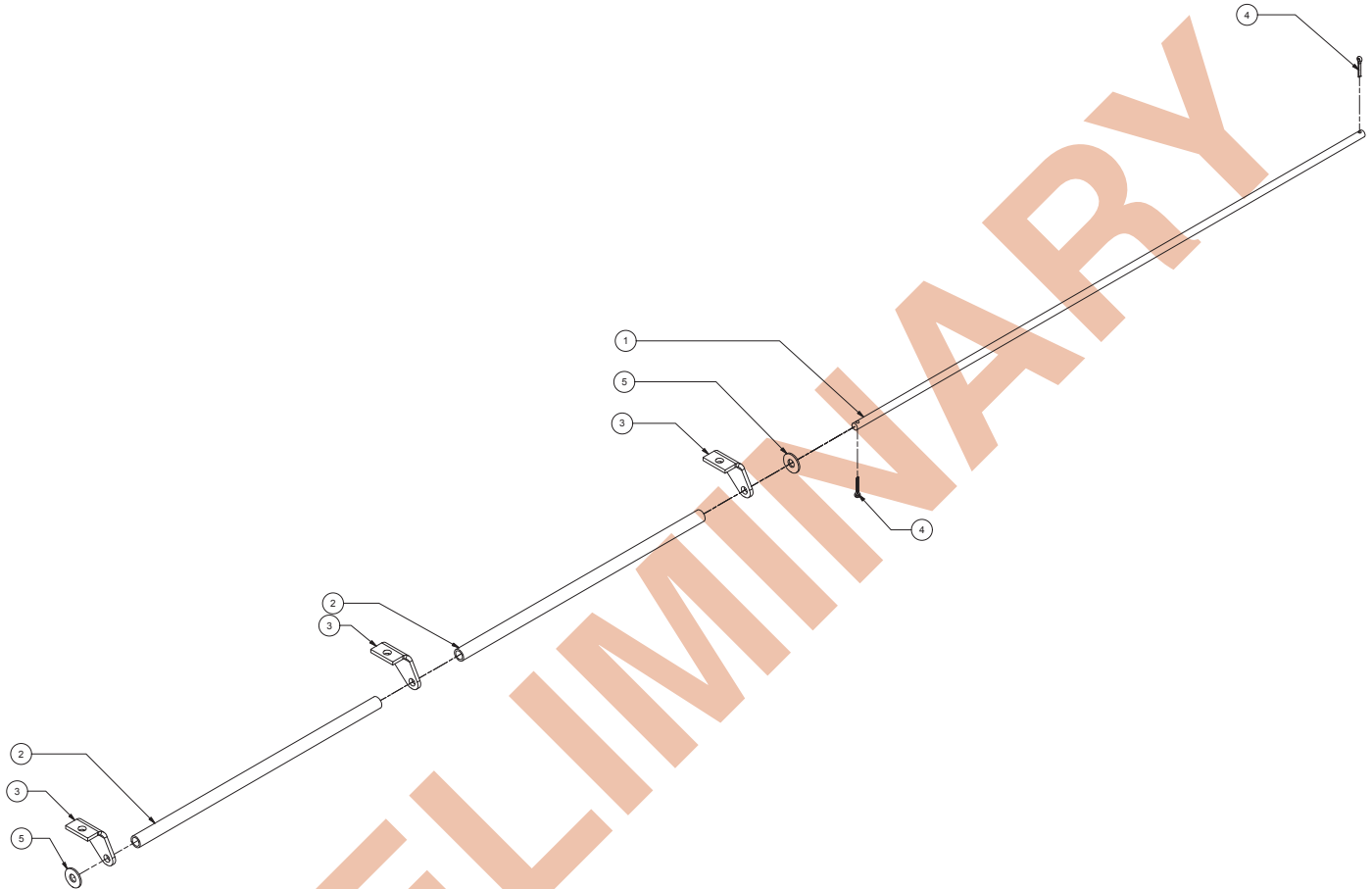
Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	904216		Roller Guide Installation, Frame				
1	* 904214	1	. Guide Assembly, Twine Roller (Page 85)				
2	221560W	3	. Capscrew				* See Separate Coverage
3	223634	3	. Flat Washer				

Guide Assembly, Twine Roller

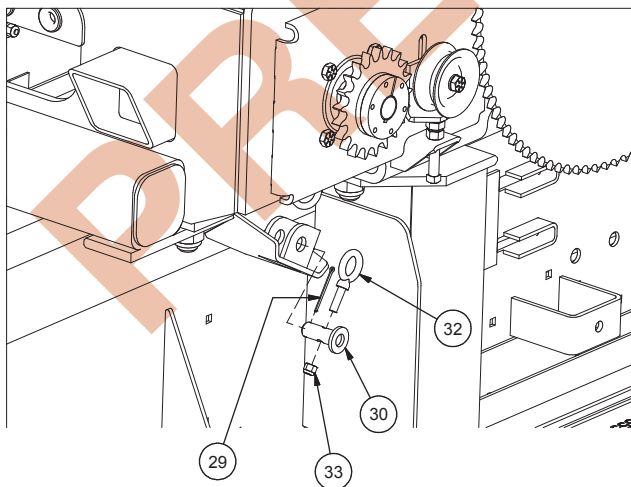
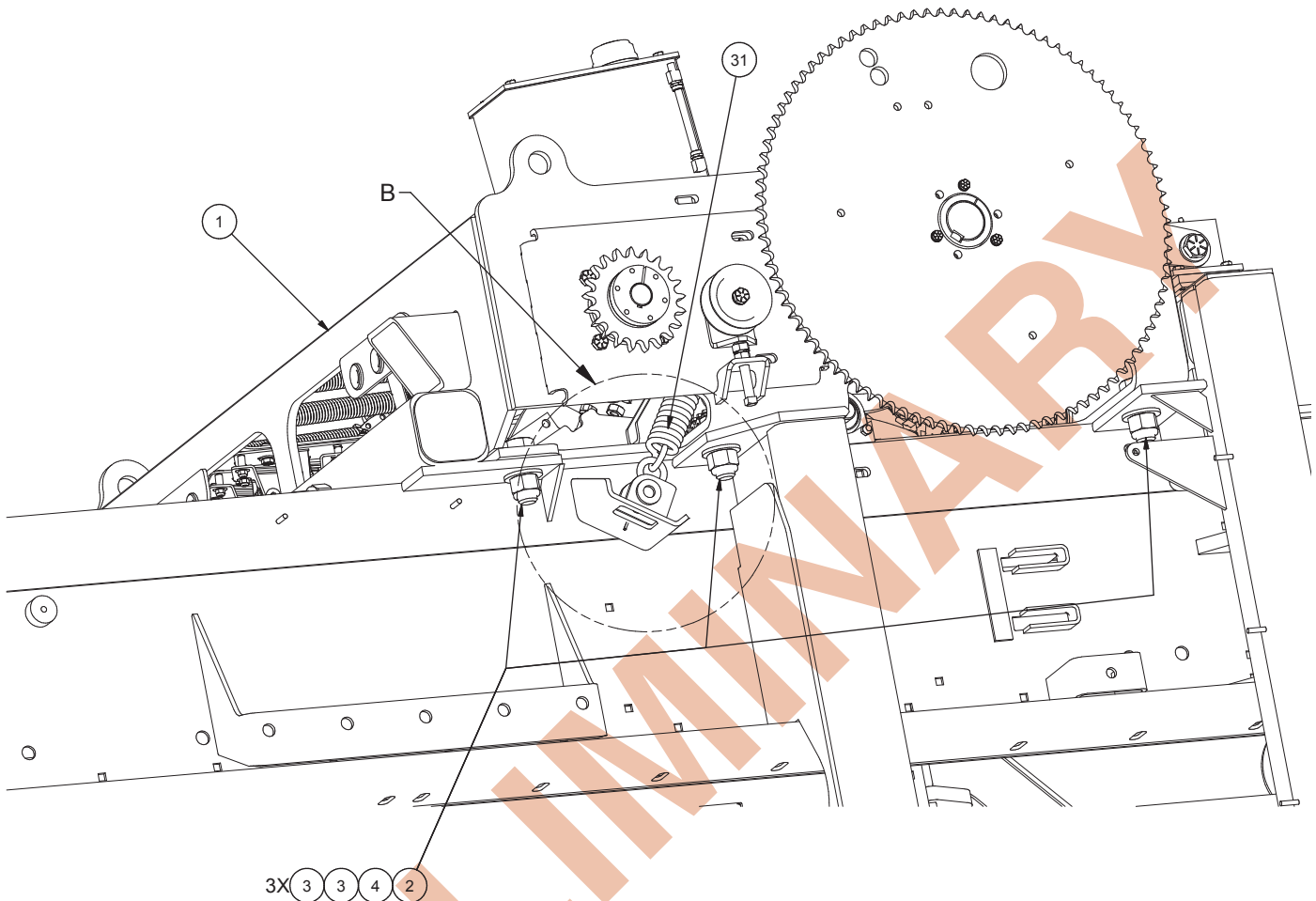
Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
904214 Guide Assembly, Twine Roller							
1	904212	1	. Rod, Guide	4	00103385	2	. Cotter Pin
2	F000008105	2	. Guide Pipe	5	222615	2	. Flat Washer
3	904213	3	. Bracket, Mounting				

Double Knotter Installation, Bolt On

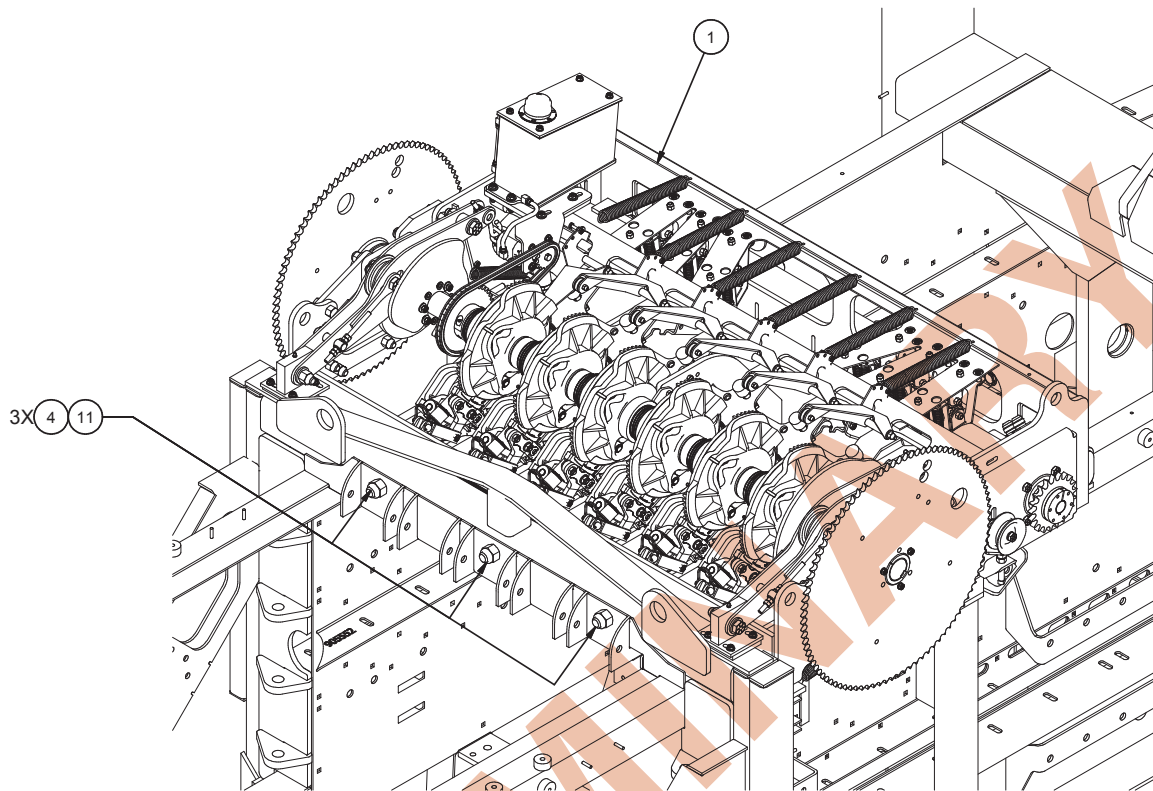
Page 1 of 5



DETAIL B
LATCH SPRING ANCHOR
TYP BOTH SIDES

Double Knotter Installation, Bolt On

Page 2 of 5



NOT ALL OF KNOTTER COMPONENTS SHOWN

LATCHING ARM INSTALLATION:

1. Install latch arms, bushings, and rollers, leaving roller bolt and lock plate jam nuts loose.
2. Mount spring into spring anchor and remove slack with adjusting bolts.
3. Set the Knotter to desired stopping position, with the knife arm fully extended and the twine disc open.
4. Allow the roller to drop into the cam saddle.
5. Tighten roller bolt and lock plate jam nuts.
6. With the roller seated in saddle, put 1/2" of pre-load on the latch springs.
7. Grease bushings. Mobil Grease Special (NLGI Grade No. 2 Lithium Extreme pressure Grease containing Moly)

LATCH SPRING SETUP:

1. With the tractor running at 450-550 rpm, set knotter stop sensor so that the knotter stops just as the roller begins to fall into the saddle.
2. With the PTO rpm (1000-1100), cycle the knotter and verify the roller does not over run the stop saddle. It may run up the ramp but no beyond the lip were it cannot return home.
3. The roller /spring must pull the knotter back to home position after it has over-rotated.
4. The spring should be set at a minimum preload to pull the knotter into the home position.
5. If the knotter over-runs the stop saddle, the spring pre-load may be increased, but do not exceed 1"
6. If still over-running, advance knotter stop sensor pad as necessary.

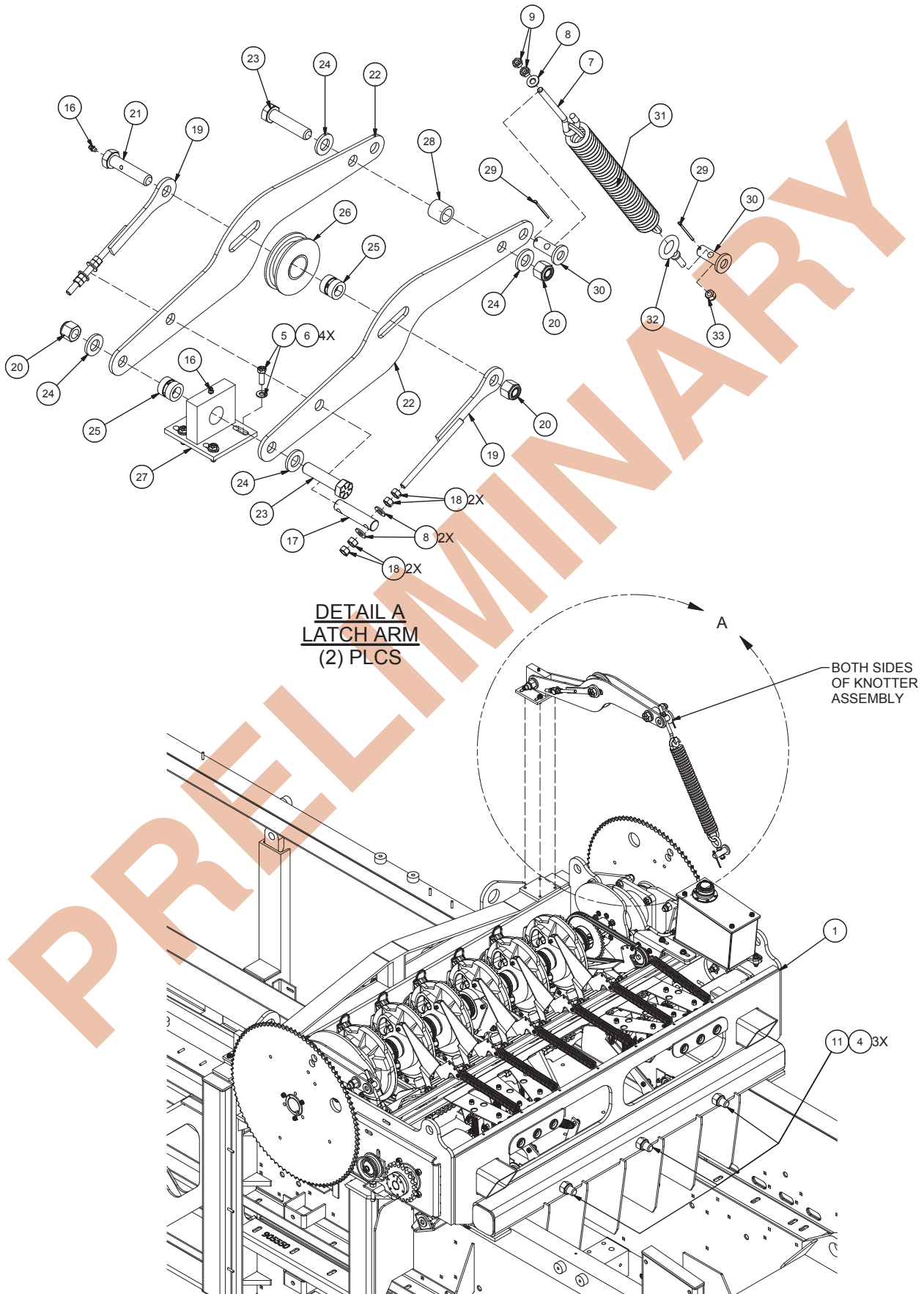
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
904579 Double Knotter Installation, Bolt On							
1	* 904580	1	. Dbl Knotter Assy, Bolt On (Page 92)	18	221707W	16	. Hex Nut
2	221692W	6	. Capscrew	19	904790	4	. Lock Plate, Roller
3	221780W	18	. Washer	20	R13811196	6	. Locknut
4	R13803587	12	. Locknut	21	904504	2	. Bolt
5	R13811014	8	. Capscrew	22	904392	4	. Plate, Latch Arm
6	R13802914	8	. Hard Washer	23	221662W	4	. Capscrew
7	904509	3	. Eyebolt	24	221777W	8	. Washer
8	221767W	11	. Washer	25	904389	4	. Bushing
9	235708	7	. Jam Nut	26	904339	2	. Roller, Latch
10	F000001517	1	. Spring, Trip	27	904503	2	. Lug
11	225068	6	. Capscrew	28	904393	2	. Spacer
12	SQS5003000	1	. Set Screw	29	Y01F-0432	4	. Cotter Pin
13	221711W	3	. Hex Nut	30	904505	4	. Pint
14	906055	6	. Plate, Shim	31	F000007154	2	. Spring, Ext
15	906221	3	. Plate, Shim	32	231657	2	. Eyebolt
16	11079	4	. Fitting, Lube	33	R13811191	2	. Locknut
17	904791	2	. Pin, Lock				

* See Separate Coverage

Rev A

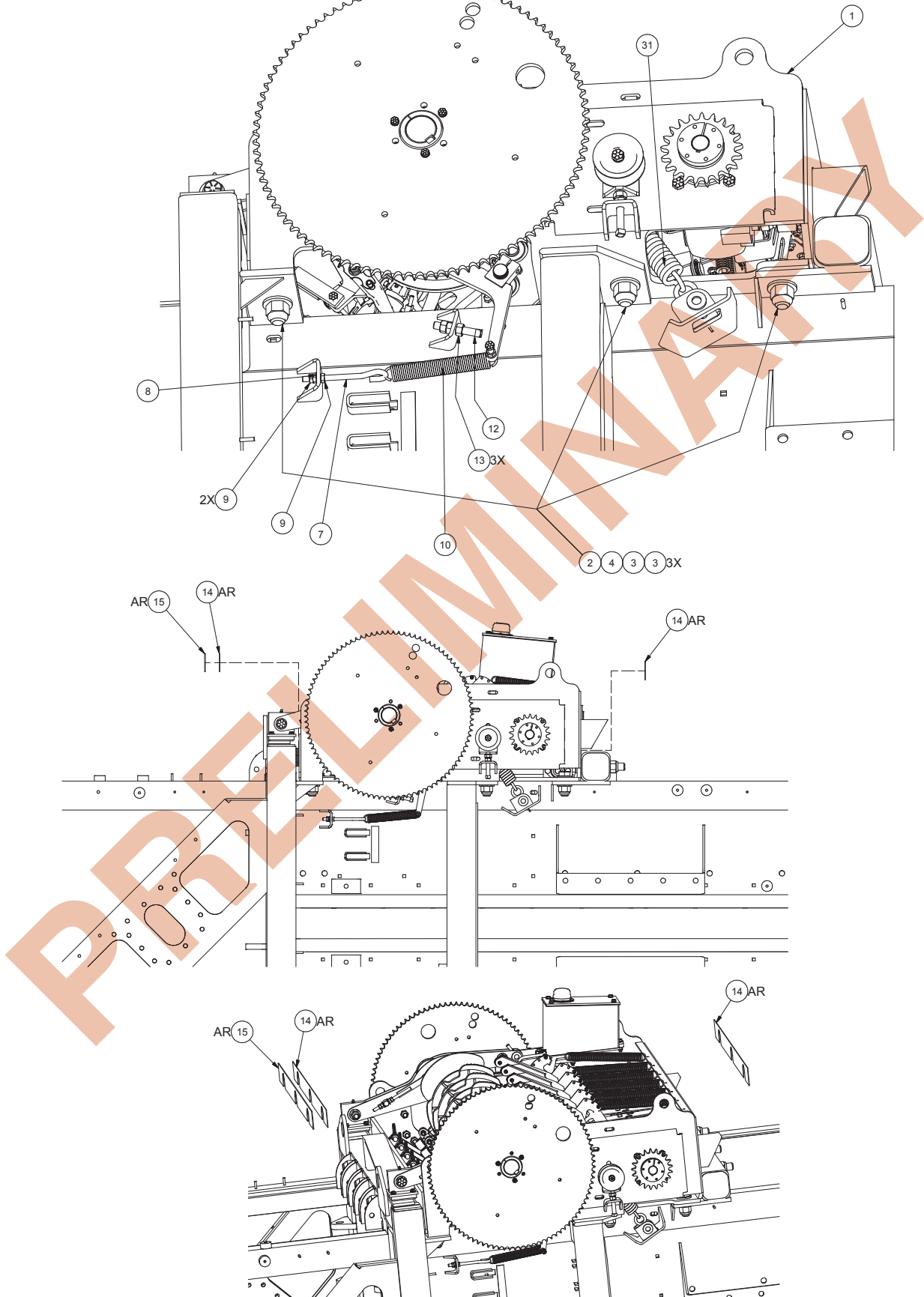
Double Knotter Installation, Bolt On

Page 3 of 5



Double Knotter Installation, Bolt On

Page 4 of 5

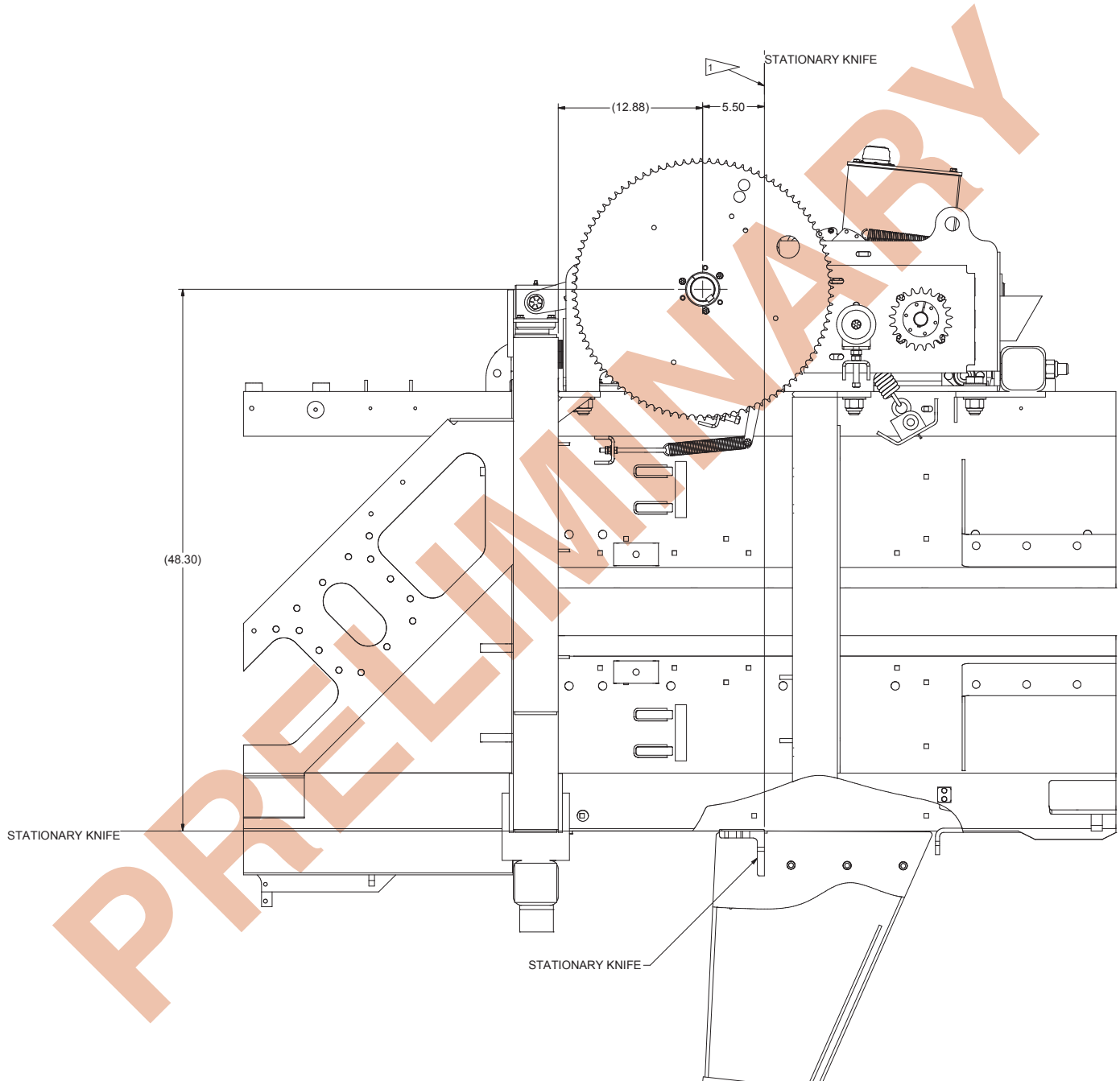


Double Knotter Installation, Bolt On

Page 5 of 5

NOTES:

1 - USE SHIMS TO SET KNOTTER SHAFT WITH RESPECT TO THE STATIONARY KNIFE



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PRELIMINARY

Double Knotter Assembly, Bolt On

Page 1 of 11

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	904580		Double Knotter Assembly, Bolt On				
1	904581	1	. Double Knotter Mounting, Bolt On	40	SPK0035580	2	. Sprocket
2	* 257971	6	. Double Knotter Assy, W/Roller (Page 81)	41	BSH0021875	2	. Bushing
3	903749	1	. Shaft, Knotter	42	SPK60SDS21	2	. Motor Drive Sprocket W/ Bushing
4	904591	6	. Plate, Slack Puller, Top, Dbl Kntr	43	903733	1	. Arm, Tckr Cam
7	PIN0375125	8	. Snapper	44	Y17C-0624	5	. Capscrew
8	R13801813	6	. Capscrew	45	F00000883	2	. Idler Pulley F/Knot Chain Driv
9	R13811191	21	. Locknut	46	904663	2	. Bracket
10	R13801782	12	. Capscrew	47	SPC036451A	2	. Spacer
11	254784	12	. Bearing, Sealed	48	221771W	12	. Washer
12	903752	6	. Plate, Adj Side	49	R13811080	4	. Capscrew
13	R13811189	18	. Locknut	50	201566	6	. Lockwasher
14	F000001517	7	. Spring, Trip	51	221474W	6	. Capscrew
15	BRG0000018	2	. Bearing, Double Knotter Shaft	52	904338	1	. Knotter Cam, RH
16	MTR1091102	2	. Motor, Hydraulic	53	904339	2	. Roller, Latch
17	R13809555	12	. Jam Nut	54	904389	4	. Bushing
18	Y17C-1036	26	. Capscrew	55	904392	4	. Plate, Latch Arm
19	221775W	8	. Washer	56	904393	2	. Spacer
20	R13811195	26	. Locknut	57	221777W	8	. Washer
21	R13811193	15	. Locknut	58	221662W	4	. Capscrew
22	221574W	8	. Capscrew	59	11079	4	. Fitting, Lube
23	Y27E-06	12	. Washer	60	904395	1	. Plate, Cam
24	R13811046	6	. Capscrew	61	R13811196	6	. Locknut
25	Y09G-0416	6	. Capscrew	62	904503	2	. Lug
26	BRG0001300	6	. Bearing, Rod End	63	904504	2	. Bolt
27	BRG0001301	6	. Bearing, Rod End	64	904505	3	. Pin
28	903716	6	. Plate, Finger	65	904509	3	. Eyebolt
29	R13811014	7	. Capscrew	66	235708	7	. Jam Nut
30	217073	6	. Lockwasher	67	Y17C-0616	12	. Capscrew
31	232939	20	. Nut, Esna	68	R13812514	8	. Lockwasher
32	R13811016	6	. Capscrew	69	221767W	41	. Washer
33	R13811444	36	. Flat Washer	70	234218	8	. Jam Nut
34	F000008095	4	. Twine Finger Drive Shaft Brg-Cmplt	71	904398	1	. Knotter Cam, LH
35	233972	8	. Bolt, Carr	72	904399	1	. Plate, Cam
36	903717	1	. Arm, Twn Cam	73	ARM0022540	1	. Feed Sensor Arm
37	256549	2	. Follower, Cam	74	903658	1	. Drive Shaft, Twn Fngr
38	221705W	1	. Hex Nut	75	904671	6	. Drive Rod
39	221499W	2	. Capscrew	76	F000001619	2	. Insert, Bearing

* See Separate Coverage

Continued...

Rev A-1

Double Knotter Assembly, Bolt On

Page 2 of 11

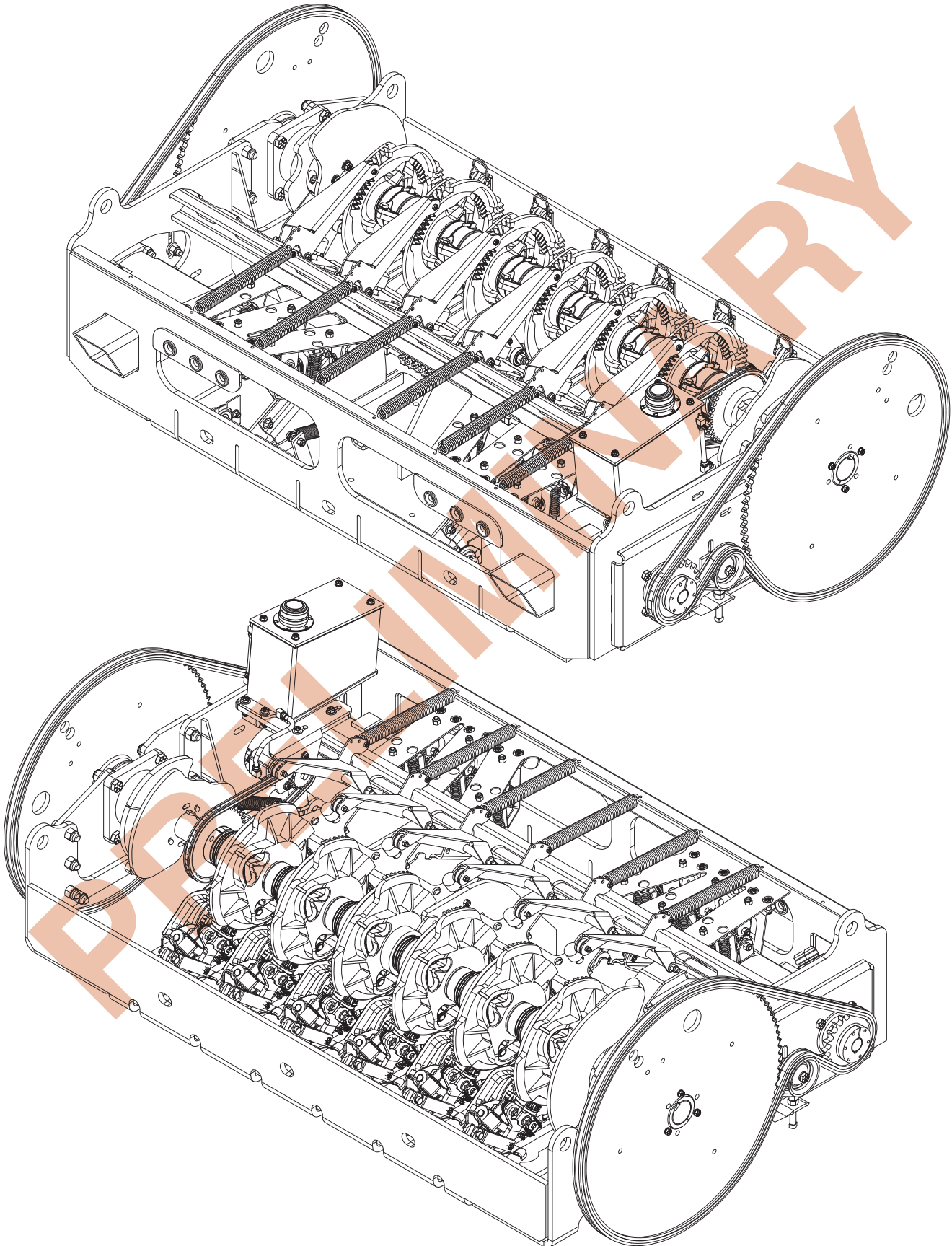
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
77	CRB3130075	4	. Bolt, Carr	113	RS20661130	12	. Key, Dbl Knotter
78	R13802914	18	. Hard Washer	114	R13811034	13	. Capscrew
79	209215	4	. Fitting	115	903457	1	. Bracket
80	209087	2	. Fitting	116	SPC036711A	6	. Spacer
81	F000000856	18	. Bushing	117	SHM036712A	12	. Shim
82	F000000857	18	. Ring, Snap	118	906018	2	. Collar
83	LUB0833116	6	. Manifold	119	904194	2	. Chain
84	PPE1250300	6	. Nipple	120	FT00000165	1	. Pump Drive Chain-370 Auto Luber
85	LUB037542A	6	. Luber Line Assembly, #1	121	FT00000113	1	. Link, Connecting
86	LUB037544A	6	. Luber Line Assembly, #3	122	FT00000114	1	. Offset Link
87	LUB037545A	6	. Luber Line Assembly, #4	123	229952	2	. Hex Nut
88	LUB037546A	6	. Luber Line Assembly, #5	124	221711W	3	. Hex Nut
89	LUB037543A	6	. Knife Arm Luber Line	125	R13801850	1	. Capscrew
90	F000008288	30	. Fitting, Lube,	126	905325	1	. Shaft, Tucker Arm
91	R13810993	12	. Capscrew	127	905486	6	. Link
92	SPG0023160	5	. Side Hay Dog Spring	128	905073	6	. Bushing, W/Key
93	R13811082	5	. Capscrew	129	* 905980	1	. Pump Assembly (Page 110)
94	F000007154	2	. Spring, Ext	130	NFL0003125	12	. Lh Jam Nut Nf 5/16 - Plated
95	F000001441	1	. Fitting	131	R13803725	6	. Hex Nut
96	905963	2	. Plate, Mounting	132	F000001889	4	. Flange, Brg
97	221775W	18	. Washer	133	906164	1	. Tube
98	905074	6	. Plate, Mounting	134	906166	1	. Tube
99	R13811013	12	. Capscrew	135	906208	1	. Plate, Angle
100	223657	12	. Lockwasher	136	R1939324	1	. Bumper
101	R13811032	6	. Capscrew	137	64892	6	. Bumper, Threaded Rubber
102	905485	5	. Plate, Chamber	138	221763W	4	. Washer
103	* TNS0035148	6	. Tensioner Assembly (Page 108)	139	209511	1	. Fitting
104	904250	1	. Mounting Assembly, Cntr Brg	140	903751	1	. Center Bearing Bar
	904249	1	. Bushing	141	200454W	2	. Capscrew
105	904790	4	. Lock Plate, Roller	142	BRG0002029	2	. Cam Follower Bearing
106	904791	2	. Pin, Lock	145	SPB0010555	1	. Brake Actuating Cylinder Spring
107	221707W	17	. Hex Nut	146	Y01C-0624	1	. Capscrew
108	R13811015	2	. Capscrew	147	223427	2	. Washer, Flat
109	905491	2	. Plate, Paddle	148	F000007448	1	. Saddle Lever Spring Eyebolt
110	* 905985	1	. Tank Assembly (Page 109)	149	906209	1	. Key
111	SPK0041B40	1	. Sprocket	150	R13811014	1	. Capscrew
112	Y01F-0432	3	. Cotter Pin	151	R13811016	1	. Capscrew

* See Separate Coverage

Rev A-1

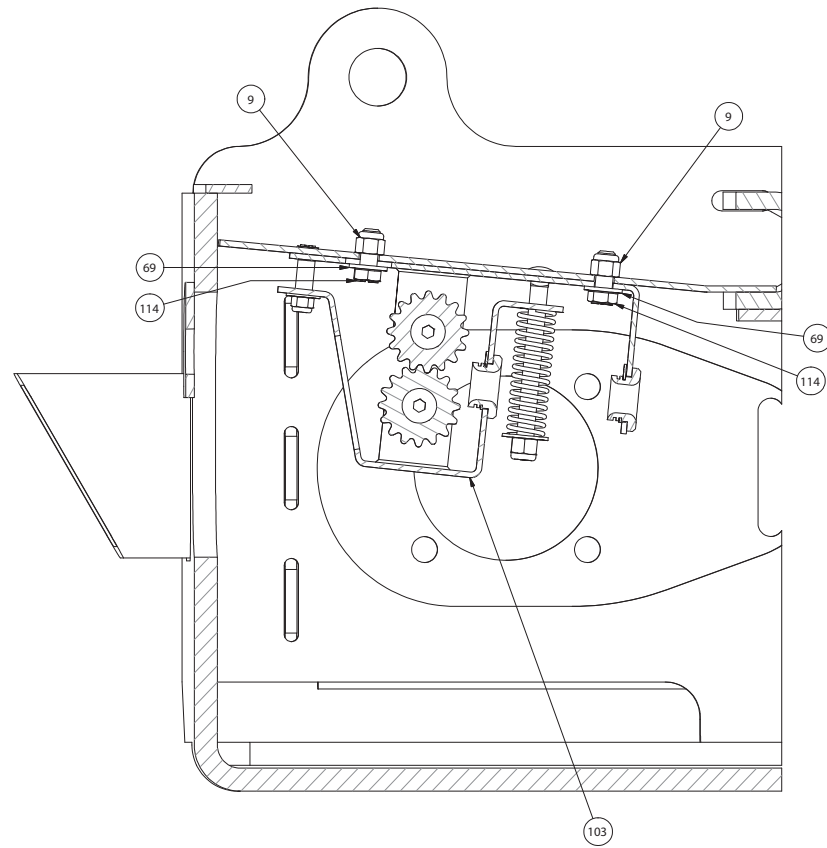
Double Knotter Assembly, Bolt On

Page 3 of 11

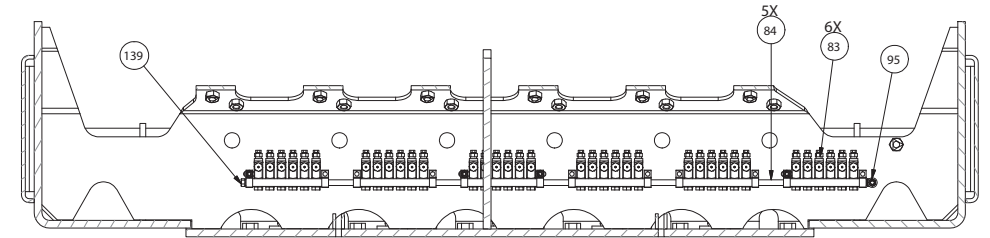
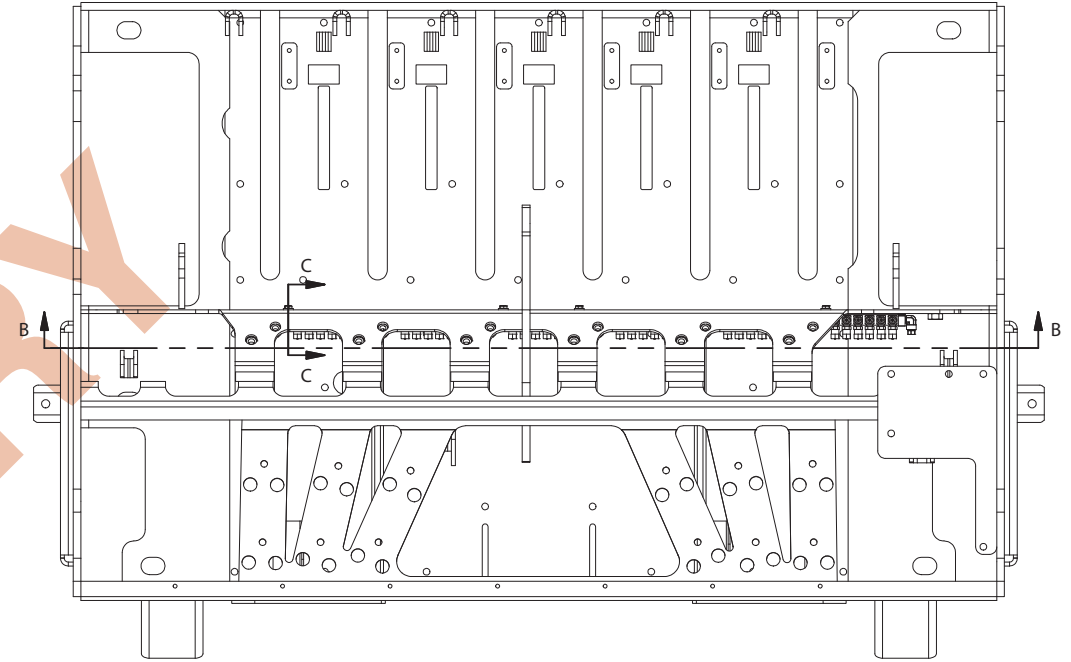
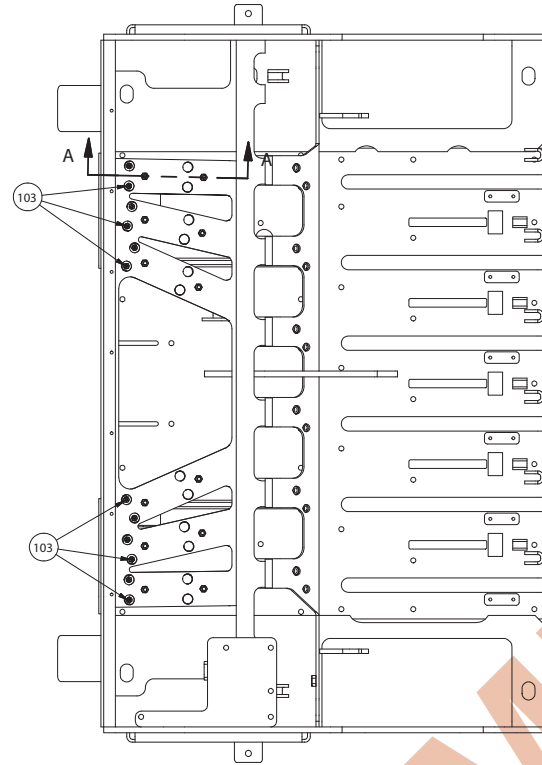


Double Knotter Assembly, Bolt On

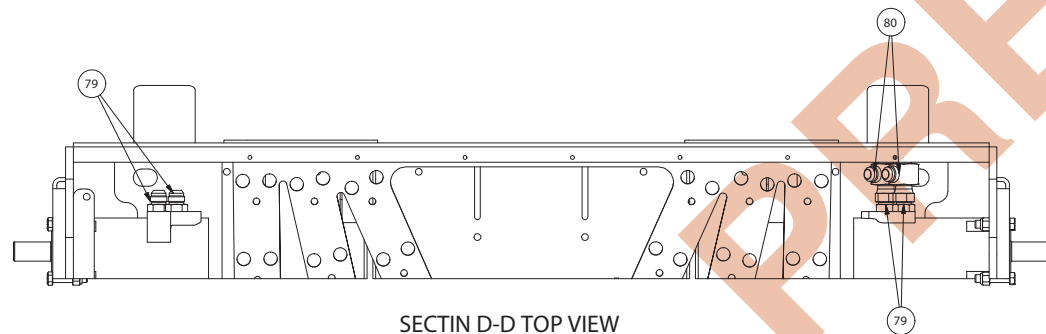
Page 4 of 11



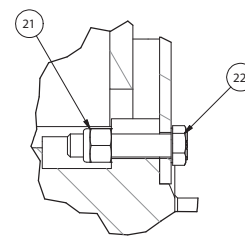
SECTION A-A
(6) PLCS



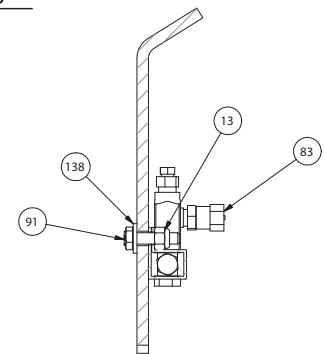
SECTION B-B



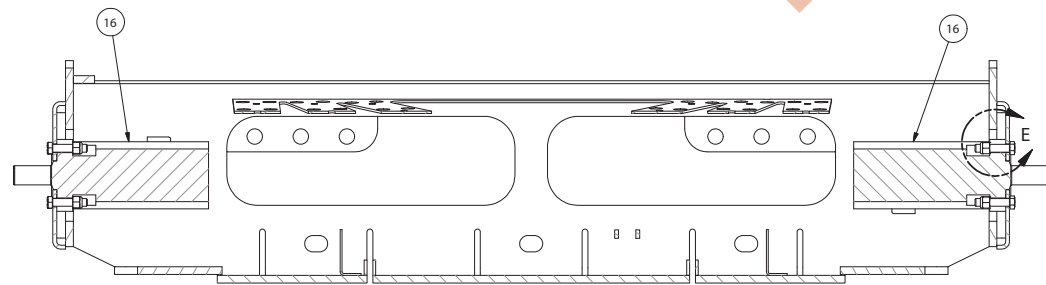
SECTION D-D TOP VIEW



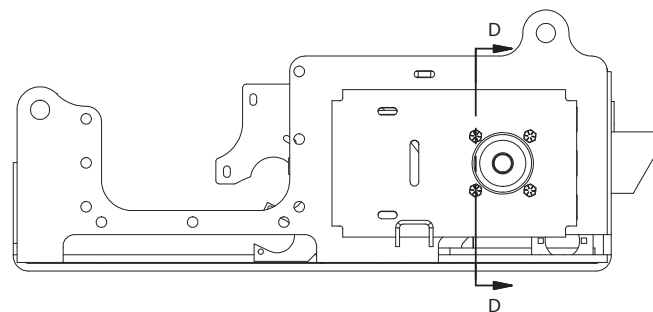
DETAIL E
(8) PLCS



SECTION C-C
(4) PLCS

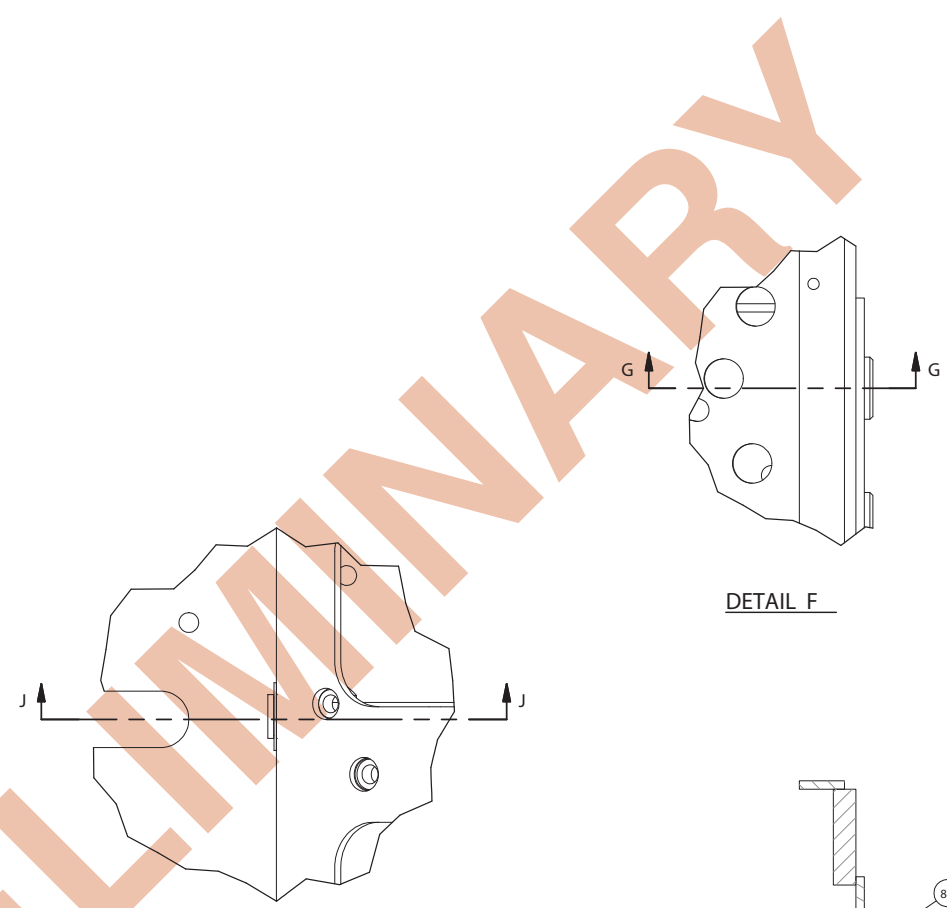
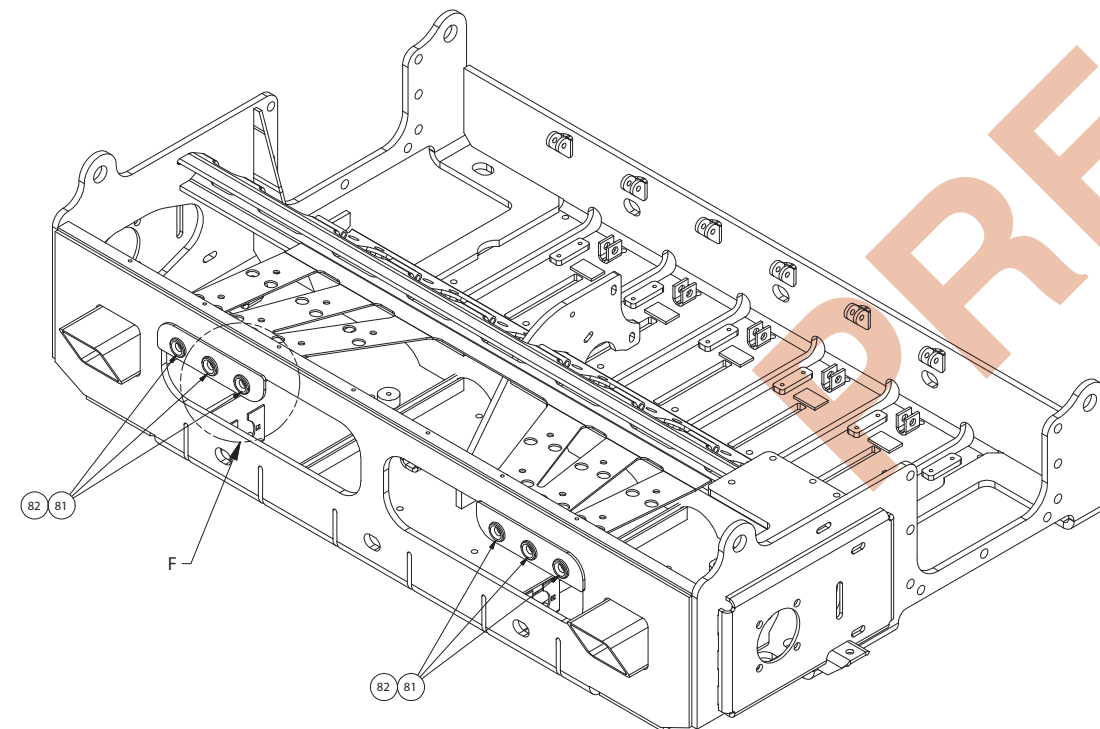
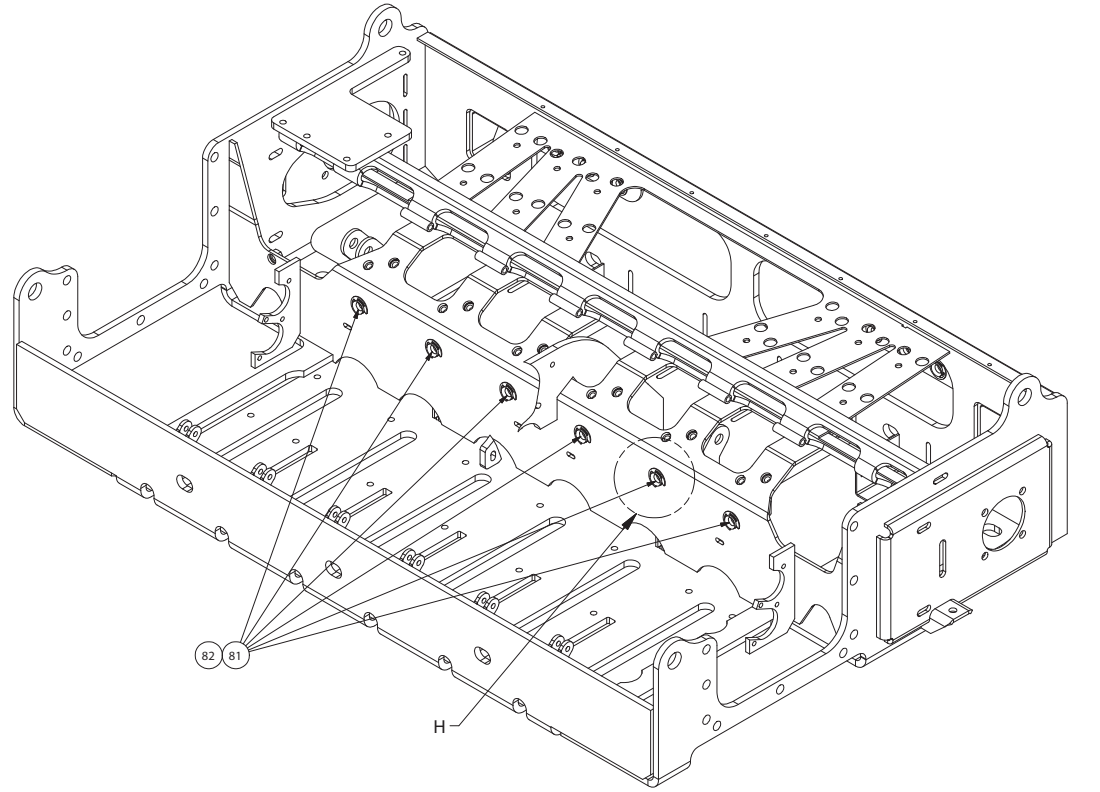


SECTION D-D



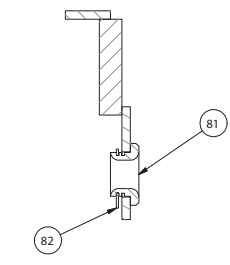
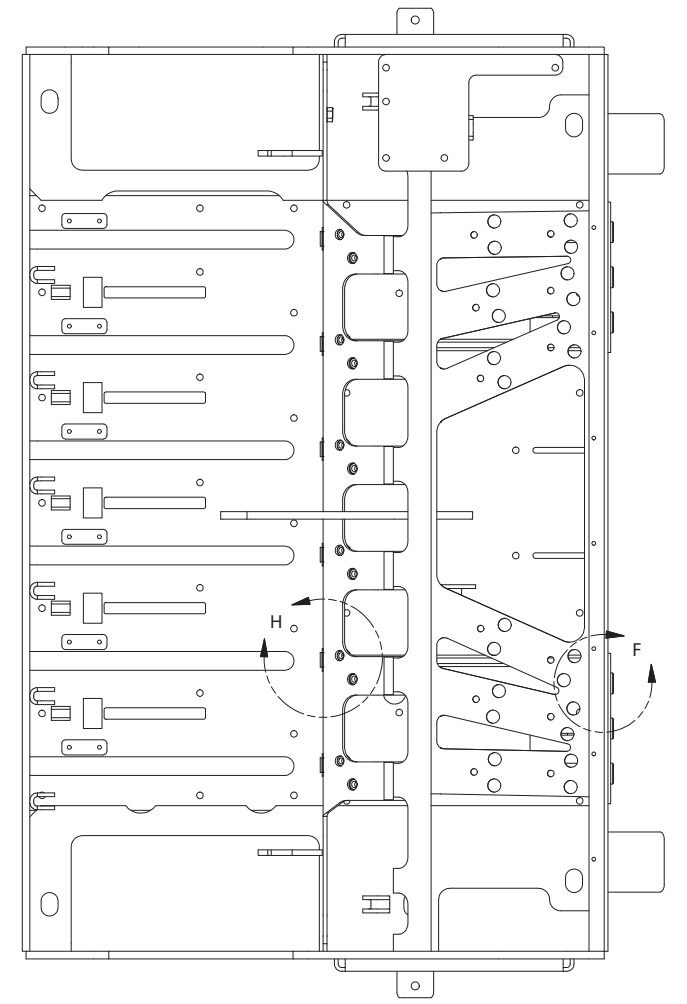
Double Knotter Assembly, Bolt On

Page 5 of 11

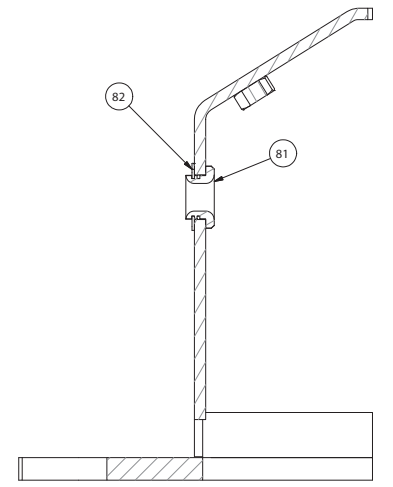


DETAIL H

DETAIL F



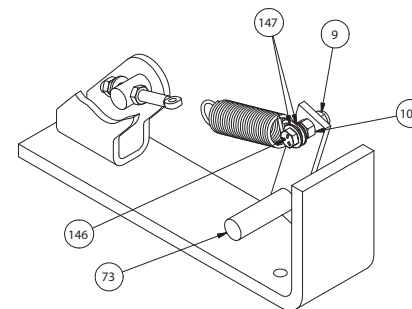
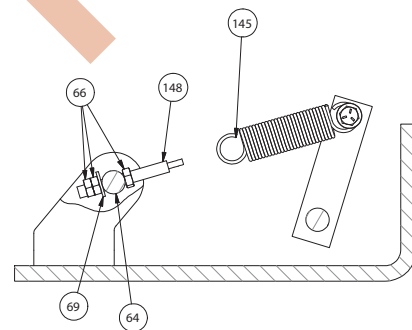
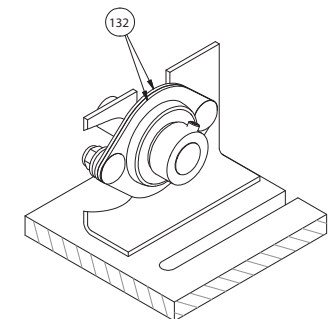
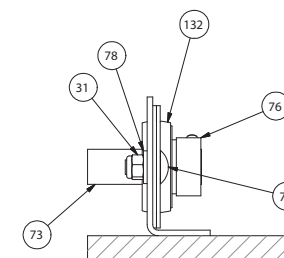
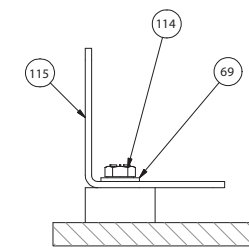
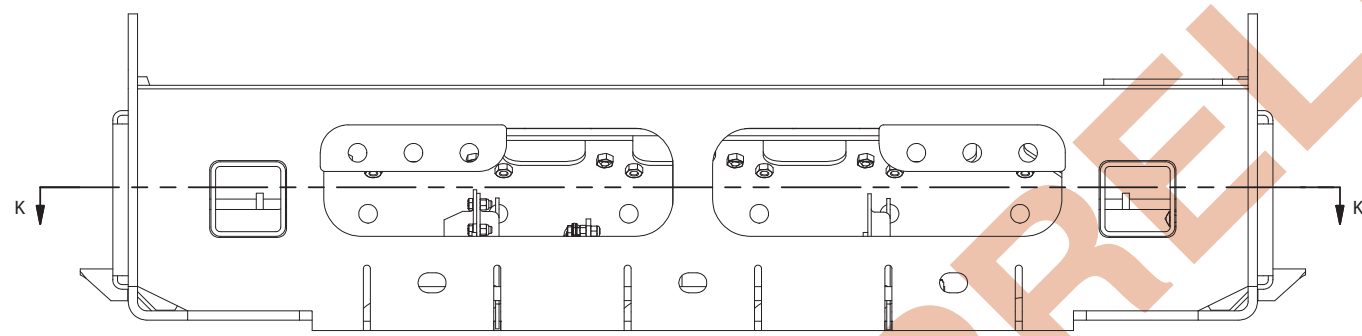
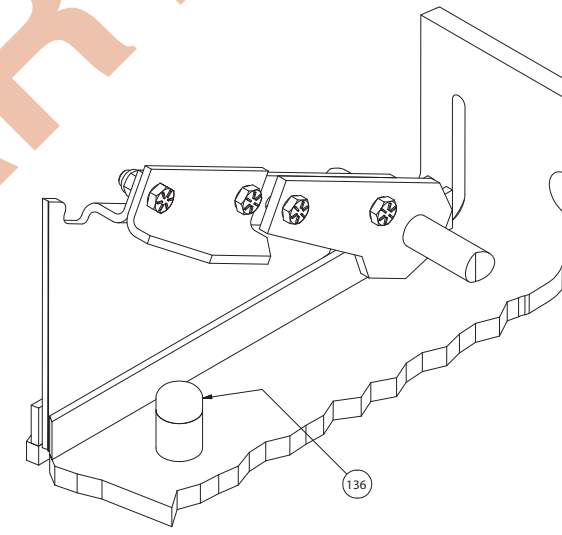
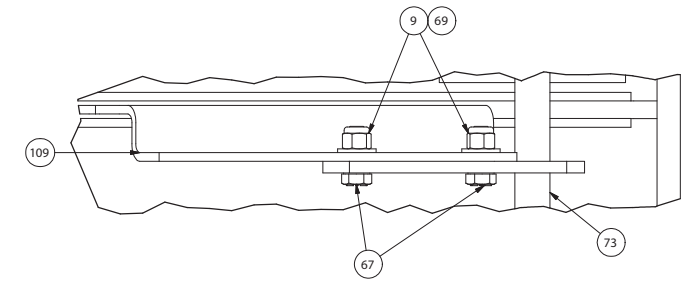
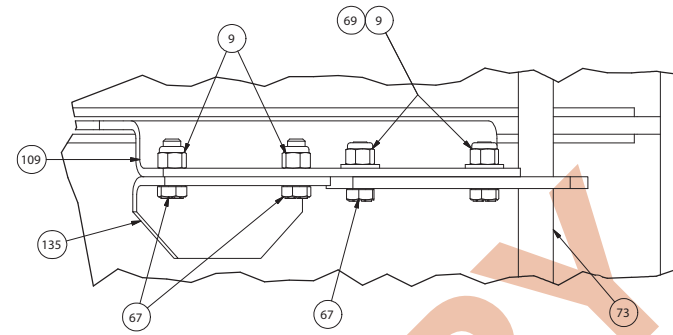
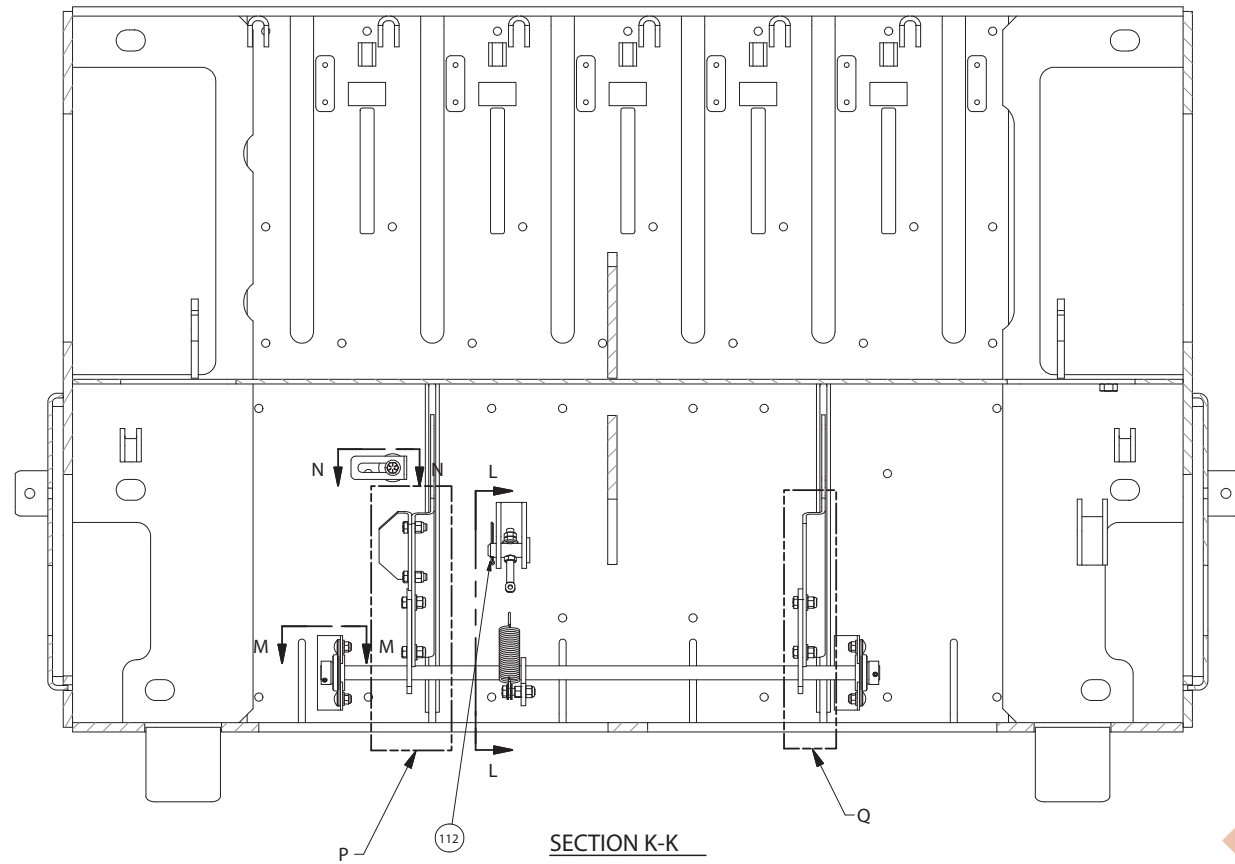
SECTION G-G
(6) PLCS



SECTION J-J
(6) PLCS

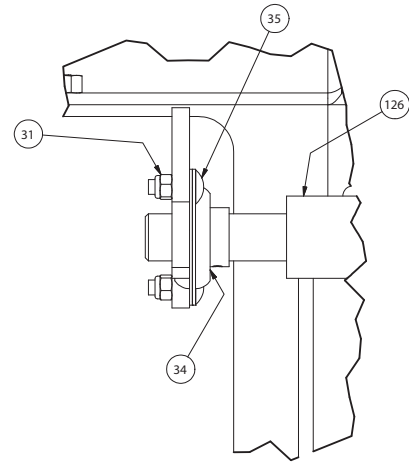
Double Knotter Assembly, Bolt On

Page 6 of 11

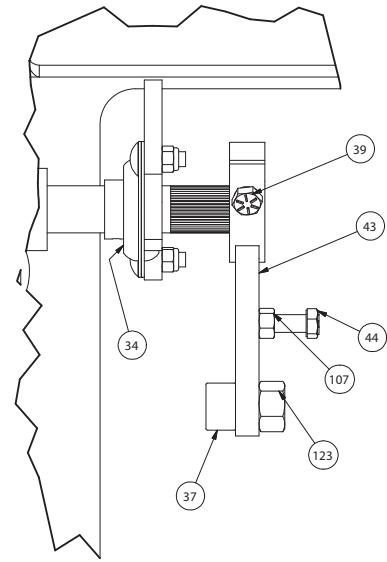


Double Knotter Assembly, Bolt On

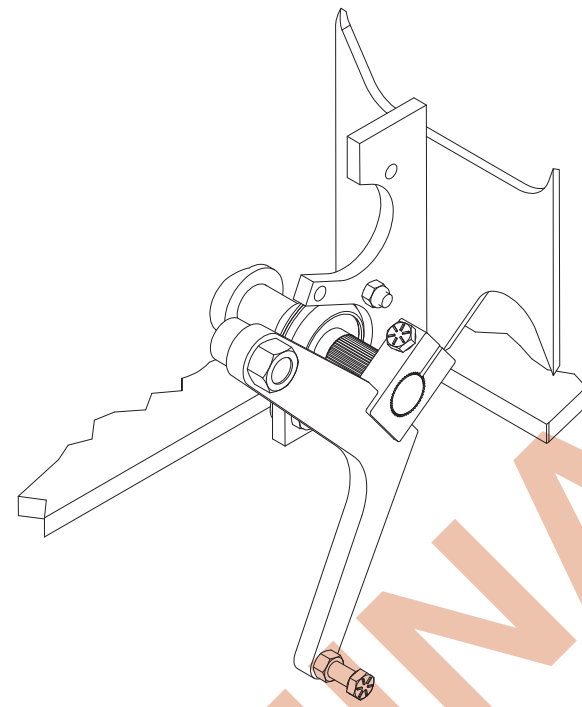
Page 7 of 11



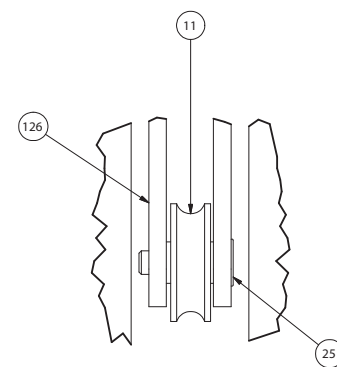
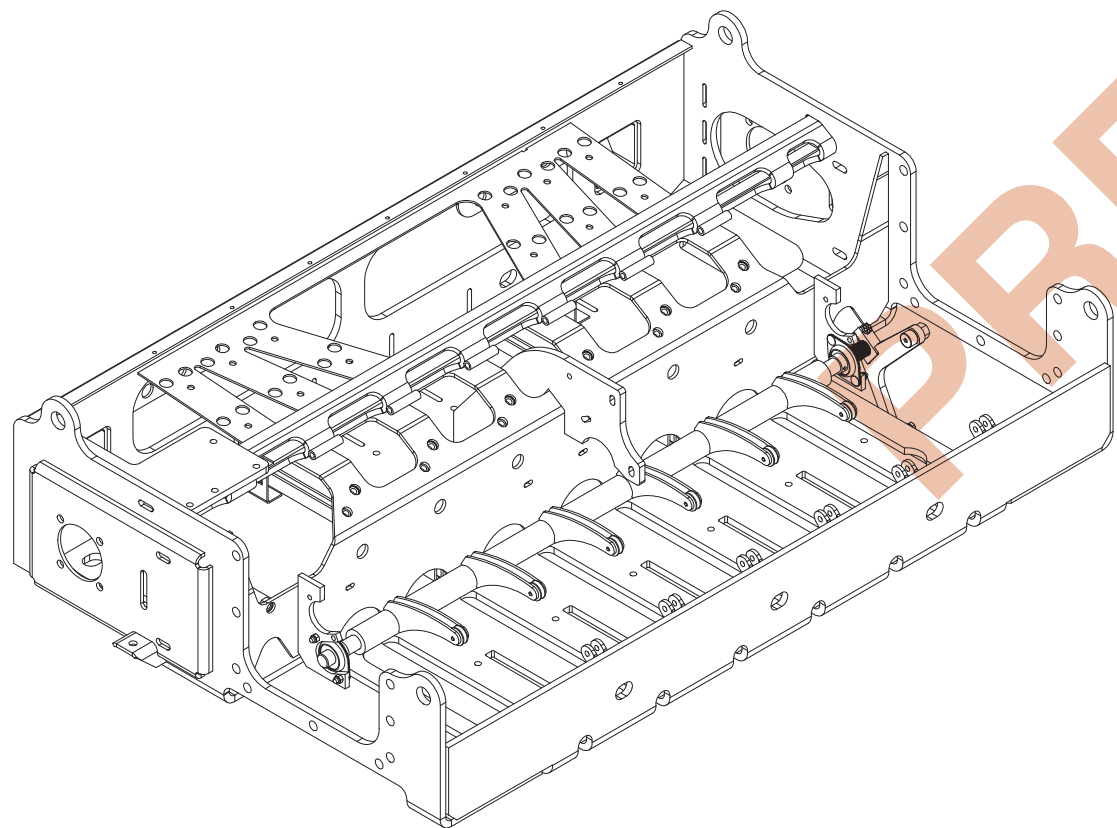
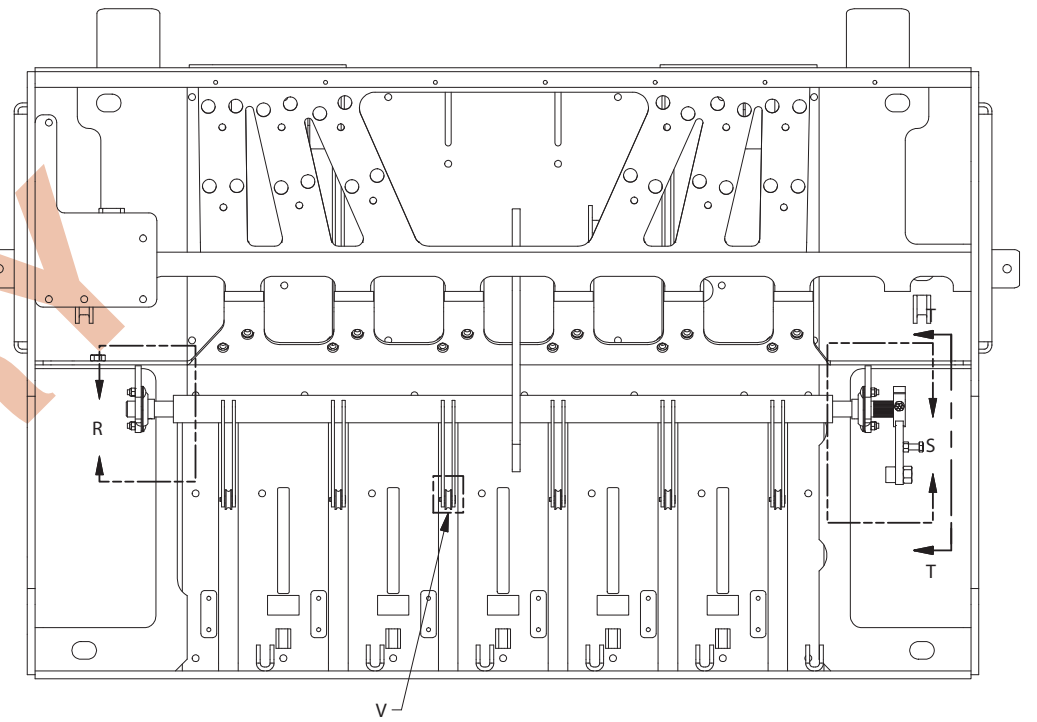
DETAIL R



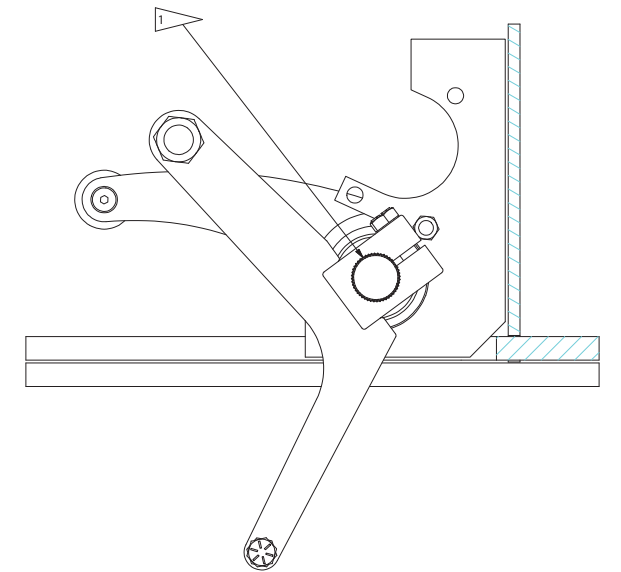
DETAIL S



DETAIL S
ISO



DETAIL V

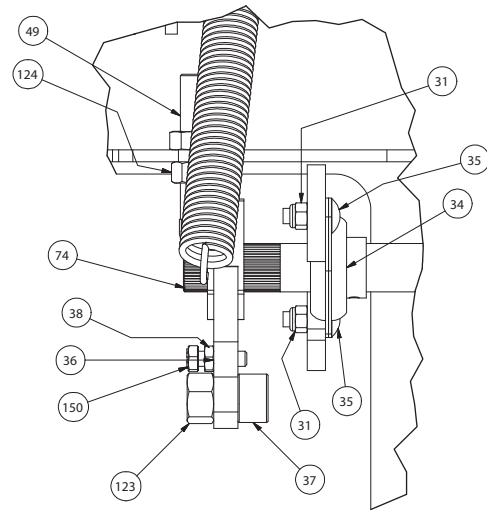


SECTION T-T

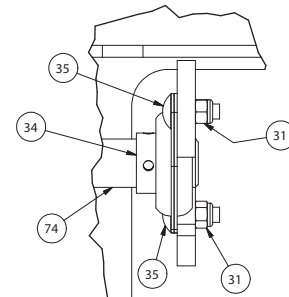
PRELIMINARY

Double Knotter Assembly, Bolt On

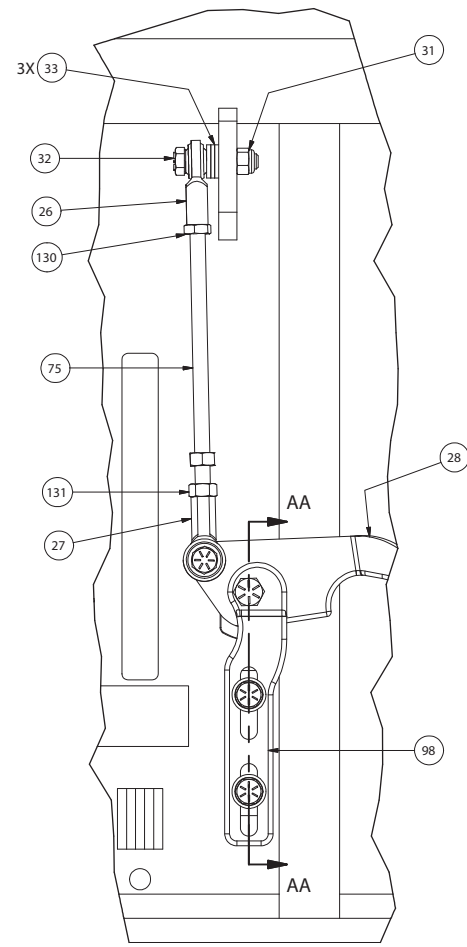
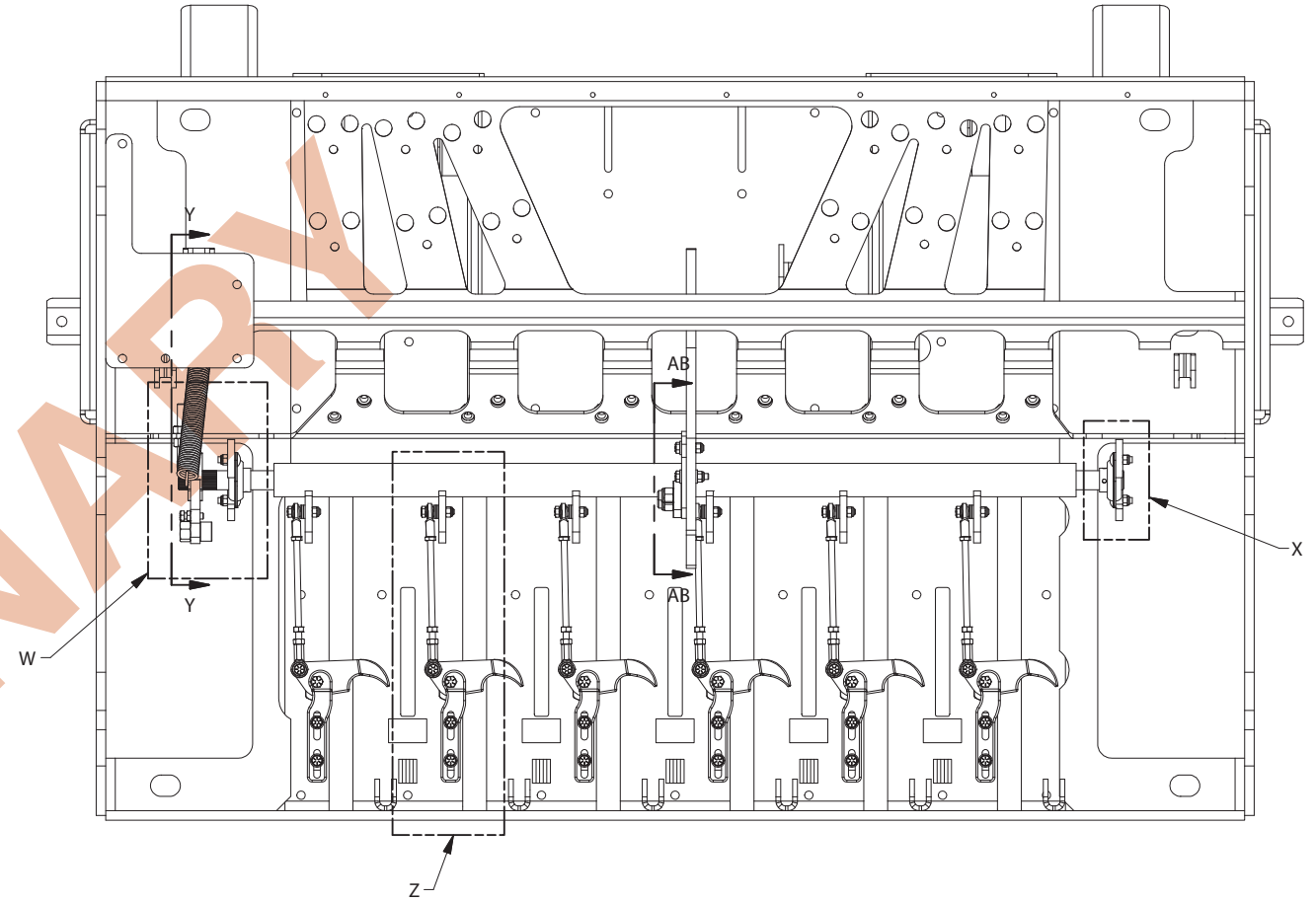
Page 8 of 11



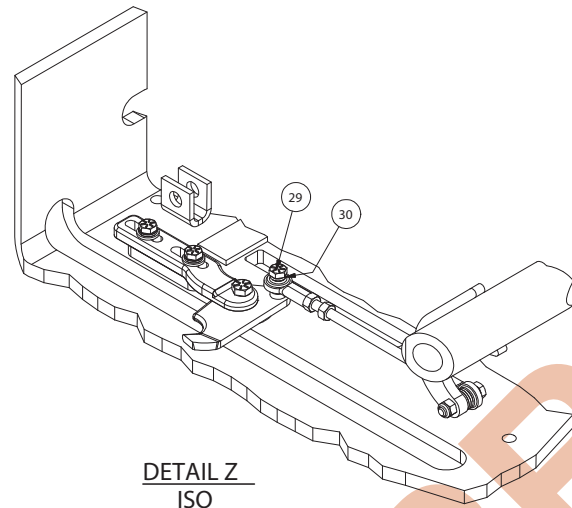
DETAIL W



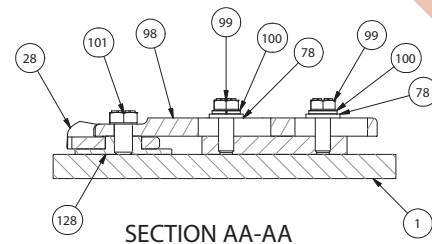
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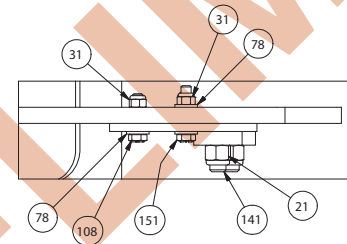
**DETAIL Z
(6) PLCS**



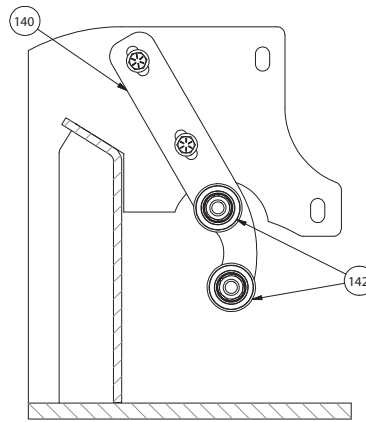
**DETAIL Z
ISO**



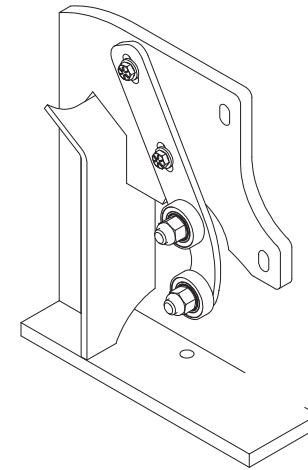
SECTION AA-AA



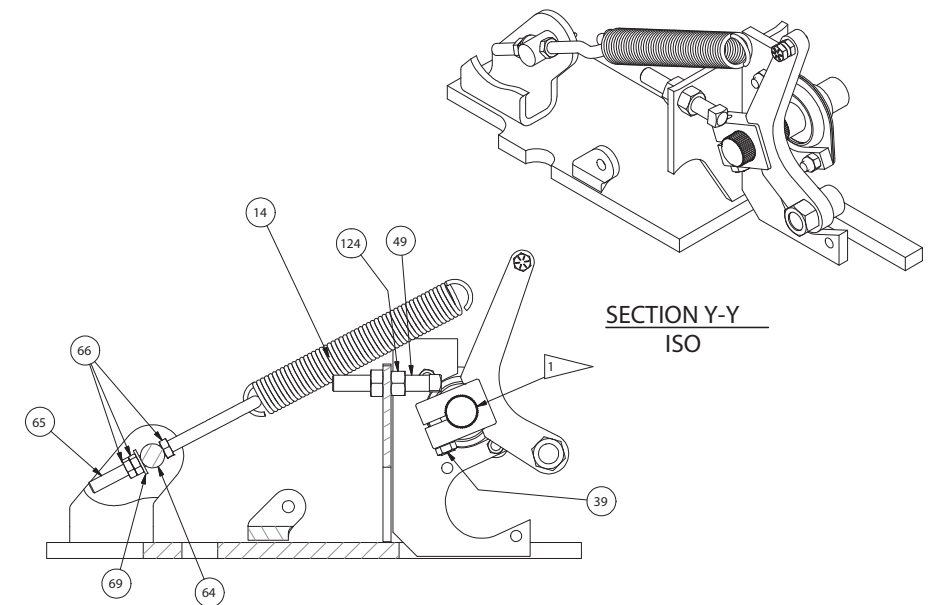
**SECTION AB-AB
TOP VIEW**



SECTION AB-AB



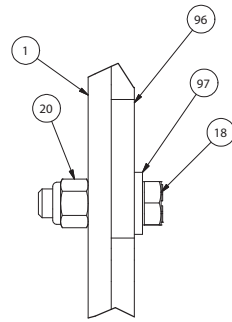
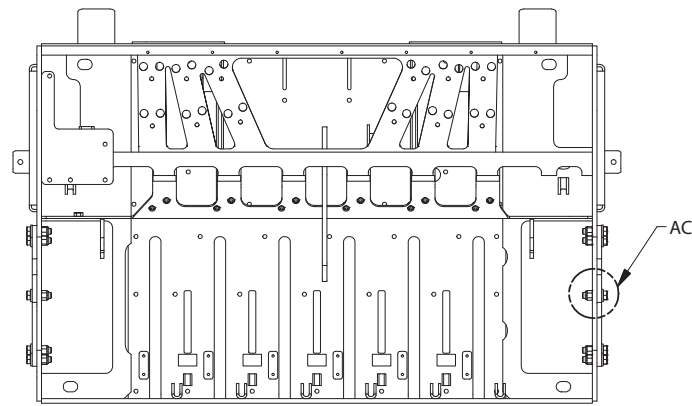
**SECTION AB-AB
ISO**



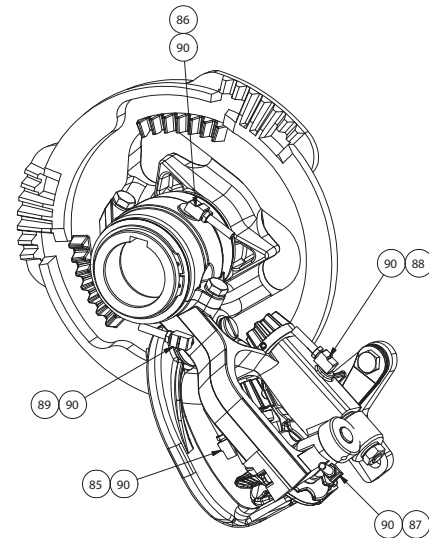
**SECTION Y-Y
ISO**

Double Knotter Assembly, Bolt On

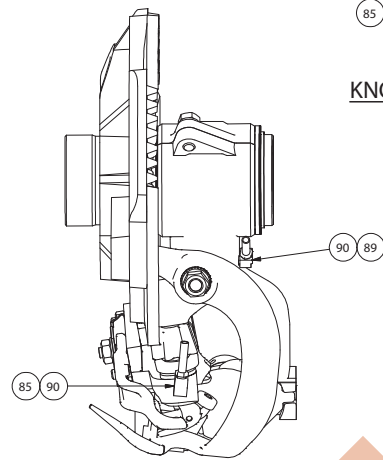
Page 9 of 11



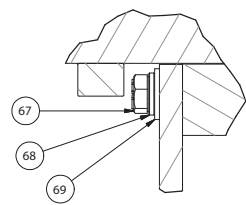
DETAIL AC
(18) PLCS



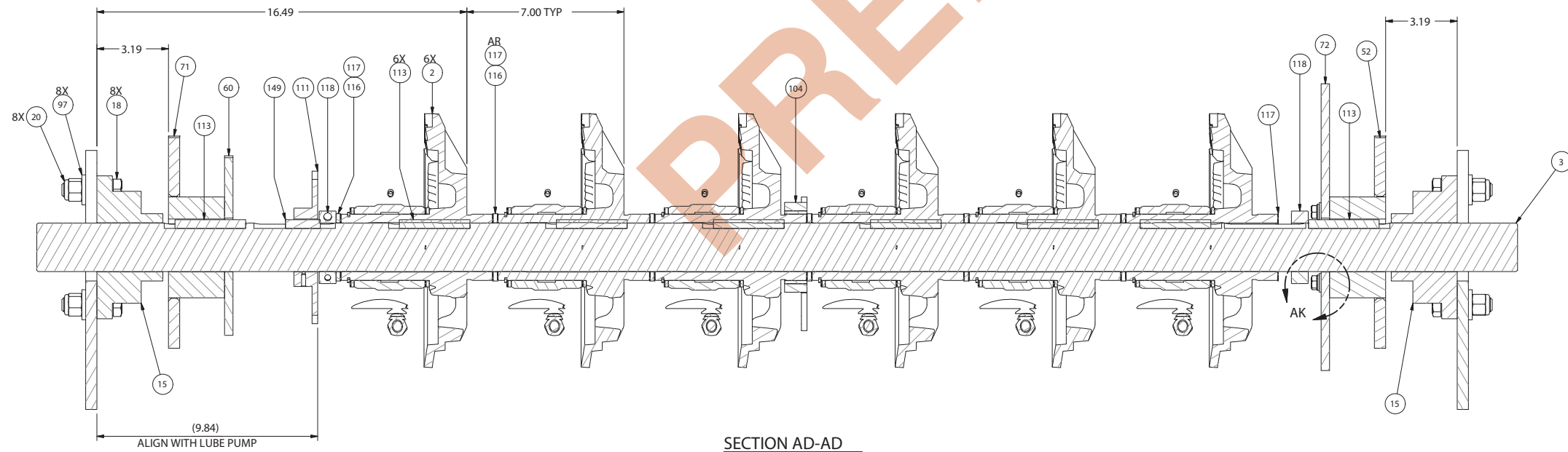
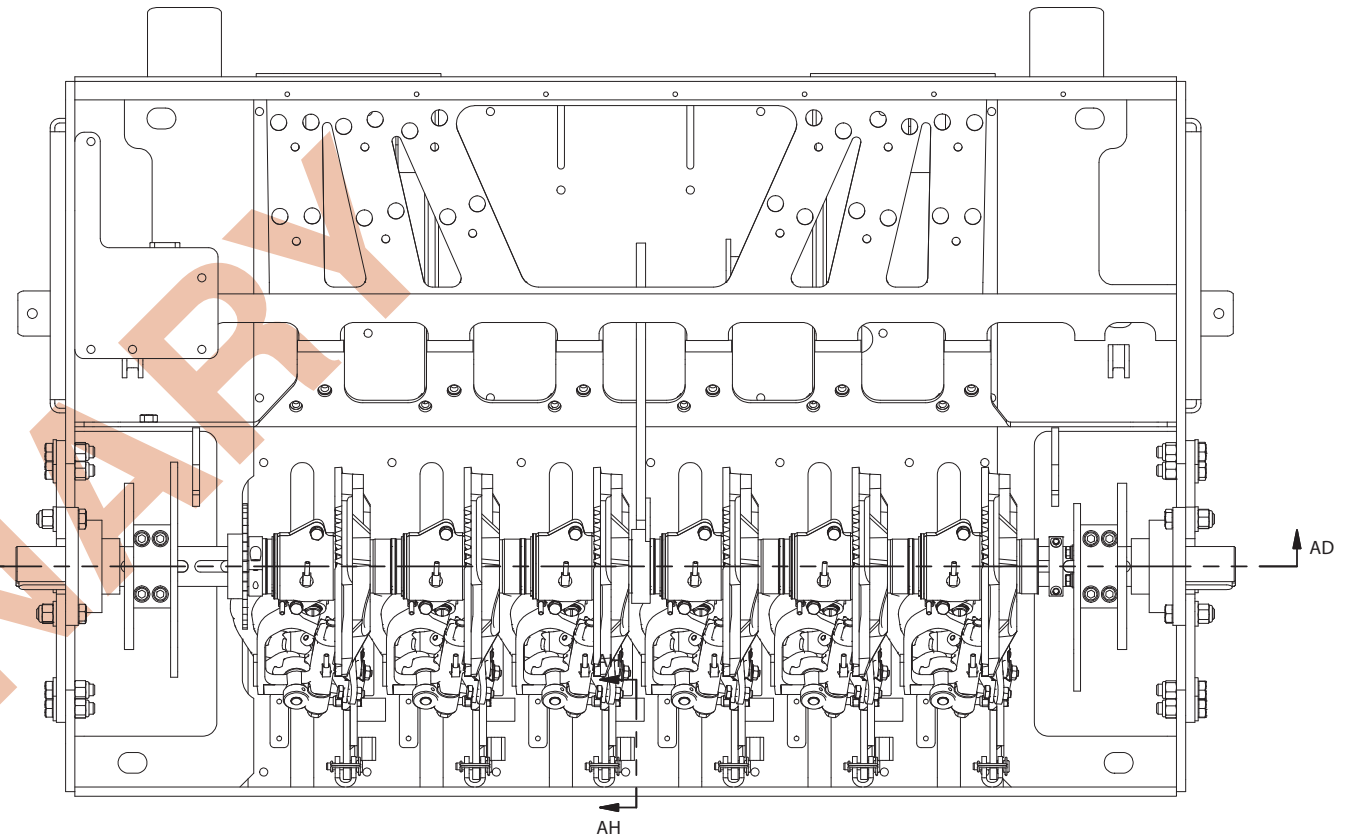
KNOTTER LUBE LINES
(6) PLCS



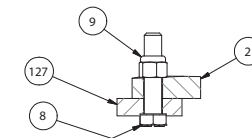
KNOTTER LUBE LINES
(6) PLCS



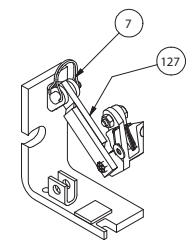
DETAIL AK
(8) PLCS



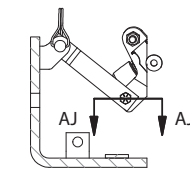
SECTION AD-AD



SECTION AJ-AJ



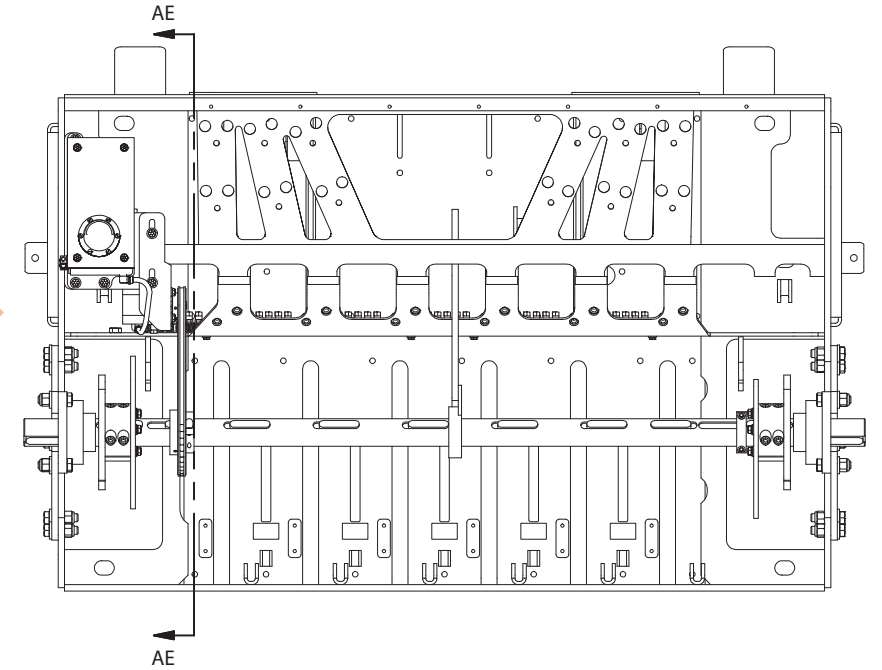
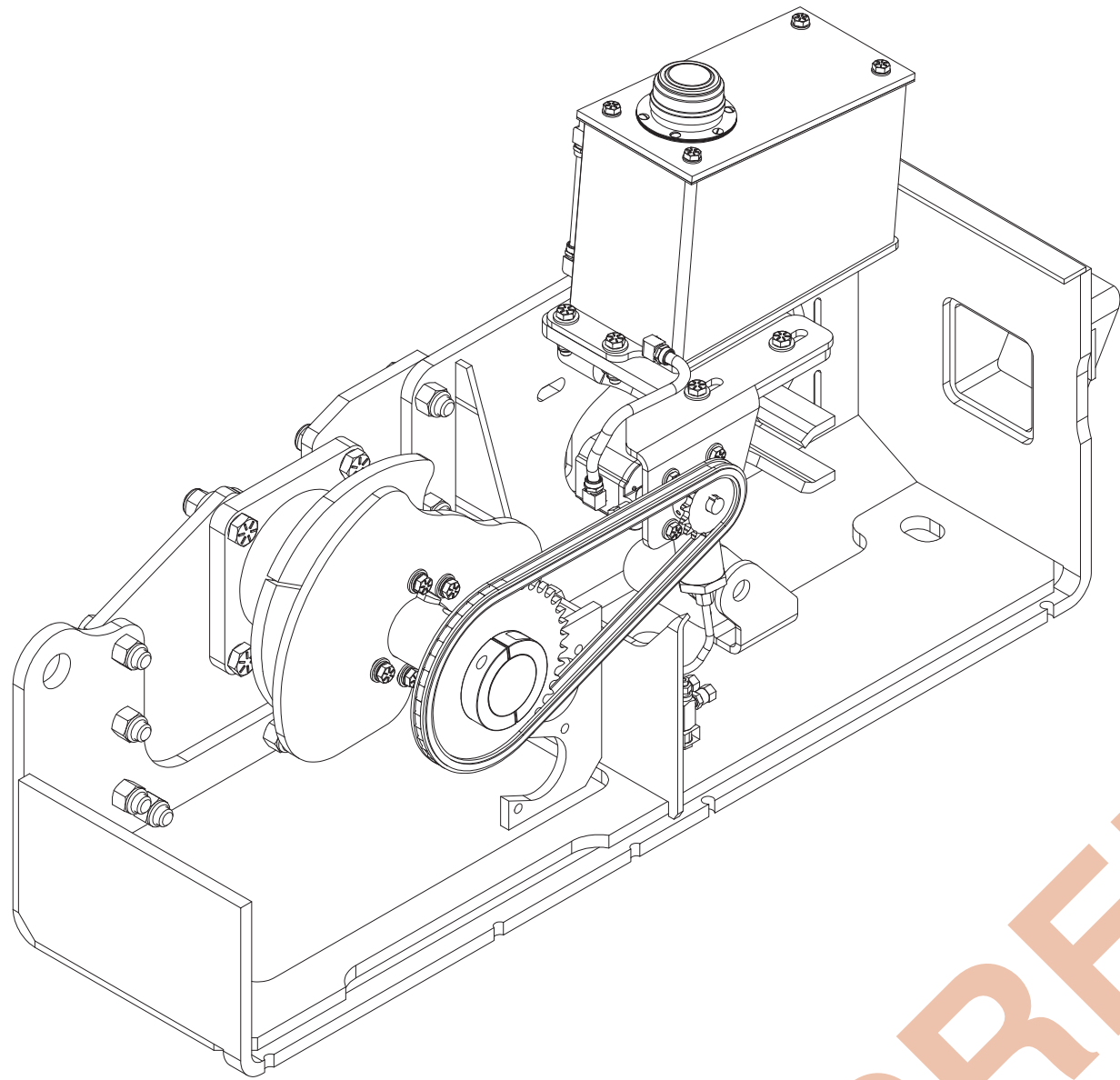
SECTION AH-AH
ISO



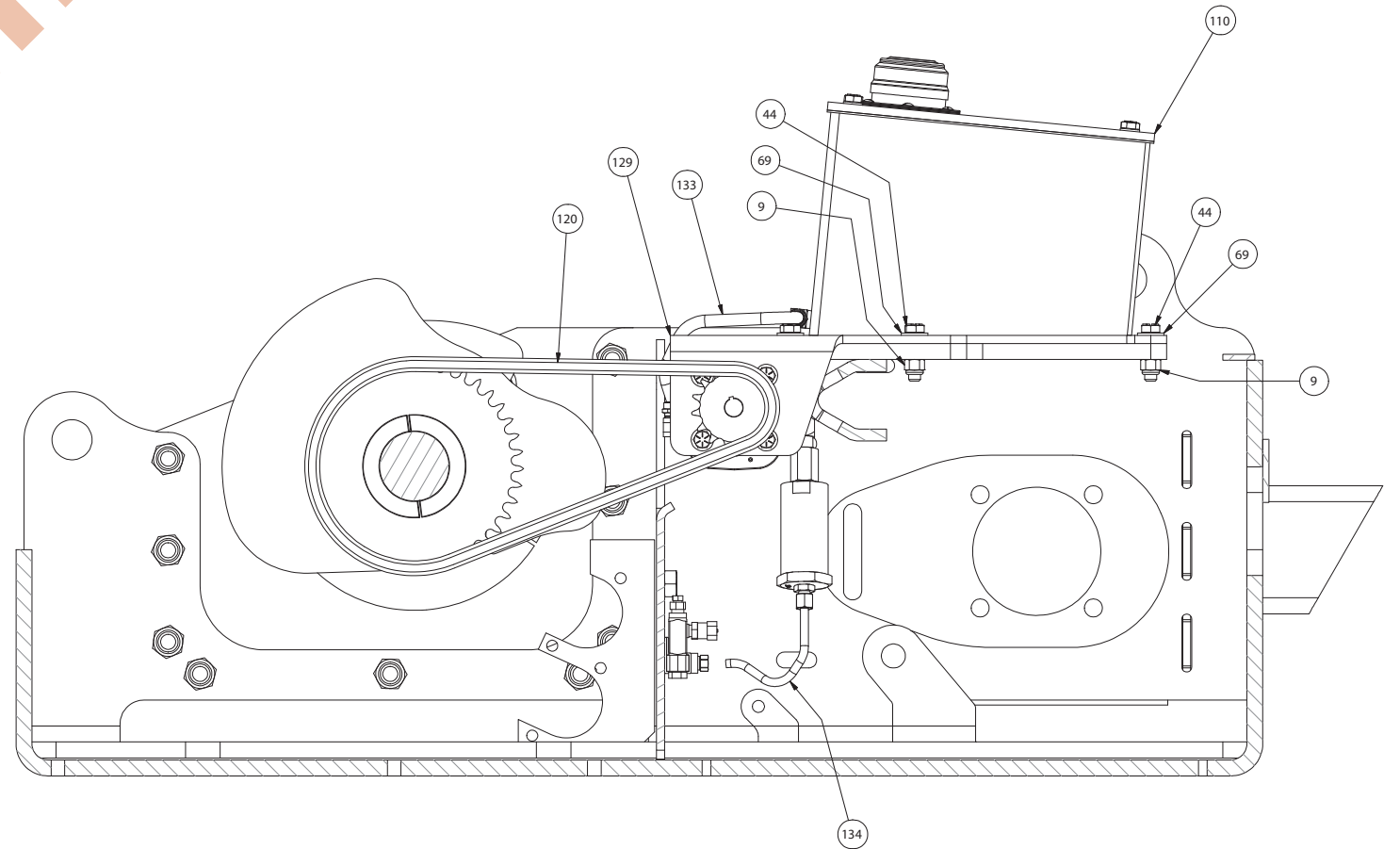
SECTION AH-AH
(6) PLCS

Double Knotter Assembly, Bolt On

Page 10 of 11



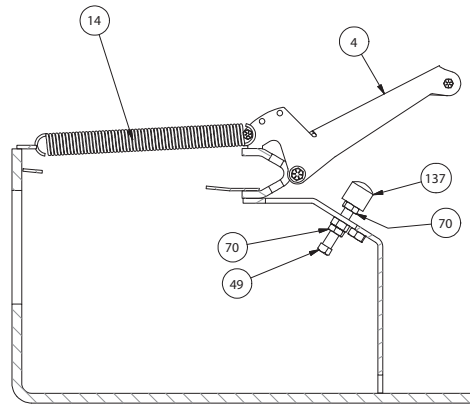
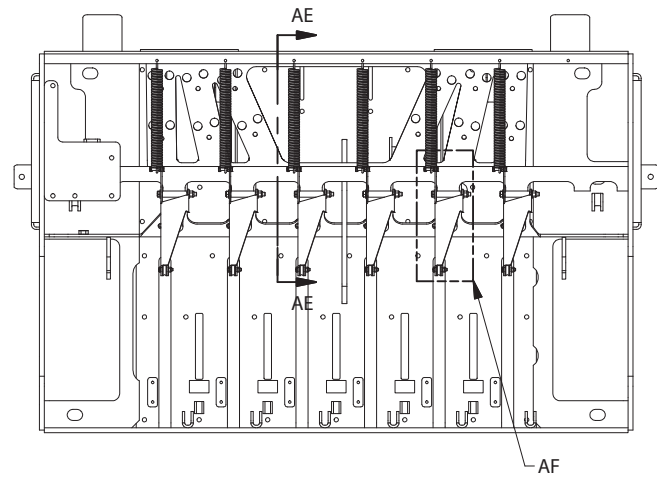
PRELIMINARY



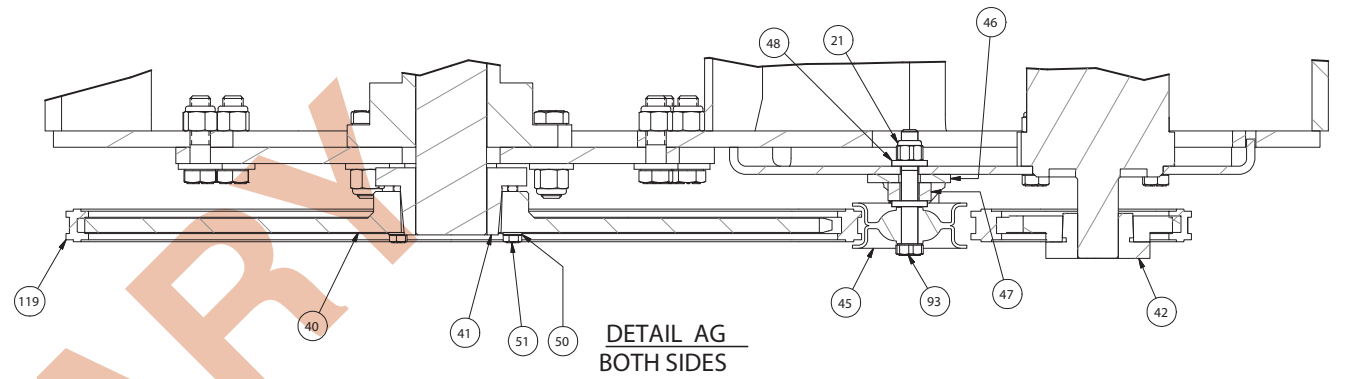
SECTION AE-AE

Double Knotter Assembly, Bolt On

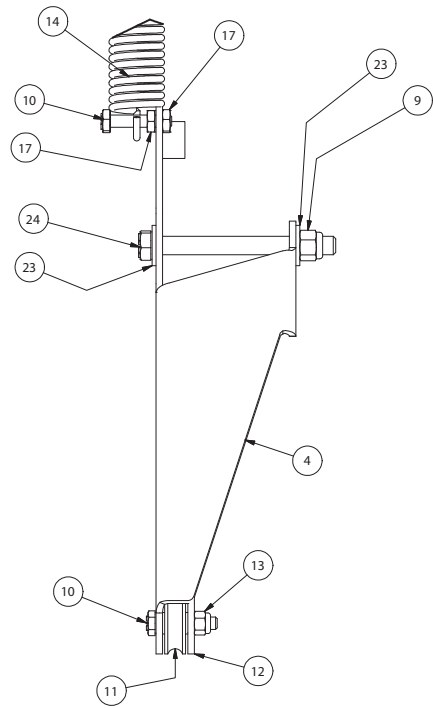
Page 11 of 11



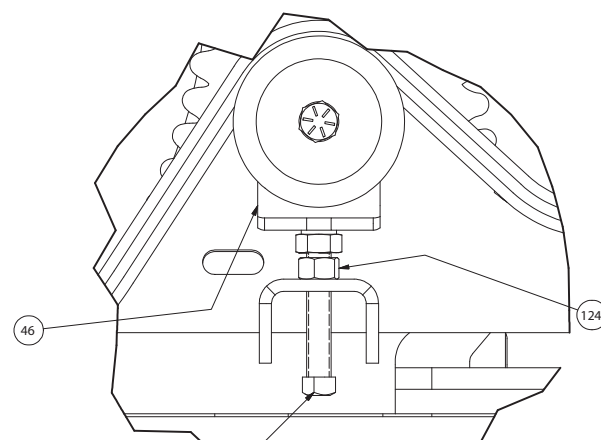
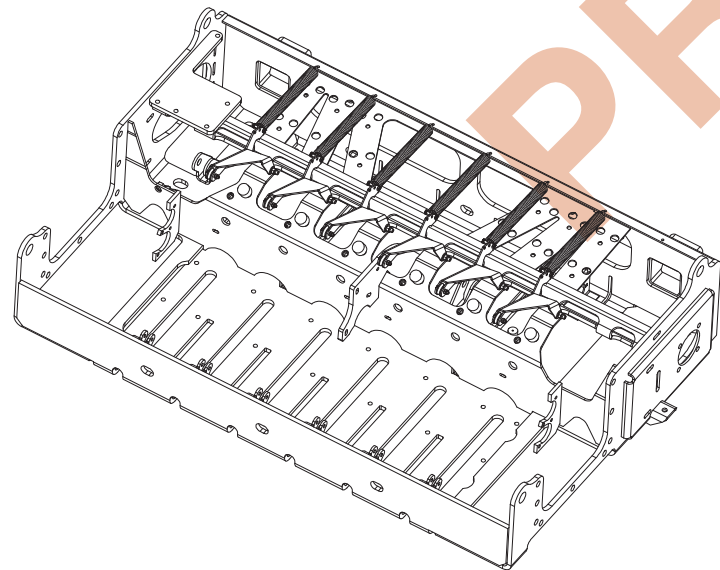
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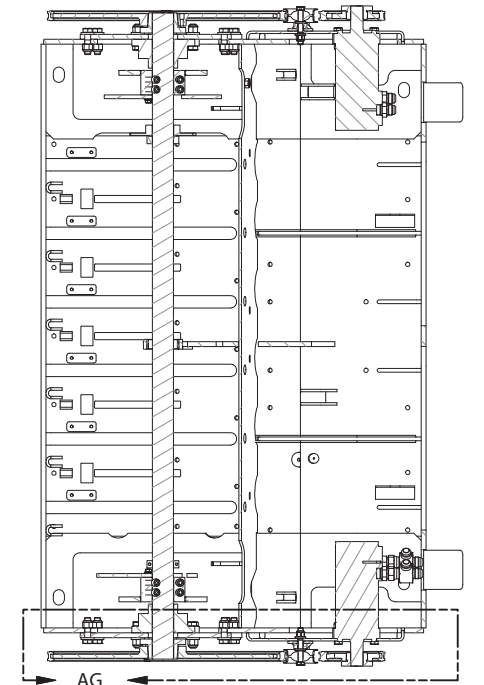
DETAIL AG
BOTH SIDES



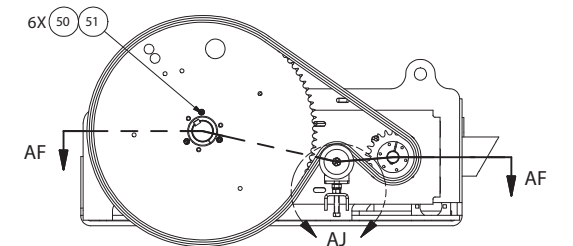
DETAIL AF



DETAIL AJ
BOTH SIDES



SECTION AF-AF



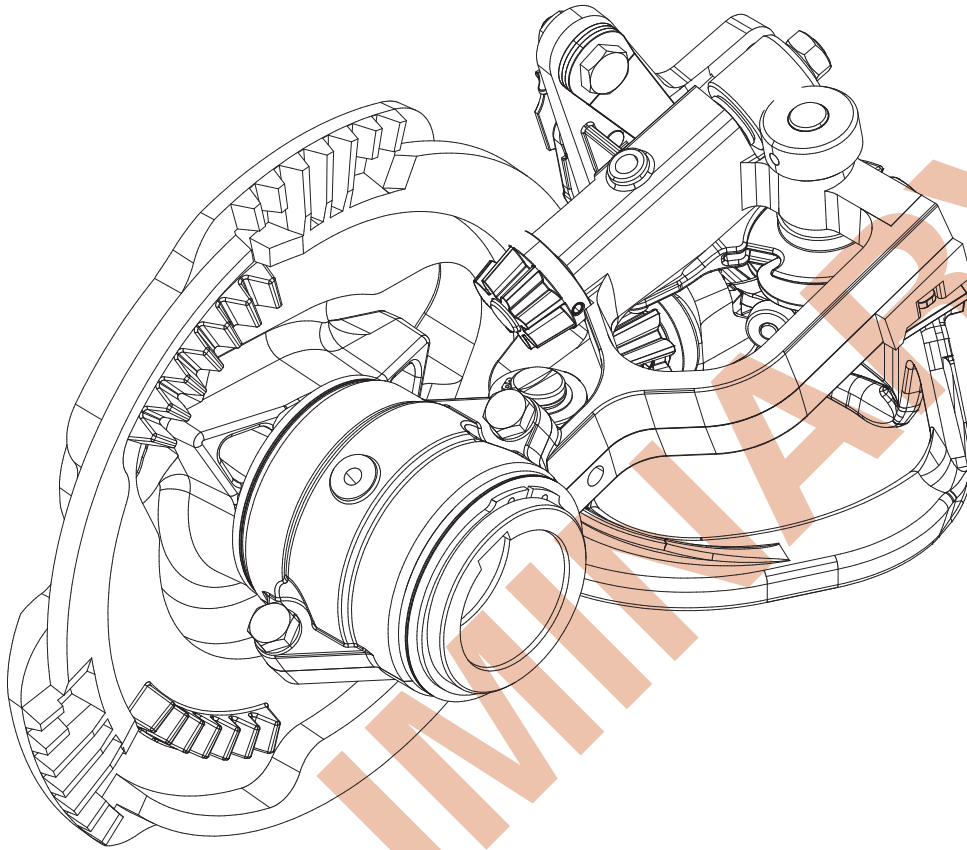
PRELIMINARY

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PRELIMINARY

Double Knotter Assembly, W/Roller

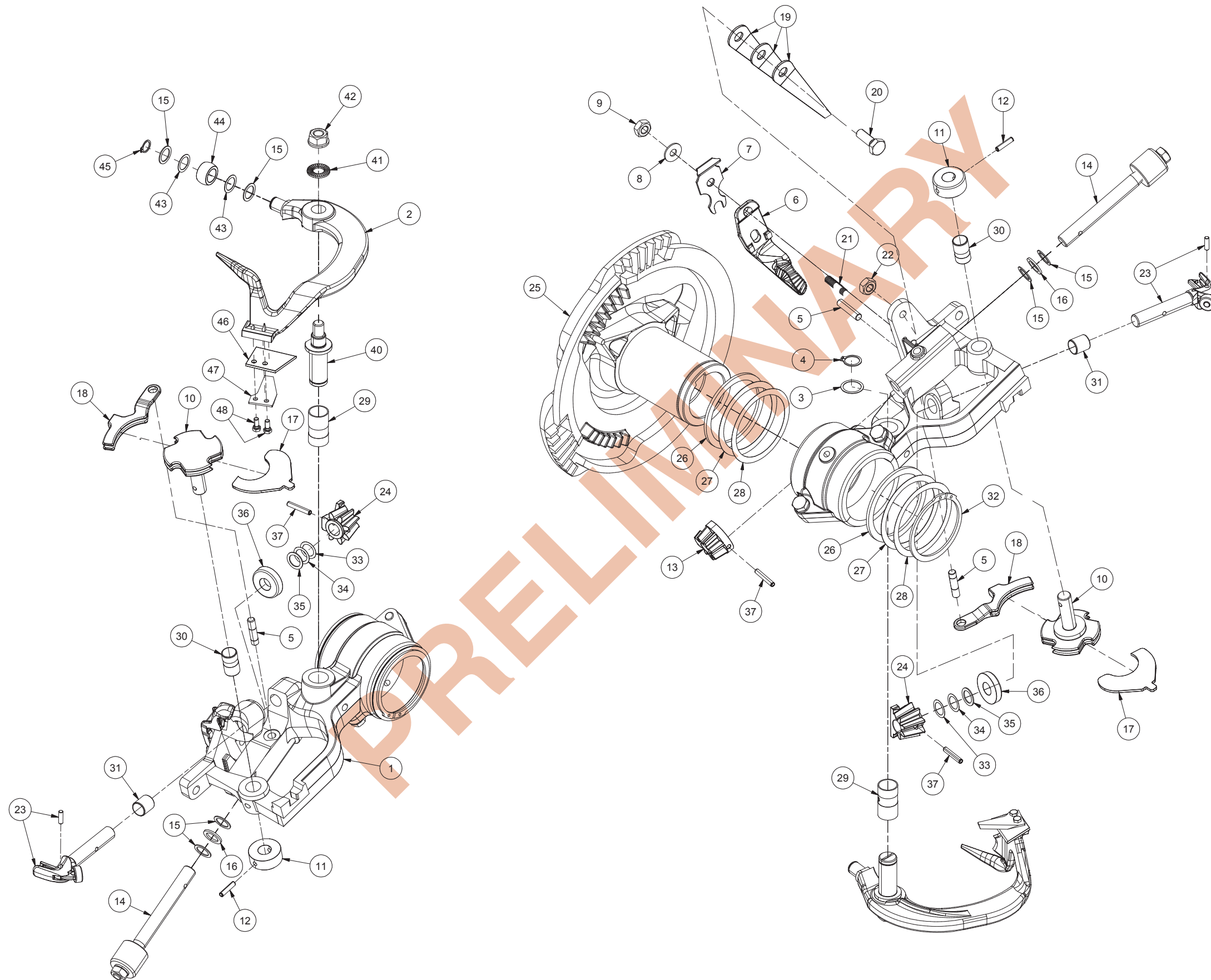
Page 1 of 2



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	257971		Double Knotter Assy W/Roller				
1	RS20061311	1	Double Knotter Frame	24	257606	1	Short Bill Hook Pinion
2	RS20661231	1	Double Knotter Knife Arm	25	RS20561321	1	Double Knotter Cam Gear
3	F000007860	1	Washer, Knife Arm	26	RS20661070	AR	Double Knotter Washer
4	F000007976	1	Snap Ring F/Knife Arm Shaft	27	RS20661080	AR	Double Knotter Washer
5	RS03451926	2	Pin F/Twine Holder	28	RS20661090	2	Double Knotter Adjust Washer
6	RS20632030	1	Double Knotter Jaw Cam	29	RS00602201	1	Knife Arm Bushing
7	F000007947	1	Double Knotter Hook Cam Adjusting Spg	30	RS00006003	1	Twine Disc Bushing
8	223428	1	Washer, Flat	31	RS00006002	1	Bill Hook Bushing
9	RS33110851	1	Double Knotter Nut	32	RS20661060	1	Double Knotter Circlip
10	RS26531311	1	Double Knottertwine Disc Assy.	33	257607	AR	Needle Roller Shim
11	F000007871	1	Twine Holder Disc Worm Pinion	34	257608	AR	Needle Roller Shim
12	RS05227344	1	Spiral Pin F/Knotter Gears	35	257609	AR	Needle Roller Shim
13	RS20661260	1	Double Knotter Worm Gear Pinion	36	257605	1	Needle Roller
14	RS20637801	1	Double Knotter Worm Shaft Assy.	37	253271	2	Spiral Pin F/Knotter Gears
15	F000008280	AR	1 mm Washer Worm Shaft & Knife Arm	40	RS20637724	1	Knife Arm Pin Only
16	F000000658	AR	14 Ga. Knotter Worm Washer	41	RS20661120	1	Washer, Lock; For Knife Arm Pin
17	F000007870	1	Double Knotter Cleaner	42	RS331112051	1	Nut, For Knife Arm Pin
18	RS20637841	1	Double Knotter Twine Holder	43	RS00010500	2	.5 mm Washer Worm Shaft & Knife Arm
19	F000008052	3	Twine Holder Spring	44	F000008274	1	Roller, Knife Arm
20	Y09C-M1030	1	Capscrew	45	F000008275	1	Snap Ring F/Knife Arm Shaft
21	F000007948	1	Knot Hook Cam Adjusting Screw	46	RS20621360	1	Double Knotter Knife Support Spacer
22	NCHM010150	1	Nut, Hex	47	RS20644360	1	Double Knotter Twine Knife
23	RS20661280	1	Double Knotter Bill Hook Assy.	48	RS30501651	2	Double Knotter Twine Knife Bolt

Double Knotter Assembly, W/Roller

Page 2 of 2

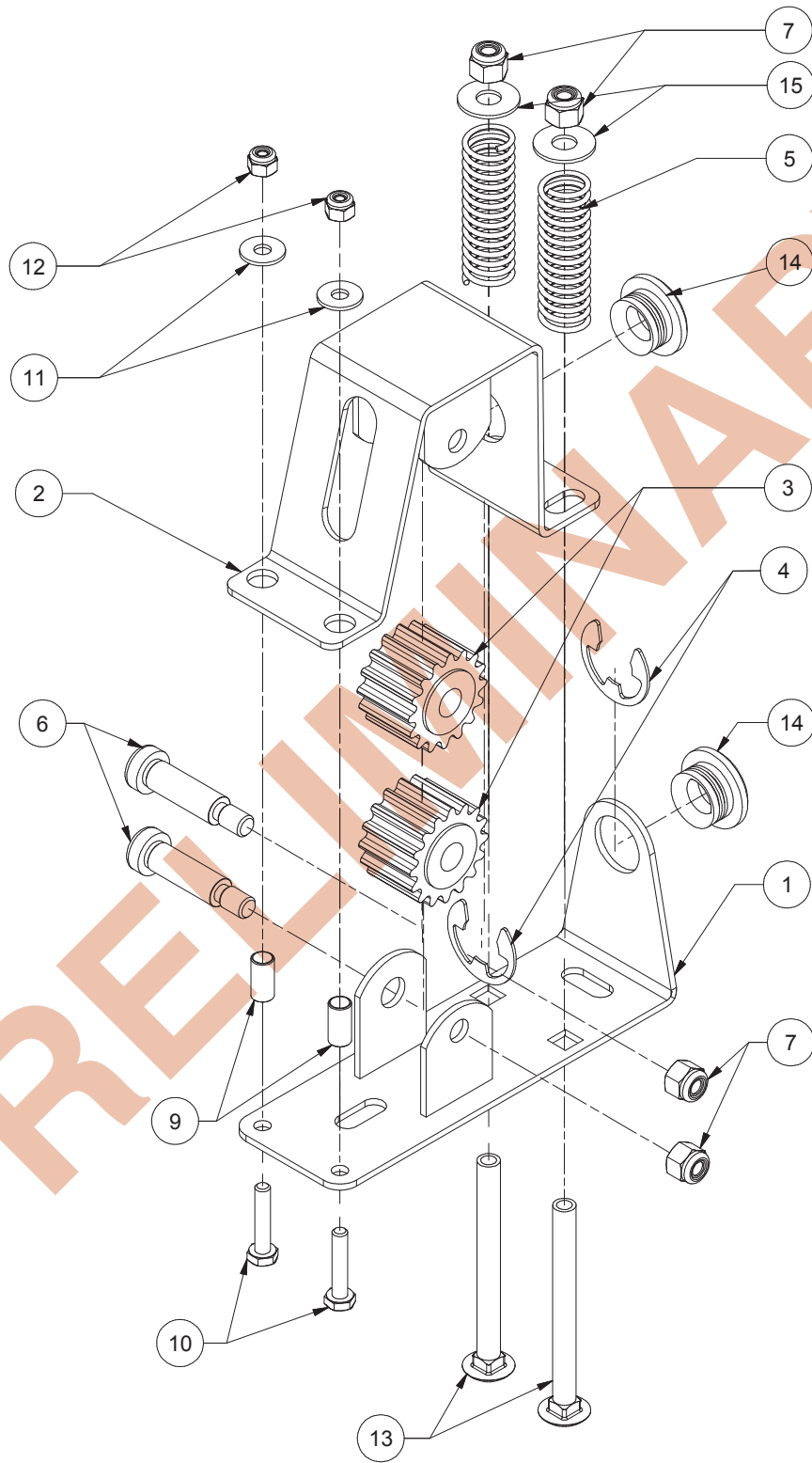


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PRELIMINARY

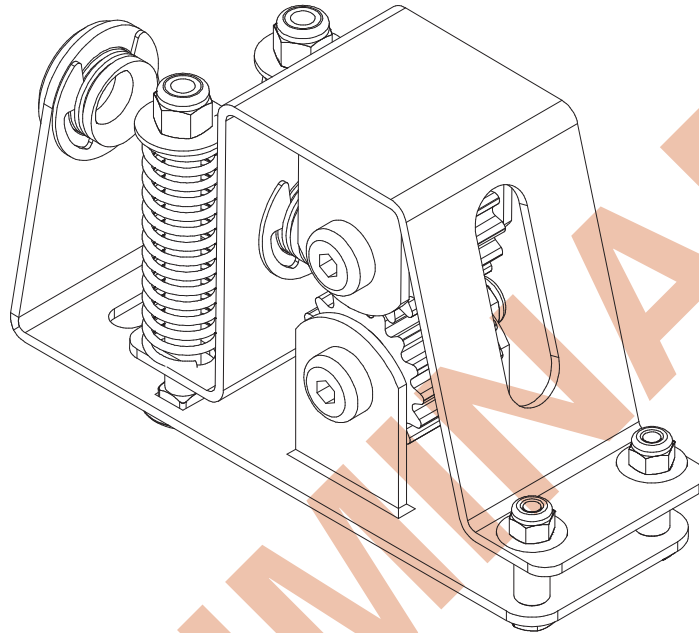
Tensioner Assembly

Page 1 of 2



Tensioner Assembly

Page 2 of 2

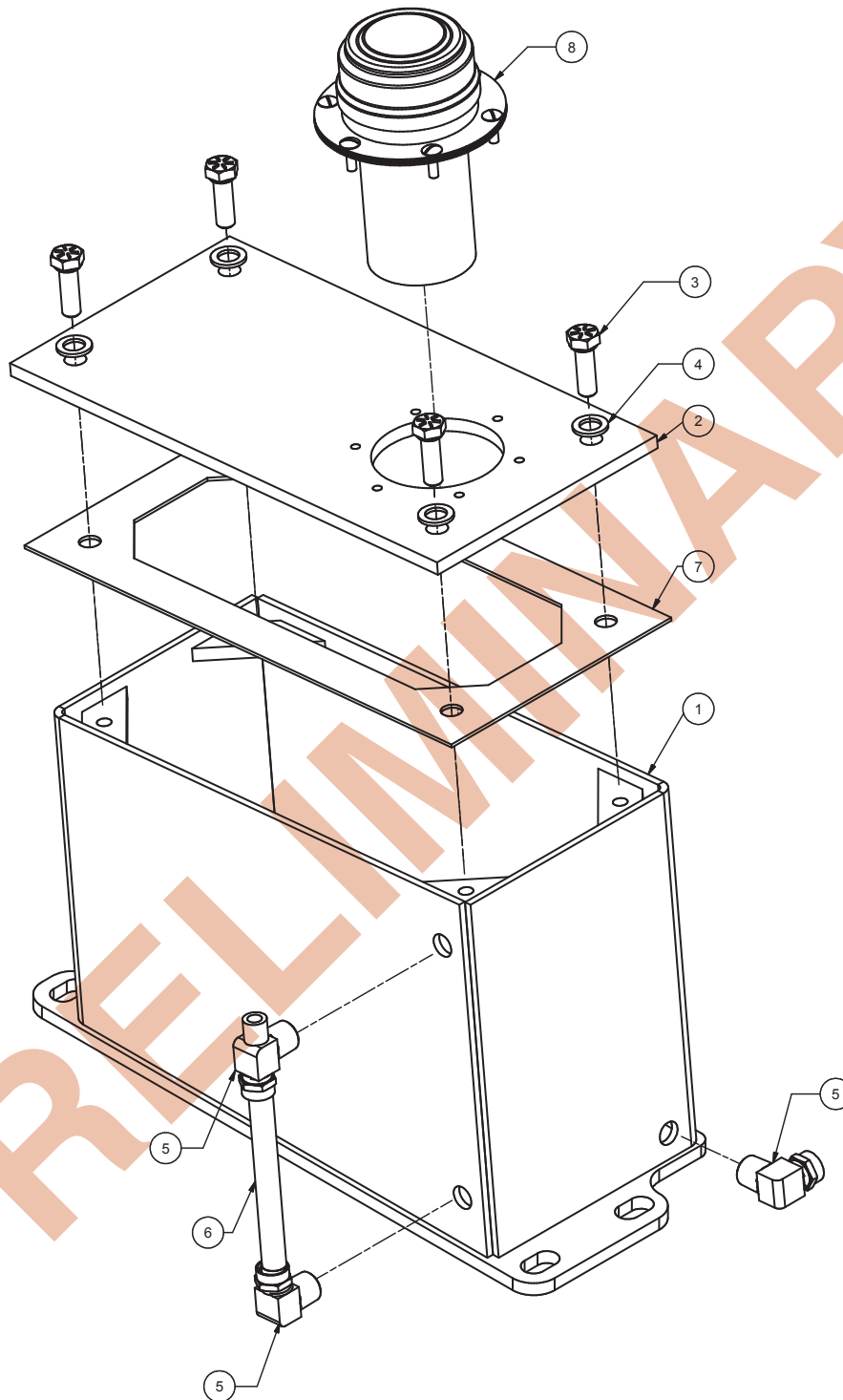


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	TNS0035148		Tensioner Assembly				
1	FRM0035143	1	. Frame, Lwr	9	SPC0035139	2	. Tube
2	FRM0035141	1	. Frame, Upr	10	R13801782	2	. Capscrew
3	ROL0035138	2	. Twine Tensioner Roller	11	R13811443	2	. Flat Washer
4	F000000857	2	. Ring, Snap	12	235620	2	. Nut, Esna
5	SPG0750350	2	. Compression Spring	13	CRB3754000	2	. Bolt, Carr
6	SMS5001500	2	. Shoulder Bolt	14	F000000856	2	. Bushing
7	237567	4	. Nut, Esna	15	223427	2	. Flat Washer

Rev D

Tank Assembly, Luber

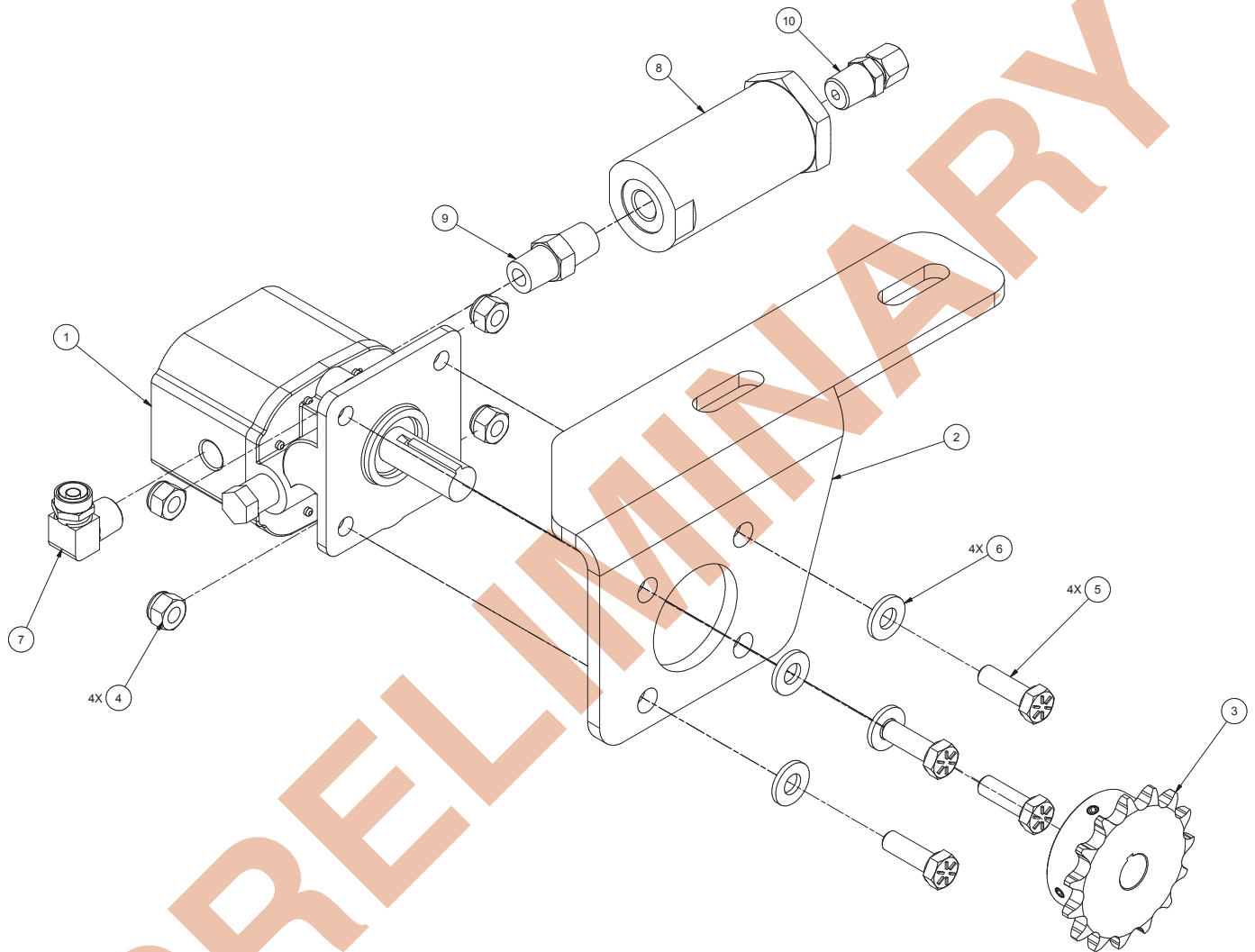
Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905985		Tank Assembly				
1	905978	1	. Tank, Luber	5	F000008209	3	. Male Elbow
2	905982	1	. Cover Plate	6	TUB0000650	1'	. Tube
3	R13811014	4	. Capscrew	7	905983	1	. Plate, Gasket
4	214479	4	. Seal	8	FIL0010003	1	. Cap, Filter

Pump Assembly, Luber

Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905980		Pump Assembly				
1	PMP0000003	1	. Pump	6	R13802914	4	. Hard Washer
2	905979	1	. Bracket	7	F000008209	1	. Male Elbow
3	F000008201	1	. Sprocket	8	FIL0009052	1	. Element, Filter
4	232939	4	. Nut, Esna	9	221280	1	. Fitting
5	R13811014	4	. Capscrew	10	F000008221	1	. Connector

Meter Wheel Installation

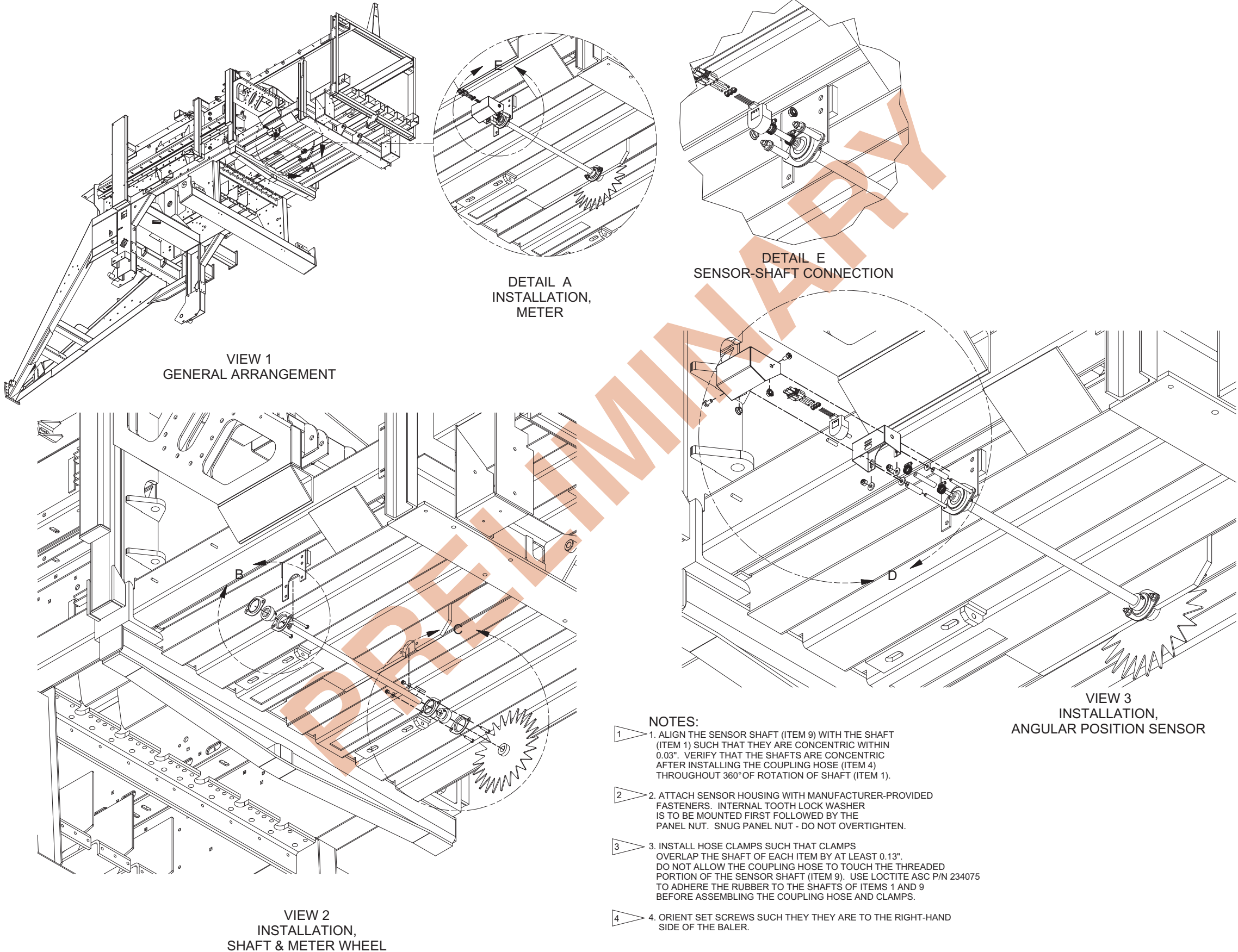
Page 1 of 3

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905887		Meter Wheel Installation				
1	906086	1	. Shaft, Meter Wheel	10	KNT0024098	1	. Meter, Wheel
2	903798	1	. Plate, Mounting	11	221763W	6	. Washer
3	903799	1	. Plate, Cover	12	R13810999	2	. Capscrew
4	906476	1	. Hose	13	R13810989	2	. Capscrew
5	R13811189	4	. Locknut	16	ZZ00000404	1	. Key
6	F000008301	2	. Clamp, Hose	17	R13801782	2	. Capscrew
7	F000001889	4	. Flange, Bearing	18	906477	2	. Spacer
8	F000001619	2	. Insert, Bearing	19	264150W	2	. Nut
9	903820	1	. Sensor				

Rev B

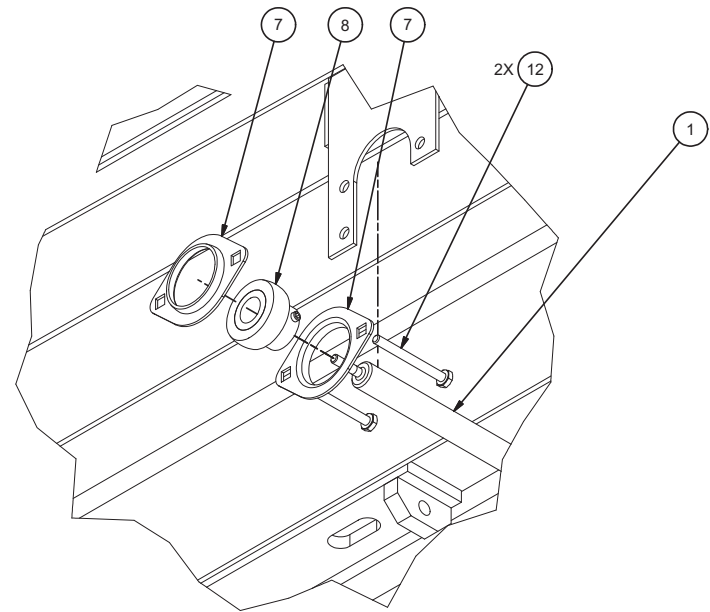
PRELIMINARY

Meter Wheel Installation

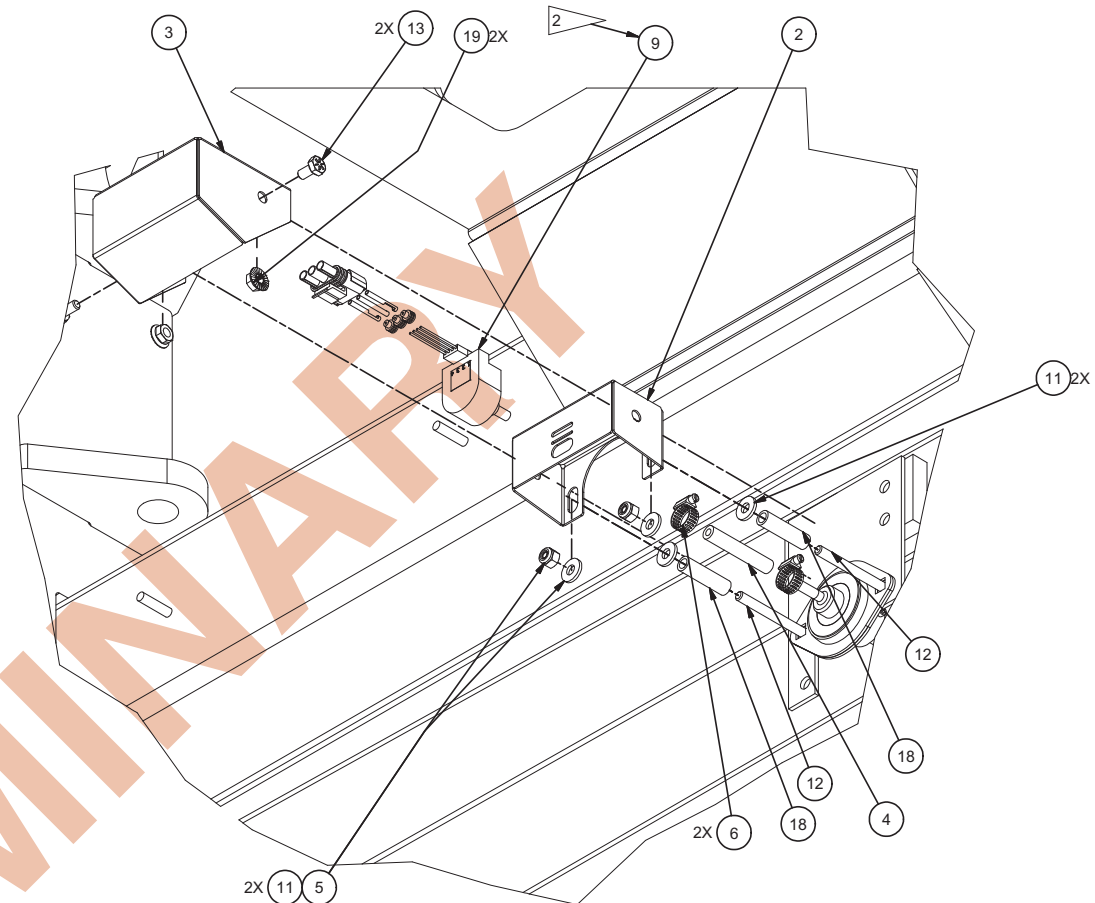


Meter Wheel Installation

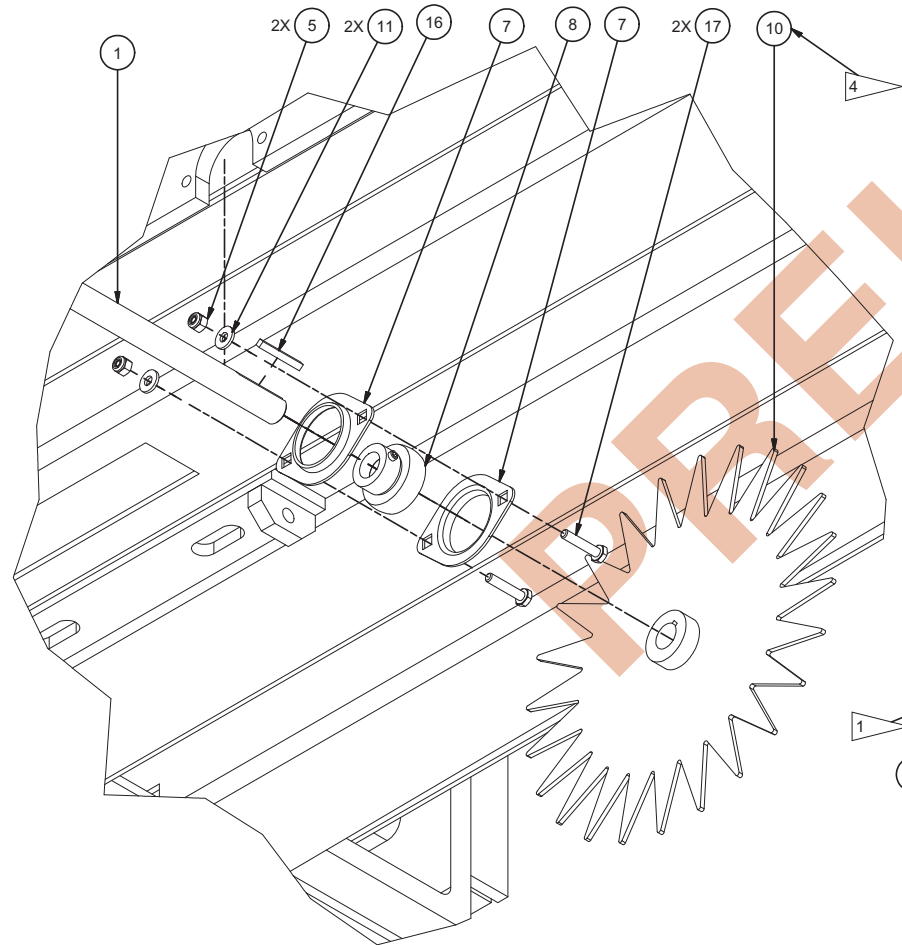
Page 3 of 3



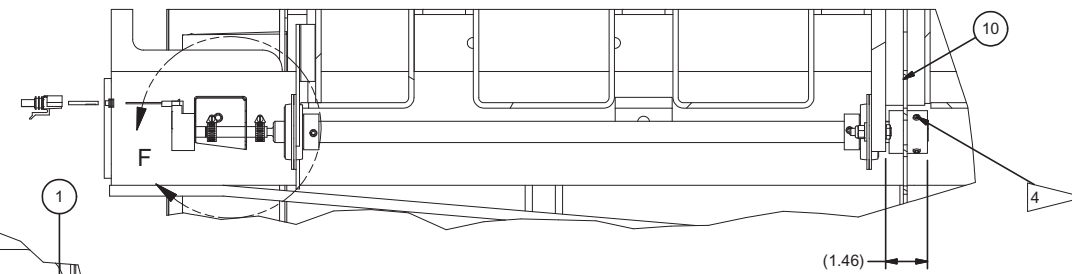
DETAIL B



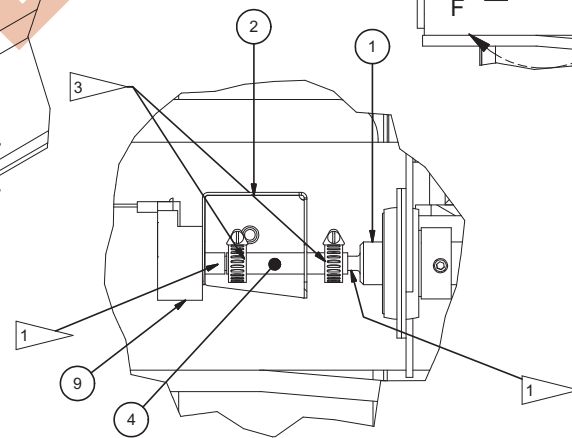
DETAIL D



DETAIL C



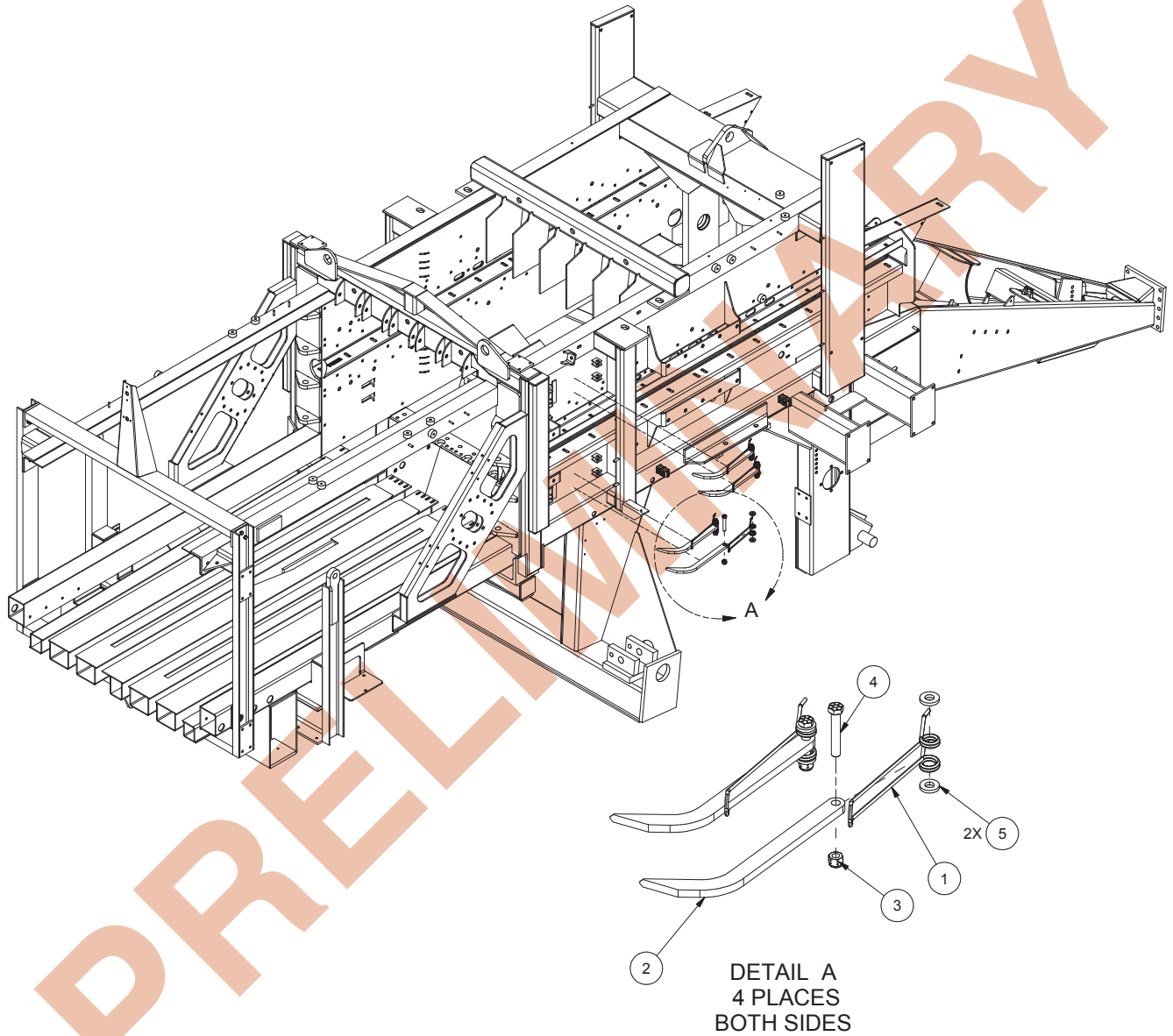
SIDE VIEW OF
SHAFT ASSEMBLY
(SOME FASTENERS AND COVERS
ARE NOT SHOWN FOR CLARITY)



DETAIL F

Haydog Installation

Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905947		Haydog Installation				
1	900179	8	. Spring ,Hay Dog	4	R13801850	8	. Capscrew
2	DOG0018520	8	. Plate, Bottom	5	221771W	16	. Washer
3	223587	8	. Nut, Esna				

Bale Chute Installation

Page 1 of 2

PRELIMINARY

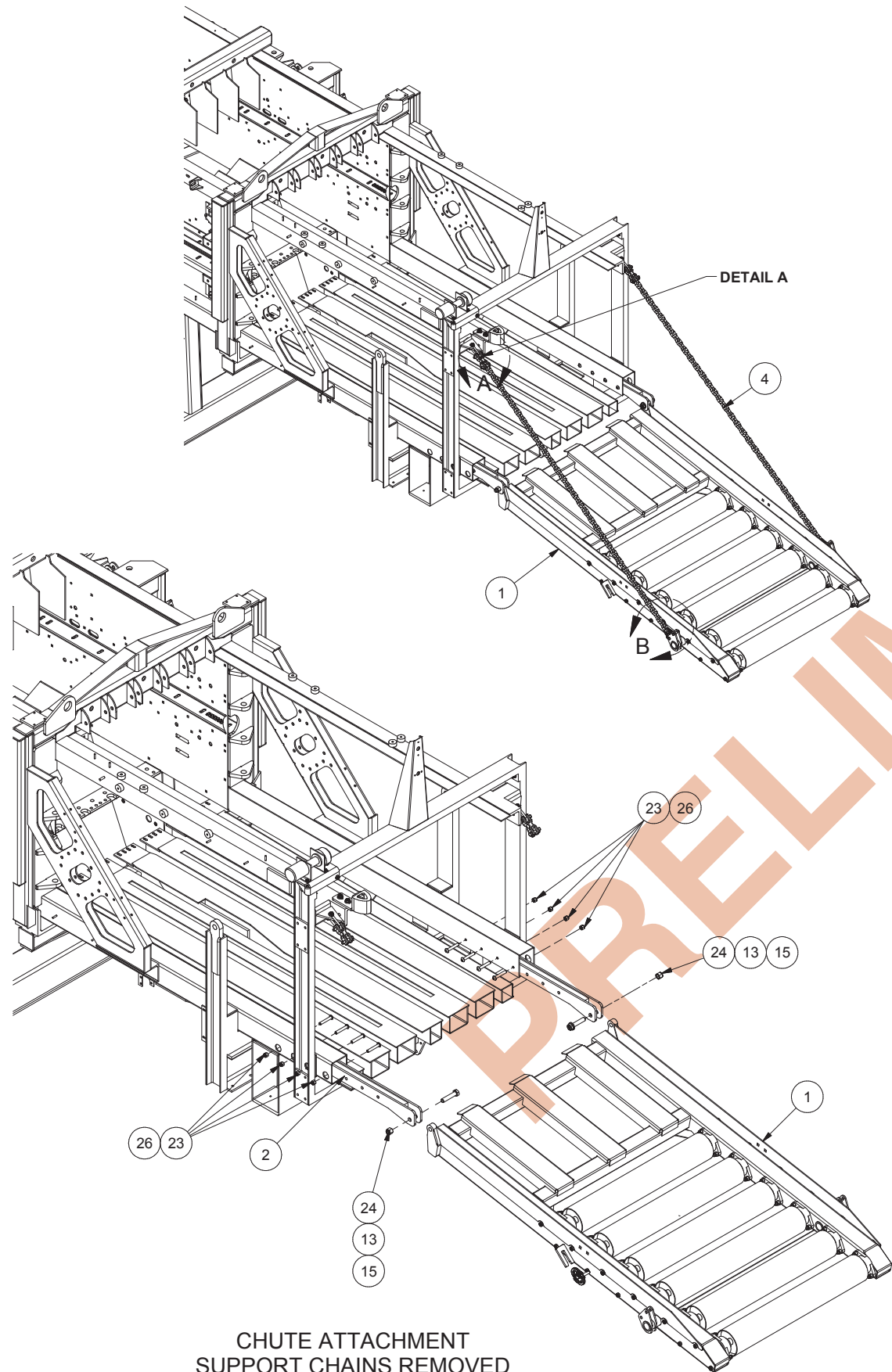
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905900		Bale Chute Installation, 6 Roller				
1	* 905899	1	. Chute Assembly, 6 Roller (Page 109)	14	221771W	2	. Washer
2	906111	2	. Pivot, Chute	15	221664W	2	. Capscrew
3	905942	1	. Winch	16	221560W	2	. Capscrew
4	906425	2	. Chain, Tailchute	17	200454W	1	. Capscrew
5	905933	1	. Chute	18	CNK0000336	2	. Connecting Link
6	905940	1	. Bumper, Rubber	19	R13811014	4	. Capscrew
7	905941	1	. Plate, Retainer	20	R13811039	2	. Capscrew
8	905969	1	. Plate, Mounting	21	R13811077	2	. Capscrew
9	906029	2	. Chain Shackle	22	R13811191	2	. Locknut
10	906031	2	. Link	23	R13811193	11	. Locknut
11	2516921	3	. Clevis Pin	24	R13811196	2	. Locknut
12	232939	4	. Nut, Esna	25	Y17C-0624	2	. Capscrew
13	221777W	2	. Washer	26	Y25G-0848	8	. Capscrew

* See Separate Coverage

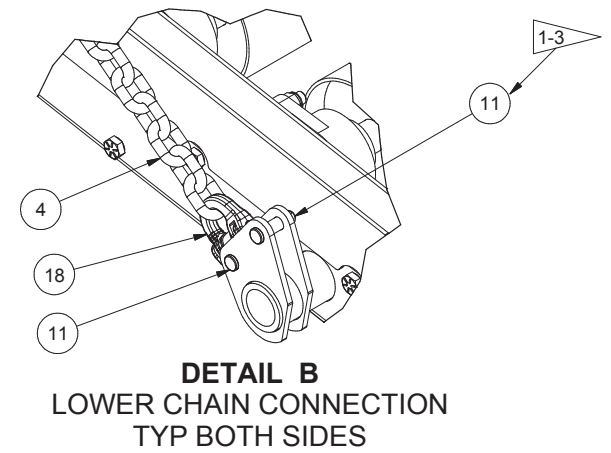
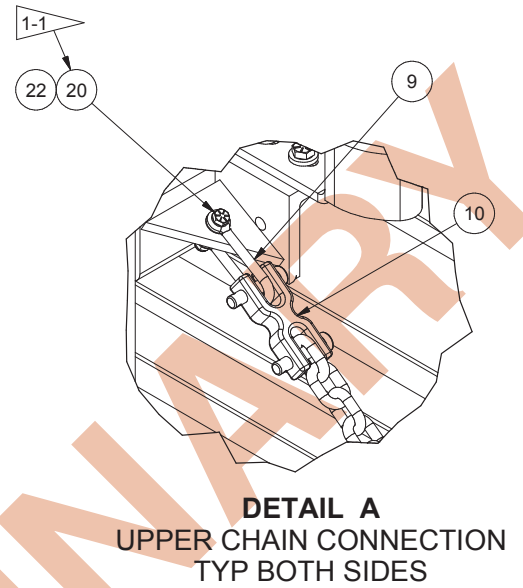
Rev A

Bale Chute Installation

Page 2 of 2

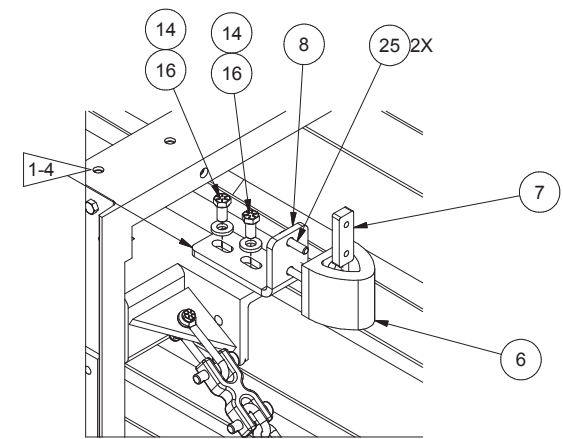
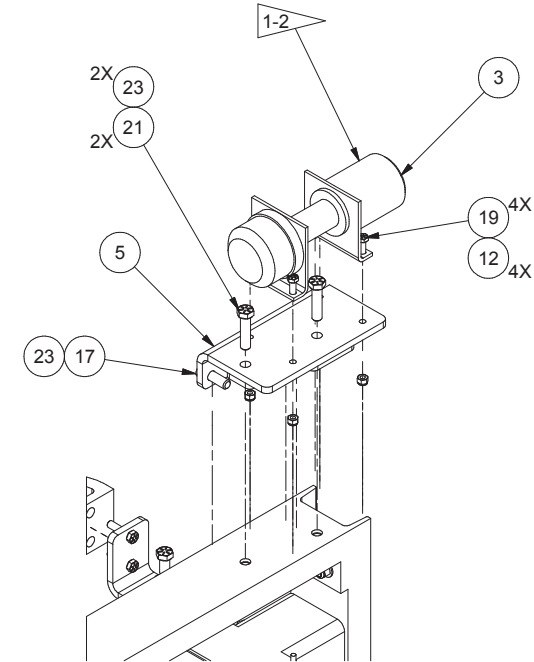


CHUTE ATTACHMENT
SUPPORT CHAINS REMOVED



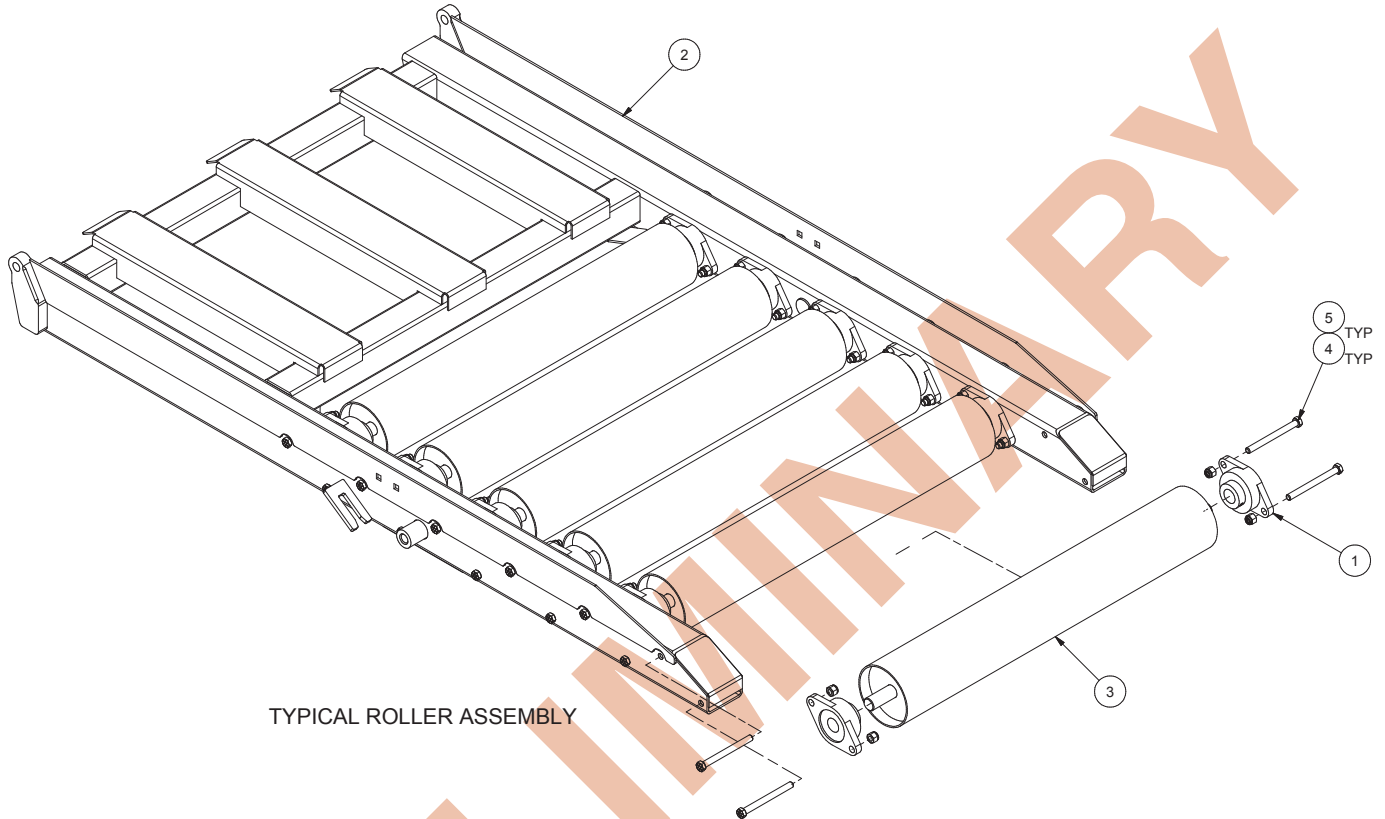
NOTES:

- 1-1 - REMOVE CONNECTOR PIN FROM ITEM #9 AND INSTALL USING BOLT WITH LOCKNUT, ITEMS #20 & #22.
- 1-2 - INSTALL WINCH TO MOUNTING BASE ITEM #5 SUCH THAT WINCH MOTOR IS OUTBOARD OF MACHINE AND CABLE EXTEND TO THE REAR OF MACHINE
- 1-3 - ATTACH WINCH HOOK TO UPPER PIN. INSTALL UPPER PIN ON LEFT HAND SIDE OF MACHINE ONLY.
- 1-4 - ADJUST POSITION SUCH THAT TAILCHUTE IS FIRMLY AGAINST BUMPER WHEN IN THE RAISED POSITION.



Chute Assembly

Page 1 of 1



NOTES:

1. LOCK ECCENTRIC LOCKING COLLAR IN THE DIRECTION OF NORMAL ROTATION. TORQUE LOCK COLLAR SET SCREW TO 23 FT-LBS. REPEAT FOR ALL FLANGE MOUNTED BEARINGS.
2. INSTALL ALL BEARINGS SO THAT GREASE ZERK IS ORIENTED DOWNWARD. AWAY FROM ROLLING BALE.
3. CENTER ROLLERS BETWEEN FRAME RAILS BEFORE LOCKING DOWN BEARING COLLARS.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905899		Chute Assembly, 6 Roller				
1	257457	12	. Bearing	4	R13801857	24	. Capscrew
2	905904	1	. Chute Weldment, 6 Roller	5	R13811193	24	. Locknut
3	905937	6	. Tube Weldment, Roller				

Manifold Installation

Page 1 of 4

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905862		Manifold Installation				
1	* 905758	1	. Manifold Assembly (Page 123)	52	-----	Ref	. Washer
2	903407	1	. Transducer	53	* -----	Ref	. Motor, Hydraulic (Page 92)
3	220596	3	. Fitting	54	VLV1312YCF	1	. Valve
4	225104	1	. Fitting	56	229345	1	. Fitting
5	209451	1	. Fitting	57	R13811040	2	. Capscrew
6	212097	2	. Fitting	58	CLP0022217	1	. Plate, Clamp Half
7	230483	4	. Capscrew	59	CLP0022216	1	. Plate, Clamp Half
8	201567	7	. Lockwasher	60	221771W	22	. Washer
9	R13811191	24	. Locknut	61	28561	1	. Fitting
10	223003	1	. Fitting	62	17951	1	. Fitting
11	211550	1	. Fitting	63	225112	3	. Fitting
12	584026	1	. Transducer Assembly	64	ACM0800087	1	. Accumulator, Diaphragm
13	257255	1	. Valve, Solenoid	65	HYD3249060	1	. Fitting
	257690	1	. Seal Kit	66	209499	1	. Fitting
14	211560	1	. Fitting	67	209506	1	. Fitting
15	26842	1	. Fitting	68	11911	1	. Fitting
16	R13801972	1	. Fitting	69	215515	1	. Fitting
17	211562	2	. Fitting	70	257550	1	. Fitting
19	256970	1	. Valve, Prop Relief	71	257549	1	. Fitting
	257688	1	. Seal Kit	72	904204	1	. Switch, Pressure
	237511	1	. Seal Kit	73	R13811083	1	. Capscrew
20	23578	2	. Fitting	74	209501	2	. Fitting
21	215016	1	. Fitting	75	R1992651	2	. Screw, Bleeder
22	R13807532	1	. Fitting	76	209755	2	. Fitting
23	R830008	1	. Fitting	77	HYD3609030	2	. Fitting
24	23577	1	. Fitting	78	* -----	Ref	. Cylinder Assembly (Page 48)
25	R13811193	24	. Locknut	79	MNT0024096	1	. Bar, Mounting
26	-----	Ref	. Capscrew	80	209417	4	. Fitting
27	221574W	2	. Capscrew	81	* -----	Ref	. Hydraulic Cylinder (Page 16)
28	* -----	Ref	. Motor, Hydraulic (Page 66)	82	* -----	Ref	. Hydraulic Cylinder (Page 16)
29	-----	Ref	. Fitting	83	-----	Ref	. Fitting
30	-----	Ref	. Fitting	84	-----	Ref	. Fitting
31	R13801791	2	. Capscrew	85	MTR1091104	1	. Motor
32	14151	1	. Fitting		SEL0061234	1	. Rear Seal Kit
33	209087	1	. Fitting		SEL0061236	1	. Front Seal Kit
34	209215	8	. Fitting	86	BKT0024954	1	. Bracket
35	232987	4	. Capscrew	87	* -----	Ref	. Cylinder Assembly, Makeup (Page 20)
36	905791	1	. Valve, Directional Control	88	* -----	Ref	. Cylinder Assembly, Plunger (Page 20)
37	Y73G-0652	2	. Capscrew	89	209761	1	. Fitting
38	209138	1	. Fitting	90	905871	1	. Plate, Mounting
39	228551	1	. Fitting	91	209754	1	. Fitting
40	904478	2	. Transducer, Pressure	92	231316	1	. Fitting
41	VLV0000035	1	. Subplate	93	221280	1	. Fitting
42	209406	1	. Fitting	95	HYD5525030	1	. Fitting
43	12786	1	. Fitting	96	225283	1	. Fitting
44	212718	1	. Fitting	97	23529	1	. Fitting
45	R13801824	3	. Capscrew	98	209997	2	. Fitting
46	* 905874	1	. Manifold Assembly (Page 126)	99	VLV00000453	1	. Check Valve
47	-----	Ref	. Capscrew	100	235387	2	. Fitting
48	-----	Ref	. Capscrew	101	VLV0000034	1	. Relief Valve
49	-----	Ref	. Plate, Mounting				
50	-----	Ref	. Capscrew				
51	-----	Ref	. Motor, Feeder				

* See Separate Coverage

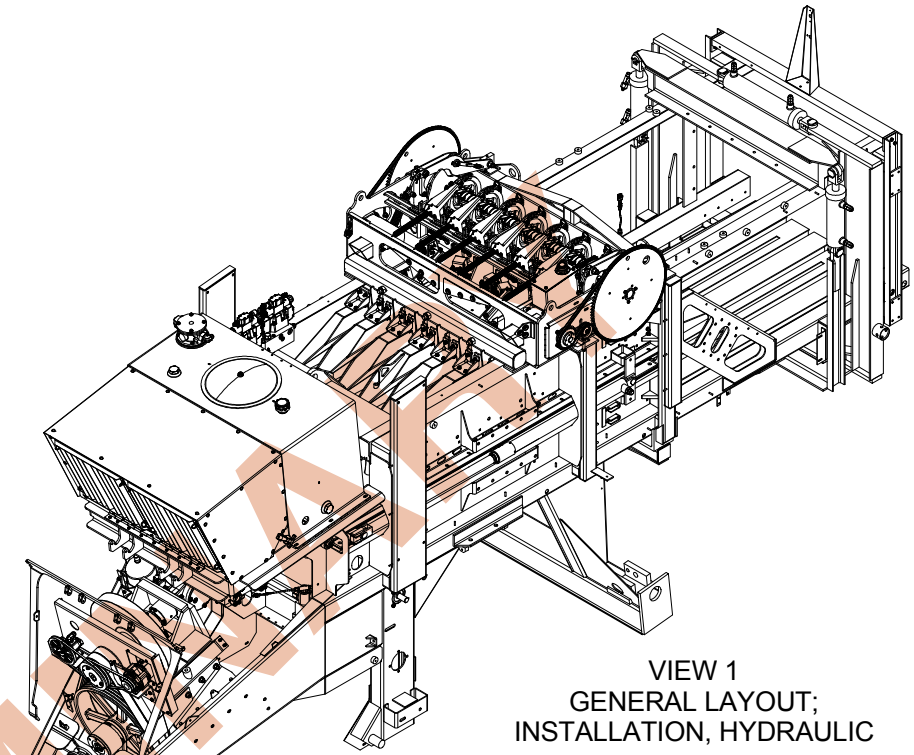
Rev A

Manifold Installation

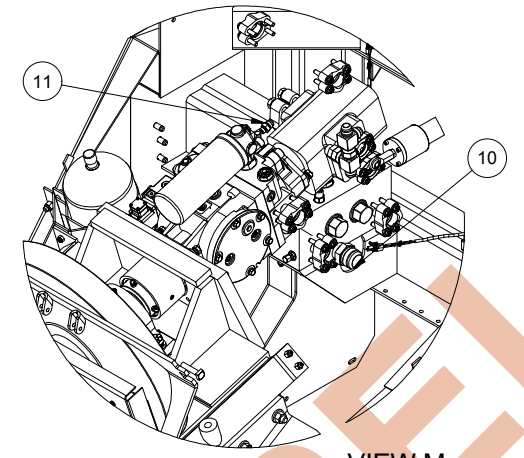
Page 2 of 4

NOTES:

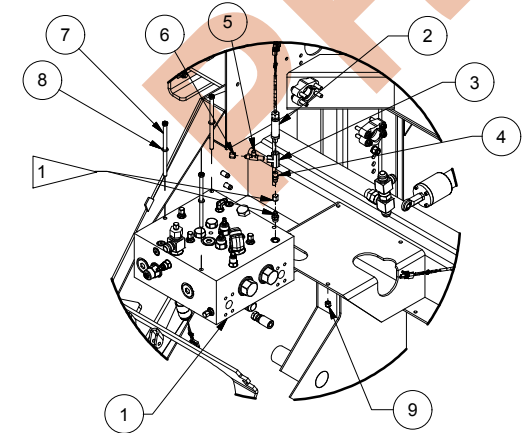
- 1 REMOVE FITTINGS 223929 (FITTING; ST-C4-G6-S) & 212097 (FITTING; MC-M4-S) FROM MANIFLOD ASSEMBLY TO INSTALL PRESSURE TRANSDUCER 903407.
- 2 REMOVE FITTING 212097 (FITTING; MC-M4-S) FROM MANIFOLD ASSEMBLY AND USE IT TO CAP THE 209406 (FITTING; EL-BC4-S).



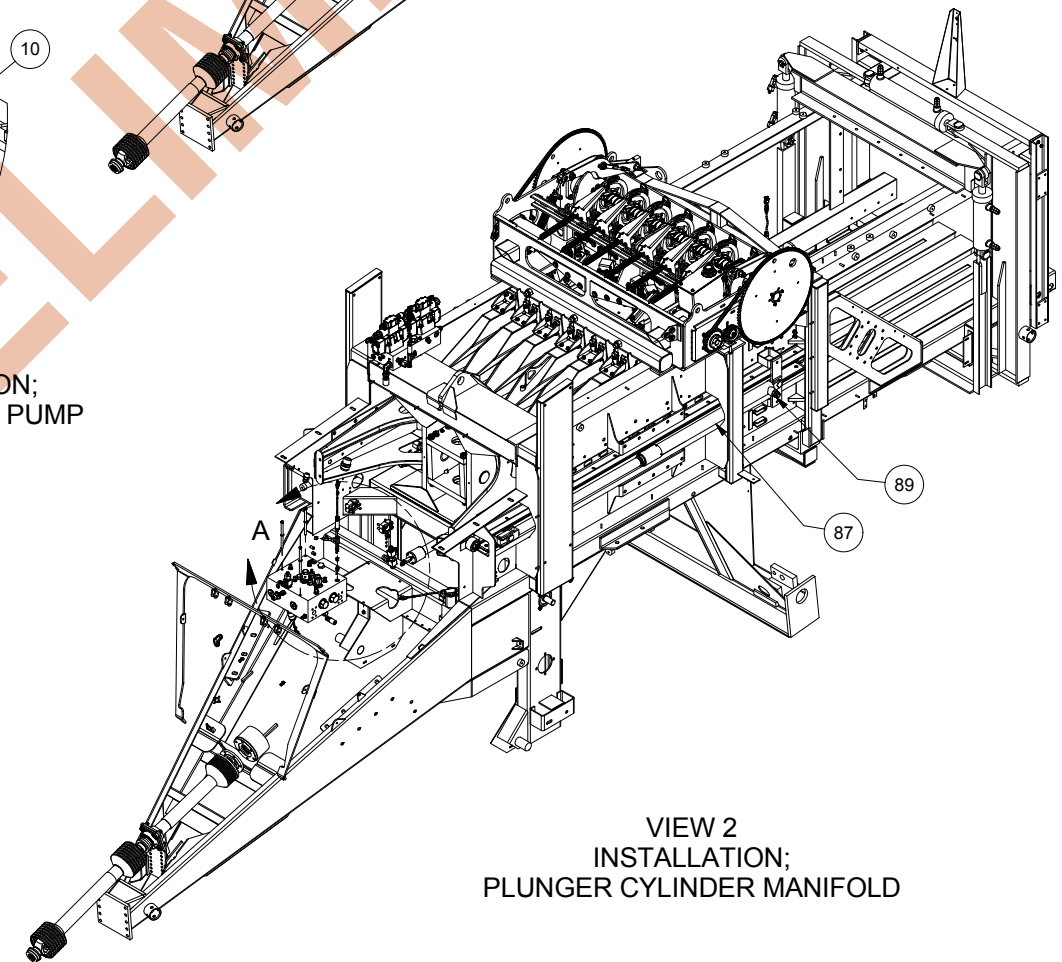
VIEW 1
GENERAL LAYOUT;
INSTALLATION, HYDRAULIC



VIEW M
INSTALLATION;
FITTINGS, MAIN PUMP



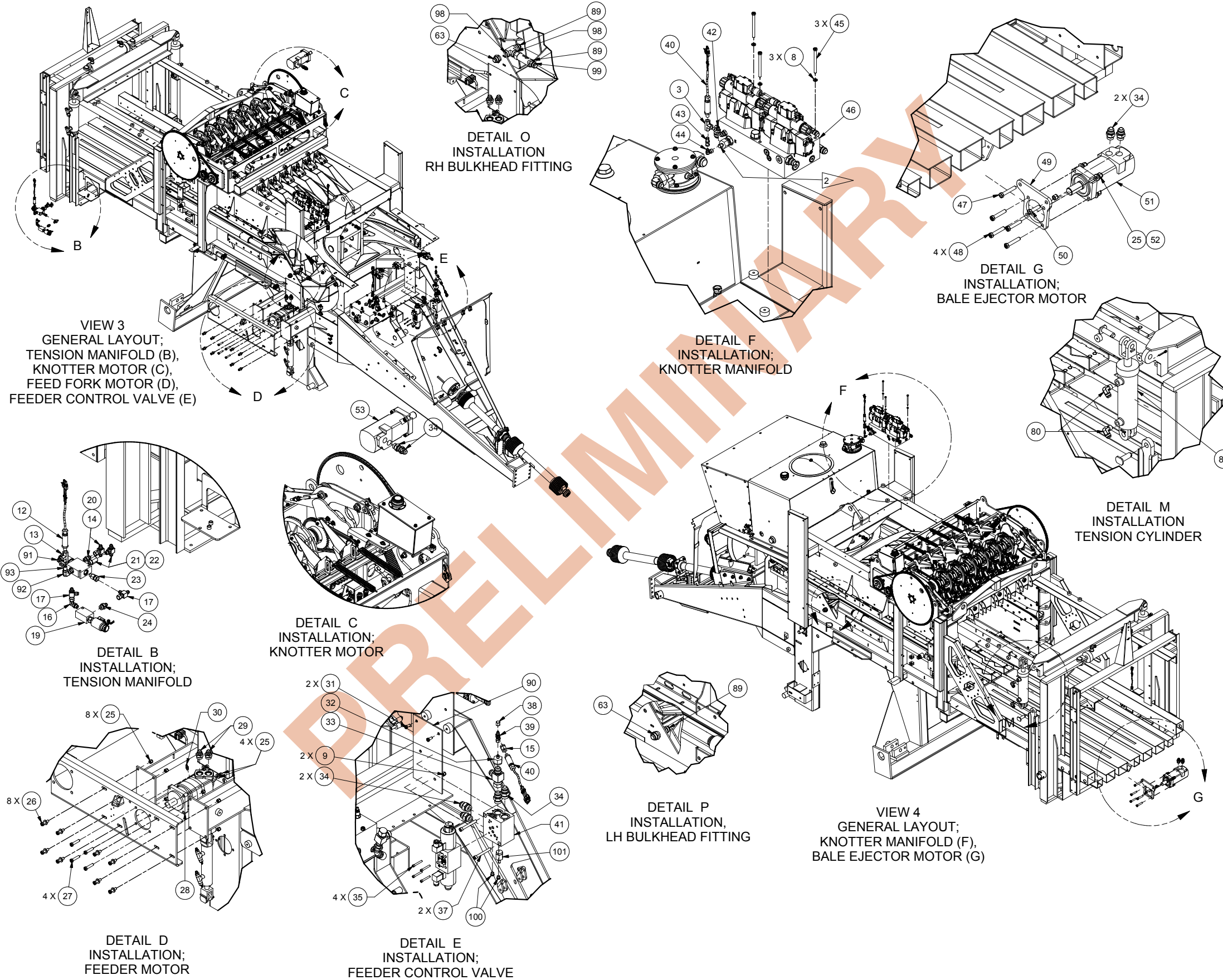
DETAIL A
INSTALLATION;
PLUNGER CYLINDER MANIFOLD



VIEW 2
INSTALLATION;
PLUNGER CYLINDER MANIFOLD

Manifold Installation

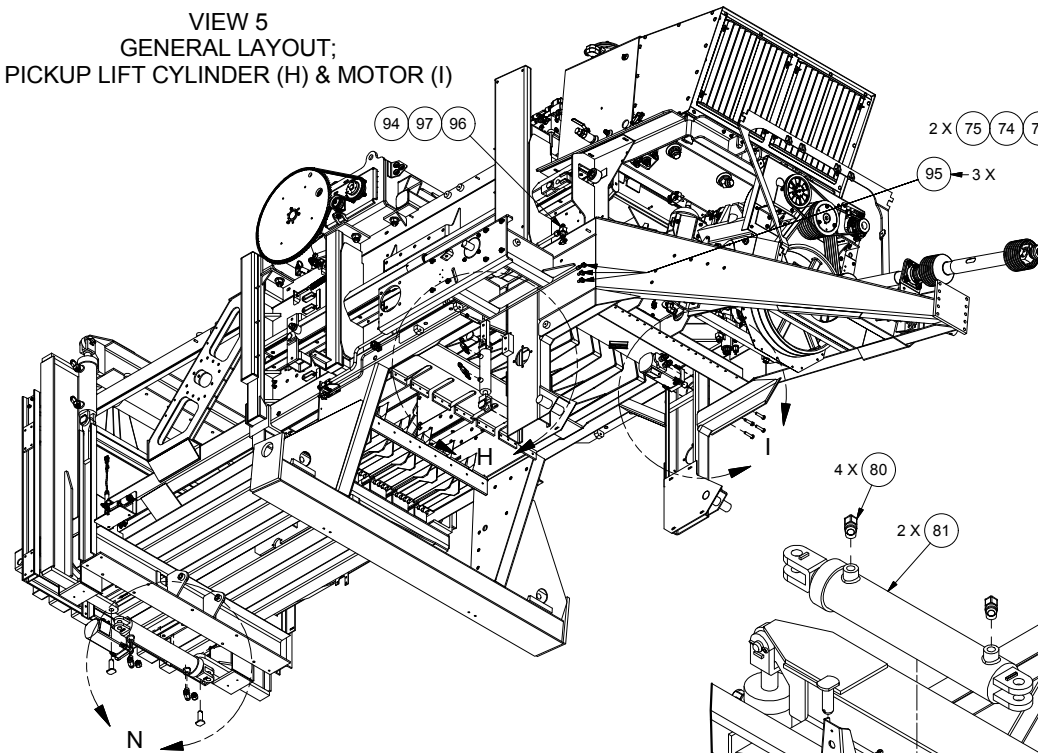
Page 3 of 4



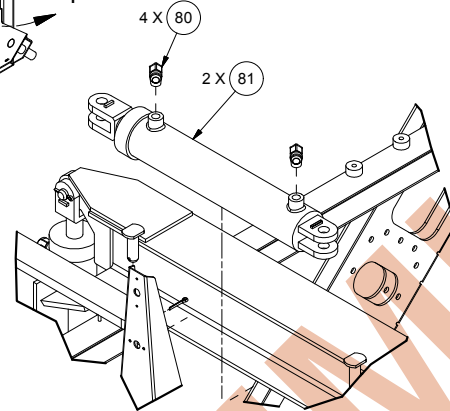
Manifold Installation

Page 4 of 4

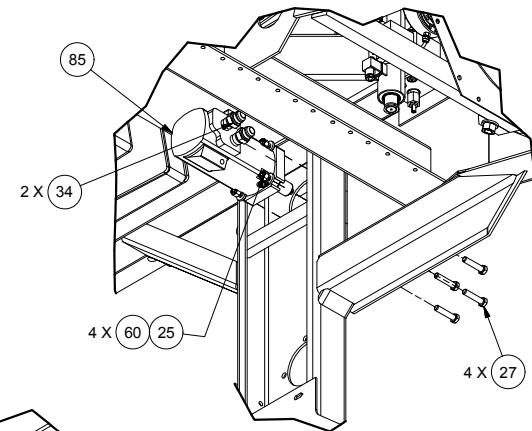
VIEW 5
GENERAL LAYOUT;
PICKUP LIFT CYLINDER (H) & MOTOR (I)



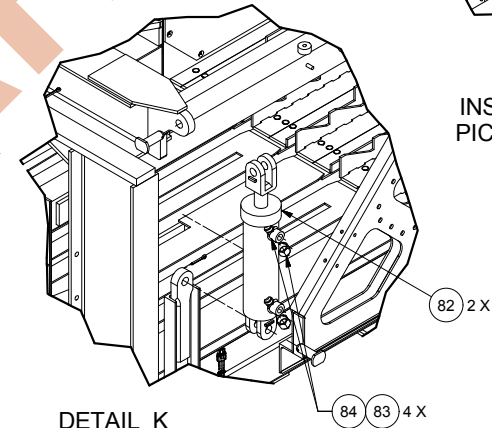
DETAIL H
INSTALLATION;
PICKUP LIFT CYLINDER



DETAIL I
INSTALLATION;
PICKUP MOTOR

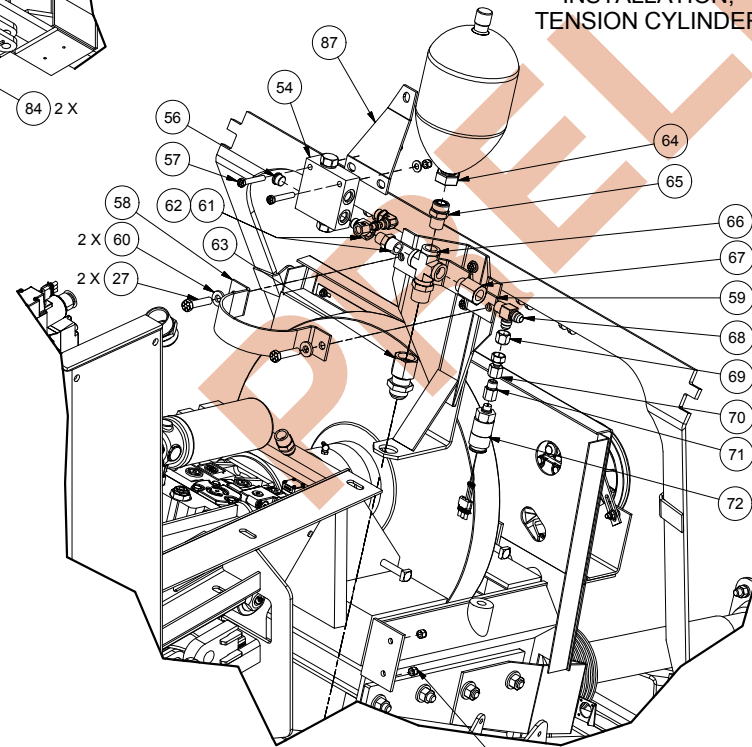
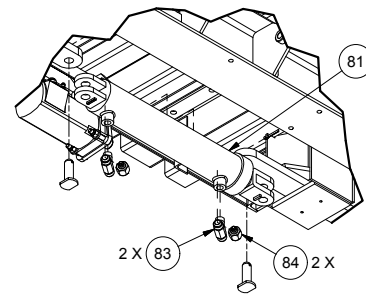


DETAIL K
INSTALLATION;
TENSION CYLINDER



DETAIL J
INSTALLATION;
TENSION CYLINDER

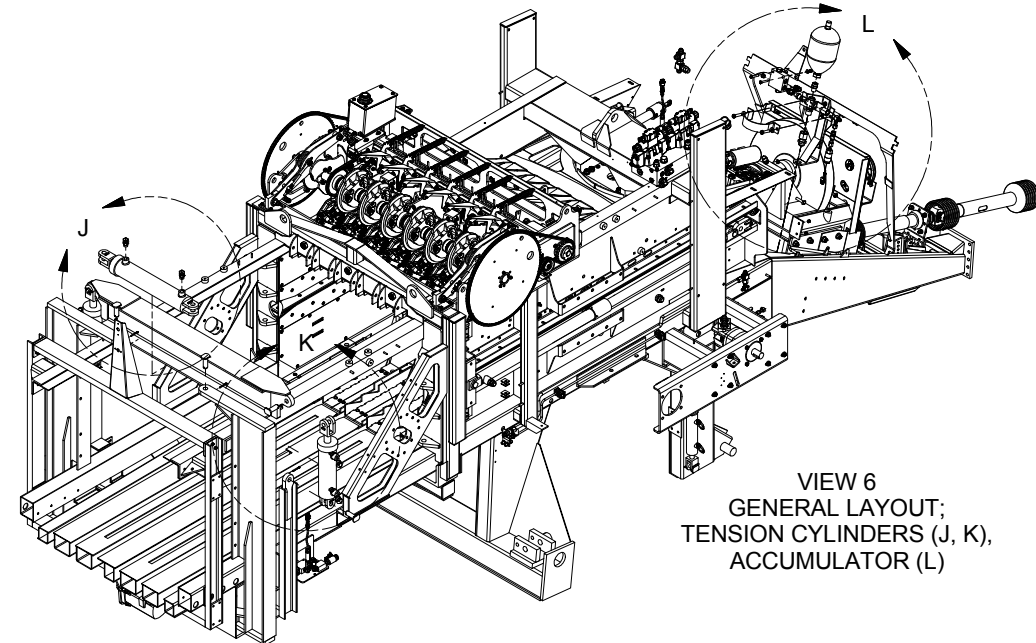
DETAIL N
INSTALLATION;
TENSION CYLINDER



DETAIL L
INSTALLATION;
ACCUMULATOR

2 X 9

VIEW 6
GENERAL LAYOUT;
TENSION CYLINDERS (J, K),
ACCUMULATOR (L)

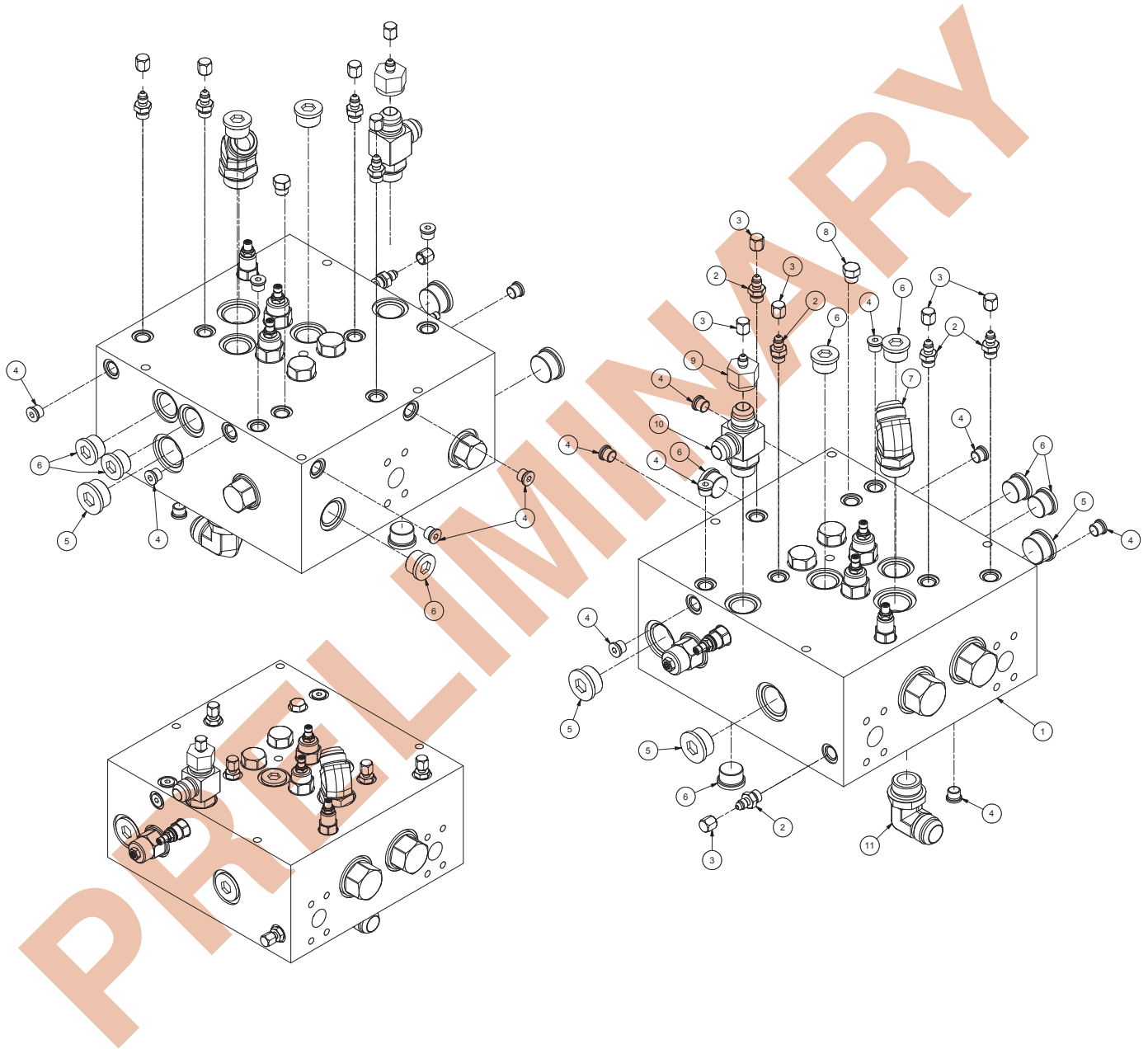


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PRELIMINARY

Manifold, Plunger Cylinder Assembly

Page 1 of 1



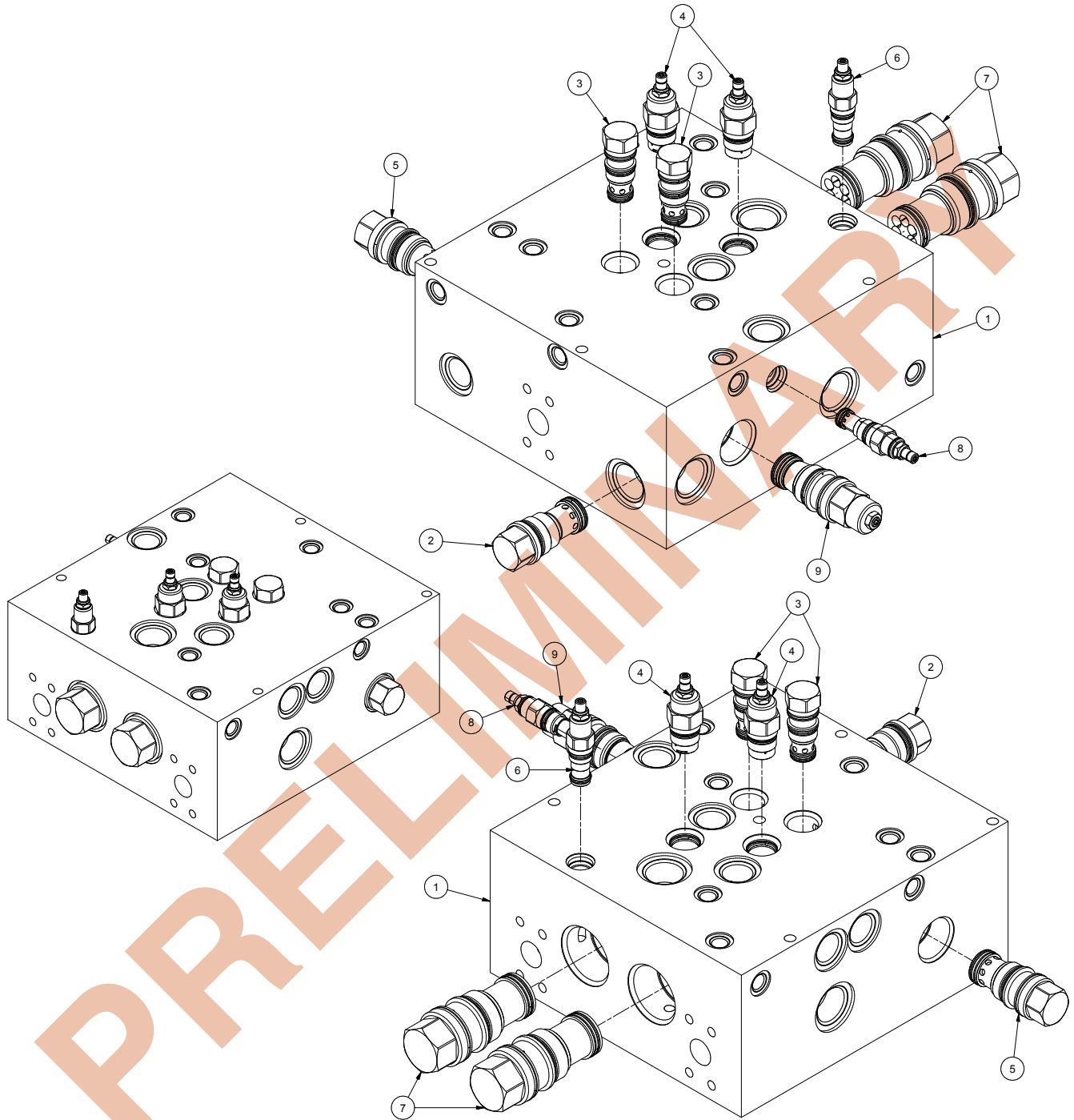
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905758		Manifold Assembly				
1	* 905757	1	. Manifold Assembly (Page 124)	7	209147	1	. Fitting
2	223929	5	. Fitting	8	212762	1	. Fitting
3	212097	6	. Fitting	9	14151	1	. Fitting
4	229383	8	. Fitting	10	206322	1	. Fitting
5	227949	3	. Fitting	11	209715	1	. Fitting
6	224964	6	. Fitting				

* See Separate Coverage

Rev A

Manifold Assembly

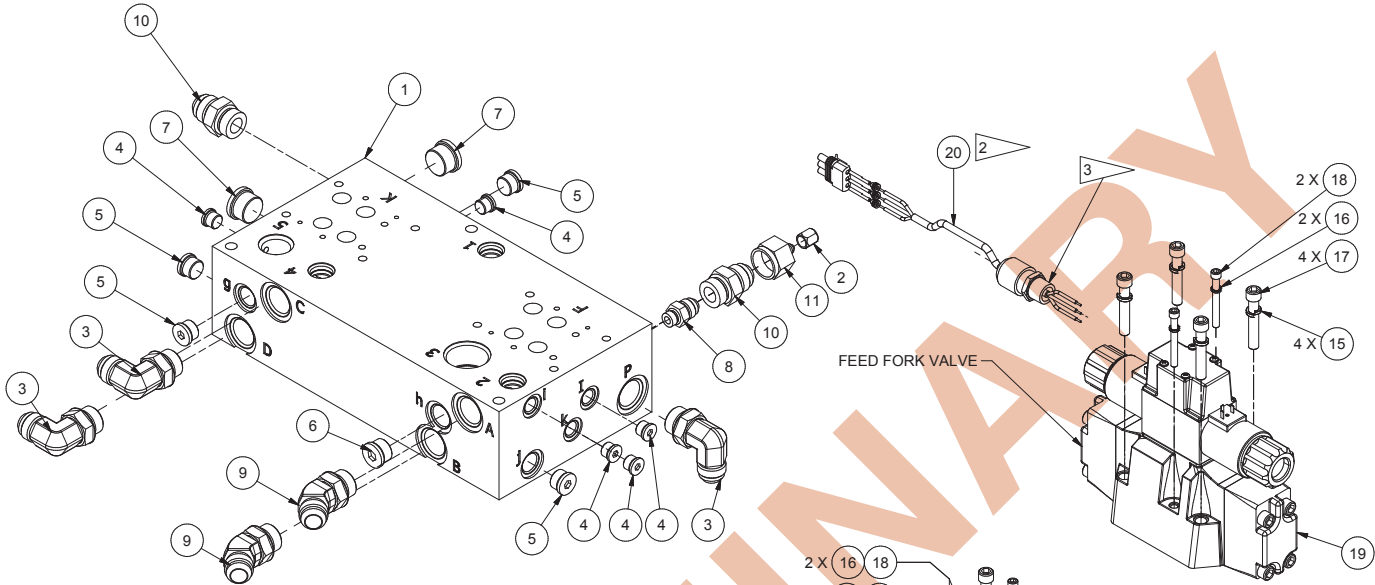
Page 1 of 1



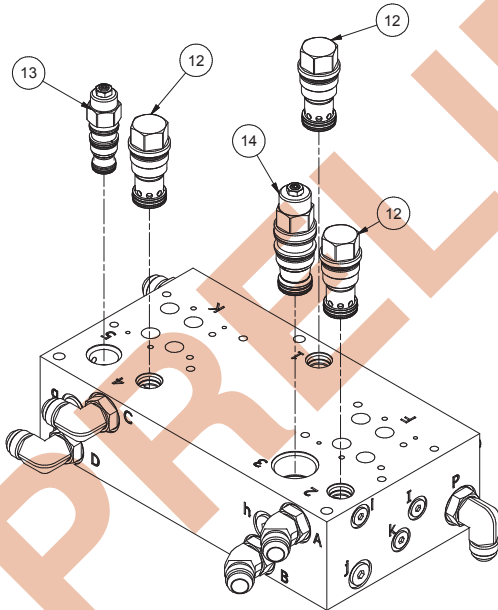
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905757		Manifold Assembly				
1	VLV0028071	1	. Plunger Cylinder Valve	6	905752	1	. Valve
2	905746	1	. Valve		258390	1	.. Seal Kit
	258389	1	.. Seal Kit	7	905754	2	. Valve
3	905749	2	. Valve		258392	1	.. Seal Kit
	258388	1	.. Seal Kit	8	905755	1	. Valve
4	905750	2	. Valve		258390	1	.. Seal Kit
	258391	1	.. Seal Kit	9	905756	1	. Valve
5	905751	1	. Valve		258393	1	.. Seal Kit
	258393	1	.. Seal Kit				

Manifold Assembly

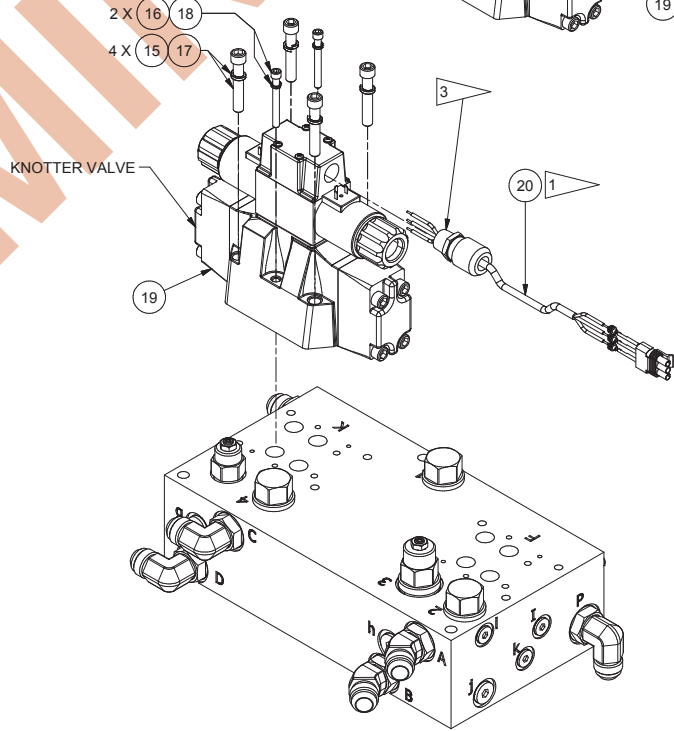
Page 1 of 2



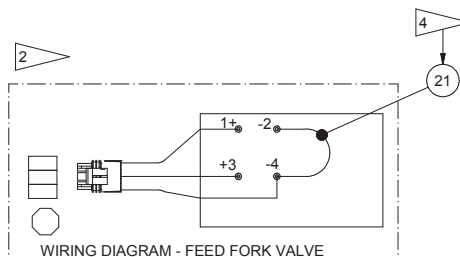
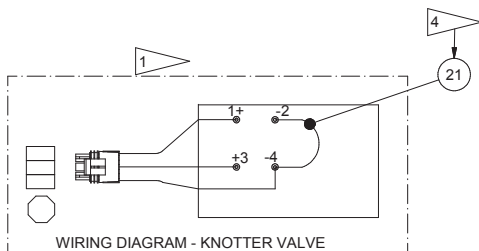
VIEW 1
INSTALLATION, FITTINGS



VIEW 2
INSTALLATION, CARTRIDGE VALVES



VIEW 3
INSTALLATION, RESTRICTION VALVES

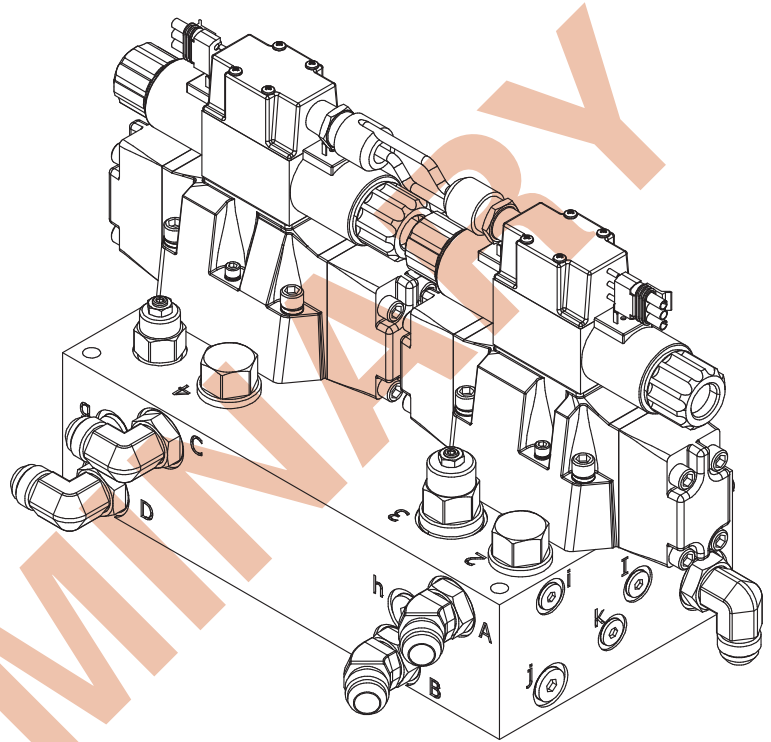


Manifold Assembly

Page 2 of 2

NOTES:

- 3 - SEAL NPT CONNECTIONS TO CONDUIT BOX WITH LOCTITE 577 OR EQUIVALENT
- 4 - ATTACH WIRE INSIDE CONDUIT BOX BETWEEN THE CONNECTIONS AS SHOWN.

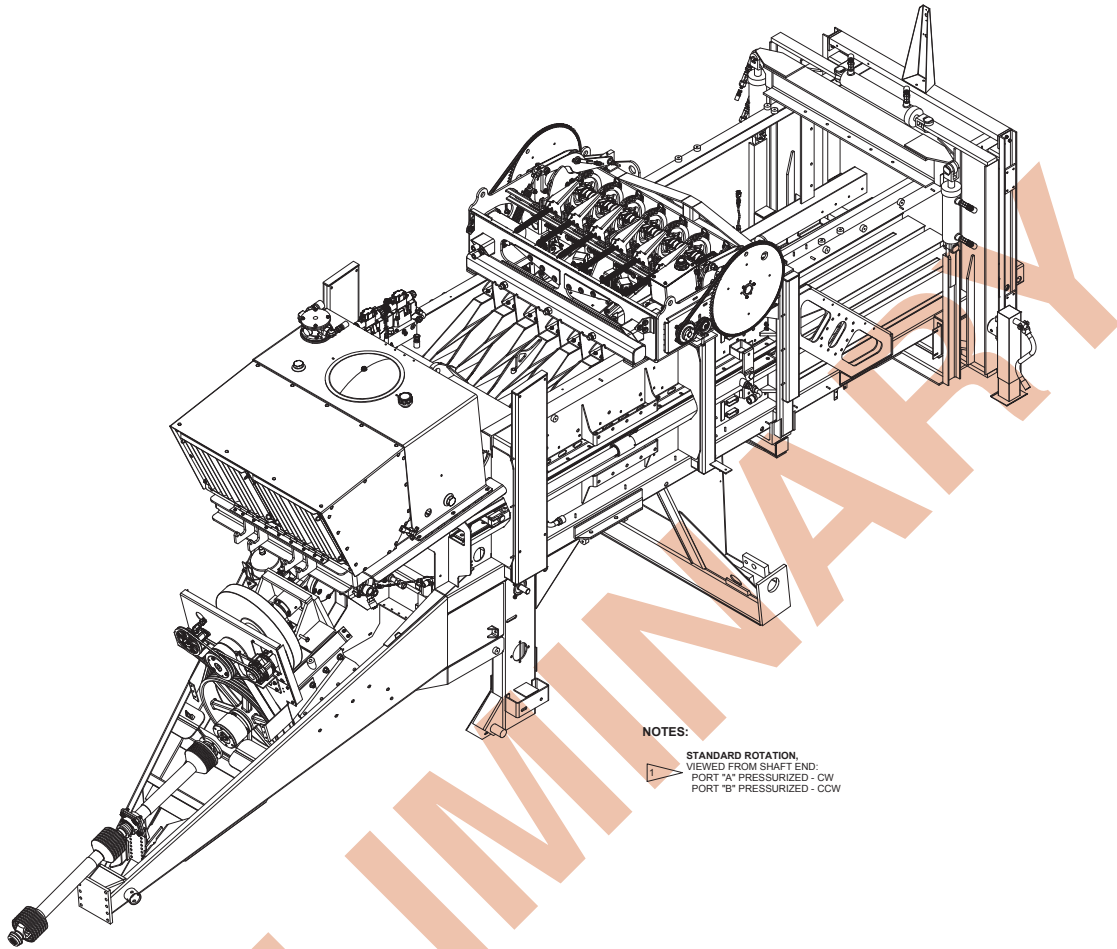


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905874		Manifold Assembly				
1	VLV0017304	1	. Feeder Valve Manifold	13	905958	1	. Valve
2	212097	1	. Fitting		258388	1	.. Seal Kit
3	209490	3	. Fitting	14	905957	1	. Valve
4	229383	5	. Fitting		258393	1	.. Seal Kit
5	229345	4	. Fitting	15	Y22E-06	8	. Washer
6	228773	1	. Fitting	16	Y22E-04	4	. Washer
7	224964	2	. Fitting	17	Y73G-0636	8	. Capscrew
8	211550	1	. Fitting	18	Y73G-0436	4	. Capscrew
9	209485	2	. Fitting	19	VLV0000416	2	. Restrictor Valve
10	209215	2	. Fitting	20	905875	2	. Wiring Harness
11	14151	1	. Fitting	21	906107	2	. Wire, Ground
12	905956	3	. Valve				
	258390	1	.. Seal Kit				

Rev B

Hose Installation

Page 1 of 6



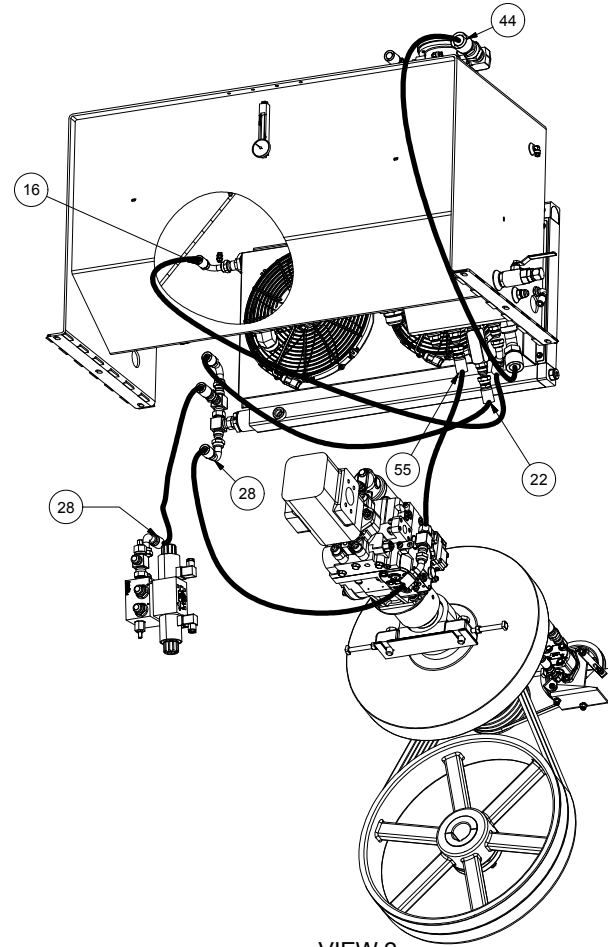
NOTES:
 STANDARD ROTATION,
 VIEWED FROM SHAFT END.
 PORT "A" PRESSURIZED - CW
 PORT "B" PRESSURIZED - CCW

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905863 Hose Installation							
1	HOS0015761	1	. Hose Assembly	32	HOS0035162	1	. Hose Assembly
2	HOS0015762	1	. Hose Assembly	33	HOS0024973	1	. Hose Assembly
4	HOS0016624	1	. Hose Assembly	34	HOS0024980	1	. Hose Assembly
6	R12121	1	. Hose Assembly	35	212435	1	. Hose Assembly
7	HOS036690A	1	. Hose Assembly	36	HOS0025038	1	. Hose Assembly
8	HOS0016658	2	. Hose Assembly	37	229543	2	. Hose Assembly
9	246972	1	. Hose Assembly	38	251487	1	. Hose Assembly
10	HOS0020760	3	. Hose Assembly	39	253668	1	. Hose Assembly
11	HOS0020947	1	. Hose Assembly	40	HOS037357A	1	. Hose Assembly
12	HOS0020948	1	. Hose Assembly	41	HOS036700A	1	. Hose Assembly
13	HOS036689A	2	. Hose Assembly	43	HOS036692A	1	. Hose Assembly
14	HOS0032167	1	. Hose Assembly	44	*	1	. Hose Assembly
15	HOS0022137	1	. Hose Assembly	45	HOS0032166	1	. Hose Assembly
16	*	1	. Hose Assembly	46	HOS0023438	2	. Hose Assembly
17	HOS037017A	2	. Hose Assembly	47	HOS0015874	1	. Hose Assembly
18	234001	1	. Hose Assembly	50	231248	3	. Clamp
19	HOS0023451	2	. Hose Assembly	51	MNT0020255	2	. Channel
21	249784	1	. Hose Assembly	52	243161	1	. Hose Assembly
22	HOS036693A	1	. Hose Assembly	53	HOS037569A	1	. Hose Assembly
23	HOS0023460	1	. Hose Assembly	54	255469	1	. Hose Assembly
24	HOS037357A	1	. Hose Assembly	55	HOS036692A	1	. Hose Assembly
25	209959	2	. Hose Assembly	56	251487	1	. Hose Assembly
26	233936	1	. Hose Assembly	57	TBE0023717	1	. Tube Assembly
27	HOS0023488	1	. Hose Assembly	58	TBE0023718	1	. Tube Assembly
28	HOS0023494	3	. Hose Assembly	59	250127	1	. Hose Assembly
29	*	2	. Hose Assembly	60	242277	1	. Hose Assembly
30	HOS0024887	1	. Hose Assembly				
31	HOS0024889	1	. Hose Assembly				

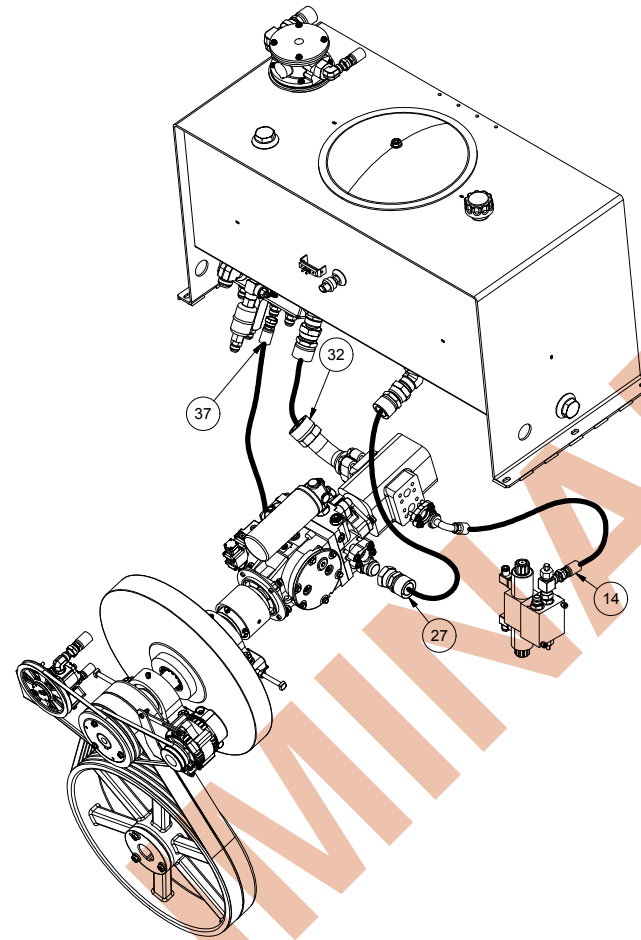
* Consult Factory for Part Number

Hose Installation

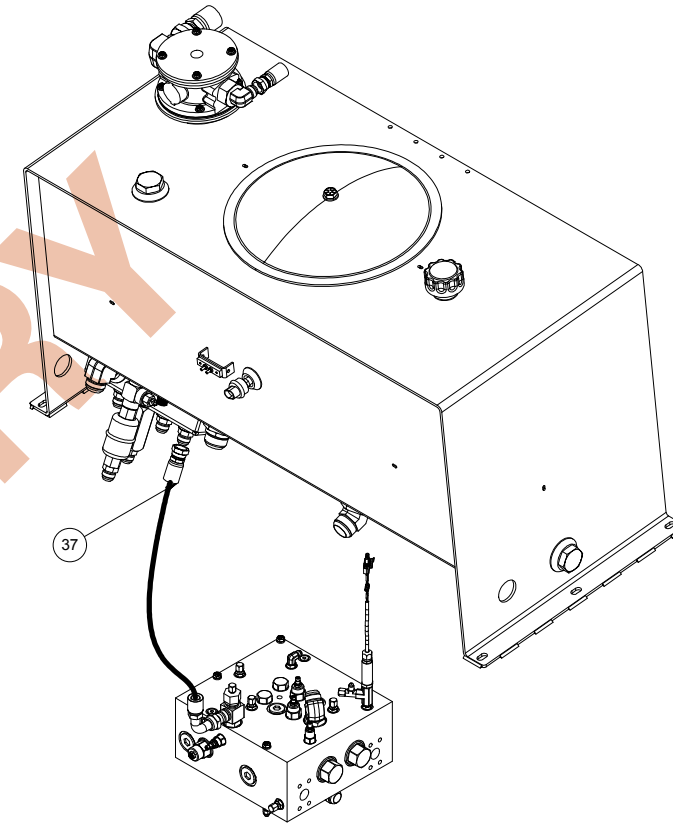
Page 2 of 6



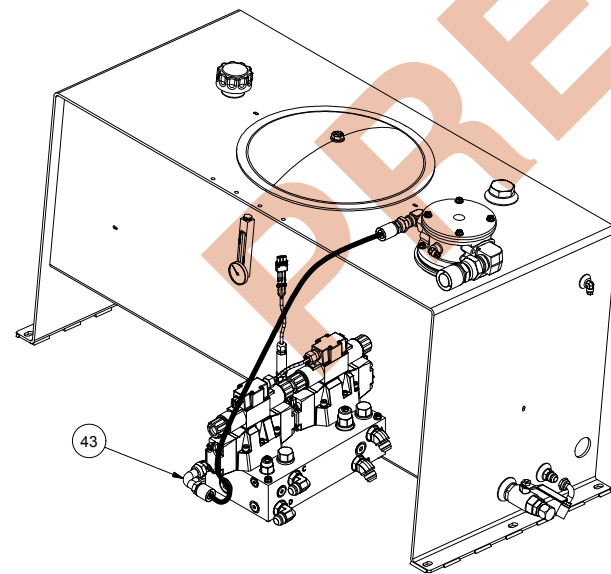
VIEW 2
INSTALLATION, HOSE
HEAT EXCHANGER



VIEW 3
INSTALLATION, HOSE
RESERVOIR (1)



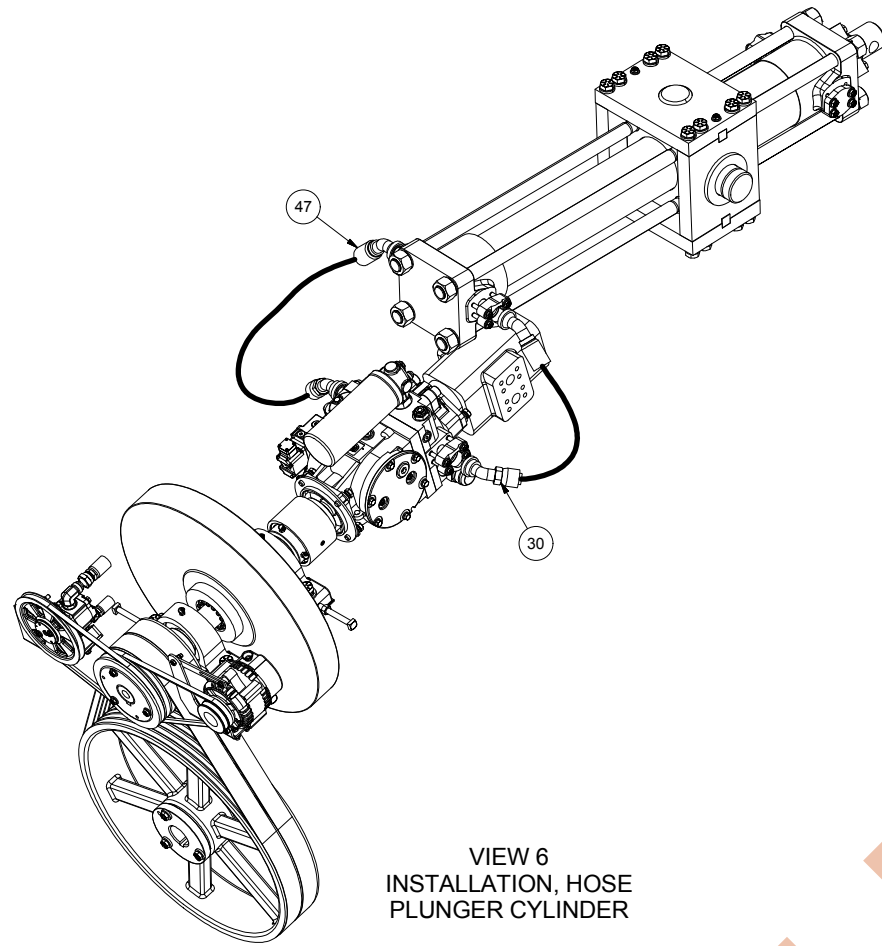
VIEW 4
INSTALLATION, HOSE
RESERVOIR (2)



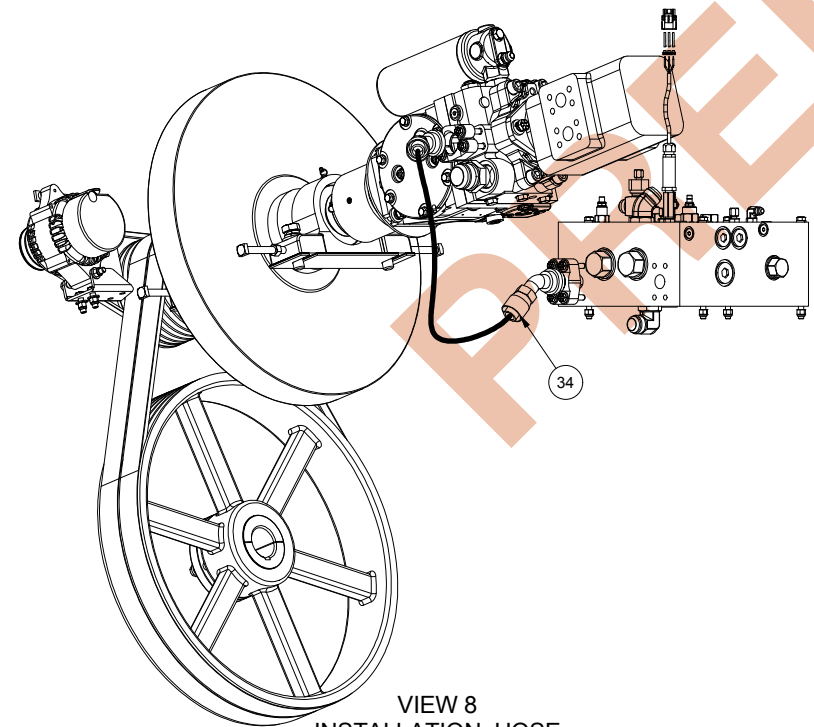
VIEW 5
INSTALLATION, HOSE
KNOTTER MANIFOLD
RESERVOIR RETURN

Hose Installation

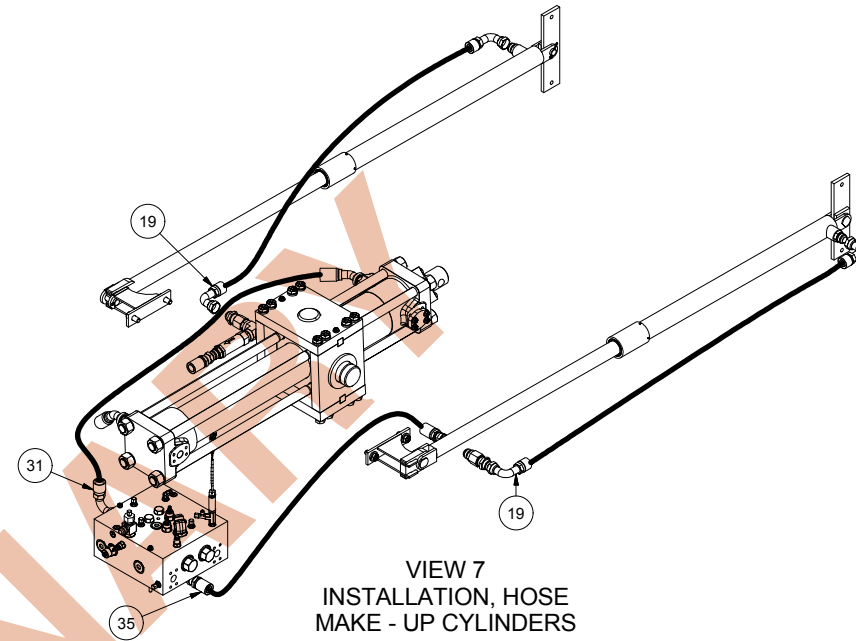
Page 3 of 6



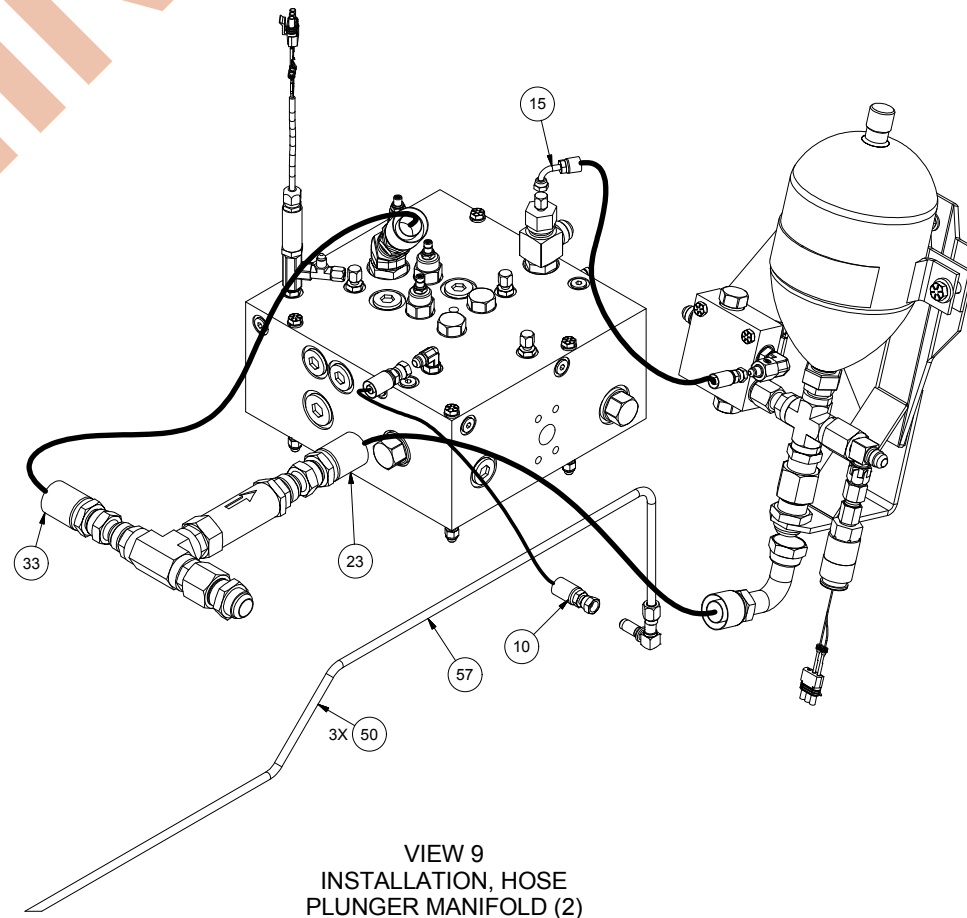
VIEW 6
INSTALLATION, HOSE
PLUNGER CYLINDER



VIEW 8
INSTALLATION, HOSE
PLUNGER MANIFOLD (1)



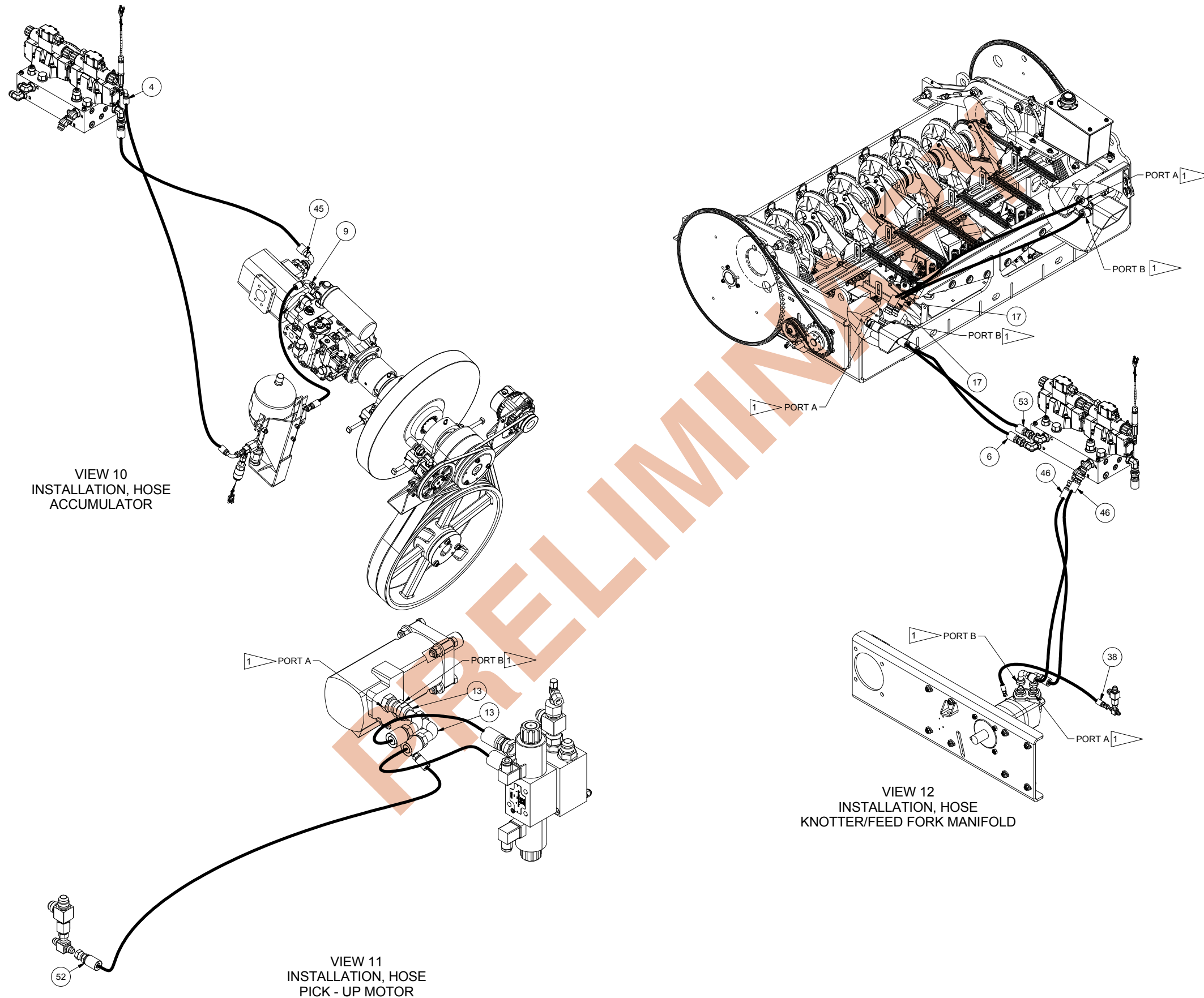
VIEW 7
INSTALLATION, HOSE
MAKE - UP CYLINDERS



VIEW 9
INSTALLATION, HOSE
PLUNGER MANIFOLD (2)

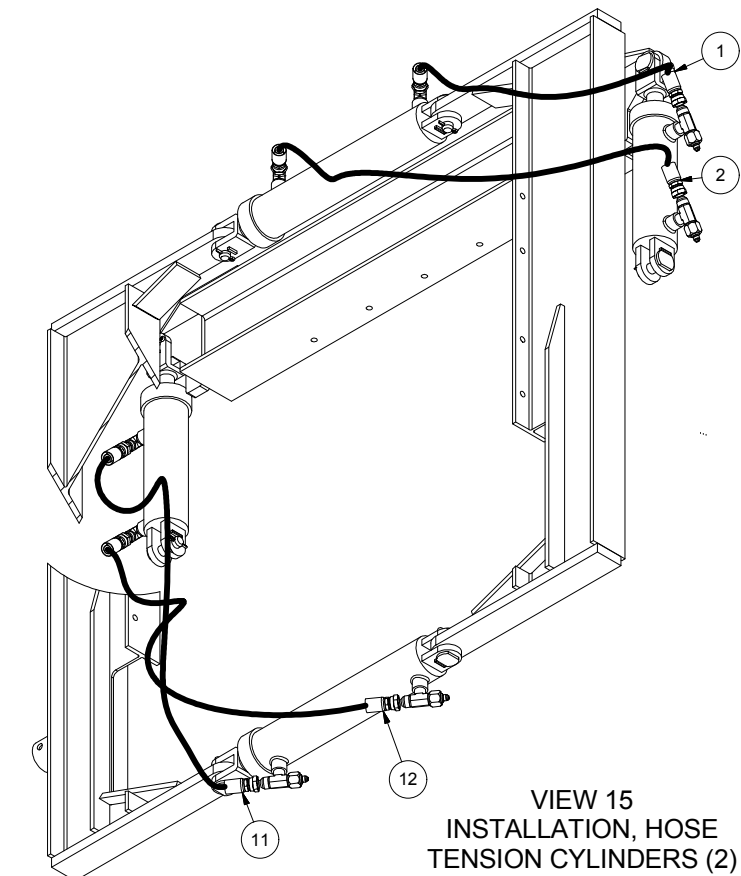
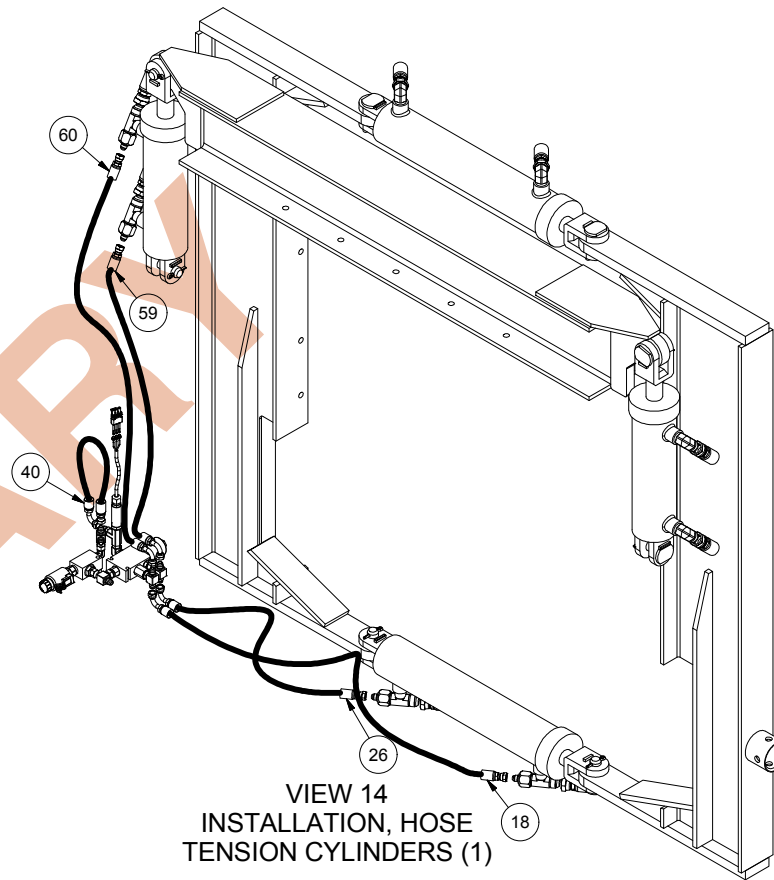
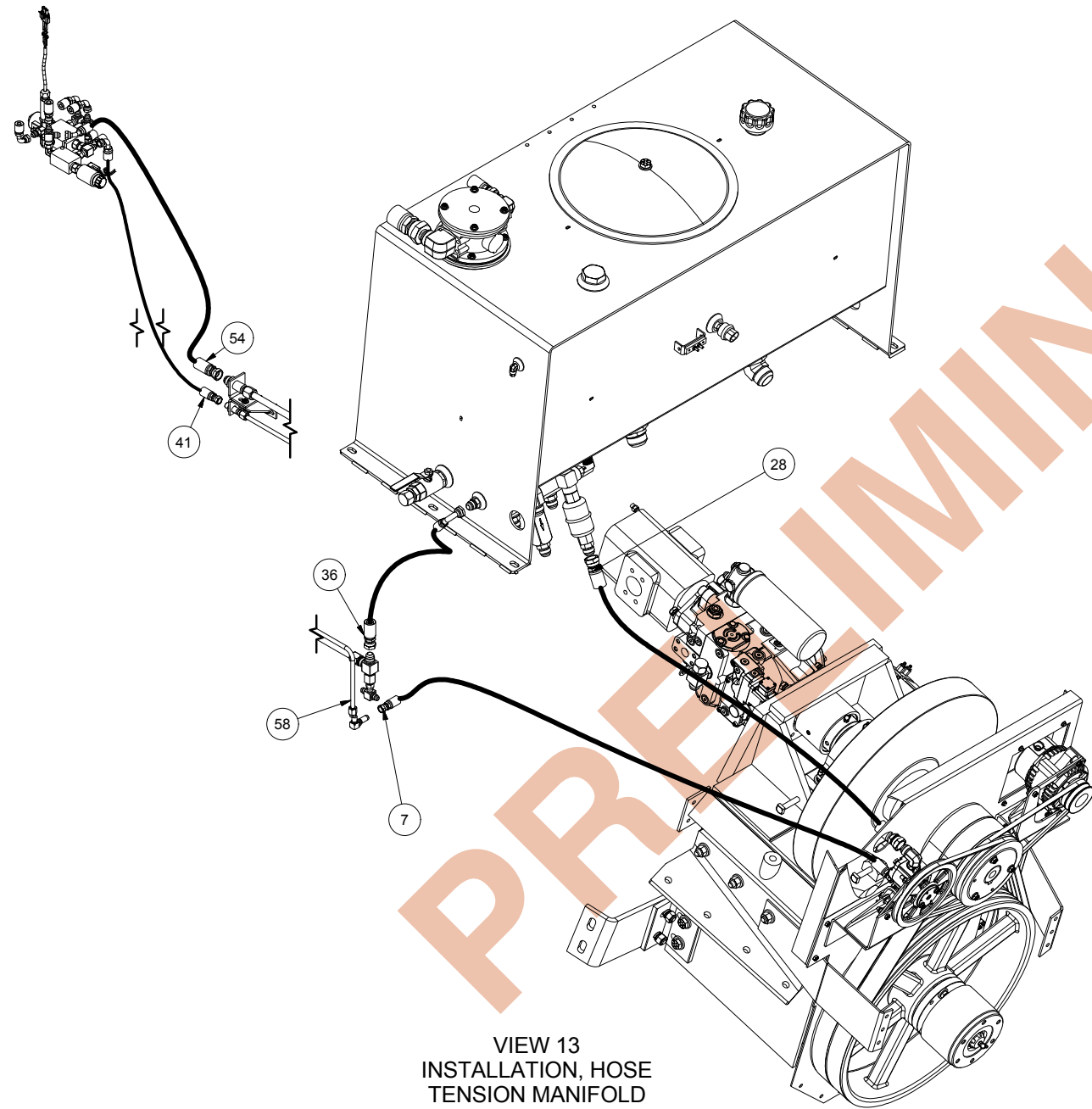
Hose Installation

Page 4 of 6



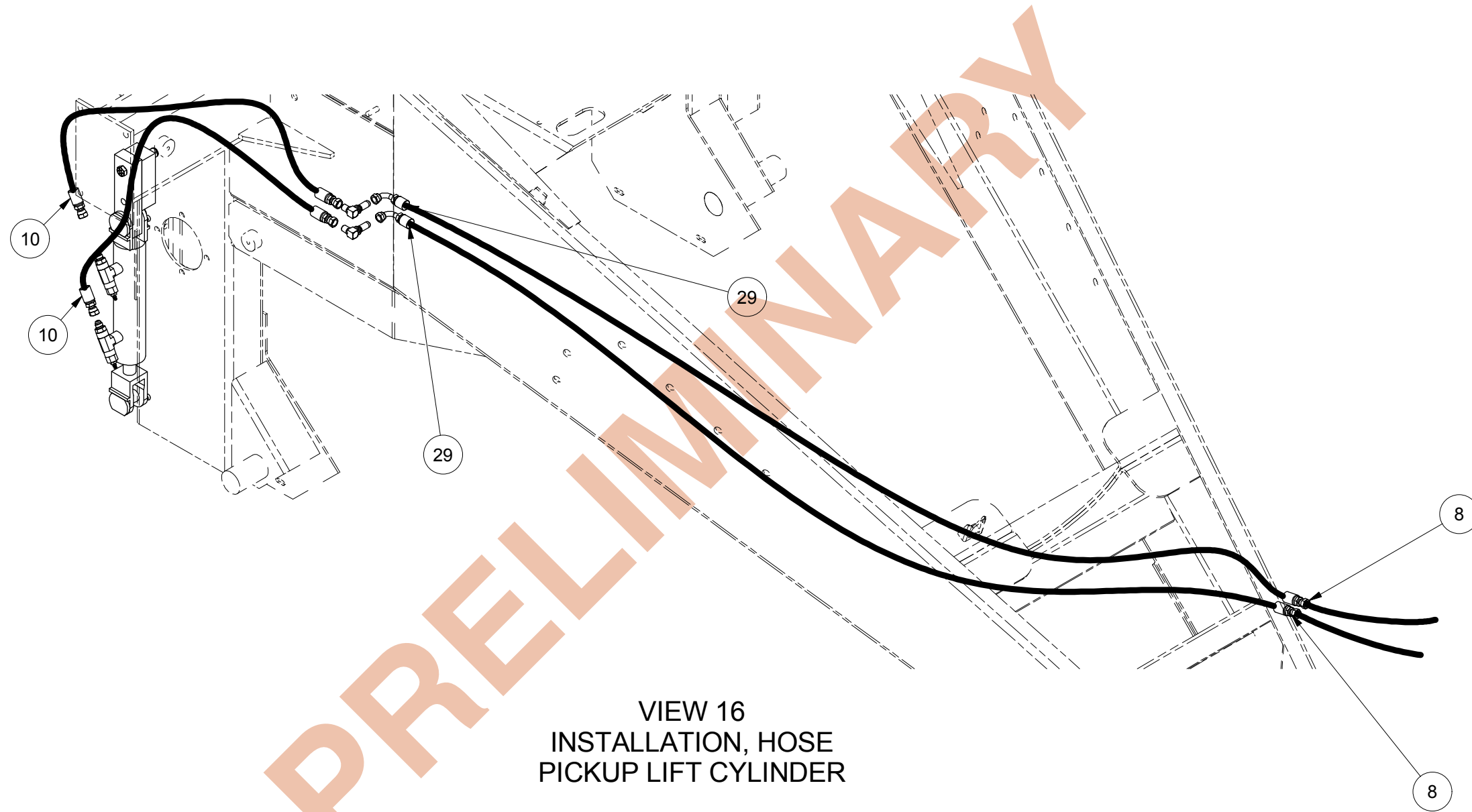
Hose Installation

Page 5 of 6



Hose Installation

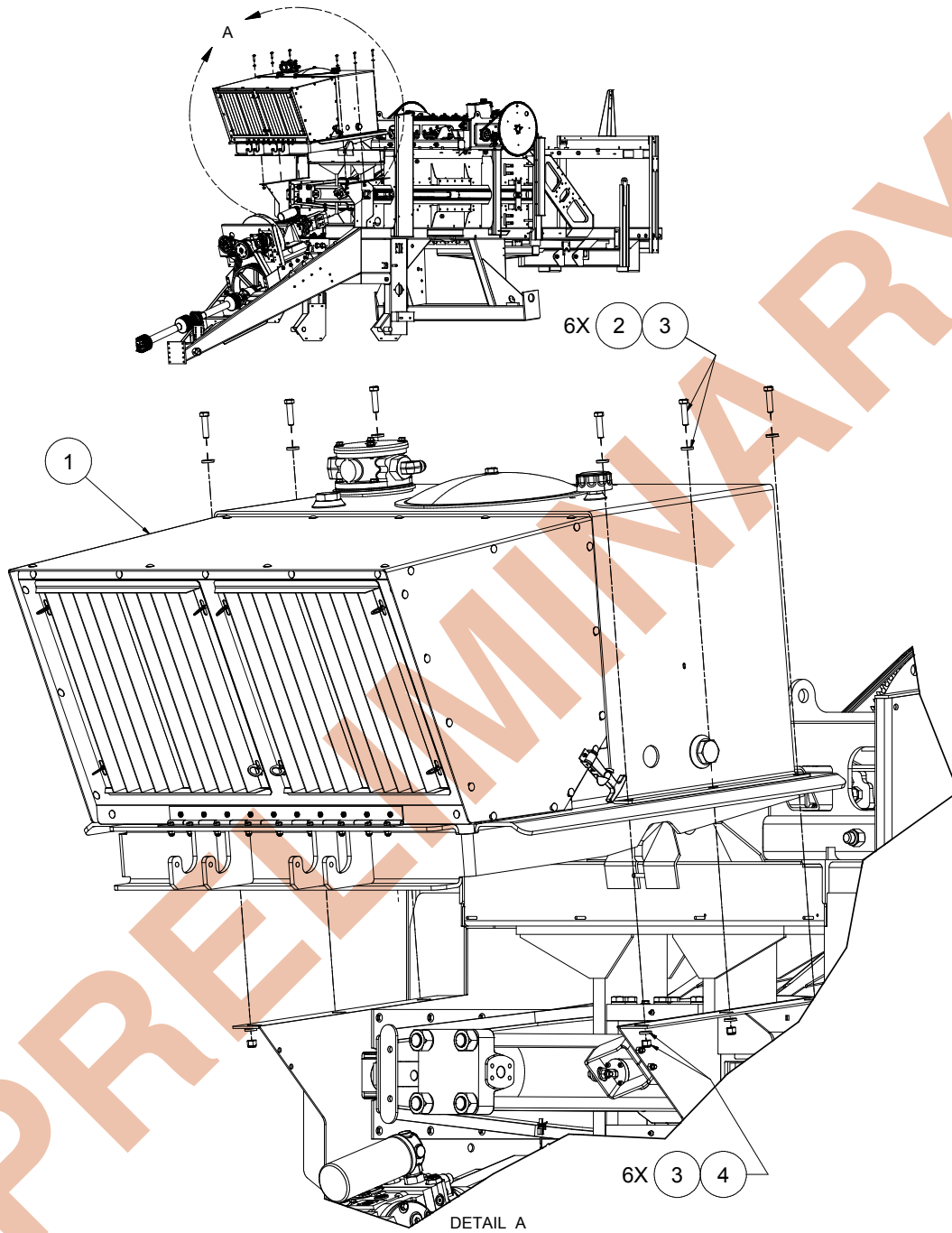
Page 6 of 6



VIEW 16
INSTALLATION, HOSE
PICKUP LIFT CYLINDER

Oil Cooler Installation

Page 1 of 1



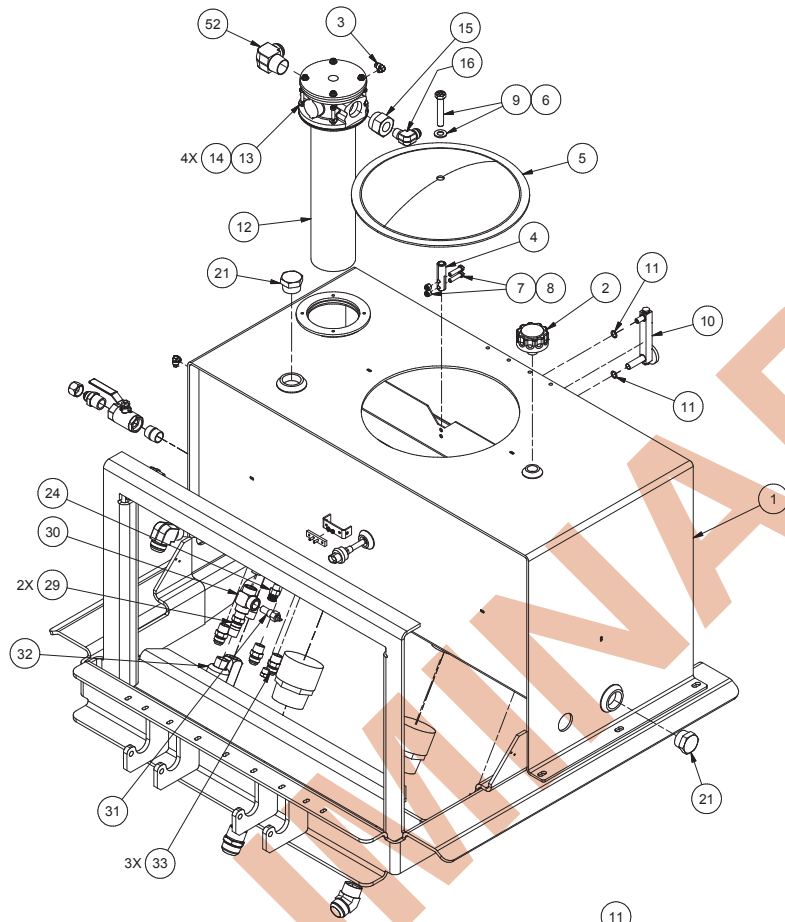
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
Oil Cooler Installation							
1	* 905730	1	. Reservoir, Hydraulic Assy (Page 135)	3	221771W	12	. Washer
2	R13811077	6	. Capscrew	4	R13811193	6	. Locknut

* See Separate Coverage

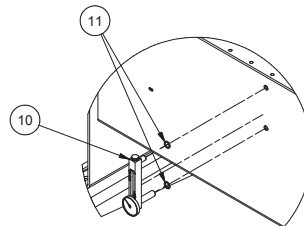
Rev A

Hydraulic Reservoir Assembly

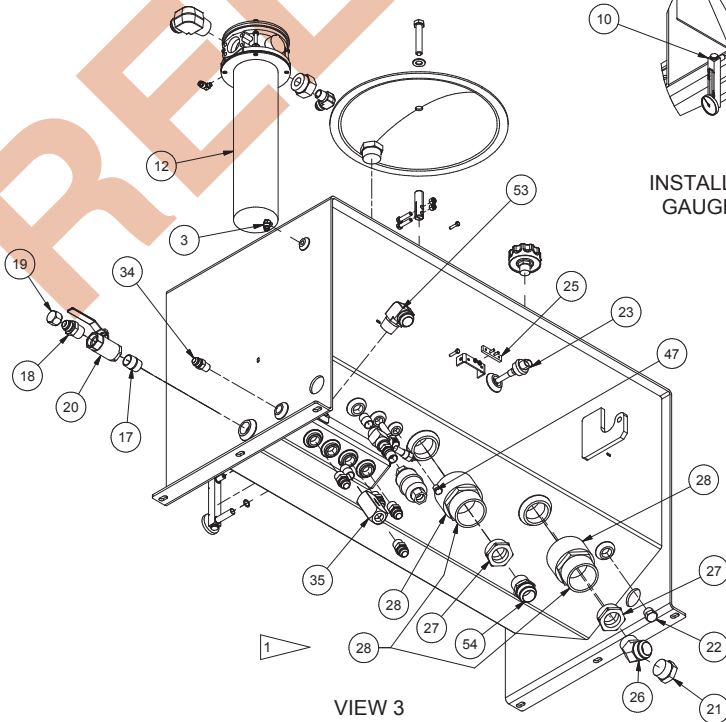
Page 1 of 4



VIEW 1
INSTALLATION, FITTINGS



VIEW 2
INSTALLATION, FITTINGS
GAUGE INSTALLATION



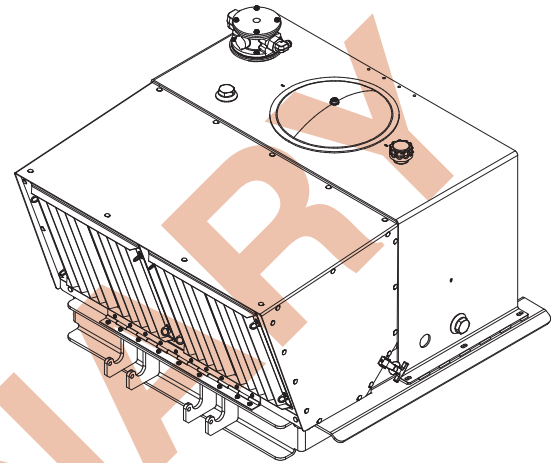
VIEW 3
INSTALLATION, FITTINGS
RESERVOIR DETAIL

Hydraulic Reservoir Assembly

Page 2 of 4

NOTES:

- 1 SUCTION SCREENS (SCR3001592) ARE INSTALLED INSIDE THE TANK.
- 2 ATTACH NEOPRENE STRIPS (905838) TO EACH OTHER AND TO RESERVOIR WELDMENT USING RUBBER CEMENT OR SIMILAR ADHESIVE.
- 3 TORQUE M6 MOUNTING BOLTS (287816W & Y19C-M0635) TO COMPRESS VIBRATION PADS AND STRIPS BY 1/32".



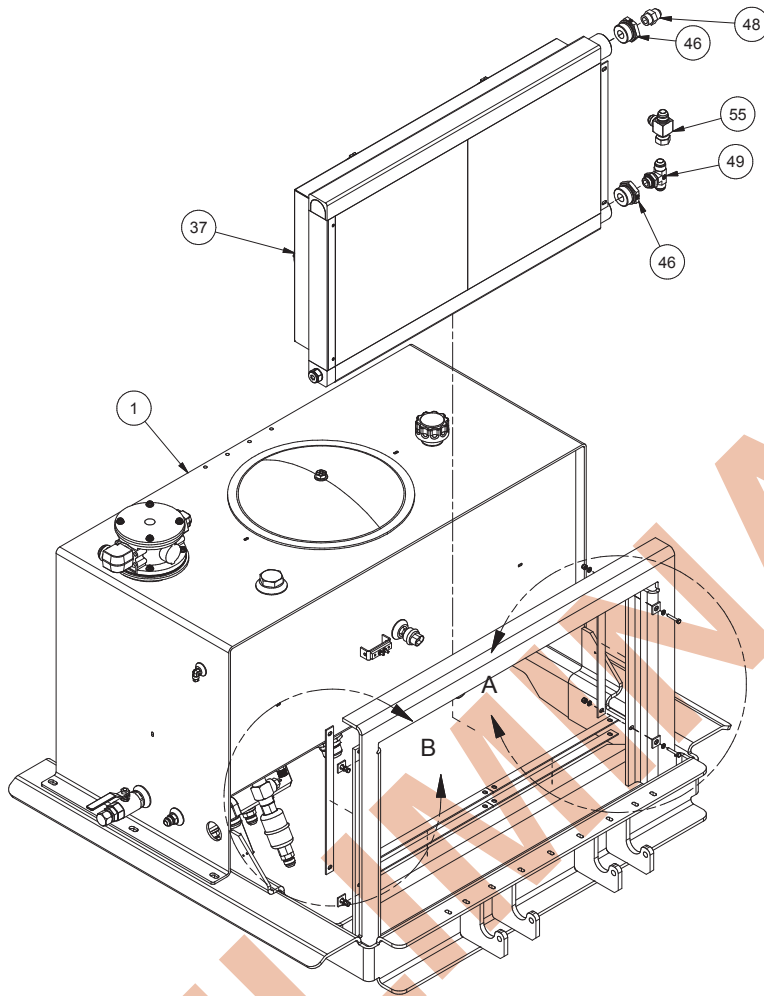
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905730 Hydraulic Reservoir Assembly							
1	905786	1	. Tank Weldment, Oil Cooler	29	PPE0000750	3	. Nipple
2	FIL1731101	1	. Filter, Breather	30	209601	1	. Fitting
3	F000001441	2	. Fitting	31	THM001592D	1	. Thermostat
4	DPT0004000	1	. Adapter, Baffle	32	FIL0000003	1	. Filter-Suction
5	CVR0000001	1	. Cover, Domed	33	209759	5	. Fitting
6	234663	1	. Flat Washer	34	209758	1	. Fitting
7	Y17C-0624	2	. Capscrew	35	VLV0075005	1	. Check Valve
8	R13811191	2	. Locknut	36	905838	6	. Strip
9	Y17C-1056	1	. Capscrew	37	905361	1	. Heat Exchanger
10	GAG0064051	1	. Gauge, Sight Level	38	296417W	6	. Hard Washer
11	HYD7629040	2	. O-Ring	39	R13811189	2	. Locknut
12	FIL0001592	1	. Filter	40	Y19C-M0635	2	. Capscrew
	240517	1	. Seal Kit	41	905839	4	. Pad
	906908	2	. Element, Filter	42	* 905736	1	. Cover Assy, Oil Cooler (Page 139)
13	R13802619	4	. Flat Washer	43	Y74G-(1032)12	4	. Capscrew
14	R13811015	4	. Capscrew	44	R13811014	9	. Capscrew
15	209892	1	. Fitting	45	287816W	2	. Capscrew
16	209417	1	. Fitting	46	905844	2	. Fitting
17	00127874	1	. Nipple, Pipe	47	209916	1	. Fitting
18	209533	1	. Fitting	48	248791	1	. Fitting
19	209090	1	. Fitting	49	245349	1	. Fitting
20	VLV0006001	1	. Ball Valve	50	R13802914	9	. Hard Washer
21	19166	2	. Fitting	51	232939	9	. Nut, Esna
22	209918	1	. Fitting	52	209784	1	. Fitting
23	SWI0000824	1	. Switch, Oil Level	53	209420	1	. Fitting
24	THM0714326	1	. Thermostat	54	209763	1	. Fitting
25	252629	1	. Terminal Block	55	209087	1	. Fitting
26	12607	1	. Fitting	56	LAT0000201	0	. Latch, Flex T-Handle
27	PPE2001500	2	. Bushing				
28	SCR3001592	2	. Suction Screen				

* See Separate Coverage

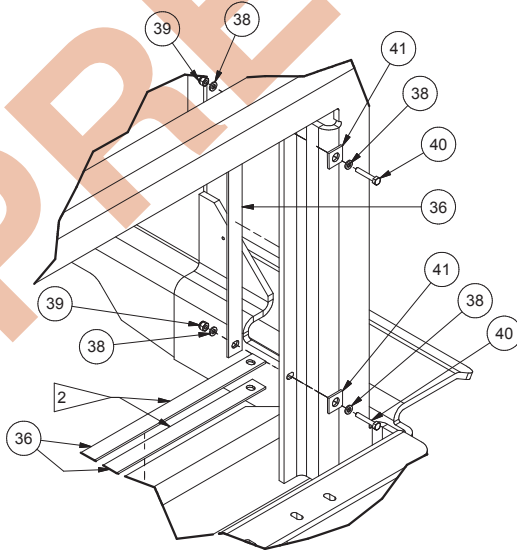
Rev -

Hydraulic Reservoir Assembly

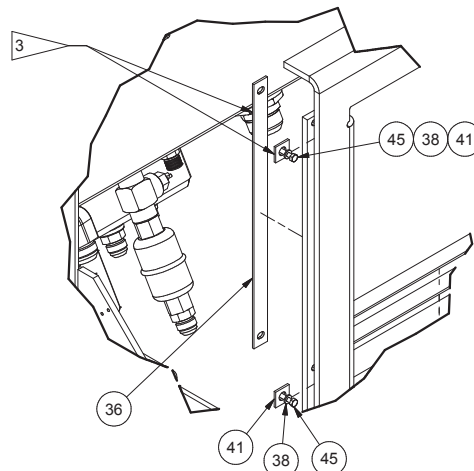
Page 3 of 4



VIEW 4
INSTALLATION, HEAT EXCHANGER



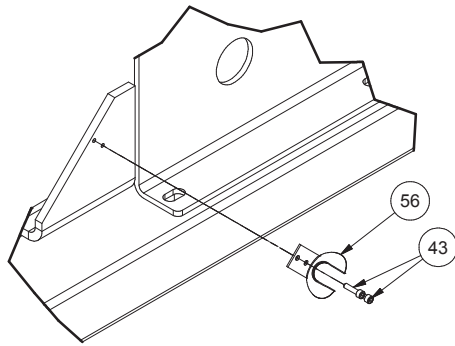
DETAIL A
INSTALLATION, HEAT EXCHANGER
NEOPRENE STRIP INSTALLATION, LH SIDE



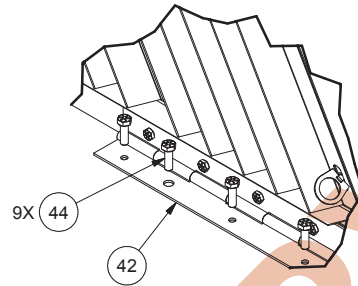
DETAIL B
INSTALLATION, HEAT EXCHANGER
NEOPRENE STRIP INSTALLATION, RH SIDE

Hydraulic Reservoir Assembly

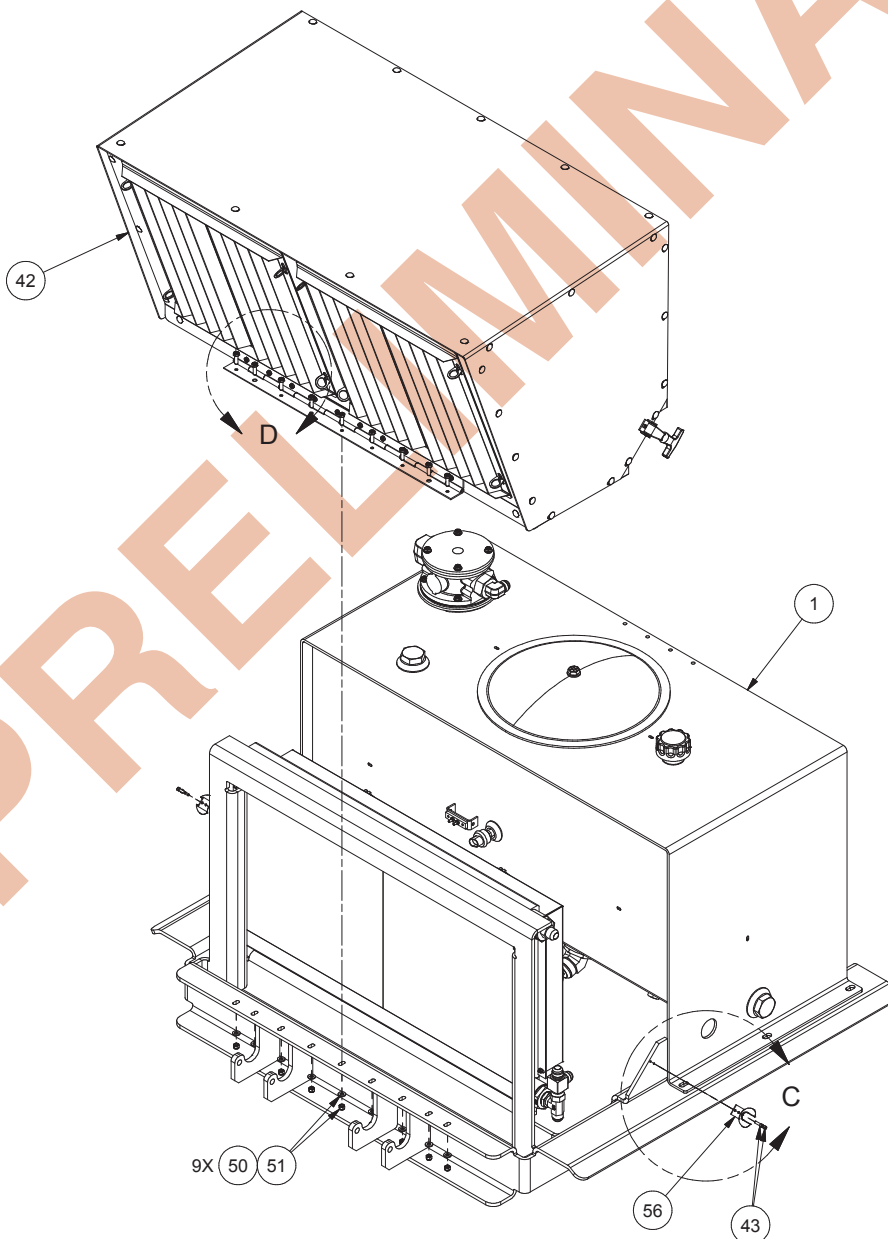
Page 4 of 4



DETAIL C
INSTALLATION, COVER
LATCH KEEPER INSTALLATION

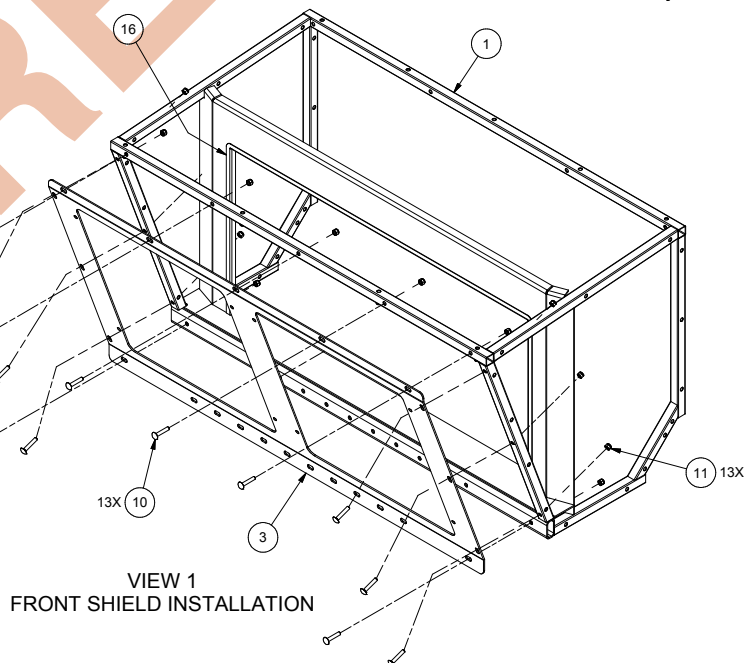
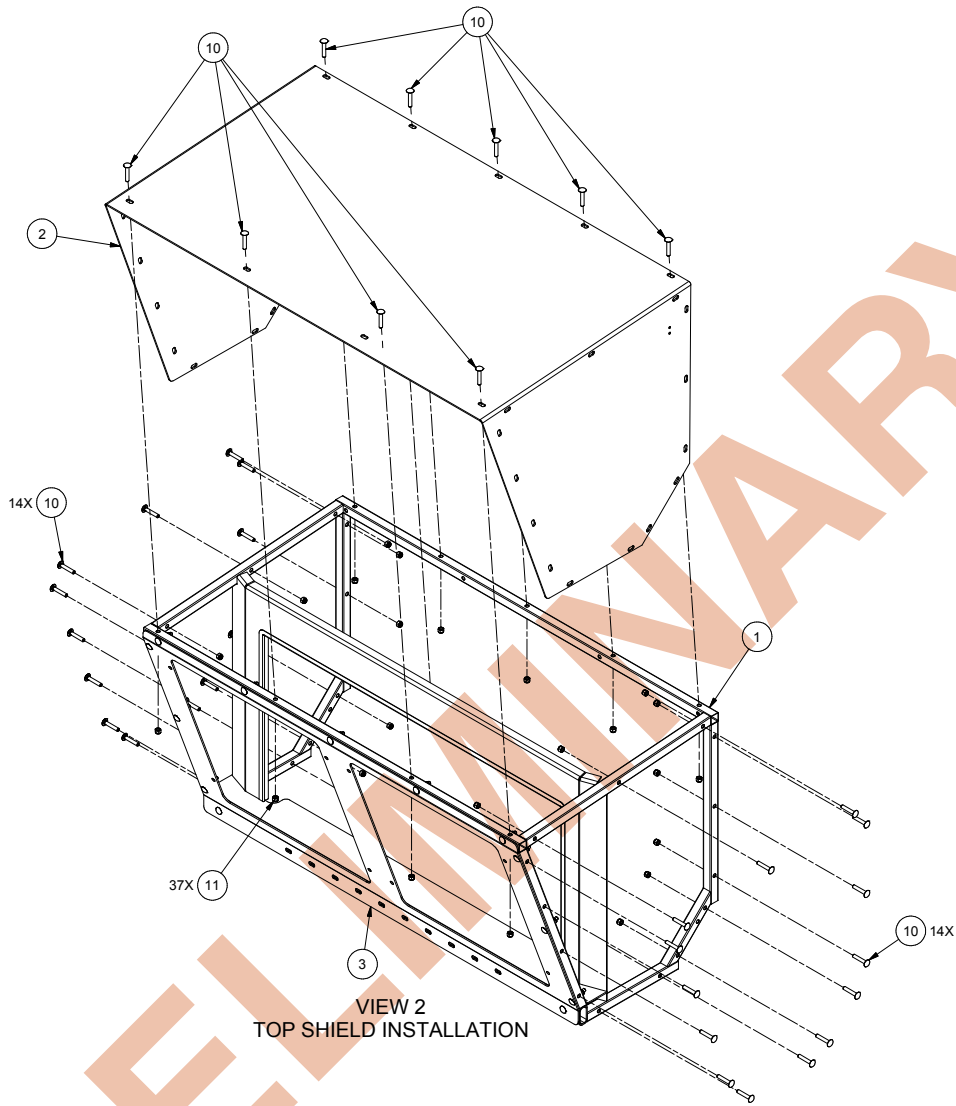


DETAIL D
INSTALLATION, COVER
HINGE INSTALLATION



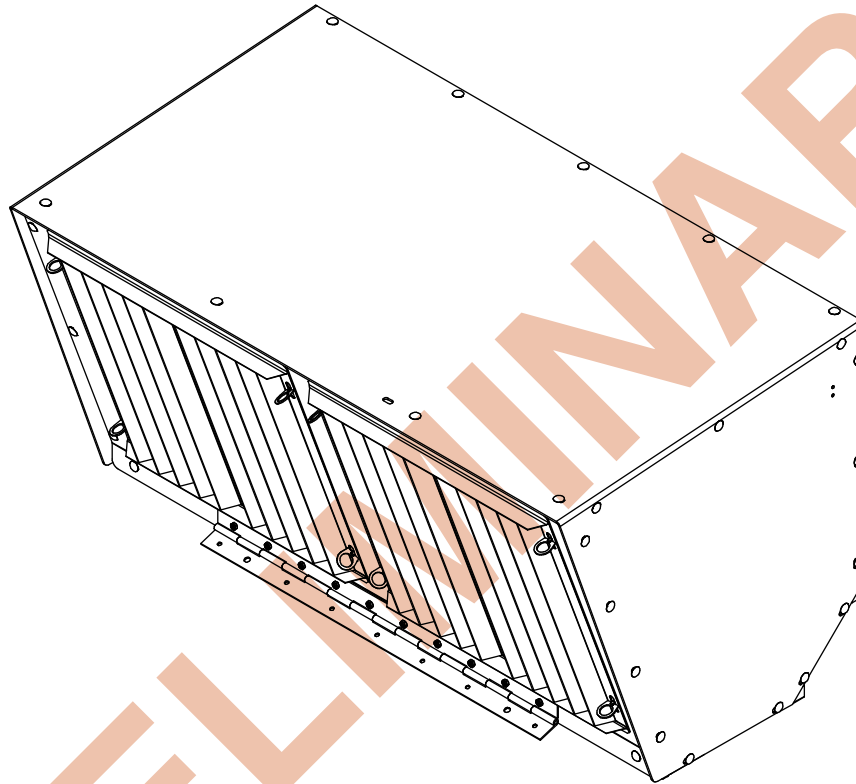
Cover Assembly, Oil Cooler

Page 1 of 4



Cover Assembly, Oil Cooler

Page 2 of 4



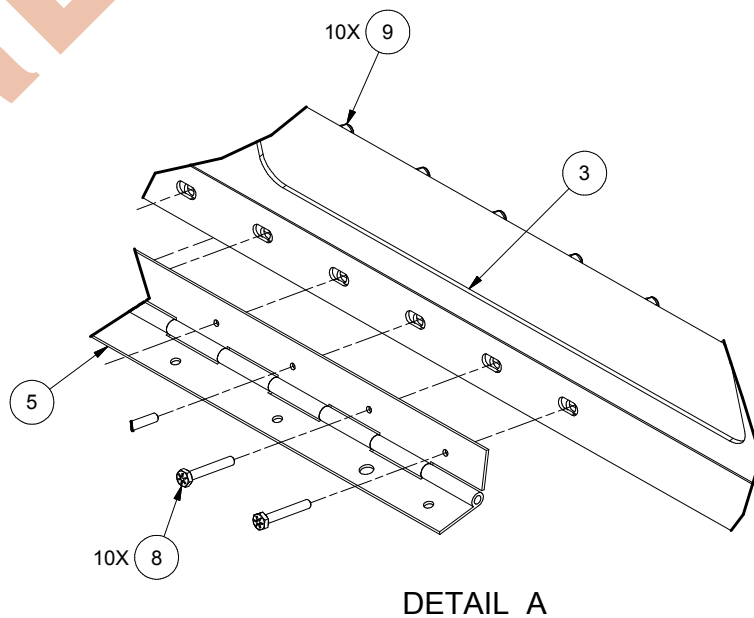
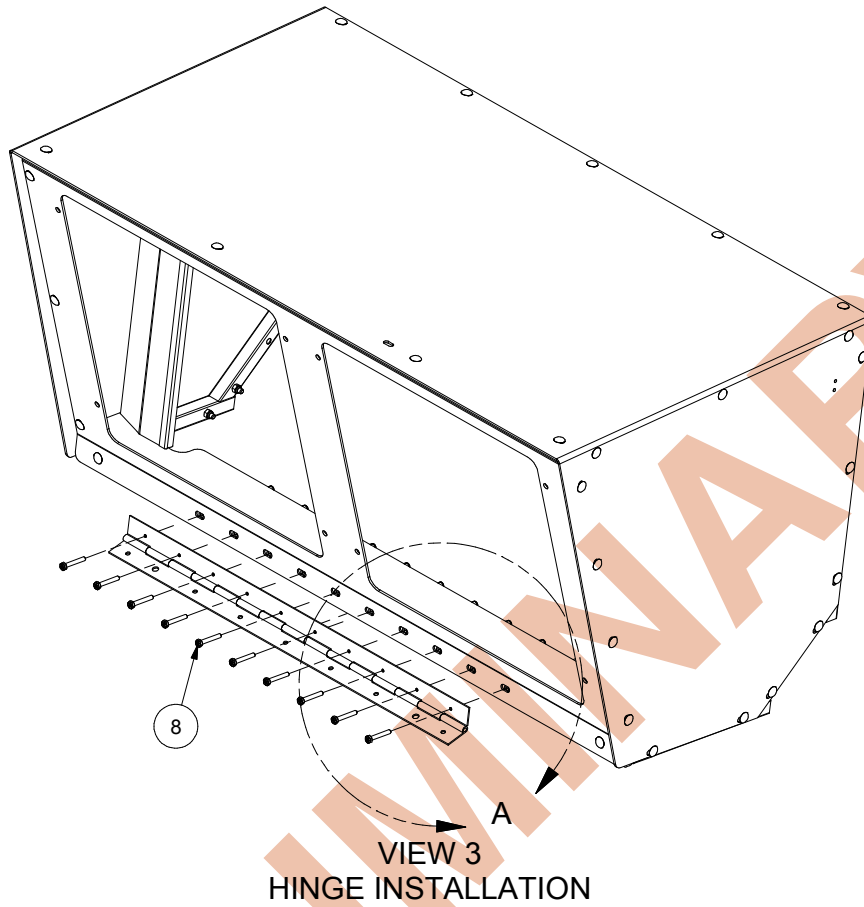
PRELIMINARY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905736		Cover Assembly, Oil Cooler				
1	905737	1	. Frame Weldment, Oil Cooler	8	R13810996	10	. Capscrew
2	905771	1	. Plate, Top	9	R13811189	10	. Locknut
3	905773	1	. Plate, Front	10	CRB3131750	50	. Bolt
4	GRL0023379	2	. Grill Weldment	11	232939	50	. Nut, Esna
5	HNG0023458	1	. Sheave Front Shield Hinge	16	237271	7'	. Trim, Edge
7	FST0010401	8	. Fastener, Folding Handle				

Rev A

Cover Assembly, Oil Cooler

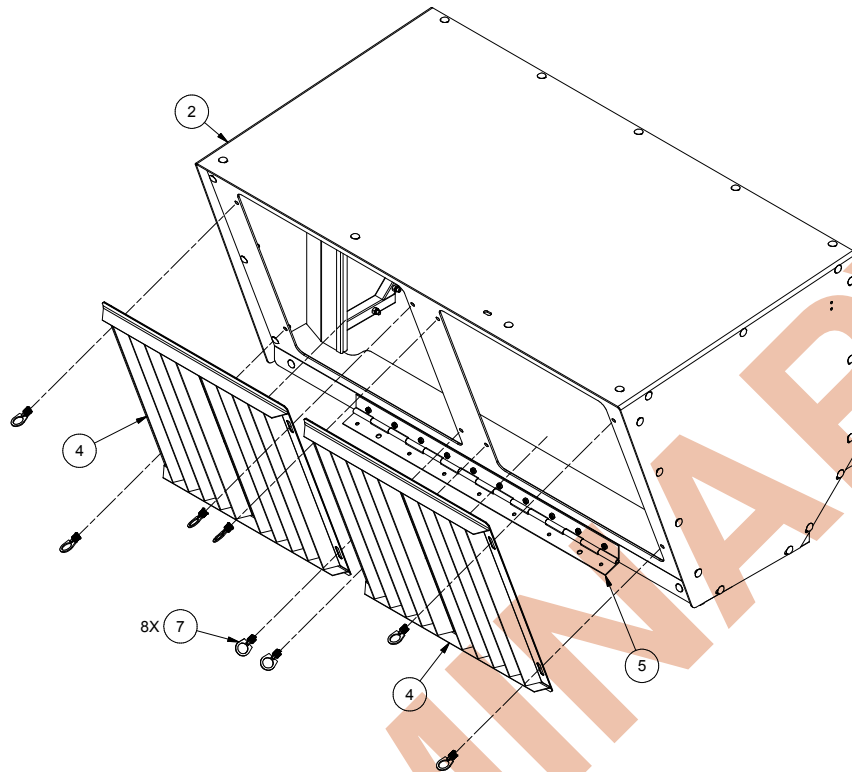
Page 3 of 4



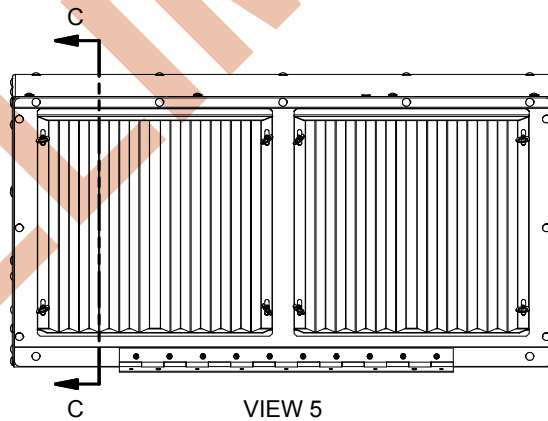
DETAIL A

Cover Assembly, Oil Cooler

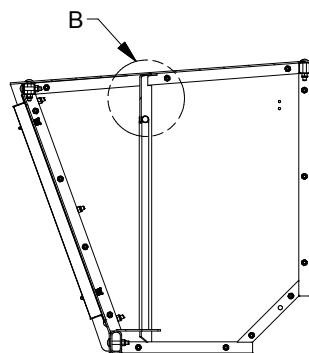
Page 4 of 4



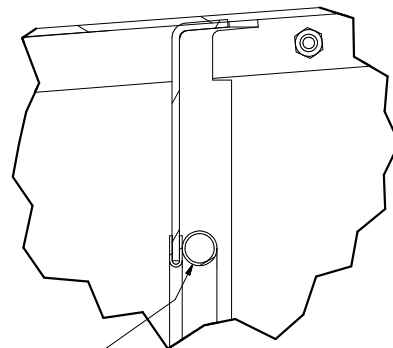
VIEW 4
GRILLE INSTALLATION



VIEW 5
SEAL INSTALLATION



SECTION C-C



DETAIL B

List, Electrical

Page 1 of 1

Note: Illustration not available at time of publication.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905882		List, Electrical				
1	* 905891	1	. Control System Schematic (Page 143)	5	* 905890	1	. Lights Installation, Knot Ind (Page 165)
2	* 905883	1	. Wire Harness Installation, ICM (Page 145)	6	906343	2	. Wire Assembly
3	* 905884	1	. Control Sys Installation, ICM (Page 150)	7	906344	1	. Wire Harness
4	* 905885	1	. Lights Installation (Page 161)				

* See Separate Coverage

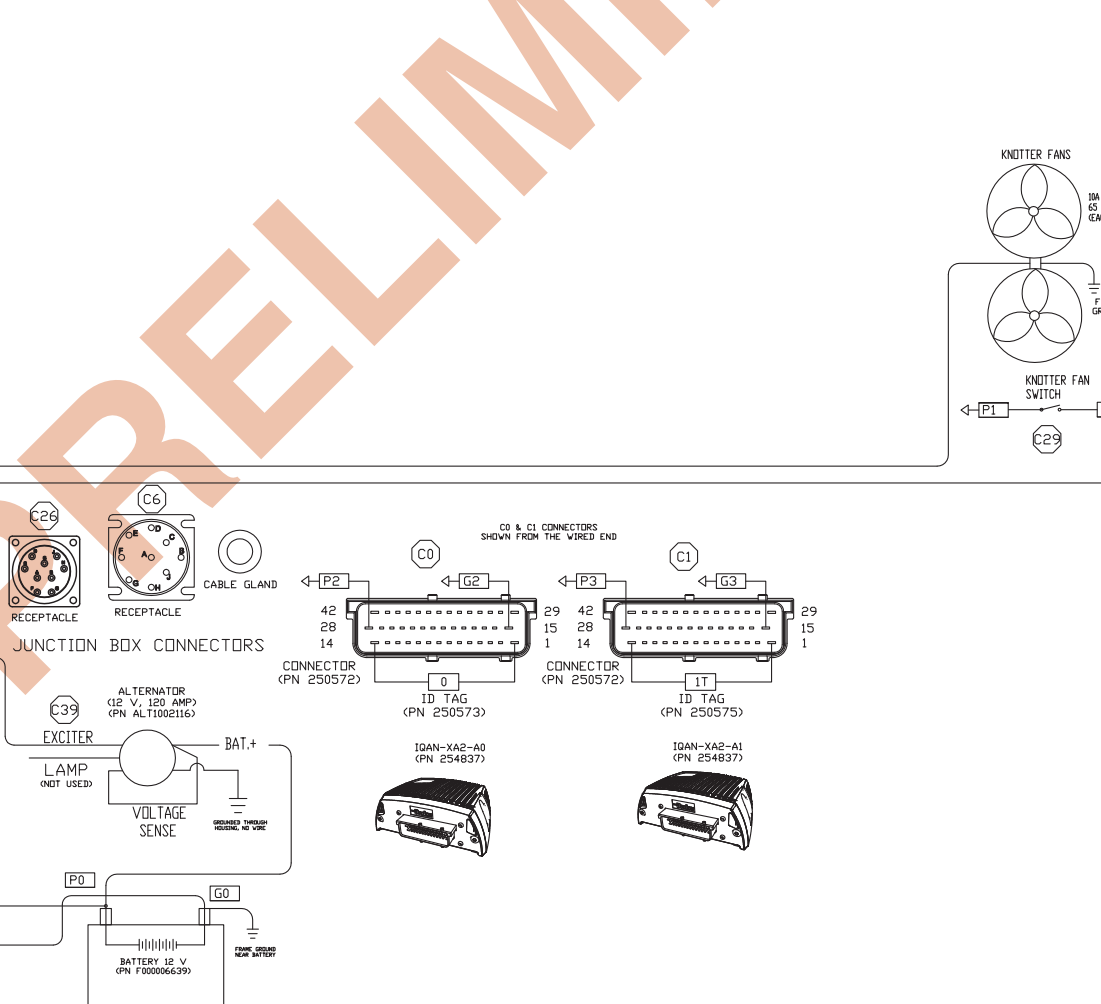
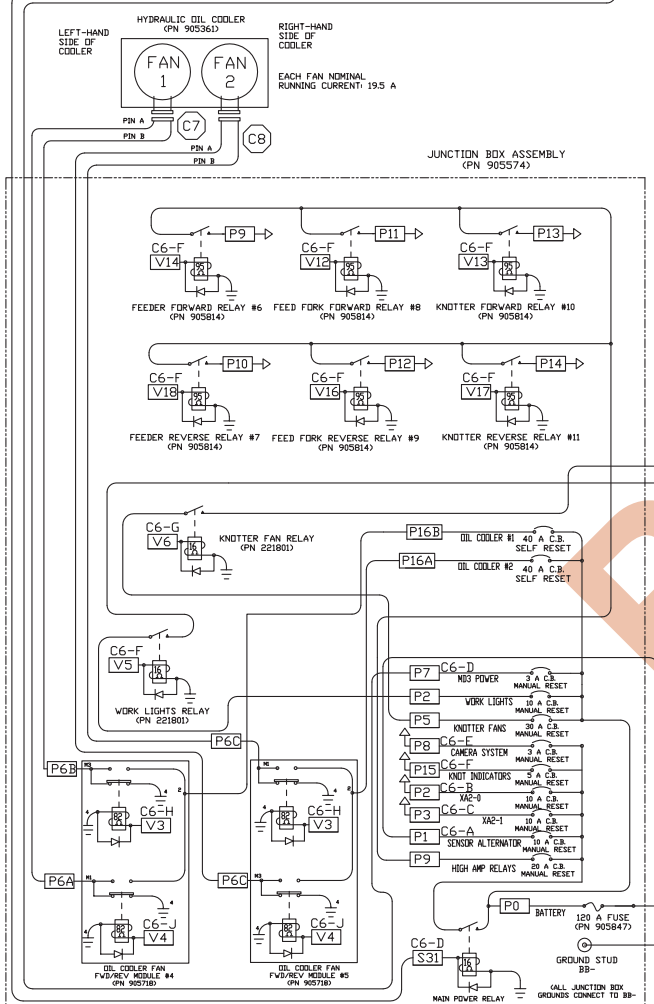
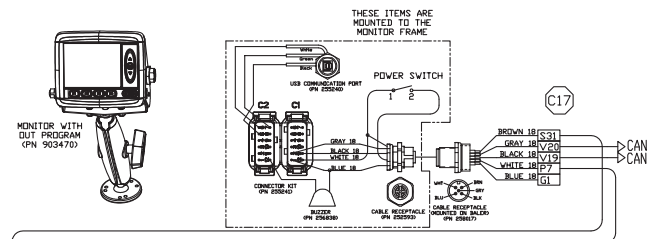
Control System Schematic

Page 1 of 2

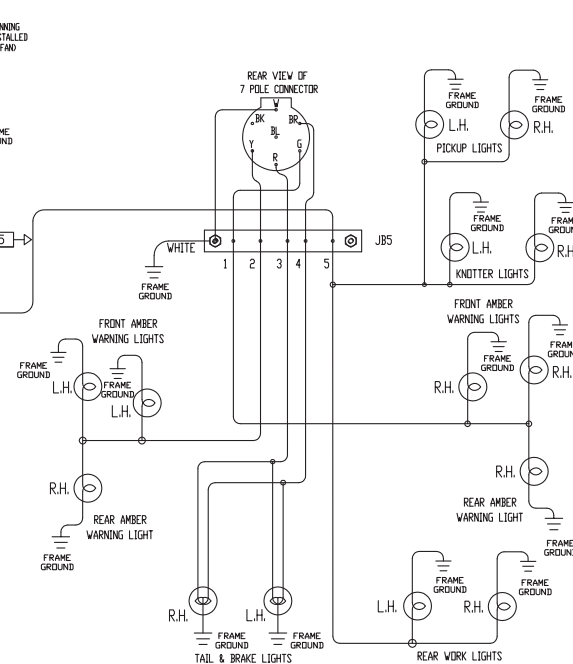
POWER & GROUND CIRCUITS	NAME,COLOR	FUNCTION
G1 (FRAME) - C015, C115, C10, C11, C13, C15, C16, C17, C19, C20, C23, C24, C25, C27, C28, C30, C35, C36, C38, C40, C41,	G1, BLK 16/18	HARNESS -
G2 (FRAME) - C015		HARNESS -
G3 (FRAME) - C115		HARNESS -
G4 (FRAME) - C9G4, C18G4, C21G4	G4, BLK 16	FD FK, KNT, FEEDR GND
P1 (C6A) - C4, C6, C10, C11, C13, C15, C16, C19, C20, C23, C24, C25, C28, C29, C30, C31, C35, C38, C39	P1, RED 16/18	HARNESS +
P2 (C6B) - C028	P2, WHT/RED 16	XA2-0 +
P3 (C6C) - C128	P3, RED/WHT 16	XA2-1 +
P7 (C6D) - C17S31	P7, YEL 18	MAIN RELAY +
P8 (C6E) - C36P8	P8, PNK 16	CAMERA OPT +
P9 (C6G) - C9P9	P9, GRN/BLK 16	FEEDER FORWARD +
P10 (C6H) - C9P10	P10, GRN/WHT 16	FEEDER REVERSE +
P11 (C6J) - C18P11	P11, DRNGE 16	FEED FRK FORWARD +
P12 (C6K) - C18P12	P12, DRG/BLK 16	FEED FRK REVERSE +
P13 (C6L) - C21P13	P13, BLU/WHT 16	KNOTTER FORWARD +
P14 (C6M) - C21P14	P14, BLU/BLK 16	KNOTTER REVERSE +
P15 (C6F) - C41P15	P15, BRN 16	KNOT SENSOR +

INPUTS *S*	NAME,COLOR	FUNCTION
C010 - C2S1	S1, DRG 18	COO (CONTROL OUTPUT DISABLE), LH
C011 - C2S2	S2, BLUE 18	FEED FORK STOP
C012 - C2S3	S3, GRAY 18	FULL CHAMBER
C013 - C16S4	S4, GREEN 18	LOW OIL SENSOR
C016 - C29S5	S5, LT BLUE 18	KNOTTER FAN SWITCH
C139 - C35S6	S6, BLU/BLK 18	TENSION PRESSURE
C019 - C31S8	S8, GRN/BLK 18	HOT OIL SHUT DOWN
C024 - C30S11	S11, DRNGE 18	KNOTTER HOME
C025 - C28S12	S12, DRG/BLK 18	NEEDLES HOME
C038 - C30S19	S19, YELLOW 18	BALE LENGTH POTENTIOMETER
C110 - C10S21	S21, WHT/BLK 18	PLUNGER LINEAR POSITION SENSOR
C111 - C13S22	S22, WHT/BLUE 18	PICKUP/FEEDER PRESSURE SENDER
C112 - C15S23	S23, BLK/RED 18	FEED FORK/KNOTTER PRES. SENDER
C113 - C11S24	S24, BLK/WHT 18	PLUNGER PRESSURE SENDER
C124 - C24S25	S25, BLU/WHT 18	KNOTTER TOOTH COUNT SENSOR
C125 - C14S26	S26, BLU/YEL 18	OIL TEMP. SENDER
C138 - C19S27	S27, GRAY/BLK 18	FEED FORK TOOTH COUNT SENSOR
C142 - C14S28,C30S28	S28, RED/YEL 18	5V REFERENCE
C4S29 - C3S29	S29, BLU/RED 18	COO SWITCH, RIGHT SIDE
C3S30 - C2S30	S30, BLU/WHT 18	COO SWITCH, TOP NEAR FAN SWITCH
C039 - C30S32	S32, PINK 18	ACCUMULATOR PRESSURE
C26A - C17S31	S31, RED/BLK 18	MAIN POWER
C030 - C40S33	S33, YEL 18	PICKUP SPEED SENSOR
C117 - C41S34	S34, GRN/DRG 18	KNOTTER 1 SENSOR
C131 - C41S35	S35, GRN/YEL 18	KNOTTER 2 SENSOR
C118 - C41S36	S36, YEL/RED 18	KNOTTER 3 SENSOR
C132 - C41S37	S37, BLU/YEL 18	KNOTTER 4 SENSOR
C119 - C41S38	S38, BLU/GRN 18	KNOTTER 5 SENSOR
C133 - C41S39	S39, LT BLU/BLK 18	KNOTTER 6 SENSOR

OUTPUTS *V*	NAME,COLOR	FUNCTION
C09 - C27V2	V2, GREEN 18	TENSION RAIL OPEN
C022 - C26B (V3)	V3, LT BLUE 18	OIL COOLER FAN FORWARD RELAY
C023 - C26C (V4)	V4, LT GREEN 18	OIL COOLER FAN REVERSE RELAY
C036 - C26D (V5)	V5, WHITE 18	WORK LIGHTS RELAY
C037 - C26E (V6)	V6, GRAY 18	KNOTTER FAN RELAY
C12 - C22B.C (V7)	V7, GRN/WHT 18	PLUNGER COMMON (-)
C116 - C22A (V11)	V11, BLK/BLU 18	PLUNGER EXTEND (+)
C122 - C26H	V12, DRG 18	FEED FORK FORWARD RELAY (+)
C136 - C26K	V13, BLU/WHT 18	KNOTTER FORWARD RELAY (+)
C18 - C26F	V14, GRN/BLK 18	FEEDER FORWARD RELAY (+)
C130 - C22D (V15)	V15, BLU/RED 18	PLUNGER RETRACT (+)
C123 - C26J	V16, DRG/BLK 18	FEED FORK REVERSE RELAY (+)
C137 - C26L	V17, BLU/BLK 18	KNOTTER REVERSE RELAY (+)
C19 - C26G	V18, GRN/WHT 18	FEEDER REVERSE RELAY (+)
C026 - C17V19	V19, PURPLE 18	CAN H, TO ICM (IN-CAB MONITOR)
C040 - C17V20	V20, GRAY 18	CAN L, TO ICM
C027 - C127	V19, PURPLE 18	CAN H, BETWEEN XA2 MODULES
C041 - C141	V20, GRAY 18	CAN L, BETWEEN XA2 MODULES
C120 - C34V21	V21, YEL 18	TENSION PRESSURE PWM (+)
C16 - C34V24	V22, BRN 18	TENSION PRESSURE COMMON (-)



NOTES:
 1. SYMBOL REPRESENTS THE WIRE IS CONNECTING TO ANOTHER POINT IN THE HARNESS AND WIRE IS NOT SHOWN.
 2. CIRCUIT SHOWN WITH PTO OFF AND MAIN POWER OFF.



905891

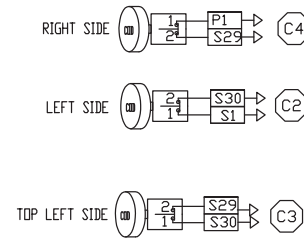
Control System Schematic; 1592

Rev A

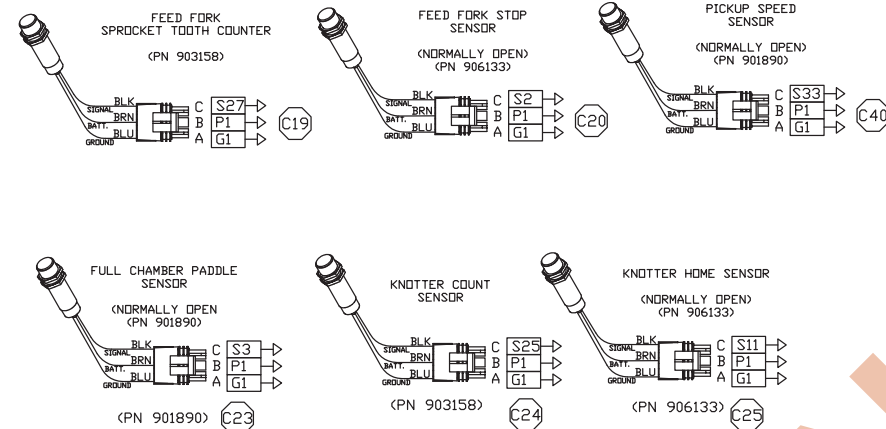
Control System Schematic

Page 2 of 2

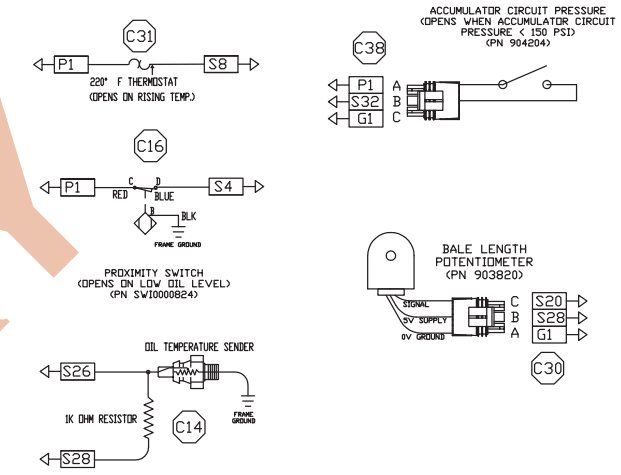
CONTROL OUTPUT DISABLE BUTTONS



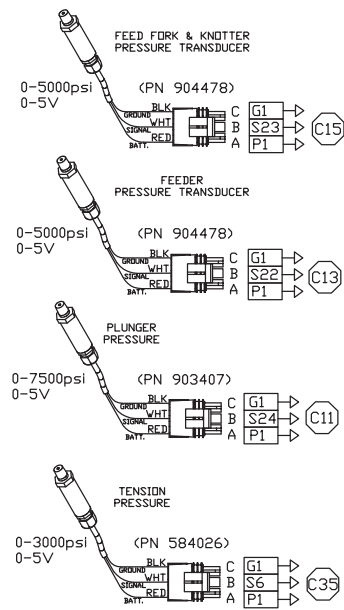
TOOTH COUNTER AND PROXIMITY SENSORS



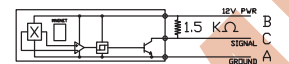
SWITCHES AND BALE LENGTH MONITOR



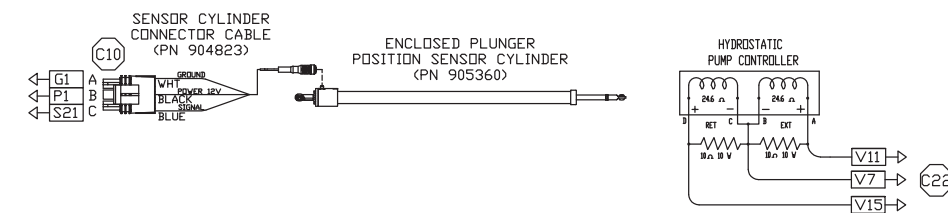
PRESSURE TRANSDUCERS



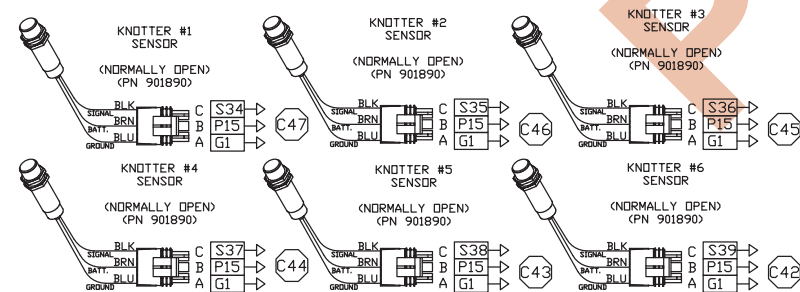
INTERNAL DIAGRAM OF TOOTH COUNTER



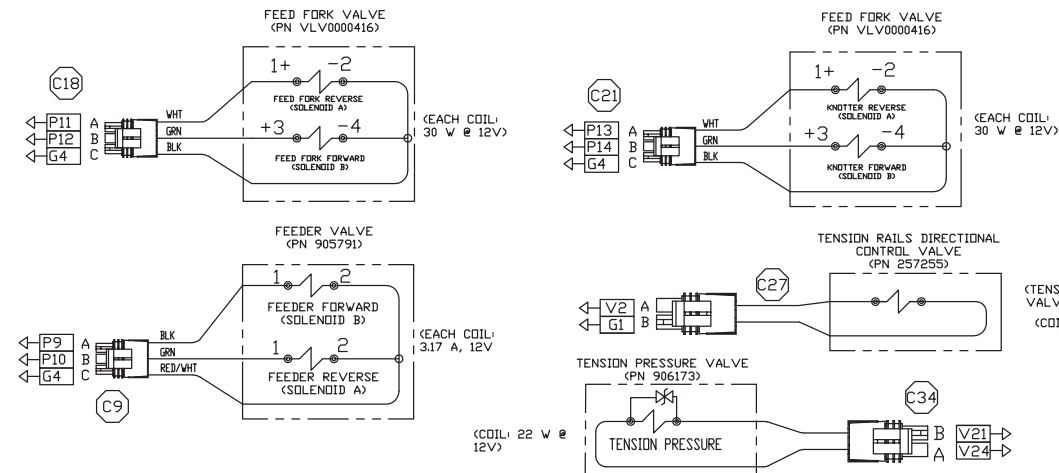
PLUNGER POSITION SENSOR AND MAIN PUMP CONTROLLER



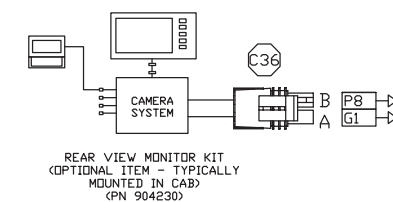
KNOT SENSORS



SOLENOID VALVES

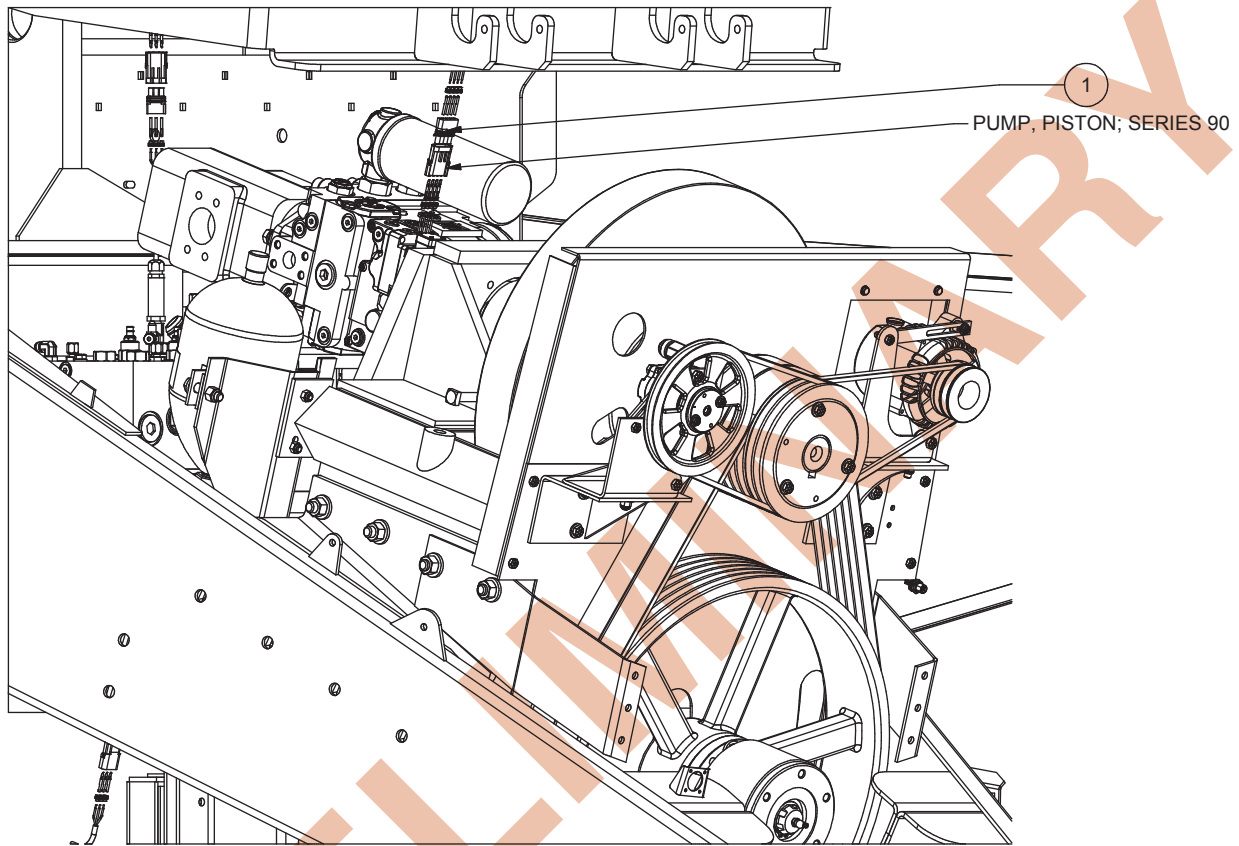


OPTIONS



Wire Harness Installation, ICM

Page 1 of 5



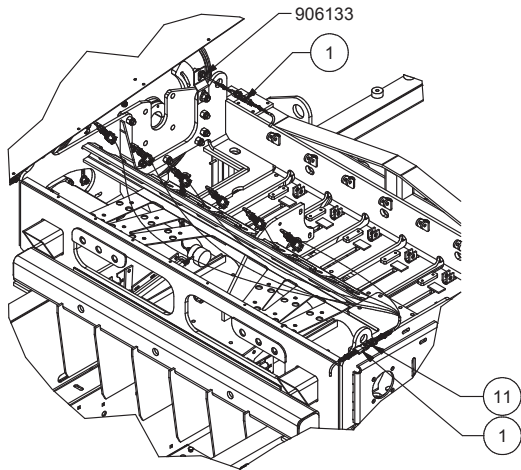
IQAN HARNESS, MAIN PUMP CONNECTION

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905883 Wire Harness Installation, ICM							
1	905716	1	. Wire Harness	7	R13803034	1	. Clip, Insulated
2	905281	1	. Plate, Shield	8	R13808094	1	. Clip, Insulated
3	221763W	2	. Washer	9	264150W	1	. Nut
4	R13811189	2	. Locknut	10	156133W	1	. Nut
5	R13803021	1	. Clip, Insulated	11	905886	0	. Wire Harness
6	R13803026	1	. Clip, Insulated				

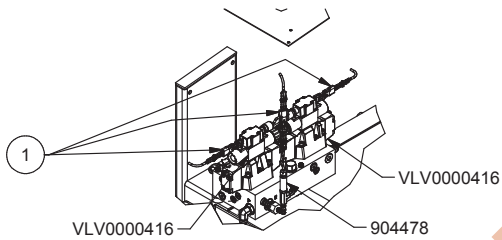
Rev A

Wire Harness Installation, ICM

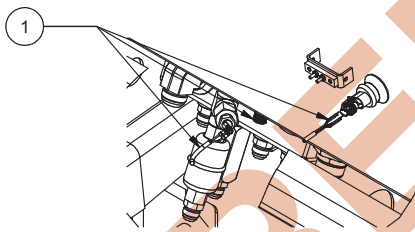
Page 2 of 5



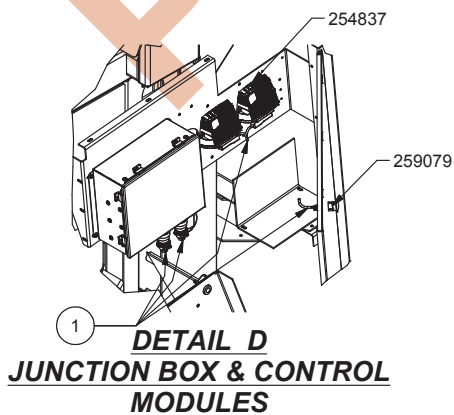
DETAIL C
KNOT INDICATOR



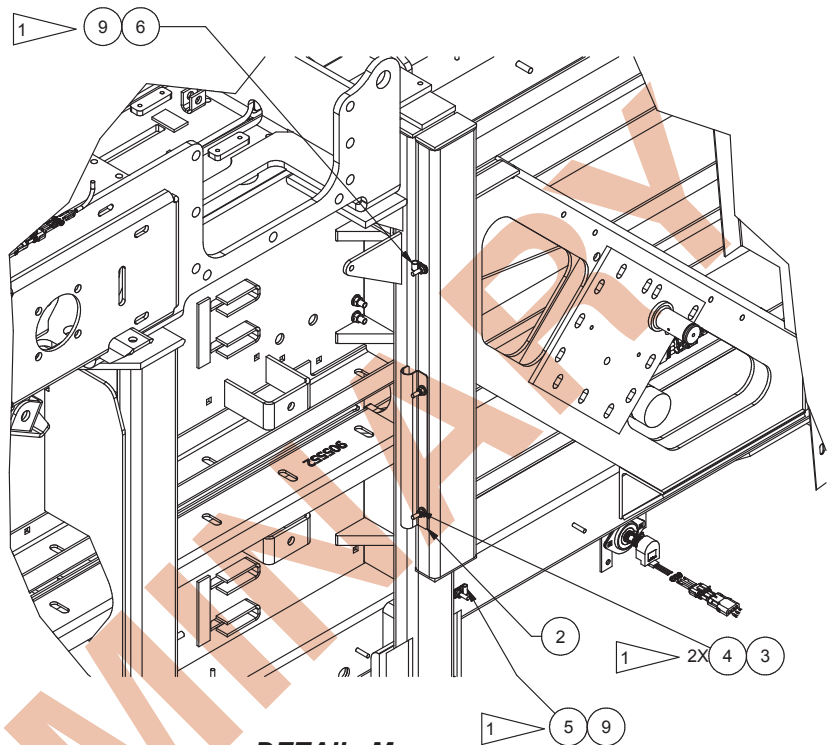
DETAIL B
KNOTTER/FEEDFORK MANIFOLD



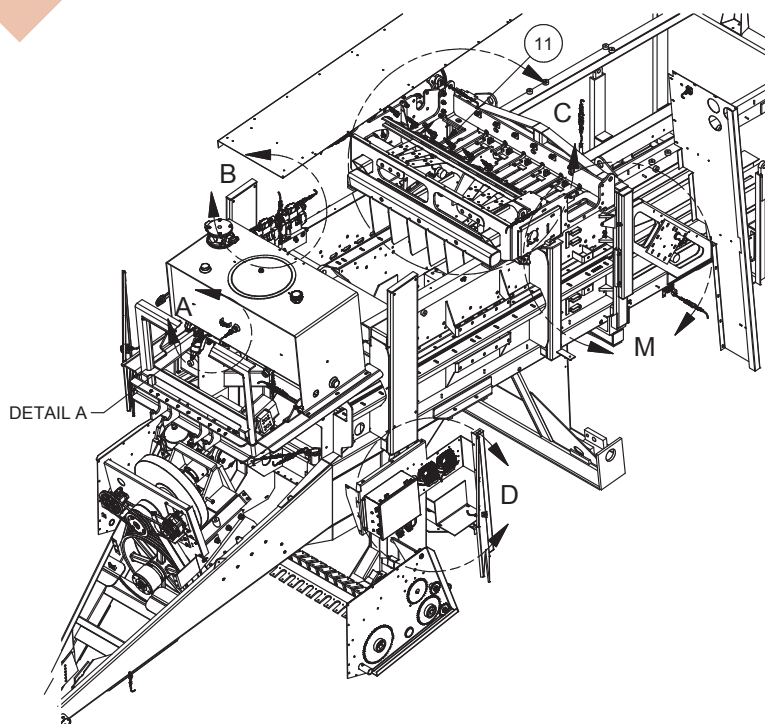
DETAIL A
HYDRAULIC TANK



DETAIL D
JUNCTION BOX & CONTROL
MODULES

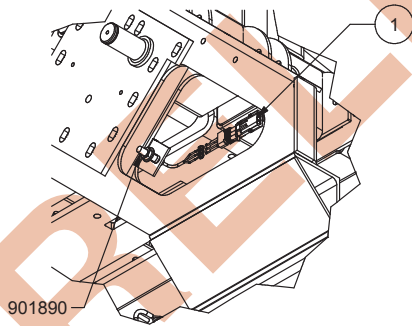
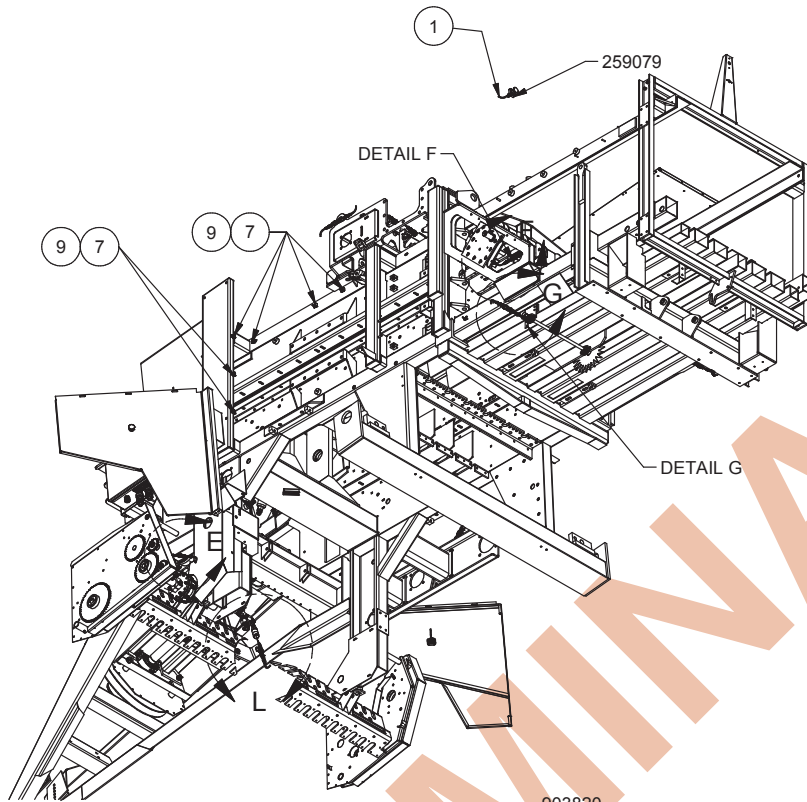


DETAIL M
INSULATING CLIPS &
WIRE HARNESS SHIELD

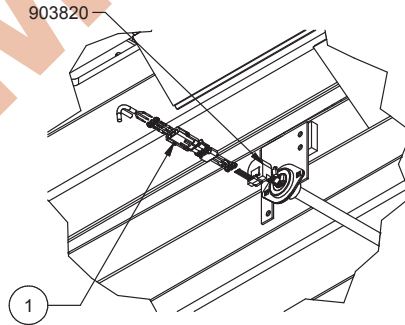


Wire Harness Installation, ICM

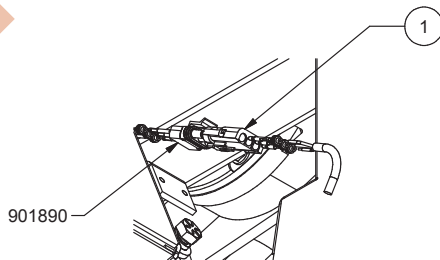
Page 3 of 5



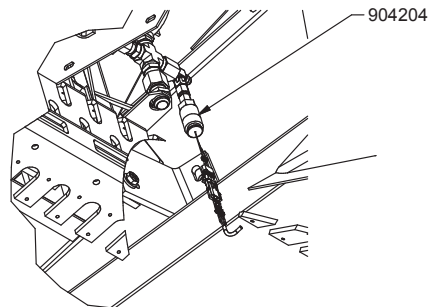
DETAIL F
NEEDLE YOKE STOP
SENSOR



DETAIL G
BALE LENGTH METER



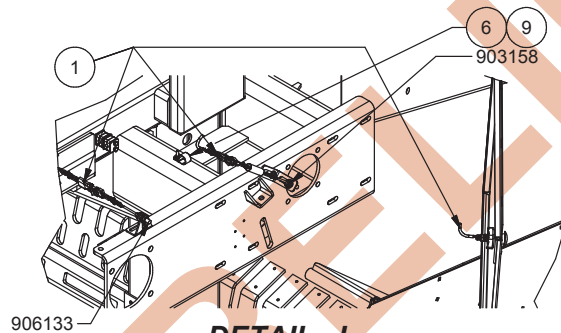
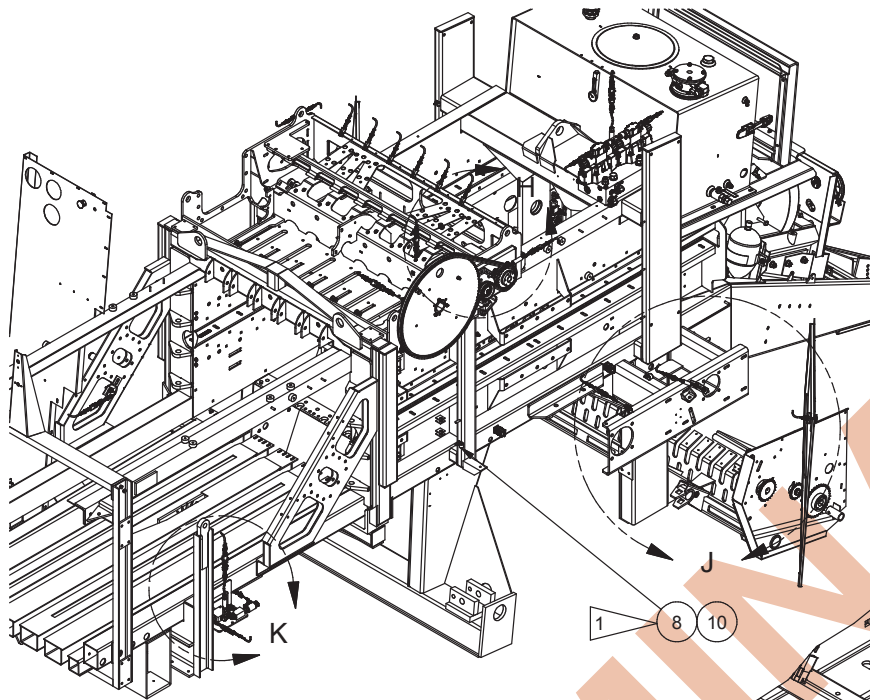
DETAIL E
PICKUP SENSOR



DETAIL L
PRESSURE SWITCH

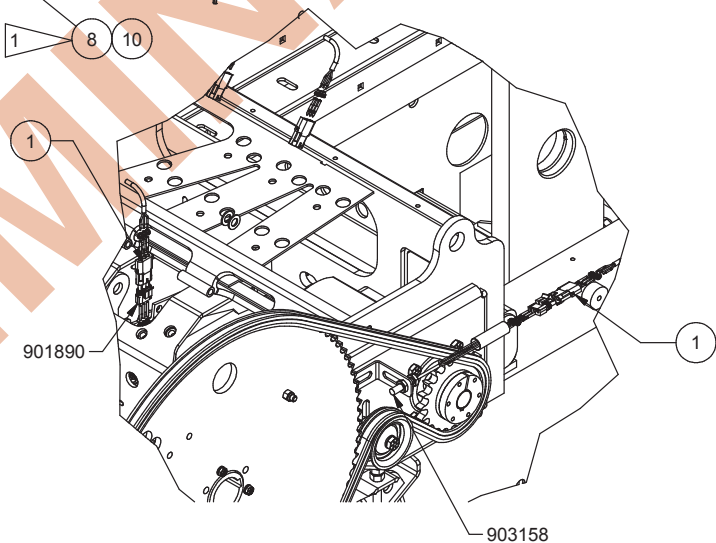
Wire Harness Installation, ICM

Page 4 of 5

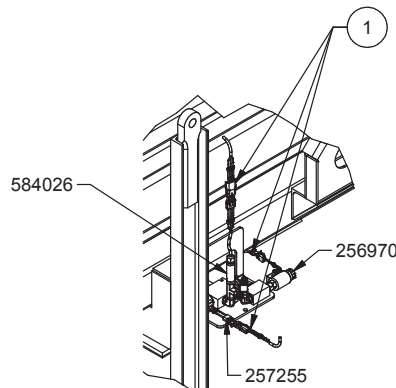


906133

DETAIL J
FEED FORK STOP &
TOOTH COUNT
SENSORS



DETAIL H
FULL CHAMBER &
KNOTTER TOOTH COUNT SENSORS



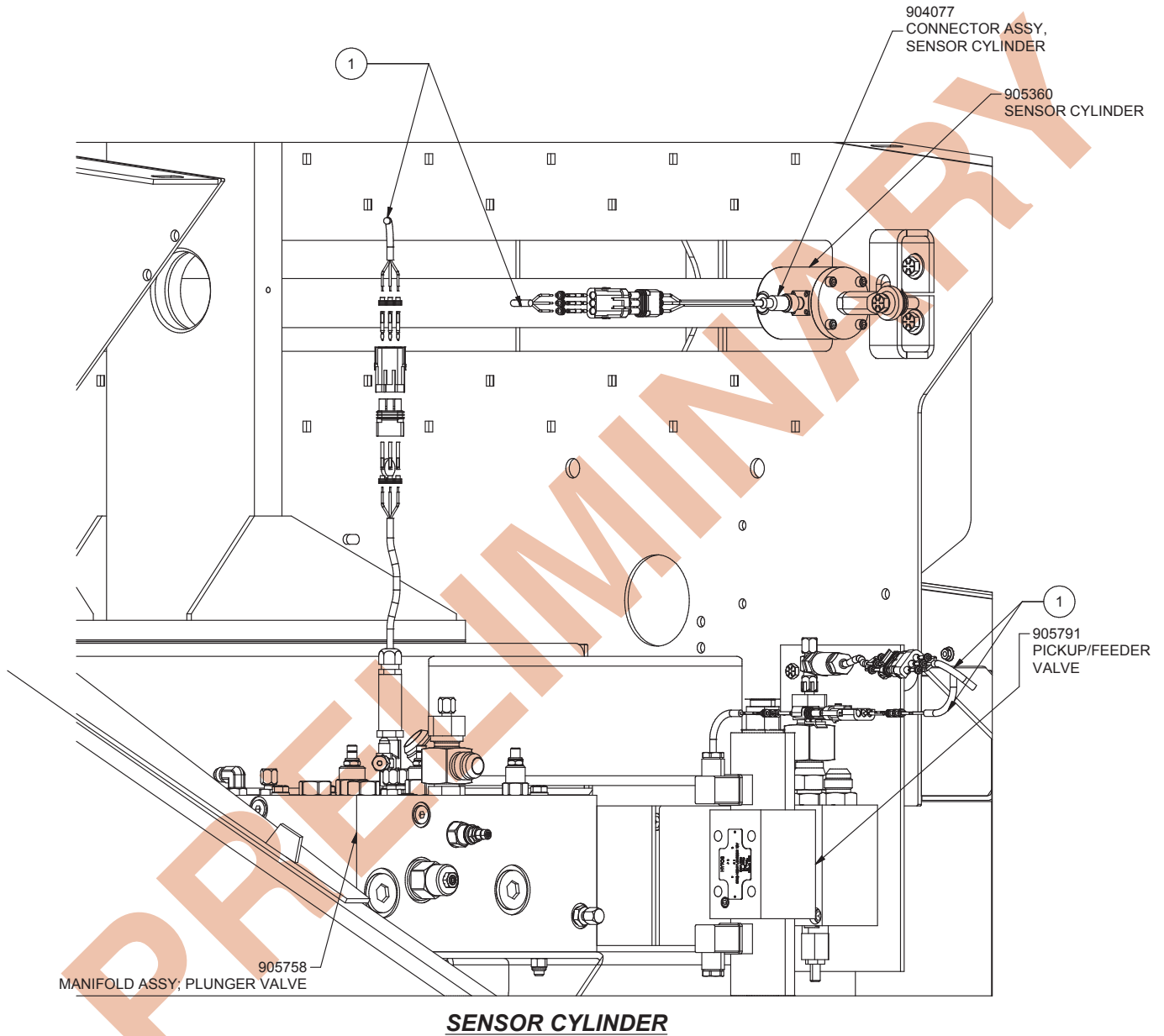
DETAIL K
TENSION MANIFOLD

NOTES:

- 1 INSULATING CLIPS SHALL BE SPACED ON FRAME AS MOUNTING STUDS ALLOW. WHEN INSTALLING HARNESS ON SHIELDING, SPACE CLIPS 1' APART, OR LESS IF APPROPRIATE.

Wire Harness Installation, ICM

Page 5 of 5



Control System Installation, ICM

Page 1 of 5

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905884		Control System Installation, ICM				
1	901890	3	. Switch Assembly, Proximity	36	221763W	8	. Washer
2	903158	2	. Sensor Assembly, Gear Tooth	37	R13811189	8	. Locknut
3	903457	2	. Bracket	38	Y17C-0624	2	. Capscrew
4	903459	1	. Bracket, Stop	39	R13811039	2	. Capscrew
5	*a -----	1	. Remote Assy, MD3, Programed (Page 156)	40	224120W	4	. Capscrew
7	-----	Ref	. NA	41	R13811040	1	. Capscrew
10	904327	1	. Plate, Mounting	42	-----	Ref	. Receptacle
11	* 904341	1	. Monitor Mnt Assy, Remote (Page 157)	43	16328W	4	. Capscrew
12	* 905574	1	. Junction Box Assembly (Page 159)	44	906185	1	. Bracket
14	252639	2	. Cable, Can Bus	45	162572W	1	. Capscrew
15	254837	2	. Module, Expansion	46	-----	Ref	. Washer
17	259078	3	. Operator, Push Button	47	-----	Ref	. Locknut
18	259079	3	. Contact Block	48	-----	Ref	. Capscrew
19	03-204	1	. Terminal	49	-----	Ref	. Transducer
20	BAT0000038	1	. Terminal	50	-----	Ref	. Transducer Assembly
21	BKT0015916	1	. Bracket	51	-----	Ref	. Transducer, Pressure
23	F000006328	2	. Grommet	52	-----	Ref	. Sensor Assembly
24	F000006551	2	. Capscrew	53	R13811432	8	. Hard Washer
25	F000006639	1	. Battery 12 Volt	54	R13805167	4	. Locknut
26	R13811191	2	. Locknut	55	R13801834	2	. Capscrew
28	221767W	13	. Washer	56	221532W	2	. Capscrew
29	906131	2	. Bracket	57	904077	1	. Connector Assembly
31	905360	1	. Cylinder, With Enclosed Sensor	58	-----	Ref	. Capscrew
32	904286	1	. Plate, Mounting	59	-----	Ref	. Washer
33	R13811449	10	. Flat Washer	60	-----	Ref	. Locknut
34	906133	2	. Switch Assembly, Proximity				
35	906139	2	. Plate, Sensor Pad				

* See Separate Coverage

a Contact Factory for Part Number

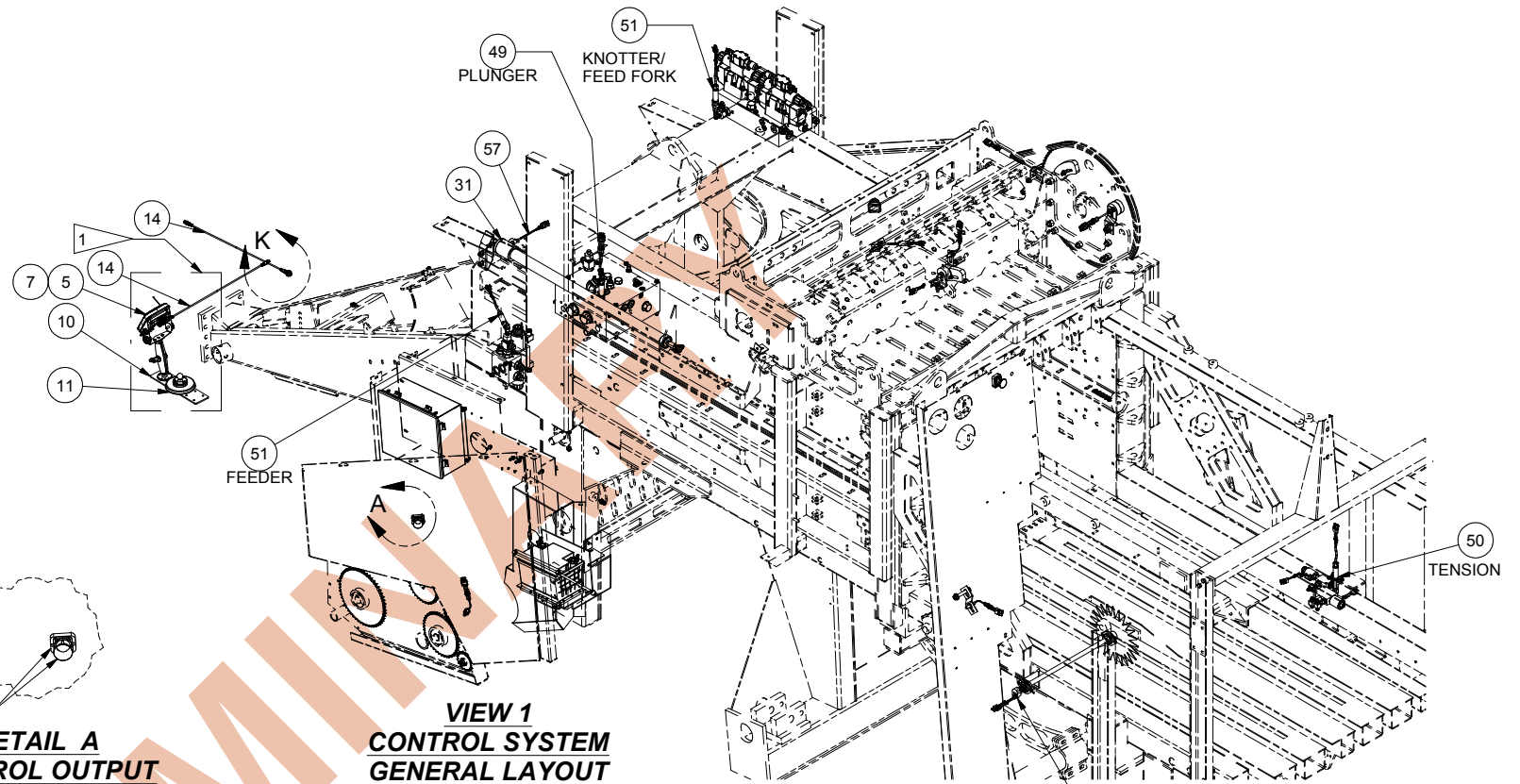
Rev A

Control System Installation, ICM

Page 2 of 5

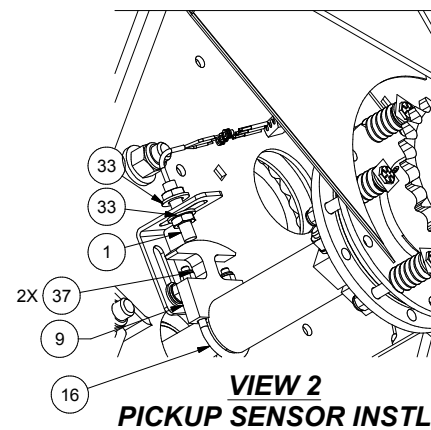
NOTES:

- 1 COMPONENTS MOUNTED IN TRACTOR CAB.
- 2 SEE PAGE 4 FOR SETUP INFORMATION.
- 3 EXTEND SENSOR CYLINDER 1/2" FROM ITS FULLY RETRACTED POSITION UNTIL THE PLUNGER BOTTOMS OUT. CUSHIONS MUST REMAIN DISABLED. ALIGN THE SENSOR CYLINDER WITH THE PLUNGER RAIL. USE THE LENGTH OF THE SENSOR CYLINDER TO LOCATE MOUNTING BRACKET (904286). MARK AND DRILL 1/2" HOLES USING BRACKET AS A TEMPLATE. AFTER MOUNTING THE BRACKET ON THE FRAME INSTALL THE CYLINDER. USE WASHERS (ITEM 53, R13811432) TO SHIM THE CYLINDER SUCH THAT IT IS PARALLEL WITHIN 1/4" WITH THE TRAVEL OF THE PLUNGER. SET THE PLUNGER AND SENSOR CYLINDER USING PUBLICATIONS DOCUMENT 89-015, SECTION 6-1, PLUNGER STEP BY STEP SETUP.
- 4 USE BOLTS ON NEEDLE YOKE AND KNOTTER MOUNT, AS SHOWN.

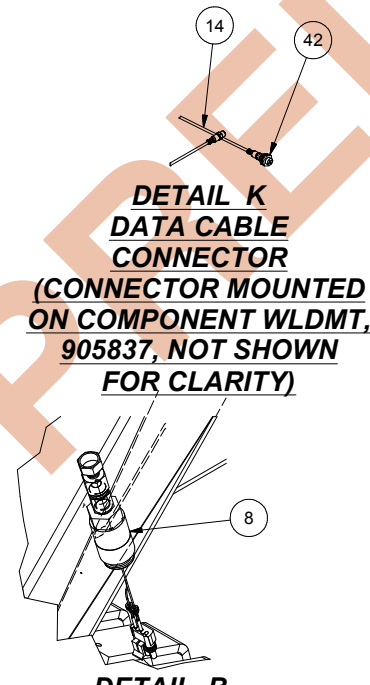


**DETAIL A
CONTROL OUTPUT
DISABLE BUTTON INSTL,
FRONT DOORS, BOTH SIDES**

**VIEW 1
CONTROL SYSTEM
GENERAL LAYOUT**

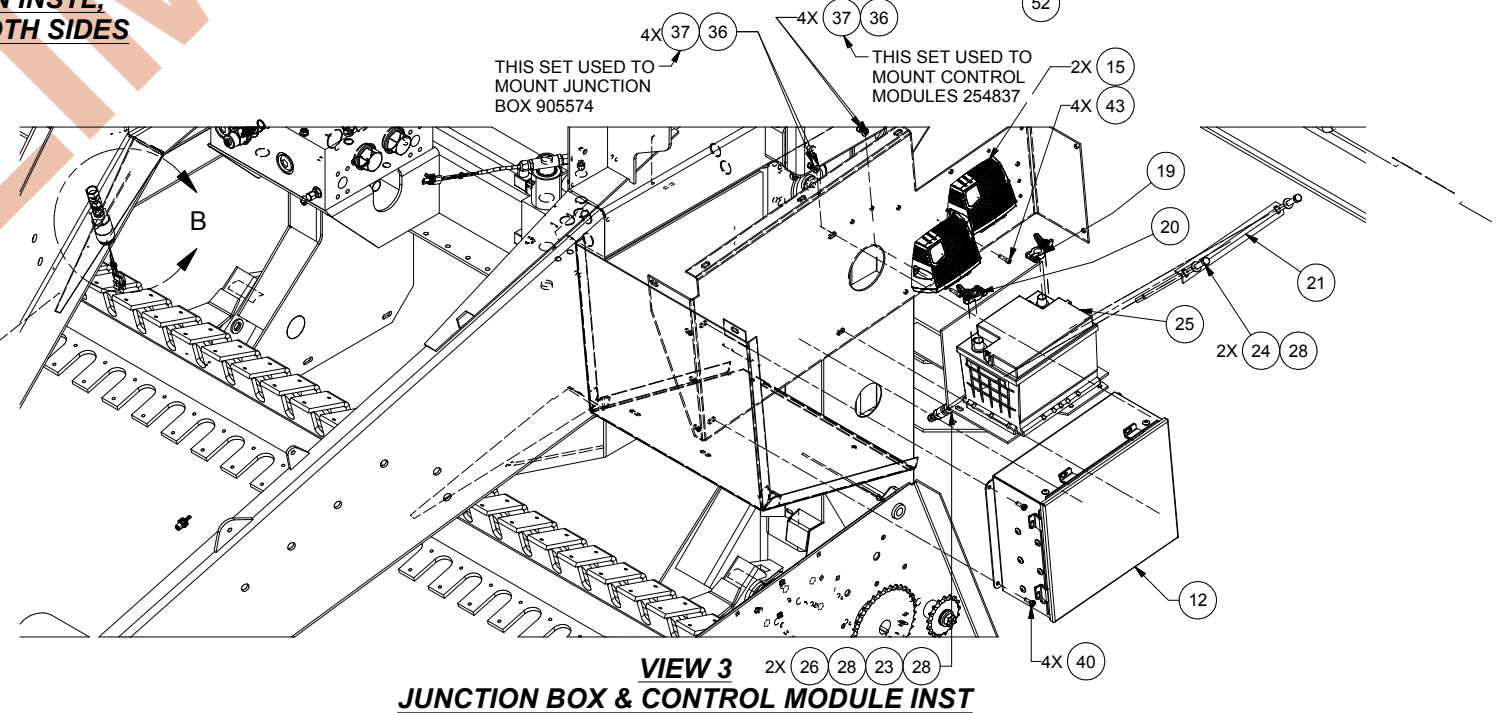


**VIEW 2
PICKUP SENSOR INSTL**



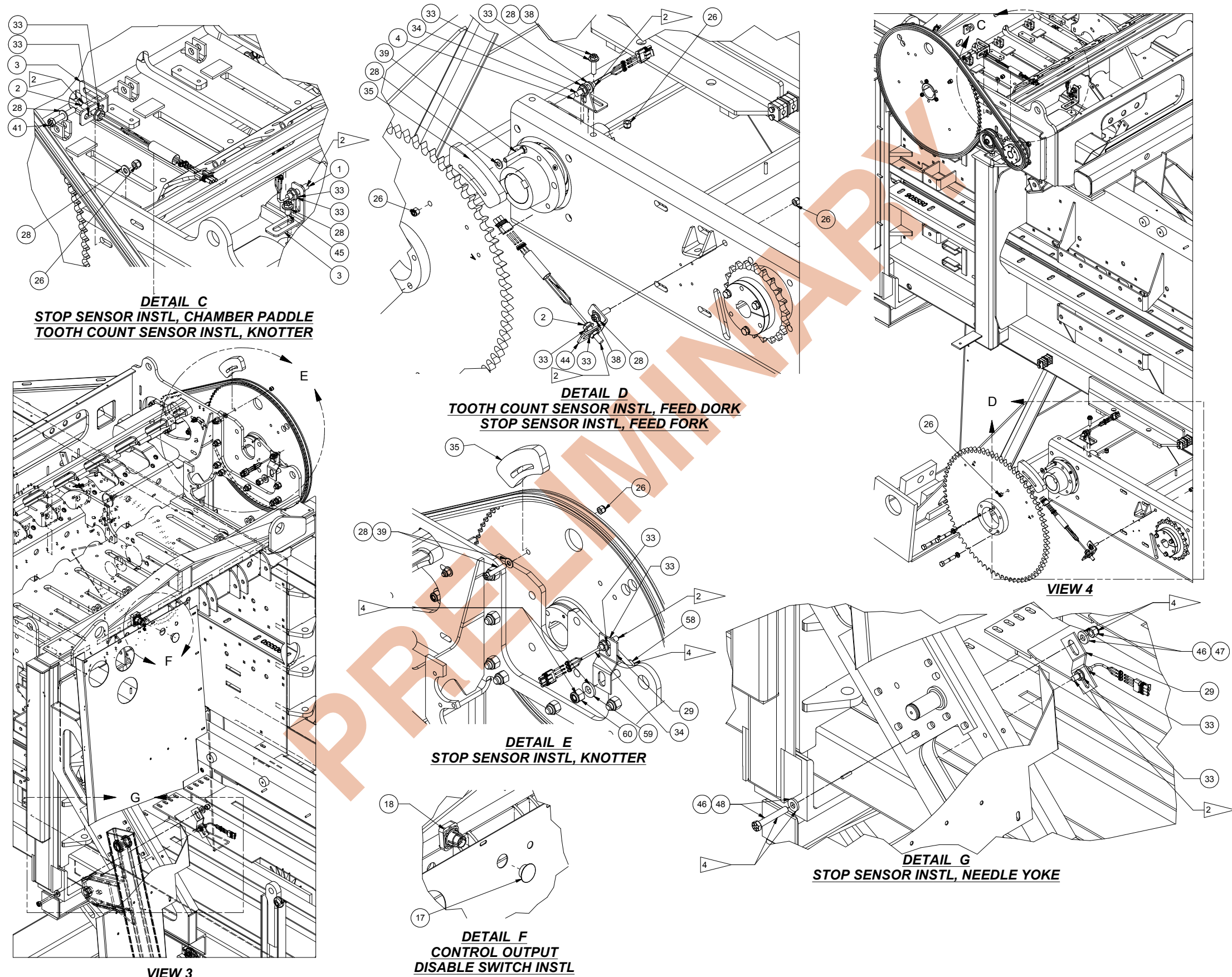
**DETAIL B
PRESSURE SWITCH, 200 PSI INST
(SWITCH MOUNTED ON ACCUMULATOR
ACM0800087, NOT SHOWN FOR CLARITY)**

**DETAIL K
DATA CABLE
CONNECTOR
(CONNECTOR MOUNTED
ON COMPONENT WLDMT,
905837, NOT SHOWN
FOR CLARITY)**



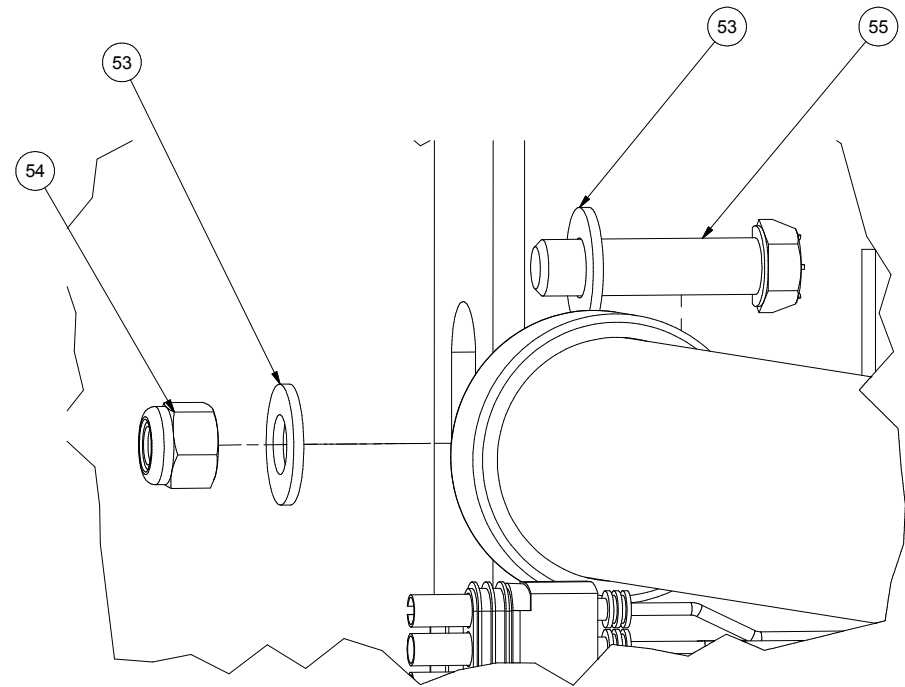
**VIEW 3
JUNCTION BOX & CONTROL MODULE INST**

Control System Installation, ICM

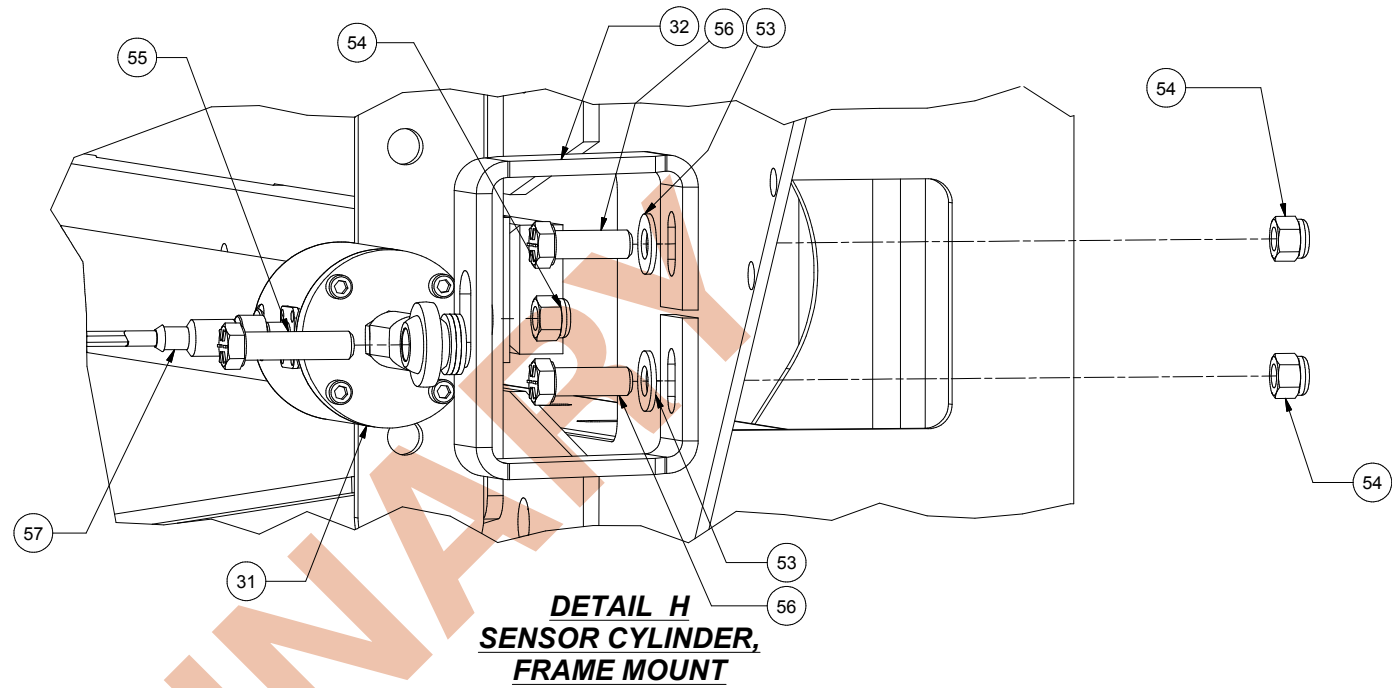


Control System Installation, ICM

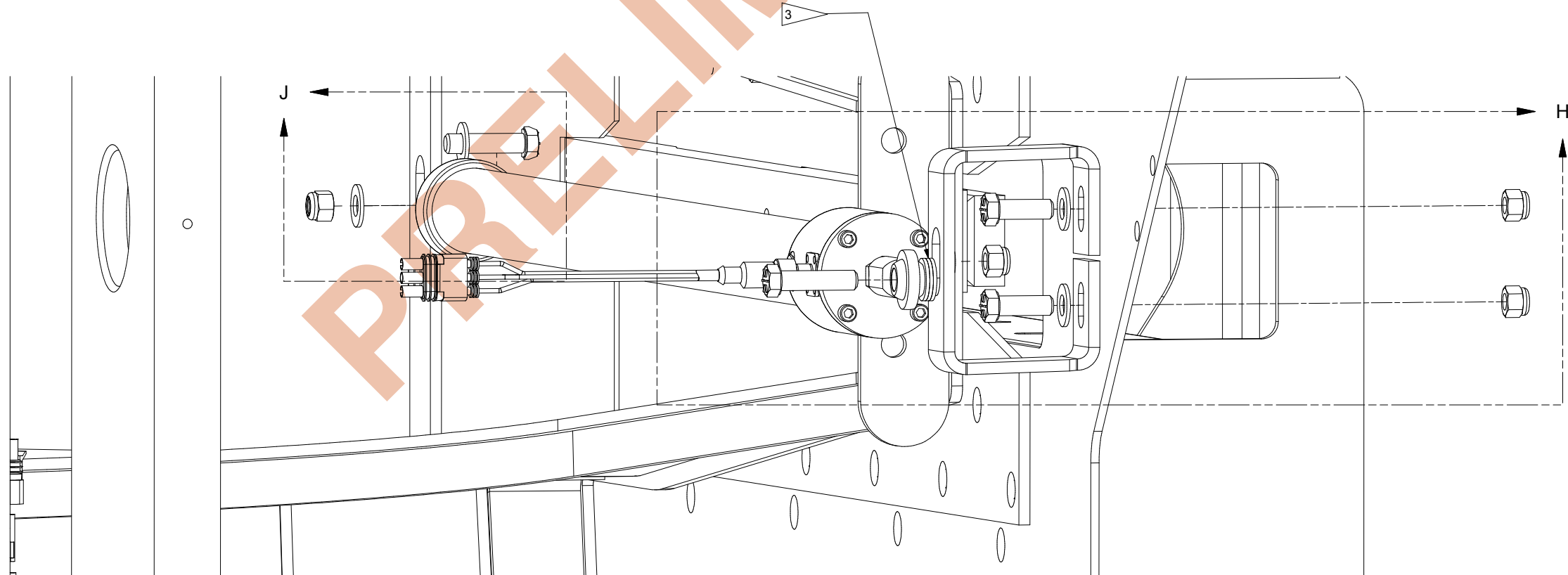
Page 4 of 5



DETAIL J
SENSOR CYLINDER,
PLUNGER MOUNT



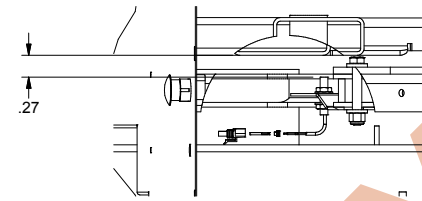
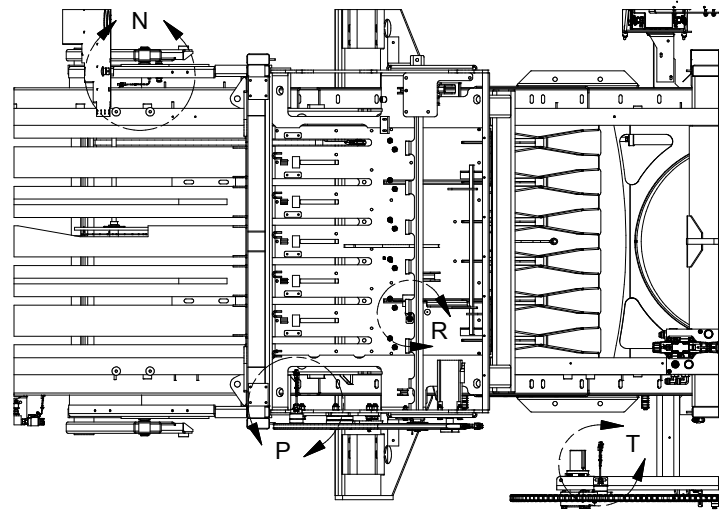
DETAIL H
SENSOR CYLINDER,
FRAME MOUNT



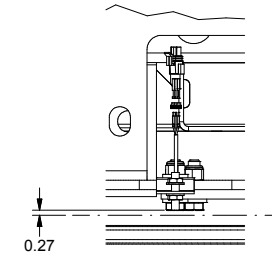
VIEW 5
SENSOR CYLINDER INSTALLATION

Control System Installation, ICM

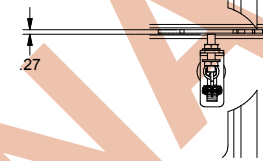
Page 5 of 5



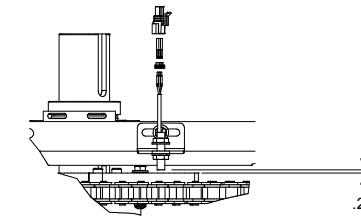
DETAIL N
STOP SENSOR SETUP,
NEEDLE YOKE



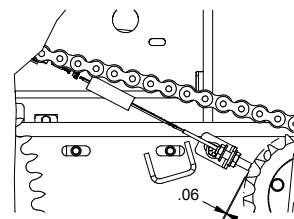
DETAIL P
STOP SENSOR SETUP,
KNOTTER



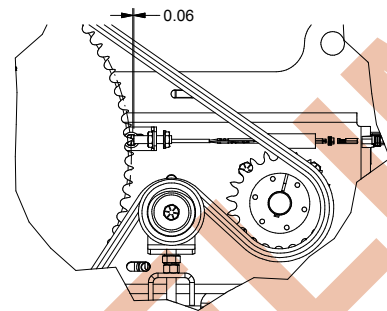
DETAIL R
FULL CHAMBER
PADDLE SENSOR,
SETUP



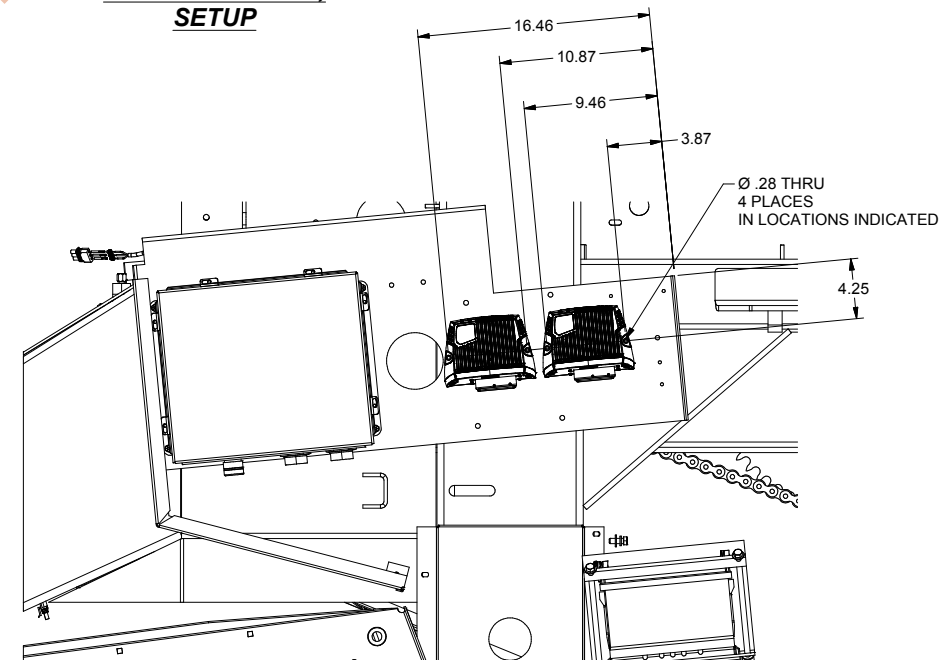
DETAIL T
STOP SENSOR SETUP,
FEED FORK



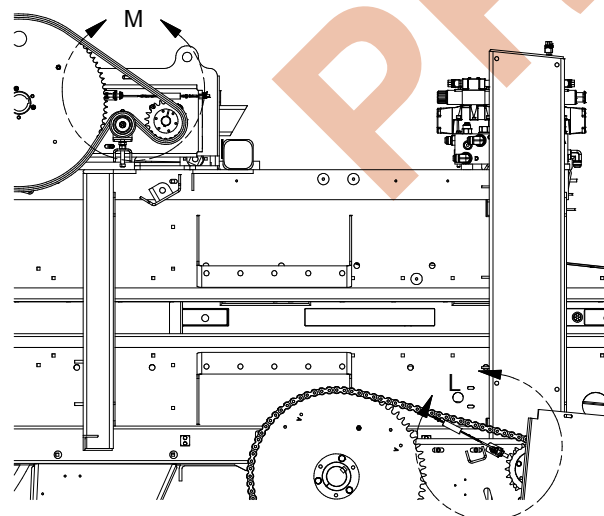
DETAIL L
TOOTH COUNTER SETUP,
KNOTTER SPROCKET



DETAIL M
TOOTH COUNTER SETUP,
FEED FORK SPROCKET



VIEW 7
HOLE POSITIONS
CONTROL MODULES

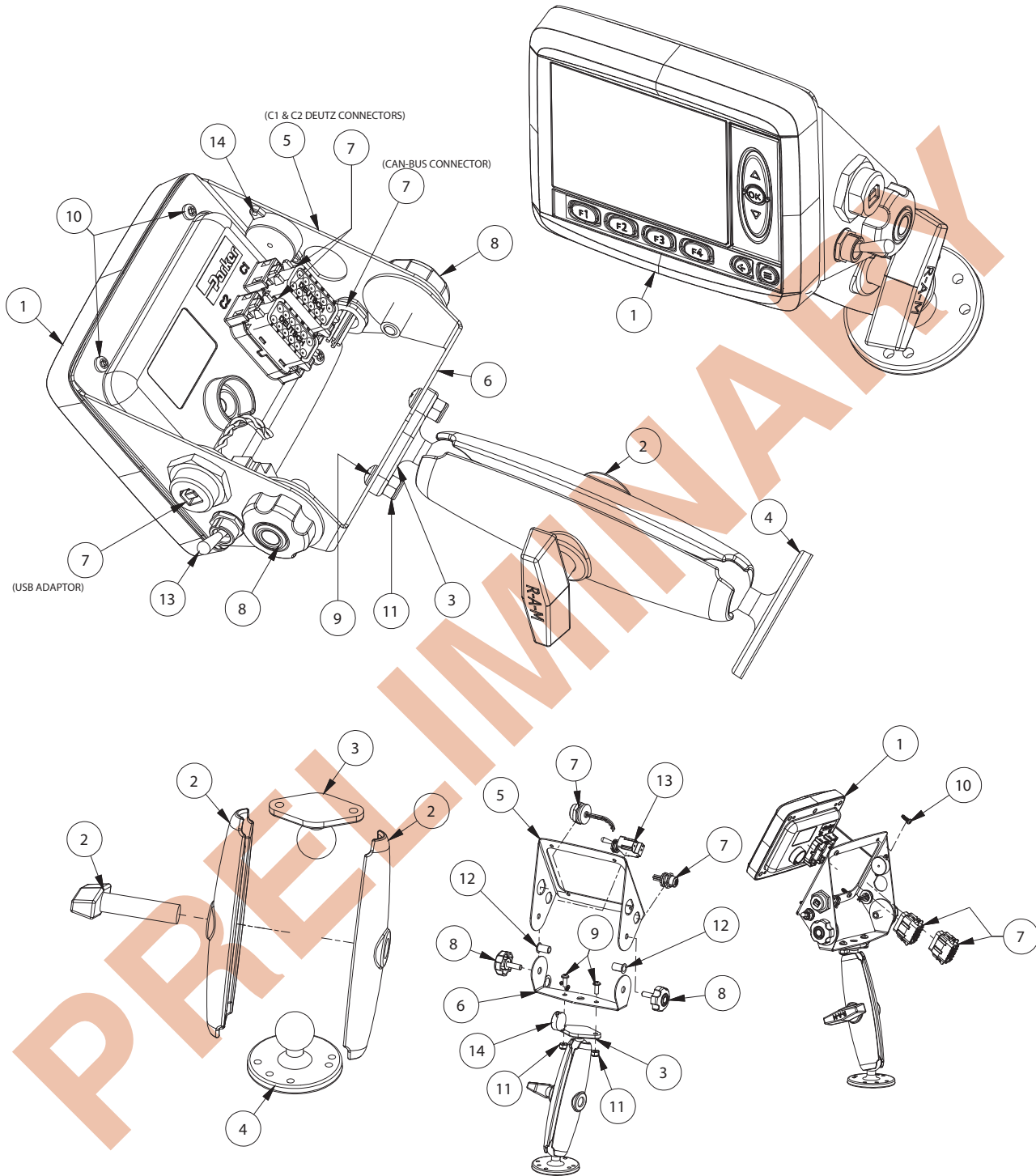


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PRELIMINARY

Remote Assembly, MD3

Page 1 of 1



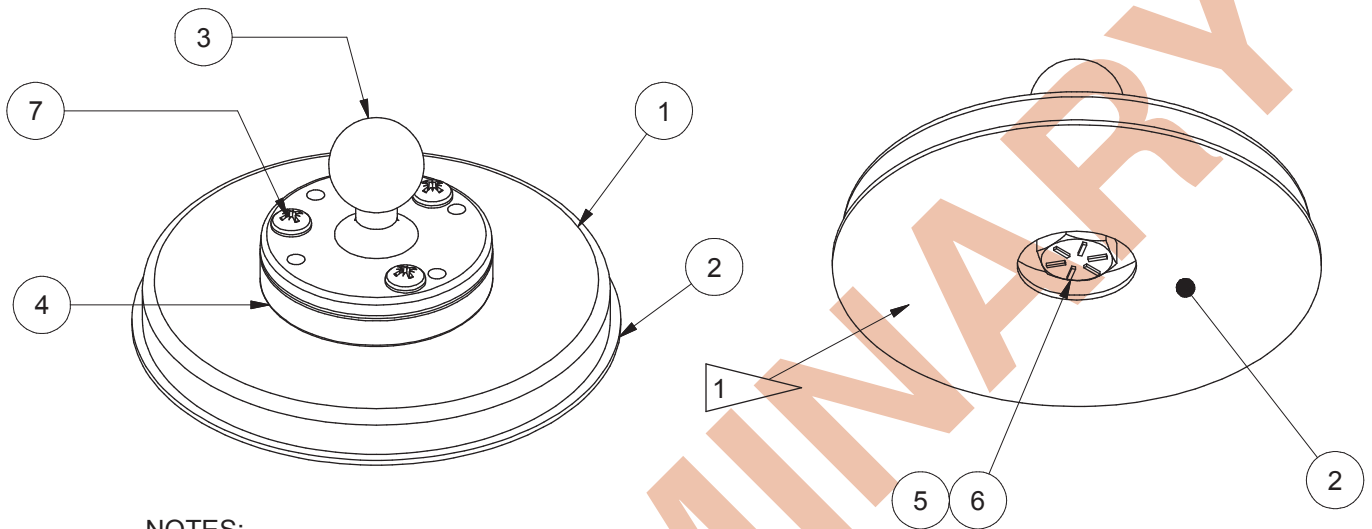
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	-----		Remote Assembly, MD3	9	R13809461	2	. Machine Screw
1	* -----	1	. MD3 IQAN Display, Programmed	10	255260	4	. Screw
2	255242	1	. Mount, Ram	11	R13809543	2	. Locknut
3	255246	1	. Base, Ram	12	222470	2	. Insert
4	255247	1	. Base, Ram	13	229289	1	. Toggle Switch
5	902894	1	. Plate, Mounting	14	256838	1	. Buzzer
6	902895	1	. Plate, Base				
7	903471	1	. Wire Harness				
8	KOB0000102	2	. Knob				

* Consult Factory for part number of programmed display.

Rev C

Monitor Mount Assembly, Remote (Magnetic)

Page 1 of 1



NOTES:

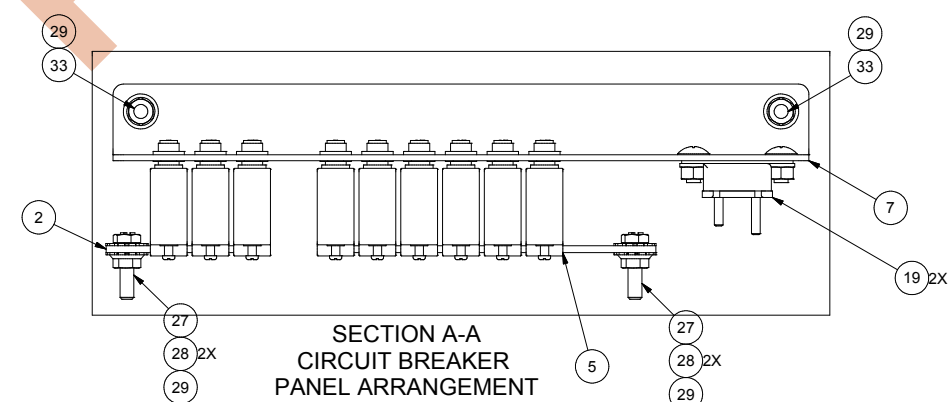
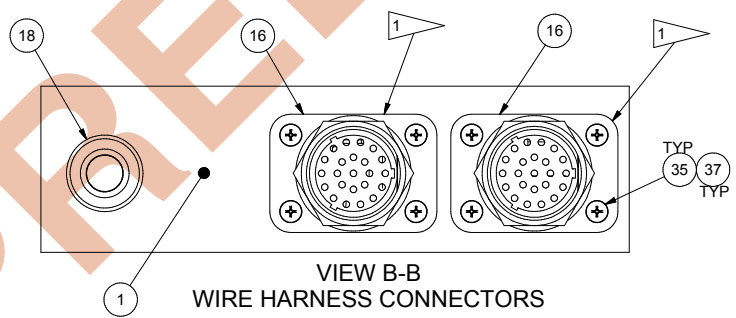
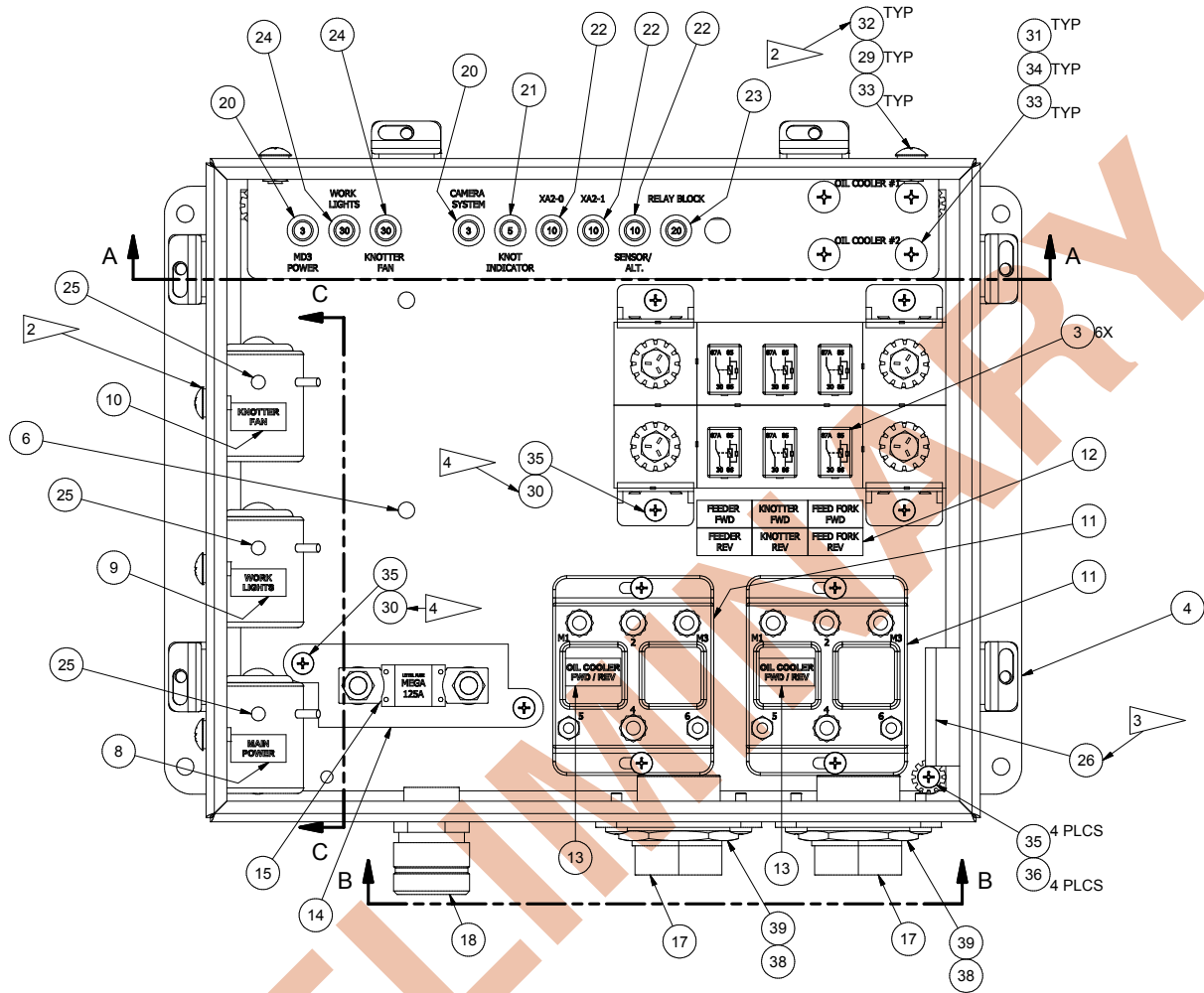


ATTACH THE BASE PAD TO THE BOTTOM OF THE MAGNET BASE USING 3M-HI STRENGTH 90 ADHESIVE. CENTER BASE PAD WITH AT LEAST 1/8" OF THE PAD SHOWING AROUND THE OUTSIDE OF THE MAGNET BASE.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	904341		Monitor Mount Assy, Remote				
1	257786	1	. Base, Magnet	5	ZZ00000210	1	. Mach Bushing
2	904334	1	. Pad,Base	6	Y17C-0808	1	. Capscrew
3	255247	1	. Base, Ram	7	241699	3	. Machine Screw
4	904325	1	. Plate,Mag Adapt				

Junction Box Assembly

Page 1 of 2

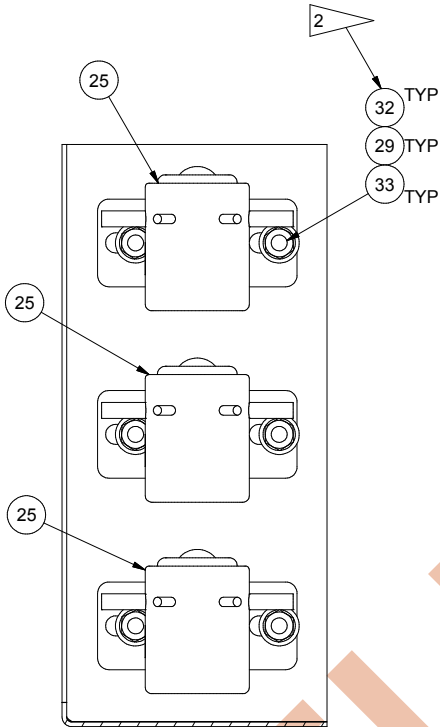


Junction Box Assembly

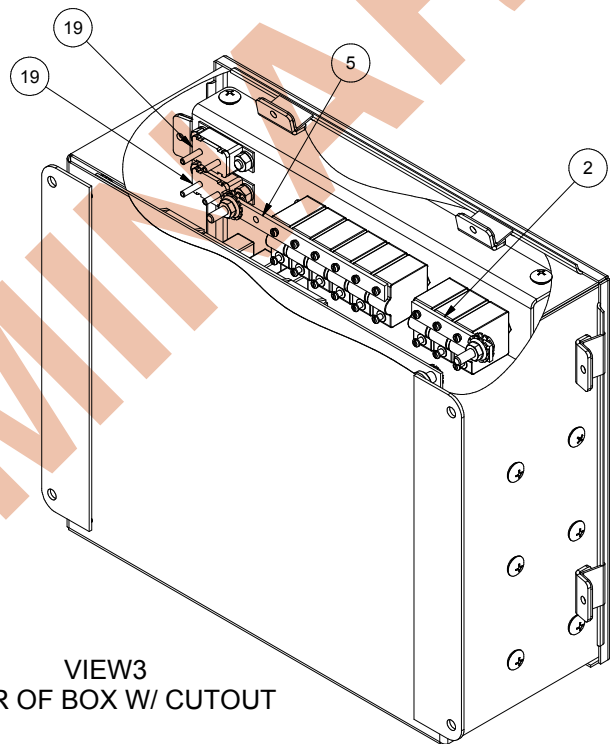
Page 2 of 2

NOTES:

- 1 - ALIGN KEY IN ITEM #1 TO THE RIGHT OF ORIENTATION SHOWN ON PRINT
- 2 - STATO SEAL WASHERS TO BE USED UNDER FASTENER HEADS ON TOP AND SIDE SURFACES OF BOX
- 3 - LOCATE OXIDATION INHIBITOR TO ALLOW FOR ACCESS TO FASTENERS, WIRING AND TO ALLOW FOR ADEQUATE ROUTING OF WIRES
- 4 - USE NUT INSERTS (ITEM #26) IN BACKING PANEL (ITEM #9) FOR ATTACHING COMPONENTS



SECTION C-C
SOLENOID INSTALLATION

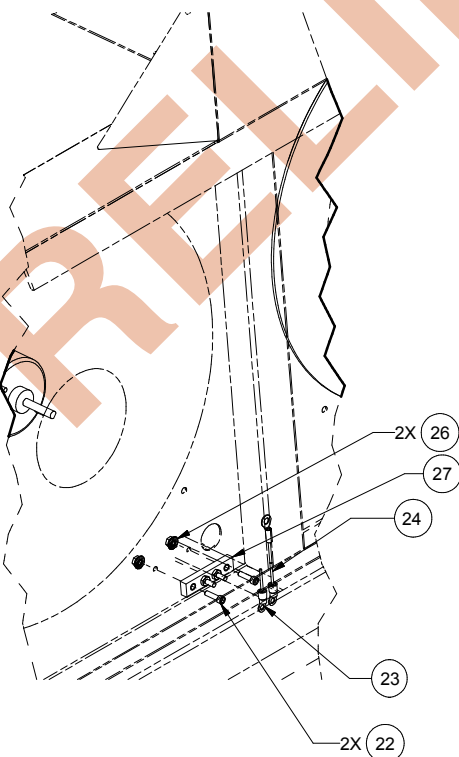
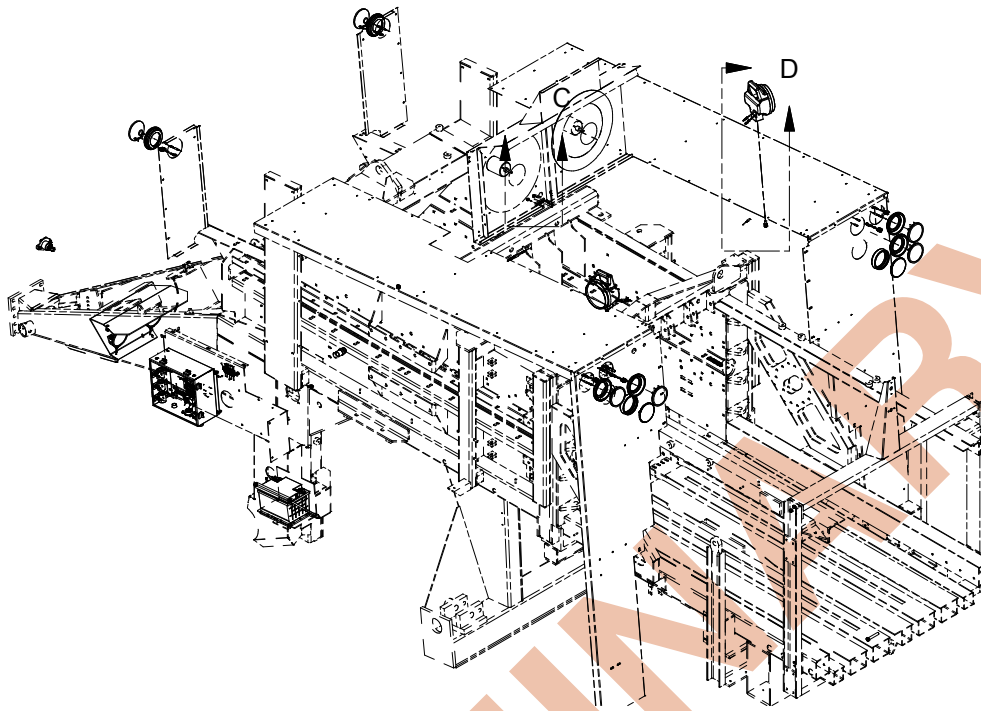


VIEW3
REAR OF BOX W/ CUTOUT

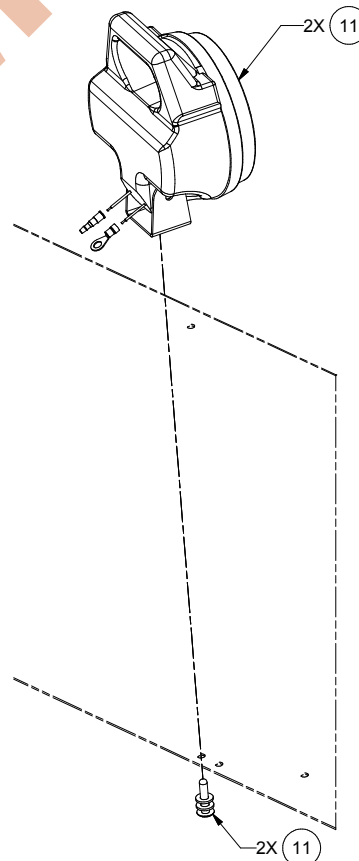
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905574		Junction Box Assembly				
1	905700	1	. Wire Harness, Junction Box	21	223065	1	. Circuit Breaker, 05A
2	905832	1	. Bar, Bussbar	22	229306	3	. Circuit Breaker, 10A
3	905814	6	. Relay, Micro	23	223377	1	. Circuit Breaker, 20A
4	905811	1	. Box , Junction	24	223069	2	. Circuit Breaker, 30A
5	905810	1	. Bar, Bussbar	25	221801	3	. Relay, 12V
6	905807	1	. Panel , Back	26	20294	1	. Oxidation Inhibitor
7	905787	1	. Plate, Breaker Panel	27	Y01C-0416	2	. Capscrew
8	905767	1	. Decal, Main Power	28	Y09E-04	4	. Washer
9	905766	1	. Decal, Oil Cooler	29	264150W	10	. Nut
10	905764	1	. Decal, Knotter Fan	30	242984	10	. Insert
11	905718	2	. Module, Relay	31	221703W	4	. Hex Nut
12	905840	1	. Decal, Relay Block	32	12723	8	. Seal
13	905841	2	. Decal, Oil Cooler FWD/REV	33	027-1007	12	. Machine Screw
14	905846	1	. Fuse Holder	34	R13812512	4	. Lockwasher
15	905847	1	. Fuse, 125A	35	00109451	22	. Machine Screw
16	PLT0035716	2	. Plate, Receptacle	36	WIS0001000	4	. Lockwasher
17	SOK0000014	2	. Receptacle	37	239729	8	. Nut, Nylock
18	24841	2	. Connector, Cord	38	R740837	2	. Lockwasher
19	085-0222	1	. Circuit Breaker, 40A	39	R740836	2	. Nut
20	223063	1	. Circuit Breaker, 03A				

Lights Installation

Page 1 of 4



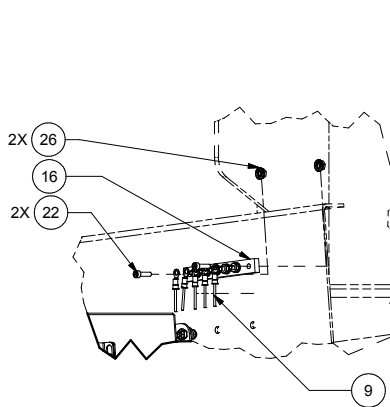
DETAIL C
TERMINAL BLOCK INSTL,
KNOTTER



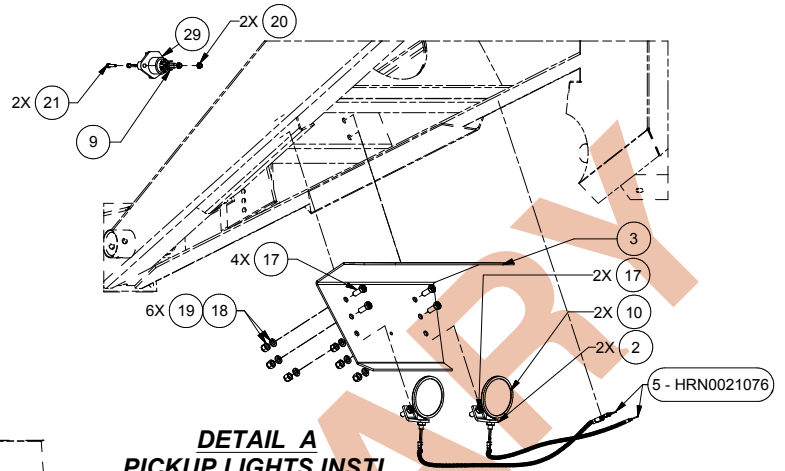
DETAIL D
KNOTTER WORK LIGHT INSTL,
RH & LH SIDE

Lights Installation

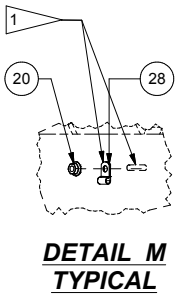
Page 2 of 4



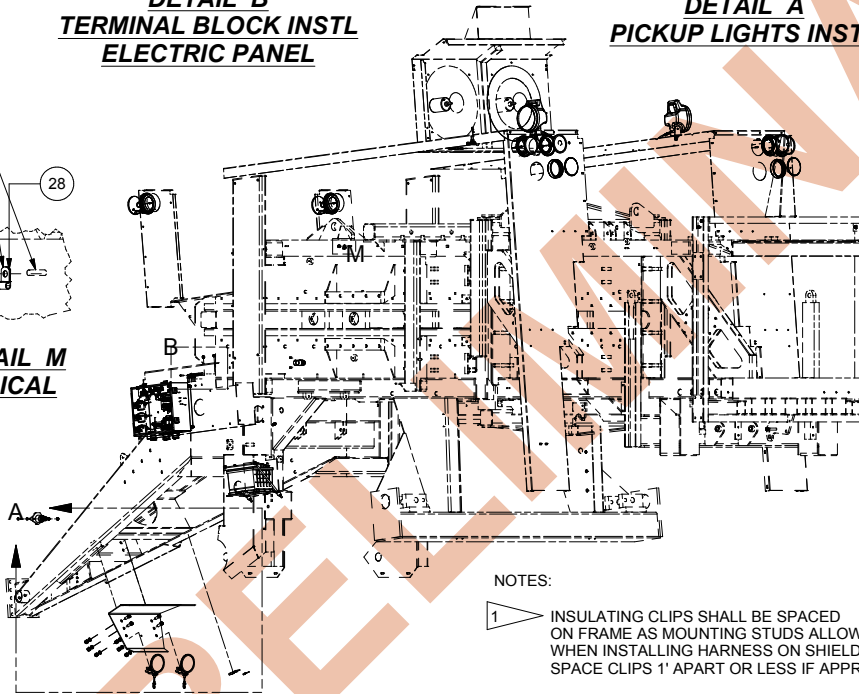
DETAIL B
TERMINAL BLOCK INSTL
ELECTRIC PANEL



DETAIL A
PICKUP LIGHTS INSTL



DETAIL M
TYPICAL



NOTES:

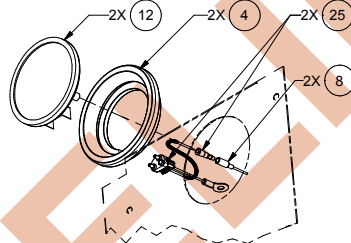
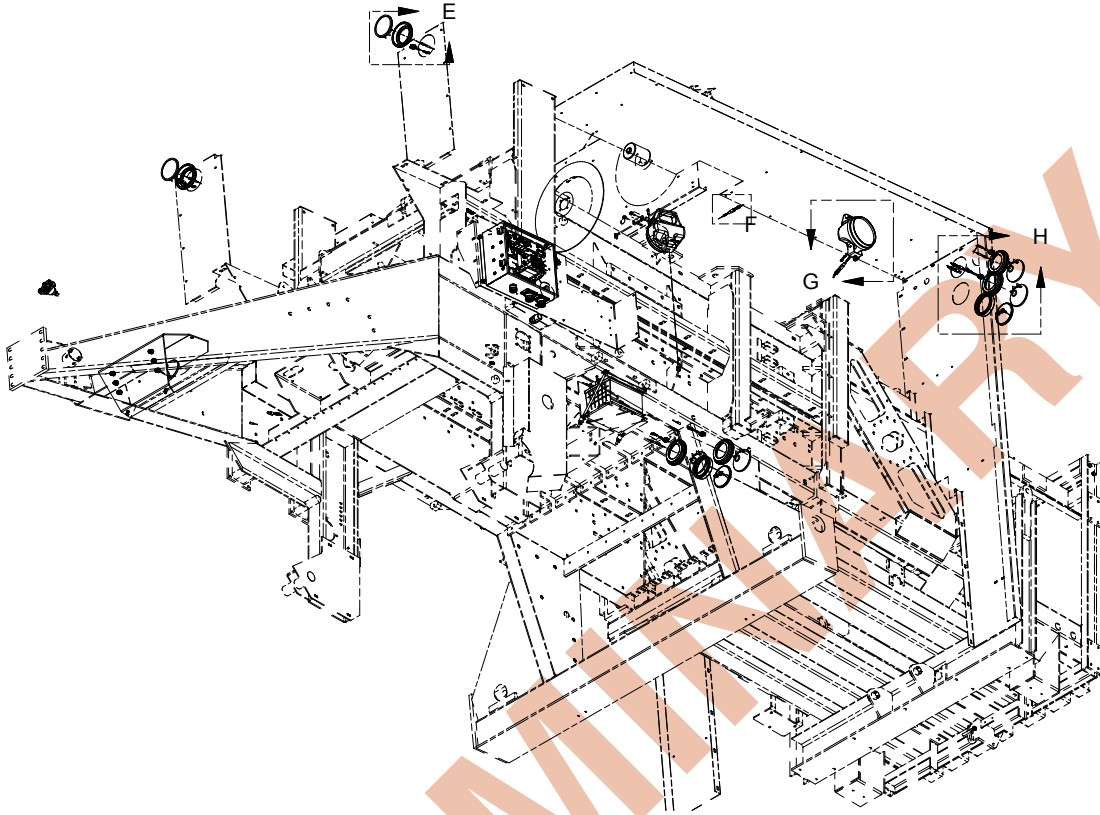
- 1 INSULATING CLIPS SHALL BE SPACED ON FRAME AS MOUNTING STUDS ALLOW. WHEN INSTALLING HARNESS ON SHIELDING SPACE CLIPS 1' APART OR LESS IF APPROPRIATE.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905885 Lights Installation							
2	BKT0016005	2	. Bracket	17	221563W	6	. Capscrew
3	BKT0023511	1	. Bracket	18	R13811193	6	. Locknut
4	GRM0127469	6	. Grommet	19	200605	6	. Lockwasher
5	HRN0021076	1	. Wiring Harness P/U Work Light	20	264150W	1	. Nut
6	HRN0029820	1	. Wiring Harness, Knotter	21	R13810993	2	. Capscrew
7	HRN0023542	2	. Stop/Tail Light Harness	22	Y73G-(1024)124		. Capscrew
8	HRN0017874	1	. Wire Harness, Front Light	23	905896	1	. Wire Harness
9	HRN036152D	1	. Wire Harness	24	906137	1	. Wire Assembly
10	LIT0020171	2	. Work Light Assembly	25	HRN0023541	4	. Wire Harness
11	LIT0029888	2	. Work Light Assembly	26	264148W	4	. Nut
12	LIT1410112	4	. Kit, Light Directional	27	252629	1	. Terminal Block
13	LIT1410122	2	. Kit, Light, Stop/Tail	28	R13803020	1	. Clip, Insulated
14	LIT7072901	2	. Light, Sealed Beam Halogen	29	225263	1	. Socket
15	LIT7072902	2	. Light Mounting Ring				
16	TEB0472105	1	. Terminal Block				

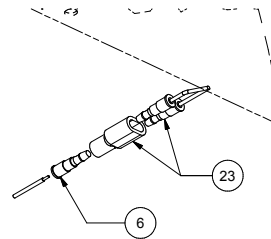
Rev A

Lights Installation

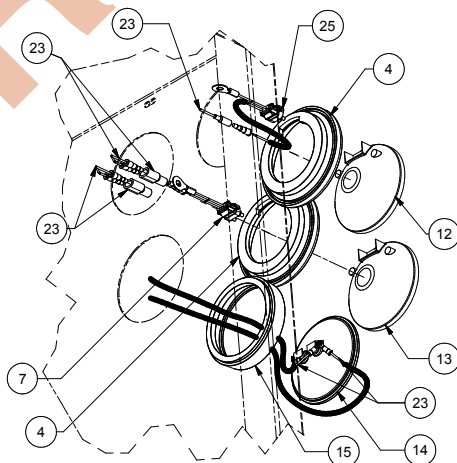
Page 3 of 4



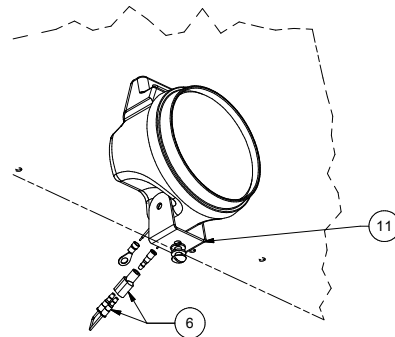
DETAIL E
AMBER LIGHT INSTL,
FRONT, RH & LH



DETAIL F
CONNECTION,
KNOTTER FAN HARNESS



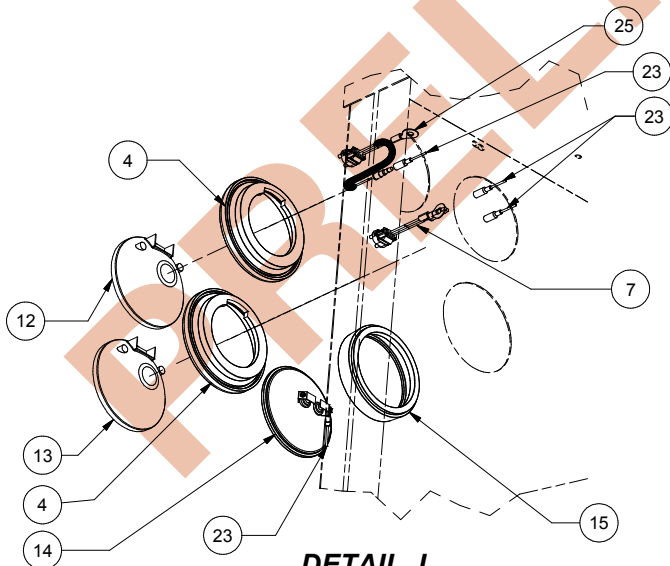
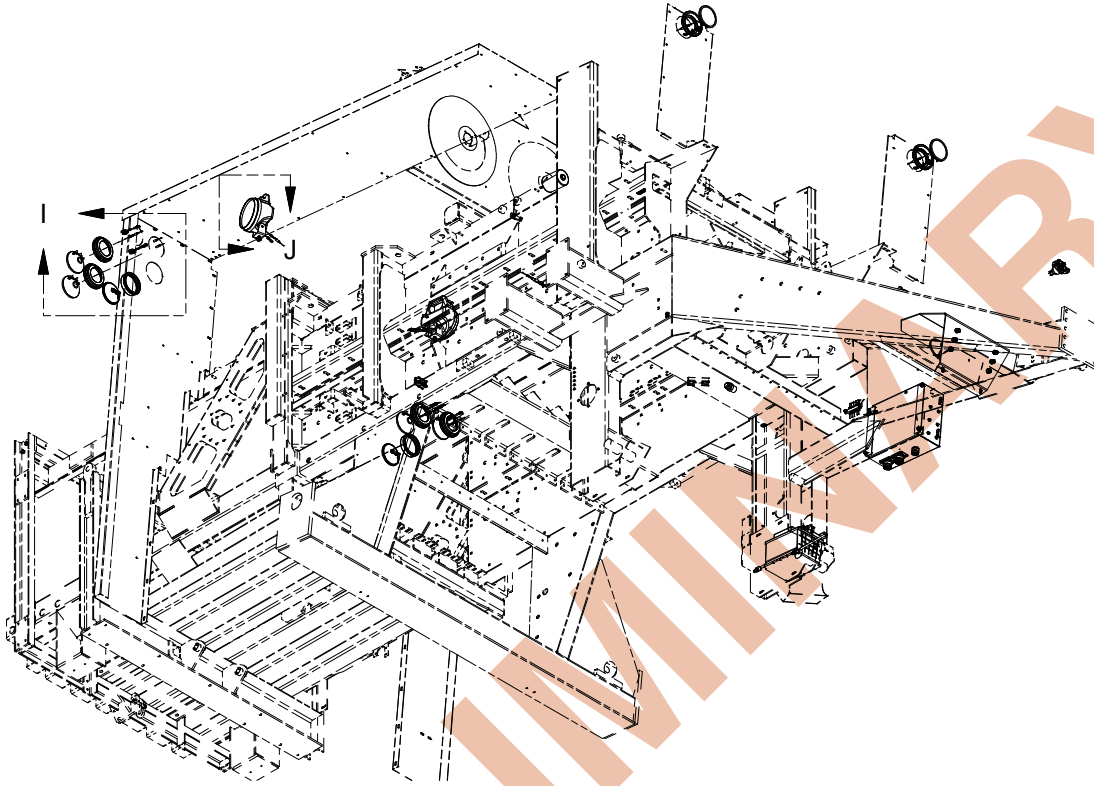
DETAIL H
AMBER, STOP & WORK LIGHT INSTL,
LH, REAR



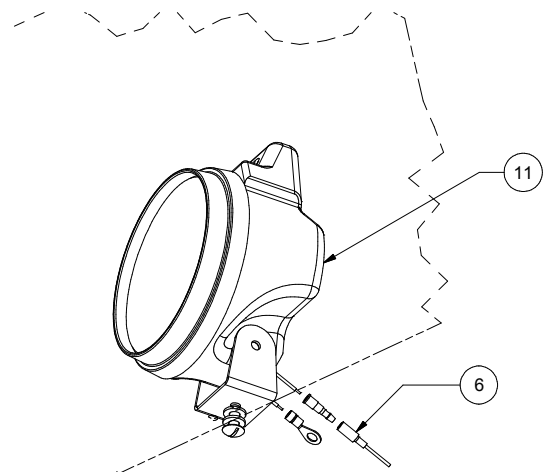
DETAIL G
HARNESS CONNECTION
KNOTTER WORK LIGHT, LH

Lights Installation

Page 4 of 4



DETAIL I
AMBER, STOP & WORK LIGHT INSTL,
RH, REAR



DETAIL J
HARNESS CONNECTION
KNOTTER WORK LIGHT, RH

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PRELIMINARY

Lights Installation, Knot Indicator

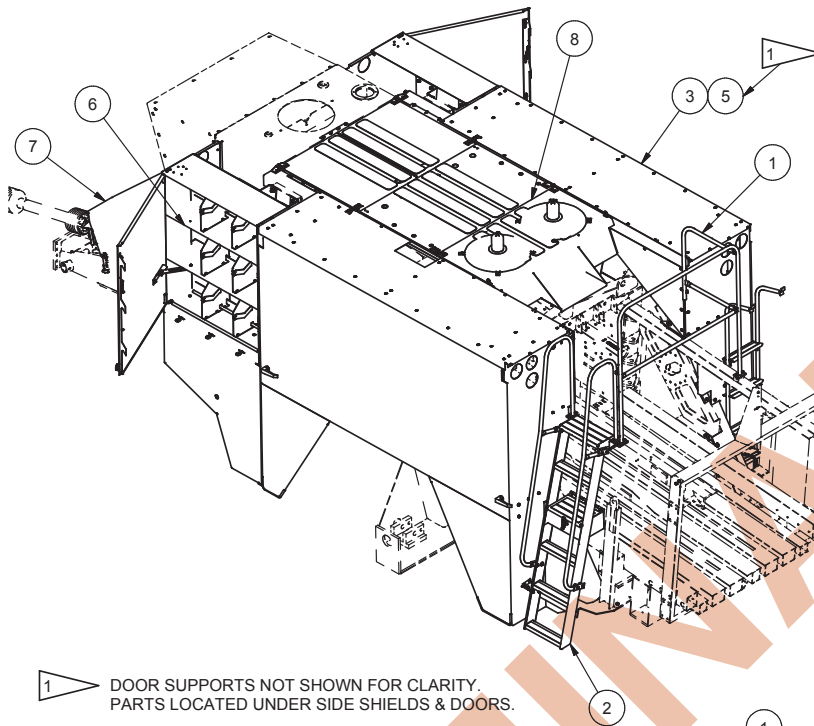
Page 1 of 1

Note: Illustration not available at time of publication.

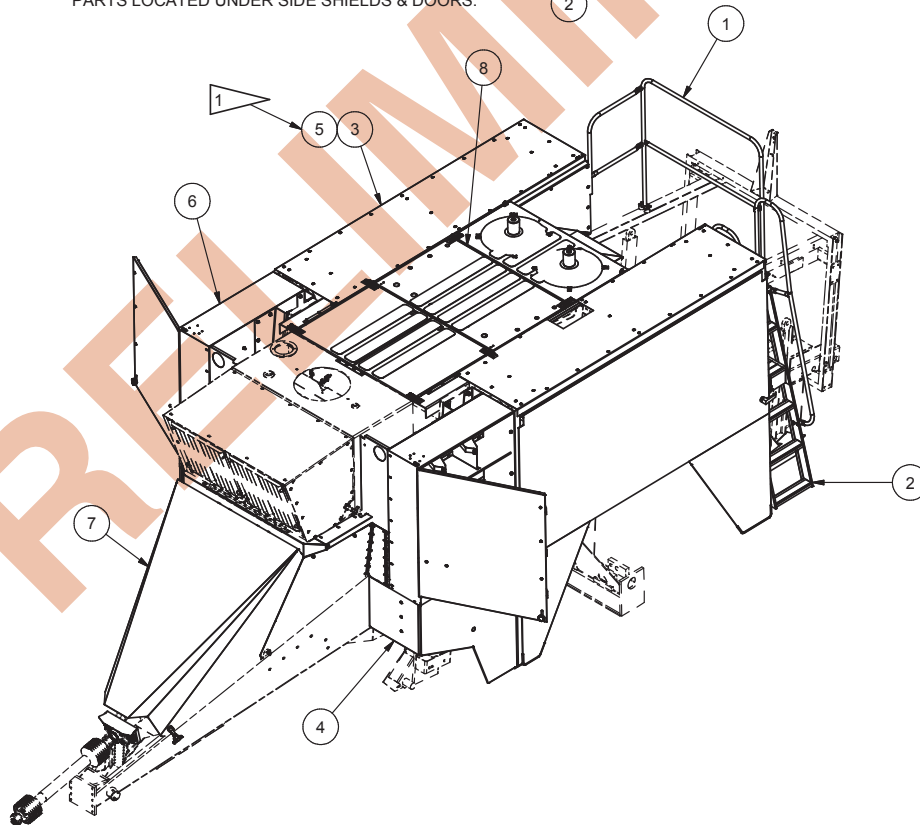
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905890		Lights Installation, Knot Ind				
1	905886	1	. Wire Harness	3	R13811449	12	. Flat Washer
2	906365	6	. Switch Assembly, Proximity	4	249329	16	. Cable Tie

Shielding Group

Page 1 of 1



1 DOOR SUPPORTS NOT SHOWN FOR CLARITY.
PARTS LOCATED UNDER SIDE SHIELDS & DOORS.

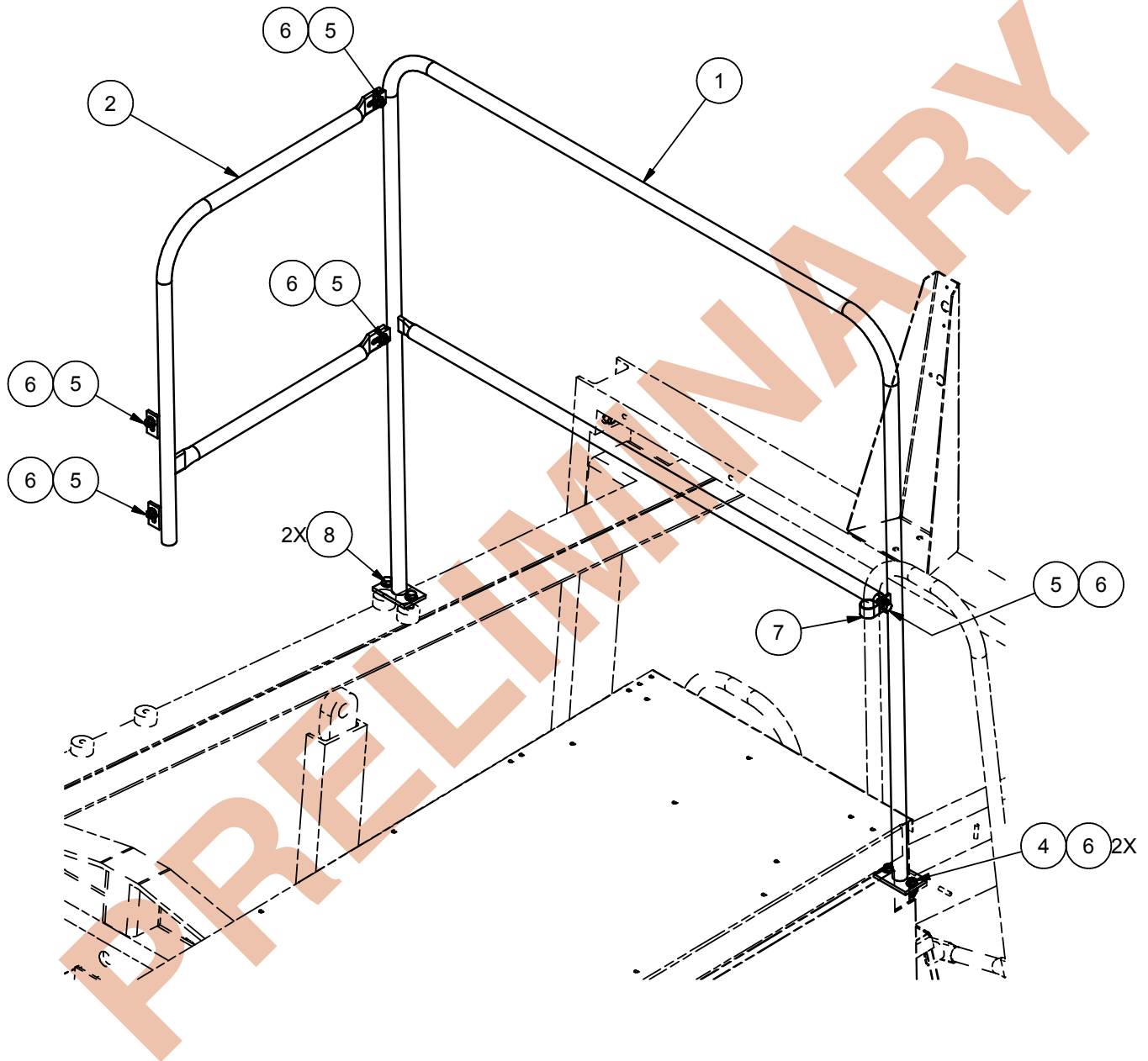


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905744		Shielding Group				
1	* 900323	1	. Rail Assembly, Safety (Page 167)	6	* 905949	1	. Twine Box Installation, Front (Page 181)
2	* 900324	1	. Ladder Assembly (Page 169)	7	* 906000	1	. Shield Installation (Page 187)
3	* 905911	1	. Shields & Doors Installation (Page 171)	8	* 906022	1	. Knotter Fan/Top Covers Inst (Page 193)
4	* 905912	1	. Shield Installation, Lower Front (Page 175)				
5	* 905918	1	. Side Shields & Door Supports Inst (Page 177)				* See Separate Coverage

Rev A

Rail Assembly, Safety

Page 1 of 1

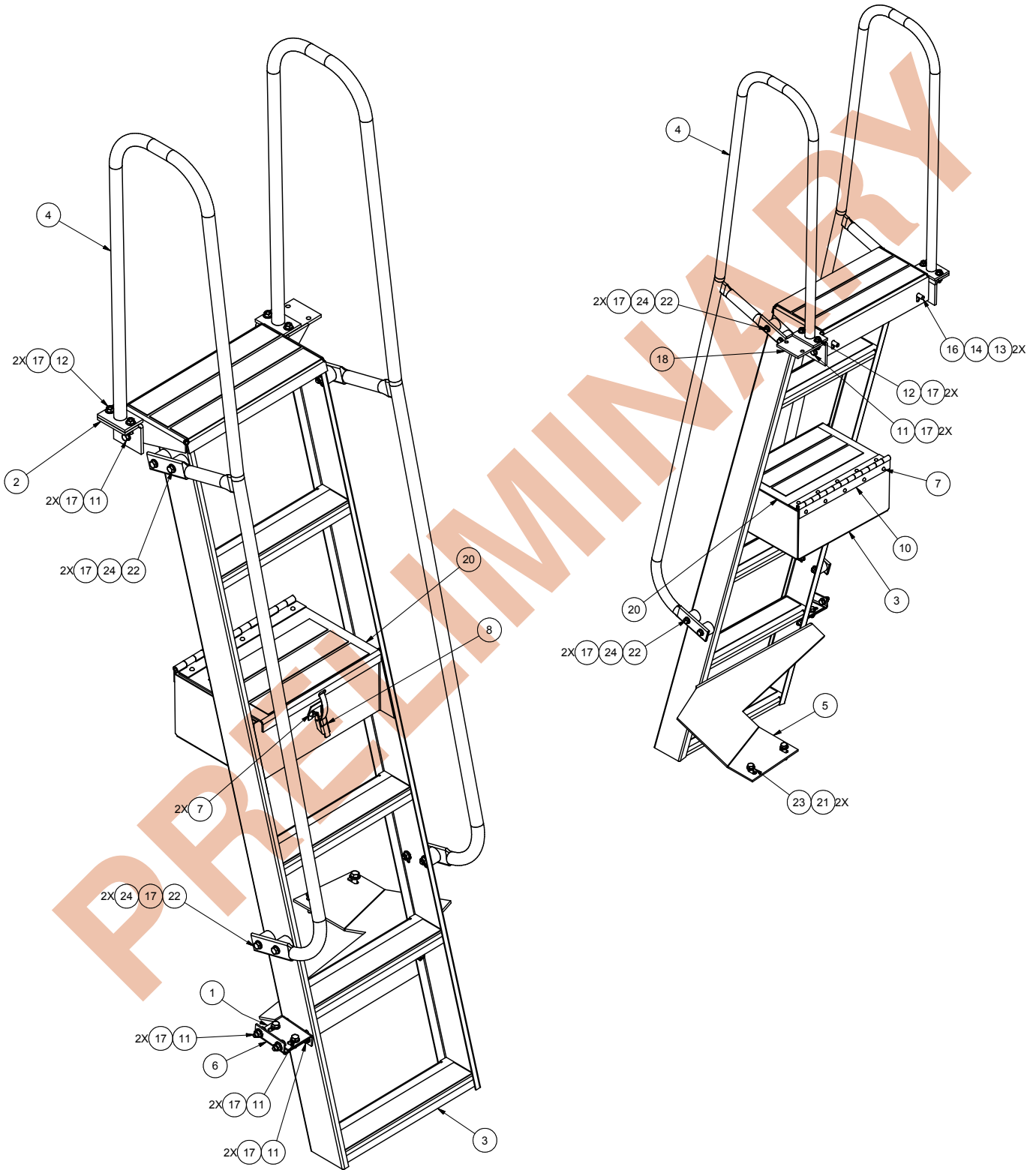


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
900323 Rail Assembly, Safety							
1	RAL0024153	1	. Handrail Weldment, Rear	6	191534W	7	. Nut
2	RAL0024152	1	. Rail Weldment, Side	7	CLP7701163	1	. Insulated Hose Clamp
4	SMS0000177	4	. Bolt, Whiz	8	134803W	2	. Screw
5	SMS0000184	5	. Bolt, Whiz				

Rev A

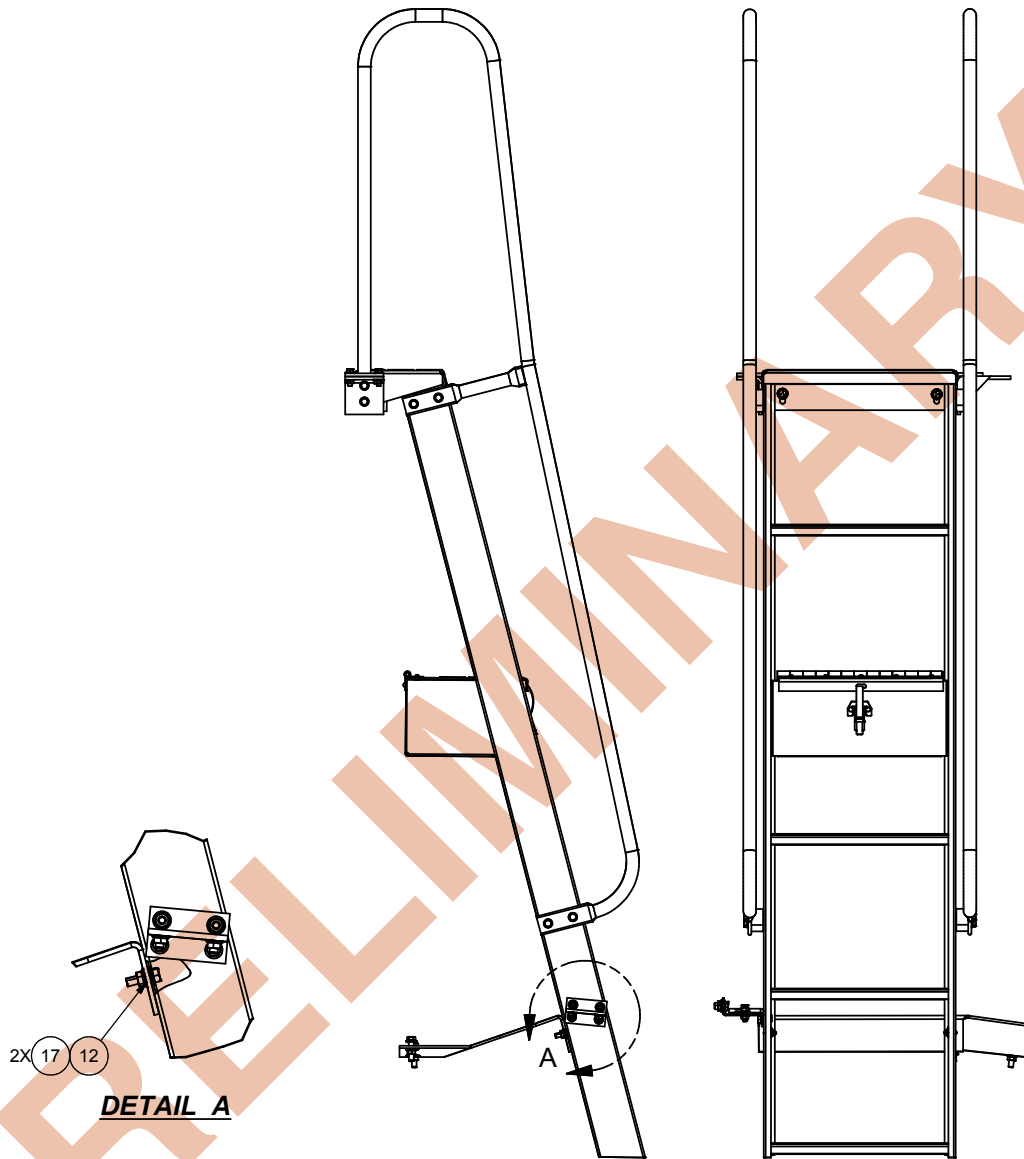
Ladder Assembly

Page 1 of 2



Ladder Assembly

Page 2 of 2

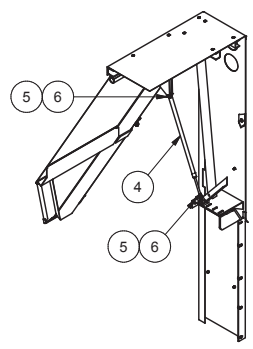
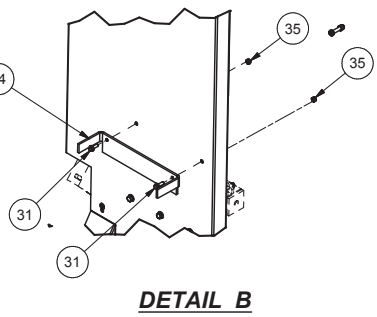
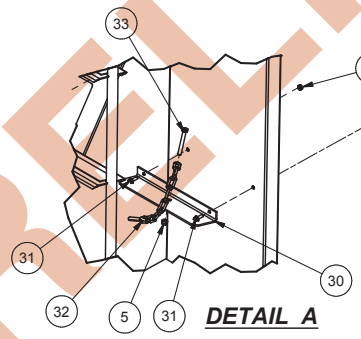
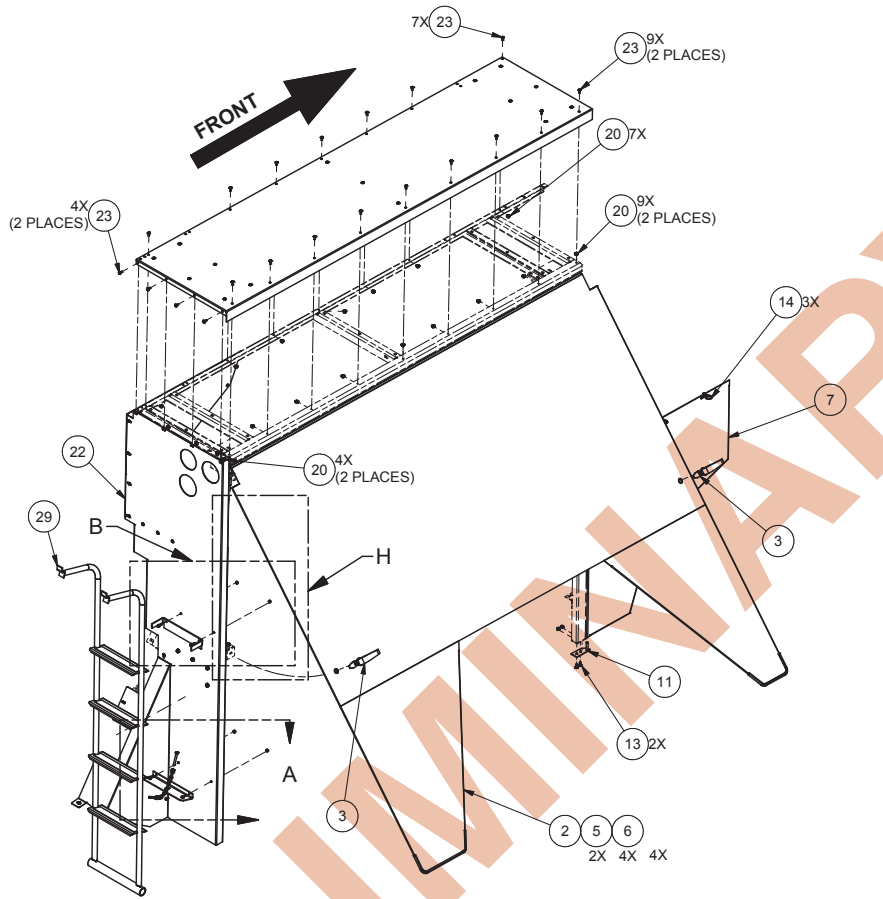


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
900324 Ladder Assembly							
1	BRC0025407	1	. Plate,Brace	13	R13812514	2	. Lockwasher
2	BKT0023510	1	. Bracket	14	223427	2	. Flat Washer
3	905783	1	. Ladder Assembly, Service	16	16805W	2	. Capscrew
	905782	7	. . Skid Resistant Strip	17	191534W	24	. Nut
4	RAL0023318	2	. Service Ladder Handrail Assy	18	BKT0024175	1	. Bracket Weldment
5	SUP0023344	1	. Plate, Support	20	CVR0023598	1	. Tool Box Cover Assembly -1590
6	BRC0025406	1	. Plate,Brace		905901	3	. . Skid Resistant Strip
7	RIV0000604	12	. Rivet	21	156133W	2	. Nut
8	CLP0000130	1	. Fastener, Hook Type	22	258779	8	. Bolt, Whiz
10	HNG0023485	1	. Hinge	23	SMS0000180	2	. Bolt, Whiz
11	SMS0000184	10	. Bolt, Whiz	24	905784	8	. Tube, Spacer
12	SMS0000177	6	. Bolt, Whiz				

Rev B

Shields & Doors Installation

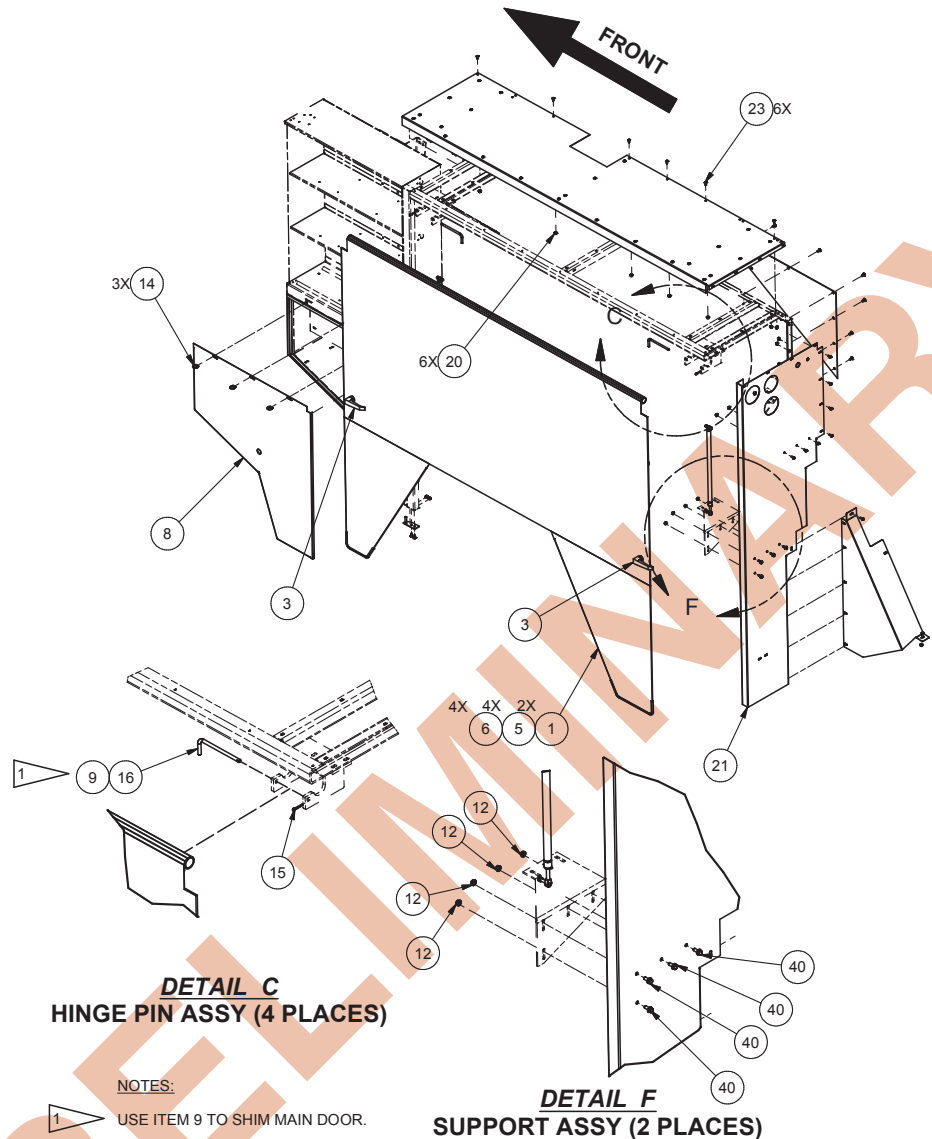
Page 1 of 4



DETAIL H
(4) PLCS

Shields & Doors Installation

Page 2 of 4

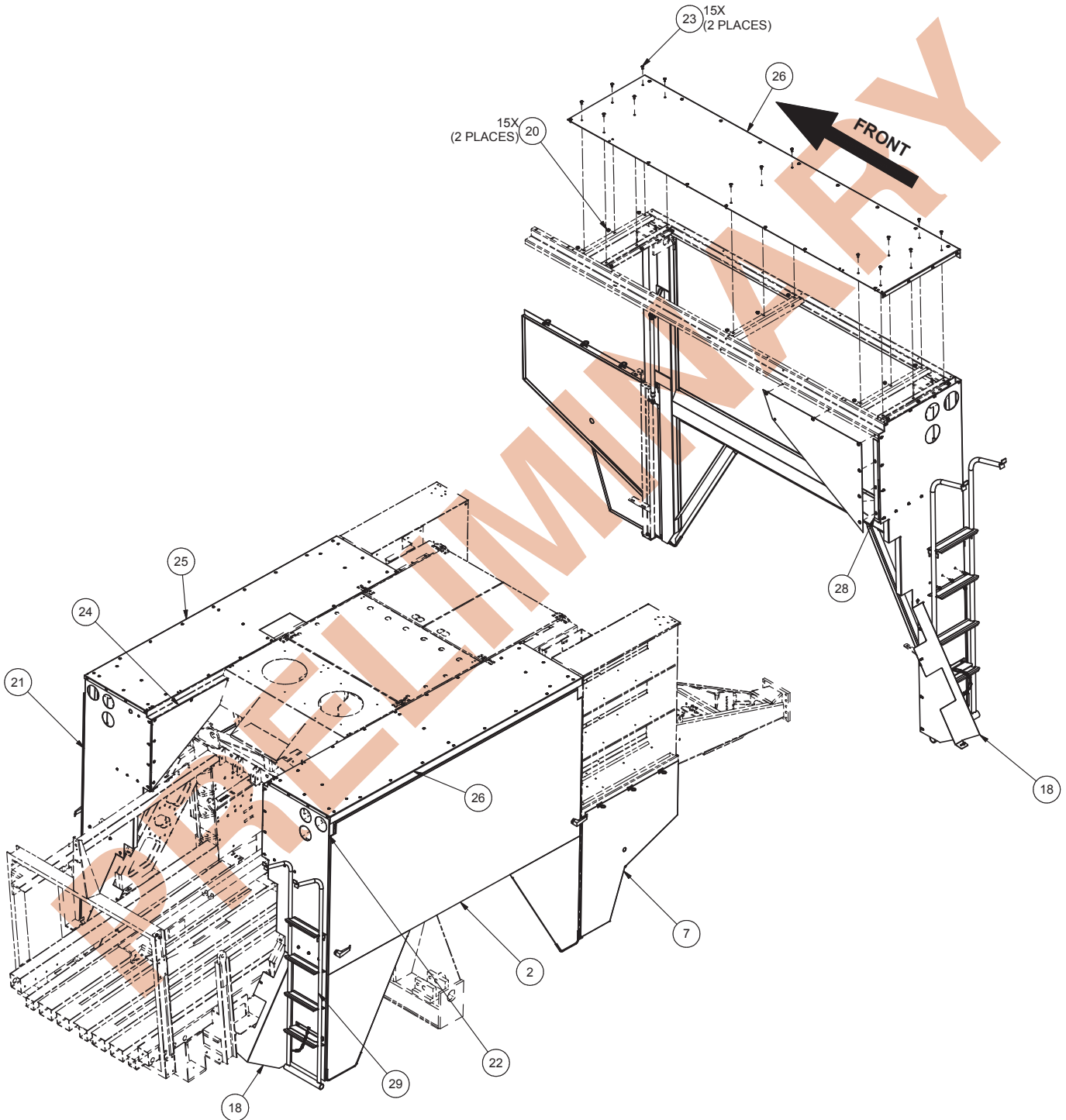


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905911 Shields & Doors Installation							
1	905954	1	. Main Door, LH	20	09416918	95	. Nut, Serrated
2	905955	1	. Main Door, RH	21	906011	1	. Plate, Rear Shield LH
3	HAN6210603	4	. Lift-N-Latch Handle	22	906015	1	. Plate, Rear Shield RH
4	CYL0080614	4	. Gas Spring Cylinder	23	SMT0001003	91	. Screw
5	223588	9	. Nut, Esna	24	CVR0025413	2	. Plate, Rear Closure
6	R13811016	8	. Capscrew	25	905987	1	. Plate, Top LH
7	906117	1	. Door Weldment, RH	26	SHD0023287	1	. Plate, RH Top
8	906119	1	. Door Weldment, LH	27	MNT2541200	1	. Plate, LH Mounting
9	223427	A/R	. Flat Washer	28	MNT2541201	1	. Plate, RH Mounting
10	HNG0233390	1	. Hinge Weldment, LH	29	905951	1	. Ladder Assembly, Portable
11	HNG0233391	1	. Hinge Weldment, RH		905901	4	. Skid Resistant Strip
12	00273802	24	. Nut, Serrated	30	BKT0016157	1	. Bottom Ladder Storage Bracket
13	235176	16	. Capscrew	31	399741W	4	. Screw
14	FST0010401	6	. Fastener, Folding Handle	32	PIN0021155	1	. Pin Assembly
15	COT0000801	4	. Cotter Pin	33	R13811020	1	. Capscrew
16	PIN0023475	4	. Pin, Hinge	34	BKT0016158	1	. Bracket
17	906008	1	. Plate, Needle Yoke LH	35	221703W	4	. Hex Nut
18	906009	1	. Plate, Needle Yoke RH	40	SMS0000184	8	. Bolt, Whiz
19	SMT0001001	4	. Screw				

Rev A

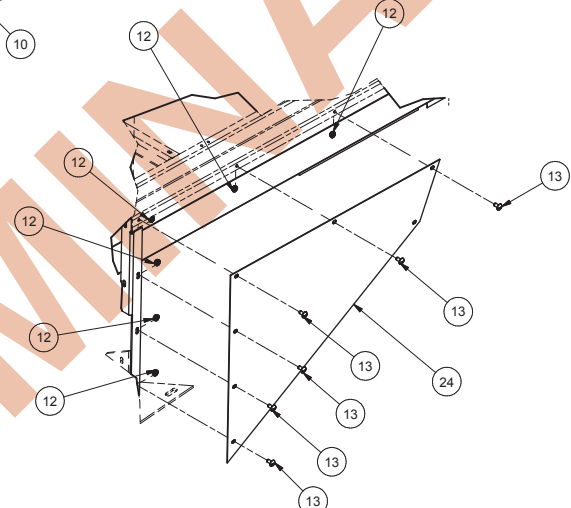
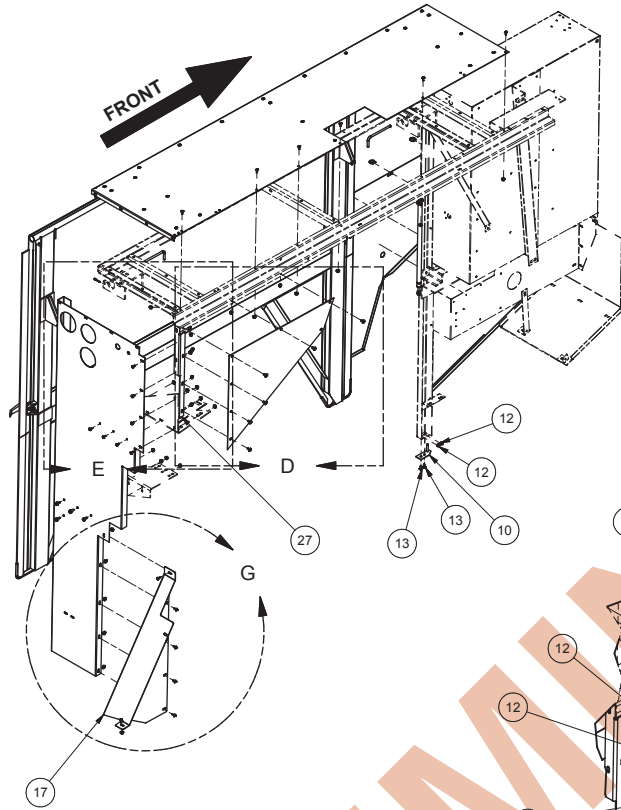
Shields & Doors Installation

Page 3 of 4

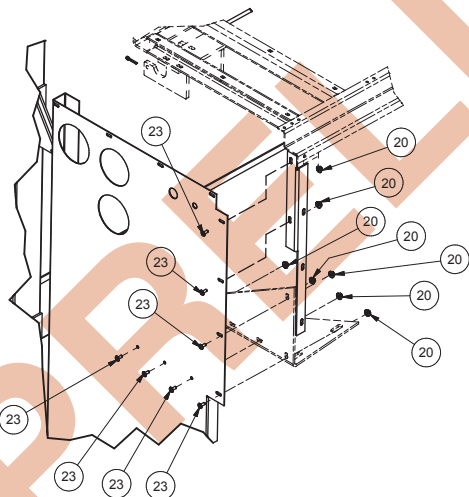


Shields & Doors Installation

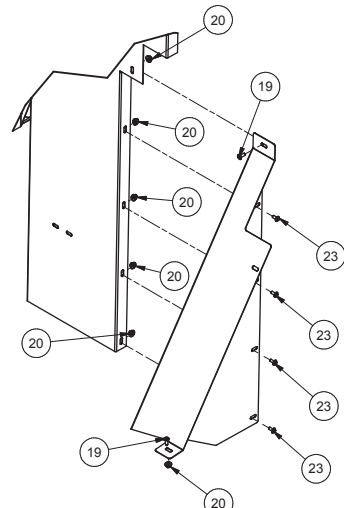
Page 4 of 4



DETAIL D
REAR CLOSER PLATE (2 PLACES)



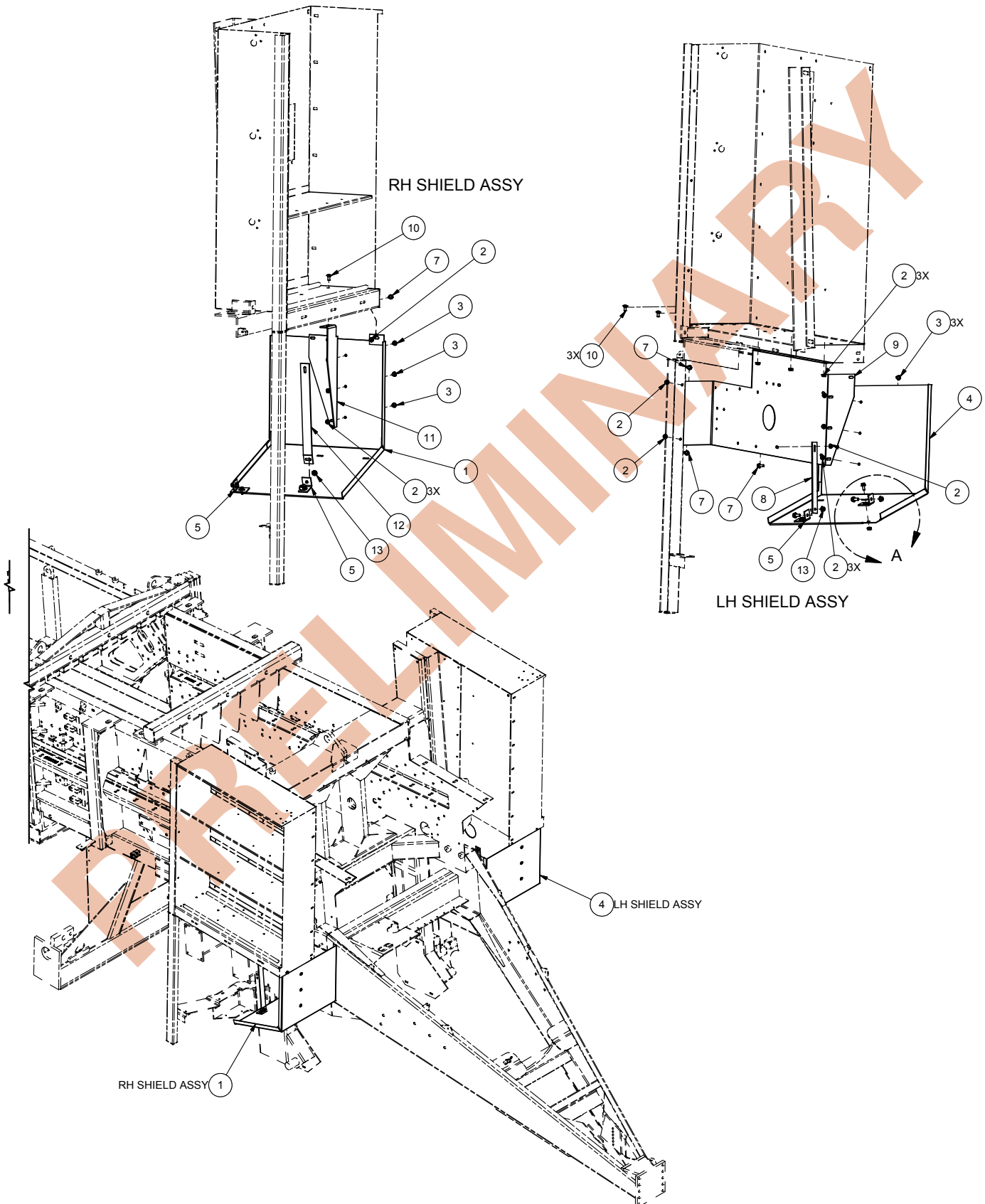
DETAIL E
REAR SHIELD ASSY (2 PLACES)



DETAIL G
NEEDLE YOKE GUARD ASSY (2 PLACES)

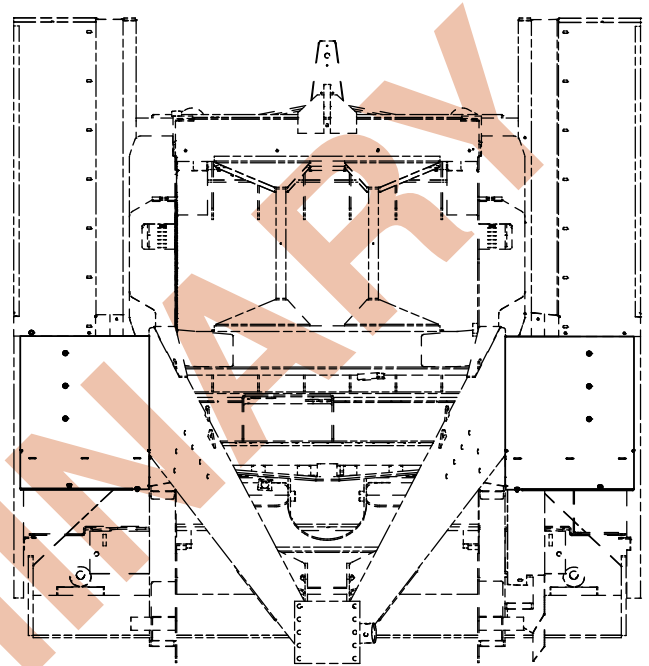
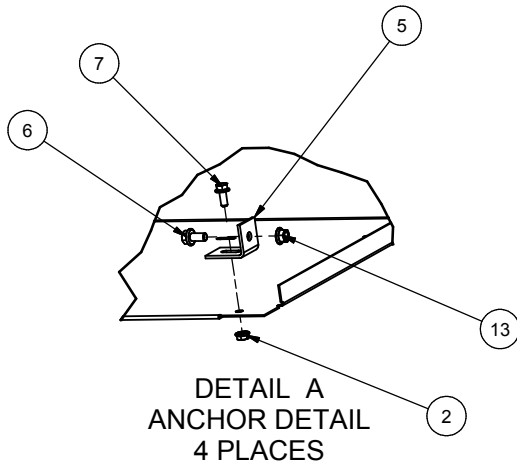
Shield Installation, Lower Front

Page 1 of 2



Shield Installation, Lower Front

Page 2 of 2



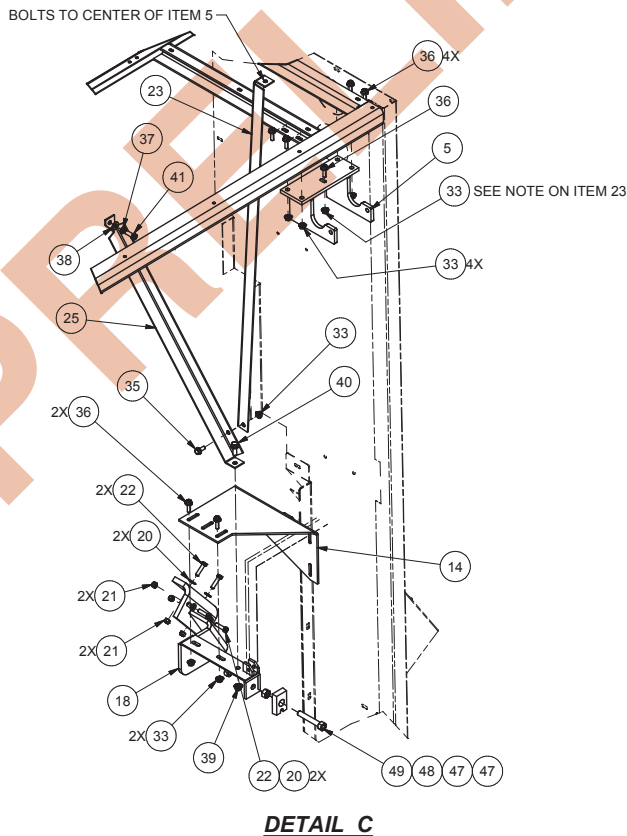
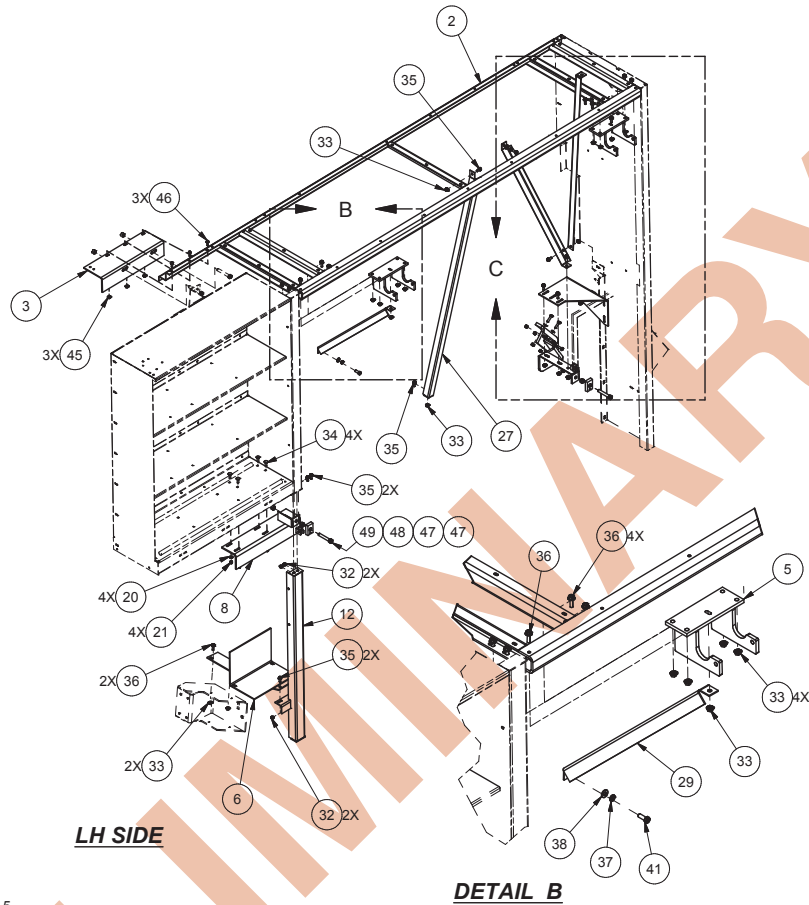
PRELIMINARY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905912 Shield Installation, Lower Front							
1	SHD0023399	1	. Shield Weldment, Lower RH	8	ANC0023322	1	. Plate, LH Front
2	00273802	18	. Nut, Serrated	9	905917	1	. Plate, Mounting
3	235176	6	. Capscrew	10	CRB3130075	4	. Bolt
4	905915	1	. Shield Weldment, Lower LH Front	11	BRC0023404	1	. Plate, Brace
5	ANC0023506	4	. Plate, Anchor	12	ANC0023403	1	. Plate, RH Front
6	134803W	4	. Screw	13	156133W	4	. Nut
7	SMS0000184	8	. Bolt, Whiz				

Rev A

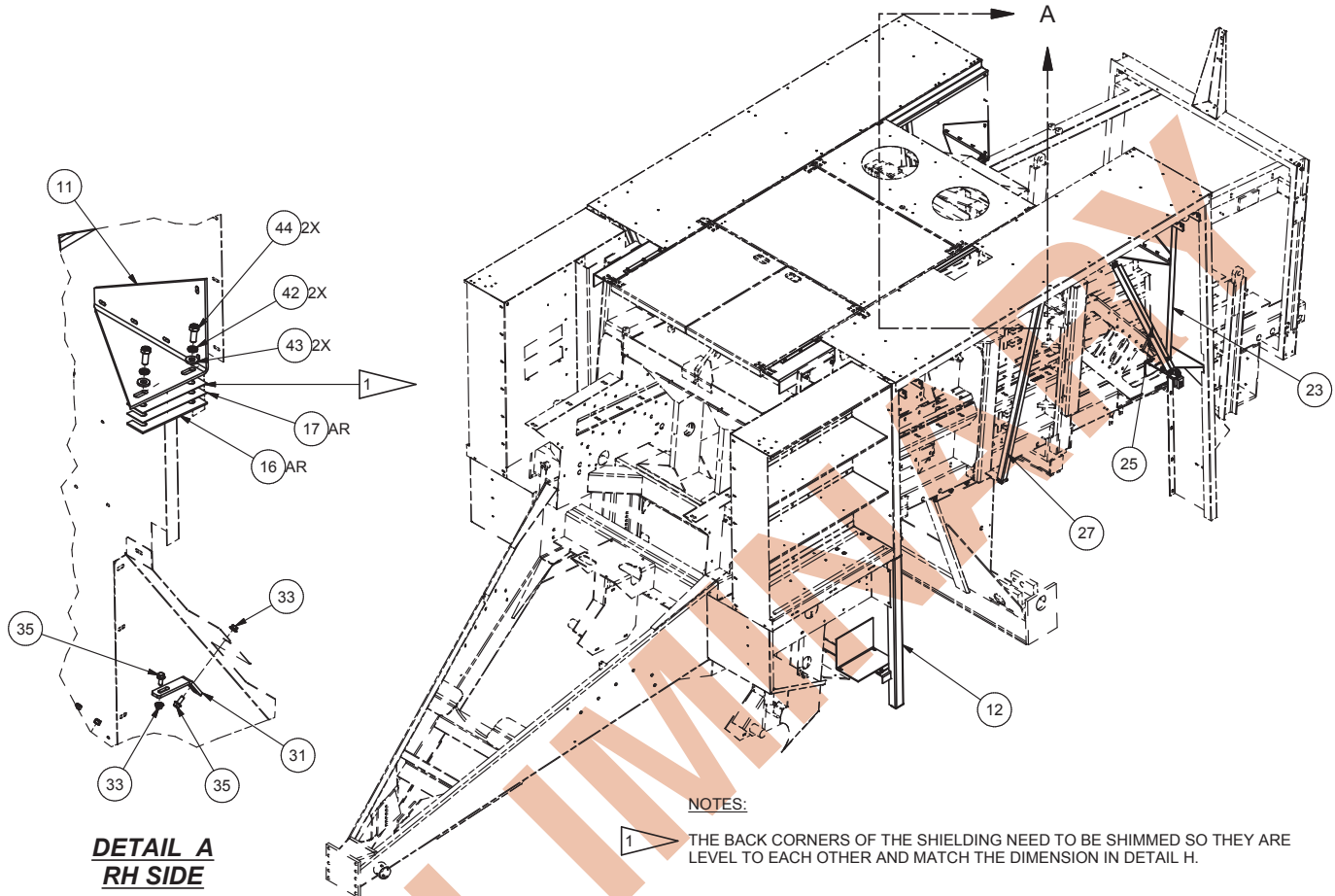
Side Shields & Door Supports Installation

Page 1 of 4



Side Shields & Door Supports Installation

Page 2 of 4

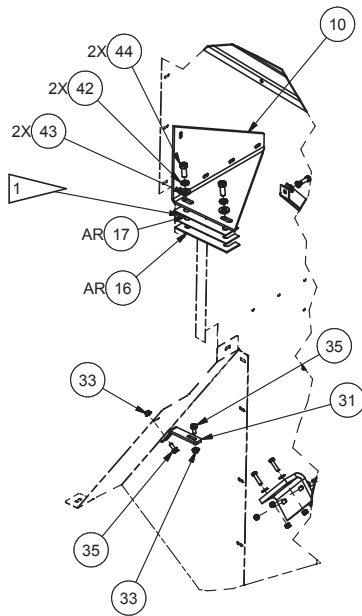


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905918 Side Shields & Door Supps Inst							
1	FRM0232910	1	. Support Weldment, RH	26	906002	1	. Plate, RH Rear Brace
2	FRM0232911	1	. Support Weldment, LH	27	906004	1	. Plate, LH Center
3	SUP5061370	1	. Plate, LH Front	28	906005	1	. Plate, RH Center
4	SUP5061381	1	. Plate, RH Front	29	906006	1	. Plate, LH Front
5	MNT0023283	4	. Mounting Weldment	30	906007	1	. Plate, RH Front
6	MNT0023489	1	. Brace Weldment, LH	31	906010	2	. Plate, Mounting
7	BRC0233921	1	. Plate, RH Brace	32	00273802	8	. Nut, Serrated
8	MNT0233030	1	. Mounting Weldment, LH	33	191534W	38	. Nut
9	MNT0233031	1	. Mounting Weldment, RH	34	CRB3131000	8	. Bolt
10	SUP0234500	1	. Plate, LH Support	35	SMS0000184	18	. Bolt, Whiz
11	SUP0234501	1	. Plate, RH Support	36	SMS0000177	28	. Bolt, Whiz
12	SUP0023479	1	. Support Weldment	37	R13812514	4	. Lockwasher
13	SUP0023357	1	. Support Weldment	38	221767W	4	. Washer
14	SUP0252950	1	. Plate, LH Support	39	156133W	2	. Nut
15	SUP0252951	1	. Plate, RH Support	40	174413W	2	. Screw
16	SHM0023544	A/R	. Plate, Shim	41	16805W	4	. Capscrew
17	SHM0023545	A/R	. Shim	42	234665	4	. Lockwasher
18	905990	1	. Mounting Bracket, Rear LH	43	221771W	4	. Washer
19	905993	1	. Mounting Bracket, Rear RH	44	221563W	4	. Capscrew
20	R13802914	16	. Hard Washer	45	264150W	6	. Nut
21	223588	16	. Nut, Esna	46	399741W	6	. Screw
22	18498W	8	. Capscrew	47	221711W	8	. Hex Nut
23	905998	1	. Plate, LH Rear Brace	48	20-112	4	. Motor Mount/Stop Pad
24	906001	1	. Plate, RH Rear Brace	49	ROD0023528	4	. Bolt
25	905999	1	. Plate, LH Rear Brace				

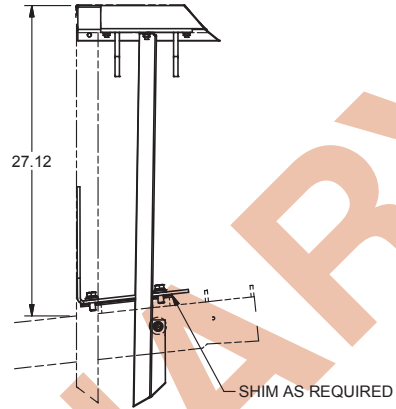
Rev B

Side Shields & Door Supports Installation

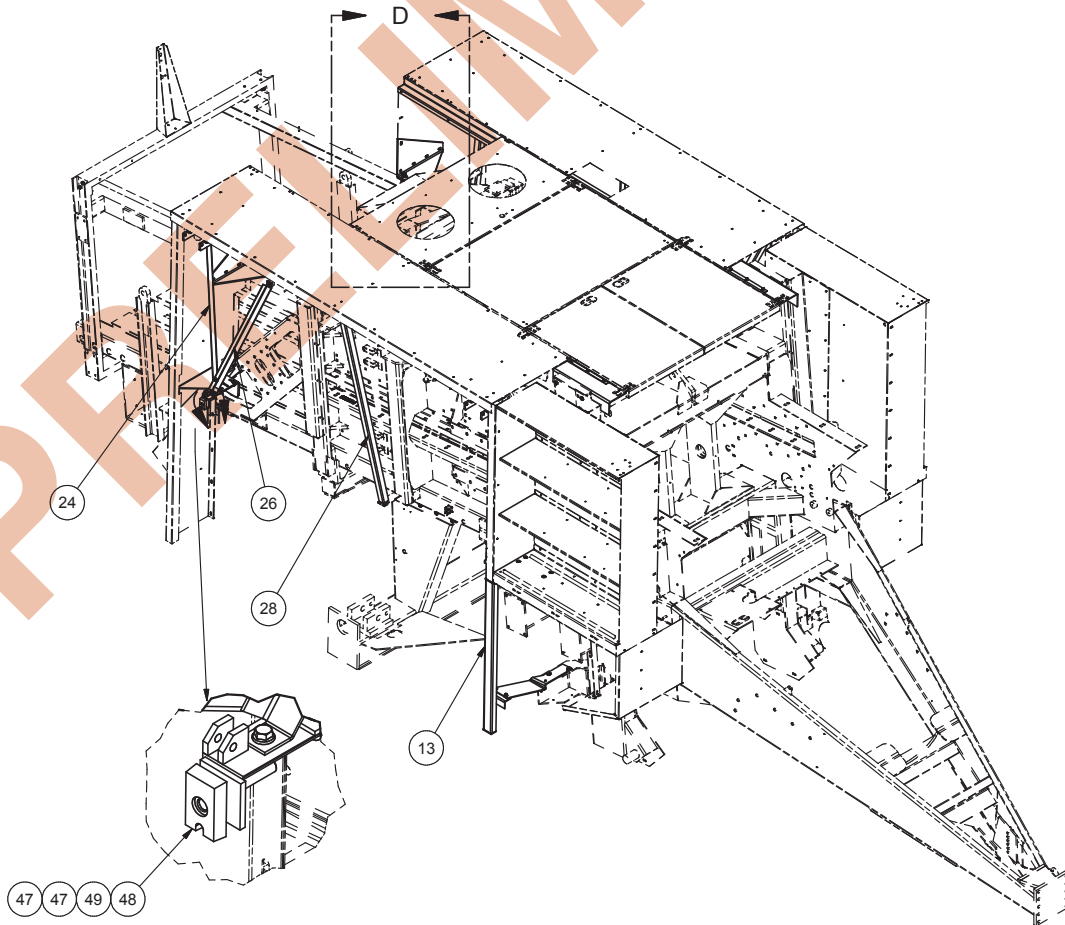
Page 3 of 4



DETAIL D
LH SIDE



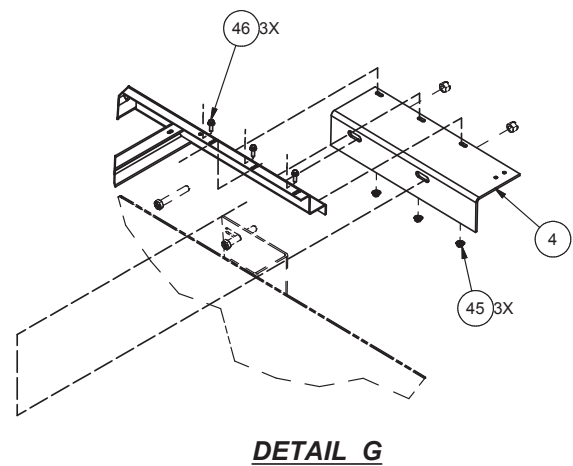
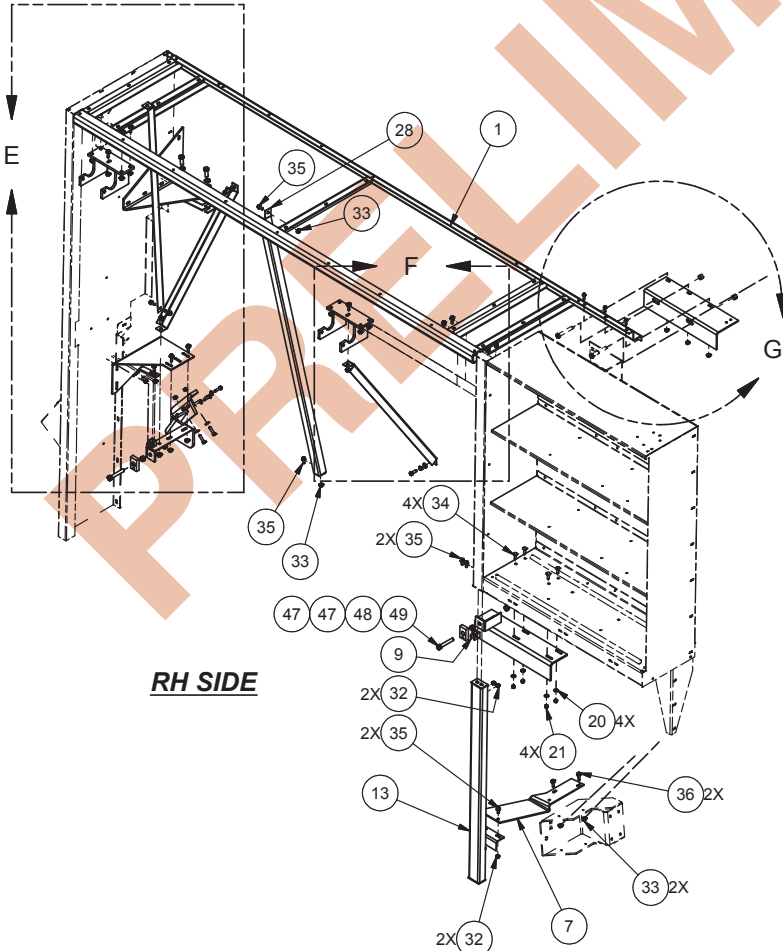
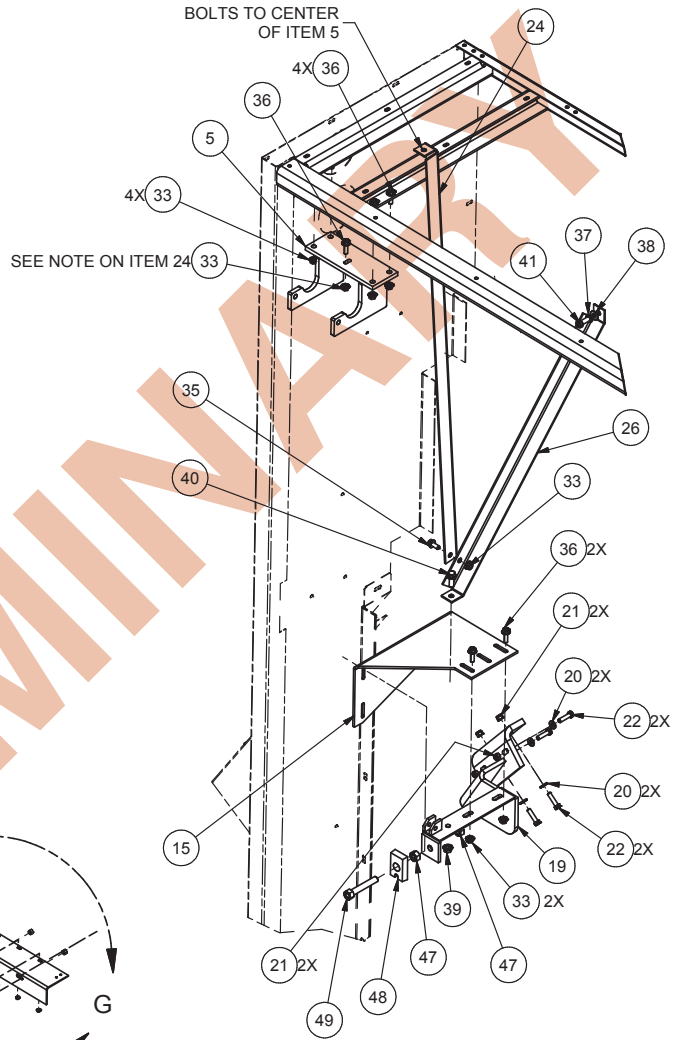
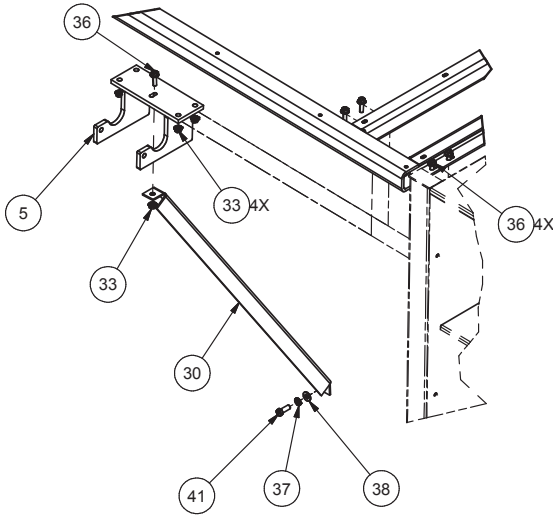
DETAIL H
(SEE NOTE 1)



DETAIL H

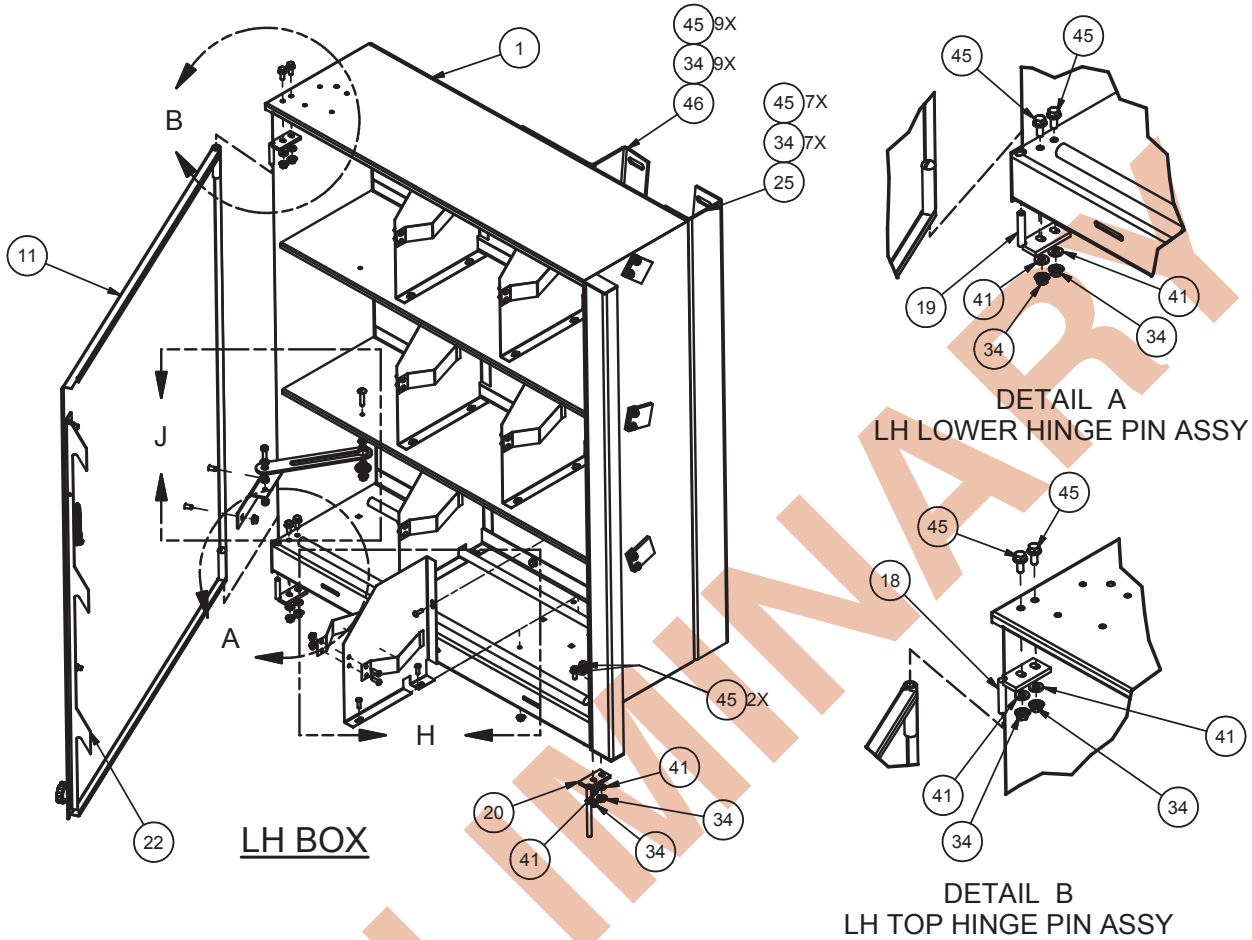
Side Shields & Door Supports Installation

Page 4 of 4



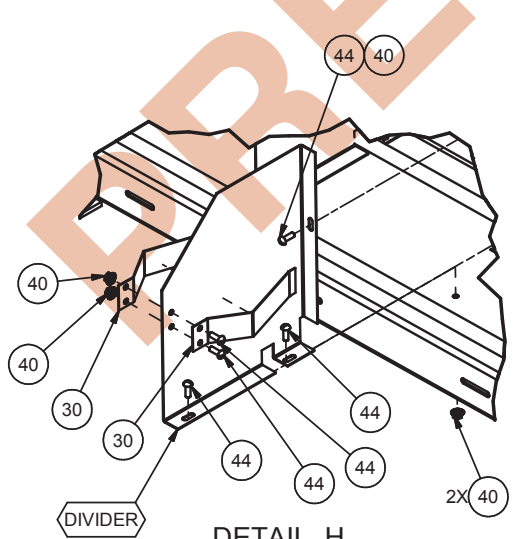
Twine Box Installation, Front

Page 1 of 5

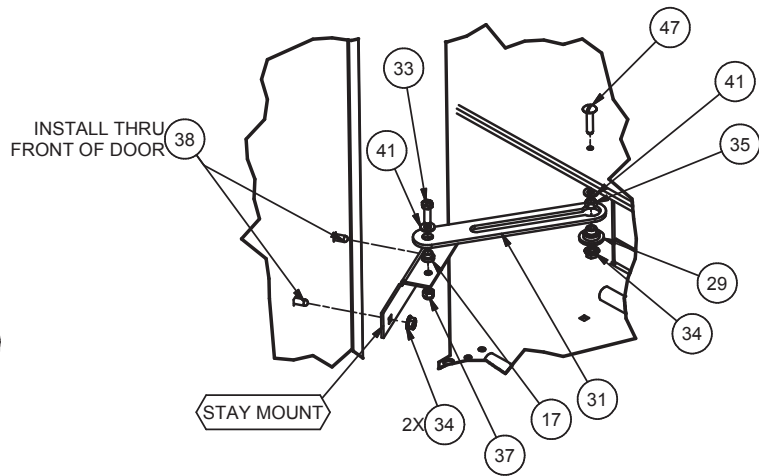


DETAIL A
LH LOWER HINGE PIN ASSY

DETAIL B
LH TOP HINGE PIN ASSY



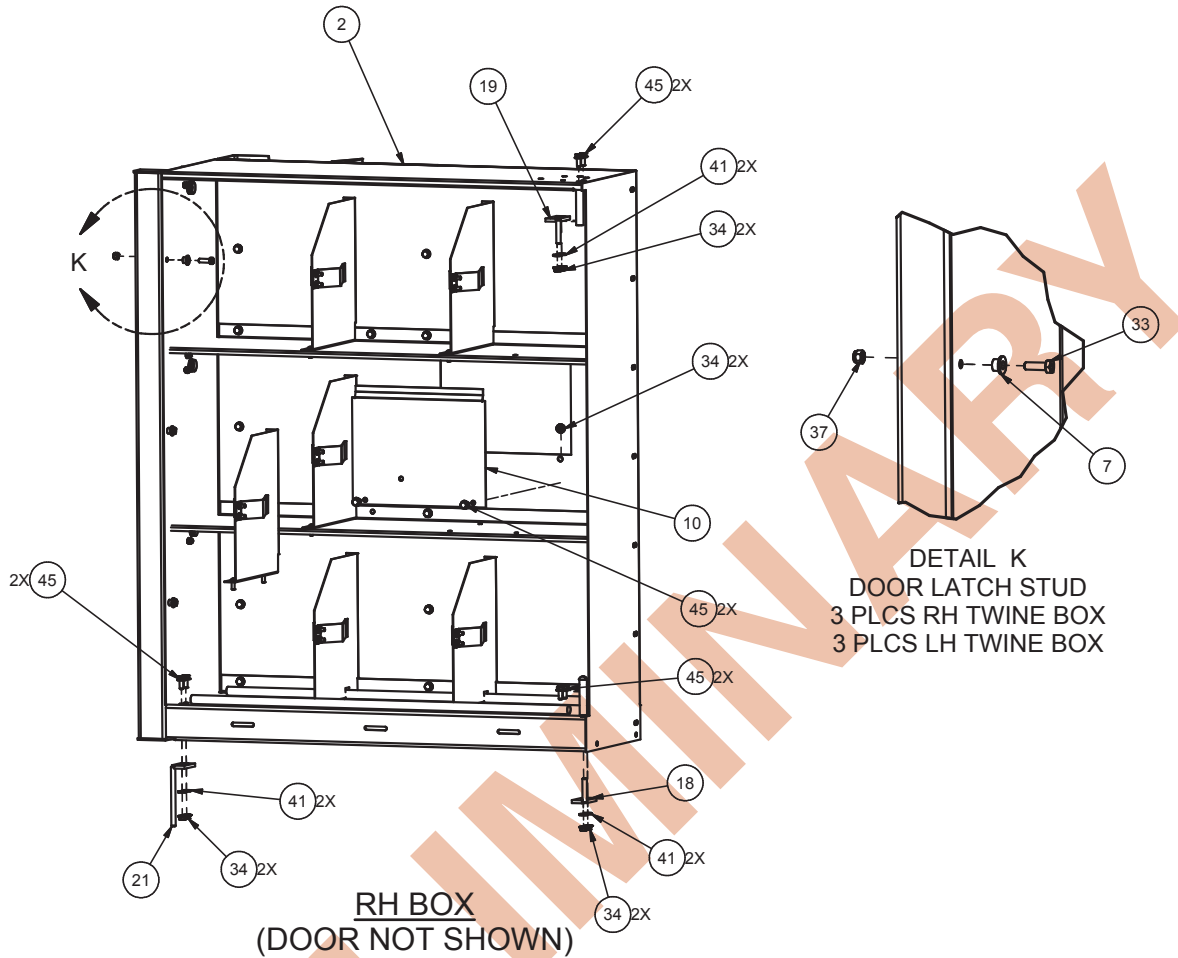
DETAIL H
DIVIDER INSTALLATION
6 PLCS RH TWINE BOX
6 PLCS LH TWINE BOX
(SEE SHEET 2 FOR DIVIDER P/N)



DETAIL J
STAY MOUNT ASSY
1 PLACE RH TWINE BOX
1 PLACE LH TWINE BOX
(SEE SHEET 2 FOR STAY MOUNT P/N)

Twine Box Installation, Front

Page 2 of 5

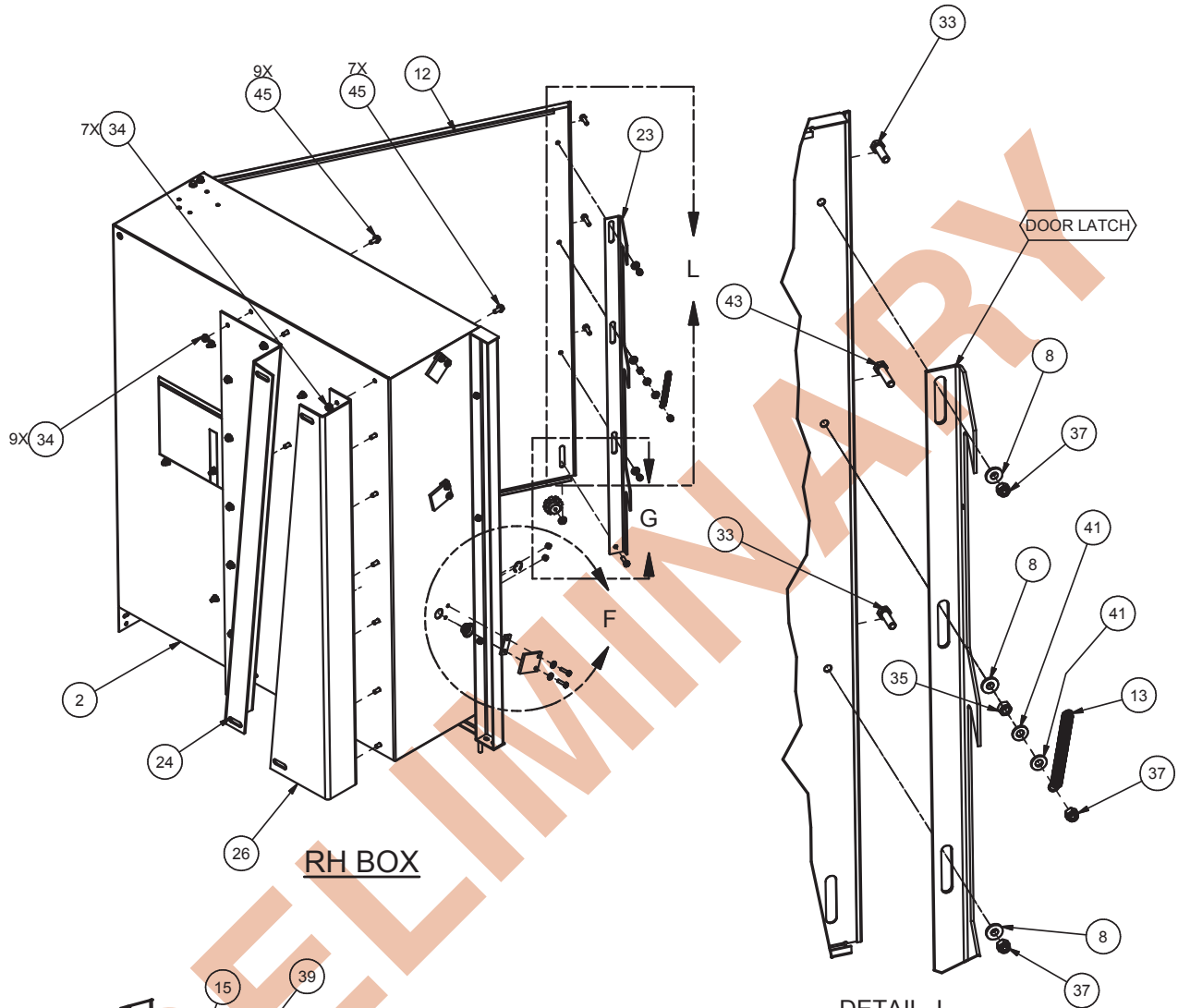


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
905949 Twine Box Installation, Front							
1	BOX0024949	1	. Twine Box, LH	28	MNT5064110	1	. Plate, LH Mounting
2	BOX0024950	1	. Twine Box, RH	29	PLU0506009	2	. Plug
3	BOX0232370	4	. Plate, LH	30	RET0023771	24	. Plate, Retainer
4	BOX0232371	4	. Plate, RH	31	SHD0096569	2	. Plate, Stay
5	BOX0507654	2	. Plate, LH	32	SPC0016465	6	. Bar, Spacer
6	BOX0507655	2	. Plate, RH	33	18497W	14	. Capscrew
7	BSH0015841	6	. Bushing	34	191534W	52	. Nut
8	BSH0015842	8	. Bushing	35	221705W	4	. Hex Nut
9	CVR0016464	6	. Cover Plate	36	221763W	12	. Washer
10	CVR0232361	1	. Plate, RH Cover	37	223588	14	. Nut, Esna
11	DOR0232300	1	. Door Weldment, LH	38	225176	4	. Hard Washer
12	DOR0232301	1	. Door Weldment, RH	39	00274856	12	. Nut, Esna
13	F000000278	2	. Spring, Tension	40	264150W	60	. Nut
14	F000000856	6	. Bushing	41	R13802914	20	. Hard Washer
15	F000000857	6	. Ring, Snap	42	Y01C-0416	12	. Capscrew
16	F000001007	2	. Knob, Control	43	18498W	2	. Capscrew
17	F000008147	2	. Bushing, Drive Rod	44	SMR0001001	60	. Machine Screw
18	HNG0232330	2	. Hinge Pin Weldment	45	SMS0000184	46	. Bolt, Whiz
19	900185	2	. Hinge Pin Weldment	46	MNT0231010	1	. Plate LH Mounting
20	HNG0235070	1	. Hinge Weldment, Lower	47	906109	2	. Machine Screw
21	HNG0235071	1	. Hinge Weldment, Lower	48	R13811083	8	. Capscrew
22	LTH1584700	1	. Plate, LH Latch	49	R13811193	8	. Locknut
23	LTH1584701	1	. Plate, RH Latch	50	15135W	16	. Washer
24	MNT0231011	1	. Plate, RH Mounting	51	F000000967	A/R	. Plate, Shim
25	MNT0231020	1	. Plate, LH Mounting	52	F00000967A	A/R	. Plate, Shim
26	MNT0231021	1	. Plate, RH Mounting	53	F00000967B	A/R	. Plate, Shim
27	MNT5061131	1	. Plate, RH Stay Mounting				

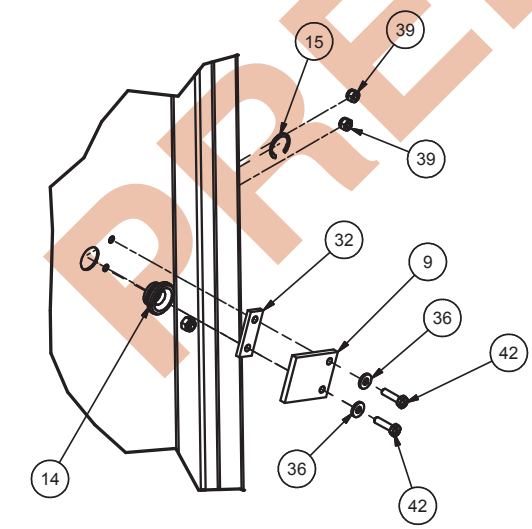
Rev A

Twine Box Installation, Front

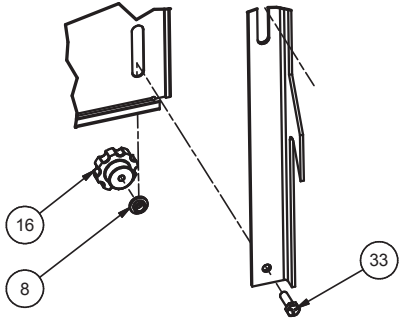
Page 3 of 5



DETAIL L
 DOOR LATCH/TRIP ARM SPRING ASSY
 1 PLACE RH TWINE BOX
 1 PLACE LH TWINE BOX
 (SEE SHEET 1 FOR DOOR LATCH P/N)



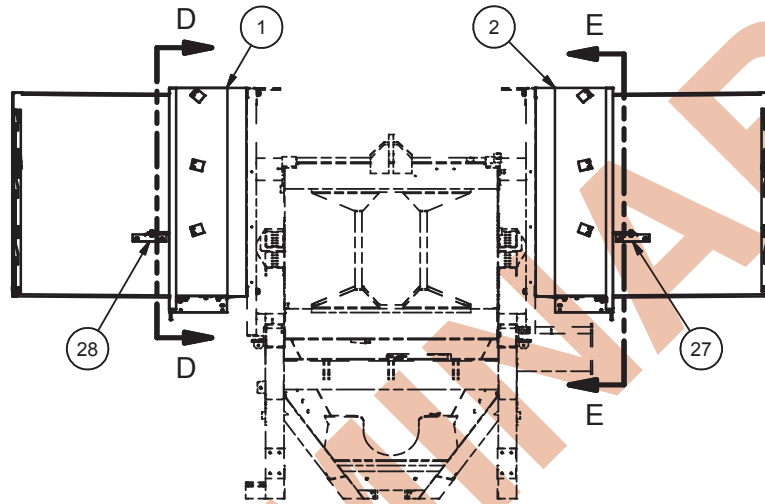
DETAIL F
 TWINE & WIRE GUIDE BUSHING ASSY
 3 PLCS RH TWINE BOX
 3 PLCS LH TWINE BOX



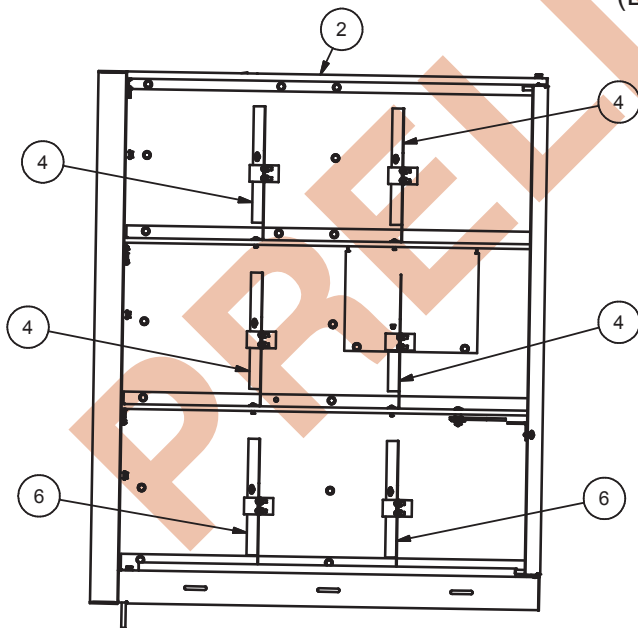
DETAIL G
 DOOR/CONTROL KNOB ASSY
 1 RH TWINE BOX
 1 LH TWINE BOX

Twine Box Installation, Front

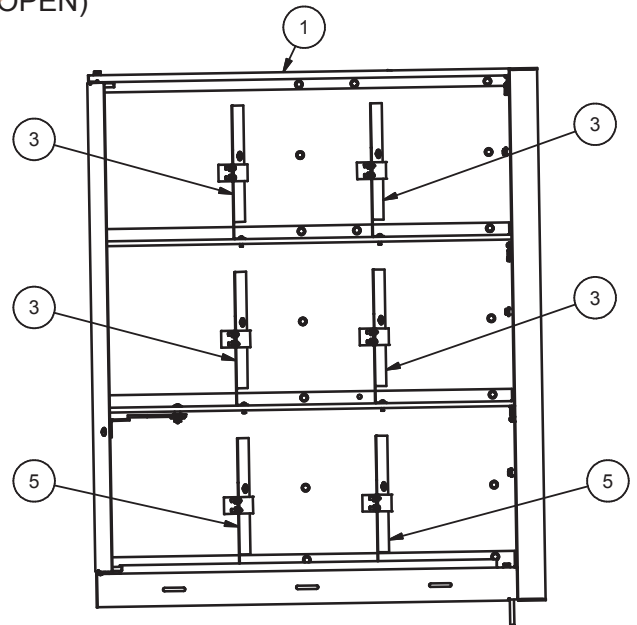
Page 4 of 5



SECTION C-C
(DOORS OPEN)



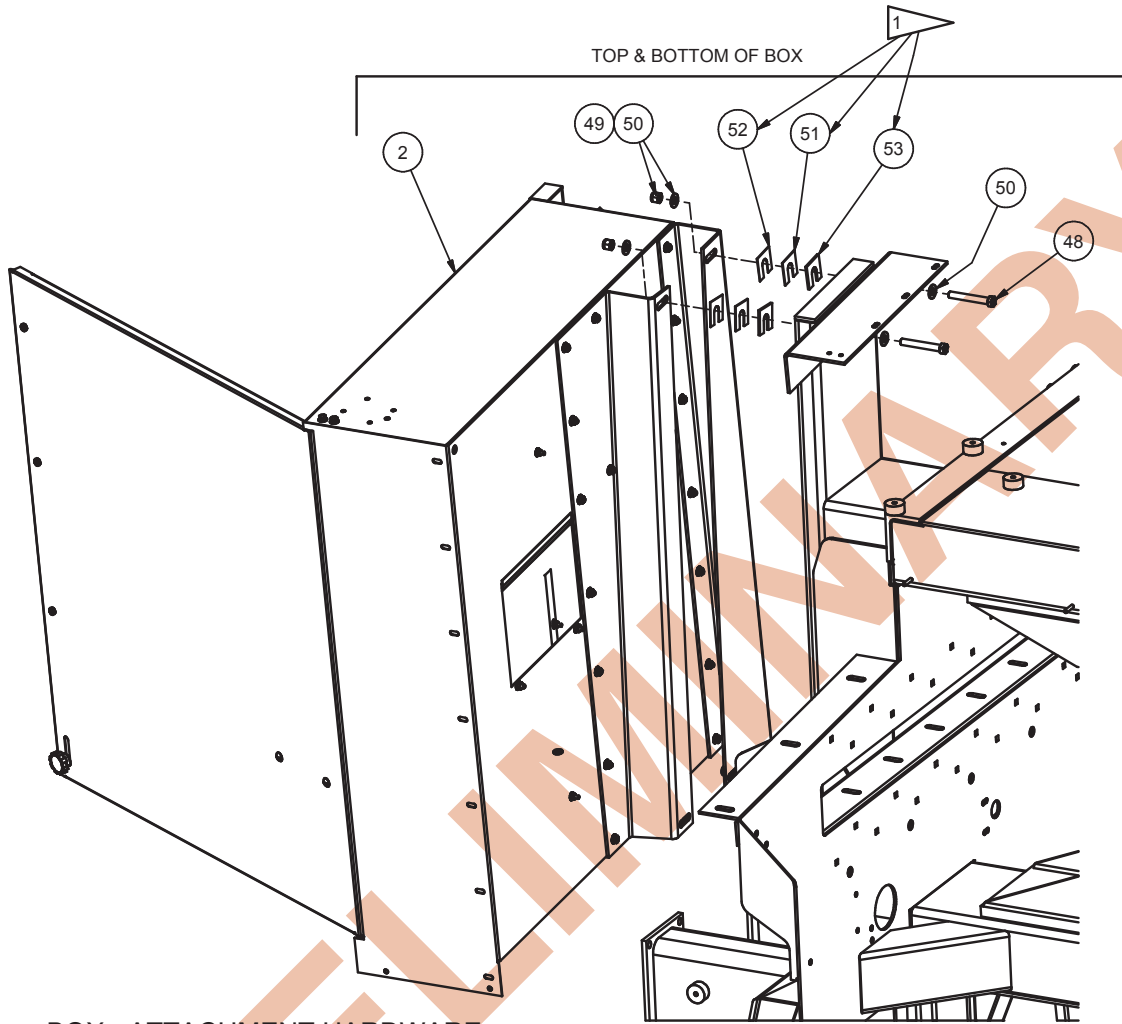
SECTION E-E
DIVIDER - RH BOX
(NOT ALL COMPONENTS SHOWN)



SECTION D-D
DIVIDER - LH BOX
(NOT ALL COMPONENTS SHOWN)

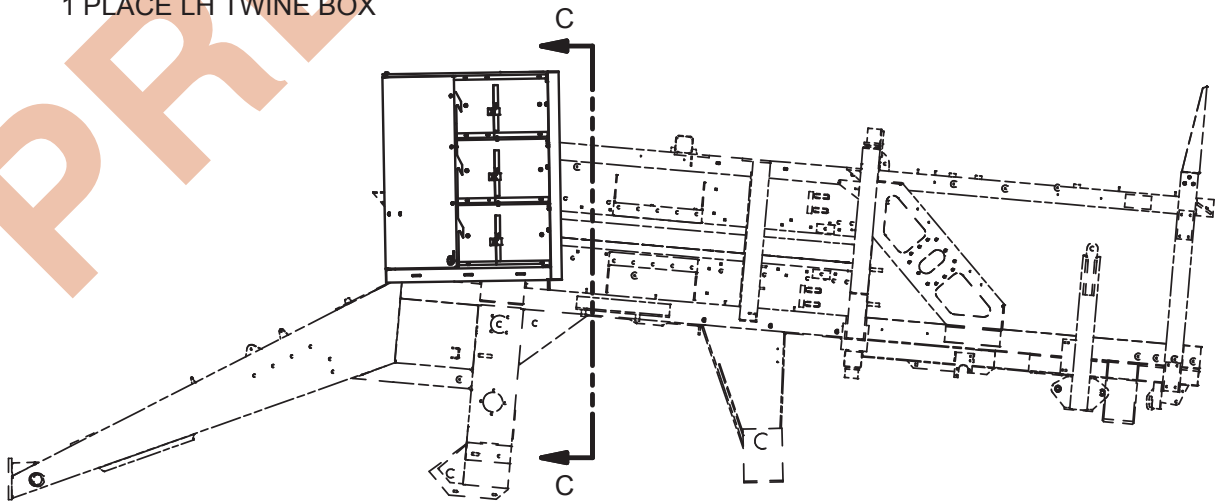
Twine Box Installation, Front

Page 5 of 5



BOX - ATTACHMENT HARDWARE

- 1 PLACE RH TWINE BOX
- 1 PLACE LH TWINE BOX



LH SIDE OF BALER

NOTES:

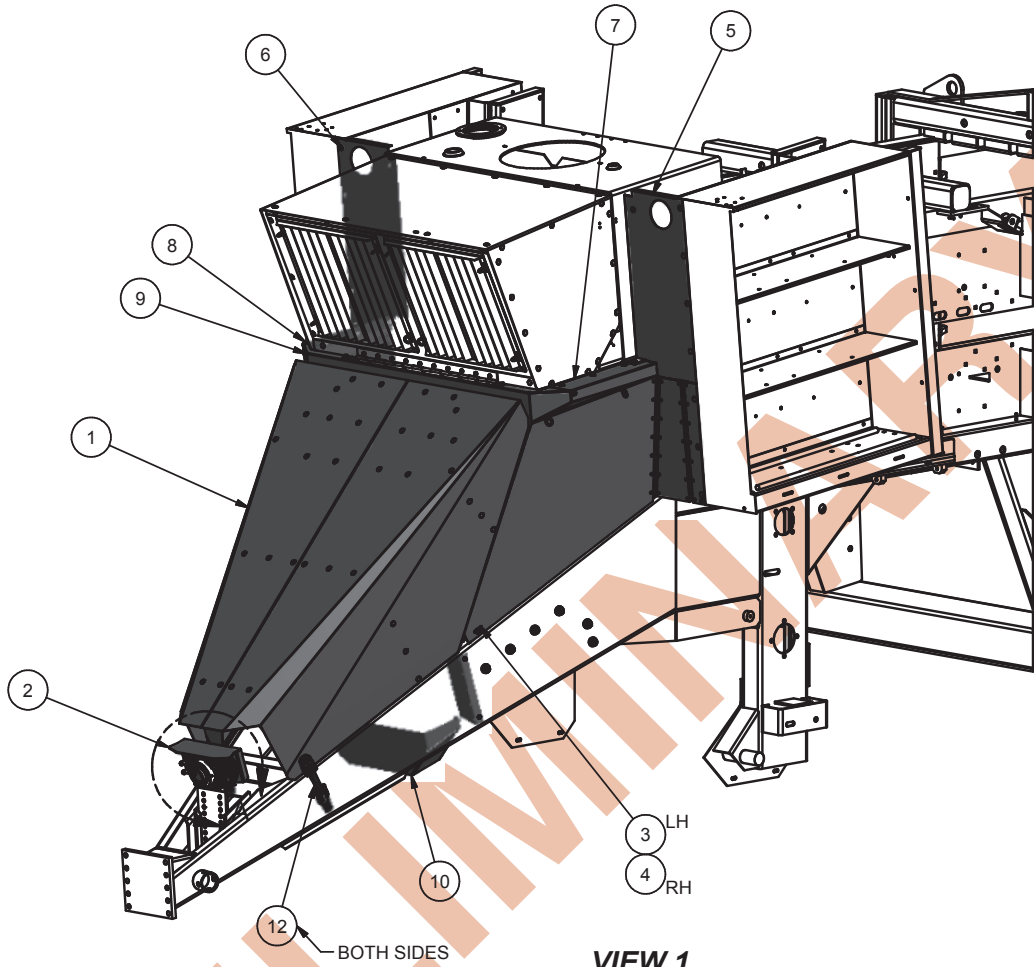
- 1 SHIM SO THAT BOXES ARE FLUSH WITH OTHER SHEILDING AND DOORS

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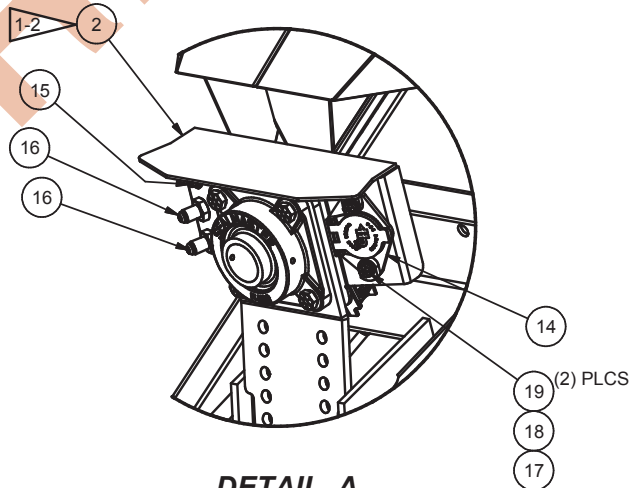
PRELIMINARY

Drive Unit Shield Installation

Page 1 of 4



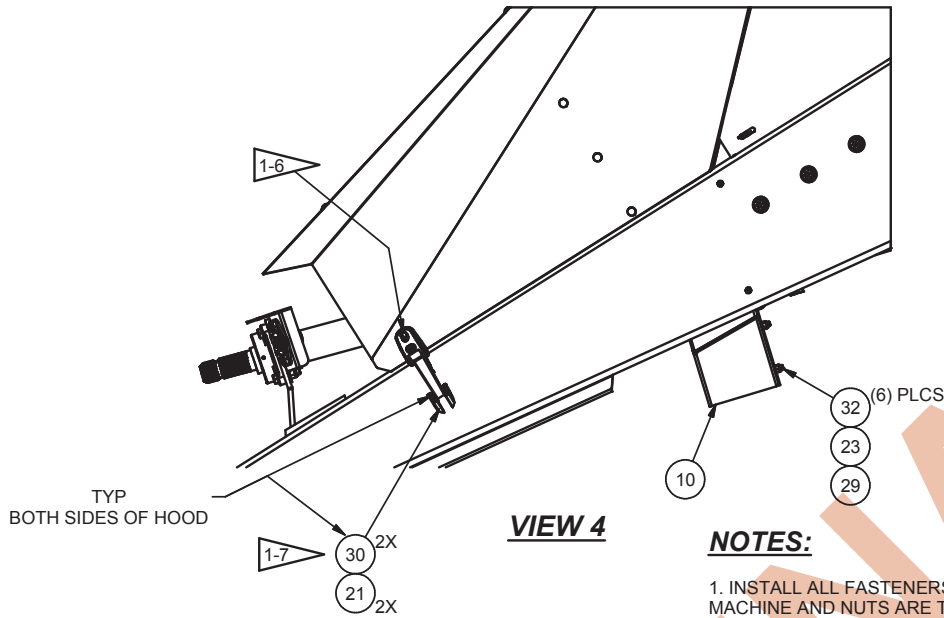
VIEW 1
GENERAL LAYOUT



DETAIL A
TRACTOR CONNECTION
POINTS

Drive Unit Shield Installation

Page 2 of 4



NOTES:

1. INSTALL ALL FASTENERS SO THAT HEADS ARE ON OUTSIDE OF MACHINE AND NUTS ARE TO THE INSIDE OF SHIELDING EXCEPT WHERE OTHERWISE CLEARLY SHOWN BY DRAWING VIEW.

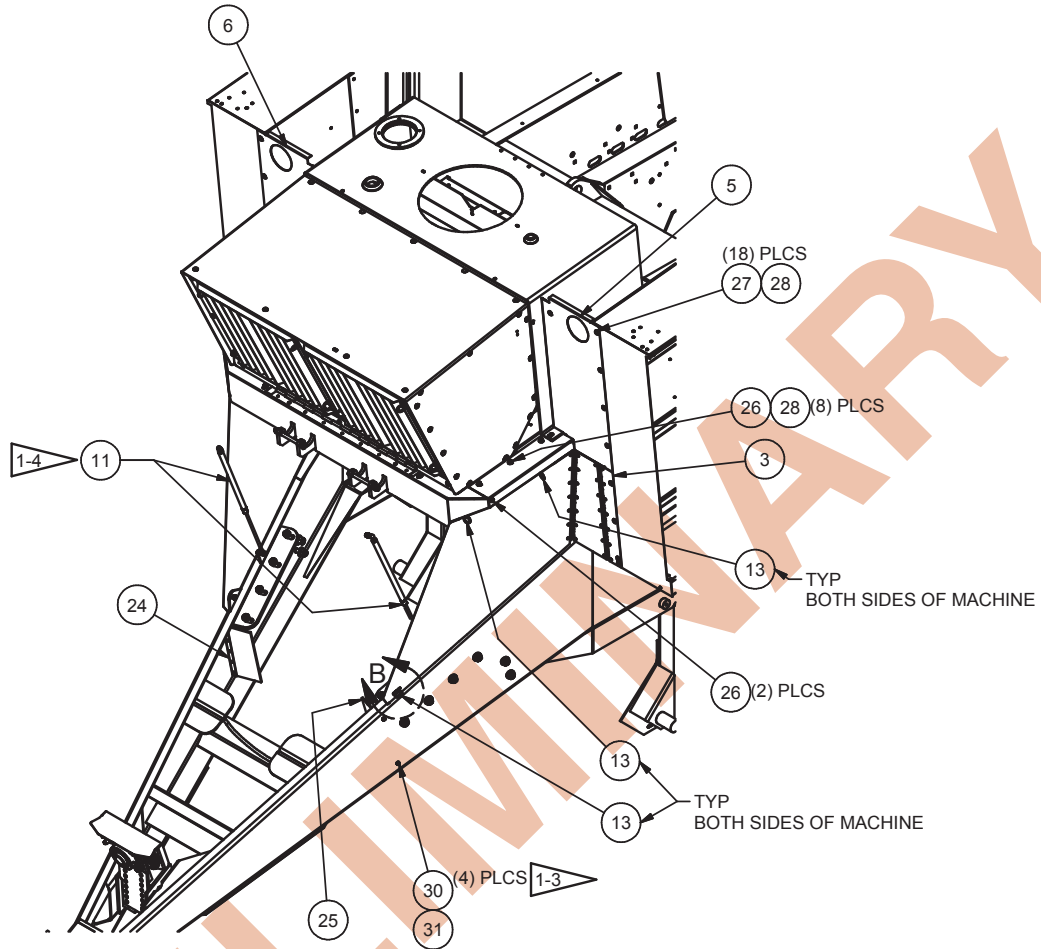
- 1-2 - INSTALL USING EXISTING HARDWARE FOR BEARING MOUNTING
- 1-3 - SEE DETAIL VIEWS ON SHEET 2 FOR ADDING HOLES TO FRAME RAIL FOR FASTENERS USED FOR MOUNTING ITEMS 24 & 25.
- 1-4 - ENSURE GAS CYLINDERS ARE INSTALLED SO ROD EXTENDS DOWNWARD, AS SHOWN
- 1-5 - AFTER INSTALLED HOOD HINGE BOLTS, CHECK FOR ALIGNMENT WITH TONGUE WHEN CLOSING. IF MISALIGNED LOOSEN FASTENERS IN HINGE PLATES IN HOOD ASSEMBLY AND ADJUST IN SLOTS TO ACHIEVE HOOD ALIGNMENT WITH TONGUE WHEN CLOSING.
- 1-6 - USE EXISTING HARDWARE IN HOOD ASSEMBLY TO MOUNT LATCH HANDLE. ***IF HARDWARE WILL NOT FIT COUNTERBORE IN LATCH HANDLE REPLACE WITH APPROPRIATE LENGTH WHIZ BOLT AND NOTIFY ENGINEERING***
- 1-7 - AFTER INSTALLING LATCH HANDLE ON HOOD USE LATCH TO LOCATE HOLES IN TONGUE PLATES AND DRILL AT ASSEMBLY. *** NOTIFY ENGINEERING OF HOLE LOCATION ***

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
906000 Shield Installation							
1	* 905775	1	. Cover Assembly, MDU (Page 191)	18	R13802914	4	. Hard Washer
2	905837	1	. Component Weldment, Hook-Up	19	R13811015	2	. Capscrew
3	906044	1	. Cover Assembly, LH	20	R13811089	2	. Capscrew
4	906045	1	. Cover Assembly, RH	21	R13811189	4	. Locknut
5	906061	1	. Plate, LH Front Top	22	R13811193	2	. Locknut
6	906062	1	. Plate, RH Front Top	23	R13811191	6	. Locknut
7	906080	1	. Plate, LH Shield	24	SHD0237731	1	. R.H. Rear Dust Shield Assembly
8	906081	1	. Plate, RH Shield	25	SHD0237730	1	. L.H. Rear Dust Shield Assembly
9	906082	1	. Hinge Weldment, Front	26	SMS0000184	10	. Bolt, Whiz
10	906059	1	. Plate, Bottom	27	SMT0002000	18	. Machine Screw
11	906071	2	. Spring, Gas	28	191534W	26	. Nut
12	256122	2	. Latch, Draw	29	221767W	6	. Washer
13	FST0010401	6	. Fastener, Folding Handle	30	224120W	8	. Capscrew
14	225263	1	. Socket	31	264150W	4	. Nut
15	258017	1	. Receptacle	32	Y17C-0616	6	. Capscrew
16	R14398	2	. Fitting				
17	R13811190	6	. Locknut				

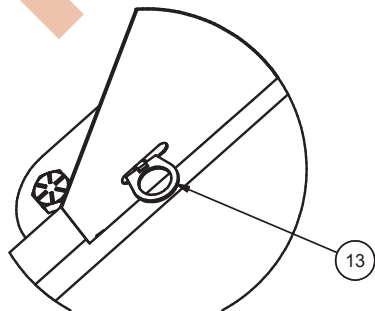
* See Separate Coverage

Drive Unit Shield Installation

Page 3 of 4



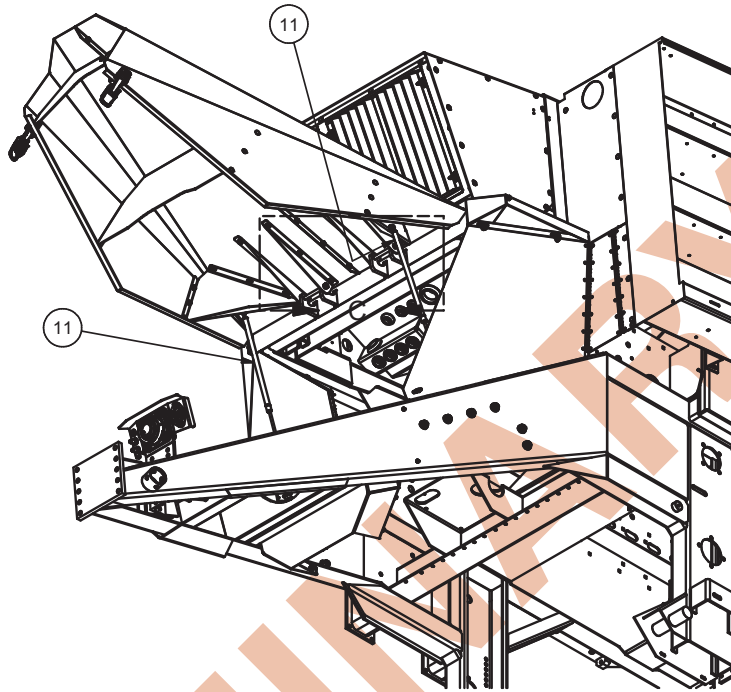
VIEW 2
INTERNAL PARTS
HOOD & MDU NOT SHOWN



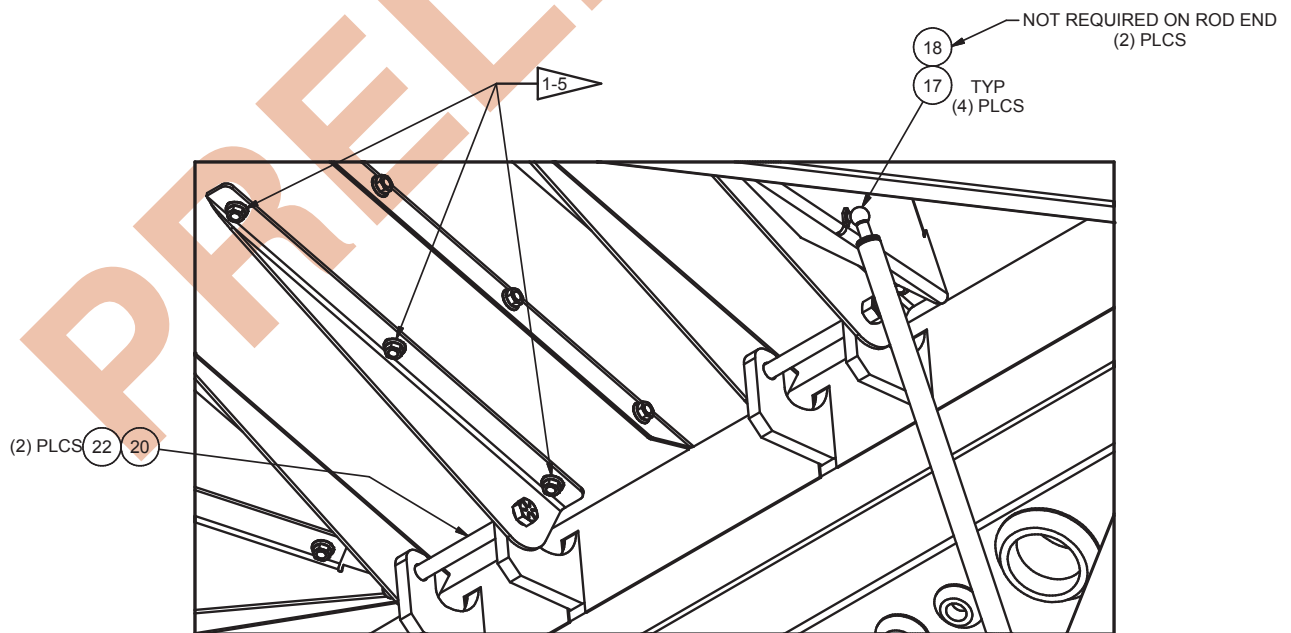
DETAIL B
TYPICAL FOLDING FASTENER INSTL
(6) PLCS

Drive Unit Shield Installation

Page 4 of 4



VIEW 3
UNDER HOOD
HOOD OPEN, MDU NOT SHOWN



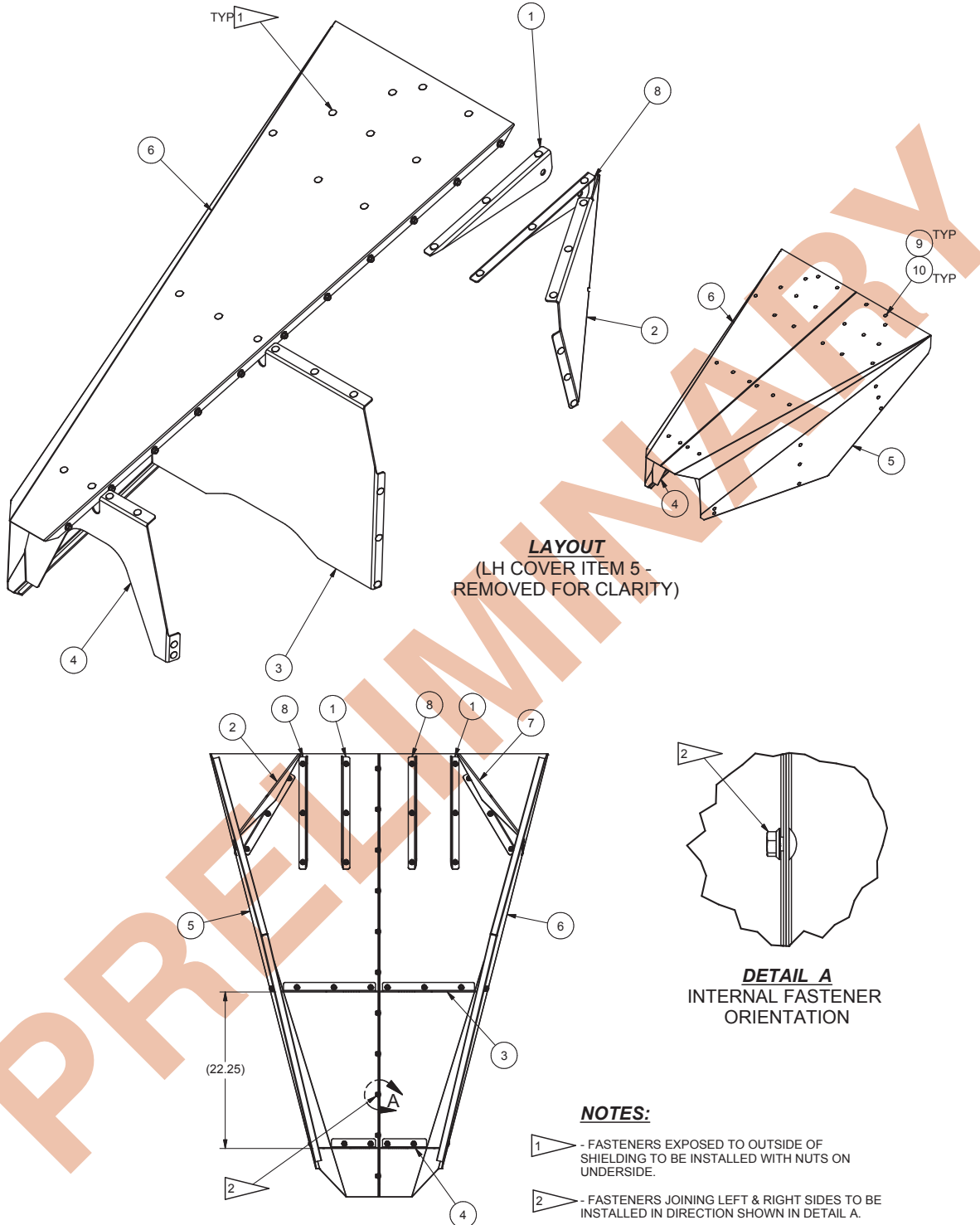
DETAIL C
HOOD HINGE, GAS SPRING &
ALIGNMENT ADJUSTMENT

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PRELIMINARY

Cover Assembly, MDU

Page 1 of 1

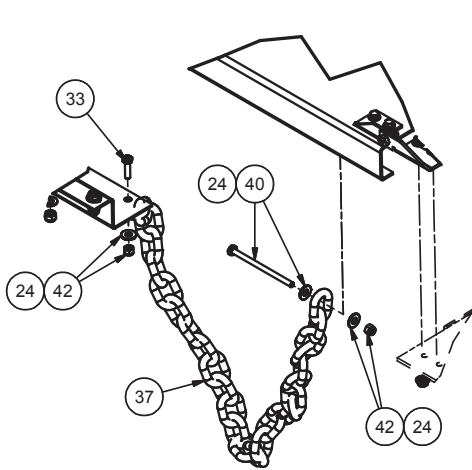


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905775		Cover Assembly, MDU				
1	906146	2	. Plate, RH Hinge	7	906349	1	. Plate, RH Brace
2	906326	1	. Plate, LH Brace	8	906350	2	. Plate, LH Hinge
3	906327	1	. Plate, Mid	9	191534W	55	. Nut
4	906328	1	. Plate, Front	10	SMT0002000	55	. Machine Screw
5	906338	1	. Plate, LH Cover				
6	906339	1	. Plate, RH Cover				

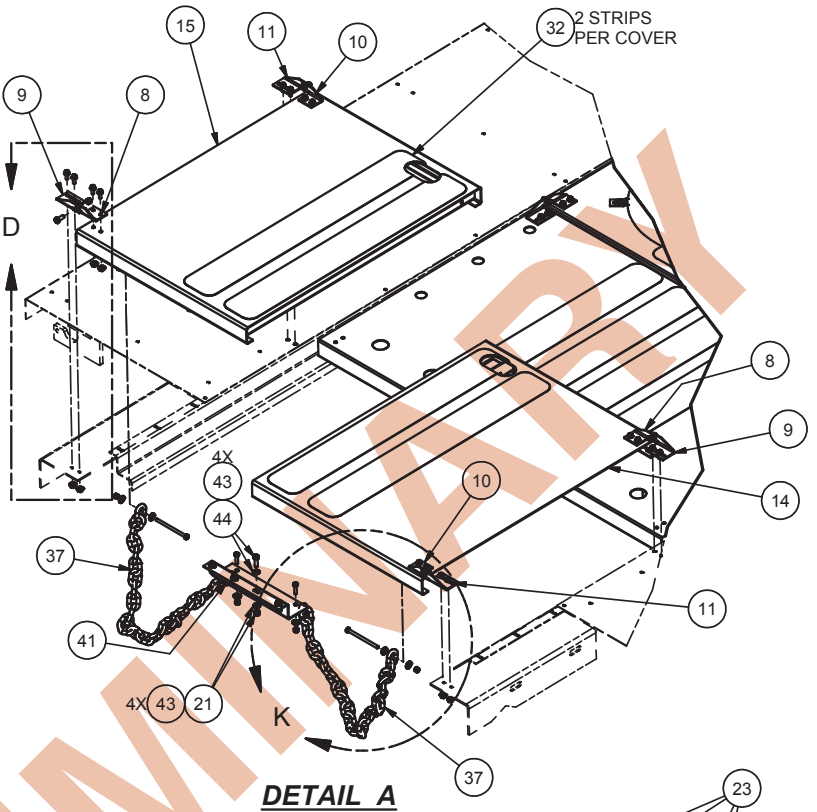
Rev A

Knotter Fan/Top Covers Installation

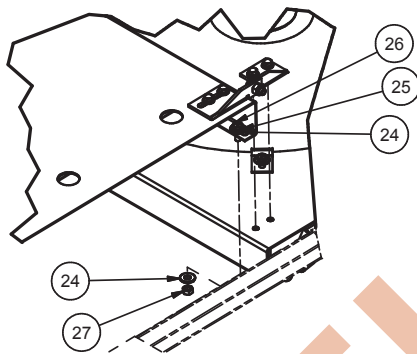
Page 1 of 4



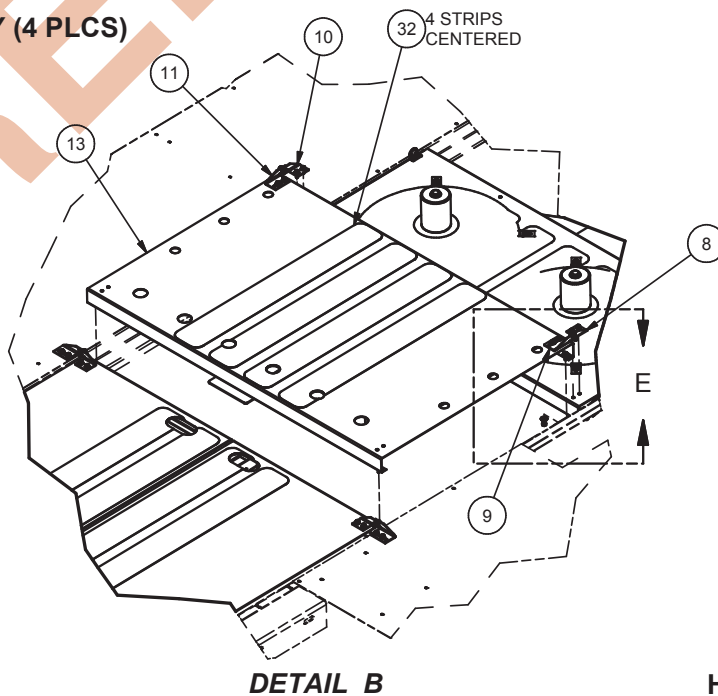
DETAIL K
CHAIN ATTACHMENT
ASSY (2 PLCS)



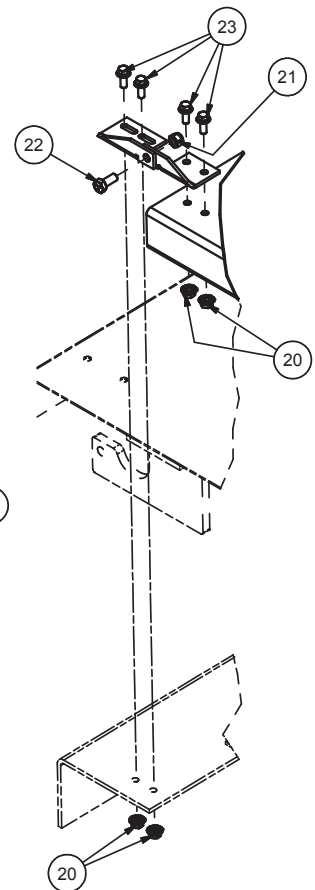
DETAIL A



DETAIL E
PLUNGER COVER ASSY (4 PLCS)



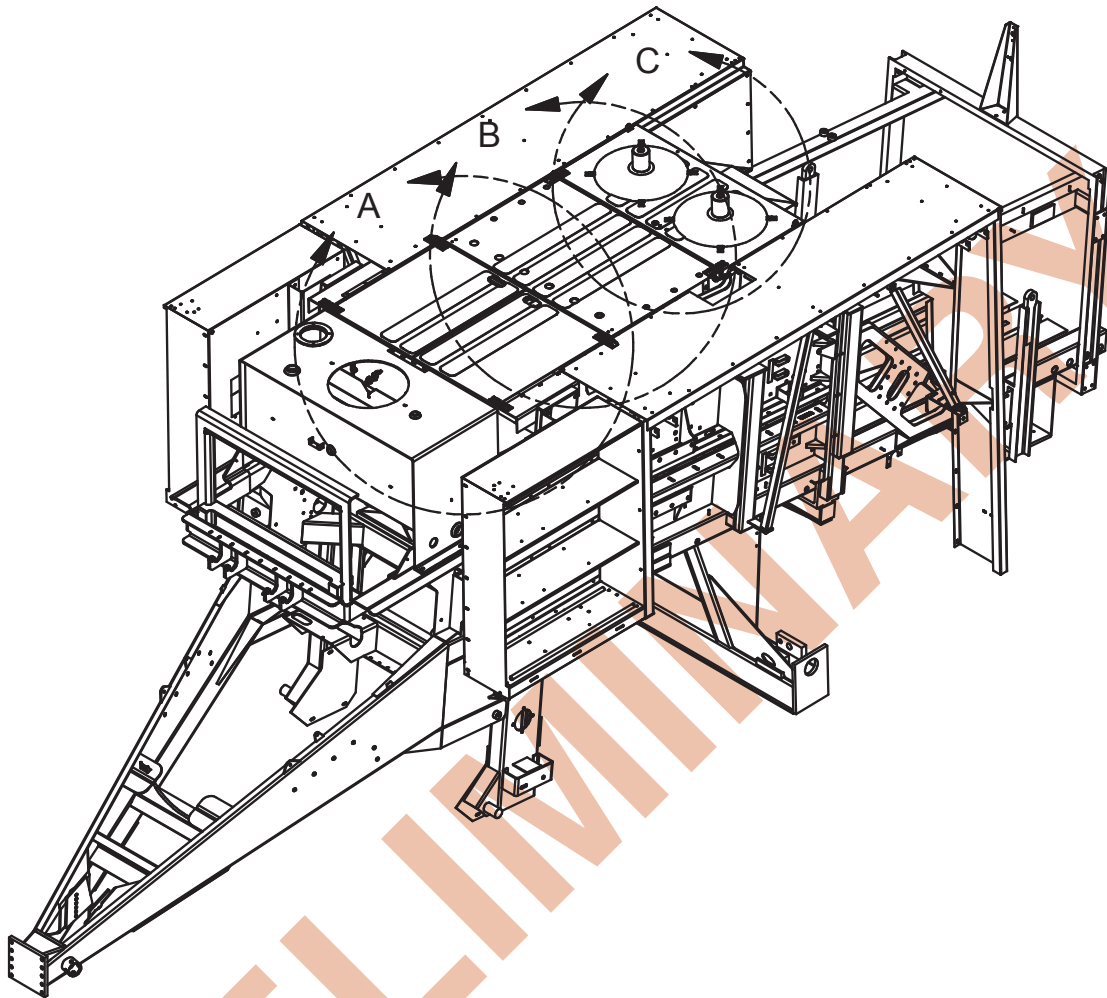
DETAIL B



DETAIL D
HINGE ASSY (6 PLCS)

Knotter Fan/Top Covers Installation

Page 2 of 4

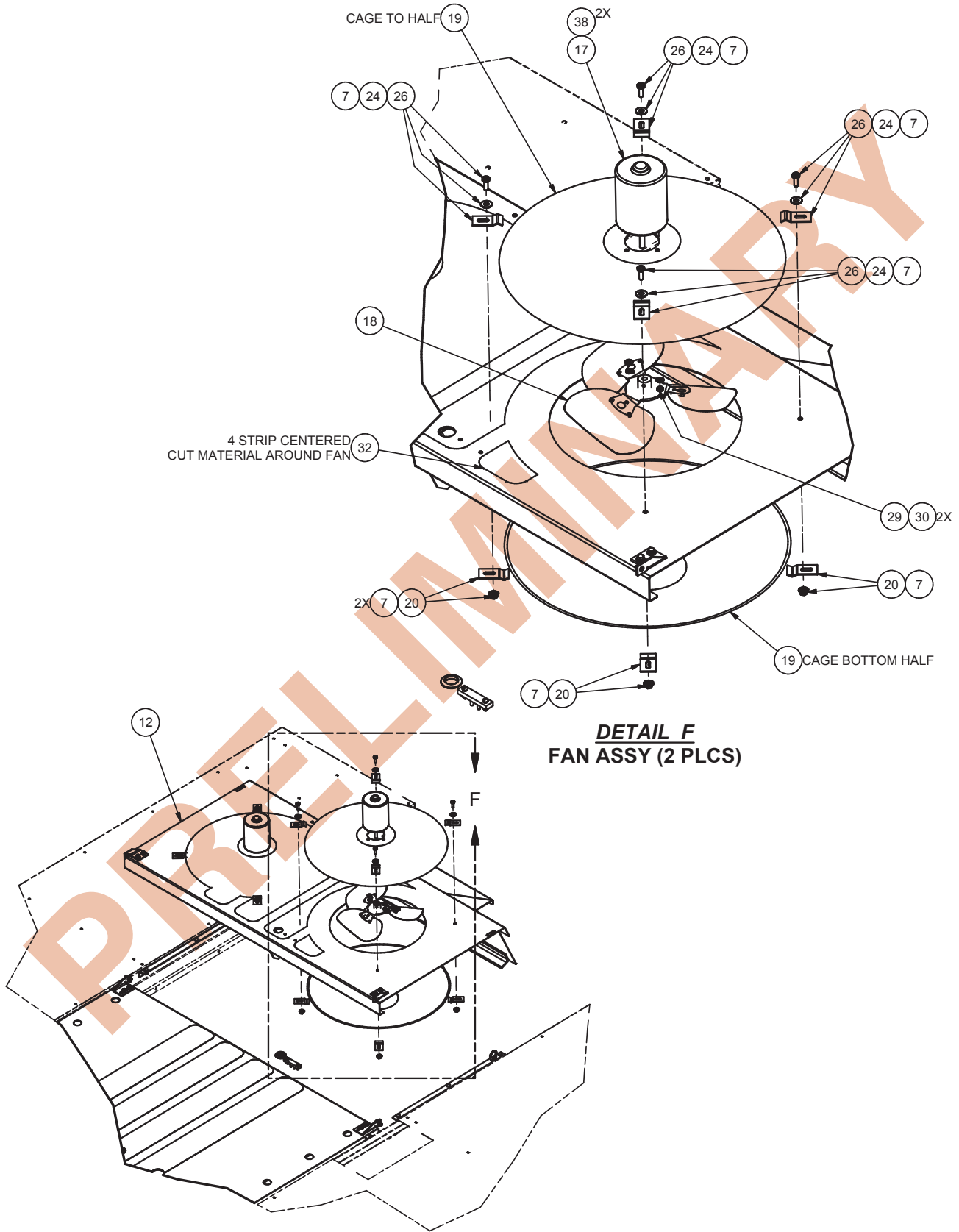


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
906022 Knotter Fan/Top Covers Inst.							
1	900014	1	. Plate, RH Support	26	18460W	12	. Capscrew
2	900015	1	. Plate, LH Support	27	Y01D-04	4	. Nut
3	SUP5061231	1	. Plate, RH Support	28	191534W	10	. Nut
4	SUP5061240	1	. Plate, LH Support	29	220044	6	. Hex Nut
5	906030	10	. Bumper, Rubber	30	00103338	4	. Flat Washer
6	FST0010401	2	. Fastener, Folding Handle	31	SMS0000184	8	. Bolt, Whiz
7	CLP0022526	16	. Fan Guard Clip	32	219382	25'	. Tape, Non-Skid
8	HNG1598501	3	. Plate, RH Cover	33	Y01C-0416	2	. Capscrew
9	HNG1598601	3	. Plate, RH Cover	34	SPG0000090	1	. Spring, Gas
10	HNG1598500	3	. Plate, LH Cover	35	SOK0000001	2	. Fitting
11	HNG1598600	3	. Plate, LH Cover	36	STD0000M10	2	. Stud, Ball
12	CVR037639E	1	. Shroud Weldment	37	CHN0506116	2	. Chain Link
13	CVR0023300	1	. Cover Weldment	38	CBT0000120	4	. Cable Tie
14	CVR037735D	1	. Cover Weldment, LH	39	CLP0000002	2	. Clip, Safety
15	CVR037736D	1	. Cover Weldment, RH	40	236392	2	. Capscrew
16	MNT037717A	1	. Plate, Mount	41	SUP0506028	1	. Plate, Support
17	MTR0022706	2	. Motor W/Leads	42	235620	4	. Nut
18	FAN0250937	2	. Fan	43	18515W	8	. Washer
19	GRD0004432	2	. Cage F/Knotter Blower-Complete	44	R13811014	4	. Capscrew
20	264150W	32	. Nut	45	252629	1	. Terminal Block
21	223588	12	. Nut	46	00100766	2	. Machine Screw
22	16836W	8	. Capscrew	47	R13806992	2	. Lockwasher
23	SMS0000300	24	. Bolt, Whiz	48	GRM0002285	1	. Grommet
24	R13811443	22	. Flat Washer				
25	223871	4	. Lockwasher				

Rev B

Knotter Fan/Top Covers Installation

Page 3 of 4

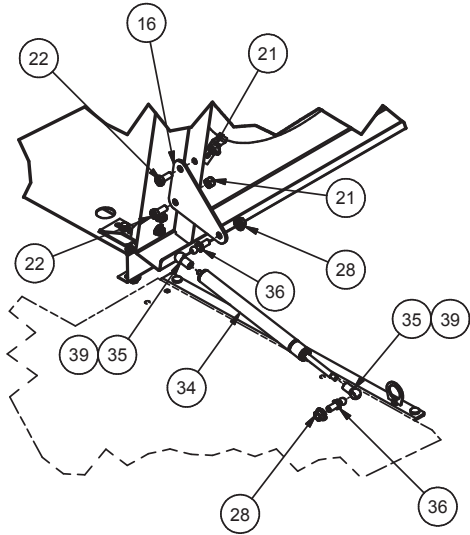


DETAIL F
FAN ASSY (2 PLCS)

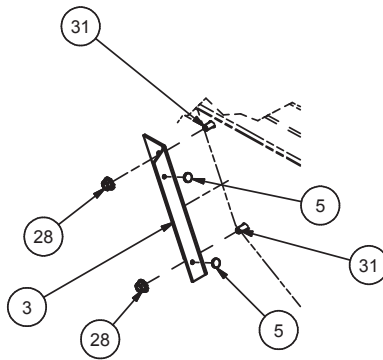
DETAIL C

Knotter Fan/Top Covers Installation

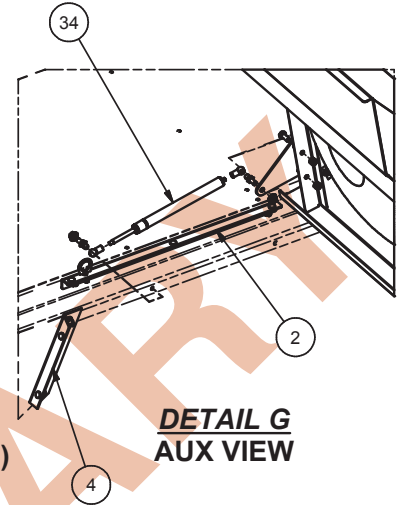
Page 4 of 4



DETAIL G



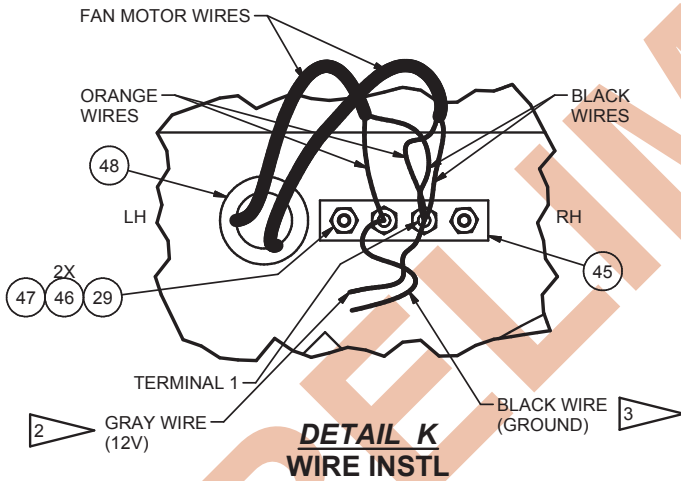
DETAIL H
COVER SUPPORT (2 PLACES)



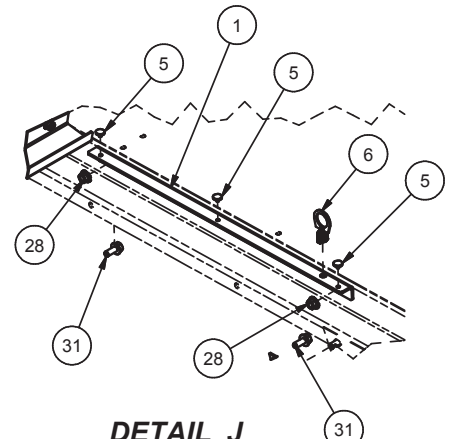
DETAIL G
AUX VIEW

NOTES:

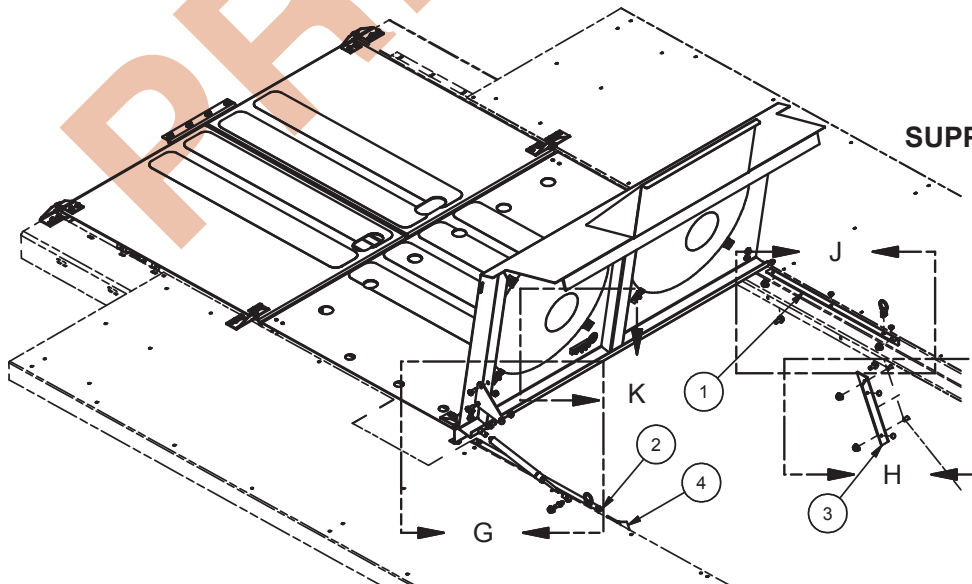
- 1 - ATTACH FAN MOTOR WIRES TO TERMINAL BLOCK.
- 2 - ATTACH WIRE FROM HARNESS 905896.
- 3 - ATTACH GROUND WIRE 906137 & ATTACH OPPOSITE TO GROUND ON FRAME. CONTACT ENGINEERING FOR APPROPRIATE GROUND LOCATION.



DETAIL K
WIRE INSTL

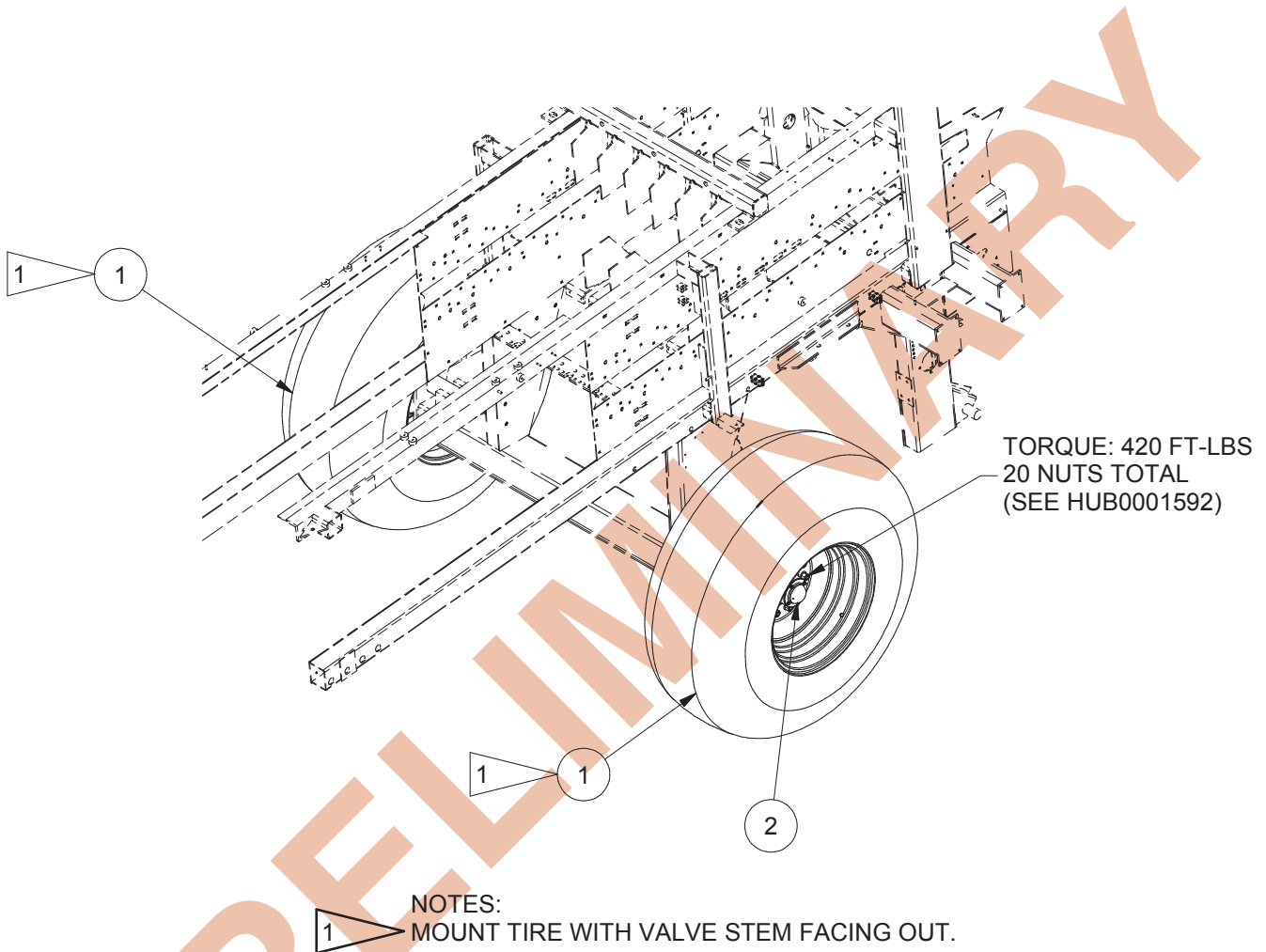


DETAIL J
SUPPORT ASSY (2 PLACES)



Tire/Wheel/Hub Installation

Page 1 of 1

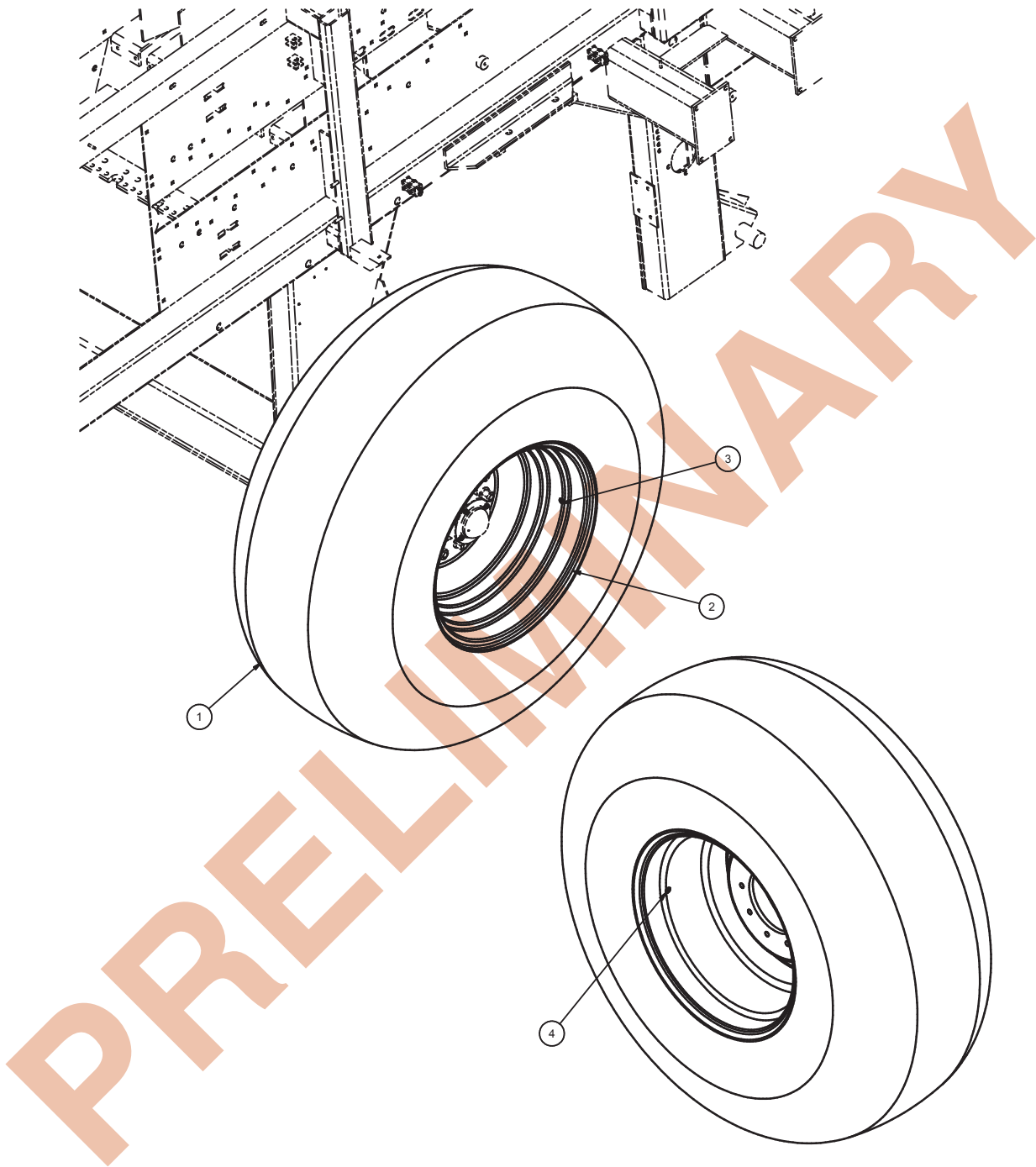


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905973		Tire/Wheel/Hub Installation				
1	* 905972	2	. Tire/Wheel Assembly, 16 Ply (Page 197)	*	See Separate Coverage		
2	* 900376	1	. Hub/Spindle Assembly (Page 198)				

Rev A

Tire/Wheel Assembly

Page 1 of 1

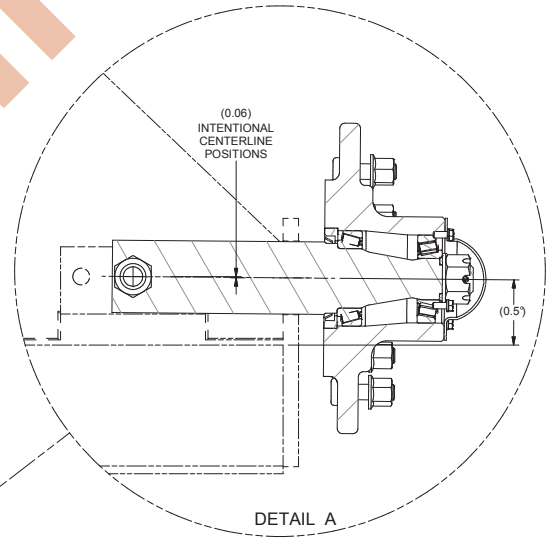
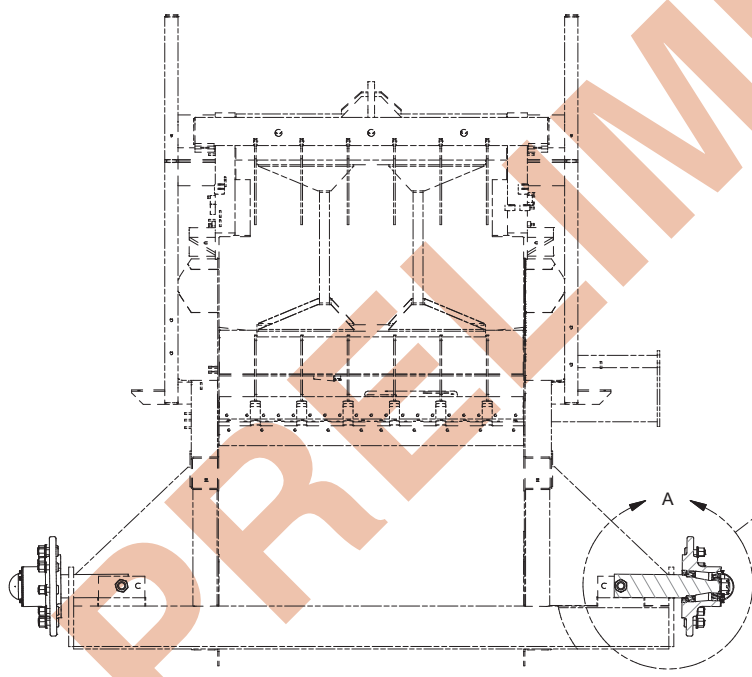
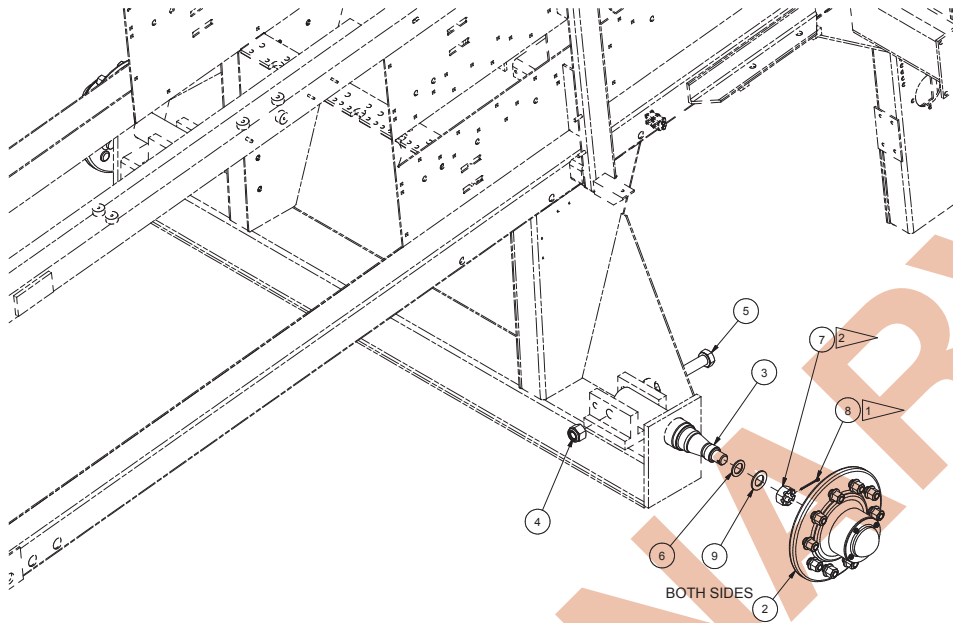


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	905972		Tire/Wheel Assembly, 16 Ply				
1	TIR2312616	1	. Tire	3	R941422	1	. Stem Assembly, Valve
2	WHL1029201	1	. Wheel - No Brakes	4	905544	1	. Plug, Rim Hole

Rev A

Hub/Spindle Assembly

Page 1 of 1



- NOTES:
- 1 TORQUE SLOTTED NUT TO ____ FT-LBS
 - 2 BEND COTTER PIN INTO SLOT OF SLOTTED NUT AFTER TIGHTENING SLOTTED NUT.

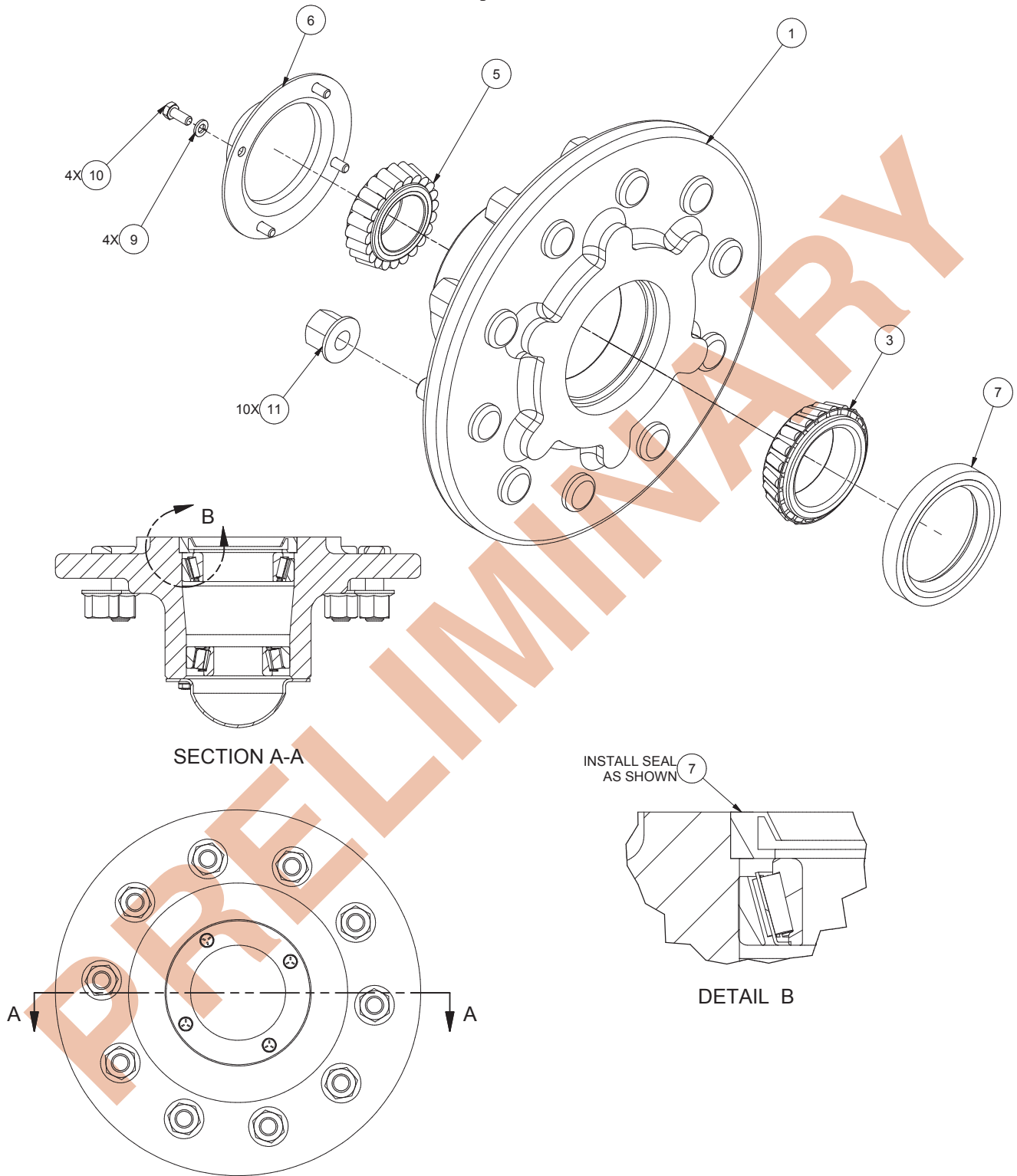
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	900376		Hub/Spindle Assembly				
2	* HUB0001592	2	. Hub Assembly (Page 199)	7	NSL0013750	2	. Slotted Nut
3	SPN0023108	2	. Spindle	8	COT0000807	2	. Cotter Pin
4	243243	2	. Nut, Esna	9	WCT0137500	2	. Flatwasher
5	SCC0001322	2	. Hex Head Cap Screw				
6	ZZ00000238	2	. Mach Bshg				

* See Separate Coverage

Rev A

Hub Assembly

Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
HUB0001592 Hub Assembly							
1	HUB2871660	1	. Hub Assembly, Wheel	9	R13812513	4	. Lockwasher
3	F000007033	1	. Bearing Cone	10	16836W	4	. Capscrew
5	BRG0000455	1	. Outer Bearing Cone	11	005-0596	10	. Nut, Wheel
6	HUB0909915	1	. Hubcap				
7	SEL0033772	1	. Grease Seal				

Rev A

Chamber Liner Kit

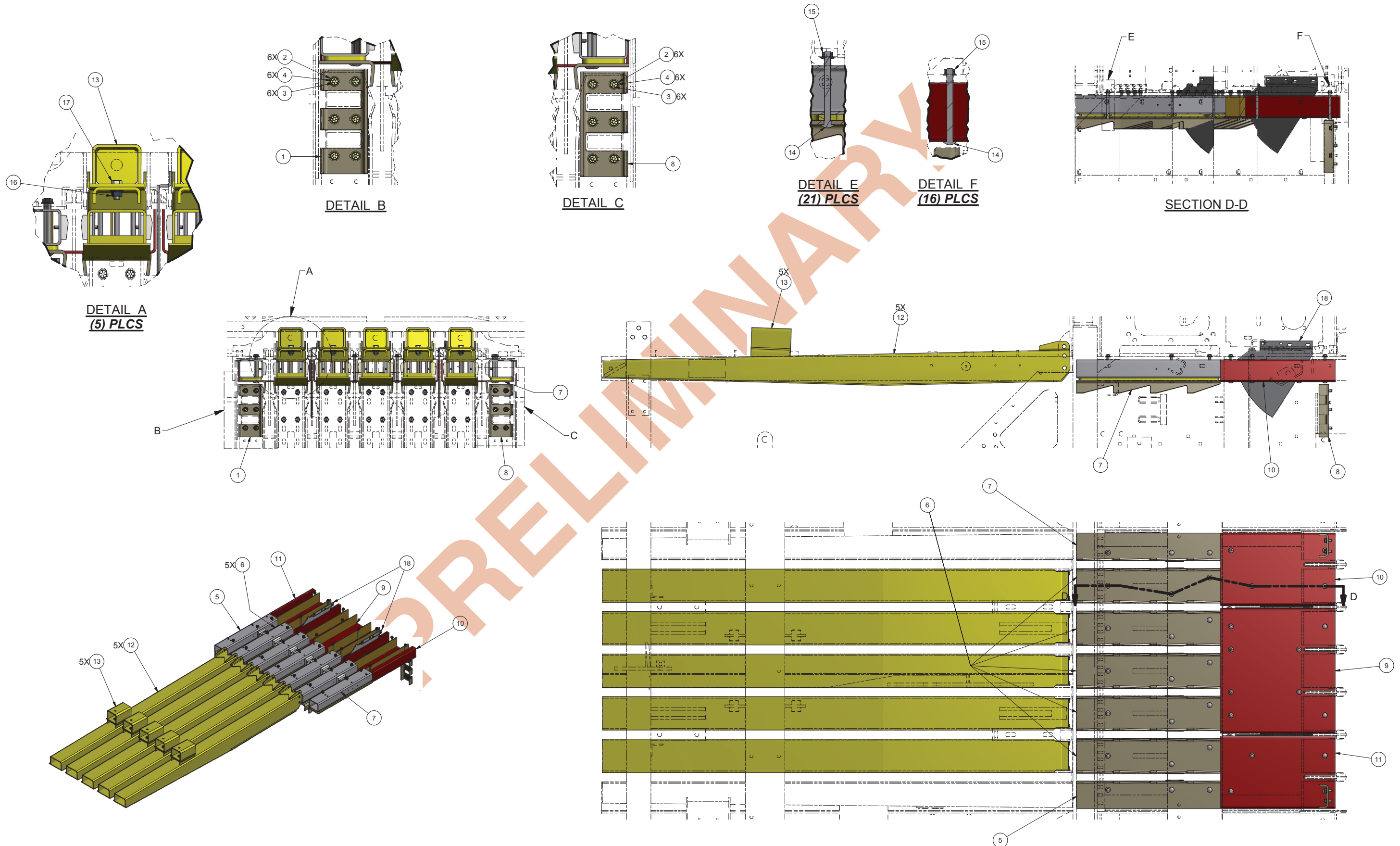
Page 1 of 2

PRELIMINARY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
FOP0906362			Kit, Chamber Liner				
1	906363	1	. Plate, Face LH	11	906396	1	. Liner, Fnt LH
2	221767W	12	. Washer	12	906402	5	. Rail, Top
3	Y17C-0616	12	. Capscrew	13	SPC035782B	5	. Spacer
4	R13812514	12	. Lockwasher	14	CRB3750450	37	. Bolt, Carr
5	* 906389	1	. Liner Assembly, LH (Page 203)	15	156133W	37	. Nut
6	* 906388	5	. Liner Assembly, Cntr Top (Page 204)	16	393939W	5	. Nut
7	* 906390	1	. Liner Assembly, RH (Page 205)	17	221563W	5	. Capscrew
8	906364	1	. Plate, Face RH	18	906411	2	. Plate, Paddle
9	906398	1	. Liner, Front				
10	906400	1	. Liner, Front RH				* See Separate Coverage

Chamber Liner Kit

Page 2 of 2



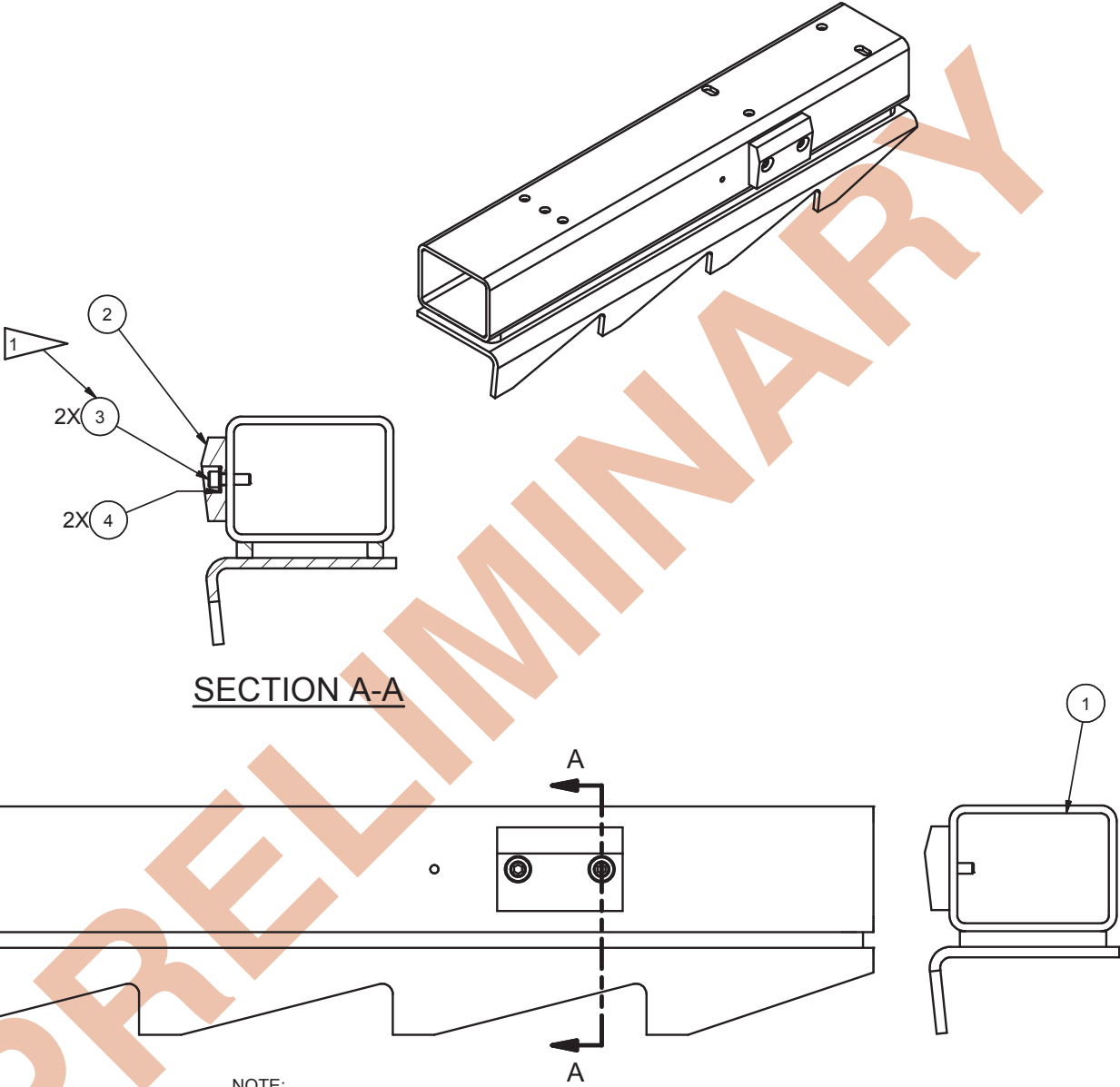
PRELIMINARY

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PRELIMINARY

Liner Assembly, LH

Page 1 of 1



SECTION A-A

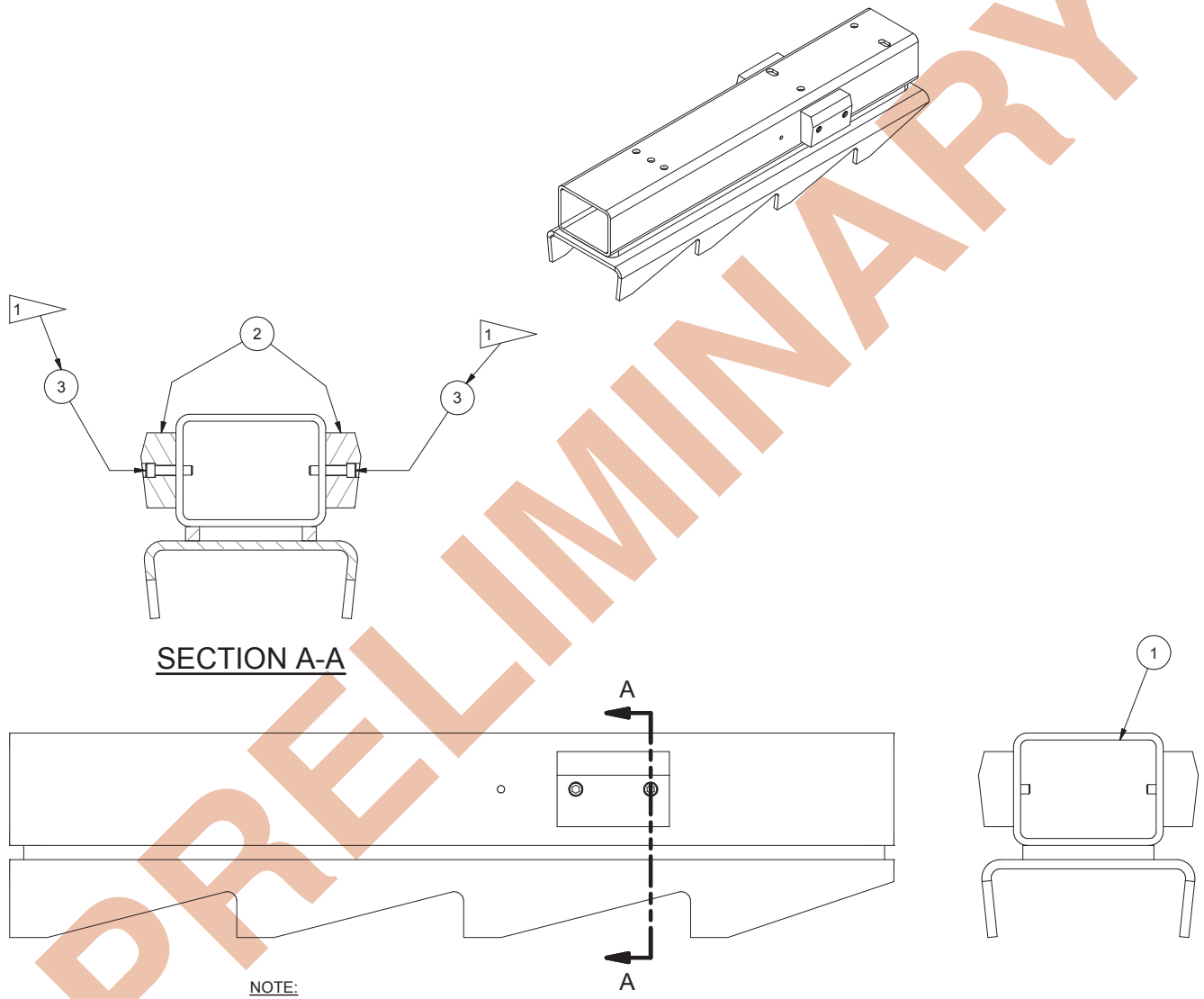
NOTE:

1 - ADD LOCTITE 242 TO THREADED END OF FASTENERS BEFORE ASSEMBLY.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	906389		Liner Assembly, LH				
1	906386	1	. Liner, LH	3	Y73G-0412	2	. Capscrew
2	903805	1	. Block, Guide, RH	4	WCT0000187	2	. Flat Washer

Liner Assembly, Center Top

Page 1 of 1



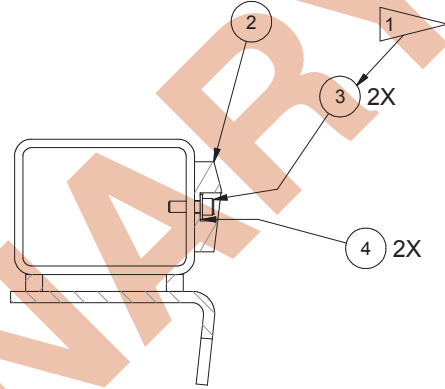
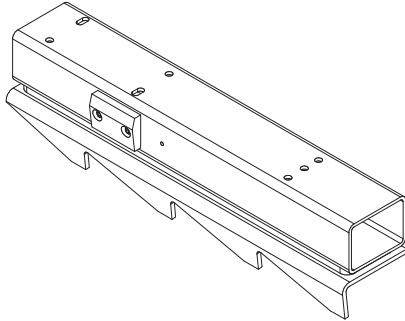
NOTE:

1 - ADD LOCTITE 242 TO THREADED END OF FASTENERS BEFORE ASSEMBLY.

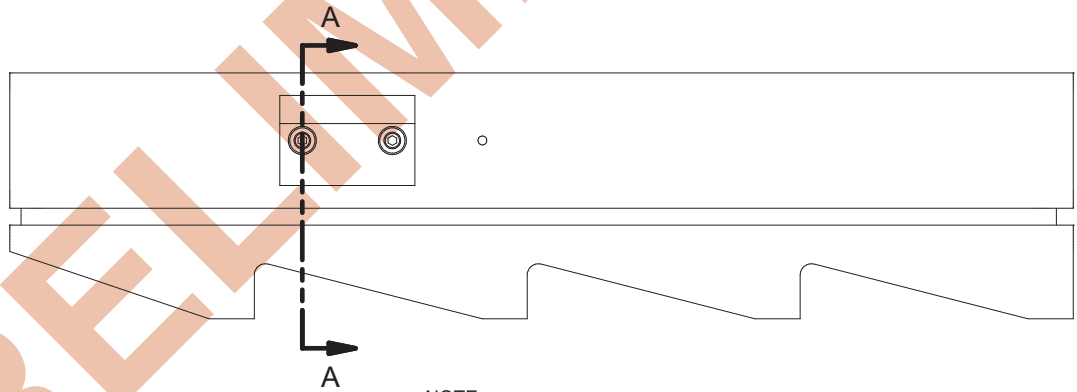
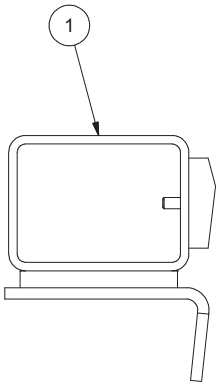
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	906388		Liner Assembly, Center Top				
1	906380	1	. Liner, Center	3	Y73G-0416	4	. Capscrew
2	903638	2	. Block, Guide				

Liner Assembly, RH

Page 1 of 1



SECTION A-A



NOTE:

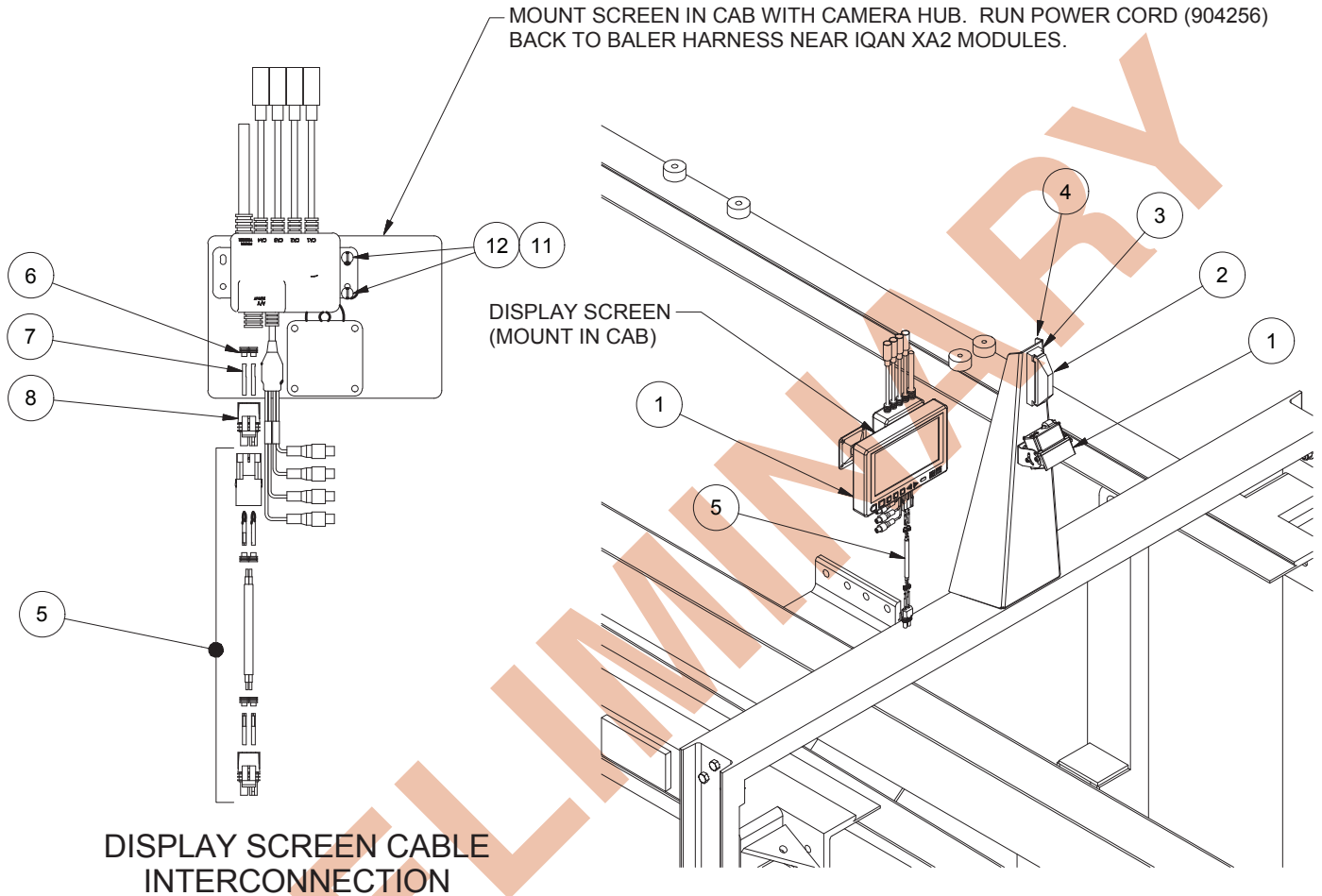
 - ADD LOCTITE 242 TO THREADED END OF FASTENERS BEFORE ASSEMBLY.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	906390		Liner Assembly, RH				
1	906387	1	. Liner, RH	3	Y73G-0412	2	. Capscrew
2	903805	1	. Block, Guide, RH	4	WCT0000187	2	. Flat Washer

Rev A

Camera Kit

Page 1 of 1



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
904230 Kit, Camera							
1	256611	1	. Camera/Monitor	8	R740886	1	. Connector, Wire
2	257498	1	. Light Assembly	9	237107	12'	. Wire
3	257499	1	. Base, Light	10	219390	12'	. Loom, Auto
4	904255	1	. Plate, Mounting	11	223099	2	. Lockwasher
5	904256	1	. Cord Assembly	12	SMR8325000	2	. Machine Screw
6	R740867	2	. Seal, Wire				
7	R740874	2	. Pin, Female				

Rev A

Parts Index

Part No.	Description	Page No.	Part No.	Description	Page No.
11079	Fitting, Lube	66, 77, 87, 92	223065	Circuit Breaker, 05A	159
11911	Fitting	118	223069	Circuit Breaker, 30A	159
12607	Fitting	135	223377	Circuit Breaker, 20A	159
12723	Seal	159	223929	Fitting	40, 123
12786	Fitting	118	224298	Fitting	40
14151	Fitting	118, 123, 126	224964	Fitting	123, 126
17951	Fitting	118	225104	Fitting	118
19166	Fitting	135	225112	Fitting	118
20294	Oxidation Inhibitor	159	225263	Socket	161, 187
23529	Fitting	118	225283	Fitting	118
23577	Fitting	118	227949	Fitting	123
23578	Fitting	118	228551	Fitting	118
24841	Connector, Cord	159	228773	Fitting	126
26842	Fitting	118	229289	Toggle Switch	156
28561	Fitting	118	229306	Circuit Breaker, 10A	159
64892	Bumper, Threaded Rubber	92	229345	Fitting	118, 126
104038	Rod End, Clevis	62	229383	Fitting	123, 126
127874	Nipple, Pipe	135	229543	Hose Assembly	127
191758	Fitting, Lube	20, 74, 75	231248	Clamp	127
204770	Ring, Snap	66	231316	Fitting	118
206322	Fitting	123	231657	Eyebolt	87
209083	Fitting	66	233936	Hose Assembly	127
209087	Fitting	92, 118, 135	234001	Hose Assembly	127
209090	Fitting	135	234655	Kit, Seal	30
209138	Fitting	118	235387	Fitting	118
209147	Fitting	123	237107	Wire	206
209164	Fitting	66	237271	Trim, Edge	139
209215	Fitting	92, 118, 126	237511	Seal Kit	118
209406	Fitting	118	240517	Seal Kit	135
209417	Fitting	118, 135	242277	Hose Assembly	127
209420	Fitting	135	242984	Insert	159
209451	Fitting	118	243161	Hose Assembly	127
209485	Fitting	126	245349	Fitting	135
209490	Fitting	126	246972	Hose Assembly	127
209499	Fitting	118	248791	Fitting	135
209501	Fitting	118	249784	Hose Assembly	127
209506	Fitting	118	250127	Hose Assembly	127
209511	Fitting	92	250406	Fitting	40
209533	Fitting	135	251487	Hose Assembly	127
209601	Fitting	135	252629	Terminal Block	135, 161, 193
209715	Fitting	123	252639	Cable, Can Bus	150
209754	Fitting	118	253271	Spiral Pin F/Knotter Gears	104
209755	Fitting	118	253391	Sprocket, Idler	55
209758	Fitting	135	253668	Hose Assembly	127
209759	Fitting	135	254784	Bearing, Sealed	81, 82, 92
209761	Fitting	118	254837	Module, Expansion	150
209763	Fitting	135	255242	Mount, Ram	156
209784	Fitting	135	255246	Base, Ram	156
209892	Fitting	135	255247	Base, Ram	156, 157
209916	Fitting	135	255469	Hose Assembly	127
209918	Fitting	135	256122	Latch, Draw	187
209959	Hose Assembly	127	256549	Follower, Cam	92
209997	Fitting	118	256611	Camera/Monitor	206
211550	Fitting	40, 118, 126	256838	Buzzer	156
211560	Fitting	118	256890	U-Bolt	55
211562	Fitting	118	256970	Valve, Prop Relief	118
212097	Fitting	40, 118, 123, 126	257255	Valve, Solenoid	118
212255	Pin Cotter	48	257443	U-Bolt	83
212435	Hose Assembly	127	257457	Bearing	117
212718	Fitting	118	257498	Light Assembly	206
212762	Fitting	123	257499	Base, Light	206
213917	Fitting	40	257549	Fitting	118
214479	Seal	109	257550	Fitting	118
215016	Fitting	118	257605	Needle Roller	104
215515	Fitting	118	257606	Short Bill Hook Pinion	104
219382	Tape, Non-Skid	193	257607	Needle Roller Shim	104
219390	Loom, Auto	206	257608	Needle Roller Shim	104
220596	Fitting	118	257609	Needle Roller Shim	104
221259	Mach Bushing	66	257688	Seal Kit	118
221280	Fitting	110, 118	257690	Seal Kit	118
221801	Relay, 12V	159	257711	Pump, Tension	40
222470	Insert	156	257786	Base, Magnet	157
223003	Fitting	118	257971	Double Knotter Assy W/Roller	92, 104
223063	Circuit Breaker, 03A	159	258005	Pump, Piston	40

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
258017	Receptacle	187	904213	Bracket, Mounting	85
258383	O-Ring	29	904214	Guide Assembly, Twine Roller	83, 84, 85
258388	Seal Kit	124, 126	904215	Roller Guide Installation, Needle Yoke	77, 83
258389	Seal Kit	124	904216	Roller Guide Installation, Frame	77, 84
258390	Seal Kit	124, 126	904217	Plate, Mounting	83
258391	Seal Kit	124	904221	Bushing	16
258392	Seal Kit	124	904230	Kit, Camera	206
258393	Seal Kit	124, 126	904249	Bushing	92
258828	Hose Assembly	40	904250	Mounting Assembly, Cntr Brg	92
259018	Belt, Drive	40	904255	Plate, Mounting	206
259078	Operator, Push Button	150	904256	Cord Assembly	206
259079	Contact Block	150	904281	Plate, Target	55
271283	Fitting, Lube	40	904282	Decal, Control Output Disable	15
584026	Transducer Assembly	118	904286	Plate, Mounting	150
702422	Key	73	904325	Plate, Mag Adapt	157
900014	Plate, RH Support	193	904327	Plate, Mounting	150
900015	Plate, LH Support	193	904334	Pad, Base	157
900179	Spring, Hay Dog	114	904338	Knotted Cam, RH	92
900185	Hinge Pin Weldment	181	904339	Roller, Latch	87, 92
900323	Rail Assembly, Safety	166, 167	904341	Monitor Mount Assy, Remote	150, 157
900324	Ladder Assembly	166, 169	904381	Drive Unit Assembly, Mech	40
900376	Hub/Spindle Assembly	196, 198	904389	Bushing	87, 92
900380	Arm, RH	66	904392	Plate, Latch Arm	87, 92
900381	Arm, LH	66	904393	Spacer	87, 92
900400	Scraper	55	904395	Plate, Cam	92
901555	Link	66	904398	Knotted Cam, LH	92
901560	Mounting, Feed Link	66	904399	Plate, Cam	92
901585	Plate, LH Guide	66	904478	Transducer, Pressure	118
901586	Plate, RH Guide	66	904503	Lug	87, 92
901621	Plate, Central Gusset	27	904505	Pint	87, 92
901622	Plate, Face	27	904509	Eyebolt	87, 92
901625	Plate, Side Gusset	27	904538	Wedge Block	20
901629	Plate, LH Knife	30	904539	Wedge Block	20
901633	Plate, RH Knife	30	904579	Double Knotted Installation, Bolt On	87
901659	Tube	55	904580	Double Knotted Assembly, Bolt On	87, 92
901729	Needle Assembly, Dbl Kntr	77, 82	904581	Double Knotted Mounting, Bolt On	92
901730	Needle, Dbl Kntr	82	904591	Plate, Slack Puller, Top, Dbl Kntr	92
901876	Tine Assembly, Feed Fork	66	904663	Bracket	92
901890	Switch Assembly, Proximity	150	904671	Drive Rod	92
901900	Face, Lower	27	904692	Needle Yoke, LH	77
902894	Plate, Mounting	156	904693	Needle Yoke, RH	77
902895	Plate, Base	156	904736	Seal Kit	29
903158	Sensor Assembly, Gear Tooth	150	904790	Lock Plate, Roller	87, 92
903407	Transducer	118	904791	Pin, Lock	87, 92
903457	Bracket	55, 92, 150	905073	Bushing, W/Key	92
903459	Bracket, Stop	150	905074	Plate, Mounting	92
903471	Wire Harness	156	905178	Motor, Feeder	48
903638	Block, Guide	204	905281	Plate, Shield	145
903658	Drive Shaft, Twine Finger	92	905318	Holder, Rod	62
903716	Plate, Finger	92	905320	Plate, Retain	62
903717	Arm, Twn Cam	92	905321	Windguard, Outside	62
903733	Arm, Tckr Cam	92	905322	Windguard, Intermediate	62
903749	Shaft, Knotted	92	905323	Windguard, Center	62
903751	Center Bearing Bar	92	905325	Shaft, Tucker Arm	92
903752	Plate, Adj Side	92	905332	Pickup Assembly	48, 55
903798	Plate, Mounting	111	905333	Frame, Pickup	55
903799	Plate, Cover	111	905360	Cylinder, With Enclosed Sensor	150
903805	Block, Guide, RH	2003, 205	905361	Heat Exchanger	135
903820	Sensor	111	905368	Plate, Top	30
903967	Plate, Mounting	81	905369	Plate, Shim	20
903968	Plate, Mounting	80	905370	Bar, Slide	20
904064	Bracket	81	905371	Liner, Center Bottom	30
904065	Plate, Puller	81	905377	Plate, Bottom LH	30
904067	Plate, Shim	80	905378	Plate, Bottom RH	30
904068	Bushing	81	905413	Plate, Top LH	30
904069	Twine Tensioner Assembly	80, 81	905416	Bracket	40
904077	Connector Assembly	150	905417	Plate, Bottom LH	30
904161	Bracket, Mounting	81	905418	Plate, Top	30
904192	Chain	55	905419	Plate, Bottom	30
904194	Chain	92	905420	Plate, Top RH	30
904196	Chain	66	905421	Plate, Bottom RH	30
904204	Switch, Pressure	118	905485	Plate, Chamber	92
904209	Feed Fork Installation	66	905486	Link	92
904212	Rod, Guide	85	905491	Plate, Paddle	92

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
905493	Plate, Cap	20	905750	Valve	124
905494	Plate, Side	20	905751	Valve	124
905500	Chute Installation, Infeed	36	905752	Valve	124
905501	Chute, Rear	36	905754	Valve	124
905507	Chute, LH	36	905755	Valve	124
905508	Chute, RH	36	905756	Valve	124
905511	Plate, Anchor	36	905757	Manifold Assembly	123, 124
905512	Plate, Liner	36	905758	Manifold Assembly	118, 123
905514	Chute, Front	36	905764	Decal, Knotter Fan	159
905521	Plate, Center	30	905766	Decal, Oil Cooler	159
905522	Plate, Top RH	30	905767	Decal, Main Power	159
905523	Plate, Top LH	30	905771	Plate, Top	139
905525	Mounting	20	905772	O-Ring	40
905543	Spacer	48	905773	Plate, Front	139
905544	Plug, Rim Hole	197	905775	Cover Assembly, MDU	187, 191
905546	Bearing	45	905782	Skid Resistant Strip	169
905547	Drive Shaft Assembly	40, 45	905783	Ladder Assembly, Service	169
905568	Bushing	62	905784	Tube, Spacer	169
905572	Mounting, LH	62	905786	Tank Weldment, Oil Cooler	135
905574	Junction Box Assembly	150, 159	905787	Plate, Breaker Panel	159
905584	Plate, RH Stripper	55	905791	Valve, Directional Control	118
905585	Plate, LH Stripper	55	905795	Twine Tensioner Installation	77, 80
905586	Plate, Center Stripper	55	905796	Needle Installation	77
905597	Mounting, RH	62	905797	Plunger, Cylinder Assembly	20, 29
905598	Pipe, Tooth Basr	55	905798	Plunger, Cylinder	29
905608	Plunger Installation	20	905807	Panel, Back	159
905609	Plunger Assembly	20, 27	905810	Bar, Bussbar	159
905610	Frame, Plunger	27	905811	Box, Junction	159
905633	Plate, Outer Knife	20	905814	Relay, Micro	159
905634	Plate, Shim	20	905827	Windguard, LH	62
905635	Plate, Shim	20	905828	Lever Arm, RH	62
905638	Shield, LH Lower	55	905832	Bar, Bussbar	159
905639	Shield, RH Lower	55	905835	Wear Block	62
905642	Mount Assy, Cylinder	20	905837	Component Weldment, Hook-Up	187
905647	Plate, Support	36	905838	Strip	135
905651	Guard, Pickup Drive	48	905839	Pad	135
905652	Bracket, Drive Guard	48	905840	Decal, Relay Block	159
905653	Bracket, Drive Guard	48	905841	Decal, Oil Cooler FWD/REV	159
905654	Windguard Assembly	48, 62	905844	Fitting	135
905655	Pad, Sliding	27	905846	Fuse Holder	159
905656	Plate, Shim	27	905847	Fuse, 125A	159
905657	Plate, Shim	27	905862	Manifold Installation	118
905658	Trough, LH	55	905863	Hose Installation	127
905660	Trough, RH	55	905871	Plate, Mounting	118
905662	Pickup Installation	48	905874	Manifold Assembly	118, 126
905663	Cover, Plunger Assy	20	905875	Wiring Harness	126
905666	Pad, Scraper	20	905877	Comp Beam, RH	16
905670	Plate, LH Fender	55	905879	Comp Beam, LH	16
905671	Plate, RH Fender	55	905882	List, Electrical	142
905674	Plate, LH Face	27	905883	Wire Harness Installation, ICM	142, 145
905675	Plate, RH Face	27	905884	Control System Installation, ICM	142, 150
905683	Assembly, LH Shield	55	905885	Lights Installation	142, 161
905685	Feeder Guard, Center	36	905886	Wire Harness	145, 165
905688	Guard, LH	36	905887	Meter Wheel Installation	111
905689	Guard, RH	36	905890	Lights Installation, Knot Ind	142, 165
905690	Plate, Infeed LH	36	905891	Control System Schematic	142
905691	Plate, Infeed RH	36	905896	Wire Harness	161
905695	Plate, LH Lower	55	905899	Chute Assembly, 6 Roller	115, 117
905700	Wire Harness, Junction Box	159	905900	Bale Chute Installation, 6 Roller	115
905705	Attachment, LH Guard	55	905901	Skid Resistant Strip	169, 171
905707	Block, Adjust	55	905904	Chute Weldment, 6 Roller	117
905712	Assembly, RH Shield	55	905911	Shields & Doors Installation	166, 171
905714	Plate, Lower RH	55	905912	Shield Installation, Lower Front	166, 175
905716	Wire Harness	145	905915	Shield Weldment, Lower LH Front	175
905718	Module, Relay	159	905917	Plate, Mounting	175
905721	Attachment, RH Guard	55	905918	Side Shields & Door Supps Inst	166, 177
905729	Oil Cooler Installation	133	905933	Chute	115
905730	Hydraulic Reservoir Assembly	133, 135	905935	Tension Rail Installation	16
905736	Cover Assembly, Oil Cooler	135, 139	905936	Chamber Liner Installation	30
905737	Frame Weldment, Oil Cooler	139	905937	Tube Weldment, Roller	117
905744	Shielding Group	166	905940	Bumper, Rubber	115
905745	Pipe	55	905941	Plate, Retainer	115
905746	Valve	124	905942	Winch	115
905749	Valve	124	905943	Strip, Skid	16

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
905947	Haydog Installation	114	906338	Plate, LH Cover	191
905949	Twine Box Installation, Front	166, 181	906339	Plate, RH Cover	191
905951	Ladder Assembly, Portable	171	906340	Decal & Signage Installation	15
905954	Main Door, LH	171	906343	Wire Assembly	142
905955	Main Door, RH	171	906344	Wire Harness	142
905956	Valve	126	906349	Plate, RH Brace	191
905957	Valve	126	906350	Plate, LH Hinge	191
905958	Valve	126	906363	Plate, Face LH	200
905963	Plate, Mounting	92	906364	Plate, Face RH	200
905969	Plate, Mounting	115	906365	Switch Assembly, Proximity	165
905972	Tire/Wheel Assembly, 16 Ply	196, 197	906380	Liner, Center	204
905973	Tire/Wheel/Hub Installation	196	906386	Liner, LH	203
905978	Tank, Luber	109	906387	Liner, RH	205
905979	Bracket	110	906388	Liner Assembly, Center Top	200, 204
905980	Pump Assembly	92, 110	906389	Liner Assembly, LH	200, 203
905982	Cover Plate	109	906390	Liner Assembly, RH	200, 205
905983	Plate, Gasket	109	906396	Liner, Fnt LH	200
905985	Tank Assembly	92, 109	906398	Liner, Front	200
905987	Plate, Top LH	171	906400	Liner, Front RH	200
905990	Mounting Bracket, Rear LH	177	906402	Rail, Top	200
905993	Mounting Bracket, Rear RH	177	906411	Plate, Paddle	200
905998	Plate, LH Rear Brace	177	906425	Chain, Tailchute	115
905999	Plate, LH Rear Brace	177	906476	Hose	111
906000	Shield Installation	166, 187	906477	Spacer	111
906001	Plate, RH Rear Brace	177	906487	Stop	81
906002	Plate, RH Rear Brace	177	906908	Element, Filter	135
906004	Plate, LH Center	177	2516921	Clevis Pin	115
906005	Plate, RH Center	177	2518974	Shim	62
906006	Plate, LH Front	177	005-0596	Nut, Wheel	199
906007	Plate, RH Front	177	03-204	Terminal	150
906008	Plate, Needle Yoke LH	171	06-126	Pin, Clevis	62
906009	Plate, Needle Yoke RH	171	085-0222	Circuit Breaker, 40A	159
906010	Plate, Mounting	177	16001W	Fitting - Lube, Threaded	20, 40
906011	Plate, Rear Shield LH	171	20-112	Motor Mount/Stop Pad	177
906015	Plate, Rear Shield RH	171	ACM0800087	Accumulator, Diaphragm	118
906018	Collar	92	ALT1002116	Alternator	40
906022	Knotter Fan/Top Covers Inst.	166, 193	ANC0023322	Plate, LH Front	175
906029	Chain Shackle	115	ANC0023403	Plate, RH Front	175
906030	Bumper, Rubber	193	ANC0023506	Plate, Anchor	55, 175
906031	Link	115	ANG0027394	Angle, Mounting	38
906044	Cover Assembly, LH	187	ARM0015684	Plate, Arm	48
906045	Cover Assembly, RH	187	ARM0022540	Feed Sensor Arm	92
906055	Plate, Shim	87	ARM0023120	Arm Weldment	73
906059	Plate, Bottom	187	ARM0023168	Arm Weldment, Feeder Crank	73
906061	Plate, LH Front Top	187	ARM0027984	Arm, P/U Lift	48
906062	Plate, RH Front Top	187	AUG0025183	LH Auger	55
906071	Spring, Gas	187	AUG0025184	RH Auger	55
906080	Plate, LH Shield	187	BAR0026169	Bar, Retain	48
906081	Plate, RH Shield	187	BAR0026170	Bar, Retain	48
906082	Hinge Weldment, Front	187	BAT0000038	Terminal	150
906086	Shaft, Meter Wheel	111	BKT0000001	Bracket F/Slow Moving Veh Sign	15
906090	Bearing, 2-Bolt Pillow Block	66	BKT0015687	Bracket	48
906091	Bearing, 4-Bolt Flange Block	66	BKT0015770	Bracket	40
906107	Wire, Ground	126	BKT0015916	Bracket	150
906111	Pivot, Chute	115	BKT0016005	Bracket	161
906117	Door Weldment, RH	171	BKT0016157	Bottom Ladder Storage Bracket	171
906119	Door Weldment, LH	171	BKT0016158	Bracket	171
906131	Bracket	150	BKT0020148	Bracket	48, 66
906133	Switch Assembly, Proximity	150	BKT0023414	Bracket	40
906137	Wire Assembly	161	BKT0023423	Bracket	40
906139	Plate, Sensor Pad	150	BKT0023510	Bracket	169
906146	Plate, RH Hinge	191	BKT0023511	Bracket	161
906147	Tension Rail Installation, Side	16	BKT0024175	Bracket Weldment	169
906150	Decal, Shutdown & Diagnostics	15	BKT0024954	Bracket	118
906151	Chain	55	BKT0025876	Bracket	40
906164	Tube	92	BKT0216260	Bracket, LH	40
906166	Tube	92	BKT0216261	Bracket, RH	40
906185	Bracket	150	BKT0235020	Bracket, LH	48
906208	Plate, Angle	92	BKT0235021	Bracket, RH	48
906209	Key	92	BKT1616200	LHP/U Lift Spring Bracket	48
906221	Plate, Shim	87	BKT1616201	RHP/U Lift Spring Bracket	48
906326	Plate, LH Brace	191	BLK0015661	Block	40
906327	Plate, Mid	191	BLT0000038	Alternator Cog Belt	40
906328	Plate, Front	191	BLT0000042	Cog Belt-Mechanical Drive Unit	40

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
BLT0026167	Belt, Deflector	48	CVR0232361	Plate, RH Cover	181
BOX0024949	Twine Box, LH	181	CVR037639E	Shroud Weldment	193
BOX0024950	Twine Box, RH	181	CVR037735D	Cover Weldment, LH	193
BOX0232370	Plate, LH	181	CVR037736D	Cover Weldment, RH	193
BOX0232371	Plate, RH	181	CYL0000205	Assembly, Cylinder	48
BOX0507654	Plate, LH	181	CYL0017120	Rod, End	29
BOX0507655	Plate, RH	181	CYL0017121	Rod, Base	29
BRC0023404	Plate, Brace	175	CYL0023690	Head, Cylinder	29
BRC0025406	Plate, Brace	169	CYL0023692	Base, Cylinder	29
BRC0025407	Plate, Brace	169	CYL0023700	Barrel	29
BRC0233921	Plate, RH Brace	177	CYL0024785	Cylinder, Makeup	20
BRG0000008	Bearing	66	CYL0080614	Gas Spring Cylinder	171
BRG0000018	Bearing, Double Knotter Shaft	92	CYL00TC408	Hydraulic Cylinder - Modified	16
BRG0000022	Bearing	38	CYL036796E	Assembly, Rod	29
BRG0000063	Flangette	55	CYL037553E	Cylinder Trunnion	29
BRG0000103	Insert, Bearing	55	CYL0TC3516	Hydraulic Cylinder - Modified	16
BRG0000455	Outer Bearing Cone	199	DOG0018520	Plate, Bottom	114
BRG0001101	Bearing	55	DOR0232300	Door Weldment, LH	181
BRG0001300	Bearing, Rod End	92	DOR0232301	Door Weldment, RH	181
BRG0001301	Bearing, Rod End	92	DPT0004000	Adapter, Baffle	135
BRG0002000	Bearing	71	DPT0018751	Plate, Adapter	40
BRG0002001	Bearing	71	DRV0383333	Decal, Danger Rotating Driveline	15
BRG0002029	Cam Follower Bearing	55, 92	DRV0388109	Hub 1-3/4" 6 Spline	47
BRG0017508	Bearing, Nylon Tooth Bar	55	DRV0389774	Front Shaft F/3Pc Driveline	38
BRG0067000	Bearing	55	DRV0389779	Secondary Shaft F/3Pc Driveline	38
BRG00CYR3S	Bearing, Cam Follower	20	DRW0014869	Key, Shear	20
BRG0106250	Bearing, Self Aligning	71	DRW0023770	Bar, Retain	29
BRG036008B	Bearing, Feed Fork Flat	66	F000000278	Spring, Tension	181
BRG0507910	Bearing Cup	74, 75	F000000658	14 Ga Knotter Worm Washer	104
BRG0507949	Bearing, Tapered Roller	74, 75	F000000856	Bushing	81, 92, 108, 181
BRG2187500	Heavy 2-Bolt Pillow Block Brg	40	F000000857	Ring, Snap	81, 92, 108, 181
BRG4164PP2	Bearing, Flange	81	F000000883	Idler Pulley F/Knot Chain Driv	92
BSH0001021	Bushing	55	F000000967	Plate, Shim	181
BSH0001026	Bushing	66	F000001007	Knob, Control	181
BSH0005625	Bushing	40	F000001441	Fitting	92, 135
BSH0006231	Bushing	55	F000001517	Spring, Trip	62, 81, 89, 92
BSH0015841	Bushing	181	F000001619	Insert, Bearing	92, 111
BSH0015842	Bushing	181	F000001790	Compression Spring, PTO Clutch	55
BSH0020000	P/U Feed Crank Drv Bushing 2"	48	F000001791	Pin, Clutch	55
BSH0021617	Bushing	40	F000001793	Disc, Friction	55
BSH0021875	Bushing	92	F000001797	Clutch Plate, Compression Spring	55
BSH0026875	Bushing, Drive Sprocket	66	F000001889	Flange, Bearing	92, 111
BSH0101502	Bushing	66	F000004104	Key	66
BSH0121875	Bushing, Split Taper	40	F000006328	Grommet	150
BSH0221875	Bushing	40	F000006639	Battery 12 Volt	150
BSH1252012	Bushing	55	F000007033	Bearing Cone	199
BSHSDS1250	Bushing	48	F000007154	Spring, Ext	87, 92
CAM0013897	Cam	66	F000007448	Saddle Lever Spring Eyebolt	92
CAM0017414	Cam, Pickup Reel	55	F000007860	Washer, Knife Arm	104
CHN0006086	Chain	48	F000007870	Double Knotter Cleaner	104
CHN0008064	Chain	48	F000007871	Twine Holder Disc Worm Pinion	104
CHN0506116	Chain Link	193	F000007904	Key	55
CLH0017767	Clutch, Pickup Drive	55	F000007947	Double Knotter Hook Cam Adjusting Spg	104
CLH0017773	Adapter	55	F000007948	Knot Hook Cam Adjusting Screw	104
CLH0017849	Plate, Disc	55	F000007976	Snap Ring F/Knife Arm Shaft	104
CLH0177009	Friction Disk	47	F000007977	Shim	77
CLH0377672	Heavy Duty Spring Pack	47	F000007988	Snap Ring	77
CLH0388110	Torque Limiter Clutch	40, 47	F000008011	Cup, Bearing	55
CLP0000002	Clip, Safety	193	F000008052	Twine Holder Spring	104
CLP0000130	Fastener, Hook Type	169	F000008095	Twine Finger Drive Shaft Brg-Cmplt	92
CLP0022216	Plate, Clamp Half	118	F000008105	Guide Pipe	85
CLP0022217	Plate, Clamp Half	118	F000008147	Bushing, Drive Rod	181
CLP0022526	Fan Guard Clip	193	F000008201	Sprocket	110
CLP7701163	Insulated Hose Clamp	167	F000008209	Male Elbow	109, 110
CLV0120045	Pin, Clevis	48	F000008221	Connector	110
CNK0000336	Connecting Link	115	F000008274	Roller, Knife Arm	104
CPL0018917	Hub, Front	40	F000008275	Snap Ring F/Knife Arm Shaft	104
CPL0021616	Hub, Rear	40	F000008280	1 mm Washer Worm Shaft & Knife Arm	104
CRA036495E	Plate, Crank	66	F000008288	Fitting, Lube	92
CVR0000001	Cover, Domed	135	F000008301	Clamp, Hose	111
CVR0016464	Cover Plate	181	F000008380	Bearing, Spherical Insert	55
CVR0023300	Cover Weldment	193	F000008383	Flangette, No Zerk	55
CVR0023598	Tool Box Cover Assembly	169	F00000967A	Plate, Shim	181
CVR0025413	Plate, Rear Closure	171	F00000967B	Plate, Shim	181

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
FAN0250937	Fan	193	HNG1598601	Plate,RH Cover	193
FD00007111	Decal, Freeman (25" X 4" White)	15	HOS0015761	Hose Assembly	127
FD00018808	Hydraulic Fluid Decal-1500	15	HOS0015762	Hose Assembly	127
FD00021937	Caution Decal 1000 Rpm -1500	15	HOS0015874	Hose Assembly	127
FD00022124	Decal, Patent Numbers-Hay Equip	15	HOS0016624	Hose Assembly	127
FD00023473	Decal, Caution....(9 1/4 X 10)	15	HOS0016658	Hose Assembly	127
FD00023534	"Keep Shields In Place..."	15	HOS0020760	Hose Assembly	127
FD00023571	Decal, "Danger! Serious Injury Can..."	15	HOS0020947	Hose Assembly	127
FD00023572	Decal, Caution- Keep Shields In Place	15	HOS0020948	Hose Assembly	127
FD00023576	Decal, "Danger!Look & Listen For..."	15	HOS0022137	Hose Assembly	127
FD00023581	Decal, Caution - Shut Off Motor	15	HOS0023438	Hose Assembly	127
FD00023583	Decal, Warning-Keep Hands Clear	15	HOS0023451	Hose Assembly	127
FD00023951	Decal, Lug Nut	15, 55	HOS0023460	Hose Assembly	127
FD00024865	LHFreeman 1592 Decal	15	HOS0023488	Hose Assembly	127
FD00024866	RHFreeman 1592 Decals	15	HOS0023494	Hose Assembly	127
FD00025126	Decal, Pickup Hazard Warning	15	HOS0024887	Hose Assembly	127
FD00025249	Decal, Hoist Baler-Lift Points	15	HOS0024889	Hose Assembly	127
FD00028042	Decal, Sprocket Orientation	15	HOS0024973	Hose Assembly	127
FD00029854	Decal, Feeder Crank Caution	15	HOS0024980	Hose Assembly	127
FD0037145B	"D" Decal-1592	15	HOS0025038	Hose Assembly	127
FD00505626	Decal, Tape Blk/Yellow 3"-1592	15	HOS0032166	Hose Assembly	127
FD70000170	Decal, Red Reflector-1592	15	HOS0032167	Hose Assembly	127
FD70000434	Decal, Manuf In Usa	15	HOS0035162	Hose Assembly	127
FD70000445	Decal, Lift Point	15	HOS036689A	Hose Assembly	127
FD70000722	Decal, Yellow Reflector Stickon	15	HOS036690A	Hose Assembly	127
FD7000A896	Decal, Warning - Moving Parts	15	HOS036692A	Hose Assembly	127
FD7000A897	Decal, Danger Baler Intake-1592	15	HOS036693A	Hose Assembly	127
FD7000A899	Decal, Warning- No Riders	15	HOS036700A	Hose Assembly	127
FD7000A920	Decal, Danger Falling Hazard	15	HOS037017A	Hose Assembly	127
FD7000A923	Decal, Warning - Fork Crank	15	HOS037357A	Hose Assembly	127
FD7000A925	Decal, Warning Use Ladder-1592	15	HOS037569A	Hose Assembly	127
FD7000A933	Decal, Warning - Moving - Crush	15	HRN0017874	Wire Harness, Front Light	161
FD7000A934	Decal, Warning Needle Frame	15	HRN0021076	Wiring Harness P/U Work Light	161
FD7000A936	Decal, Warning Knotters- 1592	15	HRN0023541	Wire Harness	161
FD7000A937	Decal, Warning Allow To Stop	15	HRN0023542	Stop/Tail Light Harness	161
FD7000A946	Decal, Towing Precaution, 1592	15	HRN0029820	Wiring Harness, Knotter	161
FD7000A952	Decal, Drawbar Hitch - 1592	15	HRN036152D	Wire Harness	161
FD7001A948	Decal, Fan Switch (1592)	15	HSG0026245	Plate, Housing	40
FIL0000003	Filter-Suction	135	HSN0017505	Housing, Bearing	55
FIL0001592	Filter	135	HSN0023116	Housing, Tine Brg	74, 75
FIL0009052	Element, Filter	110	HSN0027989	Housing, Bearing	55
FIL0010003	Cap, Filter	109	HSN0177008	Housing & Drive Plate	47
FIL1731101	Filter, Breather	135	HSN0388108	Clutch Housing	47
FLT0034591	Ring, Felt	74, 75	HUB0000348	Assembly, Hub	55
FLW0023253	Flywheel Assembly, Balanced	40	HUB0001592	Hub Assembly	198, 199
FOP0905803	Driveline Assembly	38	HUB0909915	Hubcap	199
FOP0906362	Kit, Chamber Liner	200	HUB2871660	Hub Assembly, Wheel	199
FRM0023252	Frame	40	HYD3249060	Fitting	118
FRM0035141	Frame, Upper	108	HYD3609030	Fitting	118
FRM0035143	Frame, Lower	108	HYD5525030	Fitting	118
FRM0232910	Support Weldment, RH	177	HYD7629040	O-Ring	135
FRM0232911	Support Weldment, LH	177	HYP000FA2P	Pin, Clevis	48
FST0010401	Fastener, Folding Handle	139, 171, 187, 193	HYP000TC4P	Pin, Clevis	16
FT00000113	Link, Connecting	92	KEY0331737	Key	47
FT00000114	Offset Link	92	KNF0022602	Plate, Center	20
FT00000165	Pump Drive Chain-370 Auto Luber	92	KNT0024098	Meter, Wheel	111
FT00006205	Screw, Adjust	62	KOB0000102	Knob	156
GAG0064051	Gauge, Sight Level	135	LAT0000201	Latch, Flex T-Handle	55, 135
GRD0004432	Cage F/Knotter Blower-Complete	193	LEV0023055	Tooth Bar Cam Lever	55
GRD0022486	Center Feed Chute Guard	36	LIN0016227	Beam, Support Wear Liner	16
GRL0023379	Grill Weldment	139	LIN036841D	Plate, RH Front Liner	30
GRM0002285	Grommet	193	LIT0020171	Work Light Assembly	161
GRM0127469	Grommet	161	LIT0029888	Work Light Assembly	161
HAN6210603	Lift-N-Latch Handle	171	LIT1410112	Kit, Light Directional	161
HNG0023458	Sheave Front Shield Hinge	139	LIT1410122	Kit, Light, Stop/Tail	161
HNG0023485	Hinge	169	LIT7072901	Light, Sealed Beam Halogen	161
HNG0232330	Hinge Pin Weldment	181	LIT7072902	Light Mounting Ring	161
HNG0233390	Hinge Weldment, LH	171	LNK0023133	Plate, Tine Link	71
HNG0233391	Hinge Weldment, RH	171	LNK0025281	Plate, Link	62
HNG0235070	Hinge Weldment, Lower	181	LNK0231330	Feeder, Tine Link Assy	71
HNG0235071	Hinge Weldment, Lower	181	LOK0017500	Std Thread Lock Collar-16L	73
HNG1598500	Plate,LH Cover	193	LTH1584700	Plate, LH Latch	181
HNG1598501	Plate, RH Cover	193	LTH1584701	Plate, RH Latch	181
HNG1598600	Plate,LH Cover	193	LUB0047200	Fitting, Straight Relief	74, 75

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
LUB037542A	Luber Line Assembly, #1	92	RAL0023318	Service Ladder Handrail Assy	169
LUB037543A	Knife Arm Luber Line	92	RAL0024152	Rail Weldment, Side	167
LUB037544A	Luber Line Assembly, #3	92	RAL0024153	Handrail Weldment, Rear	167
LUB037545A	Luber Line Assembly, #4	92	RET0023771	Plate, Retainer	181
LUB037546A	Luber Line Assembly, #5	92	RIV0000108	Rivet, Pop	55
LUB0833116	Manifold	92	RNG0023161	Bearing, Thrust Ring	74, 75
MNT0000001	Kit, Sign Mtg	15	RNG0149396	Retaining Ring	40
MNT0013456	Plate, Mounting	55	RNG0170012	Sealing Ring	47
MNT0018742	Mount	40	RNG0175048	Seal Ring	47
MNT0018946	Mounting, Motor	66	RNG0367718	Ring	47
MNT0020255	Channel	127	RNG0367720	Setting Ring	47
MNT0023278	Takeup	40	RNG0702100	Retaining Ring	47
MNT0023283	Mounting Weldment	177	ROD0000160	RHRod End	77
MNT0023288	Bracket	40	ROD0001600	LHRod End	77
MNT0023468	Mount	40	ROD0015498	Rod	40
MNT0023489	Brace Weldment, LH	177	ROD0015719	Rod	66
MNT0024096	Bar, Mounting	48, 118	ROD0017217	Rod	48
MNT0028883	Plate, Brg Mnt	38	ROD0025263	P/U Balance Spg Rod F/Extend	48
MNT0231010	Plate LH Mounting	181	ROD0025329	P/U Mnt Windgrd Spg Adjust Rod	62
MNT0231011	Plate, RH Mounting	181	ROD0035594	Dbl Kntr Needle Yoke Drive Rod	77
MNT0231020	Plate, LH Mounting	181	ROL0035138	Twine Tensioner Roller	108
MNT0231021	Plate, RH Mounting	181	RS00006002	Bill Hook Bushing	104
MNT0233030	Mounting Weldment, LH	177	RS00006003	Twine Disc Bushing	104
MNT0233031	Mounting Weldment, RH	177	RS00010500	.5 mm Washer, Worm Shaft & Knife Arm	104
MNT037717A	Plate, Mount	193	RS00602201	Knife Arm Bushing	104
MNT2541200	Plate, LH Mounting	171	RS03451926	Pin F/Twine Holder	104
MNT2541201	Plate, RH Mounting	171	RS05227344	Spiral Pin F/Knotter Gears	104
MNT5061131	Plate, RH Stay Mounting	181	RS20061311	Double Knotter Frame	104
MNT5064110	Plate, LH Mounting	181	RS20561321	Double Knotter Cam Gear	104
MTR0022706	Motor W/Leads	193	RS20621360	Double Knotter Knife Support Spacer	104
MTR1091102	Motor, Hydraulic	92	RS20632030	Double Knotter Jaw Cam	104
MTR1091104	Motor	118	RS20637724	Knife Arm Pin Only	104
MTR1121067	Motor, Hydraulic	66	RS20637801	Double Knotter Worm Shaft Assy.	104
NP00000100	Plate, Model/Serial #	15	RS20637841	Double Knotter Twine Holder	104
NSL0013750	Slotted Nut	198	RS20644360	Double Knotter Twine Knife	104
PCY0013464	Finger, Pickup	55	RS20661060	Double Knotter Circlip	104
PCY0017501	Plate, Center & LH Reel	55	RS20661070	Double Knotter Washer	104
PCY0023053	Plate, RH Pickup Reel	55	RS20661080	Double Knotter Washer	104
PIN0015507	Plate, Pivot Pin	48	RS20661090	Double Knotter Adjust Washer	104
PIN0021155	Pin Assembly	171	RS20661120	Washer, Lock; For Knife Arm Pin	104
PIN0023475	Pin, Hinge	171	RS20661130	Key, Dbl Knotter	92
PIN0375125	Pin, Snapper	48, 92	RS20661231	Double Knotter Knife Arm	104
PLT0035716	Plate, Receptacle	159	RS20661260	Double Knotter Worm Gear Pinion	104
PLT0367725	Drive Plate	47	RS20661280	Double Knotter Bill Hook Assy.	104
PLT0367726	Drive Plate	47	RS26531311	Double Knottertwine Disc Assy.	104
PLU0506009	Plug	181	RS30501651	Double Knotter Twine Knife Bolt	104
PMP0000003	Pump	110	RS33110851	Double Knotter Nut	104
PMP3301972	Pump, Dual	40	SCR3001592	Suction Screen	135
PPE0000750	Nipple	135	SEL0000KT4	Seal Kit	16
PPE1250300	Nipple	92	SEL0001505	Seal Kit	48
PPE2001500	Bushing	135	SEL0024785	Kit, Seal	20
R12121	Hose Assembly	127	SEL0033772	Grease Seal	199
R1300690	Ring, Snap	40	SEL0061234	Seal Kit	48, 118
R13801972	Fitting	118	SEL0061236	Seal Kit	48, 118
R13803020	Clip, Insulated	161	SEL0061237	Seal Kit	66
R13803021	Clip, Insulated	145	SEL0149223	Grease Seal	40
R13803026	Clip, Insulated	145	SELOTC3516	Seal Kit	16
R13803034	Clip, Insulated	145	SGN0024006	Sign, Slow Moving Vehicle	15
R13807532	Fitting	118	SHD0023287	Plate, RH Top	171
R13808094	Clip, Insulated	145	SHD0023399	Shield Weldment, Lower RH	175
R13809555	Jam Nut	92	SHD0023440	Plate, Bottom	40
R14398	Fitting	187	SHD0026246	Shield Weldment	40
R1939324	Bumper	92	SHD0096569	Plate, Stay	181
R1992651	Screw, Bleeder	118	SHD0237730	LH Rear Dust Shield Assembly	187
R740867	Seal, Wire	206	SHD0237731	RH Rear Dust Shield Assembly	187
R740874	Pin, Female	206	SHF0023127	Shaft Assembly	71, 73
R740886	Connector, Wire	206	SHF0023128	Crank Shaft	74
R830008	Fitting	118	SHF0023129	Shaft	75
R941422	Stem Assembly, Valve	197	SHF0023130	Shaft, Feeder Crank	73

Parts Index Cont.

Part No.	Description	Page No.	Part No.	Description	Page No.
SHF0023131	Shaft, Feeder Crank	73	SQS5003000	Set Screw	62, 87
SHF0023203	Shaft Assy, Feeder Crank	73	SQS5004000	Square Hd Set Screw	40
SHF0023203	Shaft Assembly, Feeder Crank	74	STD0000M10	Stud, Ball	193
SHF0023204	Shaft Assembly W/ Taper, Feeder Crank	73, 75	STP0002000	Step Cover-Safety Walk 2" Wide	15
SHF0023255	Shaft, Drive	45	STS3750375	Socket Set Screw	40
SHF0025191	Shaft	55	STS4375075	Setscrew	40
SHF0025234	Shaft, Pickup Drive	55	SUP0021636	Bar, Support	40
SHF0035370	Shaft, LH	66	SUP0023344	Plate, Support	169
SHF0035371	Shaft, RH	66	SUP0023357	Support Weldment	177
SHF0035372	Shaft	66	SUP0023479	Support Weldment	177
SHF036448B	Shaft	81	SUP0234500	Plate, LH Support	177
SHF036496D	Shaft, Drive	66	SUP0234501	Plate, RH Support	177
SHM0015708	Shim	40	SUP0252950	Plate, LH Support	177
SHM0015709	Shim	40	SUP0252951	Plate, RH Support	177
SHM0015710	Shim	40	SUP0506028	Plate, Support	193
SHM0023544	Plate, Shim	177	SUP1763500	Plate, LH Support	55
SHM0023545	Shim	177	SUP1763501	Plate, RH Support	55
SHM0226040	Shim	20	SUP5061231	Plate, RH Support	193
SHM0226041	Shim	20	SUP5061240	Plate, LH Support	193
SHM036712A	Shim	92	SUP5061370	Plate, LH Front	177
SHV0000079	Sheave	40	SUP5061381	Plate, RH Front	177
SHV0000080	Sheave, Gripbelt	40	SWI0000824	Switch, Oil Level	135
SHV0000250	Sheave, Gripbelt	40	TBE0023717	Tube Assembly	127
SLV0018935	Sleeve	66	TBE0023718	Tube Assembly	127
SLV0149918	Sleeve F/Cplate	40	TC0000035P	Pin, Clevis	16
SMS5001500	Shoulder Bolt	108	TEB0472105	Terminal Block	161
SOK0000001	Fitting	193	THM001592D	Thermostat	135
SOK0000014	Receptacle	159	THM0714326	Thermostat	135
SPB0010555	Brake Actuating Cylinder Spring	92	TIN0231340	Plate, LH Tine	71
SPC0016465	Bar, Spacer	181	TIN0231341	Plate, RH Tine	71
SPC0016659	Pipe	48	TIR2312616	Tire	197
SPC0023696	Spacer	29	TNS0022468	Top Tens Rail Compression Beam	16
SPC0024097	Bar, Mounting	48	TNS0028067	Rail, Top	16
SPC0025340	Spacer	62	TNS0035148	Tensioner Assembly	80, 92, 108
SPC0028022	Spacer	40	TUB0000650	Tube	109
SPC0034397	Spacer, Seal	74, 75	UBL1375225	U-Bolt	81
SPC0035139	Tube	108	VLV0000034	Relief Valve	118
SPC035782B	Spacer	200	VLV0000035	Subplate	118
SPC036406A	Spacer	77	VLV0000416	Restrictor Valve	126
SPC036451A	Spacer	92	VLV0000453	Check Valve	118
SPC036711A	Spacer	92	VLV0006001	Ball Valve	135
SPG0000090	Spring, Gas	193	VLV0017304	Feeder Valve Manifold	126
SPG0010555	Spring, Brake Actuating Cylinder	62	VLV0028071	Plunger Cylinder Valve	124
SPG0017462	Spring, Pickup Lift	48	VLV0075005	Check Valve	135
SPG0023160	Side Hay Dog Spring	92	VLV1312YCF	Valve	118
SPG0025309	Spring, Windguard Overtravel	62	VM00504840	Feed/Crank Installation	71
SPG0332185	Leaf Spring	47	WAS0015783	Bushing, Mach	55
SPG0750350	Compression Spring	108	WCT0137500	Flatwasher	198
SPK0000536	Sprocket, Pickup	55	WHL0401530	Assembly, Wheel & Tire	55
SPK0000554	Sprocket, Pickup	55	WHL1029201	Wheel - No Brakes	197
SPK0000523	Sprocket, Pickup Auger	55	Y01F-0420	Pin, Cotter	48
SPK0000535	Sprocket, Pickup Auger	55	Y01F-0432	Pin, Cotter	55
SPK0000541	Sprocket, Pickup -Taper Lock	55	Y088307.5	Bearing, Self Aligning	20, 66
SPK0017769	Assembly, Sprocket	55	Y435242.62	Ring, Retaining	66
SPK0028041	Sprocket	66	YOK036353E	Needle Yoke Assembly	77
SPK0035580	Sprocket	92	ZZ00000105	Hex Zerk	40
SPK0041B40	Sprocket	92	ZZ00000203	Mach Bushing	73
SPK0080190	Sprocket	48	ZZ00000210	Mach Bushing	157
SPK0080210	Sprocket, Feed Fork Drive	66	ZZ00000228	Bushing, Mach	55
SPK0080360	Sprocket, Pickup & Feed Crank	48	ZZ00000238	Mach Bshg	198
SPK011536S	Sprocket, Idler Chain 15T	48	ZZ00000404	Key	111
SPK0602202	Sprocket, Pickup Drive	48	ZZ00000406	Key	55
SPK128012S	Sprocket, Roller Chain Idler - 12T	48, 66	ZZ00000432	Key	48
SPK60SDS21	Motor Drive Sprocket W/ Bushing	92	ZZ00000438	Key	55
SPN0017647	Spindle, Wheel	55	ZZ00000451	Key	40, 73
SPN0023108	Spindle	198	ZZ00000456	Key	66
SQS3751250	Set Screw	66	ZZ00000458	Key	48
SQS4375875	Set Screw	55	ZZ00000705	Pin, Roll	48
SQS5002500	Set Screw	66	ZZ00000715	Roll Pin	55, 81

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