

Ezee-On

MODEL 2070

FRONT-END LOADER

OWNERS' MANUAL and PARTS LIST

Manufactured
by

Ezee-On Mfg. Ltd.

Vegreville, Alberta
Canada

Printed in Canada

614A

WARRANTY

EZEE-ON WARRANTY FOR AGRICULTURAL PRODUCTS

EZEE-ON warrants each item of new EZEE-ON equipment sold by it to be free from defects in material and workmanship under recommended agricultural use. This warranty is void if equipment is used for other than agricultural purposes. The sole obligation of EZEE-ON under this warranty is limited to the repair or replacement of those part(s) (F.O.B. EZEE-ON Factory) of the equipment which EZEE-ON in its sole discretion, determines to have failed as a result of defects in material or workmanship occurring prior to the expiration of one year ("Warranty Period") from delivery by EZEE-ON or its selling dealer ("Dealer") to the original purchaser ("Purchaser"). Such defective part(s) will, at the option of EZEE-ON, be either repaired or replaced only to the Purchaser and must be effected by the selling Dealer.

The Purchaser must, within the Warranty Period, give written notice to the Dealer, from whom the equipment was purchased, of any claimed defect. The Dealer will have a reasonable time under the circumstances then existing, to repair or replace defective part(s). This warranty shall not cover damage to any other part(s) of the equipment caused as a result of delay by the Purchaser to repair or replace defective part(s). EZEE-ON's LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO, AND IN NO CASE BE GREATER THAN, THE COST OF THE REPAIR OR REPLACEMENT OF THE PART(S) COVERED. THIS WARRANTY SHALL SPECIFICALLY EXCLUDE ANY OTHER COSTS, INCLUDING BUT NOT LIMITED TO, LOSS AND/OR DAMAGE TO CROPS, LOSS OF USE, LOSS OF PROFIT, REVENUE OR OTHER COMMERCIAL LOSSES, INCONVENIENCE OR COST OF RENTAL OR REPLACEMENT EQUIPMENT, TRANSPORTATION EXPENSE TO AND FROM DEALER'S PREMISES, SERVICE CALLS, NORMAL MAINTENANCE AND UPKEEP COSTS, OVERTIME LABOUR COSTS AND ANY AND ALL INJURIES, CLAIMS OR SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGE OR OTHER ECONOMIC LOSS. THE FOLLOWING ITEMS ARE SPECIFICALLY EXCLUDED FROM WARRANTY:

ALL PRODUCTS -	RUBBER TIRES AND TUBES, WHICH ARE WARRANTED DIRECTLY BY AGENTS OF THE TIRE MANUFACTURERS.
CULTIVATORS/CHISEL PLOWS -	BENT SHANKS AND ALL GROUND ENGAGING TOOLS.
AIR SEEDERS -	TANK PAINT IF DAMAGE IS CAUSED BY CHEMICAL AGENTS.
DISCS -	DISC BLADES.
FRONT END LOADERS -	BUCKET TEETH AND GRAPPLE TEETH. MODIFICATIONS TO LOADER MOUNTS TO ADAPT TO CHANGES MADE BY TRACTOR MANUFACTURERS IN TRACTOR DESIGN.
POST DRIVERS -	ENGINE & ENGINE PARTS WHICH ARE WARRANTED DIRECTLY BY AGENTS OF THE ENGINE MANUFACTURER.

This warranty applies only to new equipment, manufactured by EZEE-ON. This warranty does not cover damage caused to or by any equipment, accessories or part(s) attached to or utilized in conjunction with EZEE-ON equipment. This warranty does not cover damage caused as a result of attachment, modification and incorrect assembly or pre-delivery.

This warranty constitutes the only warranty and is in lieu of any other warranty expressed or implied. There is no warranty of merchantability or of fitness for a particular purpose. No Dealer, salesman or agent has any authority to alter or amend this warranty.

TYPE OF EZEE-ON PRODUCT PURCHASED _____

MODEL NUMBER _____

SERIAL NUMBER _____

This identification should be provided in all correspondence or communication with EZEE-ON regarding your Implement.

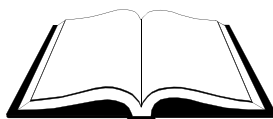
INTRODUCTION

THANK YOU for choosing to purchase this Ezee-On implement, we are confident you will be impressed with its performance.

In addition to the traditional values of simplicity, reliability and durability, your new EZEE-ON implement incorporates a number of operational and safety features. We urge you to familiarize yourself with the maintenance and operation of your implement by reading this Manual thoroughly and completely. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL contains important information regarding assembly, maintenance, operating instructions, and troubleshooting problems, and should be considered a permanent part of your implement.

Remember that it is the responsibility of the Operator to ensure that any new implement is field ready, prior to first operation. However, should you encounter a problem, please contact your dealer immediately.



READ THIS MANUAL CAREFULLY TO ENSURE THAT YOUR NEW IMPLEMENT IS ASSEMBLED AND ADJUSTED CORRECTLY PRIOR TO FIRST OPERATION.

RIGHT and LEFT is determined by standing behind the machine and facing FORWARD in the direction of travel.



This symbol is used to identify safety messages. When you see this symbol, read the safety message carefully.

INDEX

	Page
SAFETY RECOMMENDATIONS	2
ASSEMBLY INSTRUCTIONS	6
OPERATION	10
MAINTENANCE and STORAGE	13
LUBRICATION	13
PARTS	14
CYLINDER PARTS LIST	18
CYLINDER SEAL KITS	22

EZEE-ON MFG. LTD. RESERVES THE RIGHT to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice.

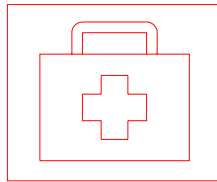
LOADER SAFETY RECOMMENDATIONS



Watch for this symbol. It identifies important safety messages. When you see this symbol, read the safety message carefully.

GENERAL SAFETY

1. Never allow anyone to ride on any portion of the loader or tractor. The person may fall and be seriously or fatally injured.
2. Machinery should be operated **ONLY** by a person(s) responsible and qualified to do so. In case of a breakdown or injury, the person(s) should be familiar with repair procedures and temporary First Aid Treatment.
3. Never allow anyone to climb or play on the loader and tractor. The person may fall and be seriously or fatally injured.
4. Follow all safety precautions in your tractor manual.
5. Keep a First Aid Kit in the tractor.

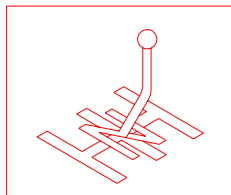
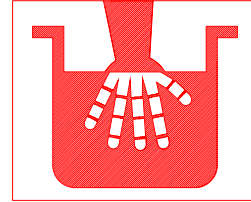


ASSEMBLY SAFETY

1. Use an aligning punch to line up holes. Keep your fingers out of these holes. Heavy component could move causing serious injury.
2. Use a hoist or adequate manpower to lift the heavy components into place. Use adequate jacks or support material.
3. Be sure all bolts and hydraulic fittings are tight, and all cotter pins are installed in pins and slotted nuts. Loose bolts, hydraulic fittings and missing cotter pins may result in serious damage to the loader and tractor, and possible personal injury.
4. Place adequate support under the bucket when installing or removing bucket teeth. If the hydraulic system failed, or if the hydraulic lever was accidentally operated, the bucket will drop, resulting in serious injury.
5. Always use wood or cardboard as a backstop against spurting fluid. Wear gloves and eye protection when searching the hydraulic system for leaks. Hydraulic fluid escaping under pressure can cause personal injury by penetrating skin. If injured, get medical attention immediately.
6. Do not disassemble or loosen hydraulic components when there is pressure within those components. Parts and fluid could fly out at a high velocity, causing serious injury to those nearby.

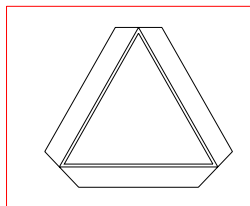
MAINTENANCE SAFETY

1. Do not disassemble or loosen hydraulic components when there is pressure within those components. Parts and fluid could fly out at a high velocity, resulting in serious injury. Always relieve the pressure in the hydraulic system.
2. Always use wood or cardboard as a backstop, and wear gloves and eye protection when searching the hydraulic system for leaks. Hydraulic fluid escaping under pressure can cause personal injury by penetrating the skin. If injured, get medical attention immediately.
3. Always relieve the pressure in the hydraulic system before making any adjustments or when parking the loader. Hydraulic fluid escaping under pressure can cause personal injury by penetrating the skin.
 - a) If injured by escaping hydraulic fluid, see a medical doctor immediately. Serious infection or a reaction can develop if proper medical attention is not administered at once.
 - b) Always permit parts which contain hot fluid to cool to a safe temperature before handling or disconnecting these parts.
4. Be sure all hydraulic cylinders are completely filled with hydraulic fluid to avoid loader free-fall or sudden movements. If the cylinders are not completely filled, the loader will drop.
5. Lower the loader arms when parking or servicing the loader and tractor. If the hydraulic lever was accidentally operated, or if any other component of hydraulic system failed, the loader will fall causing serious injury or death to person(s) nearby.
6. Do not service or adjust the loader while the tractor and loader are in operation. Serious injury may occur if you are caught or struck by moving heavy components. When servicing or adjusting the loader, always put all tractor controls in neutral, set the park brake and shut the engine off.



TRANSPORT SAFETY

1. Use the "SMV" emblem and warning lights for the protection of the tractor and other motor vehicle operators when transporting the loader on public roads. Check local laws regarding transport regulations.



2. Keep the loader arms in a low position during transport at all times, especially when carrying a load. Carrying the loader in a raise position will decrease tractor stability resulting in possible tractor upset causing serious damage to the loader and tractor, and serious injury or death to you or those nearby.

TRANSPORT SAFETY Continued:

3. Never transport the loader with the bucket (or any other attachment) in the "DUMP" position. If the hydraulic system failed, or if the hydraulic lever was accidentally operated, the loader will drop, causing the bucket (or attachment) to dig into the ground. This may result in serious injury or death to the operator and serious damage to the tractor and loader, especially if the tractor is moving at a high rate of speed.

Transporting the loader with the bucket (or any other attachment) in the "MAXIMUM ROLLBACK" position will minimize the injury to the operator and damage to the tractor and loader should the loader drop while it is in motion.

4. Regulate your speed on hillsides and curves to reduce the danger of tipping over. Moving at high speeds on hillsides or on curves will increase the danger of tipping over, especially when carrying a load.



OPERATION SAFETY

1. Make sure the person(s) nearby are standing clear before you start to move the tractor and loader. The person(s) may be struck or caught by the moving tractor, resulting in serious injury or death.
2. Use extra care when operating the tractor and loader on hillsides. Operating the tractor and loader at high speeds on hillsides will increase the danger of tipping over, especially when carrying a load.
3. Never stand under any part of the loader or attachment when the loader arms are in a raise position. If the hydraulic system failed, or if the hydraulic lever was accidentally operated, or if any other component failed, the loader or attachment will drop, resulting in serious injury or death to you or those nearby.
4. Move and turn the tractor at low speeds. Operating the tractor at high speeds reduces tractor stability, causing possible tractor upset which could result in serious injury or death to the operator and serious damage to the loader and tractor.
5. Do not try lifting loads beyond the capacity of the loader. Possible tractor upset caused by tractor instability could result in serious injury or death to the operator and serious damage to the tractor and loader.
6. Use a Grapple Fork ONLY when carrying round bales with the bucket, or use an approved Round Bale Fork. Use of unapproved forks attached to the bucket, or any other unapproved attachments to carry round bales may result in injury or death to operator or person(s) nearby and serious damage to the loader due to bale instability. Bale instability can result in bale falling off attachment while being raised or transported.
7. Never use the loader (or any other attachment) as a man-lift. If the hydraulic system failed, or if the hydraulic lever was accidentally operated, or if any other component failed, the loader (or attachment) will drop, resulting in serious injury or death.

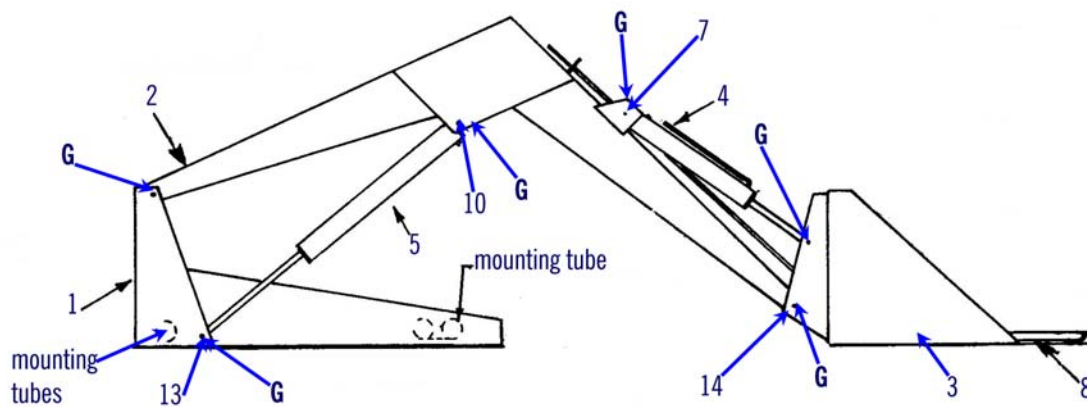
OPERATION SAFETY Continued:.

8. When raising a load, level attachment at higher lifting ranges to prevent material from falling on to tractor and/or operator. Falling material may cause serious injury or death to operator and serious damage to tractor and loader.
9. Add necessary wheel ballast or rear weights to increase tractor stability.
10. Move the tractor wheels to their widest possible setting to increase tractor stability.
11. Always relieve the hydraulic systems' pressure when it is not in operation. Hydraulic fluid escaping under pressure could penetrate the skin, causing serious injury. If injured, get medical attention immediately.
12. Use discretion when operating loader if mounted on high horsepower tractors and or front wheel assist tractors. Excessive use of horsepower may severely damage loader.
13. Never leave loader unattended in raised position. Always lower attachment to ground when loader is not being used. Serious injury or death may result to person(s) nearby if loader dropped or load fell off attachment.

SAFETY DECALS

1. Keep all decals clean and in good condition to provide you with a constant reminder of safe operating procedures.
2. Replace any destroyed, missing or illegible decals.

**BE CAREFUL...
AVOID ACCIDENTS!!!**



LOADER ASSEMBLY INSTRUCTIONS

1. Attach mount brackets to tractor, see instructions in bolt package.
2. See ILL. 1. Install four (4) grease fittings in main frame, arrow 2, and two (2) grease fittings in each hydraulic cylinder, arrow 4 and 5. Arrow G indicates grease fitting location.
3. Position yoke, arrow 1, so that yoke is positioned squarely on ground as shown in ILL.1.

NOTE: To assemble the yoke, main frame and bucket, it maybe necessary to spread apart the arms of the main frame, arrow 2, with a jack.



WARNING: WHEN ATTACHING THE LOADER USE ALIGNING PUNCH TO ALIGN HOLES. KEEP FINGERS OUT OF THESE HOLES. LOADER COMPONENTS COULD MOVE, CAUSING SERIOUS INJURY.



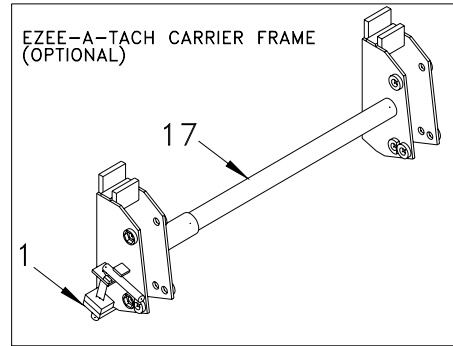
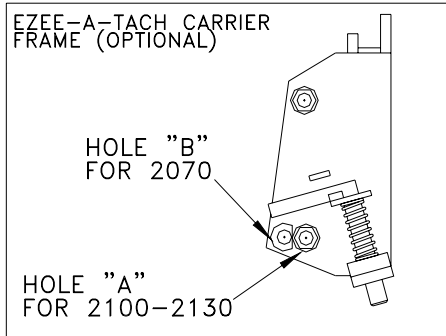
CAUTION: WHEN ASSEMBLING LOADER USE HOIST, OR USE ADEQUATE MANPOWER TO LIFT HEAVY COMPONENTS INTO PLACE. USE ADEQUATE JACKS OR SUPPORT MATERIAL.

4. See ILL. 1. Attach the main frame, arrow 2, to the top pins of yoke assembly, arrow 1. Secure each pin with one (1) 1/4" x 1-1/2" cotter pin.
5. **STANDARD BUCKET** - See ILL. 1. Attach the bucket, arrow 3, to the main frame, arrow 2, using the bottom bucket attaching pins. Attachments other than a bucket, such as a Model 49 Pallet Fork, Model 49 Bale Spear or an Ezee-A-Tach Frame. Also attach to main frame using the bottom pins.

ASSEMBLY INSTRUCTIONS Continued:

6. **EZEE-A-TACH CARRIER (Optional)** - See ILL. 2. The Ezee-A-Tach carrier is factory assembled in wide position for wider loaders such as the Model 2100 or 2130. Before attaching carrier it will be necessary to place carrier in narrow position. This is done by removing bolt from telescopic cross tube and collapsing assembly to its narrow position. After adjustment is complete install bolt in cross tube and secure with nut. When attaching Ezee-A-Tach carrier frame on Model 2070 loader, secure the main frame to bottom pin "B" shown in ILL. 2. Do not use hole "A", this is for the Model 2100-2130 loaders. Secure each pin with (1) one 1/4" x 1-1/2" cotter pin.

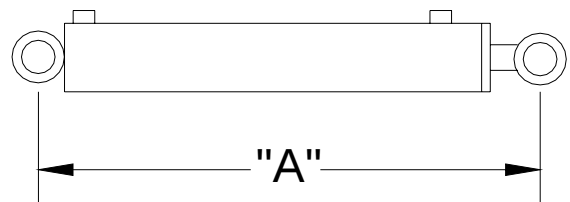
See "OPERATION" on page 11 for instructions on how bucket is installed on the Ezee-A-Tach frame. Other attachments will be installed using the same method as bucket.



7. See ILL. 1. Attach (2) two bucket cylinders, arrow 4, with the tube end attached to the cylinder lug, arrow 7, on each side of main frame. Attach shaft end of each bucket cylinder to the top bucket attaching pins. Ports on the cylinders must be facing up. Secure each pin with one 1/4" x 1-1/2" cotter pin. Identify bucket cylinder from table below.
8. See ILL. 1. Attach (2) two lift cylinders, arrow , with the tube end attached to centre pin, arrow 10, on each side of main frame. Attach shaft end of each lift cylinder to bottom pin, arrow , on the yoke assembly. The shaft end ports on the cylinder must be facing up. Position shaft end cross tube so grease fitting is facing up, secure each pin with (1) one 1/4" x 1-1/2" cotter pin. Identify lift cylinder from Table I below.

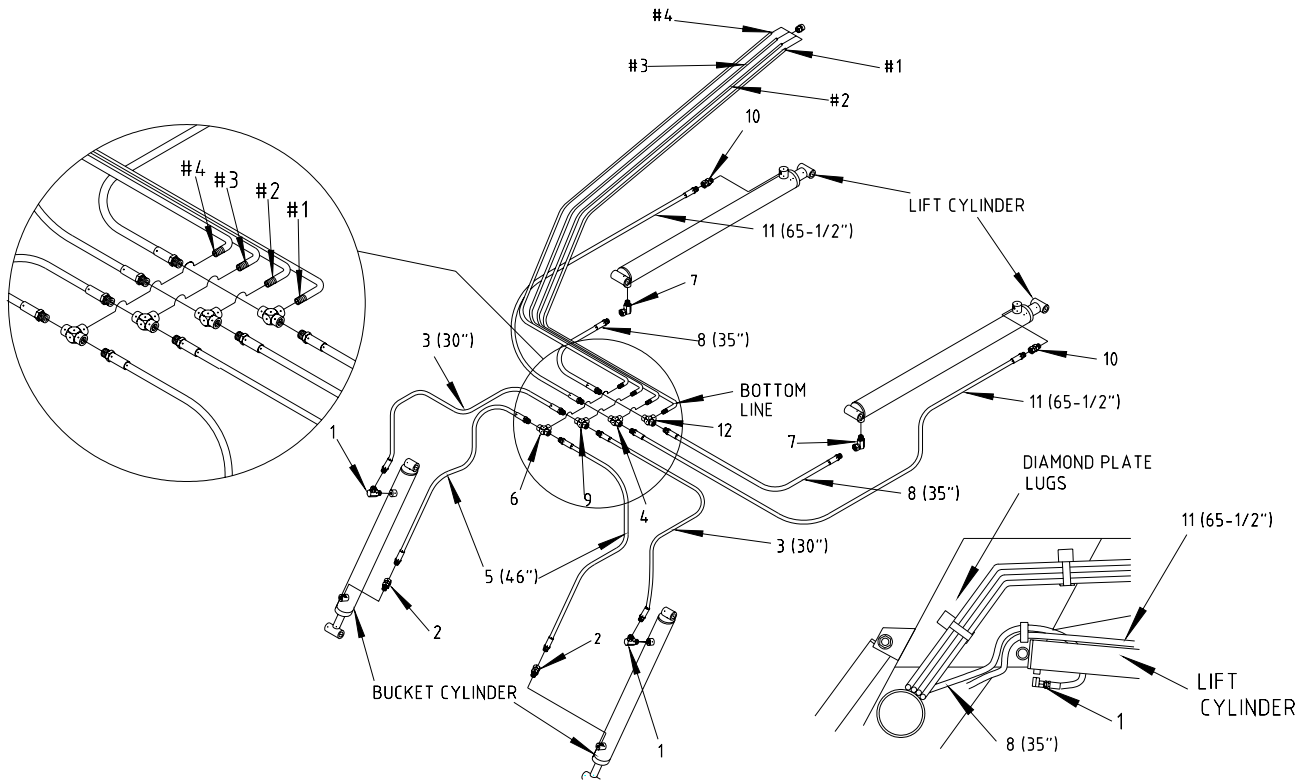
TABLE I - CYLINDER IDENTIFICATION CHART

MODEL	CYLINDER APPLICATION	PISTON DIAMETER	STROKE	C.C. CLOSED DIMENSION "A"
2070	Bucket	3"	18"	26-1/2"
2070	Lift - Std	2-1/2"	27"	35-1/2"
2070	Lift (Optional)	3"	27"	35-1/2"



CAUTION: WHEN ASSEMBLING THE LOADER, BE SURE ALL BOLTS AND HYDRAULIC FITTINGS ARE TIGHT, AND ALL COTTER PINS ARE INSTALLED IN THEIR PINS. LOOSE BOLTS, HYDRAULIC FITTINGS AND MISSING COTTER PINS MAY RESULT IN SERIOUS DAMAGE TO THE LOADER AND TRACTOR, AND POSSIBLE PERSONAL INJURY.

9. See ILL. 1 To attach the bucket level rod, arrow 9, install the rod through the rod support welded to the inside of the RH side of main frame, arrow 2. Insert the formed end of the rod into a 13/32" dia. hole in the RH inside bucket lug, arrow 13, then secure with (1) one washer and cotter pin. After the loader is completely assembled and mounted on the tractor, adjust the bucket level indicator. See ADJUSTMENTS on page 14.



10. CONNECTING HYDRAULIC SYSTEM - See ILL. 3.

IMPORTANT: CLEANLINESS IS ABSOLUTELY NECESSARY TO PREVENT CONTAMINATION WHEN HOOKING UP HYDRAULIC COMPONENTS. HANDLE THE FITTINGS CAREFULLY. DO NOT REMOVE THE CAPS FROM THE PIPE AND HOSE ENDS UNTIL ALL FITTINGS ARE INSTALLED.

NOTE: Use good quality sealant on fittings and hoses to prevent leaks.

- a) Install one (1) 3/8" x 90 degree swivel street elbow, arrow 1, in the barrel end port of each bucket cylinder.
- b) Install one (1) 3/8" male-female swivel, arrow 2, in the shaft end port of each bucket cylinder.
- c) Connect one (1) 3/8" x 30" hydraulic hose, arrow 3, to each side of 3/8" tee, arrow 4, on the #3 Oil Line. Then fasten the opposite end of each hose to the 3/8" x 90 degree swivel street elbow, arrow 1, on each bucket cylinder.

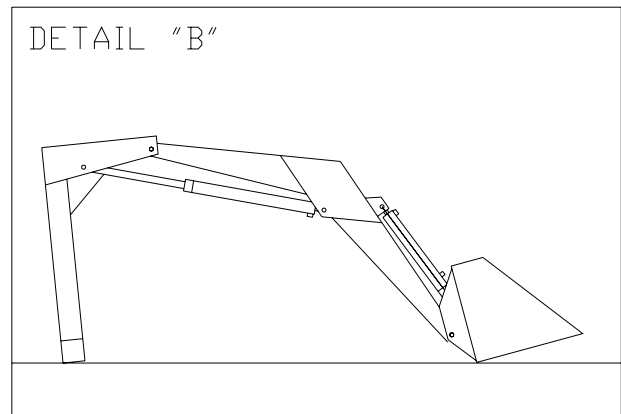
CONNECTING HYDRAULIC SYSTEM continued:

- d) Connect one (1) 3/8" x 46" hydraulic hose, arrow 5, to each side of 3/8" tee, arrow 6, on the #4 Oil Line. Then fasten the opposite end of each hose to the 3/8" female-female swivel adapter, arrow 2, on each bucket cylinder.
- e) Install one (1) 3/8" x 90 degree swivel street elbow, arrow 7, to the barrel end port of each lift cylinder. Then connect one (1) 3/8" x 35" hydraulic hose, arrow 8, to each side of 3/8" tee, arrow 9, mounted on the #1 Oil Line. Then fasten the opposite end of each hose to each 3/8" x 90 degree swivel street elbow, arrow 7, on each lift cylinder. Thread hoses as shown.
- f) Install one (1) 3/8" male-female swivel, arrow 10, to the shaft end port of each lift cylinder. Then connect one (1) 3/8" x 65-1/2" hydraulic hose, arrow 11, to each side of 3/8" tee, arrow 12, mounted on the #2 Oil Line. Then fasten the opposite end of each hose to the 3/8" male-female swivel adapter, arrow 11. Thread hoses as shown.
- g) Connect four (4) long hoses to the four (4) lines at the rear of the main frame. Install four (4) male couplers to the hoses and connect these hoses to the tractors' hydraulic system. (Male couplers not supplied)
- h) Pump hydraulic fluid into the bucket and lift cylinders. Insure all hydraulic cylinders are completely filled with hydraulic fluid before operating the loader.



CAUTION: TO AVOID LOADER FREE-FALL OR SUDDEN MOVEMENT, BE SURE ALL HYDRAULIC CYLINDERS ARE COMPLETELY FILLED WITH HYDRAULIC FLUID.

- i) Extend the lift cylinders. This will raise the loader into the mounting position, as shown in Detail "B", on the right. The loader is now ready to be mounted on the tractor.



CAUTION: ALWAYS RELIEVE THE HYDRAULIC SYSTEMS' PRESSURE WHEN IT IS NOT IN OPERATION. HYDRAULIC FLUID ESCAPING UNDER PRESSURE COULD PENETRATE THE SKIN, CAUSING SERIOUS INJURY.



CAUTION: ALWAYS USE WOOD OR CARDBOARD AS A BACKSTOP AGAINST SPURTING FLUID. WEAR GLOVES AND EYE PROTECTION WHEN CHECKING THE HYDRAULIC SYSTEM FOR LEAKS.



CAUTION: DO NOT DISASSEMBLE OR LOOSEN HYDRAULIC COMPONENTS WHEN THERE IS PRESSURE WITHIN THOSE COMPONENTS. PARTS AND FLUID COULD FLY OUT AT A HIGH VELOCITY, CAUSING SERIOUS INJURY TO THOSE NEARBY.

IMPORTANT: SEE ILL.1. BEFORE MOUNTING THE LOADER ONTO THE TRACTOR, LUBRICATE THE MOUNTING CHANNELS ON THE TRACTOR, AND THE MOUNTING TUBES ON THE YOKE, ARROW 1, WITH GREASE.

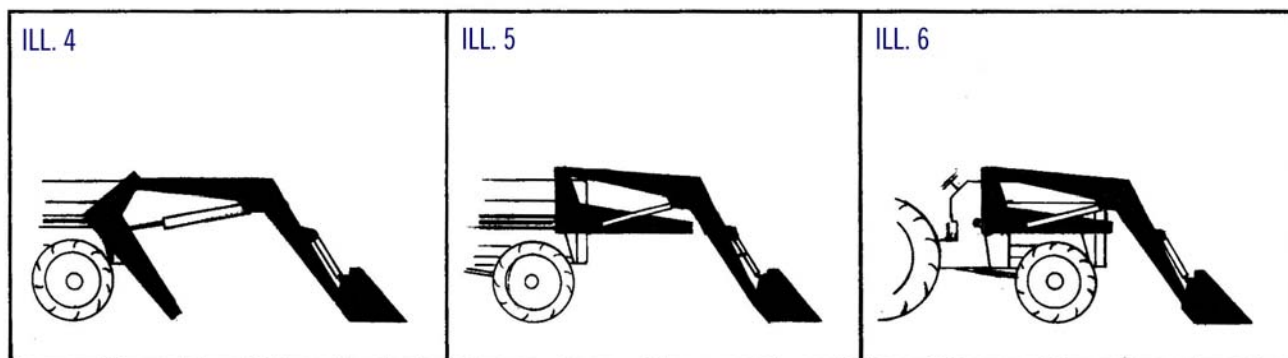
- j) To mount the loader on the tractor, raise the rear of the yoke by extending the lift cylinders. Drive the tractor between the uprights of the yoke. Align mounting tubes on inside of yoke with mounting channel. Move tractor forward sliding yoke mounting tubes into mount channels until the mounting tubes lock behind latches. Raise the yoke to the horizontal position by contracting the lift cylinders. Drive the tractor ahead until the front yoke mounting tubes slide to the mounting channels and lock behind the channel latches (see Mounting Instructions on Page 11).
11. Bolt bucket teeth, arrow 8, to top of bucket blade with two (2) 7/16" x 2-1/4" carriage head bolts complete with nuts and lockwashers. Bolts are installed from bottom of bucket. Teeth should be installed with front point facing down. There are seven teeth required for 60" bucket, eight teeth required for 72" bucket, and nine teeth required for 84" bucket. The bucket teeth supplied include two shorter teeth, install these shorter teeth on the outside set of holes at each end of the bucket blade. See ILL.1.



CAUTION: WHEN INSTALLING OR REMOVING BUCKET TEETH, PLACE ADEQUATE SUPPORT UNDER BUCKET. IF HYDRAULIC SYSTEM FAILED OR HYDRAULIC LEVER WAS ACCIDENTALLY OPERATED, BUCKET COULD DROP CAUSING SERIOUS INJURY.

NOTE: *Bucket teeth supplied include two short teeth. Install the two short teeth to outside set of holes at each end of bucket blade.*

NOTE: *Lubricate mounting channels and yoke mounting tubes with grease.*



OPERATION

1. LOADER MOUNTING INSTRUCTIONS:

TO MOUNT, THE LOADER MUST BE SITTING ON THE GROUND IN POSITION SHOWN ABOVE IN ILL. 4.

If the loader is sitting flat on ground, as shown in ILL.1, it can be raised into the position shown in ILL.4 by attaching the hydraulic lines to the tractor hydraulic system and extending the lift cylinders.

STEP 1 Drive the tractor between the uprights of the yoke assembly so the rear yoke mounting tubes slide into the mount bracket channels and lock behind the channel latches, see ILL.4.

STEP 2 Attach hydraulic hoses to the tractor hydraulic system.

STEP 3 Using the lift cylinders, pivot the yoke assembly into a horizontal position, see ILL.5.

STEP 4 Drive the tractor into the loader so that the front yoke mounting tubes slide into the mount bracket channels and lock into position. The loader is securely mounted on the tractor when the channel latches are down in front of the front yoke mounting tubes. See ILL.6.

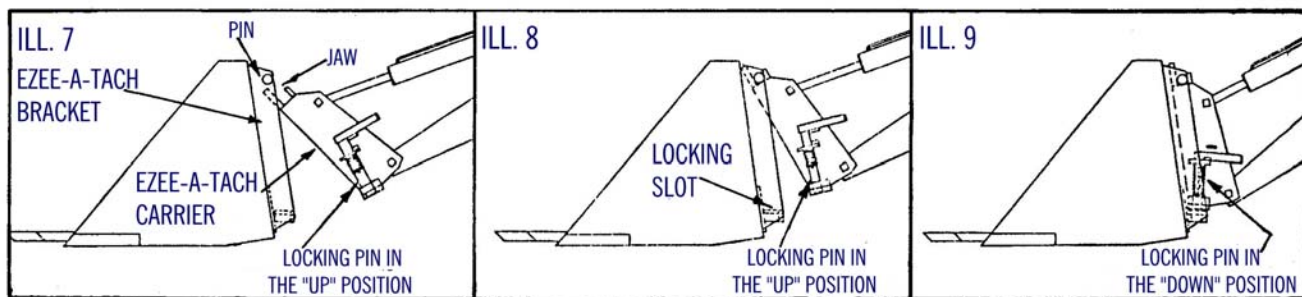
2. TO TAKE THE LOADER OFF THE TRACTOR, LIFT CHANNEL LATCHES AND REVERSE THE STEPS LISTED ABOVE.

IMPORTANT: WHEN TRANSPORTING THE LOADER, ALWAYS ROLL THE BUCKET OR OTHER ATTACHMENT INTO THE “MAXIMUM ROLL BACK”.



CAUTION: NEVER TRANSPORT THE LOADER WITH THE BUCKET OR OTHER ATTACHMENT IN THE “DUMP” POSITION. IF THE HYDRAULIC SYSTEM FAILED OR IF THE HYDRAULIC LEVER WAS ACCIDENTALLY OPERATED, THE LOADER COULD DROP, CAUSING THE BUCKET OR ATTACHMENT TO DIG INTO THE GROUND. THIS MAY RESULT IN SERIOUS INJURY OR DEATH TO THE OPERATOR AND SERIOUS DAMAGE TO THE LOADER AND TRACTOR, ESPECIALLY WHEN THE LOADER IS BEING TRANSPORTED AT HIGH SPEEDS.

TRANSPORTING THE LOADER WITH THE BUCKET (ON ANY OTHER ATTACHMENT) IN THE “MAXIMUM ROLLBACK” POSITION WILL MINIMIZE THE INJURY TO THE OPERATOR AND DAMAGE TO THE TRACTOR AND LOADER, SHOULD THE LOADER DROP WHILE IT IS IN MOTION.



3. EZEE-A-TACH SYSTEM (OPTIONAL)

The EZEE-A-TACH system allows the operator to quickly install and remove attachment to and from loader. To install attachment proceed as follows:

- STEP 1 With the spring-loaded locking pins in the "UP" position and carrier tipped forward, drive the carrier between the brackets of the attachment.
- STEP 2 When the carrier makes contact with the back of the attachment, lift the carrier so that the jaws engage with the top pin. Continue lifting the attachment until it is off the ground. See ILL.8.
- STEP 3 Using bucket cylinders, pivot the carrier so that it rests against the back of the attachment. Drop the spring-loaded pins into locking slots on brackets to lock the carrier to the attachment. See ILL.9.

To remove the attachment from the "Ezee-A-Tach" carrier, simply place the spring-loaded pins in the "UP" position and reverse the steps listed above.

- 4. **IMPORTANT:** WHEN THE LOADER IS MOUNTED ON A TRACTOR EXCEEDING 65 H.P., OR IF THE TRACTOR IS EQUIPPED WITH FRONT WHEEL ASSIST DRIVE, DISCRETION SHOULD BE USED WHEN OPERATING THE LOADER. EXCESSIVE USE OF HORSEPOWER COULD RESULT IN SERIOUS DAMAGE TO THE LOADER.



CAUTION: KEEP THE LOADER ARMS IN A LOW POSITION DURING TRANSPORT AT ALL TIMES, ESPECIALLY WHEN CARRYING A LOAD. CARRYING THE LOADER IN A RAISED POSITION WILL DECREASE TRACTOR STABILITY, RESULTING IN POSSIBLE TRACTOR UPSET CAUSING SERIOUS DAMAGE TO THE LOADER AND TRACTOR, AND SERIOUS INJURY OR DEATH TO YOU OR THOSE NEARBY.



CAUTION: WHEN RAISING A LOAD, LEVEL ATTACHMENT AT HIGHER LIFTING RANGES TO PREVENT MATERIAL FROM FALLING ONTO TRACTOR AND/OR OPERATOR. FALLING MATERIAL MAY CAUSE SERIOUS INJURY OR DEATH TO OPERATOR AND SERIOUS DAMAGE TO OPERATOR AND SERIOUS DAMAGE TO TRACTOR AND LOADER.



CAUTION: MOVE AND TURN THE TRACTOR AT LOW SPEEDS. OPERATING THE TRACTOR AT HIGH SPEEDS REDUCES TRACTOR STABILITY, CAUSING POSSIBLE TRACTOR UPSET WHICH COULD RESULT IN SERIOUS INJURY OR DEATH TO THE OPERATOR AND SERIOUS DAMAGE TO THE LOADER AND TRACTOR.



CAUTION: NEVER STAND UNDER ANY PART OF THE LOADER OR ATTACHMENT WHEN THE LOADER ARMS ARE IN A RAISED POSITION. IF ANY COMPONENT OF THE HYDRAULIC SYSTEM FAILED, OR IF THE HYDRAULIC LEVER WAS ACCIDENTLY OPERATED, OR IF ANY OTHER COMPONENT FAILED, THE LOADER OR ATTACHMENT WILL DROP CAUSING SERIOUS INJURY OR DEATH TO YOU OR PERSON(S) NEARBY.

- 5. **IMPORTANT:** DO NOT WELD OR BOLT ANY ATTACHMENT, SUCH AS A ROUND BALE SPEAR OR BOOM, TO THE TOP OF THE BUCKET BLADE. SEVERE DAMAGE WILL OCCUR TO THE BUCKET WHEN A LOAD IS CONCENTRATED AT ONE POINT.

OPERATION Continued:



CAUTION: DO NOT TRY LIFTING LOADS BEYOND THE CAPACITY OF THE LOADER. POSSIBLE TRACTOR UPSET CAUSED BY TRACTOR INSTABILITY COULD RESULT IN SERIOUS INJURY OR DEATH TO THE OPERATOR AND SERIOUS DAMAGE TO THE LOADER AND TRACTOR.

6. **IMPORTANT:** DO NOT ATTEMPT TO LIFT A LOAD AT THE CORNER OF THE BUCKET. THE BUCKET COULD BE TWISTED. ALWAYS DISTRIBUTE THE WEIGHT EVENLY FROM THE CENTER OF THE BUCKET.



CAUTION: ADD NECESSARY WHEEL BALLAST OR REAR WEIGHTS TO INCREASE TRACTOR STABILITY.



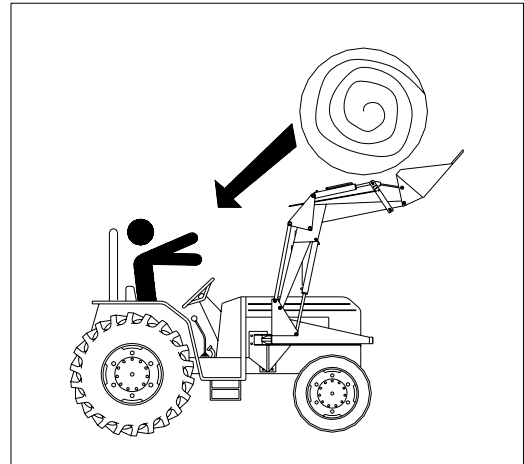
CAUTION: MOVE THE TRACTOR WHEELS TO THEIR WIDEST POSSIBLE SETTING TO INCREASE TRACTOR STABILITY.



CAUTION: NEVER ALLOW ANYONE TO RIDE ON ANY PORTION OF THE LOADER OR TRACTOR. THE PERSON RIDING COULD FALL AND BE SERIOUSLY INJURED.



CAUTION: USE A GRAPPLE FORK ONLY WHEN CARRYING ROUND BALES WITH THE BUCKET, OR USE AN APPROVED ROUND BALE CARRYING FORK. USE OF UNAPPROVED FORKS ATTACHED TO THE BUCKET, OR ANY OTHER UNAPPROVED ATTACHMENTS TO CARRY ROUND BALES MAY RESULT IN INJURY OR DEATH TO OPERATOR OR PERSON(S) NEARBY AND SERIOUS DAMAGE TO THE LOADER DUE TO BALE INSTABILITY. BALE INSTABILITY CAN RESULT IN BALE ROLLING OFF ATTACHMENT WHILE BEING RAISED OR TRANSPORTED.



CAUTION: NEVER USE THE LOADER OR ATTACHMENT AS A MAN-LIFT. IF THE HYDRAULIC SYSTEM FAILED, OR IF THE HYDRAULIC LEVER WAS ACCIDENTALLY OPERATED, OR IF ANY OTHER COMPONENT FAILED, THE LOADER OR ATTACHMENT COULD DROP, RESULTING IN SERIOUS INJURY OR DEATH.



CAUTION: ALWAYS RELIEVE THE HYDRAULIC SYSTEMS' PRESSURE WHEN IT IS NOT IN OPERATION. HYDRAULIC FLUID ESCAPING UNDER PRESSURE COULD PENETRATE THE SKIN, CAUSING SERIOUS INJURY.



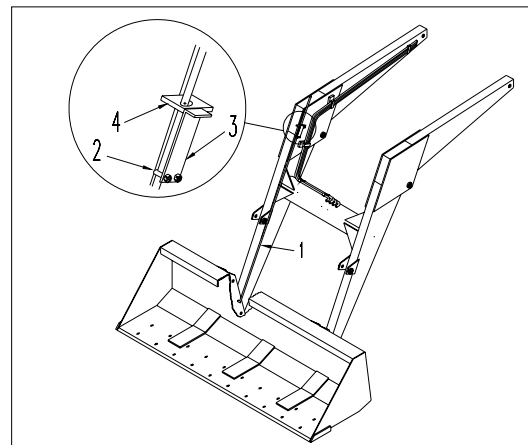
CAUTION: NEVER LEAVE LOADER UNATTENDED IN RAISED POSITION. ALWAYS LOWER ATTACHMENT TO GROUND WHEN LOADER IS NOT BEING USED. SERIOUS INJURY OR DEATH MAY RESULT TO PERSON(S) NEARBY IF LOADER DROPPED OR LOAD FELL OFF ATTACHMENT.

ILL. 10

ADJUSTMENTS

BUCKET LEVEL INDICATOR- See ILL 10. The level indicator rod, arrow 1, is used to indicate position of bucket. To have indicator show when bucket is level on ground, adjust as follows:

- With loader installed on tractor, position bucket level on ground.
- Loosen clamp, arrow 2, which fastens level indicator, arrow 3, to rod.
- Adjust level indicator, arrow 3, so top end is flush with top side of rod support, arrow 4.



MAINTENANCE & STORAGE

1. Check the hoses and oil lines periodically for signs of ruptures and leaks.



CAUTION: ALWAYS USE A PIECE OF WOOD OR CARDBOARD AS A BACKSTOP AGAINST SPURTING FLUID. ALWAYS WEAR GLOVES AND EYE PROTECTION WHEN SEARCHING THE HYDRAULIC SYSTEM FOR LEAKS. HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN CAUSE PERSONAL INJURY BY PENETRATING SKIN.



CAUTION: ESCAPING HYDRAULIC FLUID UNDER PRESSURE CAN CAUSE PERSONAL INJURY BY PENETRATING THE SKIN. ALWAYS RELIEVE THE SYSTEMS' PRESSURE BEFORE MAKING ADJUSTMENTS IN THE HYDRAULIC SYSTEM.



CAUTION: DO NOT DISASSEMBLE OR LOOSEN HYDRAULIC COMPONENTS WHEN THERE IS PRESSURE WITHIN THOSE COMPONENTS. HYDRAULIC COMPONENTS UNDER PRESSURE MAY CAUSE PARTS AND HYDRAULIC FLUID TO FLY OUT AT HIGH VELOCITY WHICH COULD CAUSE SERIOUS INJURY. ALWAYS RELIEVE PRESSURE IN HYDRAULIC SYSTEM BEFORE REPAIRING OR MAKING ADJUSTMENTS TO THE HYDRAULIC SYSTEM.

2. When the loader is dismounted from the tractor and is sitting on the ground, contract all the hydraulic cylinders to protect the cylinder shafts from the weather and possible accidental damage.

3. Keep the mounting bracket and bucket teeth bolts tight and be sure all loader pins are secured with cotter pins.



CAUTION: DO NOT SERVICE OR ADJUST THE LOADER WHILE THE TRACTOR AND LOADER ARE IN OPERATION. IF YOU ARE STRUCK OR CAUGHT BY HEAVY MOVING COMPONENTS, SERIOUS INJURY OR DEATH MAY OCCUR. ALWAYS PUT ALL TRACTOR CONTROLS IN NEUTRAL, SET PARK BRAKE AND SHUT THE ENGINE OFF BEFORE SERVICING OR ADJUSTING THE LOADER.



CAUTION: LOWER THE LOADER ARMS WHEN PARKING OR SERVICING THE LOADER AND TRACTOR. IF THE HYDRAULIC LEVER WAS ACCIDENTALLY OPERATED, OR IF ANY COMPONENTS OF THE HYDRAULIC SYSTEM FAILED, THE LOADER WILL FALL CAUSING SERIOUS INJURY OR DEATH TO PERSON(S) NEARBY.

LUBRICATION

1. Grease the cylinder and main frame pivot points when necessary. Arrow G, in ILL. 1. on Page 6, shows location of grease fittings.



CAUTION: ALWAYS RELIEVE THE PRESSURE IN THE HYDRAULIC SYSTEM BEFORE MAKING ANY ADJUSTMENTS OR WHEN PARKING THE LOADER. HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN CAUSE PERSONAL INJURY BY PENETRATING SKIN OR EYES.

- a) *If injured by escaping hydraulic fluid, see a medical doctor immediately. Serious infection or a reaction can develop if proper medical attention is not administered at once.*
- b) *Always permit parts which contain hot fluid to cool to a safe temperature before handling or disconnecting these parts.*

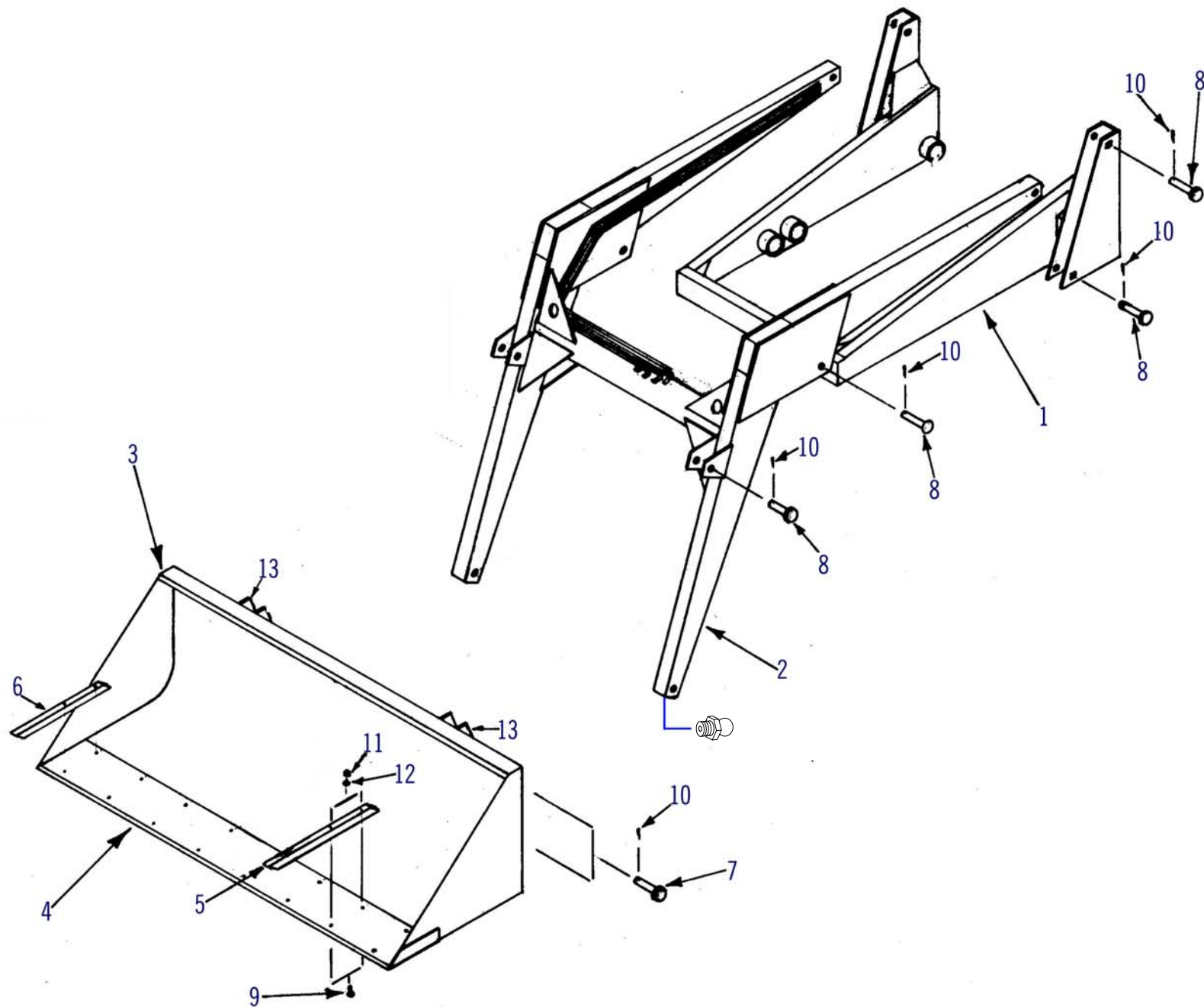
MODEL 2070 PARTS INDEX

	PAGE
H-Frame, Yoke, and Bucket	16
Ezee-A-Tach System	18
Hydraulic System	19
Cylinder Parts	20
Cylinder Seal Kits	24

PAINT & DECALS

PART NO.	DESCRIPTION	QTY. REQ'D
DF13002	Ezee-On Decals	3
A75764	Read Manual Decal	1
L3216	Falling Load Decal	3
L014/L017	Caution Decal	1
L015	Black Paint (1 Quart Can)	*
L016	Black Paint (1/2 Pint Can)	*

* As Required

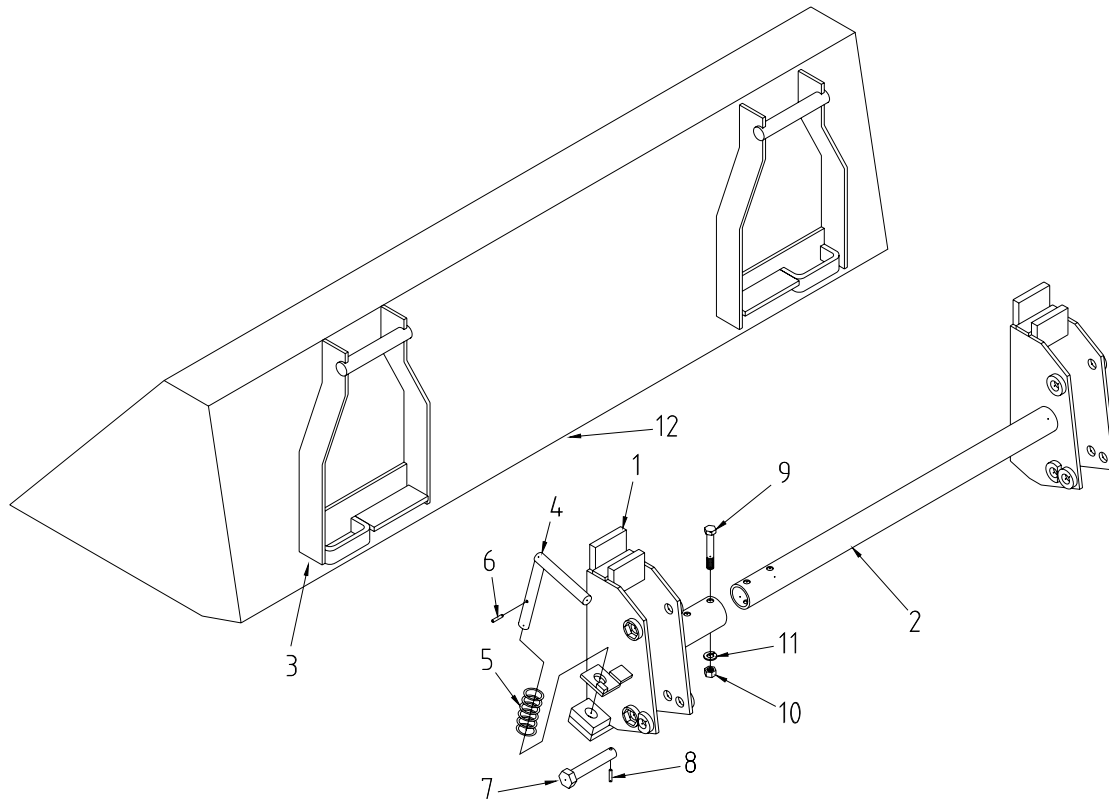


H-FRAME, YOKE and BUCKET

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	LB1800	2070-1 Narrow Yoke Assembly c/w 4 Pins	1
	LB1801	2070-2 Wide Yoke Assembly c/w 4 Pins	1
	LB1802	2070-3 Extra Wide Yoke Assembly c/w 4 Pins	1
	LB1803	2070-4 Super Wide Yoke Assembly c/w 4 Pins	1
	LB1805	2070-2-Z Wide Yoke Assembly c/w 4 Pins - Zetor	1
	LB1804	2070-3-Z Extra Wide Yoke Assembly c/w 4 Pins - Zetor	1
2	LB1795	Main Frame Assembly c/w 4 Pins	1
3	LB1751	60" Bucket Assembly c/w 4 Pins (Standard)	1
	LB1757	72" Standard Bucket Assembly c/w 4 Pins (Standard)	1
	LB1761	84" Standard Bucket Assembly c/w 4 Pins (Standard)	1
4	L41	60" Bucket Blade (Weld-On)	1
	L42	72" Bucket Blade (Weld-On)	1
	L43	84" Bucket Blade (Weld-On)	1
5	L51	Bucket Tooth - (Std)	*
	L52	Bucket Tooth - (Lomg)	*
6	L1680	Short Corner Bucket Tooth, Used with Standard Teeth	2
	L51	Short Corner Bucket Tooth, Used with Extra Long Teeth	2
7	L2266	1" x 5-1/2" ** Hex Head Pin	4
8	L885	1" x 4-11/16" ** Hex Head Pin	6
9	L57	7/16" x 2-1/2" N.C. Carriage Head Bolt	*
10		1/4" x 1-1/2" Cotter Pin	12
11		7/16" N.C. Hex Nut	*
12		7/16" Lockwasher	*
13	L1753	Round Hole Bucket Lug (Weld-On)	4
14	10GN1	1/4" - 28 Grease Fitting	4

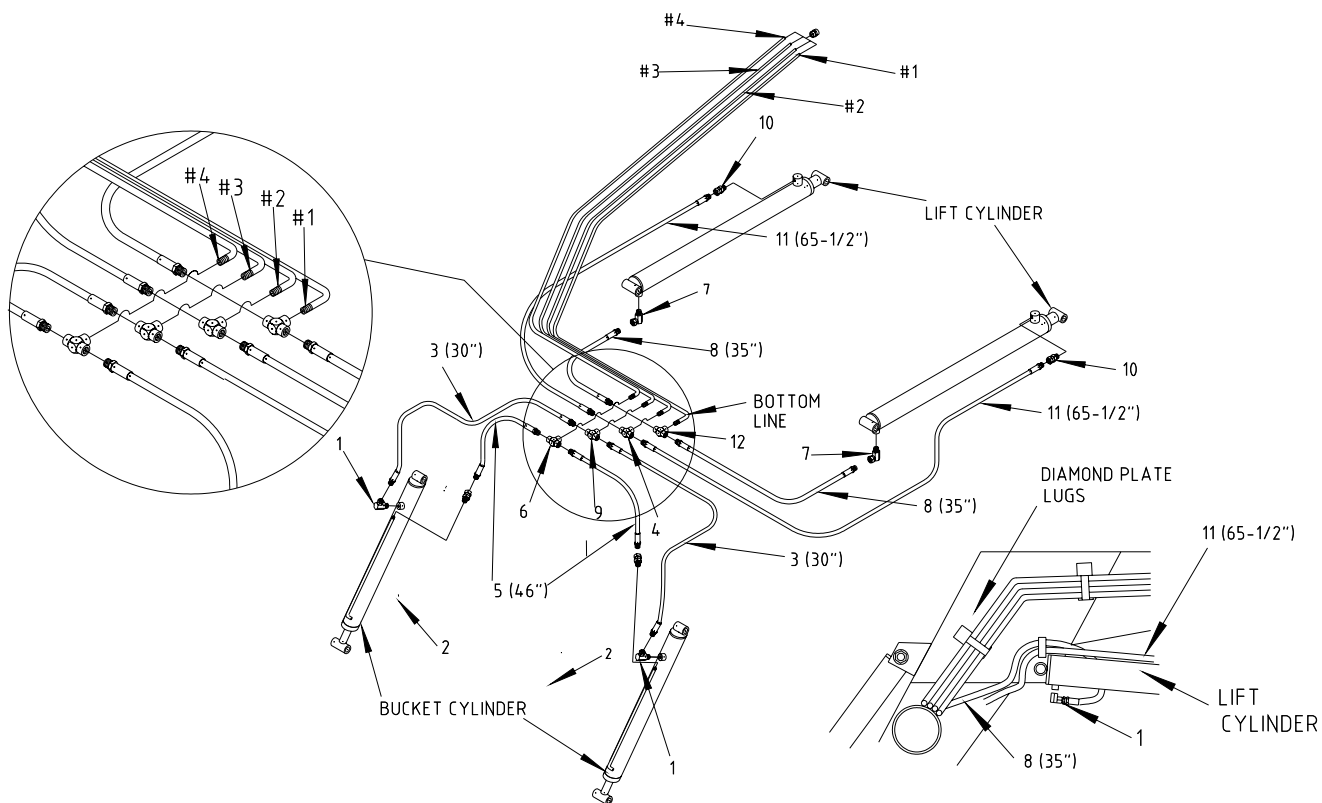
** Pins measured from under head to centre of cotter pin hole

* As Required



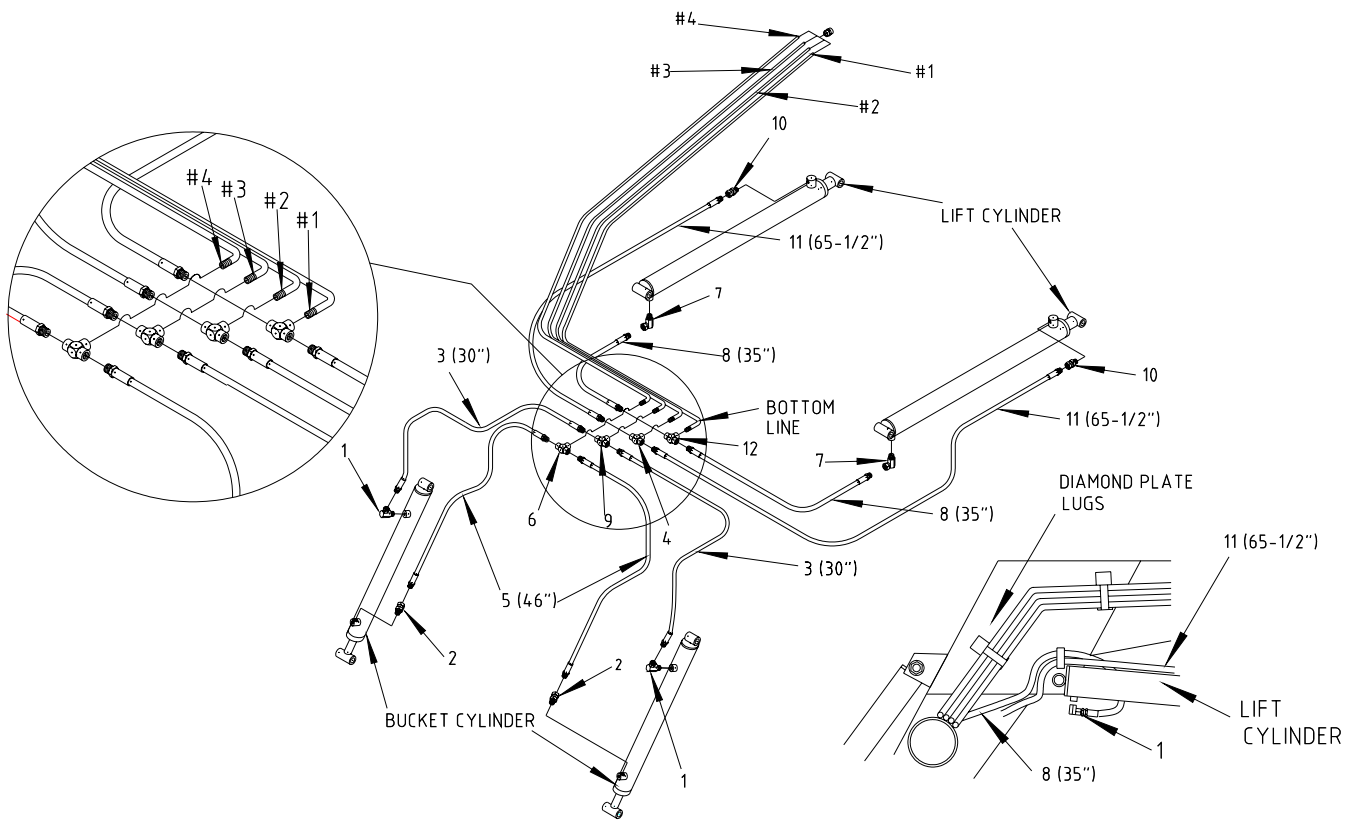
EZEE-A-TACH SYSTEM - (Optional)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	LB2501	Model 2070 Loader Ezee-A-Tach Carrier c/w attaching pins and locking pins	1
2	LA2533	Ezee-A-Tach Bracket - R.H. Side - Weld-On	1
	LA2534	Ezee-A-Tach Bracket - L.H. Side - Weld-On	1
3	LA2507	Locking Pin	2
4	L25103	Locking Pin Spring	2
5	L2511	Roll Pin	2
6	L2266	1" x 5-1/2" Hex Head Pin - pin lengths measured from under head to centre of cotter pin hole	4
7	---	1/4" x 1-1/2" Cotter Pin	4
8	---	5/8" x 4" N.C. Hex Bolt - Used 1998 and prior	1
9	---	3/8" x 4" N.C. Hex Bolt - Used after 1998	1
	---	5/8" N.C. Hex Nut - Used 1998 and prior	1
	---	3/8" N.C. Hex Nut - Used after 1998	1
10	---	5/8" Lockwasher - Used 1998 and prior	1
	---	5/16" Lockwasher - Used after 1998	1
11	LA2533	72" Ezee-A-Tach Bucket - Less Teeth	*
	LA2534	84" Ezee-A-Tach Bucket - Less Teeth	*
	LA2535	96" Ezee-A-Tach Bucket - Less Teeth	*



**MODEL 2070 HYDRAULIC SYSTEM
(FOR MODELS PRIOR TO SERIAL NO. 45175)**

REF. NO.	PART. NO.	DESCRIPTION	QTY. REQ'D
1	255, 279	Lift Cylinder - See Cylinder Parts List instructions on page 21	2
2	272, 285	Bucket Cylinder - See Cylinder Parts List instructions on page 21	2
3	L1810	Bottom 1 Hydraulic Oil Line	1
4	L1809	Bottom 2 Hydraulic Oil Line	1
5	L1808	Bottom 3 Hydraulic Oil Line	1
6	L1807	Bottom 4 Hydraulic Oil Line	1
7	DL5280	3/8" Connector Union	4
8	DL5282	3/8" x 3/8" x 3/8" Tee	4
9	DL29	3/8" Female Swivel	2
10	L1619	3/8" Male-Female Swivel Adapter	2
11	DL9769	3/8" x 90 degree Swivel Street Elbow	4
12	L2937	3/8" x 30" Hydraulic Hose	2
13	L2935	3/8" x 35" Hydraulic Hose	2
14	L3011	3/8" x 65-1/2" Hydraulic Hose	2



**MODEL 2070 HYDRAULIC SYSTEM
(FOR MODELS WITH SERIAL NO #45175 & UP)**

REF. NO.	PART. NO.	DESCRIPTION	QTY. REQ'D
1	255, 279	Lift Cylinder - See Cylinder Parts List instructions on page 21	2
2	310	Bucket Cylinder - See Cylinder Parts List instructions on page 21	2
3	L1810	Bottom 1 Hydraulic Oil Line	1
4	L1809	Bottom 2 Hydraulic Oil Line	1
5	L1808	Bottom 3 Hydraulic Oil Line	1
6	L1807	Bottom 4 Hydraulic Oil Line	1
7	DL5280	3/8" Connector Union	4
8	DL5282	3/8" x 3/8" x 3/8" Tee	4
9	L1619	3/8" Male-Female Swivel Adapter	4
10	DL9769	3/8" x 90 degree Swivel Street Elbow	4
11	L2937	3/8" x 30" Hydraulic Hose	2
12	L2935	3/8" x 35" Hydraulic Hose	2
13	L4347	3/8" x 46" Hydraulic Hose	2
14	L3011	3/8" x 65-1/2" Hydraulic Hose	2

CYLINDER PARTS LIST

1. Using chart below, find cylinder code number by matching diameter, stroke, and type.
2. Once the code number has been established, locate cylinder further in book and use correct reference number to locate part number.

CYLINDER PART NUMBER CODE

25HP10

Part Number

Part Description - Herd Plate, etc.

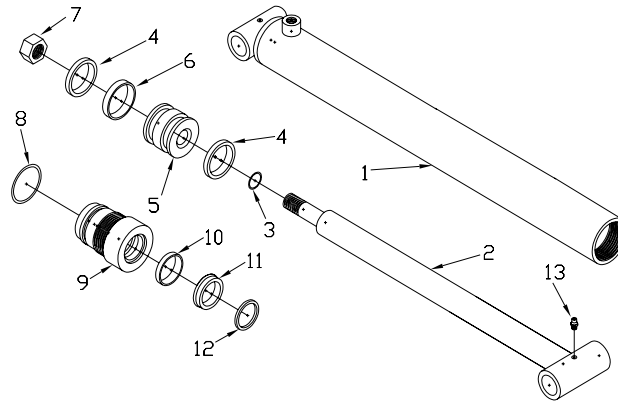
10 Means Fits Any Size of Cylinder

25 Means Used Most Commonly on 2-1/2" Cylinders

30 Means Used Most Commonly on 3" Cylinders

MODEL 2070 CYLINDER SPECIFICATIONS

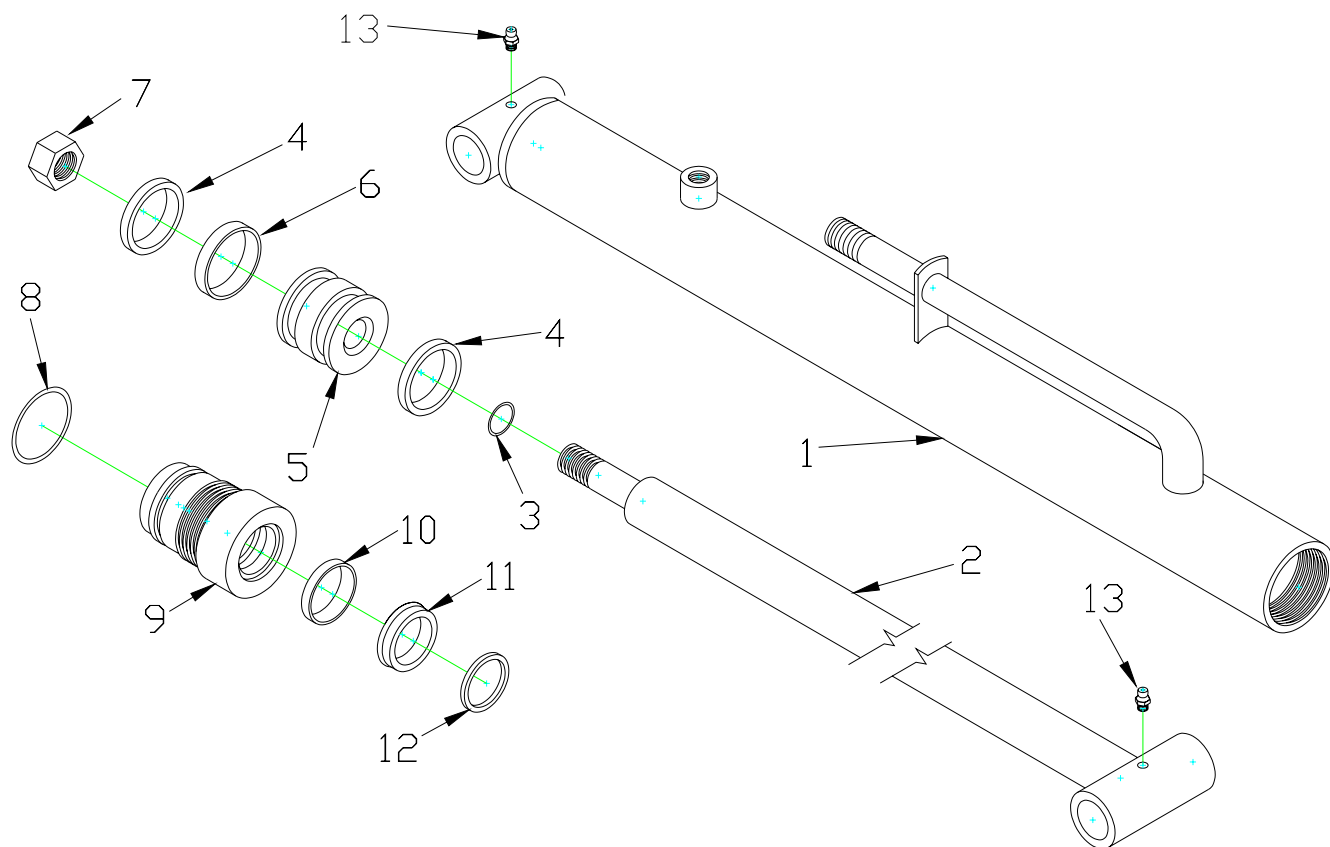
CODE NO.	DIAMETER	STROKE	C.C. LENGTH	SHAFT DIAMETER	TYPE	APPLICATION	PARTS LIST PAGE NO.
255	2-1/2"	27"	26-1/2"	1-1/2"	N4 - w/OIL LINE PORT	Bucket	22
272	3"	18"	35-1/2"	1-1/2"	N6 - w/90 DEG. PORT	Lift	27
279	3"	27"	35-1/2"	1-1/2"	N4 - w/90 DEG. PORT	Lift	26
285	3"	18"	26-1/2"	1-1/2"	N6 - w/OIL LINE PORT & 1-1/2" O.D. CROSS TUBE	Bucket	22
310	3"	18"	26-1/2"	1-1/2"	N6 - w/90 DEG. PORT & 1-3/4" O.D. CROSS TUBE	Bucket	25
313	3"	27"	35-1/2"	1-1/2"	N6 - w/OIL LINE PORT	Lift	28
315	3"	18"	26-1/2"	1-1/2"	N6 W/OIL LINE PORT & 1-3/4" CROSS TUBE	Bucket	24



**HYDRAULIC BUCKET CYLINDER ASSEMBLY
N4 TYPE (w/OIL LINE PORT)
(FOR MODELS PRIOR TO SERIAL NO. 40100)**

REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE
			272
1	30TU10	Tube Assembly - 3" x 18"	1
2	10SH14	Shaft - 1-1/2" x 18" - w/1" stud	1
3	10OR21	O-Ring - 1" I.D. x 1-1/8" O.D.	1
4	30CU2	U-Cups - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Plunger Block - 3"	1
6	30WR1	3" Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU4	1" N.F. Locking Nut	1
8	10OR3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP9	Head Plate - 1-1/2" Shaft w/Wear Ring Groove - (N4 type)	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

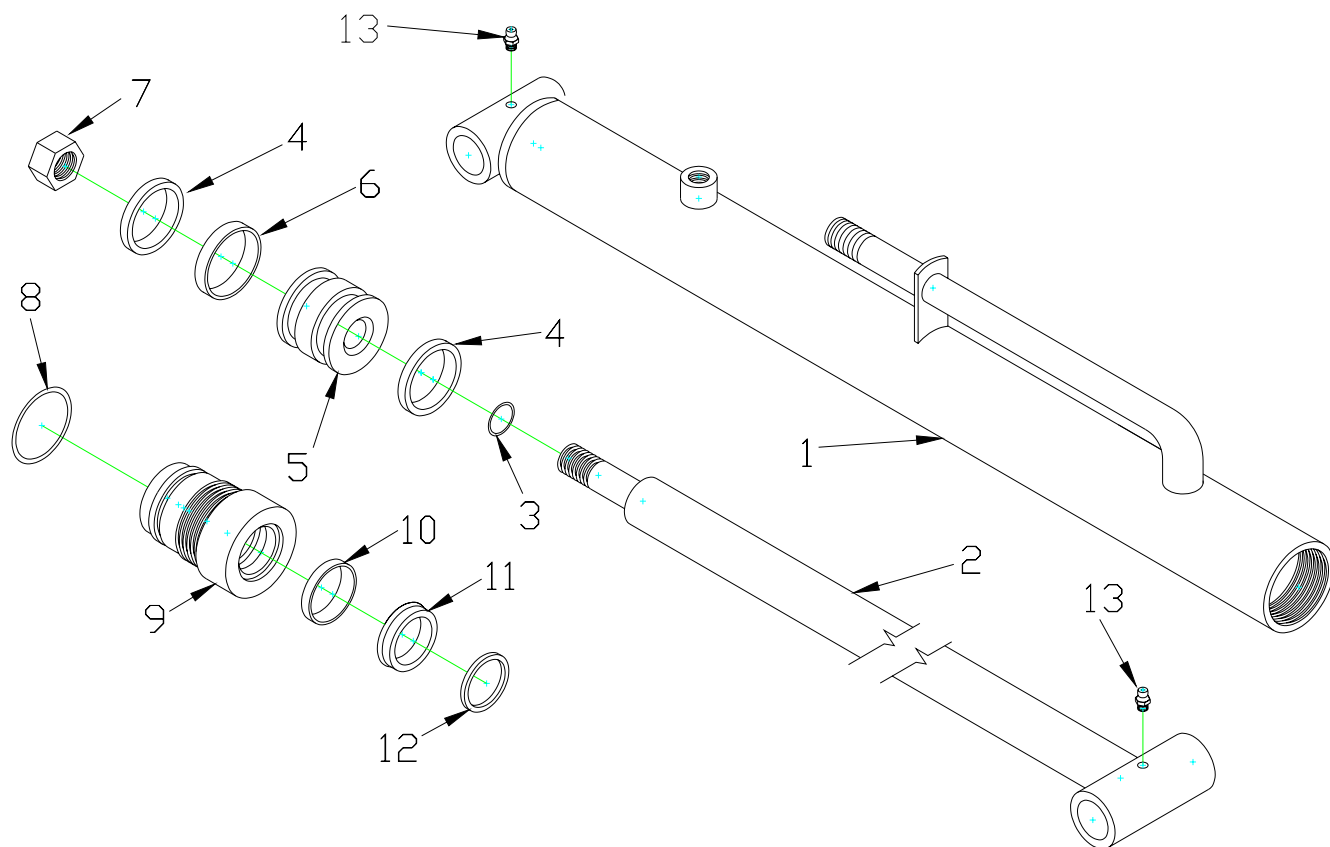
Refer to illustrations on page 29 to help determine cylinder type.



**HYDRAULIC BUCKET CYLINDER -
N6 TYPE (w/OIL LINE PORT)
(FOR MODELS WITH SERIAL NO# from 41251 to 43155)**

REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE
			285
1	30TU28	Tube Assembly - 3" x 18" - w/oil Line Port & 1-1/2" O.D. Cross Tube	1
2	10SH14	Shaft - 1-1/2" x 18" w/1" Stub	1
3	100R21	O-Ring - 1" I.D. x 1-1/8" O.D.	1
4	30CU2	U-Cups - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Plunger Block - 3"	1
6	30WR1	3" Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU4	1" N.F. Locking Nut	1
8	100R3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP11	Head Plate - 1-1/2" Shaft w/Wear Ring Groove - 3" Under Head Length	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

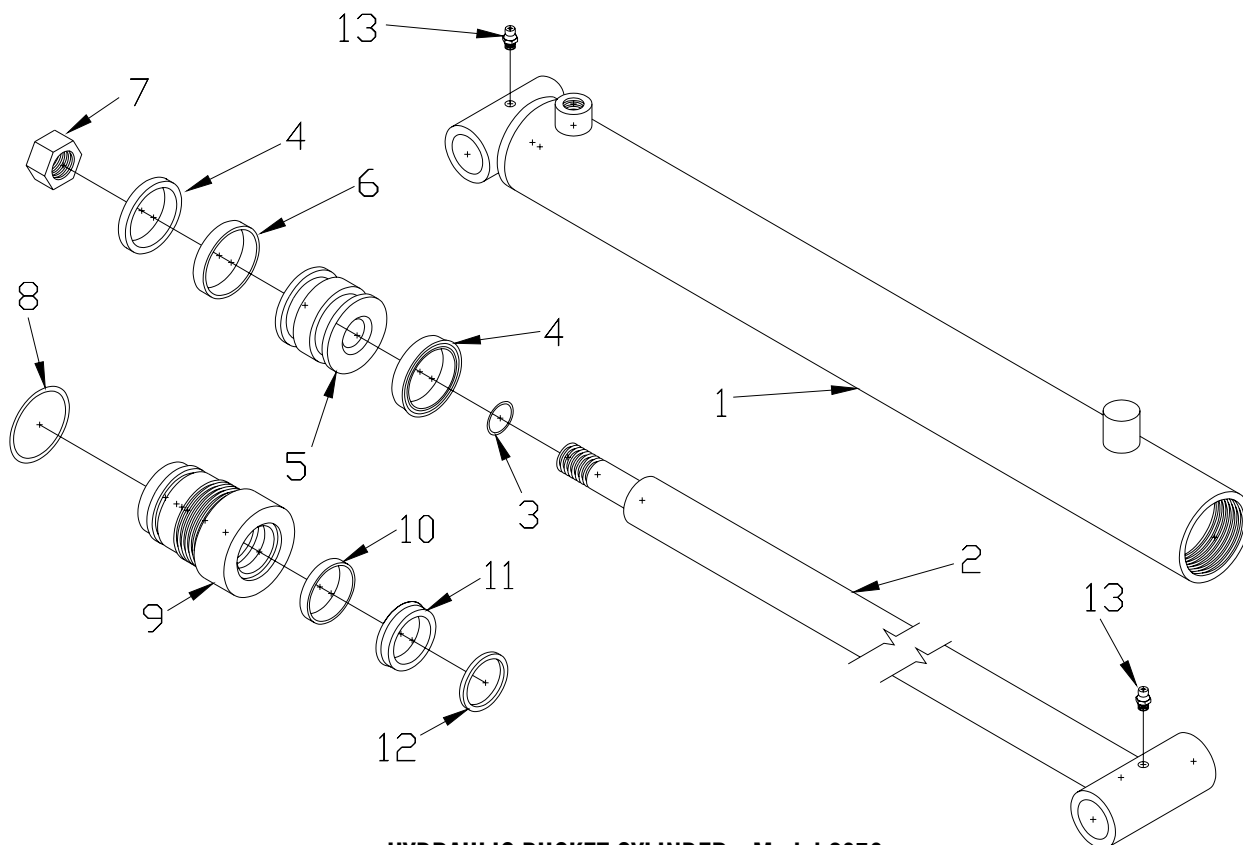
Refer to illustrations on page 29 to help determine cylinder type.



**HYDRAULIC BUCKET CYLINDER
N6 TYPE (W/OIL LINE PORT)
(FOR MODELS WITH SERIAL NO. From 43156 to 45146)**

REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE
			315
1	30TU35	Tube Assembly - 3" x 18" - w/oil line 1-3/4" O.D. Cross tube	1
2	10SH14	Shaft - 1-1/2" x 18" w/1" Stub	1
3	10OR21	O-Ring - 1" I.D. x 1-1/8" O.D.	1
4	30CU2	U-Cups - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Plunger Block - 3"	1
6	30WR1	3" Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU4	1" N.F. Locking Nut	1
8	10OR3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP14	Head Plate - 1-1/2" Shaft w/Wear Ring Groove - 2-5/8" Under Head Length	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

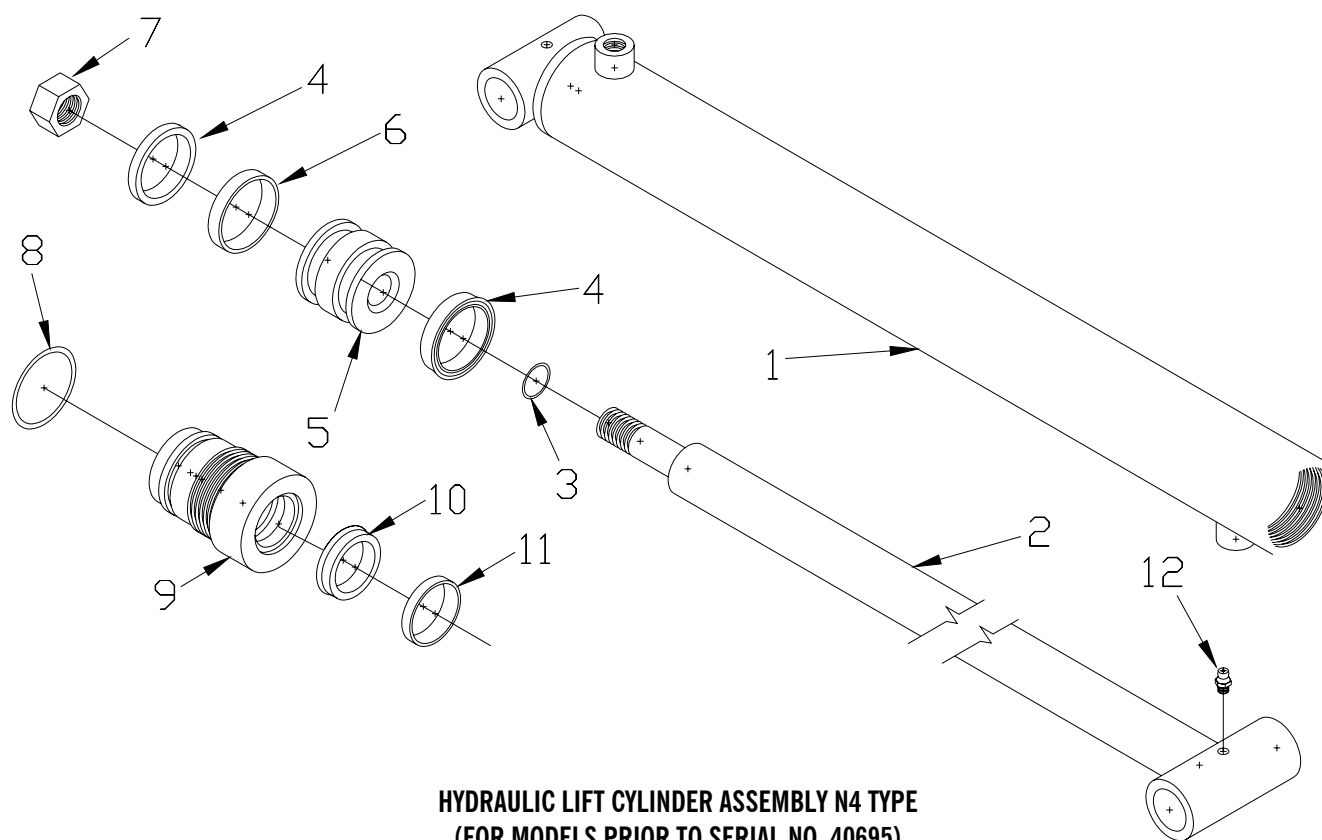
Refer to illustrations on page 29 to help determine cylinder type.



HYDRAULIC BUCKET CYLINDER - Model 2070
N6 TYPE (W/90 DEGREE PORT)
(FOR MODELS WITH SERIAL NO# 45147 & UP)

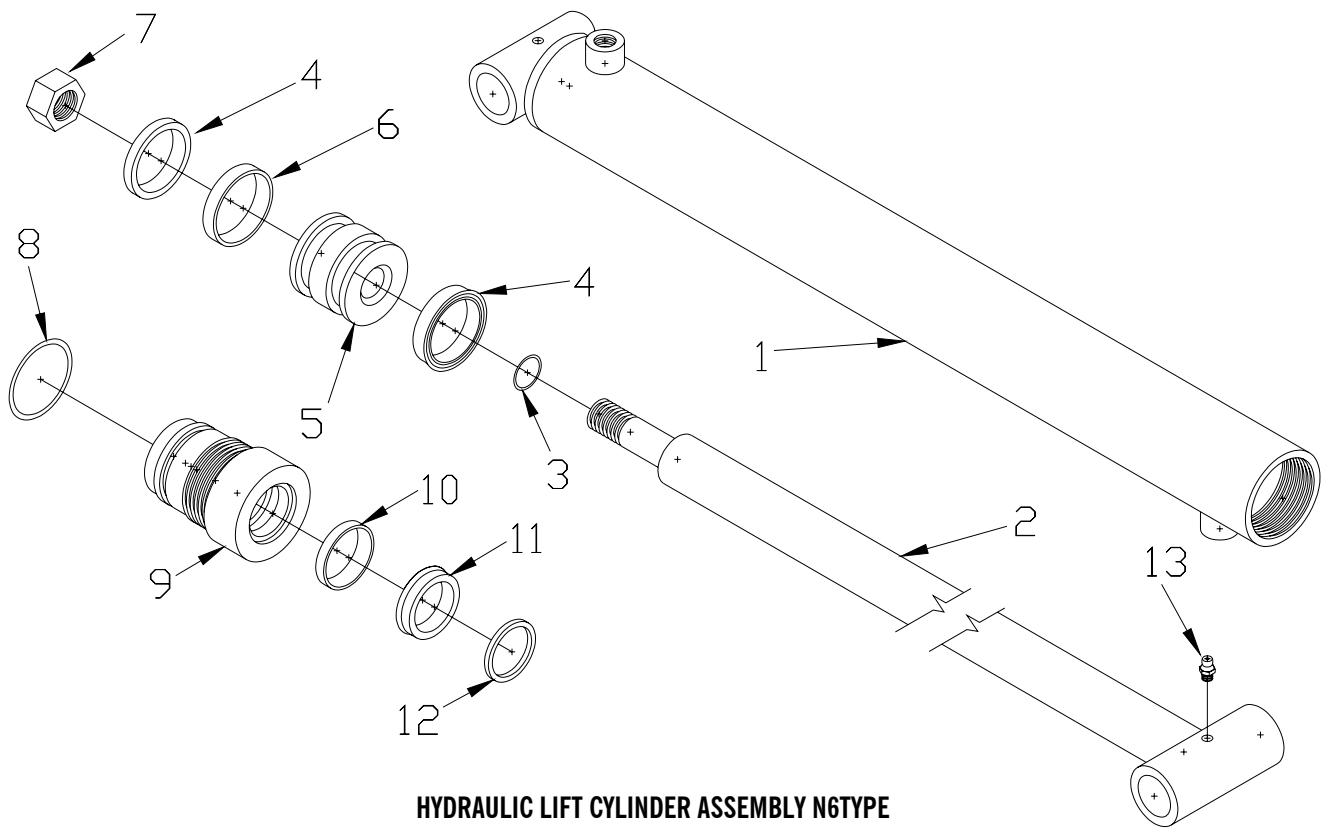
REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE
			310
1	30TU36	Tube Assembly - 3" x 18" - Order N6 type w/90 deg. port	1
2	10SH14	Shaft - 1-1/2" x 18" w/1" Stub	1
3	100R21	O-Ring - 1" I.D. x 1-1/8" O.D.	1
4	30CU2	U-Cups - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Plunger Block - 3"	1
6	30WR1	3" Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU4	1" N.F. Locking Nut	1
8	100R3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP14	Head Plate - 1-1/2" Shaft w/Wear Ring Groove - 2-5/8" Under Head Length	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

Refer to illustrations on page 29 to help determine cylinder type.



REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE 279
1	30TU26	Tube Assembly - 3" x 27"	1
2	10SH9	Shaft - 1-1/2" x 27" - w/3/4" stub	1
3	100R9	O-Ring - 3/4" I.D. x 7/8" O.D.	1
4	30CU2	U-Cup - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Plunger Block - 3"	1
6	30WR1	Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU5	3/4" N.F. Locking Nut	1
8	100R3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP9	Head Plate - 1-1/2" Shaft w/Wear Ring Groove (N4 type)	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

Refer to illustrations on page 29 to help determine cylinder type.



**HYDRAULIC LIFT CYLINDER ASSEMBLY N6TYPE
(W/90 DEGREE PORT)**

REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE 279
1	30TU26	Tube Assembly - 3" x 27"	1
2	10SH9	Shaft - 1-1/2" x 27" - w/3/4" stub	1
3	10OR9	O-Ring - 3/4" I.D. x 7/8" O.D.	1
4	30CU2	U-Cup - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Plunger Block - 3"	1
6	30WR1	Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU5	3/4" N.F. Locking Nut	1
8	10OR3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP9	Head Plate - 1-1/2" Shaft w/Wear Ring Groove (N4 type)	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

Refer to illustrations on page 29 to help determine cylinder type.

**HYDRAULIC LIFT CYLINDER- N6 TYPE
(FOR MODELS WITH SERIAL NO. 40695 & UP)**

REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE 279
1	30TU35	Tube Assembly - 3" x 27" - N6 Type	1
2	10SH9	Shaft - 1-1/2" x 27" - w/3/4" stub	1
3	100R9	O-Ring - 1" I.D. x 1-1/8" O.D..	1
4	30CU2	U-Cups - 2-1/2" I.D. x 3" O.D. x 3/8"	2
5	30PB2	Piston Block - 3"	1
6	30WR1	3" Wear Ring - 2-3/4" I.D. x 3" O.D. x 3/8"	1
7	10NU5	3/4" N.F. Locking Nut	1
8	100R3	O-Ring - 2-5/8" I.D. x 3" O.D.	1
9	30HP11	Head Plate - 1-1/2" Shaft w/Wear Ring Groove - 3" Under Head Length	1
10	10WR1	Head Plate Wear Ring - 1-1/2" I.D. x 1-3/4" O.D. x 1" Wide	1
11	10RS1	Rod Seal - 1-1/2" I.D. x 1-7/8" O.D. x 3/8"	1
12	10WS1	Wiper Seal - 1-1/2" I.D. x 2-1/8" O.D. x 3/16"	1
13	10GN1	1/4" - 28 Grease Fitting	2

Refer to illustrations on page 29 to help determine cylinder type.

EZEE-ON CYLINDER REPAIR SEAL KIT CODES

CODE 30 = 3" BORE

PART NO. 3015HR - N4

N4 - Thread Type Head

HR = Wear Ring in Head and Piston

15 = 1-1/2" Shaft

CYLINDER SEAL KITS

KIT NO.	CONTENTS			FITS CYLINDER CODE NO.
3015HR-N4-P	2 -	30CU2	2-1/2" I.D. x 3" O.D. x 3/8" U-Cup	272
	1 -	10RS1	1-1/2" I.D. x 1-7/8" O.D. x 3/8" Rod Seal	279
	1 -	10WR1	1-1/2" I.D. x 1-7/8" O.D. x 3/16" Wiper Seal	280
	1 -	30WR1	2-3/4" I.D. x 3" O.D. x 3/8" Wear Ring	
	1 -	10WR1	1-1/2" I.D. x 1-3/4" O.D. x 1" Wear Ring	
	1 -	100R27	2-5/8" I.D. x 3" O.D. O-Ring - 90 Durometer	
	1 -	100R21	1" I.D. x 1-1/8" O.D. O-Ring	
	1 -	100R9	3/4" I.D. x 7/8" O.D. O-Ring	
3015HR-N6	2 -	30CU2	2-1/2" I.D. x 3" O.D. x 3/8" U-Cup	310
	1 -	10RS1	1-1/2" I.D. x 1-7/8" O.D. x 3/8" Rod Seal	313
	1 -	10WS1	1-1/2" I.D. x 1-7/8" O.D. x 3/16" Wiper Seal	
	1 -	30WR1	2-3/4" I.D. x 3" O.D. x 3/8" Wear Ring	
	1 -	10WR1	1-1/2" I.D. x 1-3/4" O.D. x 1" Wear Ring	
	1 -	100R3	2-5/8" I.D. x 3" O.D. O-Ring	
	1 -	100R21	1" I.D. x 1-1/8" O.D. O-Ring	
	1 -	100R9	3/4" I.D. x 7/8" O.D. O-Ring	
2515h6	1 -	25CU2	2" I.D. x 2-1/2" O.D. x 3/8" U-Cups	253
	1 -	10RS1	1-1/2" I.D. x 1-7/8" O.D. x 3/8" Rod Seal	
	1 -	10WS1	1-1/2" I.D. x 1-7/8" O.D. x 3/16" Wiper Seal	
	2 -	25WR1	2-1/4" I.D. x 2-1/2" O.D. x 3/8" Wear Ring	
	1 -	100R20	2-1/8" I.D. x 2-1/2" O.D. O-Ring	
	1 -	100R9	3/4" I.D. x 7/8" O.D. O-Ring	

HEAD TYPE IDENTIFICATION

