



OXBO International Corporation
Byron Equipment Co. Pixall LLC

CP400 Corn Puller



Parts & Operator's Manual

Includes operating, adjustment, lubrication, maintenance, repair parts and safety instructions for the OXBO CP400 Sweet Corn Harvester with serial numbers CP4-918150 & higher and 255740-400164 & higher.

LIMITED WARRANTY

OXBO International Corporation warrants its new machines to be free from defects in material and workmanship, under normal use and service, for a period of one (1) year from the date of delivery to the original purchaser, or five hundred (500) hours of operation whichever occurs first.

Upon satisfactory claim, we will, within a reasonable time, at our option replace or repair defective parts free of charge. Charges for transportation, customs duties or taxes where applicable, installation, correcting defects or making additions will not be allowed, nor will we accept products returned for credit unless the return or correction is authorized by us in writing.

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CP400 CORN PULLER

Parts & Operator's Manual

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All information in this manual is based upon the latest product information available at the time of publication and is subject to change without notice. Each manual is reviewed periodically and revised to include changes in later editions.

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CP400 & CP400L Corn Puller



INTRODUCTION

OXBO CP400 & CP400L Corn Puller Sweet Corn Harvester delivers fresh market sweet corn with hand-picked quality. The harvester uses a gentle pulling action to pick the ears of corn from the stalk. The sweet corn is left with a long shank and no damage, the outer flag leaves are intact right down to the end of the shank.

The CP400 & CP400L Corn Puller is the most efficient, high capacity, mechanical sweet corn harvester made. The CP400 can be installed on an OXBO Big Jack chassis. The CP400L can be installed on either the OXBO Super Jack or the OXBO EL30 chassis.

Use of the machine for any other purpose is considered to be not in accordance with specifications and is undertaken as such at the owner's risk. The manufacturer is not liable for any damages resulting from such misuse.

The operation, routine maintenance and repair of this machine must follow the prescribed application stipulations outlined by the manufacturer and must be adhered to at all times. The machine may only be operated, serviced and repaired by personnel who have been thoroughly instructed of the inherent dangers present in farm machinery.

All relevant accident prevention regulations as well as all generally recognized safety and highway regulations must be complied with.

This manual is intended to familiarize those involved with the installation, operation, maintenance and repair of the OXBO CP400 & CP400L Corn Puller. We recommend that the machine operator become familiar with this manual and any other manual pertaining to the tractor being used so as to optimize the productivity of the equipment and safety of the user.

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Operational Safety

AUTHORIZED OPERATORS

The owner of the machine must provide the operator with these operating instructions and make sure he has read and understands them. Only then may the machine be put into operation.

SAFETY ALERT SYMBOL



This is the safety alert symbol. Whenever you see this symbol in this manual or on the machine, be alert to the potential of personal injury.

Follow recommended precautions and safe operating practices.

Carefully read all safety messages in this manual and in the safety warning signs on the machine.

The assignment of various tasks on the machine must be clearly determined and complied with. There must be no uncertainties regarding authority, as this could endanger the safety of the operator.

The owner must ensure that only authorized persons operate or work on the machine. The owner is responsible for the safety of any third persons within the working area of the machine.

GENERAL SAFETY/ACCIDENT PREVENTION

Most accidents, whether they occur in industry, on the farm, at home, or on the highway, are caused by the failure of some individual to follow simple and fundamental safety rules. For this reason, most accidents can be prevented by recognizing the real cause and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of any type of equipment, there are many conditions that cannot be completely safeguarded against without interfering with reasonable accessibility and efficient operation.

Observe all safety and accident prevention in addition to the following instructions:

- Read this manual thoroughly to learn how to operate the machine and how to use controls properly. Do not allow anyone to operate this machine without instruction.
- The various warning and safety and alert signs on the machine provide important advice to ensure the safe operation of the machine. Observe these instructions at all times for the sake of your own safety.
- Before beginning operation, make yourself familiar with all elements and controls of the machine as well as their function.
- Always keep all guards and shields in place and correctly mounted.
- Avoid loose fitting clothing. The operator should wear close-fitting clothing and sturdy footwear.
- When traveling on public roads observe all traffic regulations in your area, especially the permissible transport dimensions.
- Make sure the SMV emblem is in place and visible from the rear when traveling at slow speeds on public roads. Inspect all equipment required for transportation such as lighting, warning and protective devices.
- Always drive at speeds which allow complete control under existing field or road conditions.
- Never allow anyone to ride on the machine during transport.
- Before beginning field operation, inspect the area around you. Make sure that no one (especially children) is in the danger area. Good visibility of the area around the machine is essential.
- Keep clear of the working and danger areas around the machine.

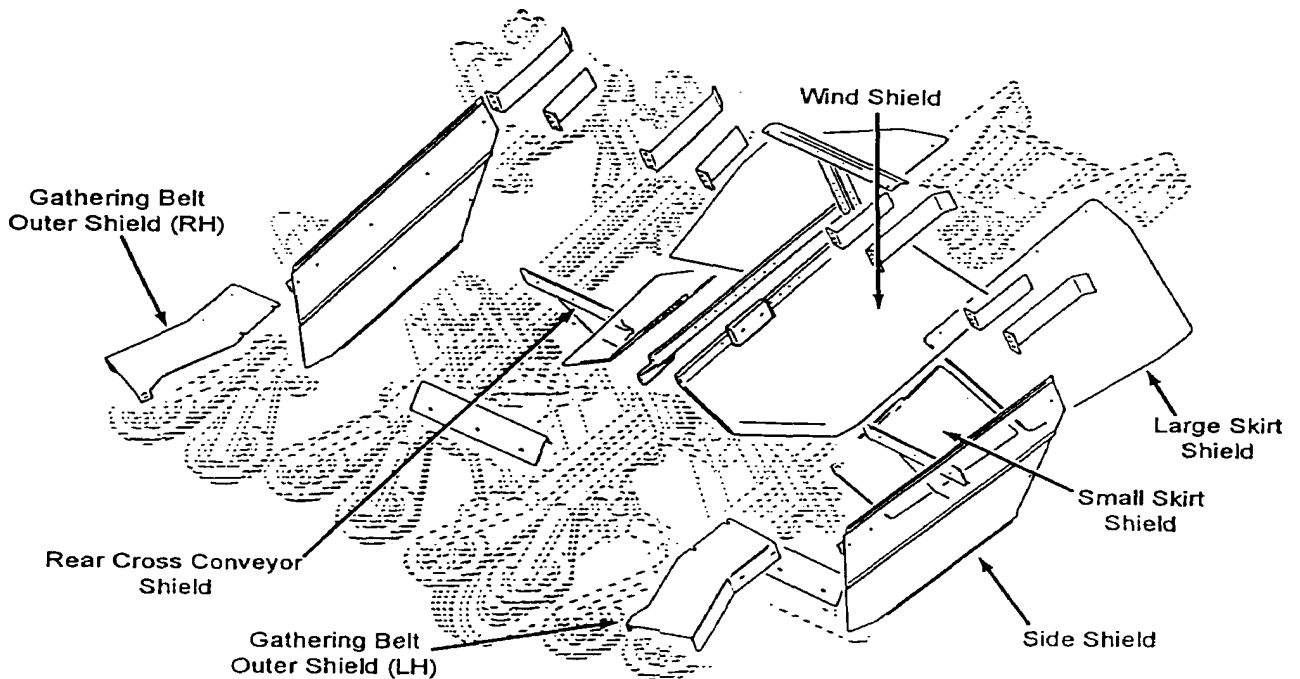
Operational Safety

- Keep Clear of all moving parts and keep others away when operating.
- No one is allowed to step between the power unit and implement unless the machine is secured against unintentional movement by means of the parking brake or wheel chocks.
- Use caution when working on moveable elements of the machine. There are numerous pinch and shear points.
- Never leave the power unit unattended without applying the parking brakes.
- Always drive at a reasonable field speed.
- Never drive near ditches, embankments, holes, mounds or other obstacles. Never drive on hills and slopes too steep for safe operation.
- Always reduce the power unit's speed before turning.
- Always come to a complete stop before reversing direction.

PLEASE NOTE:

In order to take the photographs required for this manual some of the shields and guards were removed. OXBO International Corporation does not recommend operating this equipment with any shields and guards removed. Make sure all shields and guards are securely fastened in place before operating this equipment.

SAFETY SHIELD LOCATIONS



Safety Warning Signs

UNDERSTAND SIGNAL WORDS AND COLORS

Safety signs consist of a combination of pictorials, words and colors. Three signal words and three colors indicate the degree of hazard present in the area of the machine where the sign is displayed.

DANGER in white letters on a red background indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING in black letters on an orange background indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury such as when guards are removed.

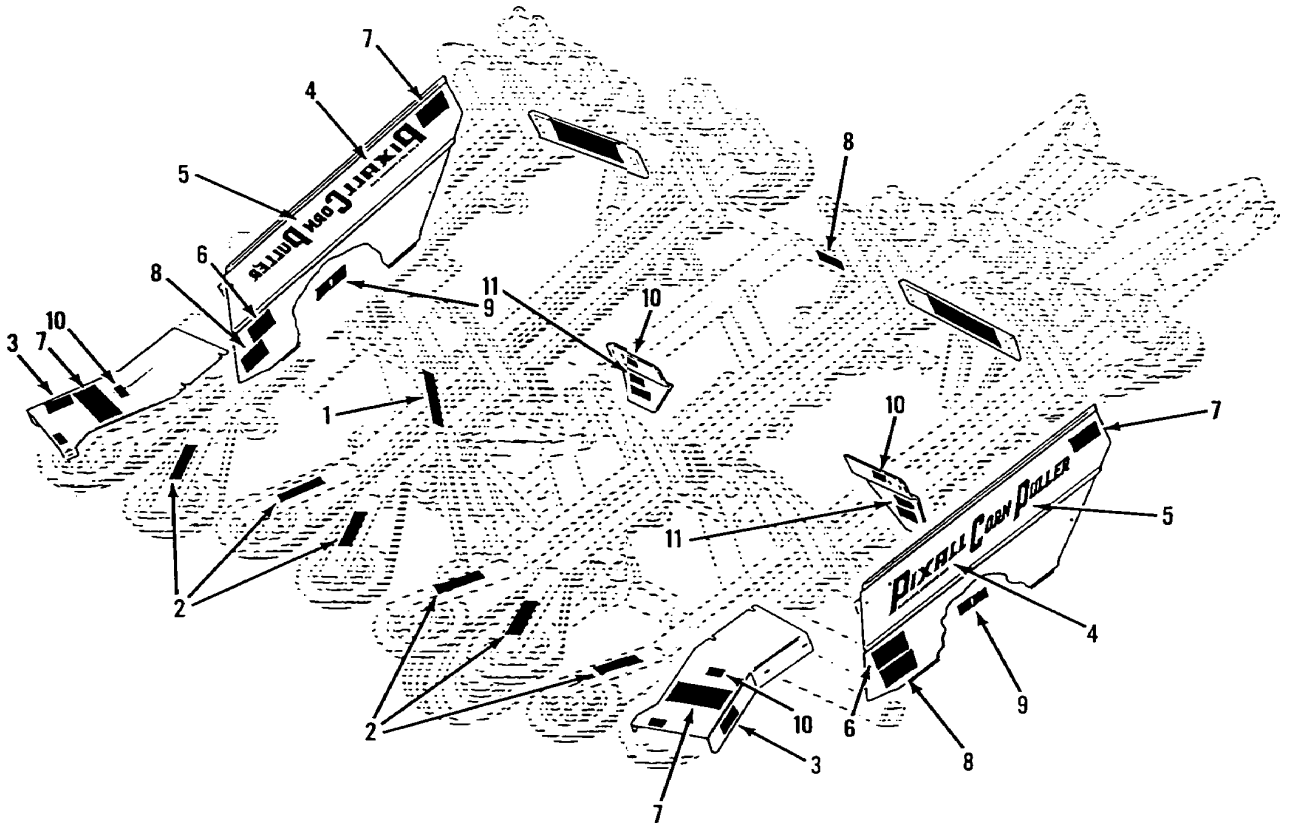
CAUTION in black letters on a yellow background indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.

The pictorials on each sign show the likely consequence of human interaction with the hazard.

FOLLOW SAFETY INSTRUCTIONS

The warnings on these safety signs are for your personal safety and the safety of those working around you. **OBSERVE THESE WARNINGS!** If the signs become worn or illegible, replace them with new decals. Order them by part number from your local dealer.

Safety Sign Locations



3000-0339

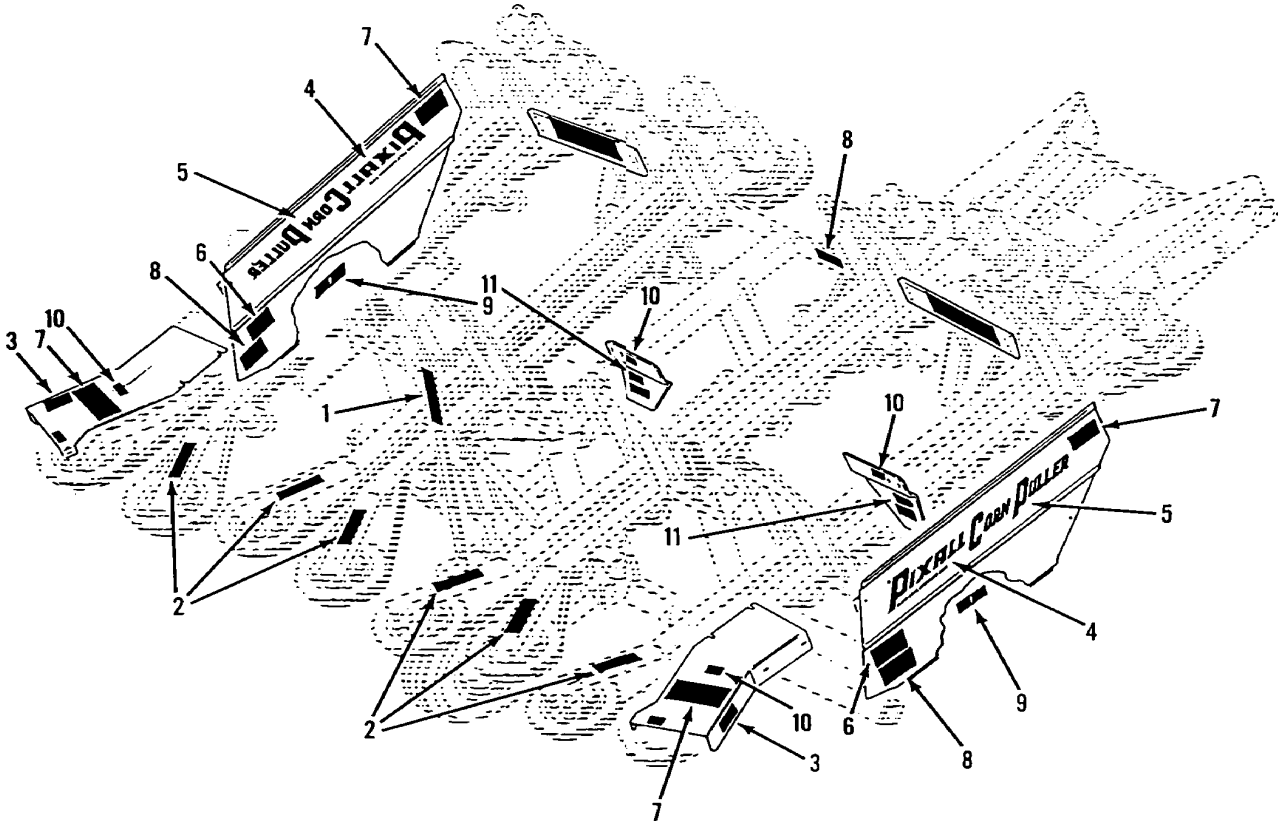


3000-0189



3000-0316

Safety Sign Locations



2002 AND LATER MACHINES

Safety Sign Locations

4



3000-0200
(Used on 1998 to 2001 machines).

10



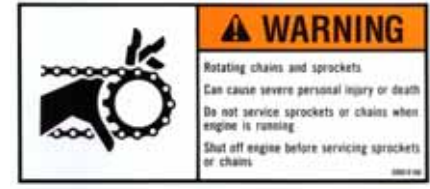
3000-0160

5



3000-0317

11



3000-0188

6



3000-0343

12



90939
(Used on 2002 and later machines).

7



3000-0314

13

Green and black stripes.

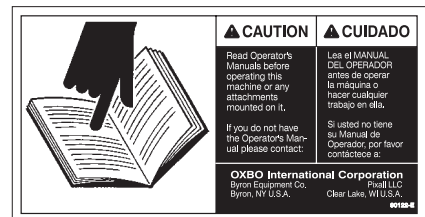
92004
(Used on 2002 and later machines).

8



3000-0315

Not Shown



90122
(Used on 2000 and later machines).

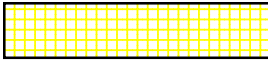
9



3000-0222

Safety Sign Locations

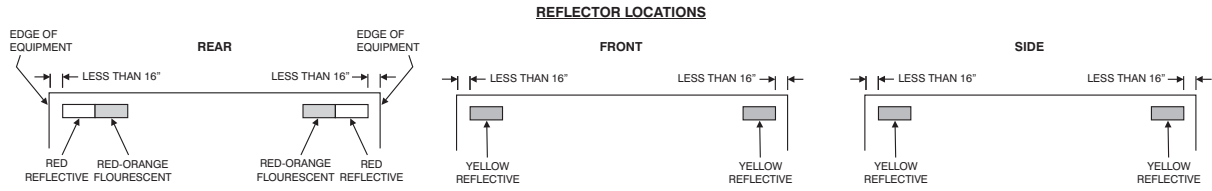
Not
Shown



90923

(Reflector Kit - 2 orange, 2 red, 6 yellow)

REFLECTOR LOCATION SPECIFICATIONS

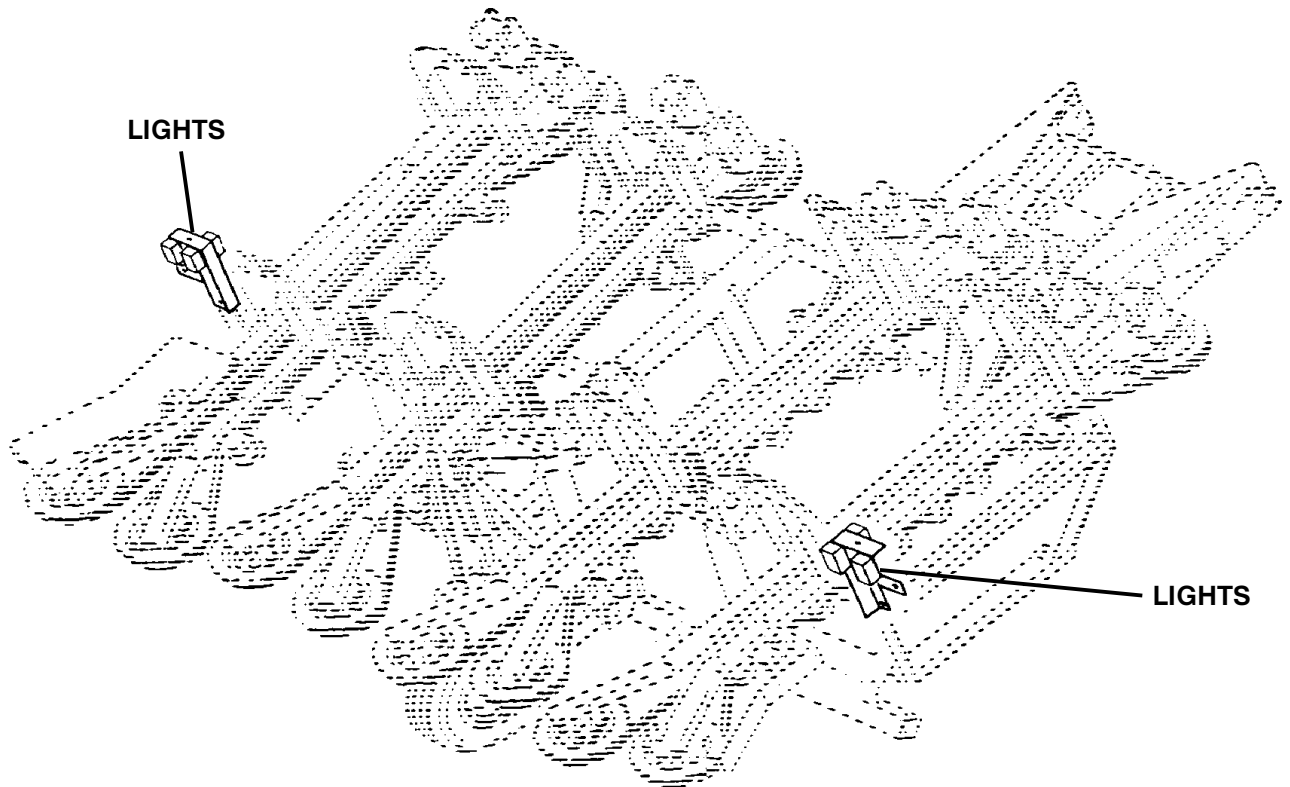


Road Lights

HEAD LIGHTS & AMBER FLASHING LIGHTS

The head lights should be turned on for road travel. The flashing amber road lights are also used as turn signals. The head lights are transferable from the harvester chassis to the corn puller. With the head lights mounted on the corn puller, nighttime visibility is improved.

NOTE: If head lights are left on the chassis light will reflect off the gathering belt arches back into the cab, reducing operator visibility.



Unloading & Mounting

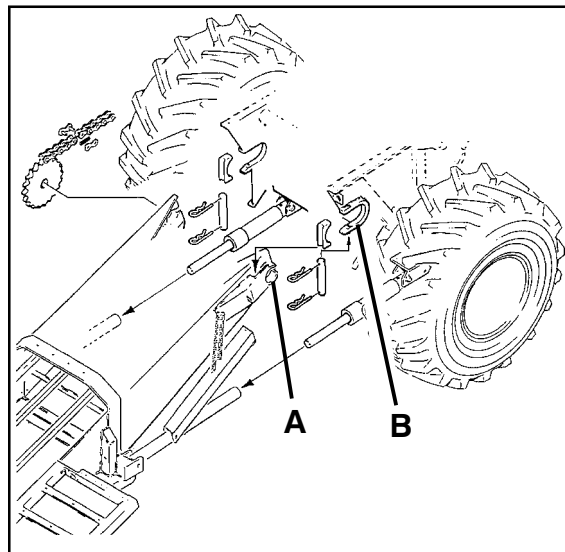
As soon as the truck arrives with the corn puller, check the corn puller for damaged or missing parts and file the appropriate claims with the carrier if necessary.

With the trailer on level ground remove all hold-down chains and binders holding the corn puller to the trailer. Using a forklift of adequate size remove the corn puller from the truck trailer and place it on firm level ground with ample room to maneuver the harvester into position behind the corn puller.

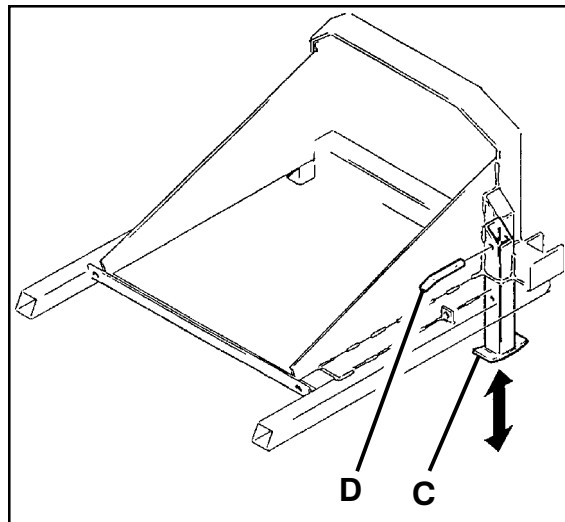
ATTACHING CORN PULLER TO HARVESTER

Start the harvester engine and drive it up to the rear of the corn puller.

Lift corn puller so that the feeder house pivots (A) are directly in front of the pivot openings (B) in the harvester.



Readjust jack stands (C) so that they are resting on the ground and reinsert leg pins (D).

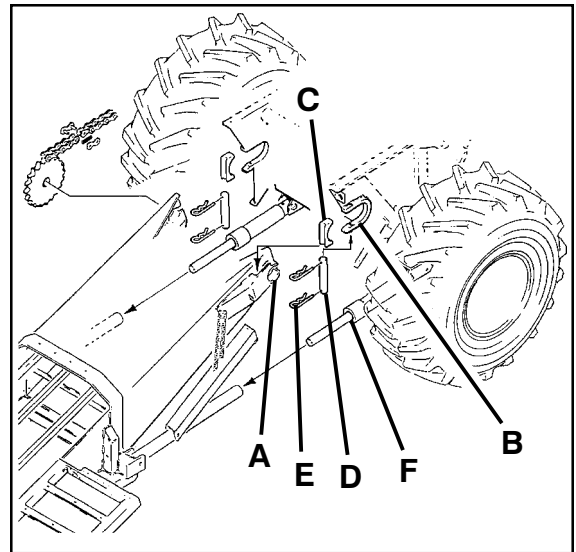


Unloading & Mounting

Slowly drive the harvester forward until the feeder house pivots (A) seat into the harvester's pivot openings (B).

Install the shoes (C) and then install the retaining pins (D) and pin clips (E) on both sides of the corn puller.

Insert the harvester's lift cylinders (F) into the corn puller's lift tubes.



HYDRAULIC CONNECTIONS



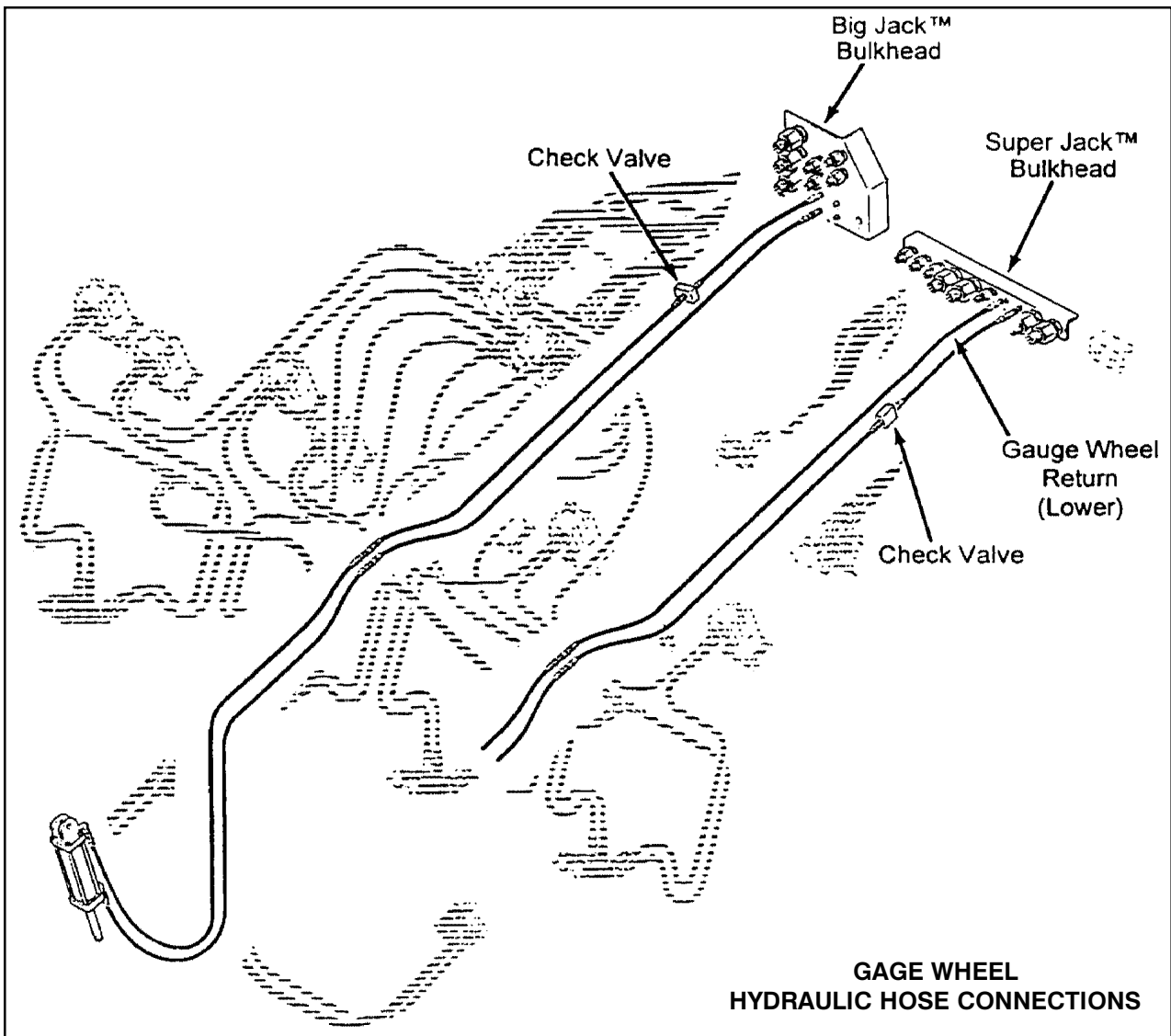
DANGER: ALWAYS SHUT OFF ENGINE BEFORE CONNECTING ANY HYDRAULIC HOSES



WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN PENETRATE THE SKIN CAUSING SERIOUS INJURY. IF ANY FLUID IS ACCIDENTLY INJECTED UNDER THE SKIN IT MUST BE SURGICALLY REMOVED BY A DOCTOR WITHIN A FEW HOURS OR GANGRENE MAY RESULT.

IMPORTANT: WHENEVER IT IS NECESSARY TO DISCONNECT ANY HYDRAULIC LINE OR COMPONENT, TAKE EXTREME CARE NOT TO ALLOW ANY DIRT TO ENTER THE SYSTEM. CLEAN AREA THOROUGHLY BEFORE BREAKING THE CONNECTION.

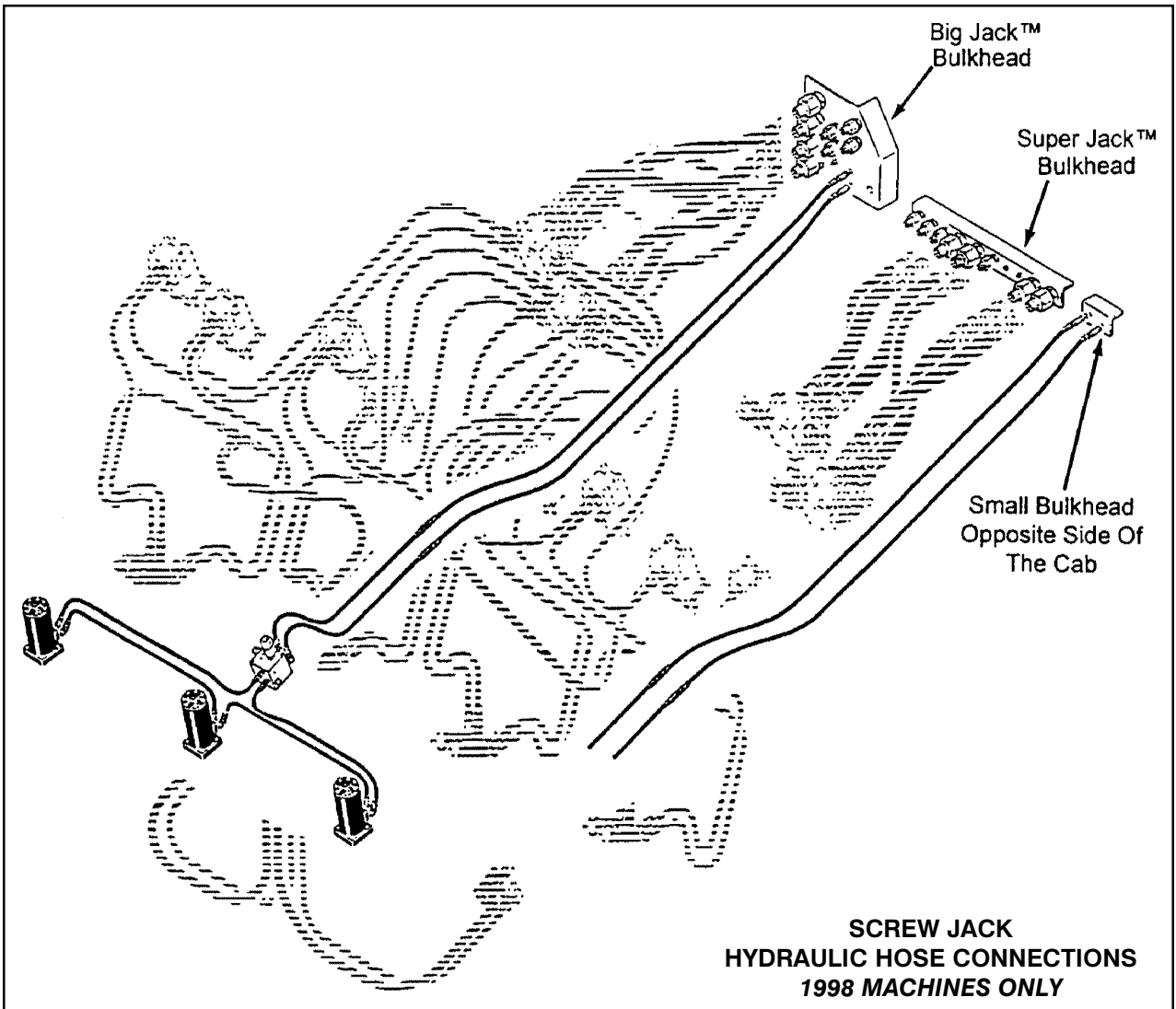
Connect the gage wheel hydraulic hoses as shown.



Unloading & Mounting

Hydraulic Connections cont'd.

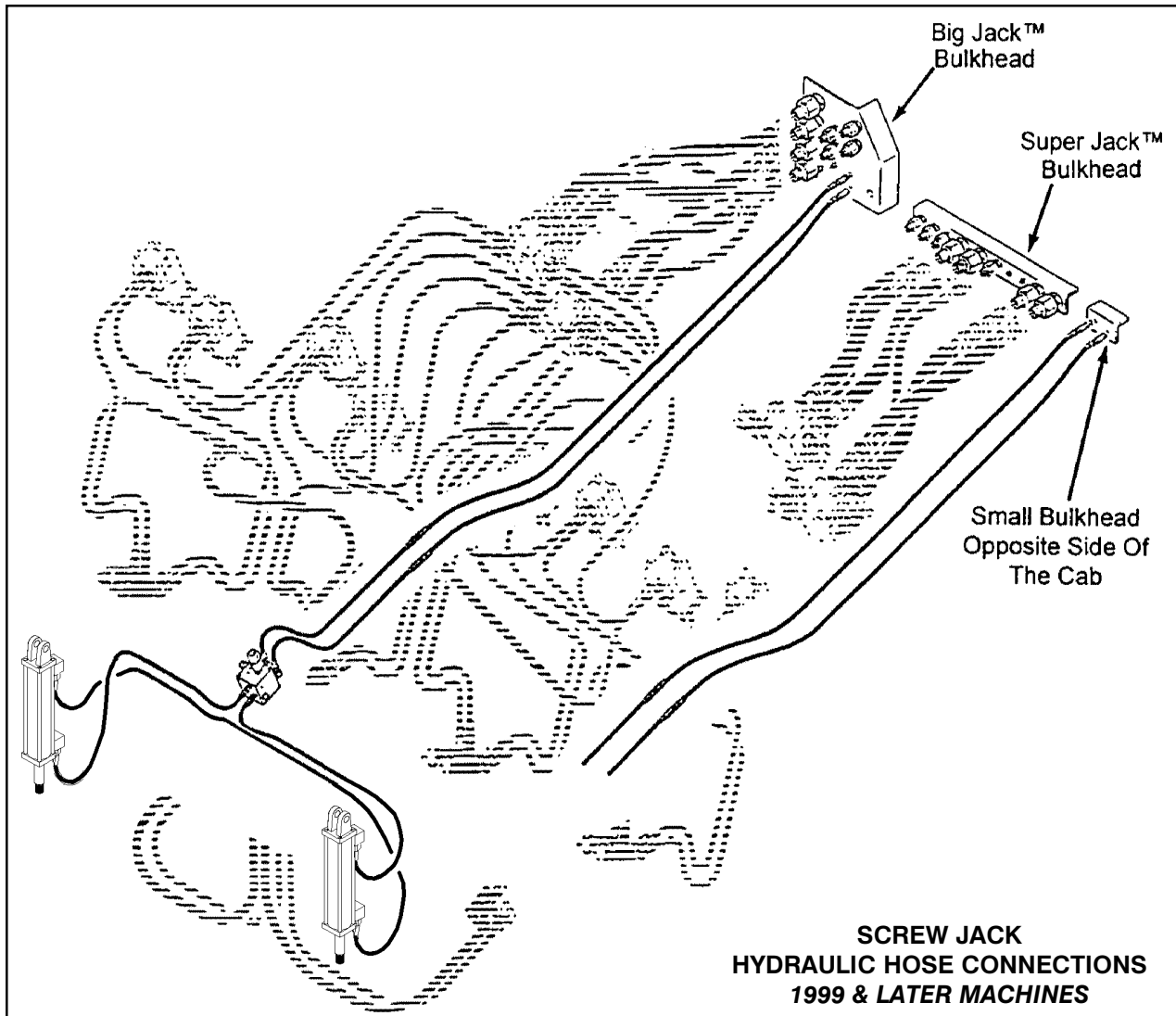
Connect the screw jack hydraulic hoses as shown (1998 units only).



Unloading & Mounting

Hydraulic Connections cont'd.

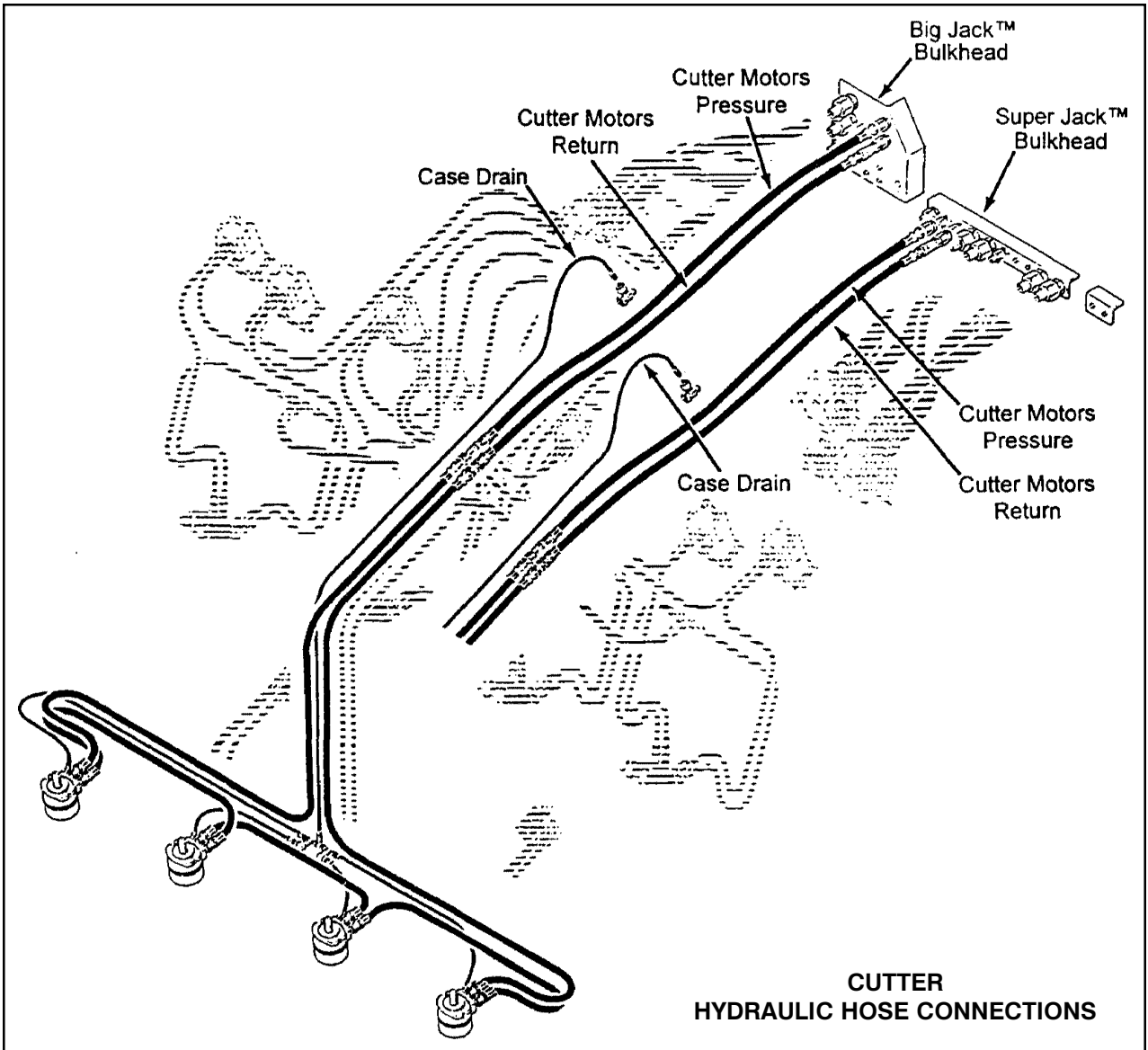
Connect the cylinder hoses as shown (1999 & later).



Unloading & Mounting

Hydraulic Connections cont'd.

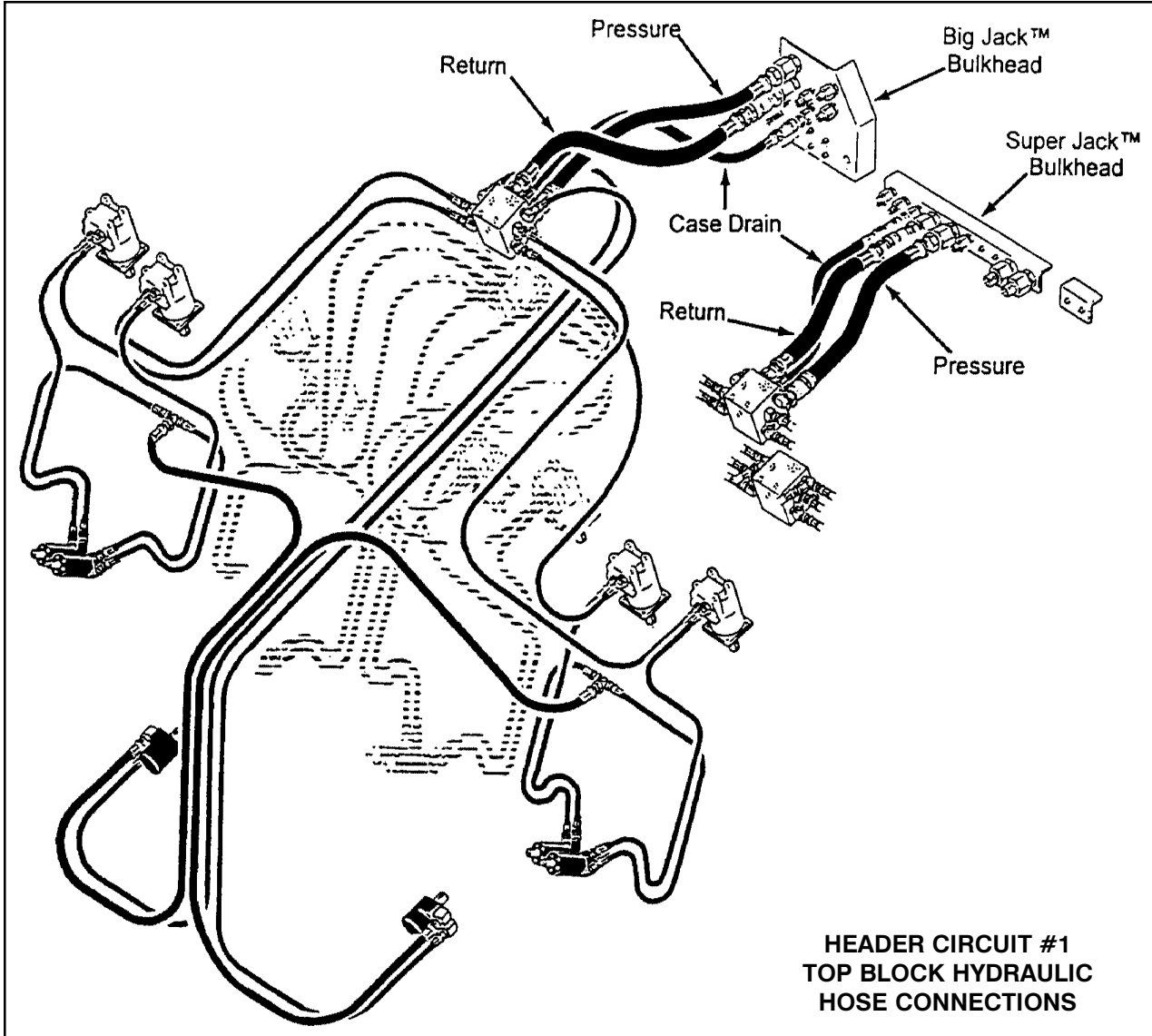
Connect the cutter hydraulic hoses as shown.



Unloading & Mounting

Hydraulic Connections cont'd.

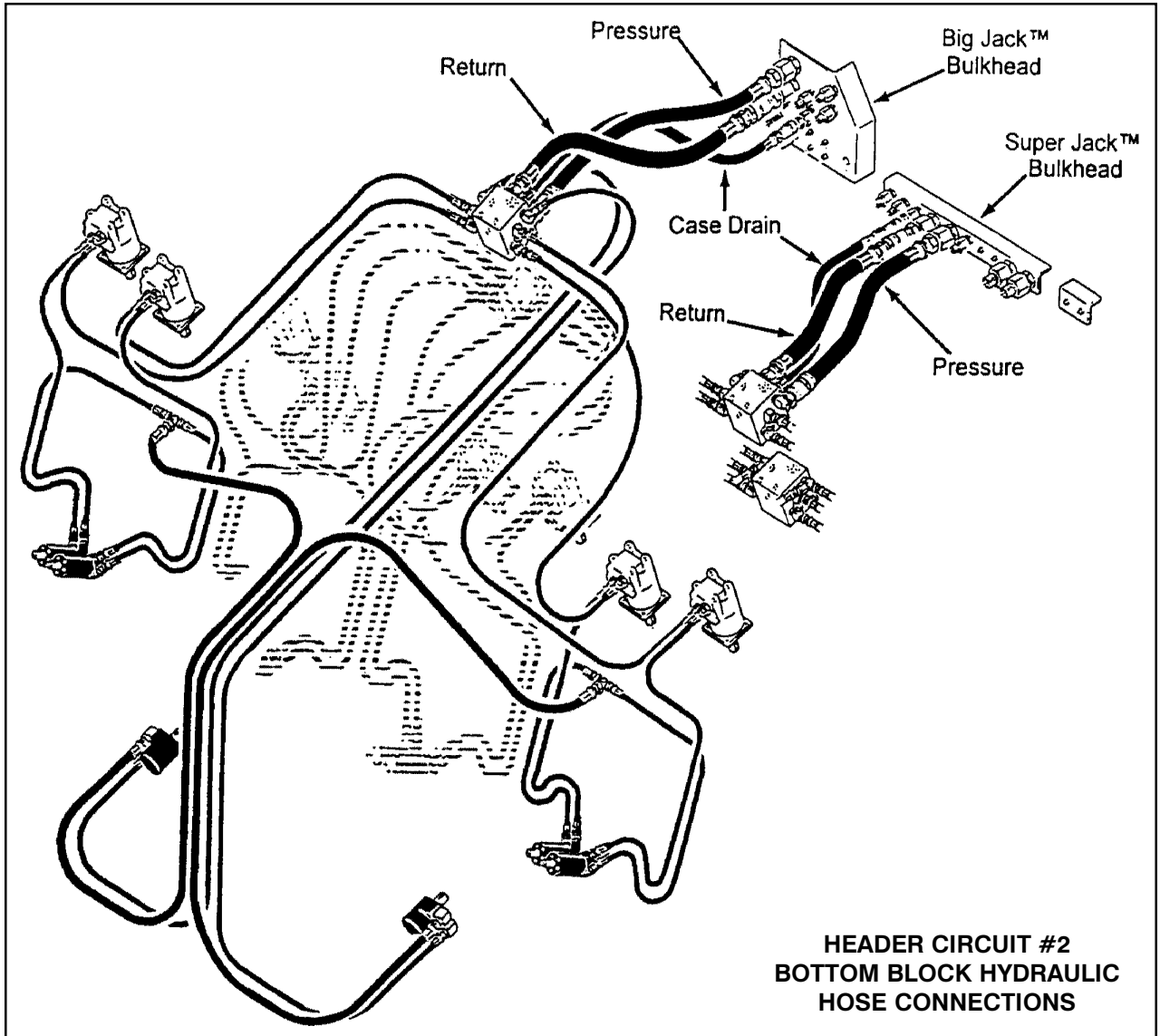
Connect the header hydraulic hoses for circuit #1 as shown
(Top block hose connection)



Unloading & Mounting

Hydraulic Connections cont'd.

Connect the header hydraulic hoses for circuit #1 as shown (Bottom block hose connection).



ELECTRICAL CONNECTION

CONNECTING WIRE HARNESS

Connect the wire harness plug to the harvester's electrical receptacle.

Operation

COMPONENT SYNCHRONIZATION

CORN PULLER SPEED

Synchronization of the speed (rpm) of the corn puller (gathering belts, stripper rollers and cross conveyors) and the forward ground speed (mph - km/h) of the harvester is essential for successful operating and harvesting results.

IMPORTANT: CORN PULLER SPEED MUST BE EQUAL TO THE HARVESTER GROUND SPEED.

For example: A corn puller speed of 100 rpm will yield a corn puller speed of 1.0 mph (1.6 km/h). A corn puller speed of 150 rpm will yield a corn puller speed of 1.5 mph (2.5 km/h) and so on. Always operate the corn puller with this in mind.

Use the following table as a reference:

<u>Corn Puller rpm</u>	<u>Corn Puller Speed</u>	<u>Forward Ground Speed</u>
100 rpm	1.0 mph	1.0 mph (1.6 km/h)
200 rpm	2.0 mph	2.0 mph (3.2 km/h)
300 rpm	3.0 mph	3.0 mph (4.8 km/h)
400 rpm	4.0 mph	4.0 mph (6.4 km/h)
500 rpm	5.0 mph	5.0 mph (8.0 km/h)

FORWARD GROUND SPEED

Forward ground speed is a critical part of the successful recovery of the sweet corn. Forward ground speed must be adjusted according to the field conditions, crop conditions and terrain.

As a benchmark, an engine rpm of 1900 in low gear will furnish a forward ground speed of 1.0 mph.

Remember: Too much corn puller rpm plus a too fast harvester mph equals excessive broken and damaged product.

Use the following table as a reference:

<u>Harvester Engine</u>	<u>Harvesting Speed</u>	<u>Corn Puller rpm = Corn Puller Speed</u>
1900 rpm	1.0 mph (1.6 km/h)	100 rpm = 1.0 mph (1.6 km/h)
1900 rpm	2.0 mph (3.2 km/h)	200 rpm = 2.0 mph (3.2 km/h)
1900 rpm	3.0 mph (4.8 km/h)	300 rpm = 3.0 mph (4.8 km/h)
1900 rpm	4.0 mph (6.4 km/h)	400 rpm = 4.0 mph (6.4 km/h)
1900 rpm	5.0 mph (8.0 km/h)	500 rpm = 5.0 mph (8.0 km/h)

FIELD OPERATION

Start harvester engine and bring it up to 1200 rpm.

IMPORTANT: ALWAYS START THE CORN PULLER AT LOW ENGINE RPM. THIS HELPS TO REDUCE STRESS ON THE COMPONENTS OF THE CORN PULLER.

Engage the cutters, intake elevator and cross conveyors.

Bring engine speed up to 1900 rpm.

Engage harvester functions (cleaning fans, elevators, etc.).

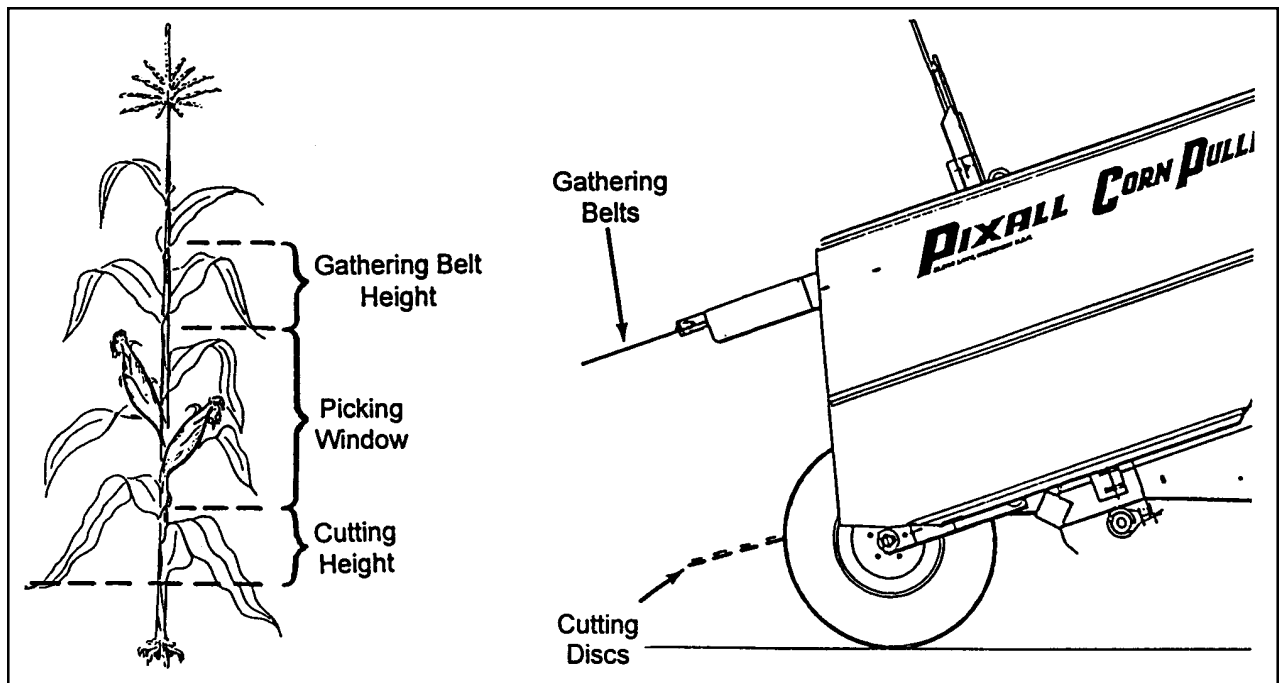
Adjust the speed of the corn puller to 150 rpm.

Adjust the speed of the cutters, intake elevator and cross conveyors to allow an even distribution of sweet corn into the harvester's hopper.

Watch the condition of the product while harvesting. To obtain the best product condition, properly adjust the corn puller flotation, picking window height, cutter height, cutter speed, corn puller speed, gathering belt speed, cleaning fans speed, engine speed and forward ground speed while harvesting.

GROUND ADJUSTMENTS

Corn puller ground adjustments should be set so that the ears of corn are in the "picking window" as shown in the diagram below.



Settings & Adjustments

STALK GUIDES

Principle of Operation:

The inside and outside points of the stalk guides direct and gather the corn stalks. The inside and outside points should separate the rows of corn and direct the stalks into the gathering belts of the row being picked.

At the rear of each gathering belt assembly there are also adjustable rear guide rails that direct the harvested corn stalks under the wheels of the harvester.

Adjustment:



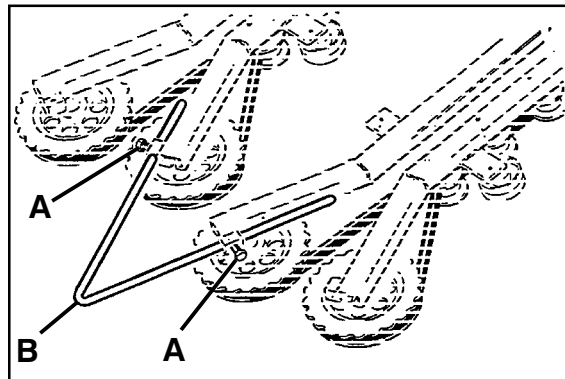
WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON STALK GUIDES. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

Adjust the front stalk guides as follows:

1. Loosen the lockbolts (A).
2. Move the stalk guide (B) to desired position.

NOTE: There is a minimal amount of adjustment available at the rear of each stalk guide using the lockbolts.

3. Retighten the lockbolts.



Settings & Adjustments

Stalk Guides cont'd.

Adjust the rear guide rails as follows:

1. Loosen the lockbolts (C).
2. Move the guide rails (D) to desired position.

NOTE:

- a. Each set should be even with each other.
- b. Set the outside rails so they are turned slightly inward.
- c. Set the inside rails so they are straight down.

3. Retighten the lockbolts.

NOTE: It may be necessary to experiment with the rear guide rail adjustment until the guides properly direct the corn stalk debris towards the wheels of the corn puller.



CAUTION: DO NOT EXTEND THE REAR GUIDE RAILS IN LINE WITH THE CAB WINDSHIELD. DOING SO MAY CAUSE CONTACT WITH THE WINDSHIELD WHEN TRAVELING OVER ROUGH TERRAIN OR WHEN LOADING AND CAN DAMAGE OR BREAK THE WINDSHIELD.

CUTTING DISCS

Principle of Operation

The cutting disc assemblies cut the corn stalks as they enter the gathering belt frames.

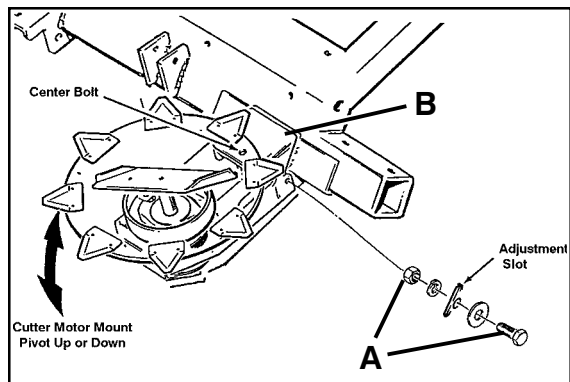


WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON CUTTERS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

Adjustment:

Adjust the front or cutter motor mounts as follows:

1. Loosen the bolt and nut (A).
2. Install a wedge (B) to pivot the cutter motor mount up or down as required to achieve the correct cutting height.
3. Retighten the bolt and nut.



GATHERING BELT TENSION

Principle of Operation

The gathering belts keep the stalks upright and guides them through the row frame.



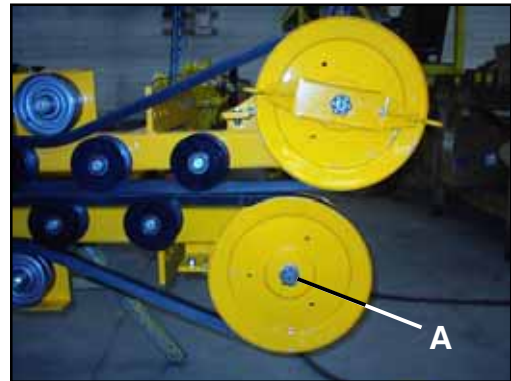
WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON GATHERING BELTS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

Adjustment:

Adjust gathering belt tension as follows:

1. Loosen the idler pulley center bolt (A).

NOTE: Swing the guide rails out of the way for better access to the gathering belts.



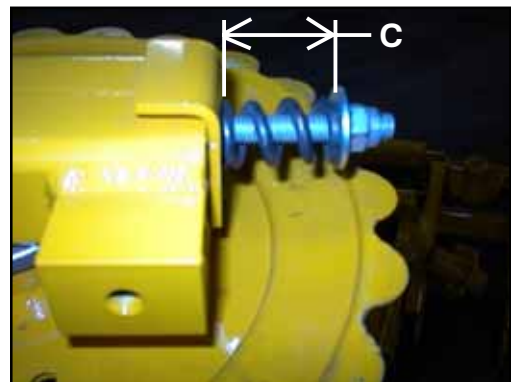
2. Turn the locknut (B) clockwise to tighten belt or counterclockwise to loosen belt.

Adjust the belt tension so the belt rotates under load and doesn't slip. **Do not over tighten.** The gathering belt tension should not run any tighter than necessary to prevent undo stress or twist and roll over on the pulleys.



Proper belt tension is achieved when the tension spring (C) is at 1-7/8 in. (4.76 cm).

3. Retighten the idler pulley center bolt.

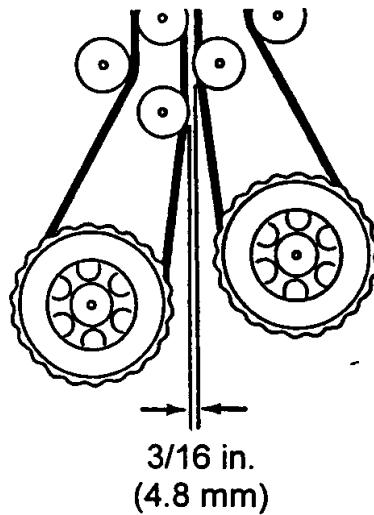


GATHERING BELT GRIP (PINCH)

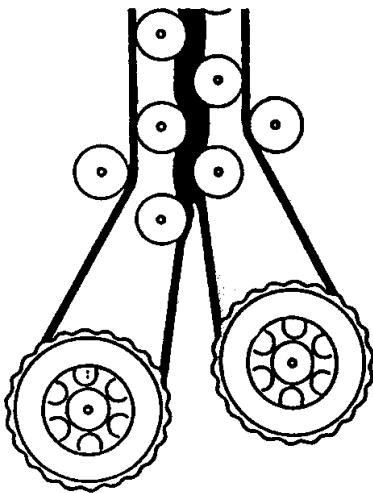
Principle of Operation

The gathering belt grip is the contact pressure between the gathering belts as shown below. The gathering belt grip (pinch) adjustment allows the belts to be closer or further away from each other. Larger diameter stalks may require the gathering belts to be adjusted further apart.

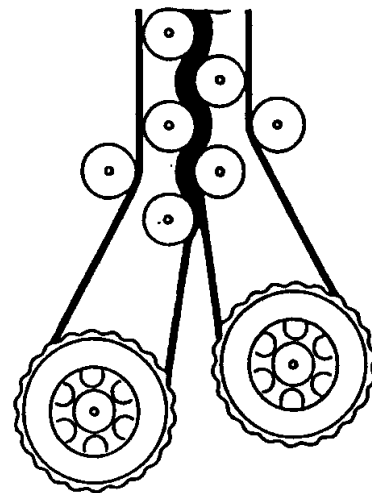
If the gathering belt grip is adjusted too tight, the belts will grip the stalks too tightly. This will twist the stalk as it passes through the gathering belts and stripper rollers and possibly damage the harvested corn.



Gathering Belt Grip (Pinch) Area (distance between pulley flanges)



Correct Amount of Pinch
Slight Snake Appearance



Incorrect Amount of Pinch
(too much)

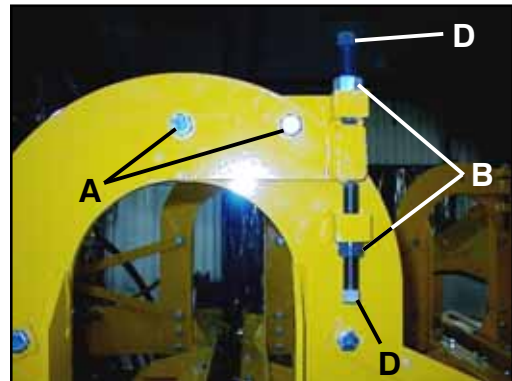
Adjustment



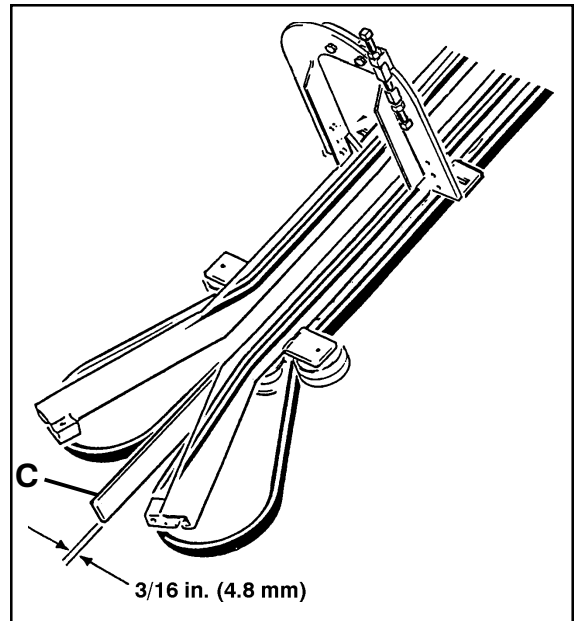
WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON GATHERING BELTS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

Adjust gathering belt tension as follows:

1. Loosen the gathering belt tension (Refer to *Gathering Belt Tension* in this section of the manual).
2. Loosen the two lockbolts (A).
3. Loosen the two jam nuts (B).



4. Insert a 3/16" (4.8 mm) strip (C) between the gathering belt idler pulley flanges. The bottom of the strip should be on top of the pair of belts.
5. To adjust the belt grip, turn the adjusting bolt (D) counterclockwise to tighten belt grip and clockwise to loosen belt grip. Adjust the gathering belts so the belt guides have enough tension to grip the 3/16 in. (4.8 mm) strip firmly but not bend it.
6. Retighten the lockbolts and readjust gathering belt tension.



STRIPPER ROLLERS

Principle of Operation

The stripper rollers determine where the ears of corn drop onto the cross conveyors.

Adjustment



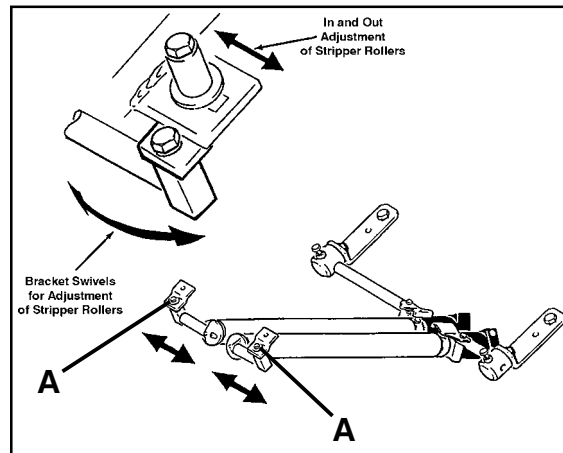
WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON STRIPPER ROLLERS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

The tops and bottoms of the stripper rollers need to be adjusted in relation to the stalk size. This is the parallel width spacing adjustment. The stripper rollers should be set 1/4 in. (6.35 mm) wider than the widest diameter of the stalk. The angle and location adjustment (as shown in the illustration) needs to be adjusted to determine where the ears drop onto the conveyor. When the stripper rollers are adjusted up, the removal of the ears moves back on the stripper rollers and drops the ears farther back on the cross conveyors.

Adjust stripper rollers as follows:

IMPORTANT: FORCING THE MOTOR END WITHOUT LOOSENING THE TOP AND BOTTOM BOLTS MAY CAUSE HYDRAULIC MOTOR SEAL FAILURE.

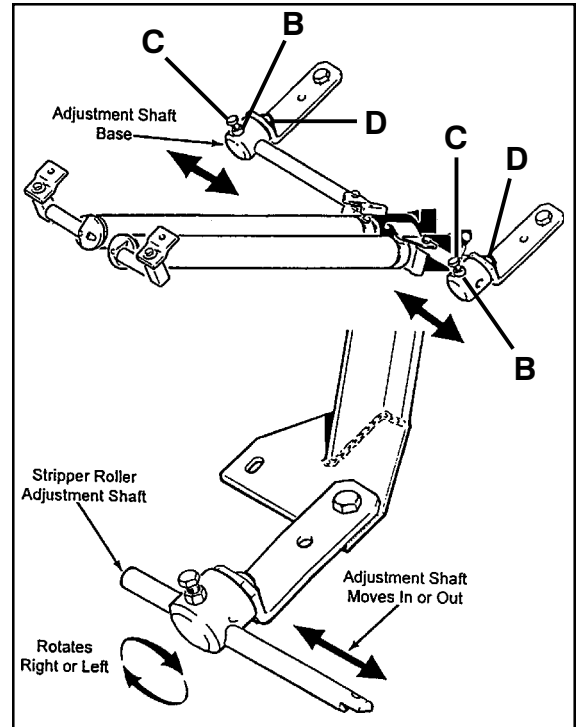
1. Loosen the upper stripper roller adjustment bolts (A).



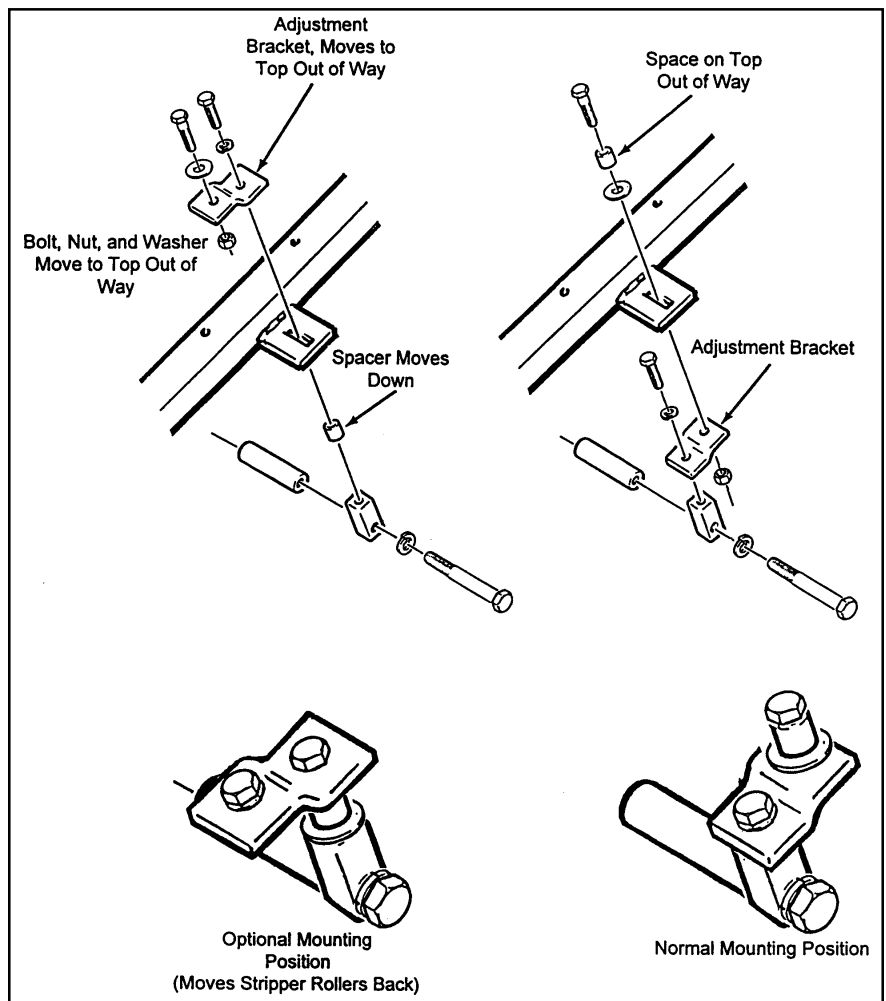
Settings & Adjustments

Stripper Rollers cont'd

2. Loosen the locknuts (B) and bolts (C) that fasten the bottom stripper roller adjustment shafts to the bottom adjustment shaft bases.
3. Loosen the bottom adjustment shaft base bolts (D).
4. Move the stripper rollers to the desired width.
5. Retighten all bolts and nuts.



STRIPPER ROLLERS OPTIONAL TOP ADJUSTMENT



CROSS CONVEYORS

CONVEYOR BELT

Principle of Operation

The cross conveyors transport the ears of corn to the intake elevator.

Adjustment

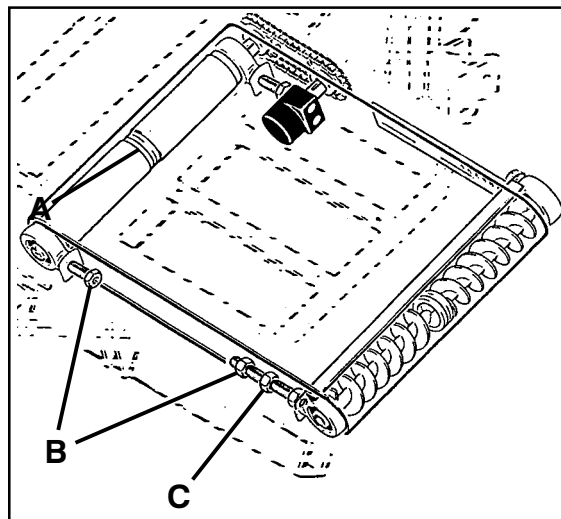
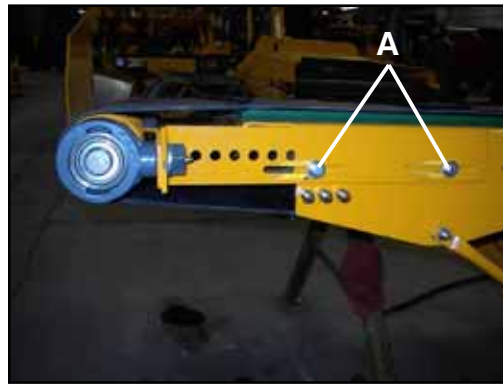


WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON CROSS CONVEYORS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

The cross conveyor belt should not run any tighter than necessary to prevent undue stress to the belt, rollers and bearings.

Adjust conveyor belt as follows:

1. If necessary, adjust the back side of the conveyor belt as follows:
 - a. Loosen the two belt tensioner lockbolts (A) located on the backside of the cross conveyor.
 - b. Use the series of holes behind the belt tensioner adjustment slots to adjust the belt by alternating their position while forcing the direction of desired tension.
 - c. Retighten the lockbolts while maintaining belt tension.
2. If necessary, adjust the front side of the conveyor belt as follows:
 - a. Loosen the jam nut (B) on the side of the conveyor belt to be adjusted.
 - b. Turn the adjusting nut (C) clockwise to equal tension on both edges of the belt.
 - c. Retighten the jam nut.
3. Check for proper adjustment by running the cross conveyor belt to make sure that both sides are adjusted equally. Repeat procedures if necessary.



DRIVE CHAIN

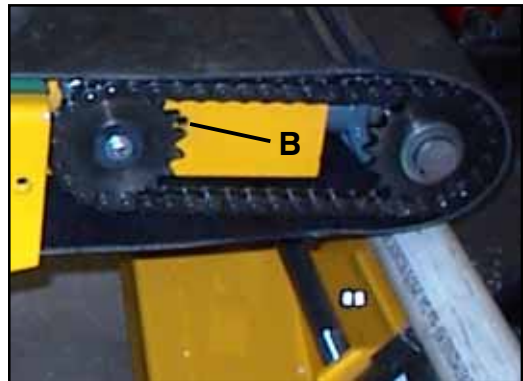
Adjustment

Adjust drive chain as follows:

1. Loosen the four motor mount bolts (A).



2. Insert a punch or screw driver in the hole (B) at the edge of the sprocket and slide the motor until proper tension is achieved. **Do not over tighten.** Chain tension should be adjusted tight enough to remove slack.



3. Hold tension and retighten bolts.

INTAKE ELEVATOR BELT

Principle of Operation

The intake conveyor transports the ears of corn into the harvester.

Adjustment



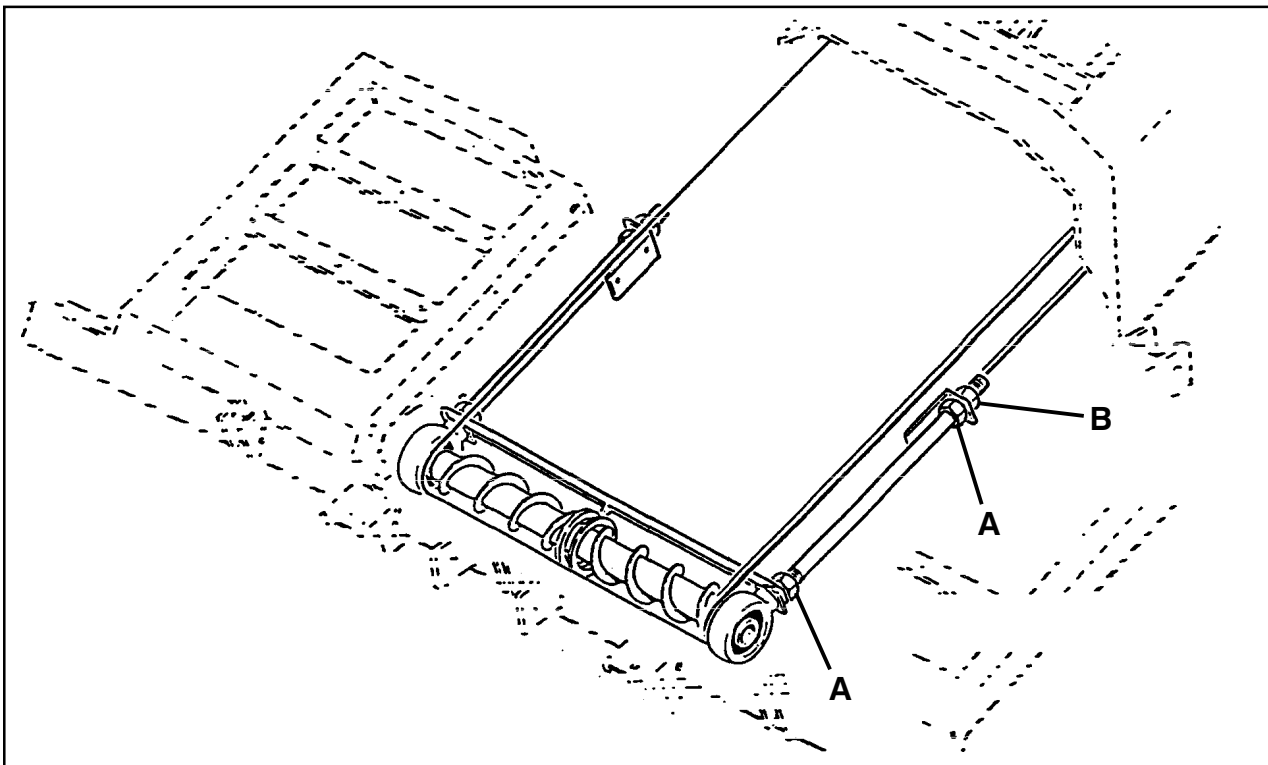
WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON INTAKE ELEVATOR. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

The intake elevator belt should not run any tighter than necessary to prevent undue stress to the belt, rollers and bearings.

Adjust conveyor belt as follows:

1. Loosen two jam nuts (A) on one side of the elevator.
2. Turn the lower adjusting nut (B) counterclockwise to tighten the belt.
3. Retighten the jam nuts.
4. Repeat steps 1 thru 3 on other side of the elevator.

NOTE: Adjust both sides of the elevator belt equally.



TACH SENSOR

Principle of Operation

The tach sensor sends a signal to the harvester's tachometer gauge which displays the speed of the gathering belt drive.

Adjustment

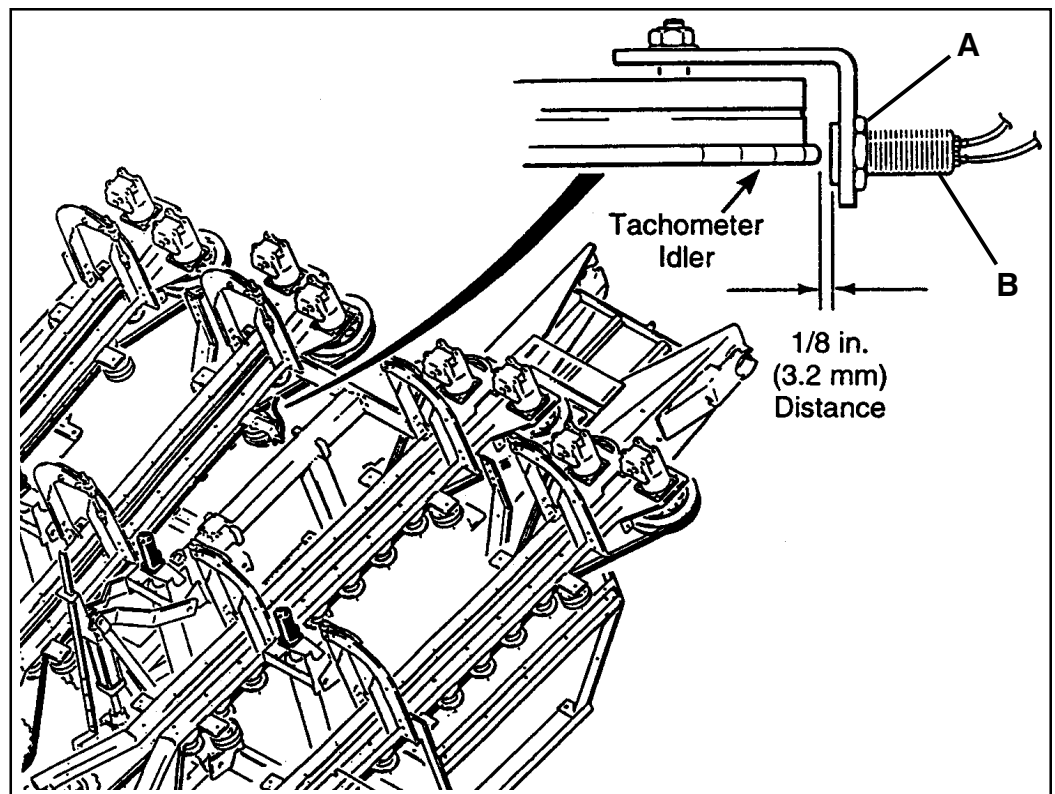


WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON TACH SENSOR. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

The gap between the sending unit and the idler pulley must be 1/8 in. (3.2 mm). If the gap is too large the signal will be weak and can result in a false tachometer reading. If the gap is too small, damage to the sending unit could occur.

Adjust tach sensor as follows:

1. Loosen sending unit locknut (A).
2. Turn the sending unit (B) clockwise or counterclockwise as needed to achieve a gap of 1/8 in. (3.2 mm) between the sending unit and idler pulley.
3. Retighten the locknut.



PICKING WINDOW PIVOT PIN

Adjustment

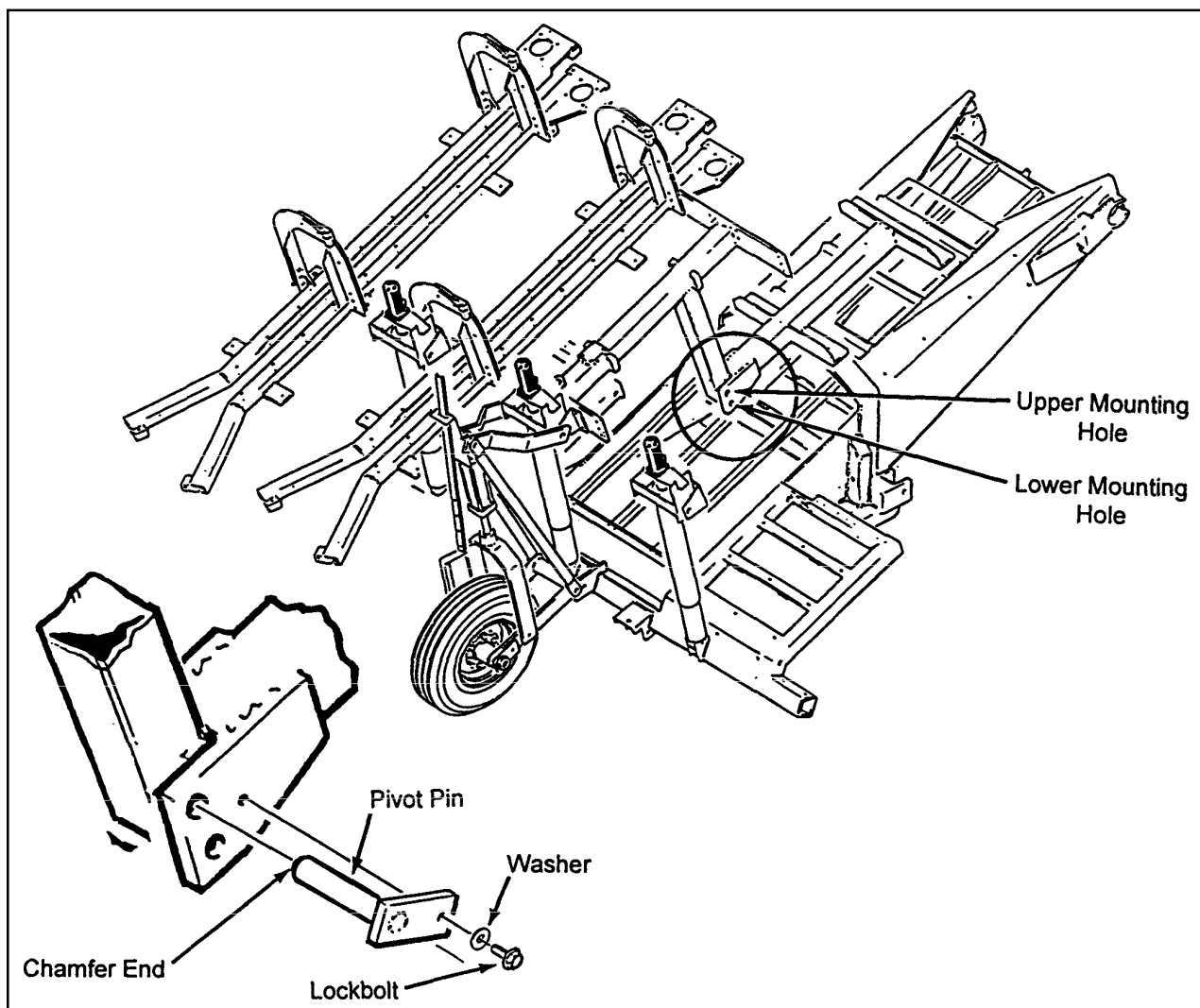


WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON PICKING WINDOW PIVOT PIN. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.



WARNING: USE AN OVERHEAD HOIST FOR THIS PROCEDURE. FAILURE TO DO SO COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.

The upper mounting hole allows the stripper rollers to be adjusted forward, allowing ample clearance of the bottom end of the hydraulic motor over the cross conveyor while moving the bottom end of the stripper rollers forward. This position gives maximum pull distance through the stripper rollers.



Lubrication & Maintenance

PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.



WARNING: NEVER LUBRICATE, SERVICE, OR ADJUST MACHINE WHILE IT IS MOVING. KEEP HANDS, FEET AND CLOTHING FROM POWER-DRIVEN PARTS.

Disengage all power and operate controls to relieve pressure. Stop the power unit engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Check all bolts and nuts at regular intervals and retighten as necessary to prescribed torque values.

Remove any buildup of grease, oil, or debris.

Dispose of used oil and filters according to regulations!



ROLLER CHAIN MAINTENANCE

Roller chain drives require proper and timely maintenance to deliver satisfactory performance and service life.

MAINTENANCE

Chains must be maintained as follows:

1. The drive is correctly lubricated.
2. Drive interferences are eliminated.
3. Damaged chains and sprockets are replaced.
4. Worn chains and sprockets are replaced.
5. The sprockets are properly aligned.
6. The chain is properly tensioned.
7. Guards are in good condition and properly installed.

A roller chain drive should be inspected after the *first* 50 hours of operation. Following this, an inspection should be conducted every 100 hours of operation.

LUBRICATION

Be sure that the lubrication schedule is being followed. If the chain is dirty, clean it with kerosene or a non-flammable solvent and lubricate it. It is very important to lubricate the pins and bushing surfaces which articulate with each other while the chain is under full load. Lubrication is also required between the rollers and bushing. To reach all these surfaces, the lubricant should be applied to the upper edges of the link plates on the lower strand of the chain shortly before the chain engages the sprocket.

Refer to the *Maintenance & Lubrication* chart for lubrication intervals.

GREASE POINTS

Any good quality Multipurpose Hi Temperature/Extreme Pressure grease rated NGLI #2 is acceptable.

IMPORTANT: IF GREASE FITTING IS MISSING, REPLACE IMMEDIATELY. CLEAN FITTINGS THOROUGHLY BEFORE USING GREASE GUN.

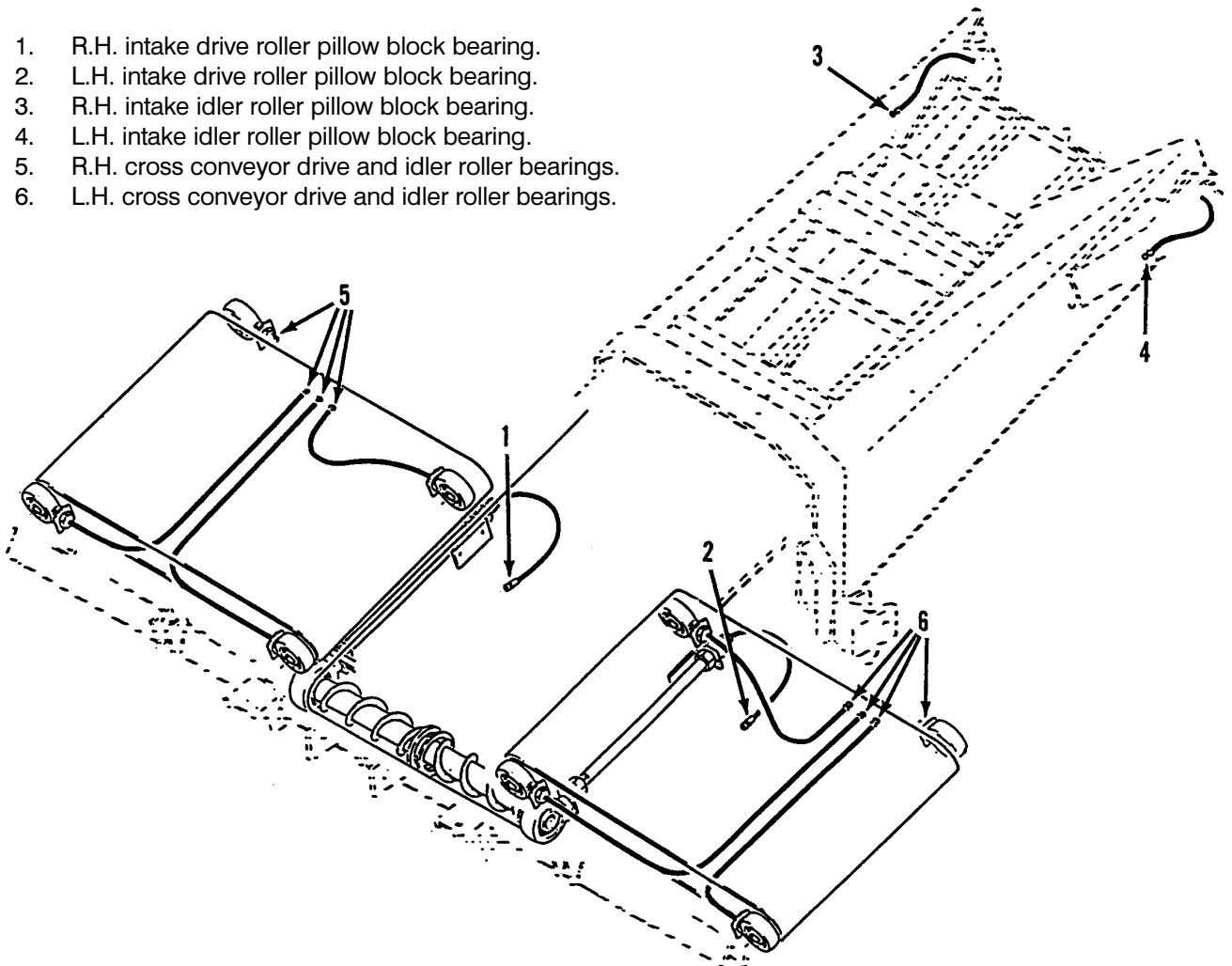
All grease points must be lubricated once a week or after 10 hours of operation.

Most grease points are identified by a yellow grease decal.



There are twelve points on the machine that must be lubricated at each of the following locations:

1. R.H. intake drive roller pillow block bearing.
2. L.H. intake drive roller pillow block bearing.
3. R.H. intake idler roller pillow block bearing.
4. L.H. intake idler roller pillow block bearing.
5. R.H. cross conveyor drive and idler roller bearings.
6. L.H. cross conveyor drive and idler roller bearings.

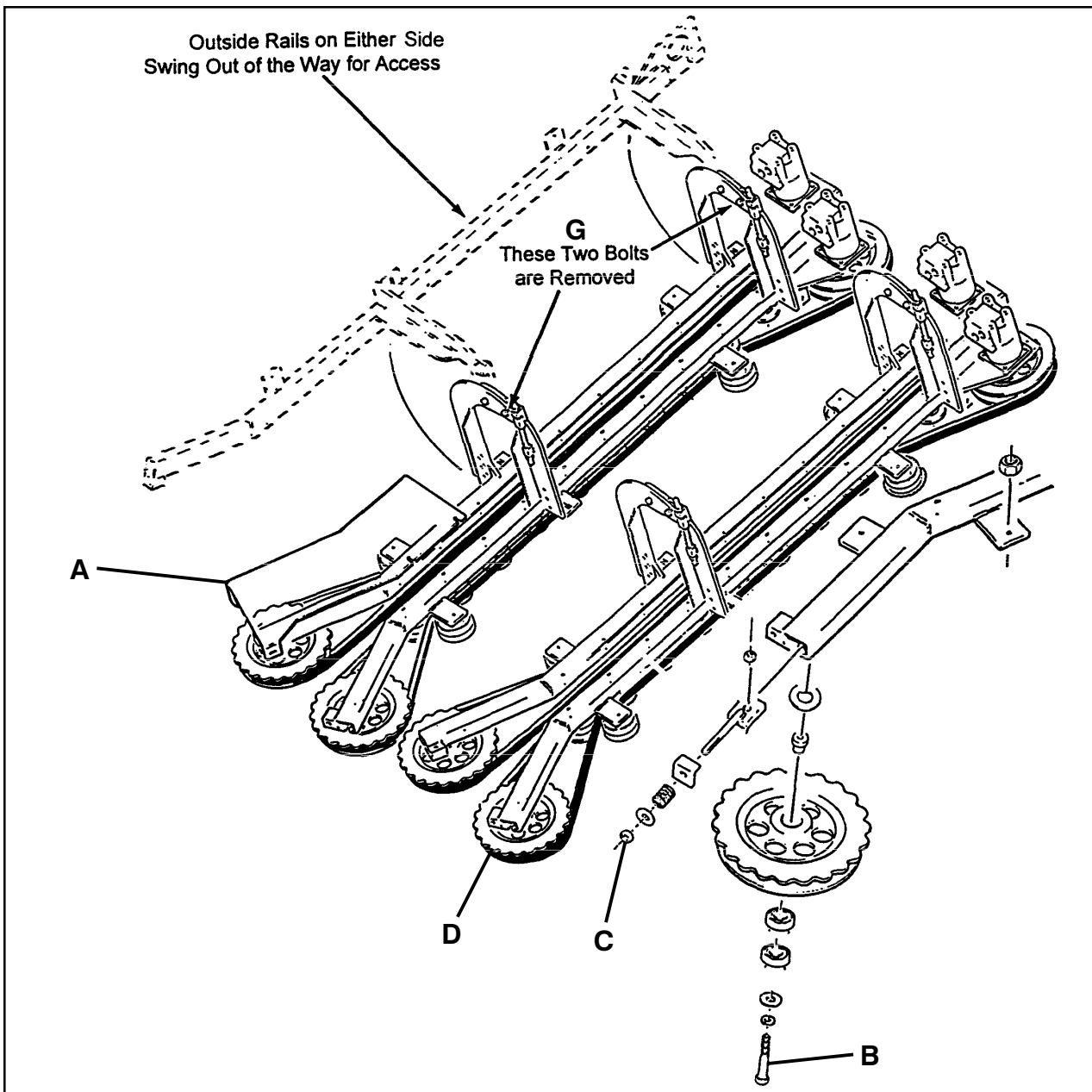


GATHERING BELT REPLACEMENT



WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON GATHERING BELTS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

1. Remove idler pulley safety shield (A).
2. Loosen idler pulley center bolt (B).
3. Loosen gathering belt tensioner adjusting nut (C) until it is possible to remove the belt from the driven sheave (D).



Lubrication & Maintenance

Gathering Belt Replacement cont'd.

4. Loosen four adjustment bolt jam nuts (E) and loosen four adjustment pinch bolts (F) to relieve the belt.

5. Loosen four lockbolts (G).

Remove only the two lockbolts closest to the adjustment pinch bolts (as shown in the illustration on the previous page).

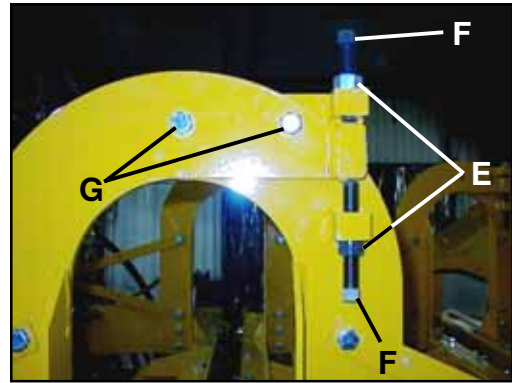
6. Remove old gathering belt and install new belt.

7. Reinstall the two lockbolts but do not tighten.

8. Adjust tension as described in *Gathering Belt Tension* in the *Settings & Adjustments* section of this manual.

9. Tighten four gathering belt pinch adjustment bolts (F) and adjust grip as described in *Gathering Belt Grip (Pinch)* in the *Settings & Adjustments* section of this manual.

10. Tighten four lockbolts (G).

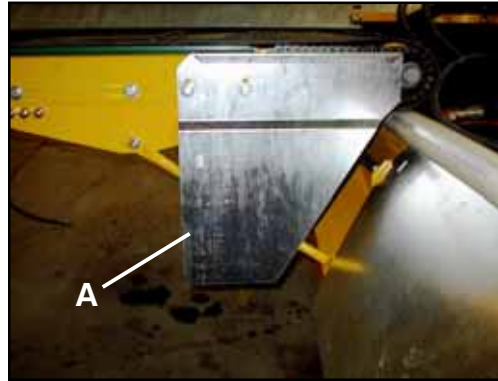


CROSS CONVEYOR BELT REPLACEMENT

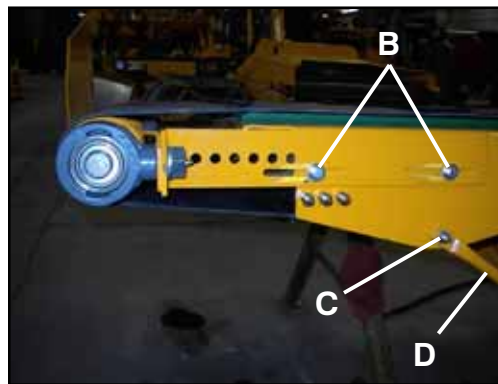


WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON CROSS CONVEYORS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

1. Remove the safety shield (A).

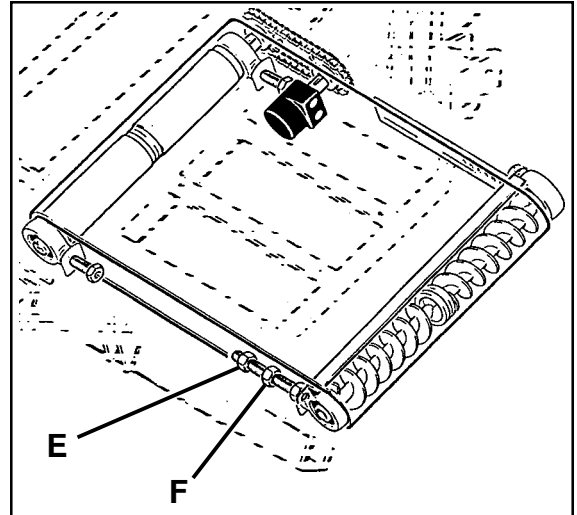


2. Loosen two belt tensioner lockbolts (B).
3. Remove nut and bolt (C) from brace (D) and swing brace out of the way..



Cross Conveyor Belt Replacement cont'd.

4. Loosen jam nut (E) and adjusting nut (F) on the auger roller scraper rod to relieve tension on the roller scraper and conveyor belt.
5. Remove old cross conveyor belt and install new belt.
6. Reverse procedure to install and adjust new belt.
7. Check for proper adjustment by running the cross conveyor belt to make sure that both sides are adjusted equally. If necessary, adjust belt as described in *Cross Conveyors* in the *Settings & Adjustments* section of this manual.

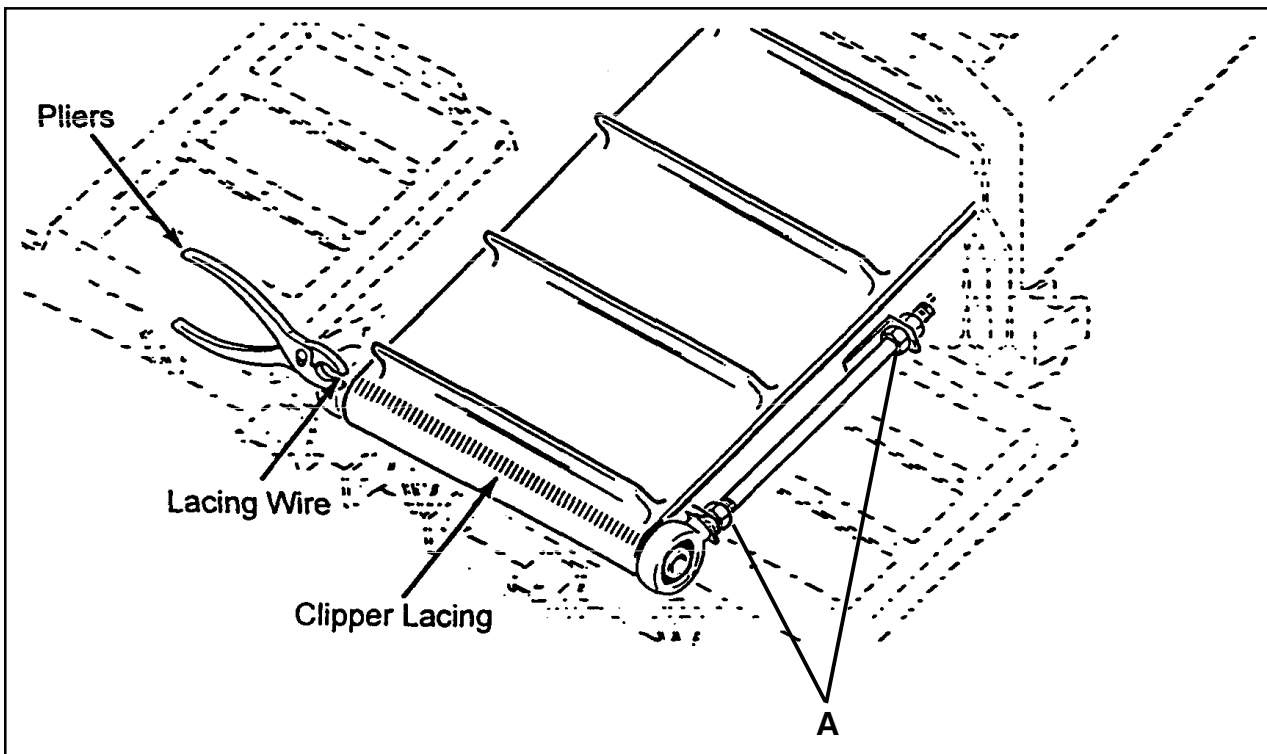


INTAKE ELEVATOR BELT REPLACEMENT



WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON INTAKE ELEVATOR. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

1. Rotate the elevator belt to bring the belt lacing to the front of the intake.
2. Loosen jam nuts (A).
3. Loosen adjusting nut (B) to release belt tension.
4. Using a pair of pliers, remove the lacing wire.
5. Remove the old conveyor belt and install new belt.
6. Replace the clipper lacing and apply a coating of silicone to the clipper lacing.
7. Reinstall the lacing wire.
8. Retighten the jam nuts.
9. Check for proper adjustment by running the intake elevator belt to make sure that both sides are adjusted equally. If necessary, adjust belt as described in *Intake Elevator Belt* in the *Settings & Adjustments* section of this manual.

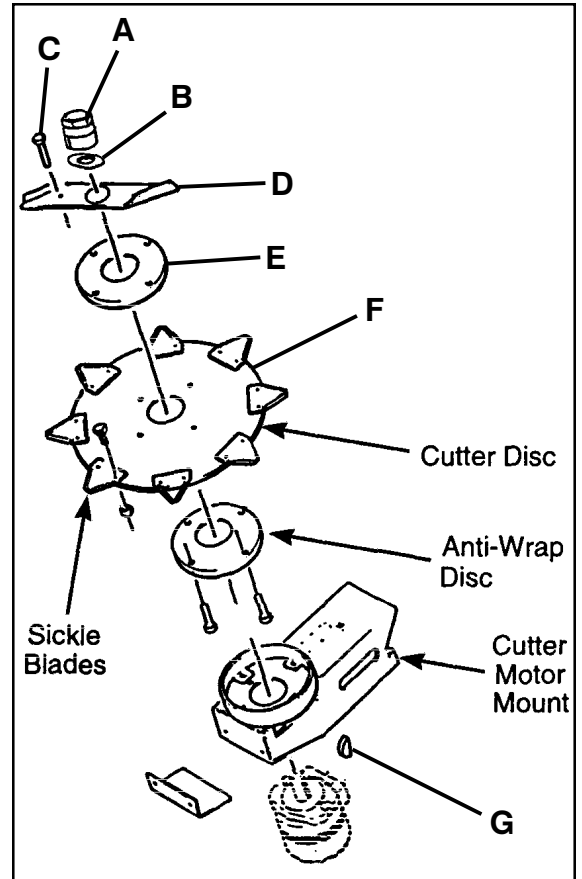


CUTTING DISC REPLACEMENT



WARNING: ALWAYS SHUT DOWN POWER UNIT BEFORE WORKING ON CUTTERS. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN PULLER, ALWAYS RAISE THE PULLER ALL THE WAY UP AND ENGAGE THE HYDRAULIC CYLINDER SAFETY STOPS ON BOTH SIDES OF THE CORN PULLER.

1. Remove the Trantorque lock (A), oblong washer (B), flipper bolts (C), flipper (D) and hub (E).
2. Remove the cutter disc assembly (F) and the woodruff key (G) from the motor.
3. Perform the required maintenance or repairs.
4. Install the cutter disc assembly and woodruff key.
5. Install the hub and flipper. Install and tighten the flipper bolts.
6. Install the oblong washer and Trantorque lock. Make sure Trantorque lock is tight.



Lubrication & Maintenance

MAINTENANCE & LUBRICATION SCHEDULE							
<i>Component</i>	<i>Action</i>	<i>Daily</i>	<i>Weekly</i>	<i>Monthly</i>	<i>3 Months</i>	<i>Annually</i>	<i>Notes</i>
Cutter discs and sickle cutters (condition)	Check	X				X	
Stripper rollers (adjustment)	Check	X				X	
Gathering belts (condition and adjustment)	Check	X				X	
Cross conveyor belts condition, alignment and tension	Check		X			X	
Intake elevator belt (condition and adjustment)	Check		X			X	
Hydraulic components (condition)	Check	X				X	
Hydraulic fluids (level and condition)	Check		X			X	
Gage wheel (operation and tire pressure)	Check		X				
Picking window (operation)	Check		X				
Safety shields (proper installation)	Check			X			
Safety decals (condition)	Check				X	X	
Lights (operation and condition)	Check	X	X			X	
<i>Component</i>	<i>Action</i>	<i>10 hrs</i>	<i>40 hrs</i>	<i>50 hrs</i>	<i>100 hrs</i>	<i>Annually</i>	<i>Notes</i>
R.H. intake drive and idler roller pillow block bearings	Lubricate	X					1 stroke from gun
L.H. intake drive and idler roller pillow block bearings	Lubricate	X					1 stroke from gun
R.H. cross conveyor drive and idler roller bearings	Lubricate	X					1 stroke from gun
L.H. cross conveyor drive and idler roller bearings	Lubricate	X					1 stroke from gun
Cross conveyor chain drives	Lubricate			X	X		Lube at first 50 hrs then every 100 hrs

Tires & Wheels

TIRE AND WHEEL MAINTENANCE

Check tires daily for damage and noticeably low air pressure. Check tire pressure with a gauge daily.

TIRE PRESSURE

Tires should be inflated to 50 psi (3.4 bar).

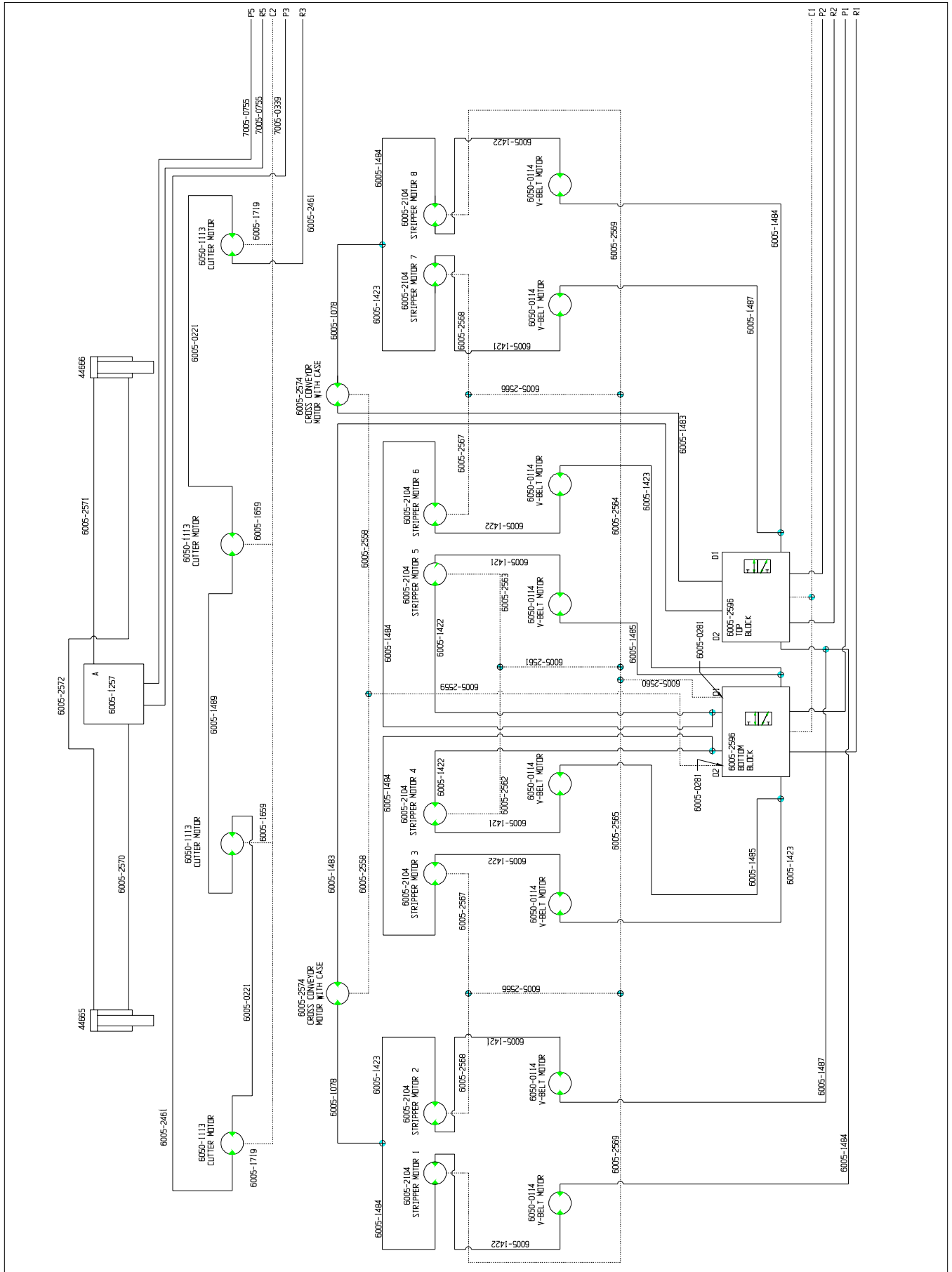
LUG NUT TORQUE

90 - 150 ft.-lbs. (122 - 203 Nm).

Troubleshooting

CORN PULLER		
Condition	Cause	Solution
Wind blown corn does not pick.	Gathering belt not centered on rows.	Operate with gathering belt centered over planted position of corn stalk instead of tassel position.
Corn ears fall off stalk at cutters (Shanks being cut instead of stalk).	Cutting too high.	Decrease cutting height.
	Short picking window distance.	Open picking window distance.
Corn puller floatation does not work.	Electrical plug is not connected.	Make sure electrical plug is connected.
Gathering belts rolling over.	Improper belt tension	Adjust belts as described in <i>Settings & Adjustments</i> section.
Stalks broken off before cut off.	First idler pulley interference.	Remove first idler pulley.
Stalks not pulling completely through stripper rollers.	Open picking window distance.	Close picking window distance.
Damaged product.	Inconsistent gathering belt speed.	Operate with a consistent gathering belt speed.
	Incorrect relational forward ground speed (traveling to fast).	Adjust ground speed as described in <i>Component Synchronization</i> in the <i>Operation</i> section.
Debris in product.	Incorrect relational forward ground speed (traveling to fast).	Adjust ground speed as described in <i>Component Synchronization</i> in the <i>Operation</i> section.
Lights do not work.	Electrical problem.	Check wires and connections.
Corn puller does not engage.	Harvester cab door is open.	Close harvester cab door.
	Operator is not seated in cab.	Seat operator.

Hydraulic Schematic



Seasonal Storage

PREPARING FOR STORAGE

1. Clean the corn puller thoroughly, preferably with a pressure washer.

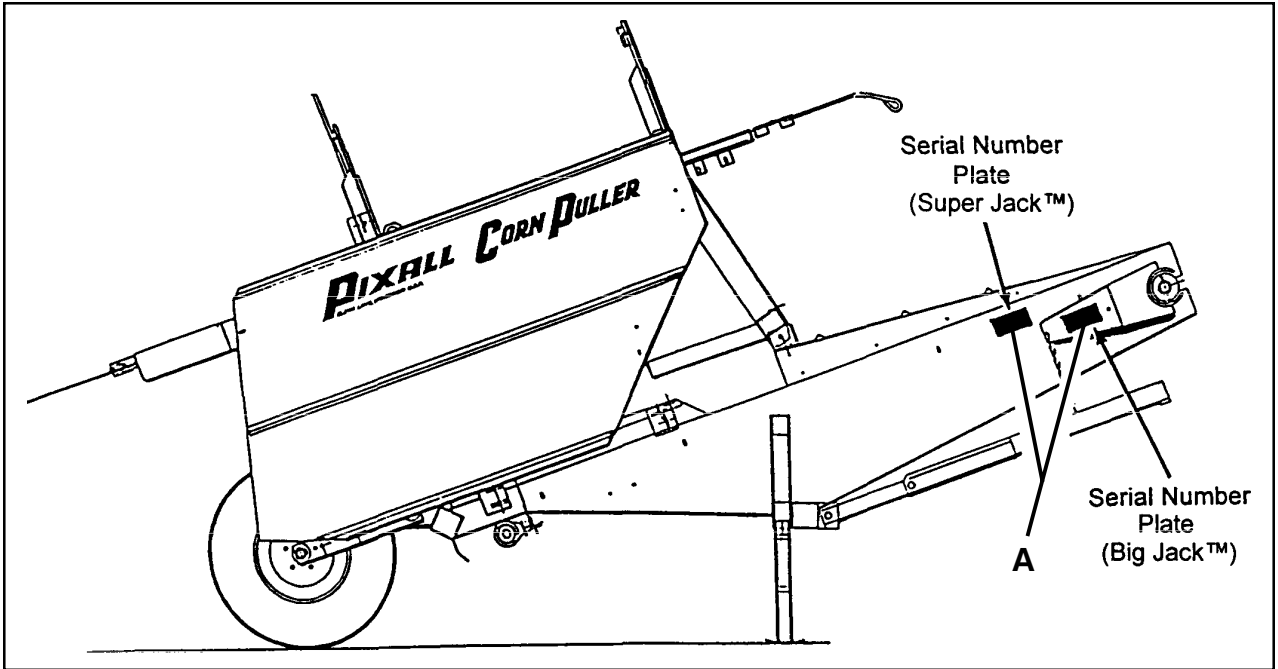
IMPORTANT: DO NOT SPRAY HIGH PRESSURE WATER STREAM FROM THE POWER WASHER DIRECTLY AT SEALED BEARINGS. THE SEALED BEARINGS MAY RETAIN WATER WHICH WILL DAMAGE BEARINGS CAUSING BEARING FAILURE DURING USE.

2. Repair or replace any worn or damaged parts.
3. Remove any rust and apply a coat of paint.
4. Check all bearings and pivots for damage or contamination and replace if necessary. Lubricate with a good grade of grease.
5. Inspect all hydraulic components for damage or leakage and repair or replace as necessary.
6. Retract all hydraulic cylinders and coat exposed rod ends with grease.
7. Roll up hoses and electrical harness and hang on the frame.
8. Remove and roll up the intake conveyor belt and the cross conveyor belts for storage.
9. Store the corn puller in a clean and dry area.

Serial Number

When ordering parts, always furnish the model number and serial number of the OXBO Corn Puller as stamped on the data plate (A) located on the rear left hand side of the elevator frame.

Record you serial number in the space provided on the first page of the *Repair Parts Section*.



Charts & Specifications












CORN PULLER SPECIFICATIONS

	<u>CP400</u>	<u>CP400L</u>
DIMENSIONS		
Overall Width:	129 in. (3.20 m)	129 in. (3.2 m)
Overall Height:	87 in. (2.21 m)	87 in. (2.21 m)
Overall Length:	168 in. (4.27 m)	210 in. (5.33 m)
NET WEIGHT	5100 lbs. (2318 kg)	5200 lbs. (2363 kg)
ROWS		
Picking Rows:	Four	Four
Row Spacing:	30 - 36 in. (76.2 - 91.4 cm)	30 - 36 in. (76.2 - 91.4 cm)
38 - 40 INCH ROW OPTION	38 - 40 in. (96.5 - 101.6 cm)	38 - 40 in. (96.5 - 101.6 cm)
CENTER CONVEYOR		
Width:	36 in. (91.4 cm)	36 in. (91.4 cm)
Drive:	Chain and Sprocket	Chain and Sprocket
CROSS CONVEYORS		
Width:	30 in. (76.2 cm)	30 in. (76.2 cm)
Drive:	Hydraulic Motor	Hydraulic Motor
GAUGE WHEEL	7.6 x 15 in. (19.3 x 38.1 cm)	7.6 x 15 in. (19.3 x 38.1 cm)
CAPACITY (Approx.)		
Harvesting Speed:	2 mph (3.3 km/h)	4 mph (6.4 km/h)
Acres/Hour:	3 (1.2 hectares/hour)	4 (1.6 hectares/hour)

COMMON CONVERSION FACTORS

Length:	Inches to millimeters: x 25.4 Miles to kilometers: x 1.609
Weight:	Pounds to kilograms: x 4536
Area:	Acres to hectare or square hectometer: x .4047
Pressure:	Psi to bar: x .06895 Psi to kPa: x 6.8948
Torque:	Foot-pounds to Newton meters: x 1.3558
Flow:	Gallons/minute to liters/minute: x 3.7848
Displacement:	Cubic inches to cubic centimeters: x 16.387
Power:	Horsepower to kilowatts: x .74571
Liquid:	Gallons to liters: x 3.785

UNIFIED INCH BOLT AND CAP SCREW TORQUE VALUES

SAE Grade and Head Markings	1 or 2 ^b	5	5.1	5.2	8	8.2
	NO MARK 					
SAE Grade and Nut Markings	2	5		8		
	NO MARK 					

Size	Grade 1				Grade 2 ^b				Grade 5, 5.1, or 5.2				Grade 8 or 8.2			
	Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a	
	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft
1/4	3.7	2.8	4.7	3.5	6	4.5	7.5	5.5	9.5	7	12	9	13.5	10	17	12.5
5/16	7.7	5.5	10	7	12	9	15	11	20	15	25	18	28	21	35	26
3/8	14	10	17	13	22	16	27	20	35	26	44	33	50	36	63	46
7/16	22	16	28	20	35	26	44	32	55	41	70	52	80	58	100	75
1/2	33	25	42	31	53	39	67	50	85	63	110	80	120	90	150	115
9/16	48	36	60	45	75	56	95	70	125	90	155	115	175	130	225	160
5/8	67	50	85	62	105	78	135	100	170	125	215	160	215	160	300	225
3/4	120	87	150	110	190	140	240	175	300	225	375	280	425	310	550	400
7/8	190	140	240	175	190	140	240	175	490	360	625	450	700	500	875	650
1	290	210	360	270	290	210	360	270	725	540	925	675	1050	750	1300	975
1-1/8	470	300	510	375	470	300	510	375	900	675	1150	850	1450	1075	1850	1350
1-1/4	570	425	725	530	570	425	725	530	1300	950	1650	1200	2050	1500	2600	1950
1-3/8	750	550	950	700	750	550	950	700	1700	1250	2150	1550	2700	2000	3400	2550
1-1/2	1000	725	1250	925	990	725	1250	930	2250	1650	2850	2100	3600	2650	4550	3350

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

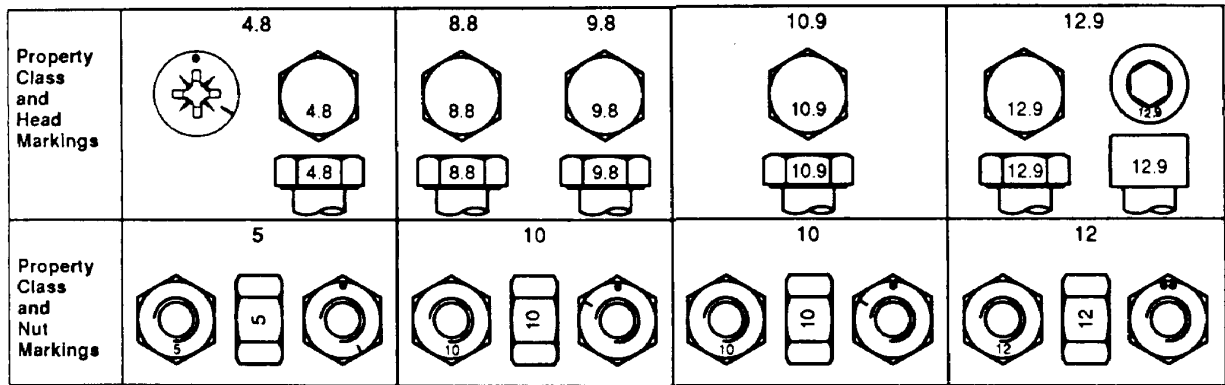
Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

^a "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without any lubrication.

^b Grade 2 applies for hex cap screws (not hex bolts) up to 152 mm (6-in.) long. Grade 1 applies for hex cap screws over 152 mm (6-in.) long, and for all other types of bolts and screws of any length.

METRIC BOLT AND CAP SCREW TORQUE VALUES



Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a	
	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	225	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class.

Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to the strength of the original.

^a "Lubricated means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry means plain or zinc plated without any lubrication.

Fitting Assembly Torque and F.F.W.R. (For O-ring Face Seal Fittings)						
SAE Dash Size	Tube Side Thread Size	Tube Side Assembly Torque (+10% -0%)			Flats from Wrench Resistance (F.F.W.R.)	
		in-lb.	ft-lb.	Nm	Tube Nuts	Swivel & Hose Ends
-4	9/16-18	220	18	25	1/4 to 1/2	1/2 to 3/4
-6	11/16-16	360	30	40	1/4 to 1/2	1/2 to 3/4
-8	13/16-16	480	40	55	1/4 to 1/2	1/2 to 3/4
-10	1-14	---	60	80	1/4 to 1/2	1/2 to 3/4
-12	1 13/16-12	---	85	115	1/4 to 1/2	1/3 to 1/2
-14	15/16-12	---	95	130	1/4 to 1/2	1/3 to 1/2
-16	1 7/16-12	---	110	150	1/4 to 1/2	1/3 to 1/2
-20	1 11/16-12	---	140	190	1/4 to 1/2	1/3 to 1/2
-24	2-12	---	180	245	1/4 to 1/2	1/3 to 1/2
-32	2 1/2-12	---	360	490	---	---

F.F.W.R. Assembly Method:

If torque wrenches are not available, an alternate method of assembly is the Flats From Wrench Resistance (F.F.W.R.) Method.

Wrench tighten the nut onto the fitting body until wrench resistance is reached. Tighten further to the appropriate F.F.W.R. value from the *Fitting Assembly Torque and F.F.W.R.* chart shown above.

NOTE: The torque method of assembly is the preferred method of assembly. It reduces the risk of human error during assembly that is more prevalent in the Flats From Wrench Resistance (F.F.R.W.) method. To ensure the most accurate assembly of the fitting, it is strongly recommended that the torque method be utilized.

Repair Parts Section

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A NOTE ON USING THESE PARTS LISTS

Right or left hand parts are determined by standing in back of the machine facing in the direction of travel. The abbreviation on "A.R." in the "USED" column means "AS REQUIRED" - the item is used to service a major assembled component or it is used in numbers which may vary between individual machines usually to obtain a particular adjustment or dimension at assembly. When, in the course of routine repair disassembly a number of shims, flatwashers, etc. are removed, always reassemble the same quantity.

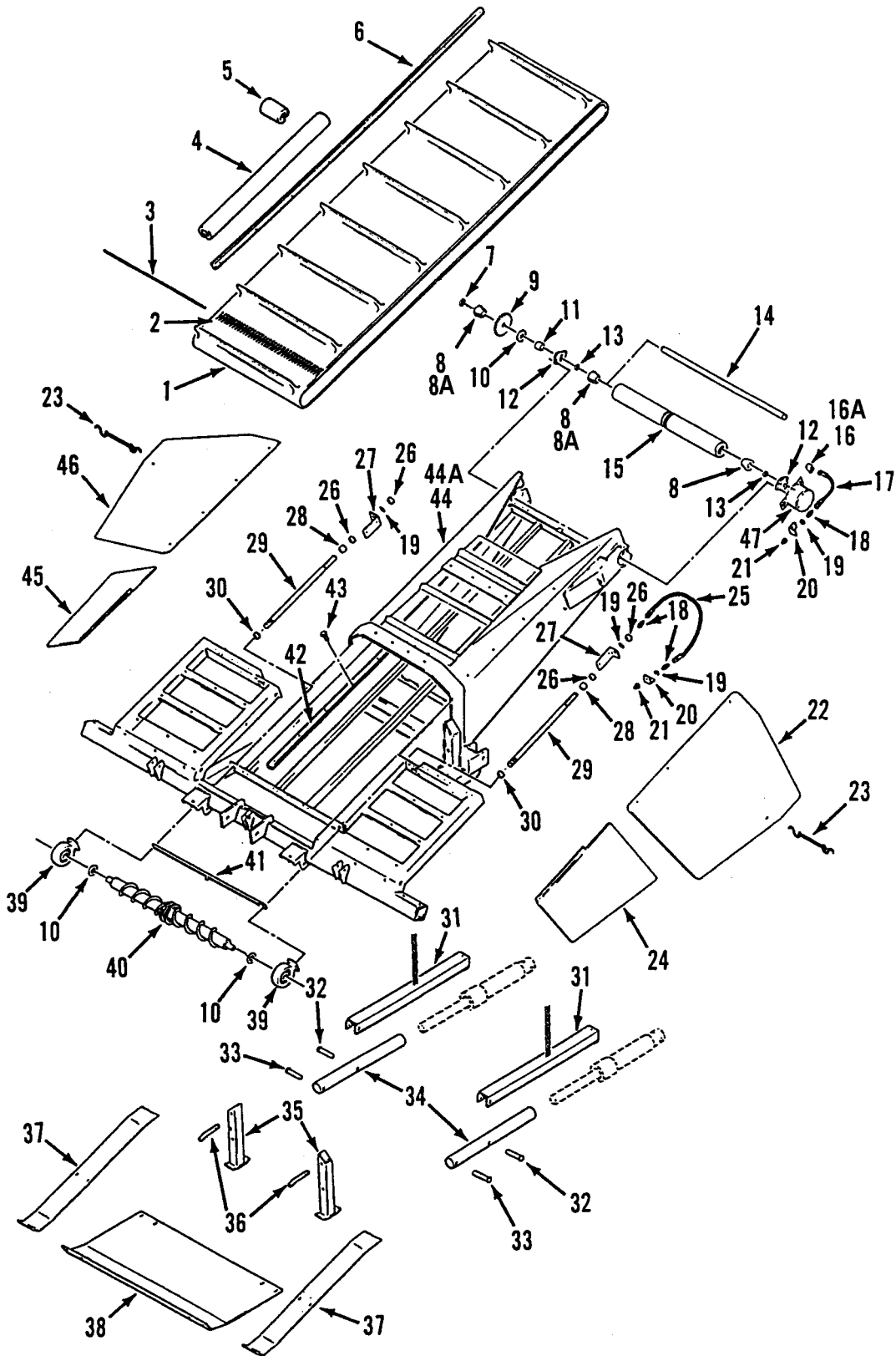
ORDERING REPAIR PARTS

The OXBO CP400 Corn Puller™ is designed and built with top quality agricultural grade components. We recommend that repair/replacement parts be obtained from one of the OXBO International Corporation dealer locations shown below. Parts ordered within the United States will be shipped via United Parcel Service (UPS) if less than 150 lbs. and by common carrier if heavier. Faster service can be provided on request. Arrangements for Canadian, Mexican and overseas shipment will be made with the customer at the time of order.

Note: Please include serial number when ordering parts. Record your serial number in the space provided.

SERIAL NUMBER

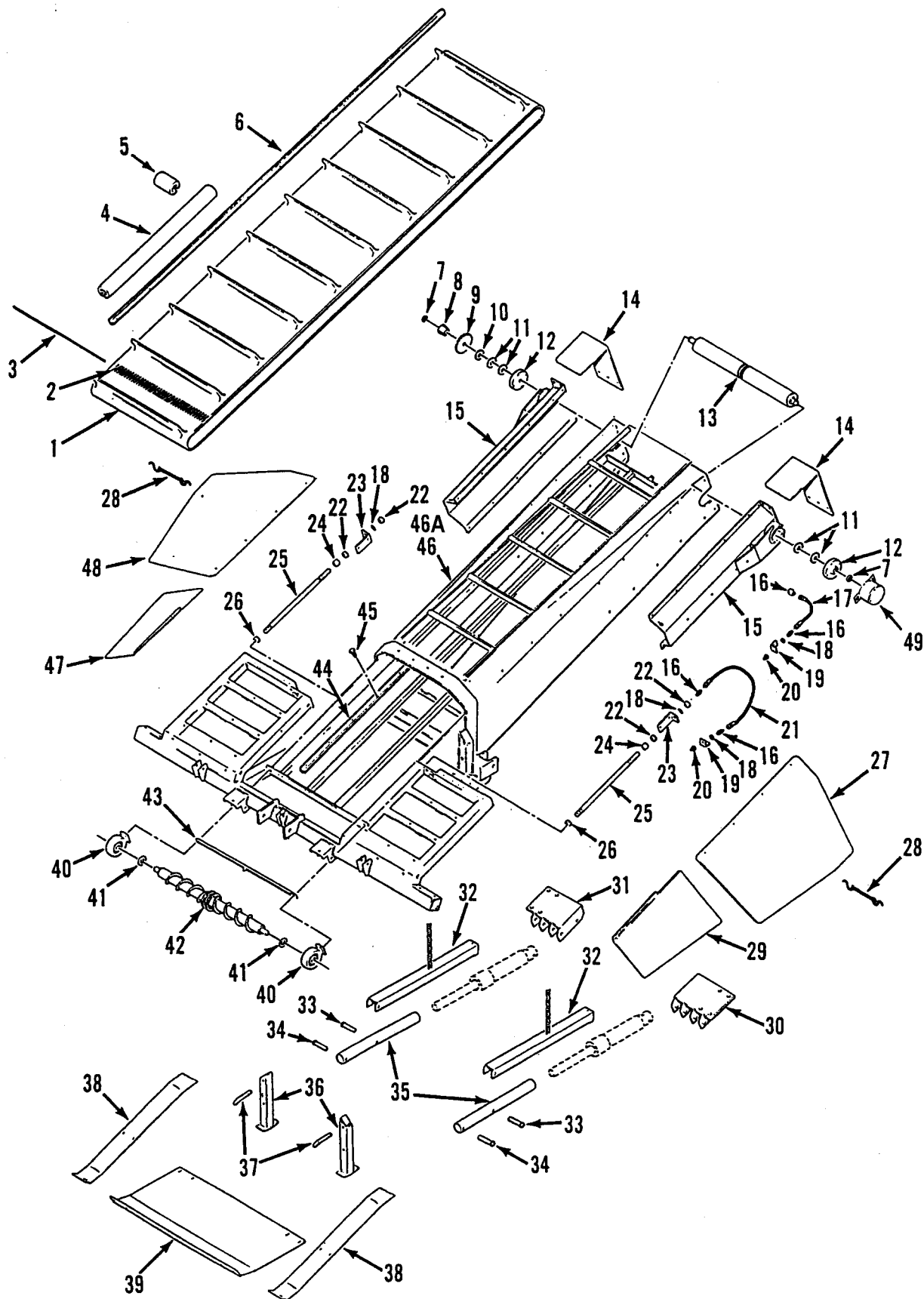
FEEDER HOUSE - BIG JACK



FEEDER HOUSE - BIG JACK

KEY	P/N	DESCRIPTION	USED
1	6050-0109	BELT, Intake Elevator 36.000 in. x 236.000 in.	1
2	1021-0136	LACING, Belt	AR
3	1021-0128	WIRE, Lacing	AR
4	1027-0121	TUBE, PVC 2.000 in. x .187 in. x 53.500	2
5	1027-0122	TUBE, PVC 2.000 in. x .187 in.	2
6	6050-0095	GUIDE, Belt - Wood	2
7	1016-0013	RING, Snap 1.250 in. x .093 in.	1
8	6004-0066	LOCK, Taper (1998 - 2001)	3
8A	50321	BUSHING (2002 - 2004)	3
9	1019-0410	SPROCKET, RC60B 20T	1
10	0002-0438	WASHER, Machine 1.250 in. x 1.875 in.	3
11	6003-0229	SPACER, 1.000 in.	1
12	1015-0138	BEARING, Flange 1.250 in. Bore	2
13	6003-0228	SPACER	2
14	6003-0226	SHAFT, Drive	1
15	6003-0221	ROLLER, Drive	1
16	6005-0096	FITTING, Hydraulic - Elbow .125 in. NPTF - .250 in. - 28-M (1998 - 2001)	2
16A	45757	FITTING, Hydraulic - Elbow .125 in. NPTF - .250 in. - 28-M (2002 - 2004)	2
17	1013-0350	HOSE, Grease 12.000 in. x .187 in. -3000 2MNPT-2MNPT	2
18	1013-0351	FITTING, Hydraulic - Hex Coupling 2NPT-FM - 2NPT-FM	6
19	0002-0002	WASHER, Flat .375 in.	6
20	6001-0770	BRACKET, Angle	4
21	1015-0027	FITTING, Grease .125 in.-27NPT	4
22	6050-1105	SKIRT, LH	1
23	6050-0262	STRAP, Bungy 19.000 in.	2
24	6050-1055	SHIELD, Rock LH	1
25	1013-0392	HOSE, Grease .187 in.-3000 2MNPT-2MNPT x 24.000 in.	2
26	0002-0237	NUT, Hex 1.000 in.- 8	4
27	6004-0380	ANGLE, Take-Up	2
28	1013-0294	BUSHING, Hex .250 in. NPT x .125 in. NPT	2
29	6004-1006	BOLT, Take-Up	2
30	0002-0393	NUT, Hex 1.000 in.-14	2
31	6001-0074	COVER, Cylinder	2
32	6050-0247	PIN, Clevis 1.000 in. x 4.250 in.	2
33	6050-0226	PIN, Clevis 1.000 in. x 5.500 in.	2
34	6050-0104	TUBE, Ram	2
35	6050-0090	STAND, Jack	2
36	6004-0113	PIN, Leg	2
37	6050-0152	GUARD, Bottom	2
38	6050-0223	SHIELD, Rock	1
39	1015-0153	BEARING, Hanger 1.250 in.	2
40	6004-0422	ROLLER, Auger	1
41	6004-0301	SCRAPER	1
42	1027-0015	LINER	8
43	0002-0512	BOLT, Flathead .375 in.- 16 x 1.250 in.	24
44	6050-3093	HOUSE, Feeder (1998)	1
44A	6050-7376	HOUSE, Feeder (1999 - 2004)	1
45	6050-1054	SHIELD, Rock RH	1
46	6050-1106	SKIRT, RH	1
47	6008-0376	BEARING, Shield	1

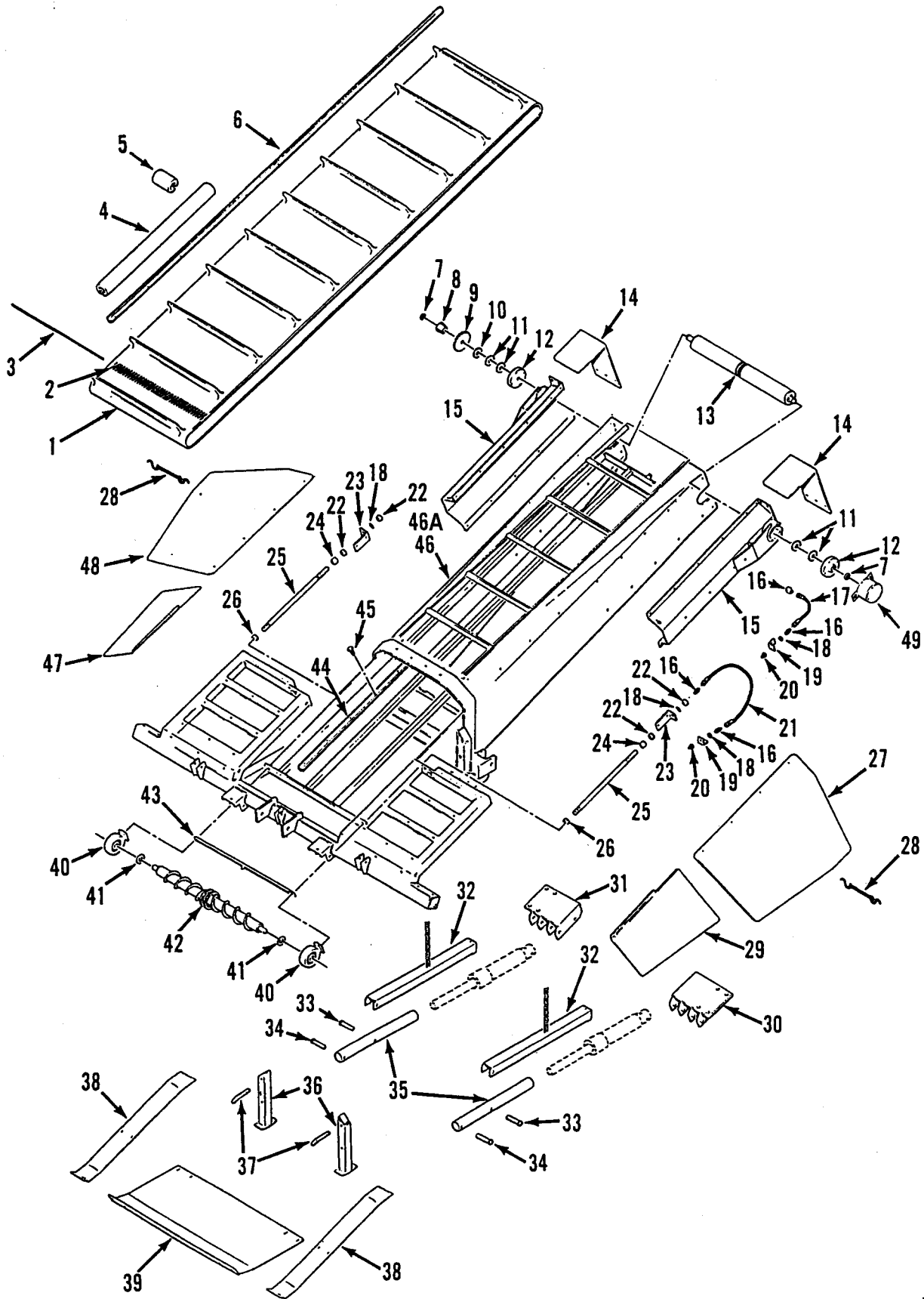
FEEDER HOUSE - SUPER JACK AND EL30



FEEDER HOUSE - SUPER JACK AND EL30

KEY	P/N	DESCRIPTION	USED
1	6050-1088	BELT, Intake Elevator 36.000 in. x 307.000 in.	1
2	1021-0136	LACING, Belt	AR
3	1021-0128	WIRE, Lacing	AR
4	1027-0121	TUBE, PVC 2.000 in. x .187 in. x 53.500 in.	2
5	1027-0122	TUBE, PVC 2.000 in. x .187 in.	2
6	6050-1076	GUIDE, Belt - Wood	2
7	1016-0016	RING, Snap 1.750 in. x .109 in.	2
8	6030-0249	LOCK, Taper 2.012 in. x 1.75 in. x 3.75 in. Keyway	1
9	6030-0251	SPROCKET, RC60B 20T	1
10	0002-0501	WASHER, Machine 1.750 in. x 2.500 in.	1
11	0002-0502	WASHER, Machine 1.750 in. x 2.500 in.	4
12	1015-0152	BEARING, Flange 4-Bolt 1.750 in.	2
13	6030-0238	WELDMENT ROLLER, Drive - Super Jack™ (1998 - 2001)	1
13A	6050-1040	WELDMENT ROLLER, Drive - Super Jack™ (2001 - 2004)	1
	6050-1085	WELDMENT ROLLER, Drive - EL30	1
14	6050-1075	CAP, End	2
	6050-1074	CAP, End - EL30	2
15	6050-1070	MOUNT, Trunnion - Super Jack™	2
	6050-1064	MOUNT, Trunnion - EL30	2
16	1013-0351	FITTING, Hydraulic Hex Coupling 2NPT-FM - 2NPT-FM	8
17	1013-0350	HOSE, Grease .187 in.- 3000-2MNPT-2MNPT x 12.000 in.	2
18	0002-0002	WASHER, Flat .375 in.	6
19	6001-0770	BRACKET, Angle	4
20	1015-0027	FITTING, Grease .125 in.-27NPT	4
21	1013-0392	HOSE, Grease .187 in.- 3000 2MNPT-2MNPT x 24.000 in.	2
22	0002-0237	NUT, Hex 1.000 in. - 8	4
23	6004-0380	ANGLE, Take-Up	2
24	1013-0294	BUSHING, Hex .250 in. NPT x .125 in. NPT	2
25	6004-1006	BOLT, Take-Up	2
26	0002-0393	NUT, Hex 1.000 in. -14	2
27	6050-1105	SKIRT, LH 37.250 in. x 30.000 in.	1
28	6050-0262	STRAP, Bungy 19.000 in.	2
29	6050-1055	SHIELD, LH	1
30	6050-1061	MOUNTING, Header Cylinder LH	1
31	6050-1060	MOUNTING, Header Cylinder RH	1
32	6001-0074	COVER, Cylinder - Super Jack™	2
33	6050-0247	PIN, Clevis 1.000 in. x 4.250 in.	2
	7003-0071	COVER, Cylinder - EL30	2
34	6050-0226	PIN, Clevis 1.000 in. x 5.500 in.	2
35	6050-1083	TUBE, DOM - Super Jack™	2
	6050-0103	TUBE, RAM - EL30	2
36	6050-0090	JACK STAND	2
37	6004-0113	PIN, Leg	2
38	6050-0152	GUARD, Bottom	2
39	6050-0223	SHIELD, Rock 40.000 in. x 24.000 in.	1
40	1015-0153	HANGER, Bearing 1.250 in.	2
41	0002-0438	WASHER, Machine 1.875 in. x 1.250 in.	4
42	6004-0422	ROLLER, Auger	1
43	6004-0301	SCRAPER	1
44	1027-0125	LINER, UHMW	12
45	0002-0512	BOLT, Flathead .375 in. - 16 x 1.250 in.	36
46	6050-3092	HOUSE, Feeder - Super Jack™ and EL30 (1998)	1
46A	6050-7374	HOUSE, Feeder - Super Jack™ and EL30(1999 - 2004)	1

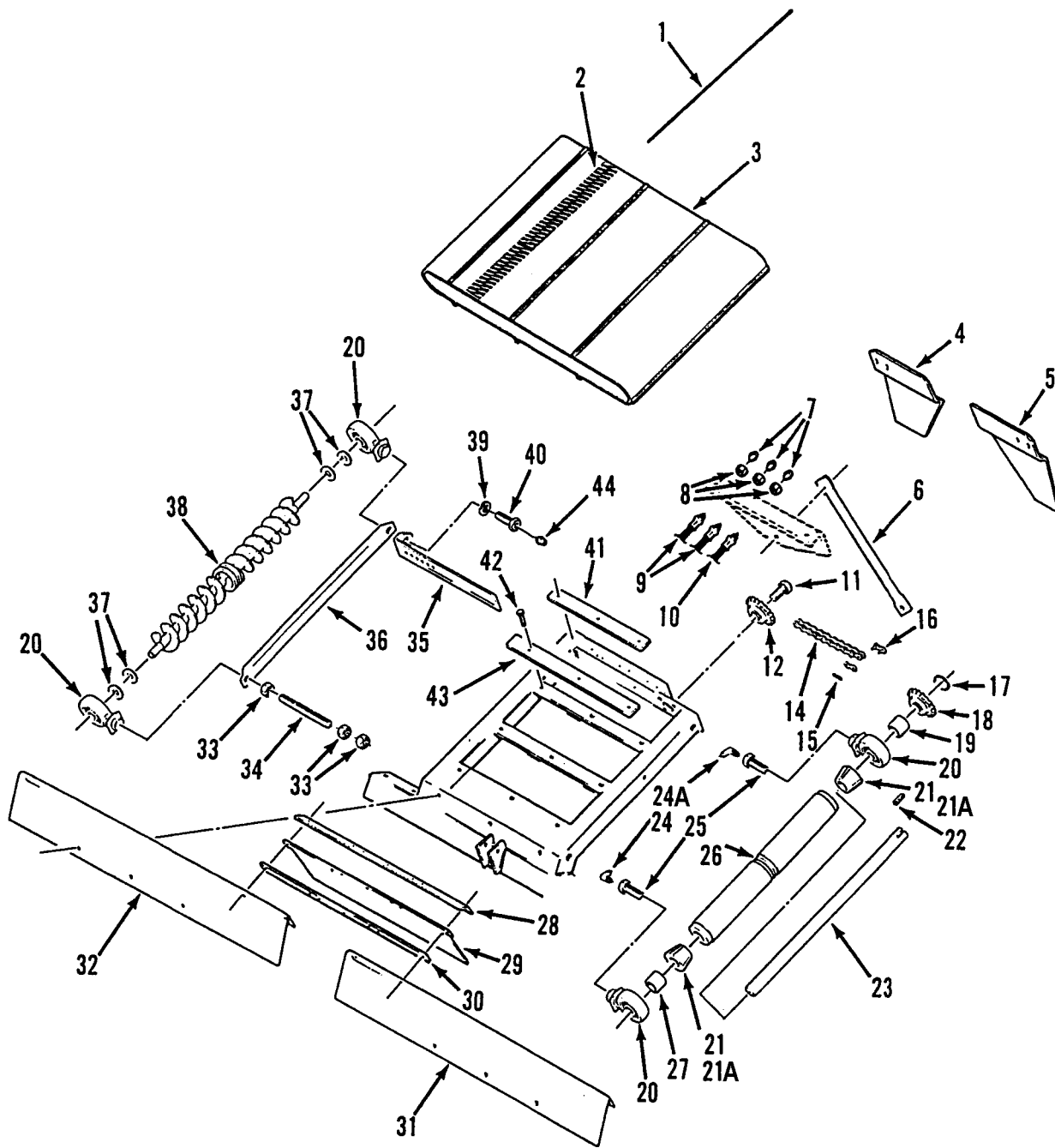
FEEDER HOUSE - SUPER JACK AND EL30



FEEDER HOUSE - SUPER JACK AND EL30

KEY	P/N	DESCRIPTION	USED
47	6050-1054	SHIELD, RH	1
48	6050-1106	SKIRT, RH	1
49	6008-0372	BEARING, Shield	1

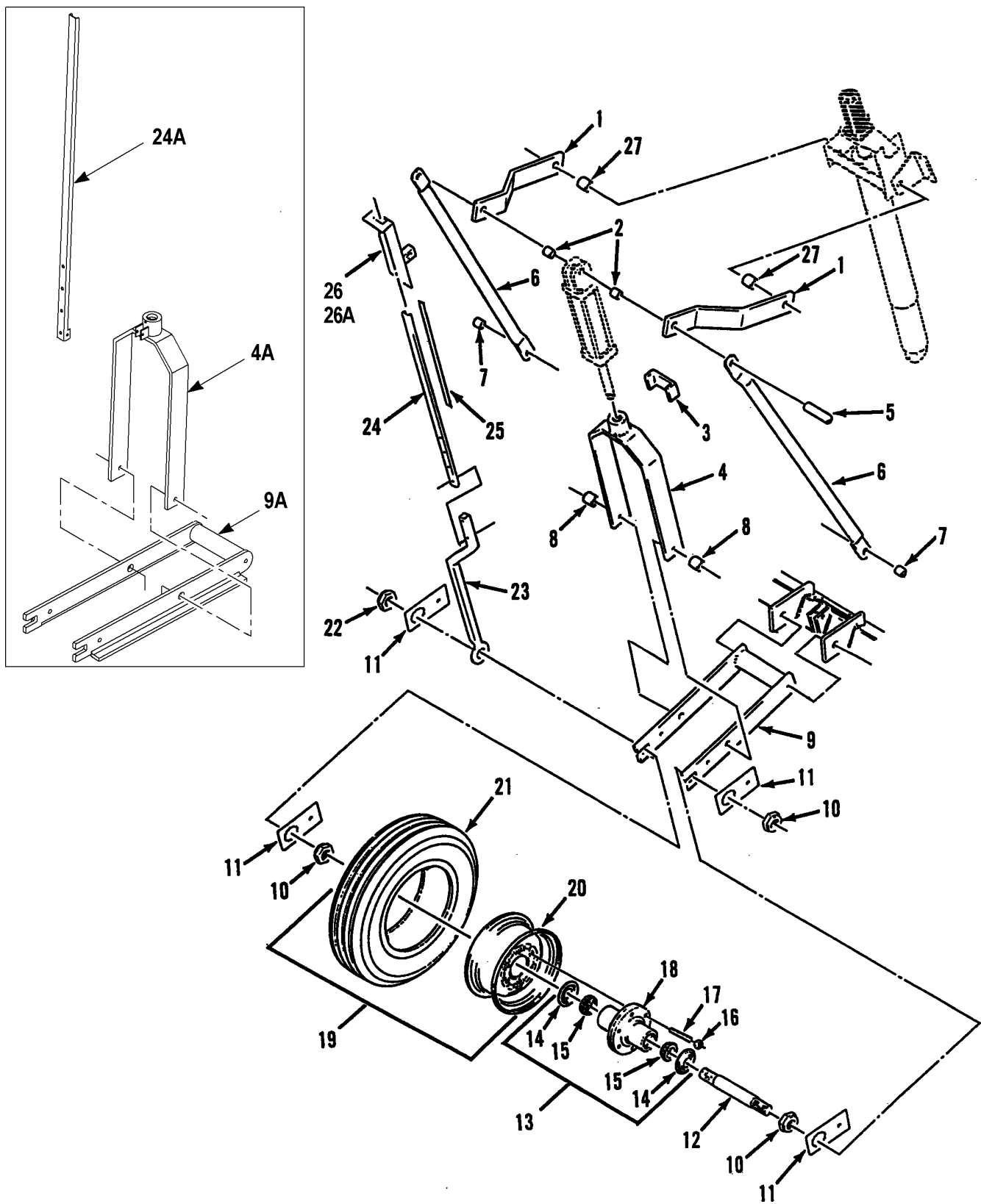
CROSS CONVEYORS



CROSS CONVEYORS

KEY	P/N	DESCRIPTION	USED
1	1021-0128	LACING, Wire	AR
2	1021-0136	BELT, Lacing	AR
3	6050-1111	BELT, Cross Conveyor 30.000 in. x 91.000 in.	2
4	6050-0314	SHIELD, Rear Cross Conveyor RH	1
5	6050-0313	SHIELD, Rear Cross Conveyor LH	1
6	6050-1036	TUBE, Wall Brace	2
7	1015-0027	FITTING, Grease	6
8	1013-0351	FITTING, Hydraulic - Elbow Hex Coupling 2NPT-FM -2NPT-FM	6
9	1013-0415	HOSE, Grease .187 in. - 3000 2MNPT -2MNPT x 48.000 in.	4
10	1013-0393	HOSE, Grease .187 in. - 3000 2MNPT-2MNPT x 36.000 in.	2
11	0002-0073	BOLT, Hex .250 in. - 20 x .750 in.	2
12	1019-0062	SPROCKET, RC50B 18T 1.000 in. Bore	2
13	-----	(Not Assigned)	2
14	1019-0571	CHAIN, Roller	2
15	1021-0043	LINK, Connector RC50	2
16	1019-0213	LINK, Connector RC50 Offset	4
17	1016-0013	RING, Snap 1.250 in. x .093 in.	2
18	1019-0213	SPROCKET, RC50B 18T 1.250 in. Bore	2
19	6003-0230	SPACER	2
20	1015-0153	BEARING, Hanger	8
21	6004-0066	LOCK, Taper (1998 - 2002)	4
21A	50321	LOCK, Taper (2002 - 2004)	4
22	1006-0093	KEY, .250 in. x .250 in. x 1.500 in.	2
23	6050-1039	SHAFT, Drive 1.250 in.	2
24	6005-0096	FITTING, Hydraulic - Elbow .125 in. NPT-FM .250 in.- 28-M (1998 - 2002)	4
24A	45757	FITTING, Hydraulic - Elbow .125 in. NPT-FM .250 in.- 28-M (2002 - 2004)	4
25	6050-1095	BOLT, Cross Conveyor	4
26	6050-1040	ROLLER, Drive	2
27	6003-0229	SPACER	2
28	6050-1112	SEALER, Front	1
29	6050-1058	FLAP, Rubber .187 in. x 10.000 in. x 33.500 in.	1
30	6050-0125	SEALER, Front	1
31	6050-3101	SHIELD, LH	1
32	6050-3100	SHIELD, RH	1
33	0002-0393	NUT, Hex 1.000 in. -14	6
34	6050-1093	ROD, Threaded 1.000 in. -14	2
35	6050-0312	TIGHTNER, Belt RH	1
	6050-0311	TIGHTNER, Belt LH	1
36	6050-1097	SCRAPER	2
37	0002-0438	WASHER, Machine 1.250 in. x 1.875 in.	8
38	6050-1099	ROLLER, Idler - Auger	2
39	0002-0268	WASHER, Split Lock	2
40	6050-0319	BOLT, Bearing - Hex 1.000 in. -14 x 1.500 in.	2
41	1027-0120	RUNNER, Belt UHMW	2
42	0002-0512	BOLT, Flathead .375 in. -16 x 1.250 in.	24
43	1027-0119	RUNNER, Belt UHMW	6
44	0002-0275	FITTING, Grease .250-28 Straight	2

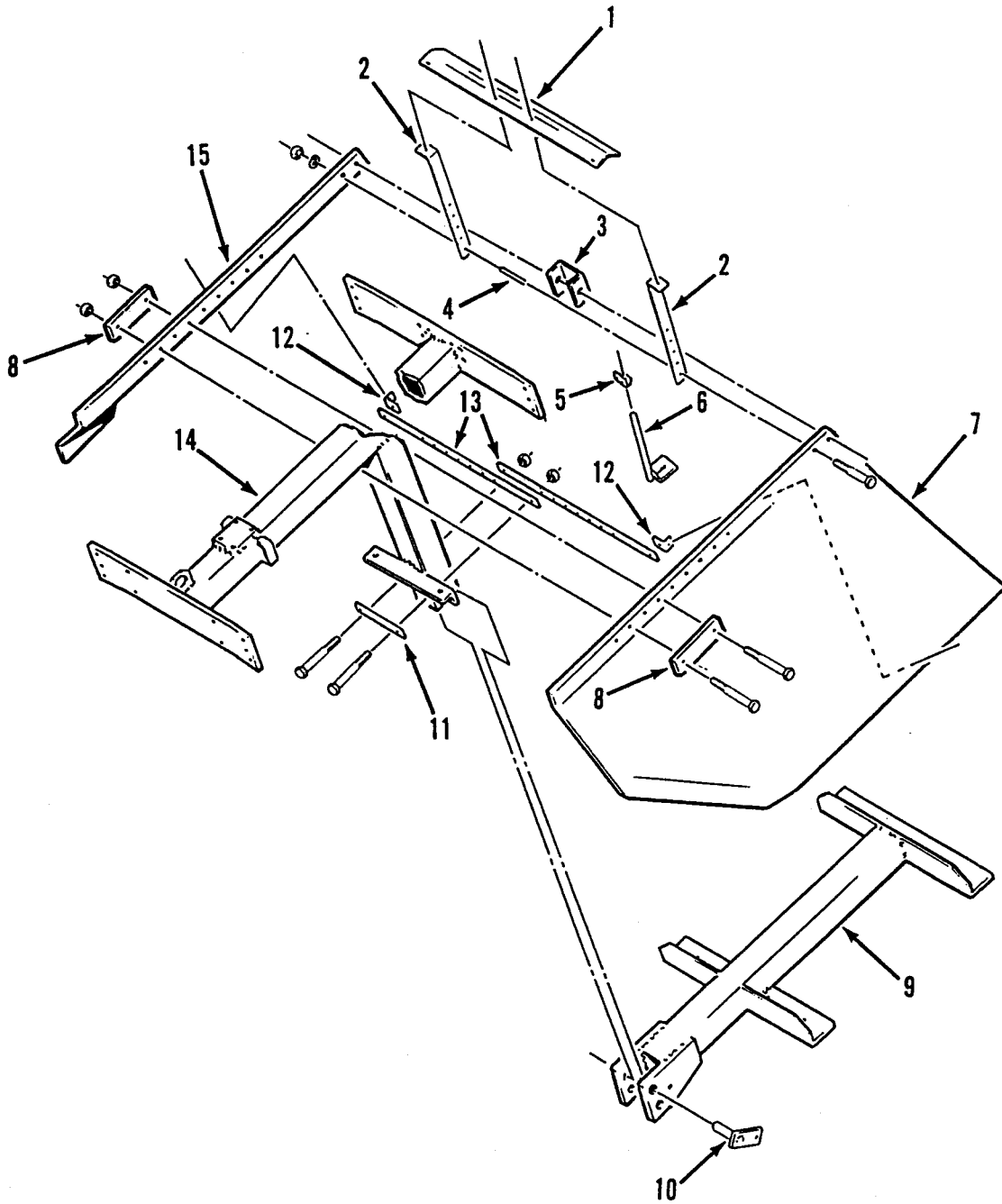
GAUGE WHEEL



GAUGE WHEEL

KEY	P/N	DESCRIPTION	USED
1	6050-3005	A-FRAME	2
2	6050-3007	BUSHING, Spacer 1.000 in.	2
3	6050-1107	STOP, Cylinder 5.500 in. x 1.500 in	1
4	6050-3003	FORK (1998)	1
4A	6050-7356	FORK (1999 - 2004)	1
5	6050-3006	PIN, Cylinder - Hydraulic	1
6	6050-3025	STRUT	2
7	6050-3026	BUSHING, Step - Fork	2
8	6050-0154	BUSHING	2
9	6050-3001	FORK (1998)	1
9A	6050-7352	FORK (1999 - 2004)	1
10	6050-0057	NUT, Jam 1.250 in. -12	3
11	6050-0058	PLATE, Keeper 3.000 in. x 5.750 in.	4
12	6050-0056	SPINDLE	1
13	6050-0059	HUB, Straddle	1
14	1015-0105	SEALS	2
15	1015-0244	BEARING, Inside	2
16	1012-0081	NUT, Lug .500 in. -20	5
17	6050-2070	BOLTS, Studs	5
18	1015-0247	HUB, With Studs	1
19	6050-0197	ASSEMBLY, Tire - Corn Puller™	1
20	6050-0116	RIM, Wheel 15.000 in. 5-Bolt, 5 ft. 5 in. B.C., 4 in. Pilot	1
21	6050-0117	TIRE, Tubless Implement 7.600 in. x 15.000 in. x 8-Ply	1
22	6050-3060	NUT, Jam - Modified, Pixall® #6050-0057	1
23	6050-3059	SUPPORT, Gauge (1998)	1
24	6050-0253	STICK, Gauge (1998)	1
24A	6050-7355	STICK, Gauge (1999 - 2004)	1
25	3000-0339	DECAL, Gauge Wheel	1
26	6050-3063	GUIDE (1998)	1
26A	6050-7358	GUIDE (1999 - 2004)	1
27	6050-3064	SPACER 1.00 OD x .530 ID x 1.00 long	2

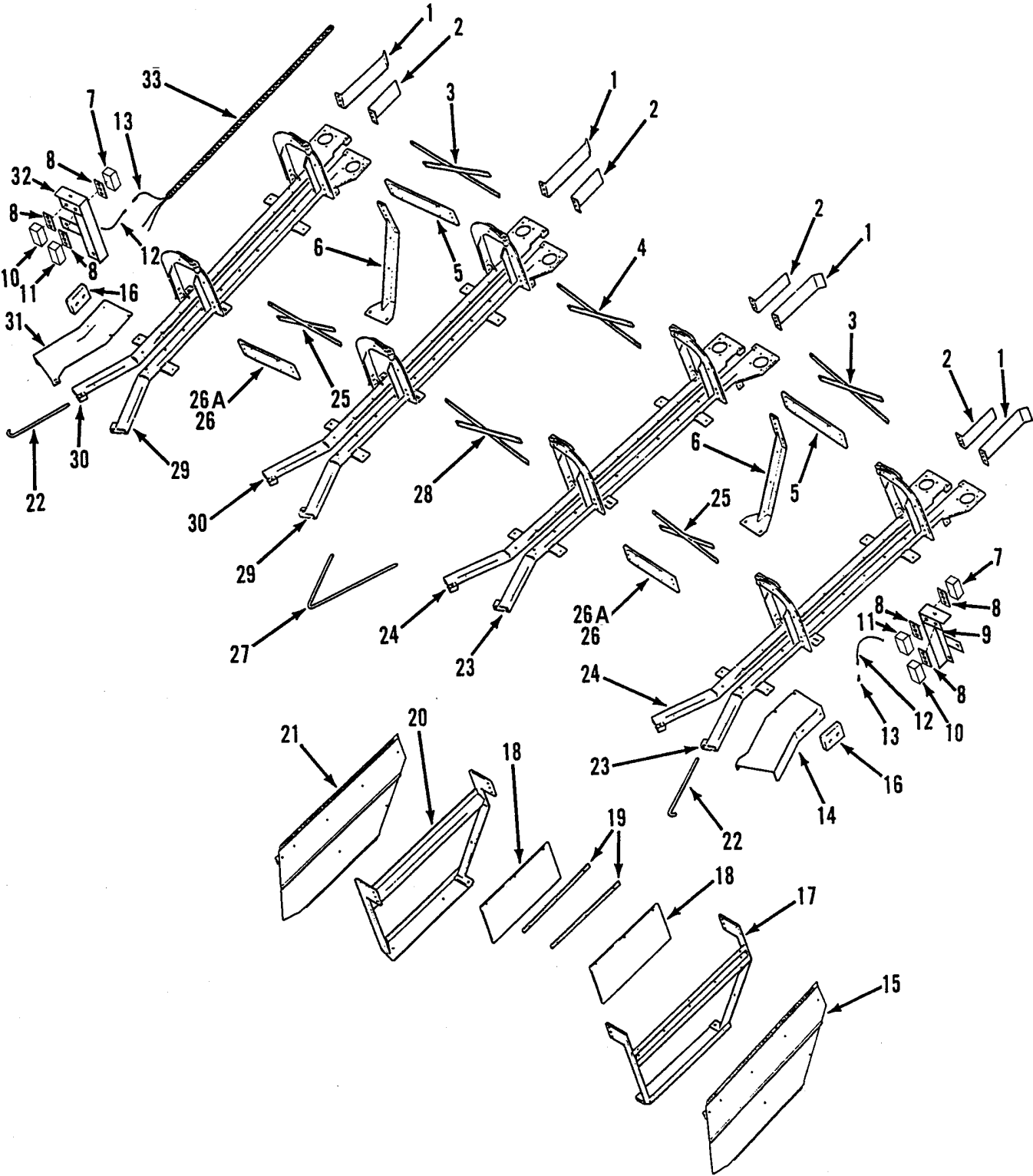
UPRIGHT



UPRIGHT

KEY	P/N	DESCRIPTION	USED
1	6050-0092	CARRIER, Hose 5.500 in. x 30.000 in.	1
2	6050-3068	HANGER	2
3	6050-0183	CHANNEL, Carrier Hose	1
4	6050-3067	SPACER	1
5	6050-3080	GUIDE	1
6	6050-3083	STABILIZER	1
7	6050-0178	WING, 52.000 in. RH	1
8	6050-0180	CLAMP, Flat 6.500 in.	2
9	6050-3037	BEAM, Mounting	1
10	6050-3034	PIN, Pivot	1
11	6050-3069	BRACKET, Flat	1
12	6050-0182	BRACKET, Gauge Angle	4
13	6050-0181	SPREADER, Flat 20.000 in.	4
14	6050-3030	FRAME, Upright	1
15	6050-0179	WING, 52.000 in. LH	1

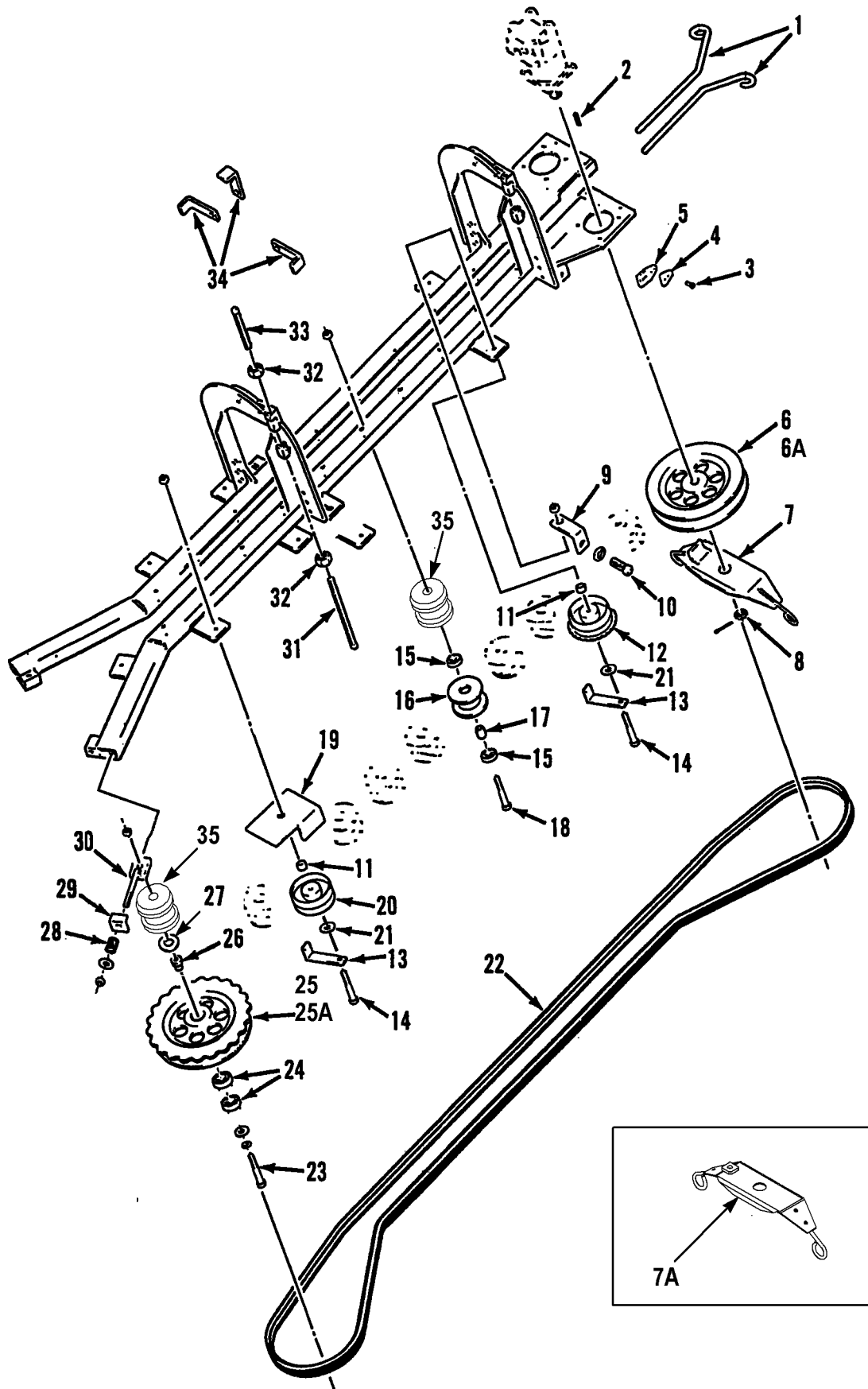
BELT FRAME ASSEMBLY



BELT FRAME ASSEMBLY

KEY	P/N	DESCRIPTION	USED
1	6050-0150	SHIELD, Pulley - Outside	4
2	6050-0149	SHIELD, Pulley - Inside	4
3	6050-1052	STRAP, Flat - Rear Outside	4
4	6050-0161	STRAP, Flat - Rear 32.250 in.	2
5	6050-1050	ARM, Cross - Flat, Rear	2
6	6050-1028	ARM, Stripper Roller	2
7	1040-1150	LIGHT, Red	2
8	1040-1160	GASKET	6
9	6007-0891	BRACKET, Light RH	1
10	1040-1149	LIGHT, White	2
11	1040-1151	LIGHT, Amber	2
12	1040-0913	TERMINAL, Male	4
	1040-0917	SEALS	4
13	1040-0910	CONNECTOR	4
14	6050-0213	SHIELD, Idler LH	1
15	6050-3071	SHIELD, LH	1
16	6050-0307	SPACER	2
17	6050-1025	FRAME, Side LH	1
18	6050-0142	DRAPER, Belt	2
19	6050-0143	STRIP, Back-Up	2
20	6050-1024	FRAME, Side RH	1
21	6050-3070	SHIELD, RH	1
22	6050-0097	POINT, Outside	2
23	6050-0025	FRAME, Belt - Outside LH	2
24	6050-0022	FRAME, Belt - Inside RH	2
25	6050-1051	STRAP, Flat - Front Outside	4
26	6050-1031	ARM, Cross - Flat, Outside (1998)	2
26A	6050-7338	ARM, Cross - Flat Outside (1999 - 2004)	2
27	6050-0096	POINT, Inside	3
28	6050-0157	STRAP, Flat - Front	2
29	6050-0023	FRAME, Belt - Inside LH	2
30	6050-0024	FRAME, Belt - Outside RH	2
31	6050-0212	SHIELD, Idler RH	1
32	6007-0890	BRACKET, Light RH	1
33	1040-1163	HARNESS, Lights and Tachometer	1

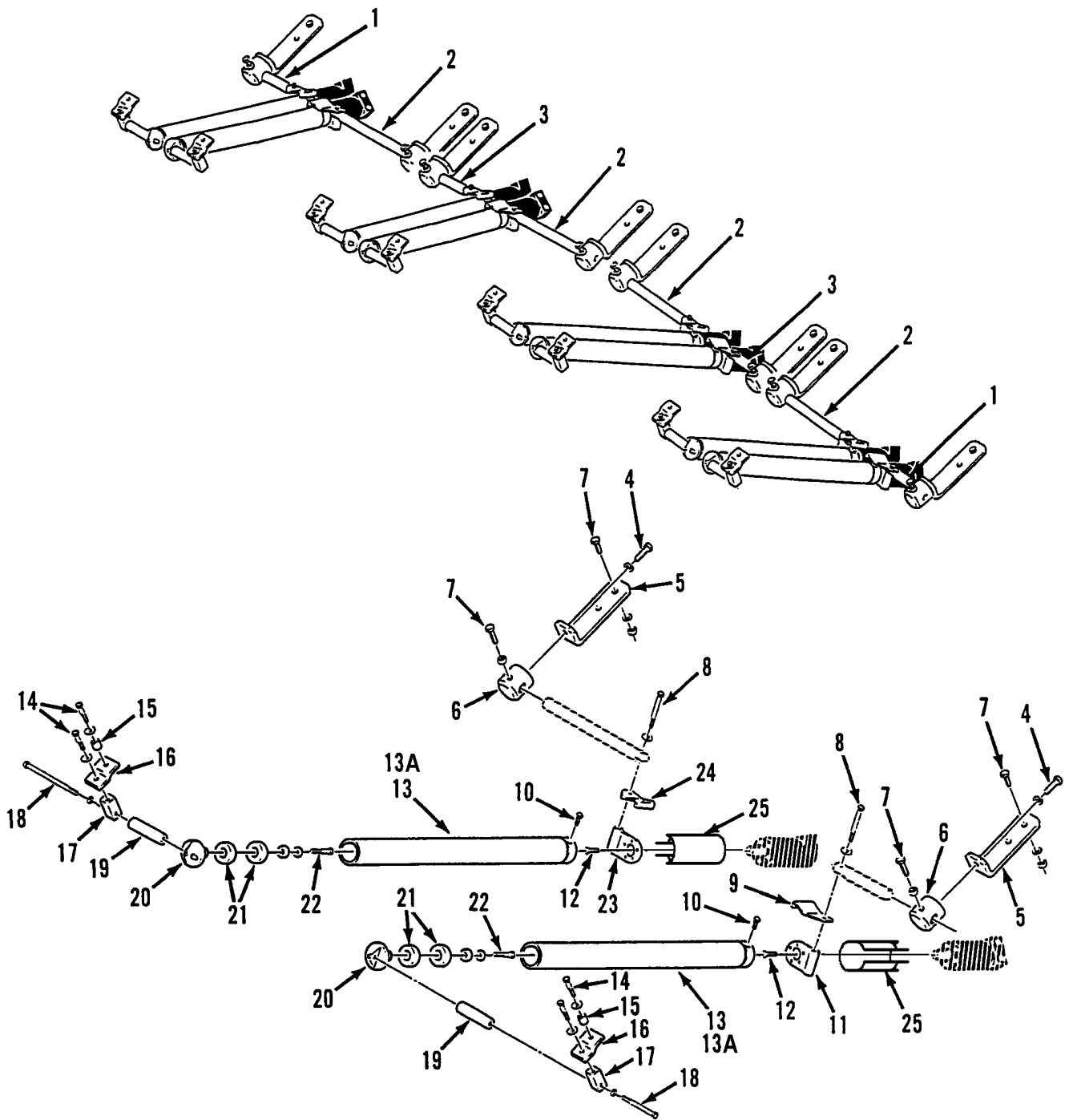
V-BELT ASSEMBLY



V-BELT ASSEMBLY

KEY	P/N	DESCRIPTION	USED
1	6050-0093	ROD, Guide	8
2	1006-0175	KEY, .313 in. x 1.000 in.	8
	6050-0094	SCRAPER, Pulley	8
3	0002-0369	RIVET, Pop .187 in. x .625 in.	16
4	1027-0118	POINT, UHMW	8
5	6050-0124	FLAT, Hydraulic Mounting	8
6	6050-0005	SHEAVE, Driver (1998)	8
6A	6050-7380	SHEAVE, Driver (1999-2004)	8
7	6050-3097	SPINNER, Corn Stalk (1998 - 1999)	4
7A	6050-7383	SPINNER, Corn Stalk (2000 - 2004)	4
8	0002-0854	NUT, Castle 1.000 in. -20	8
9	6050-0129	FLAT, Tachometer Mounting	1
10	6020-1195	SENSOR, Magnetic	1
11	9001-0110	SPACER	24
12	6050-0196	IDLER, Tachometer	1
13	6050-0175	PLATE, Arm	16
14	0002-0146	BOLT, Hex .500 in. -13 x 3.250 in.	24
15	6050-0172	BEARING	168
16	6050-0171	PULLEY, Idler	84
17	6050-3064	SPACER, Roller	84
18	0002-0151	BOLT, Hex .500 in. -13 x 5.000 in.	80
19	6050-3132	SHIELD, Idler RH	12
	6050-3131	SHIELD, Idler LH	11
20	6050-0160	IDLER, Flat .500 in. x 2.000 in. x 5.000 in.	23
21	6050-0174	WASHER, 1.375 in. dia.	24
22	6050-0110	V-BELT, Hydraulic Motor	8
23	0002-0146	BOLT, Hex .500 in. -13 x 3.250 in.	8
24	6001-0707	BEARING	16
25	6050-0003	SHEAVE, Driven (1998)	8
25A	6050-7360	SHEAVE, Driven (1999 - 2004)	8
26	6050-0004	BUSHING, Belt Idlers	8
27	1027-0123	WASHER, UHMW	8
28	1025-0006	SPRING	8
29	6050-0018	PLATE, Tightener	8
30	6050-0020	WELDMENT, Take-Up	8
31	0002-0873	SCREW, Set .625 in. -11 x 4.000 in.	8
32	0002-0326	NUT, Hex .625 in. -11	8
33	0002-0856	SCREW, Set - Square Head .625 in. -11 x 3.000 in.	8
34	6050-3046	CLAMP, Hose	14

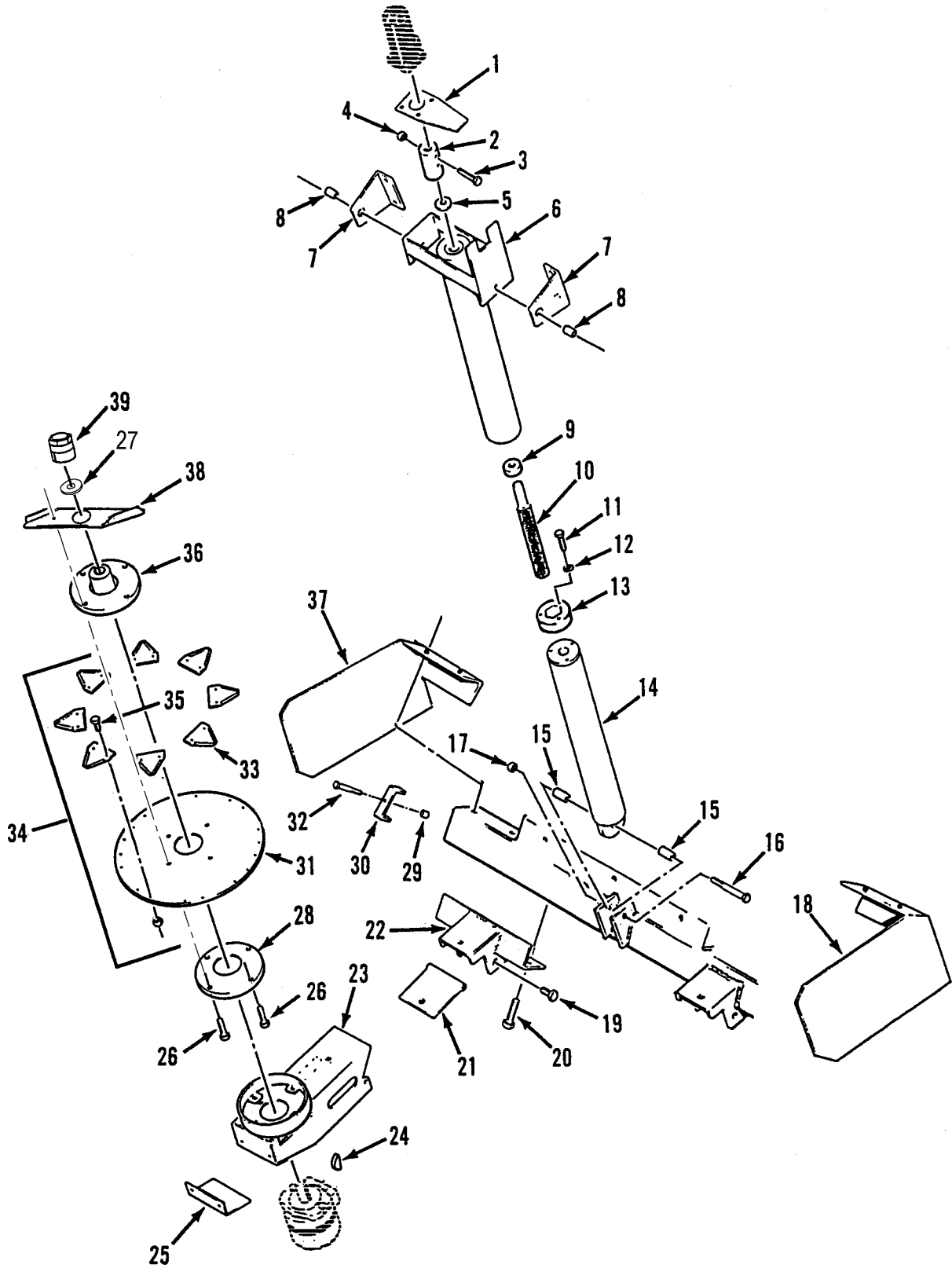
STRIPPER ROLLERS



STRIPPER ROLLERS

KEY	P/N	DESCRIPTION	USED
1	6050-0101	BAR, Stripper - Short	2
2	6050-0100	BAR, Stripper - Long	4
3	6050-3065	BAR, Stripper - Medium	2
4	0002-0026	BOLT, Hex .500 in. -13 x 1.000 in.	8
5	6050-3056	ADJUSTER, Angle	8
6	6050-0015	CLAMP	8
7	0002-0371	BOLT, Hex .500 in. -13 x 1.250 in.	16
8	0002-0146	BOLT, Hex .500 in. -13 x 3.250 in.	8
9	6050-0221	WIPER, Grass LH	4
10	0002-0808	BOLT, Socket Head .312 in. -18 x .750 in.	8
11	6050-0306	PLATE, Motor RH	4
12	0002-0833	BOLT, Flathead Socket .250 in. -28 x .500 in.	40
13	6050-0121	ROLLER, Stripper (1998)	8
13A	6050-7364	ROLLER, Stripper (1999 - 2004)	8
14	0002-0656	BOLT, Hex .500 in. -13 x 2.250 in.	8
15	6050-3064	SPACER	8
16	6050-0315	BRACKET, Angle	8
17	6050-3066	POST, Adjusting	8
18	0002-0847	BOLT, Hex .500 in. -20 x 6.000 in.	8
19	6050-0011	SPACER	8
20	6050-0010	BULLNOSE	8
21	6001-0707	BEARING, Ridal	16
22	0002-0391	BOLT, Hex .500 in. -20 x 1.000 in.	8
23	6050-0305	PLATE, Motor LH	4
24	6050-0222	WIPER, Grass RH	4
25	6050-7368	MOTOR COVER	8

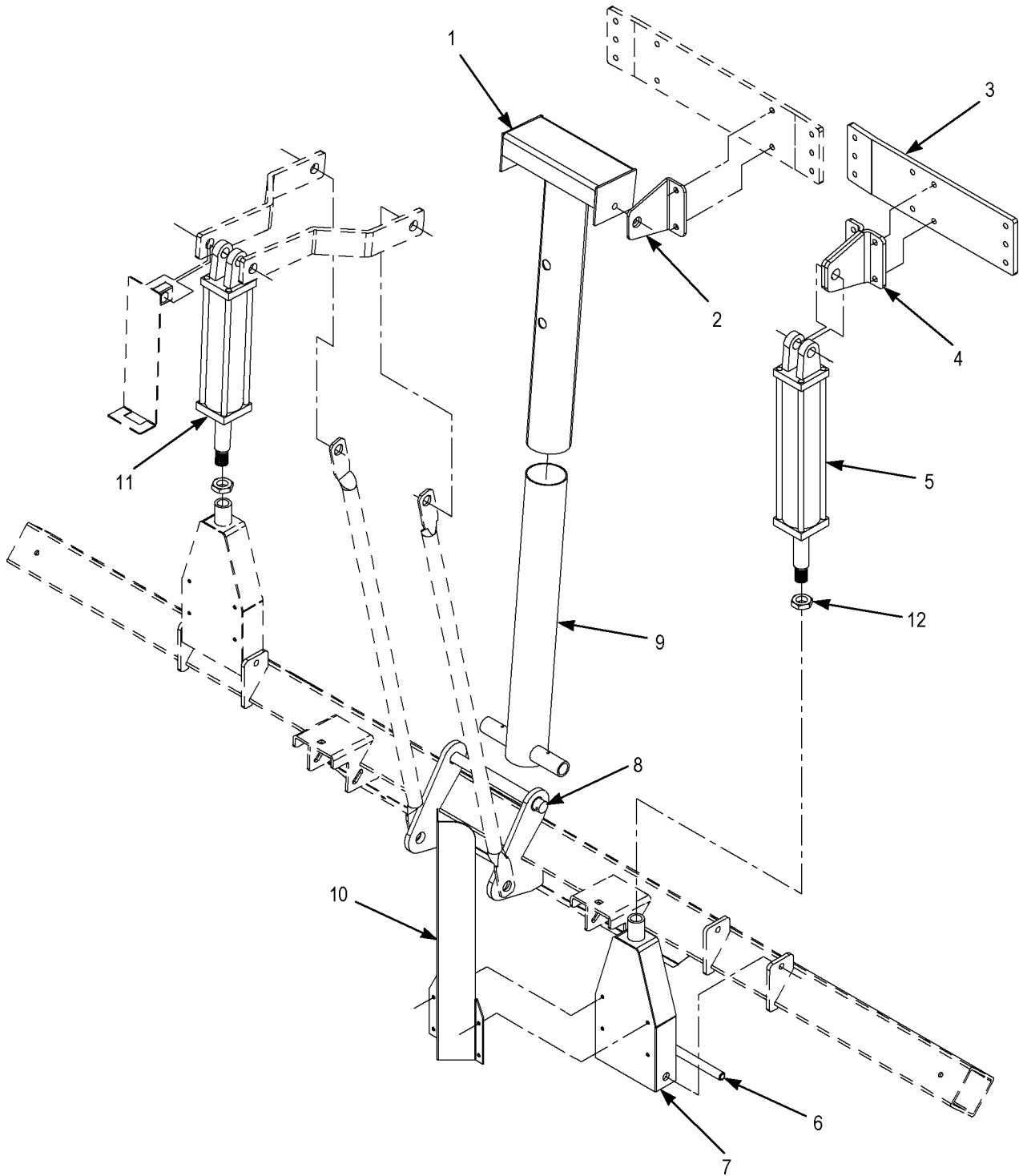
CUTTER AND SCREW JACK ASSEMBLIES



CUTTER AND SCREW JACK ASSEMBLIES

KEY	P/N	DESCRIPTION	USED
	6050-3087	ASSEMBLY, Screw Jack (1998)	3
1	6050-3008	ARM, Torque (1998)	3
2	6050-3023	COUPLING (1998)	3
3	0002-0116	BOLT, Hex 2.500 in. x .375 in. -16 (1998)	6
4	0002-0036	NUT, Flex Lock (1998)	6
5	6050-3027	WASHER, Thrust 1.003 in. ID x 2.005 in. OD x .125 in. (1998)	3
6	6050-3016	END, Cylinder (1998)	3
7	6050-3029	ANGLE, Mounting (1998)	6
8	6050-3024	SPACER, Roller - Top Outside (1998)	4
9	6050-3020	BEARING, Thrust 1.000 in. ID x 1.968 in. OD x .625 in. (1998)	3
10	6050-3009	SCREW (1998)	3
11	0002-0117	BOLT, Hex .375 in. -16 x 2.750 in. (1998)	9
12	0002-0261	WASHER, S-Lock (1998)	9
13	6050-3022	NUT (1998)	3
14	6050-3013	END, Rod (1998)	3
15	6050-3012	BUSHING, Lower Outside .500 in. x 2.000 in. (1998)	2
16	0002-0146	BOLT, Outside .500 in. -13 x 3.250 in. (1998)	2
	0002-0141	BOLT, Inside .500 in. -13 x 2.000 in.	1
17	0002-0250	NUT, Small Flag .500 in. -13	3
18	6050-3054	GUARD, Cutter LH	1
19	0002-0371	BOLT, Hex .500 in. -13 x 1.250 in.	8
20	0002-0151	BOLT, Hex .500 in. -13 x 5.000 in.	4
21	6050-3109	WEDGE, Mower	4
22	6050-3074	MOUNT, Cutter - Outside	2
23	6050-3090	MOUNT, Cutter Motor	4
24	6050-1126	KEY, Woodruff	4
25	6050-3094	SKID	4
26	0002-0874	BOLT, .375 in. -16 x 1.500 in.	16
27	6050-7287	WASHER, CP Cutter (1999-2004)	4
28	6050-1129	DISK, Anti-Wrap	4
29	7001-0391	SPACER, 1/2 in. x 1 in.	2
30	6002-0095	CLAMP, Tube	2
31	6050-1132	DISC, Cutter	4
32	0002-0114	BOLT, 3/8 in. x 2 in.	2
33	6050-0169	BLADE, Sickle	32
34	6050-7115	ASSEMBLY, Mower Disk	4
35	98906	SICKLE BOLT	64
	98907	SICKLE NUT	64
36	6050-1127	HUB, Cutter Disc	4
37	6050-3053	GUARD, Cutter RH	1
38	6050-1130	FLIPPER, RH	2
	6050-1131	FLIPPER, LH	2
39	0001-0191	BUSHING, Trantorque® 1.00 in. ID	4

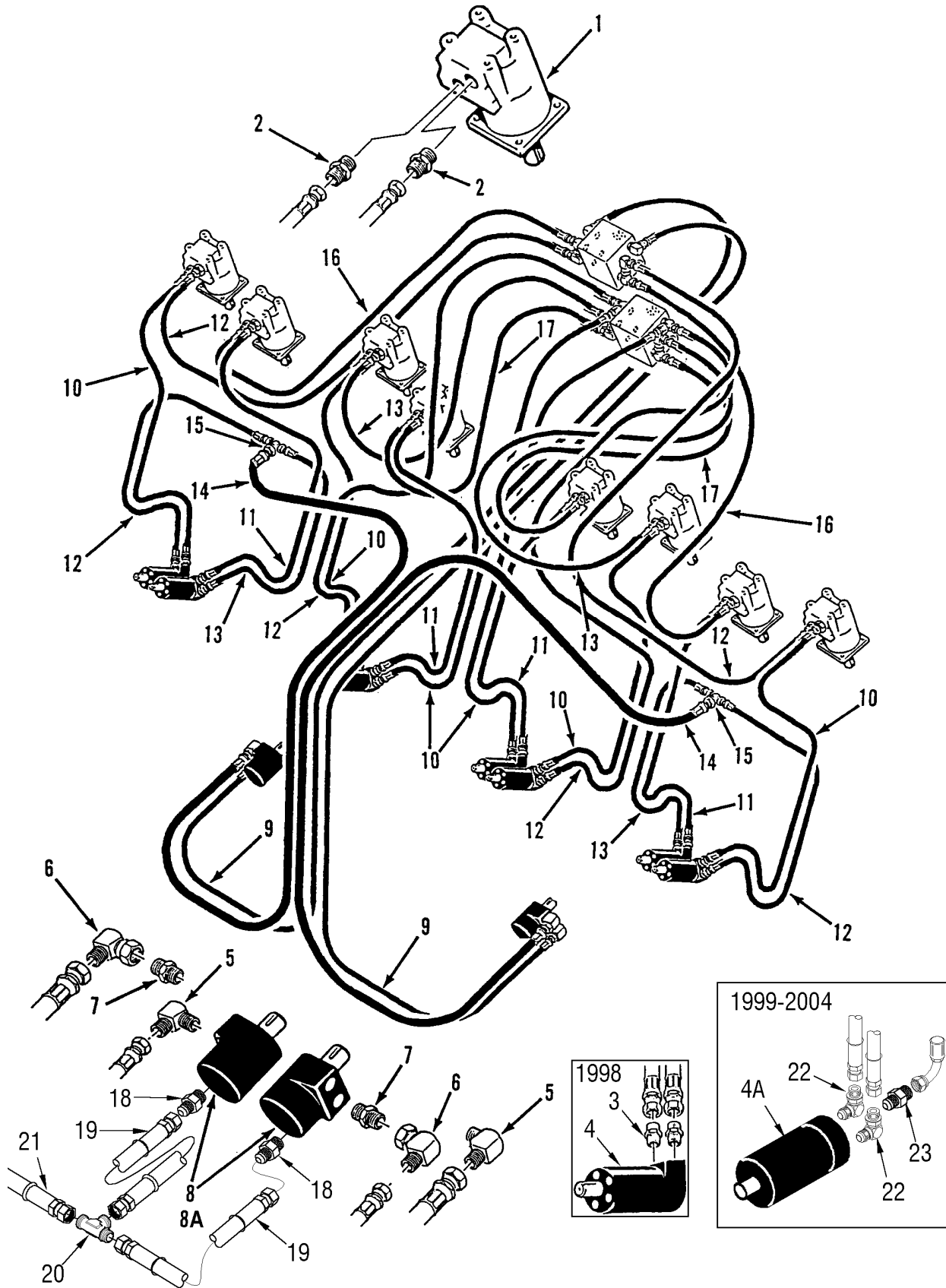
CYLINDERS, 1999 - 2004



CYLINDERS, 1999 - 2004

KEY	P/N	DESCRIPTION	USED
1	6050-7345	WELDMENT, Upper Stabilizer	1
2	6050-3029	ANGLE, Mounting	2
3	6050-7038	ARM, Cross, Outside	2
4	6050-7351	MOUNT, Upper Cylinder	4
5	44665	CYLINDER, 2-1/2 x 12	1
6	6050-7343	PIN, Lower Cylinder	2
7	6050-7348	MOUNT, Lower Cylinder	2
8	6050-7344	PIN, Stabilizer	1
9	6050-7340	WELDMENT, Lower Stabilizer	1
10	6050-7339	COVER, Cylinder	2
11	44666	CYLINDER, 2-3/4 x 12	1
12	93495	NUT HEX 1-1/8 - 12	2

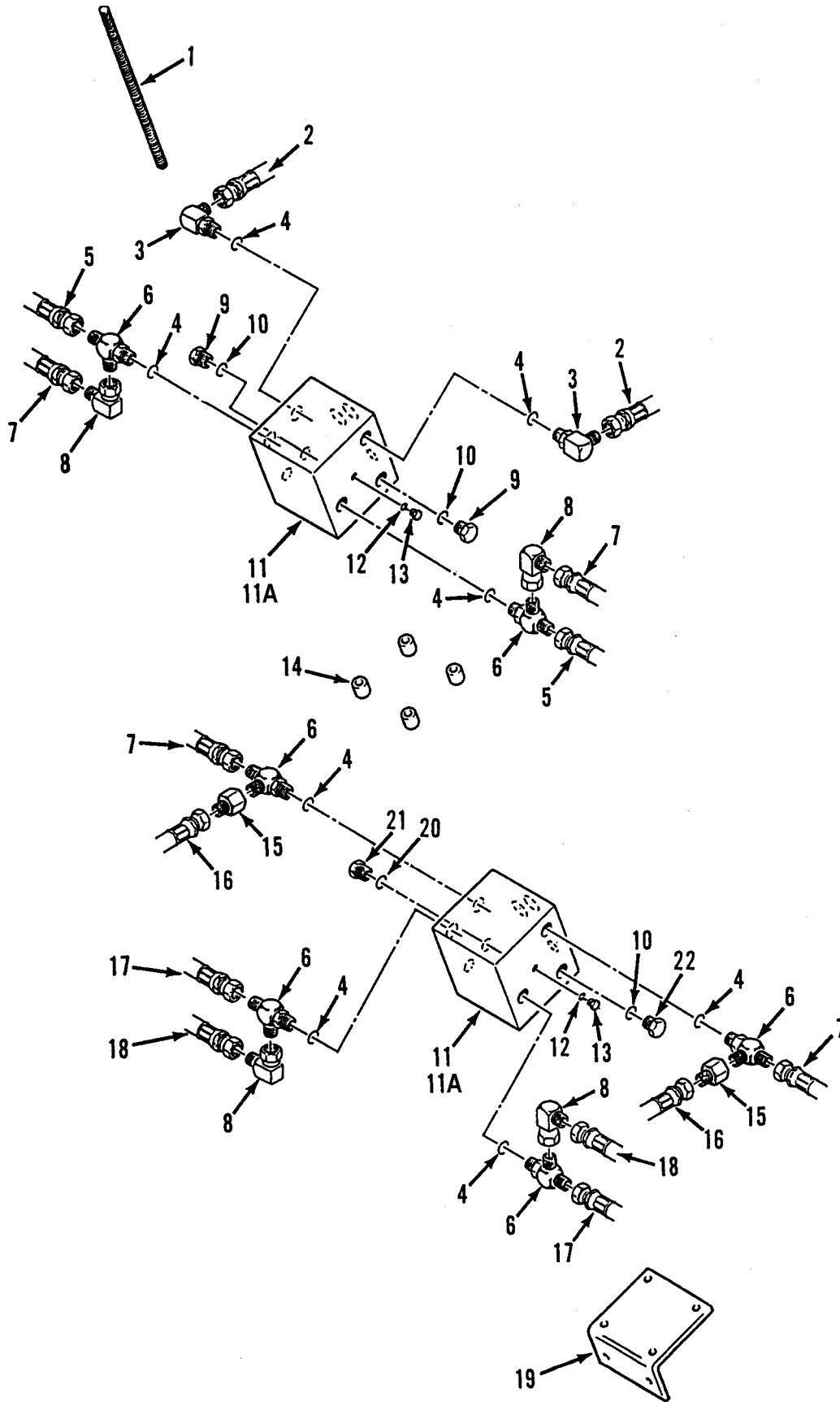
HYDRAULICS - CROSS CONVEYOR, V-BELT & STRIPPER MOTORS



HYDRAULICS - CROSS CONVEYOR, V-BELT & STRIPPER MOTORS

KEY	P/N	DESCRIPTION	USED
1	6050-0114	MOTOR, V-Belt - Hydraulic	8
2	6005-0265	FITTING, Hydraulic - Stripper Connector 6JIC-M-10ORB-M	16
3	6005-0047	FITTING, Hydraulic - Stripper Connector 6JIC-M-10ORB-M	16
4	6050-0112	MOTOR, Stripper - Hydraulic (1998)	8
4A	6005-2104	MOTOR, Stripper - Hydraulic (1999 - 2004)	8
5	6005-0073	FITTING, Hydraulic - 90 Degree Elbow, Adj. 10JIC-M-10ORB-M	2
6	6005-0193	FITTING, Hydraulic - 90 Degree Elbow, Swivel 10JIC-M-10JIC-FM	2
7	6005-0189	FITTING, Hydraulic - Stripper Connector	2
8	6050-1046	MOTOR, Cross Conveyor - Hydraulic (1998)	2
8A	6005-2574	MOTOR, Cross Conveyor - Hydraulic (1999 - 2004)	2
9	6005-1483	HOSE, Hydraulic .500 in. -2500 10FJIC-10FJIC x 156.000 in.	2
10	6005-1422	HOSE, Hydraulic .375 in. -2000 6FJIC-6FJIC x 60.000 in.	6
11	6005-1421	HOSE, Hydraulic .375 in. -2000 6FJIC-6FJIC x 66.000 in.	4
12	6005-1484	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 96.000 in.	6
13	6005-1423	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 48.000 in.	4
14	6005-1078	HOSE, Hydraulic .500 in. -3500 10FJIC-10FJIC x 186.000 in.	2
15	6005-0423	FITTING, Hydraulic - Tee Tube 10JIC-M-10JIC-M -10JIC-M	2
16	6005-1487	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 71.000 in.	2
17	6005-1485	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 20.000 in.	2
18	6005-0046	FITTING, Hydraulic - Straight Connector 4JIC-M-4ORB-M	2
19	6005-2558	HOSE, Hydraulic - Case Drain	2
20	6005-0733	FITTING, Hydraulic - Tee 6JIC	1
21	6005-2559	HOSE, Hydraulic - Case Drain	1
22	6005-0104	FITTING, Hydraulic - Elbow 90 Adj. 6JIC-M-6ORB-M	16
23	6005-0460	FITTING, Hydraulic - Straight Connector 4JIC-M-3ORB-M	8

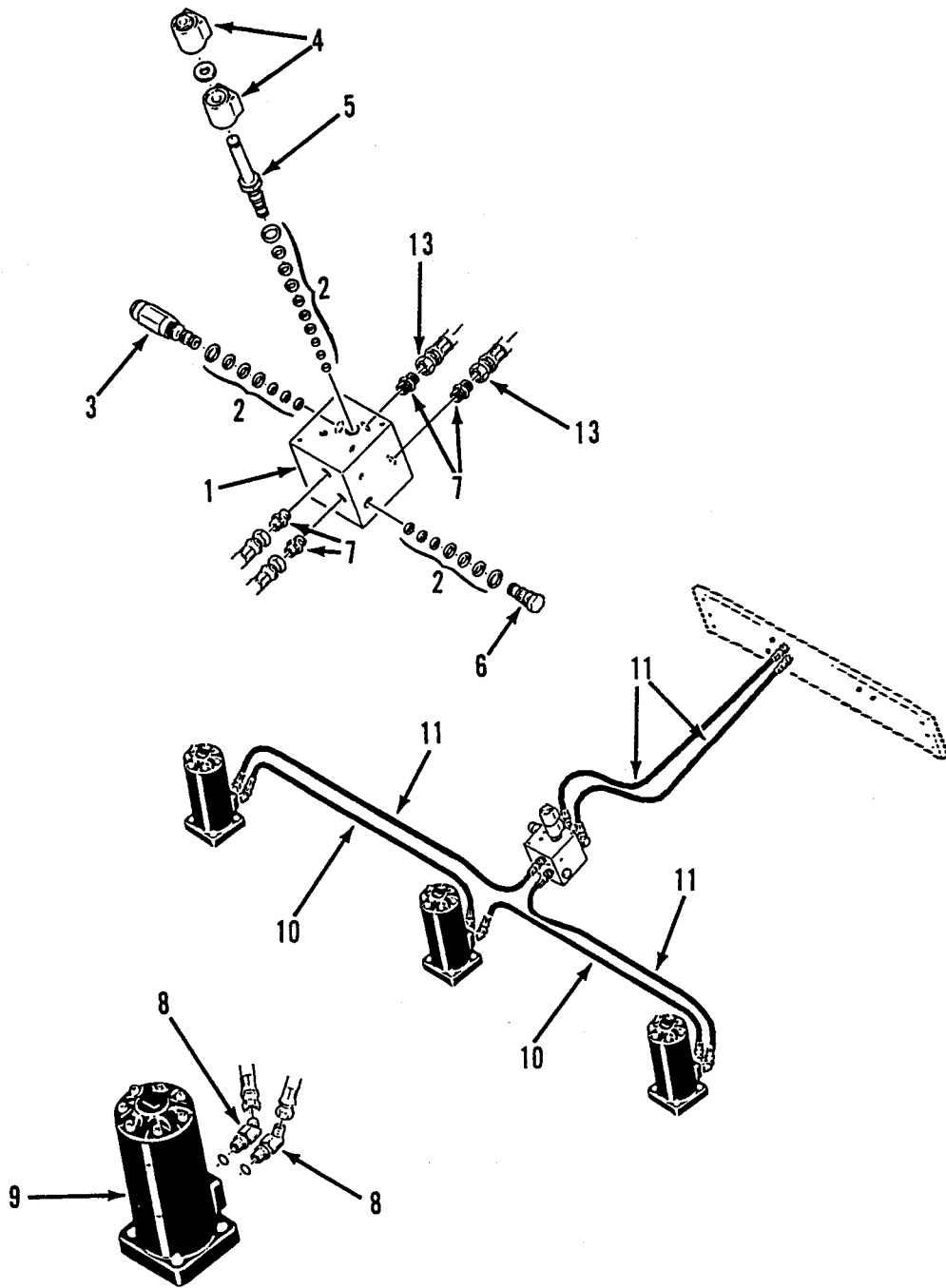
DIVIDER BLOCK ASSEMBLIES



DIVIDER BLOCK ASSEMBLIES

KEY	P/N	DESCRIPTION	USED
1	6050-1037	STUD, Block - Hydraulic	4
2	6005-1438	HOSE, Hydraulic .500 in. -2500 10FJIC-10FJIC x 156.00 in.	2
3	6005-0073	FITTING, Hydraulic - 90 Degree Elbow Adj. 10JIC-M-10ORB-M	2
4	6005-0328	O-RING, For #10 Hydraulic Fitting	8
5	6005-1487	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 71.000 in.	2
6	6005-0429	FITTING, Hydraulic - Tee Adj. 10JIC-M-10ORB-M -10JIC-M	6
7	6005-1484	HOSE, Hydraulic .375 in.-3000 6FJIC-10FJIC x 96.000 in.	4
8	6005-0193	FITTING, Hydraulic - 90 Degree Elbow, Swivel 10JIC-M -10JIC-FM	4
9	6005-0059	FITTING, Hydraulic - Plug 8ORB-M	6
10	6005-0327	O-RING, For #8 Hydraulic Fitting	6
11	6050-0111	DIVIDER, Hydraulic - Hot Oil Shuttle (1998)	2
11A	6005-2596	DIVIDER, Hydraulic - Hot Oil Shuttle (1999 - 2004)	2
12	6005-0325	O-RING, For #4 Hydraulic Fitting	2
13	6005-0278	FITTING, Hydraulic - Plug Socket Head 4ORB-M	2
14	6050-1038	SPACER, Shaft	4
15	6005-0555	FITTING, Hydraulic - Reducer 10JIC-FM-6JIC-M	2
16	6005-1422	HOSE, Hydraulic .375 in. -2000 6FJIC-6FJIC x 60.000 in.	2
17	6005-1423	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 48.000 in.	2
18	6005-1485	HOSE, Hydraulic .375 in. -3000 6FJIC-10FJIC x 20.000 in.	2
19	6050-0122	MOUNT, Hydraulic Block	1
20	6005-0281	FITTING, Hydraulic - Straight Connector 6JIC-M-80RBM	1
21	6005-0358	FITTING, Hydraulic - Elbow Swivel 90 6JIC-M-6JICF	1
22	6005-0062	FITTING, Hydraulic - Elbow Adj. 90 8JIC-M-80RB-M	1

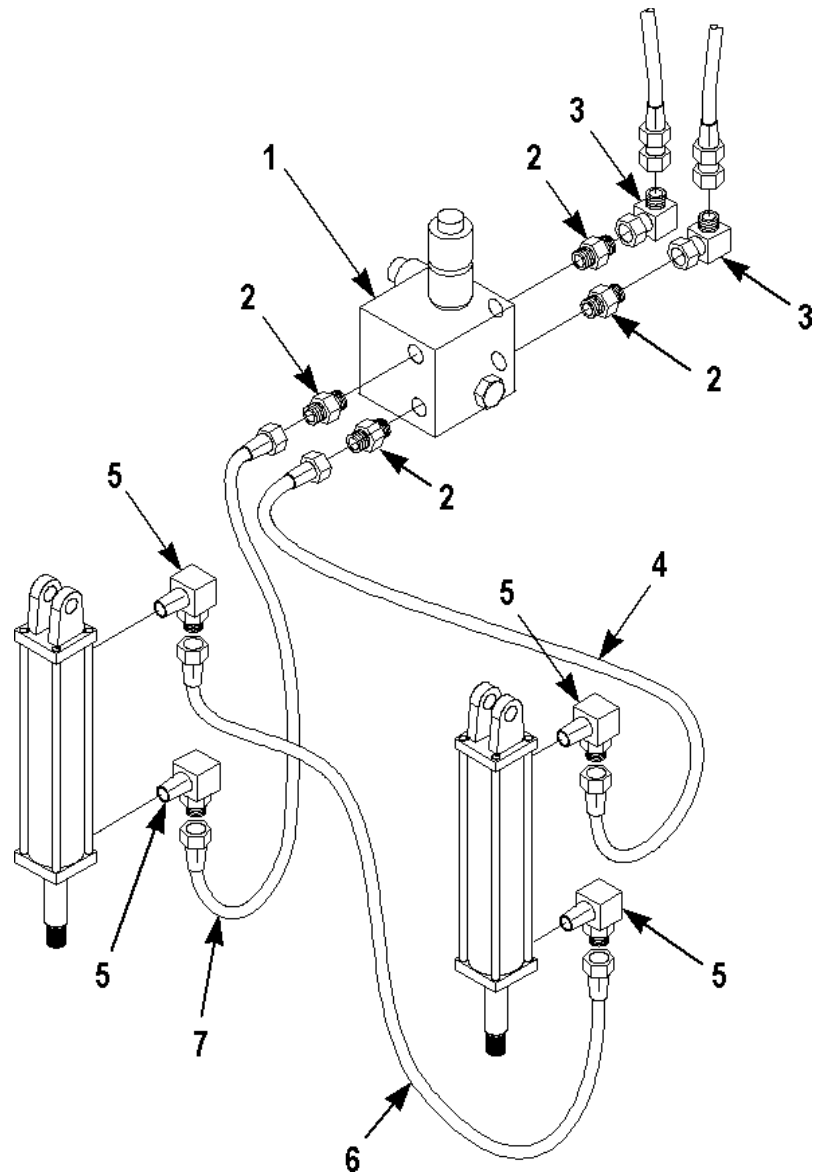
HYDRAULICS - SCREW JACK MOTORS & WINDOW BLOCK ASSEMBLY, 1998



HYDRAULICS - SCREW JACK MOTORS & WINDOW BLOCK ASSEMBLY, 1998

KEY	P/N	DESCRIPTION	USED
1	6050-1115	ASSEMBLY, Window Block	1
2	6005-1399	KIT, Seal	3
3	6050-1118	CARTRIDGE, Press Reducing	1
4	6005-0666	COIL, Solenoid	2
5	6050-1117	CARTRIDGE	1
6	6050-1116	PLUG, Cavity	1
7	6005-0047	FITTING, Hydraulic - Straight Connection 6JIC-M-6ORB-M	4
8	6005-1634	FITTING, Hydraulic - Elbow 45DEG ADJ 6JIC-M-10ORB-M	6
9	6050-3028	MOTOR, Screw Jack - Hydraulic	3
	6005-0826	KIT, Seal - Screw Jack Motor	3
10	6005-0767	HOSE, Hydraulic .250 in. -3000 6FJIC-6FJIC x 41 in.	1
11	6005-0768	HOSE, Hydraulic .250 in. -3000 6FJIC-6FJIC x 53 in.	4
12	6005-0767	HOSE, Hydraulic .250 in. -2000 4FJIC-4FJIC x 48 in.	1
13	6005-0358	FITTING, Hydraulic - Elbow Swivel 90 6JIC-M-6JICF	1

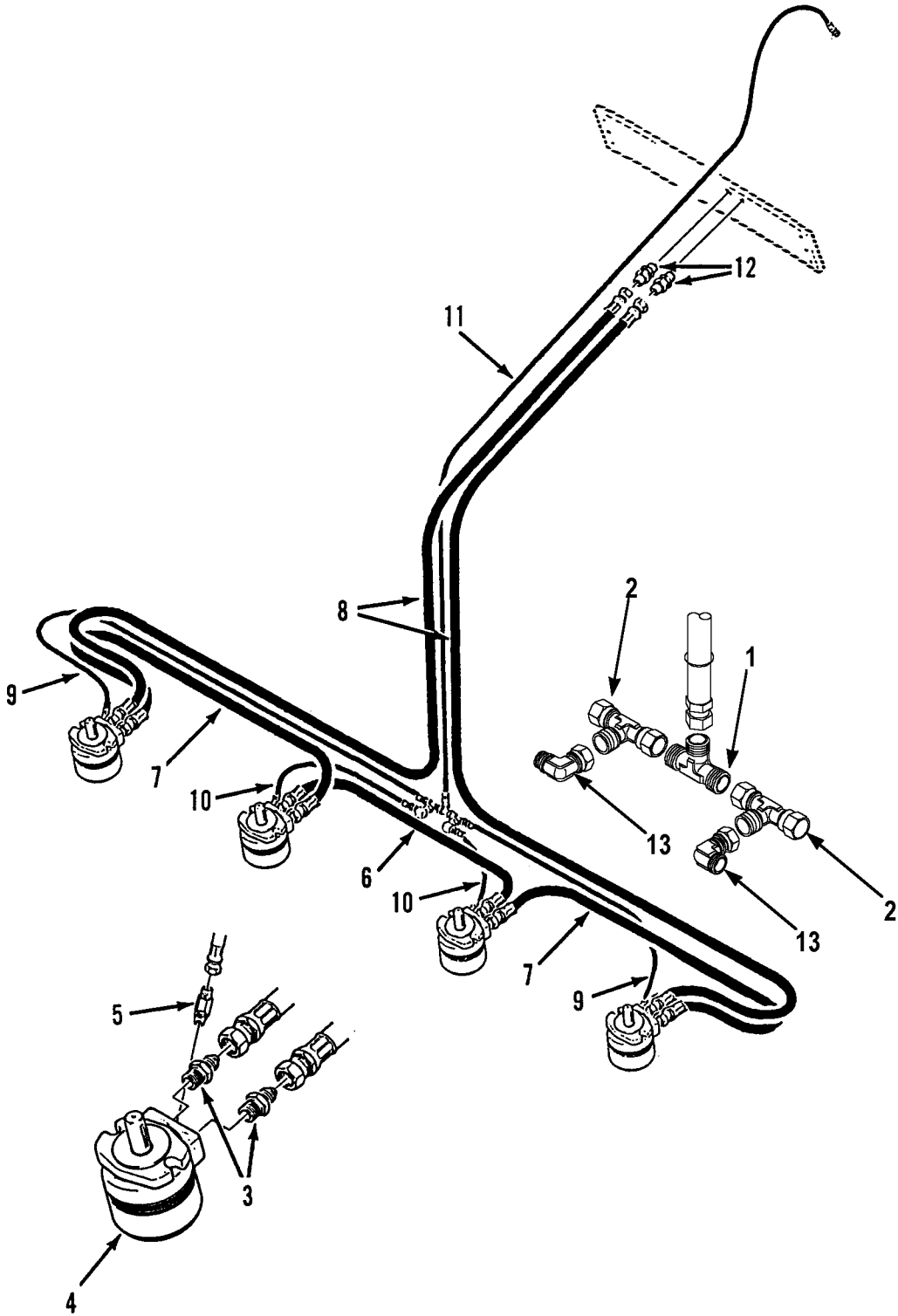
HYDRAULICS - CYLINDERS & WINDOW BLOCK ASSEMBLY, 1999 - 2004



HYDRAULICS - CYLINDERS & WINDOW BLOCK ASSEMBLY, 1999 - 2004

KEY	P/N	DESCRIPTION	USED
1	6050-1115	ASSEMBLY, Window Block	1
2	6005-0047	FITTING, Hydraulic - Straight Connection 6JIC-M-6ORB-M	4
3	6005-0358	FITTING, Hydraulic - Elbow 90DEG, Swivel, 6JIC-M-6JIC-FM	2
4	6050-2571	HOSE, Hydraulic .375 in. x 65 in.	1
5	6005-0062	FITTING, Hydraulic - Elbow 90DEG ADJ	4
6	6005-2572	HOSE, Hydraulic .375 in. x 142 in.	1
7	6005-2570	HOSE, Hydraulic .375 in. x 76 in.	1

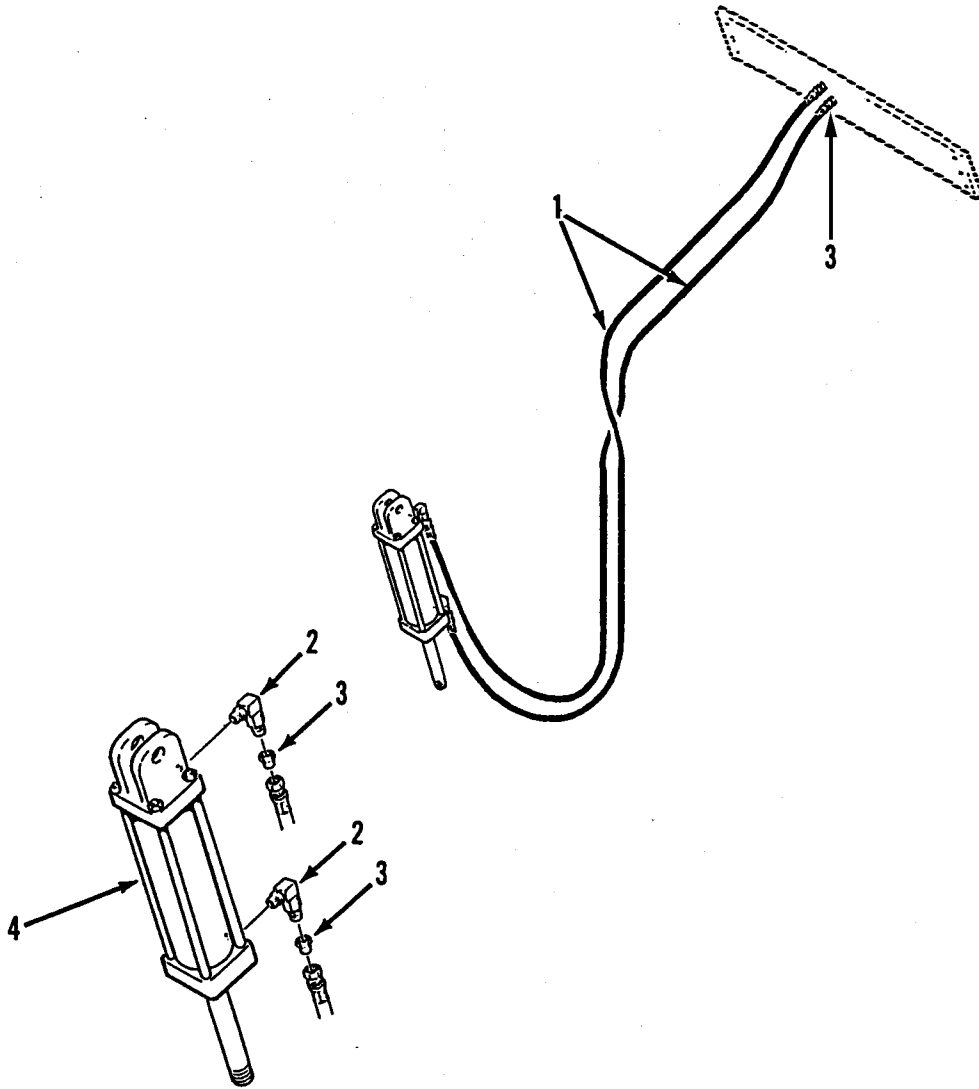
HYDRAULICS - CUTTER MOTORS



HYDRAULICS - CUTTER MOTORS

KEY	P/N	DESCRIPTION	USED
1	6005-0733	FITTING, Hydraulic - Tee 6JICM-6JICM-6JICM	1
2	6005-0422	FITTING, Hydraulic - Tee Adj. 6JICM-6JICF-6JICM Swivel Tee (1999 - 2004)	2
3	6005-0189	FITTING, Hydraulic - Straight Connector 10JIC-M-10ORB-M	8
4	6050-1113	MOTOR, Cutter - Hydraulic	4
	6005-1614	KIT, Seal - Cutter Motor	AR
	6005-1615	SEAL, Dust	AR
	6005-1616	RING, Back-up	AR
	6005-1617	SEAL, Lip	AR
5	6005-1640	FITTING, Hydraulic - Elbow 45 DEG ADJ 6JICM 40RBM	4
6	6005-1489	HOSE, Hydraulic .500 in. -3000 10FJIC-10FJIC x 52.000 in.	1
7	7005-0221	HOSE, Hydraulic .500 in. -3000 10FJIC-10FJIC x 76.000 in.	2
8	6005-1078	HOSE, Hydraulic .500 in. -3500 10FJIC-10FJIC x 186.000 in. (1998)	2
8A	6005-2461	HOSE, Hydraulic .500 in. -3500 10FJIC-10FJIC x 186.000 in. (1999 - 2004)	2
9	6005-1719	HOSE, Hydraulic .250 in. -3000 6JICF-6JICF x 90.000 in.	2
10	6005-1659	HOSE, Hydraulic .500 in. -3000 6JICF-6JICF x 30.000 in.	2
11	7005-0339	HOSE, Hydraulic .500 in. -2750 6JICF-6JICF x 96.000 in.	1
12	6005-0198	FITTING, Hydraulic - Bulkhead 10JIC-M-10JIC-M	2
13	6005-0358	FITTING, Hydraulic - Elbow 90 DEG, 6JIC-M-6JIC-FM (1999 - 2004)	2

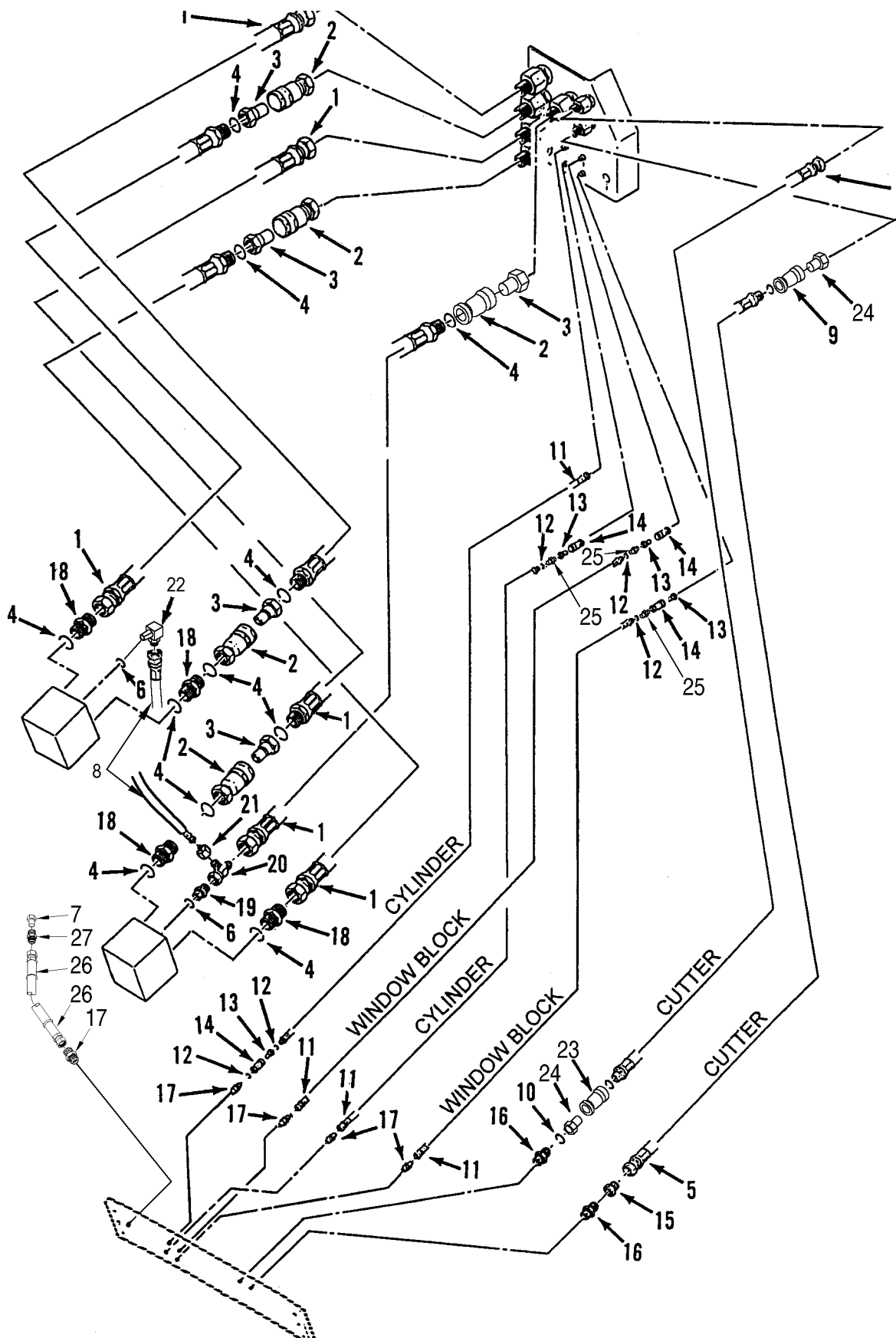
HYDRAULICS HEADER HEIGHT



HYDRAULICS HEADER HEIGHT

KEY	P/N	DESCRIPTION	USED
1	6005-0367	HOSE, Hydraulic .250 in. -2750 4FJIC-4FJIC x 78.000 in.	2
2	6005-0456	FITTING, Hydraulic - Elbow 90 DEG ADJ 6JICM-80RBM	2
3	6005-0027	FITTING, Hydraulic - Reducer 6JIC-FM-4JIC-M	4
4	9003-0112	CYLINDER, Hydraulic	1

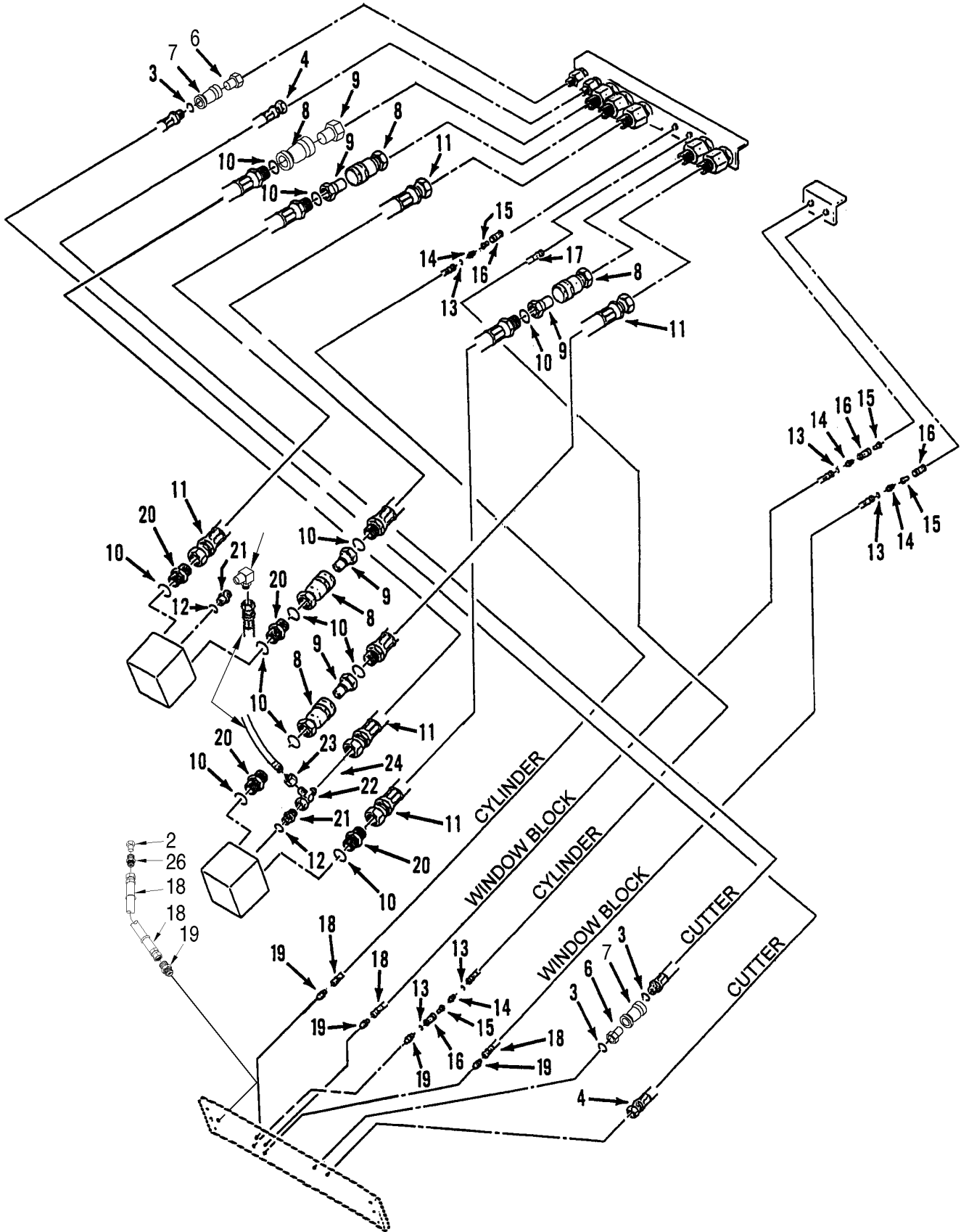
BIG JACK HYDRAULIC HOOK-UP



BIG JACK HYDRAULIC HOOK-UP

KEY	P/N	DESCRIPTION	USED
1	6005-0234	HOSE, Hydraulic .750 in. -3000 12FJIC-12MORB x 90.000 in.	3
2	6005-1463	COUPLER, Quick Disconnect #12 x 12ORB-FM	4
3	6005-1462	NIPPLE, Quick Disconnect #12 x 12ORB-FM	4
4	6005-0329	O-RING, For #12 Hydraulic Fitting	10
5	6005-0752	HOSE, Hydraulic .500 in. -3000 8FJIC-8MORB x 93.000 in.	2
6	6005-0327	O-RING, For #8 Hydraulic Fitting	2
7	6005-1458	NIPPLE, Quick Disconnect #10 x 8ORB-FM	2
8	7005-0372	HOUSE, Hydraulic, .500-2000, 8FJIC-8FJIC x 18	1
9	6005-1461	COUPLER, Quick Disconnect #10 x 10ORB-FM	2
10	6005-0328	O-RING, For #10 Hydraulic Fitting	3
11	7005-0448	HOSE, Hydraulic .250 in. -3000 6FJIC-6MORB x 90.000 in.	3
12	6005-0326	O-RING, For #6 Hydraulic Fitting	3
13	6005-1456	NIPPLE, Quick Disconnect #6 x 6ORB-FM	4
14	6005-1457	COUPLER, Quick Disconnect #6 x 6ORB-FM	4
15	6005-0197	FITTING, Hydraulic - Reducer 10JICF-8JICM	1
16	6005-0198	FITTING, Hydraulic - Bulkhead 10JICM-10JICM	2
17	6005-0040	FITTING, Hydraulic - Bulkhead 6JICM-6JICM	5
18	6005-0049	FITTING, Hydraulic - Straight Connector 12JIC-M-12ORB-M	4
19	6005-1597	FITTING, Hydraulic - Straight Connector 12JIC-M-8ORB-M	1
20	6005-0077	FITTING, Hydraulic Tee Swivel, 12JIC-M-12JIC-F	1
21	9005-0085	FITTING, Hydraulic - Reducer 12JIC-FM-8JIC-M	1
22	6005-0062	FITTING, Elbow, 90DEG, ADJ, 8JIC-M-8ORB-M	1
23	6005-1460	NIPPLE, Quick Disconnect #10 x 10ORB-F	1
24	6005-1459	COUPLER, Quick Disconnect #10 x 8ORB-F	2
25	6005-0047	FITTING, Hydraulic - Straight Connector 6JIC-M-6ORB-M	3
26	6005-1719	HOSE, Hydraulic .250 X 90in. 6FJIC-6FJIC	1
27	6005-0281	FITTING, Hydraulic - Straight Connector 6JIC-M-8ORB-M	1

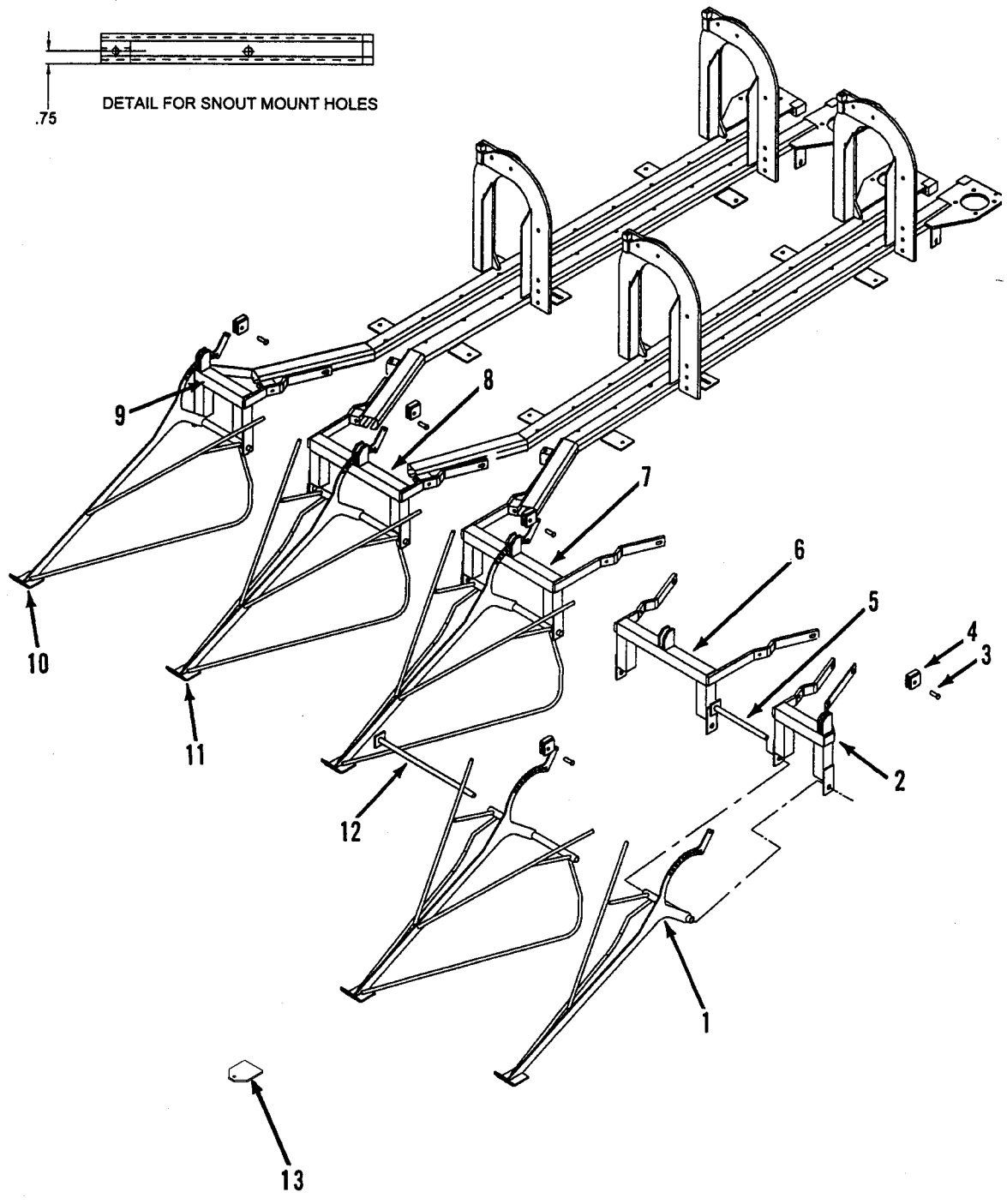
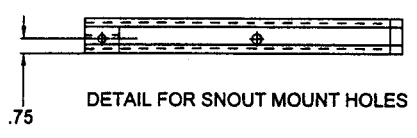
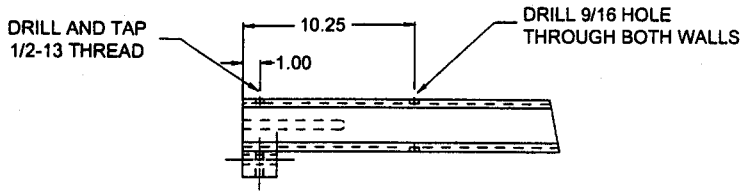
SUPER JACK HYDRAULIC HOOK-UP



SUPER JACK HYDRAULIC HOOK-UP

KEY	P/N	DESCRIPTION	USED
1	6005-1461	COUPLER, Quick Disconnect #10 x 10ORB-FM	1
2	6005-1458	NIPPLE, Quick Disconnect #10 x 8ORB-FM	2
3	6005-0328	O-RING, For #10 Hydraulic Fitting	3
4	6005-1491	HOSE, Hydraulic .500 in. -108 20500 8JICF-8ORB-M	4
5	6005-0053	FITTING, Hydraulic 12ORB-M-8MJIC	1
6	6005-1459	COUPLER, Quick Disconnect #10 x 8ORB-F	1
7	6005-1460	NIPPLE, Quick Disconnect #10 x 10ORB-FM	1
8	6005-1463	COUPLER, Quick Disconnect #12 x 12ORB-FM	4
9	6005-1462	NIPPLE, Quick Disconnect #12 x 12ORB-FM	4
10	6005-0329	O-RING, For #12 Hydraulic Fitting	10
11	6005-1490	HOSE, Hydraulic .750 in. -4000 12FJIC-12MORB x 115.000 in.	4
12	6005-0327	O-RING, For #8 Hydraulic Fitting	2
13	6005-0326	O-RING, For #6 Hydraulic Fitting	5
14	6005-0047	FITTING, Hydraulic - Straight Connector 6JIC-M-6ORB-M	4
15	6005-1456	NIPPLE, Quick Disconnect #6 x 6ORB-FM	4
16	6005-1457	COUPLER, Quick Disconnect #6 x 6ORB-FM	4
17	7005-0035	HOSE, Hydraulic .250-2750 6JICF-6JICF x 18.000 in.	1
18	7005-0223	HOSE, Hydraulic .250 in. -2750 6FJIC-6FJIC x 120.00 in.	4
19	6005-0040	FITTING, Hydraulic - Bulkhead 6JIC-M-6JIC-M	5
20	6005-0049	FITTING, Hydraulic - Striaight Connector 12JIC-M-12ORB-M	4
21	6005-1597	FITTING, Hydraulic - Straight Connector 12JIC-M-8ORB-M	2
22	6005-0077	FITTING, Hydraulic ,Tee Swivel, 12JIC-M-12JIC-F	1
23	9005-0085	FITTING, Hydraulic - Reducer 12JIC-FM-8JIC-M	1
24	6005-0062	FITTING, Elbow, 90DEG, ADJ, 8JIC-M-8ORB-M	1
25	7005-0372	HOSE, Hydraulic, .500-2000, 8FJIC-8FJIC x 18.00 in.	1
26	6005-0281	FITTING, Hydraulic - Striaight Connector 6JIC-M-8ORB-M	1

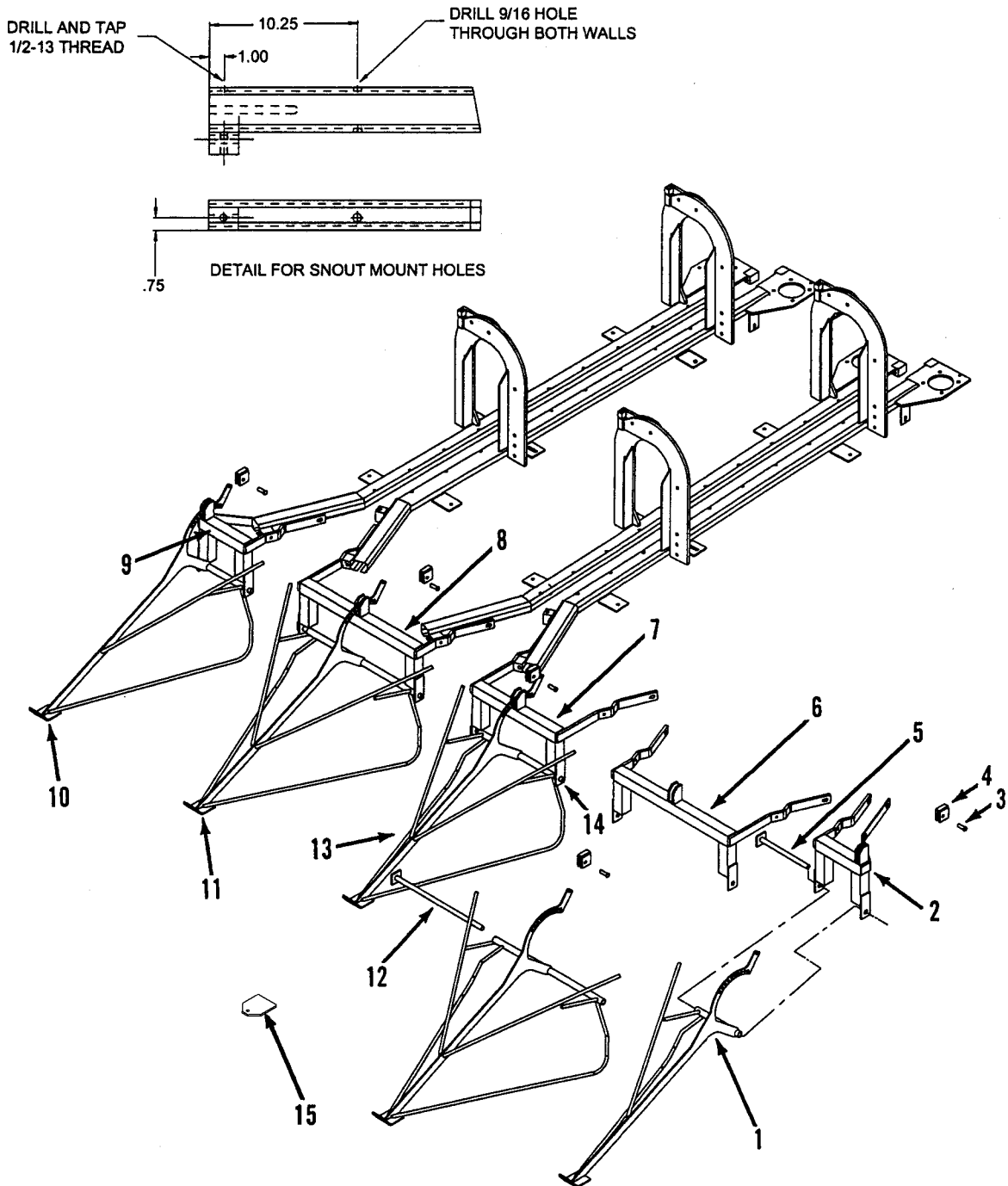
DOWN CORN KIT - 30 INCH ROWS



DOWN CORN KIT - 30 INCH ROWS

KEY	P/N	DESCRIPTION	USED
-	4500-0277	CP400 Down Corn Kit Complete (30 Inch Rows) (Includes Items 1 Thru 13)	1
1	6050-7305	WELDMENT, Outside Snout 11 LH	2
2	6050-7299	WELDMENT, Outside Snout Mtg. 11 LH	1
3	7002-0423	PIN, Clevis	5
4	6050-7250	STOP, Pivot	5
5	6050-7263	PIN, Outside Snout	2
6	6050-7291	WELDMENT, Snout Mtg. 11 LH	1
7	6050-7292	WELDMENT, Snout Mtg. 11 Center	1
8	6050-7288	WELDMENT, Snout Mtg. 11 RH	1
9	6050-7301	WELDMENT, Outside Snout Mtg. 11 RH	1
10	6050-7304	WELDMENT, Outside Snout 11 RH	1
11	6050-7295	WELDMENT, Snout 11	3
12	6050-7257	PIN, Snout	3
13	6050-7309	SHOE, Green	5

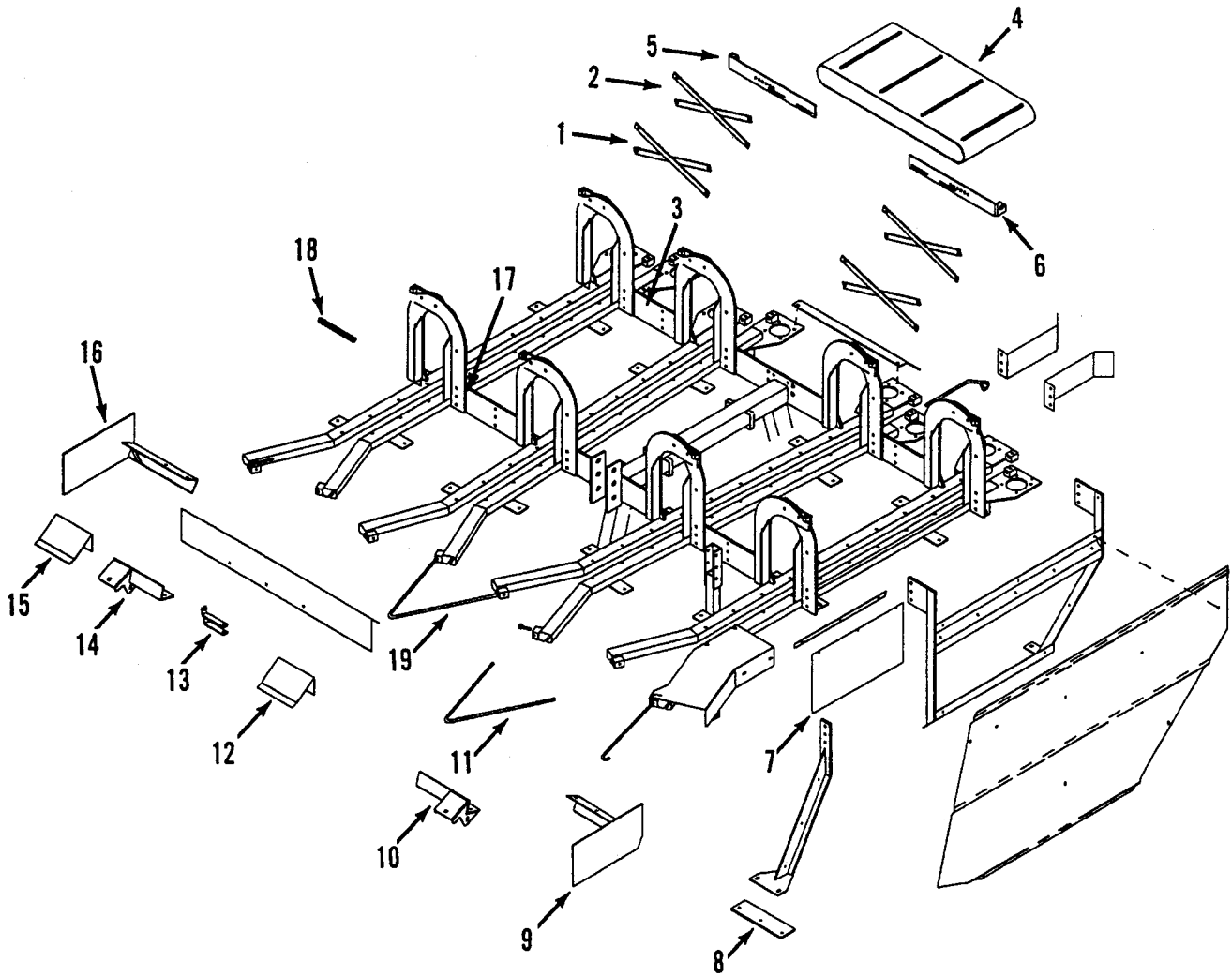
DOWN CORN KIT - 40 INCH ROWS



DOWN CORN KIT - 40 INCH ROWS

KEY	P/N	DESCRIPTION	USED
-	4500-0279	CP400 Down Corn Kit (40 Inch Rows Complete) (Includes Items 1 Thru 15)	1
1	6050-7305	WELDMENT, Outside Snout 11 LH	2
2	6050-7299	WELDMENT, Outside Snout Mtg. 11 LH	1
3	7002-0423	PIN, Clevis	5
4	6050-7250	STOP, Pivot	5
5	6050-7263	PIN, Outside Snout	2
6	6050-7314	WELDMENT, Snout Mtg. 11 LH. 40" Row	1
7	6050-7292	WELDMENT, Snout Mtg. 11 Center	1
8	6050-7313	WELDMENT, Snout Mtg. 11 RH. 40" Row	1
9	6050-7301	WELDMENT, Outside Snout Mtg. 11 RH	1
10	6050-7304	WELDMENT, Outside Snout 11 RH.	1
11	6050-7315	WELDMENT, Snout 11 40" Row	2
12	6050-7277	PIN, Snout 40" Row	2
13	6050-7295	WELDMENT, Snout	1
14	6050-7257	PIN, Snout	1
15	6050-7309	SHOE, Green	5

HARVESTING KIT FOR 38 TO 40 INCH ROWS



HARVESTING KIT FOR 38 TO 40 INCH ROWS

KEY	P/N	DESCRIPTION	USED
-	4500-0252	Harvesting Kit For 38 - 40 Inch Rows Complete (Includes Items 1 Thru 19)	1
1	6050-7216	STRAP, Front Outside Flat 28 in.	4
2	6050-7215	STRAP, Rear Outside Flat 25.56 in.	4
3	6050-7213	ARM, Cross Rear Outside Flat 23.75 in.	2
4	6050-7274	BELT, Cross Conveyor	2
5	6050-7272	TIGHTNER, Belt, RH	1
6	6050-7271	TIGHTNER, Belt, LH	1
7	6050-0142	BELT, Draper	2
8	6050-7225	EXTENSION, Adjuster Angle	2
9	6050-7221	GUARD, Cutter LH	1
10	6050-7223	MOUNT, Cutter LH	1
11	6050-7227	BAR, Inside Point	2
12	6050-7231	EXTENSION, Shield LH	1
13	6050-7229	HOLDER, Hose	2
14	6050-7222	MOUNT, Cutter RH	1
15	6050-7230	EXTENSION, Shield RH	1
16	6050-7220	GUARD, Cutter RH	1
17	6050-7214	ARM, Cross, Front Outside Flat 27.125 in.	2
18	6050-7273	STUD 16 in.	2
19	6050-7234	BAR, Center Point	1

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