

# OWNER'S/ OPERATOR'S MANUAL

**MODEL NO.'s**  
**HPD-16 HSS/P**  
**HPD-20 HSS/P**  
**HPD-24 HSS/P**

## **CAUTION**

For Safe Operation  
Read Rules And  
Instructions Carefully

SINO LEEINGLES, PIDA AYUDA  
A AIGUIEN QUE SI LO LEA  
PARA QUE LE TRADUZCA LAS  
MEDIDAS DE SEGURIDAD.



## **SKID STEER MOUNTED HYDRAULIC POST DRIVERS w/ Hydraulic Power Package**

**Safety Instructions**  
**Tractor Preparation**  
**Operating Instructions**

**Assembly & Mounting**  
**Maintenance**  
**Repair Parts**

## **CAUTION**

**THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE THOROUGHLY UNDERSTOOD  
BEFORE ATTEMPTING TO BEGIN ASSEMBLING THIS MACHINE**

1. Select an area for assembly that is clean and free of any debris which might cause persons working on the assembly to trip.
2. Do not lift heavy parts or assemblies. Use crane, jack, tackle, fork trucks or other mechanical devices.
3. Preview the assembly instructions in your operator's manual before proceeding further.
4. If the assembly instructions call for parts or assemblies to be blocked up, use only blocking material that is in good condition and is capable of handling the weight of the assembly to be blocked. Also insure that the blocking material is on a clean, dry surface.
5. Never put hands, or any part of body, under blocked up assemblies if at all possible.
6. After completing assembly, thoroughly inspect the machine to be sure that all nuts, bolts, hydraulic fittings or any other fastened assemblies have been thoroughly tightened.
7. Before operating the machine, thoroughly read the operation section of your operator's manual.
8. Before operating, read the maintenance section of your operator's manual to be sure that any parts requiring lubrication, such as gearboxes, are full, to avoid any possible damage.
9. **Before operating equipment – If you have any questions regarding the proper assembly or operation, contact your dealer or representative.**

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**SINO LEEINGLES, PIDA AYUDA A  
AIGUIEN QUE SI LO LEA PARA QUE  
LE TRADUZCA LAS MEDIDAS DE  
SEGURIDAD.**

## **STATEMENT OF POLICY**

It is the policy of Worksaver, Inc. to improve its products where it is possible and practical to do so. Worksaver, Inc. reserves the right to make changes or improvements in design and construction at any time, without incurring the obligation to make these changes on previously manufactured units.

## **TO THE OWNER :**

Read this manual before using your Hydraulic Post Driver. This manual is provided to give you the necessary operating and maintenance instructions for keeping your Hydraulic Post Driver in top operating condition. Please read this manual thoroughly. Understand what each control is for and how to use it. Observe all safety signs on the machine and noted throughout the manual for safe operation of implement. Keep this manual handy for ready reference.

Like all mechanical products, it will require cleaning and upkeep. Lubricate the Post Driver as specified.

Use only genuine Worksaver, Inc. service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model and serial number of your Post Driver here:

Model:\_\_\_\_\_ Serial Number:\_\_\_\_\_

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## **RETAIL CUSTOMER'S RESPONSIBILITY**

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

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

**It is the Retail Customer's responsibility to deliver the product to the authorized Worksaver Dealer, from whom he purchased it, for service or replacement of defective parts which are covered by warranty. Repairs to be submitted for warranty consideration must be made within forty-five (45) days of failure.**

**It is the Retail Customer's responsibility for any cost incurred by the Dealer for traveling to or hauling of the product for the purpose of performing a warranty obligation or inspection.**

# LIMITED WARRANTY



Worksaver warrants to the original purchaser of any new Hydraulic Post Driver, that the equipment be free from defects in material and workmanship for a period of six (6) months for non-commercial, state, and municipalities. Use sixty (60) days for commercial use from date of retail sale.

Replacement or repair parts installed in the equipment covered by this warranty are warranted for ninety (90) days from the date of purchase of such part or to the expiration of the applicable new equipment warranty period, whichever occurs later.

Such parts shall be provided at no cost to the user during regular working hours. Worksaver reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

## **DISCLAIMER OF IMPLIED WARRANTIES & CONSEQUENTIAL DAMAGES**

Worksaver's obligation under this warranty, to the extent allowed by law, is in lieu of all warranties, implied or expressed, including implied warranties of merchantability and fitness for a particular purpose and any liability for incidental and consequential damages with respect to the sale or use of the items warranted. Such incidental and consequential damages shall include but not be limited to: transportation charges other than normal freight charges; cost of installation other than cost approved by Worksaver; duty; taxes; charges for normal service or adjustments; loss of crops or any other loss of income; rental of substitute equipment, expenses due to loss, damage, detention or delay in the delivery of equipment or parts resulting from acts beyond the control of Worksaver.

## **THIS WARRANTY SHALL NOT APPLY:**

1. To vendor items which carry their own warranties, such as hydraulic motors, tires, and tubes.
2. If the unit has been subjected to misapplication, abuse, misuse, negligence, fire or other accident.
3. If parts not made or supplied by Worksaver have been used in connection with the unit, if, in sole judgement of Worksaver such use affects its performance, stability, or reliability.
4. If the unit has been altered or repaired outside of an authorized Worksaver dealership in a manner which, in the sole judgement of Worksaver affects its performance, stability or reliability.
5. To normal maintenance service and normal replacement items such as gearbox lubricant, hydraulic fluid, worn blades, or to normal deterioration of such things as belts and exterior finish, due to use or exposure.
6. To expendable or wear items such as teeth, chains, sprockets, belts, springs and other items that in the company's sole judgement is a wear item.

NO EMPLOYEE OR REPRESENTATIVE OF WORKSAVER IS AUTHORIZED TO CHANGE THIS WARRANTY IN ANY WAY OR GRANT ANY OTHER WARRANTY UNLESS SUCH CHANGE IS MADE IN WRITING AND SIGNED BY WORKSAVER'S SERVICE MANAGER, POST OFFICE BOX 100, LITCHFIELD, ILLINOIS 62056-0100.



# To the Owner/Operator/Dealer

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

## BEFORE YOU START!!

Read the safety messages on the implement and shown in your manual.

Observe the rules of safety and common sense!



### THIS SYMBOL MEANS

- ATTENTION!
- BECOME ALERT!
- YOUR SAFETY IS INVOLVED!

THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY WARNING MESSAGES. CAREFULLY READ EACH WARNING MESSAGE THAT FOLLOWS. FAILURE TO UNDERSTAND AND OBEY A SAFETY WARNING, OR RECOGNIZE A SAFETY HAZARD, COULD RESULT IN AN INJURY OR DEATH TO YOU OR OTHERS AROUND YOU. THE OPERATOR IS ULTIMATELY RESPONSIBLE FOR THE SAFETY OF HIMSELF, AS WELL AS OTHERS, IN THE OPERATING AREA OF THE SKID STEER AND ATTACHED EQUIPMENT.

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## UNDERSTAND SIGNAL WORDS

Note the use of the signal words **DANGER**, **WARNING** and **CAUTION** with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

**DANGER:** Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

**WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

**CAUTION:** Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If you have questions not answered in this manual or require additional copies or the manual is damaged, please contact your dealer or the manufacturer directly.

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## IMPORTANT SAFETY INFORMATION!

Working with unfamiliar equipment can lead to careless injuries. Read this manual, and the manual for your skid steer, before assembly or operating, to acquaint yourself with the machines. It is the Post Driver owner's responsibility, if this machine is used by any person other than yourself, is loaned or rented, to make certain that the operator, prior to operating:

1. Reads and understands the operator's manuals.
2. Is instructed in safe and proper use.



The use of this equipment is subject to certain hazards which cannot be protected against by mechanical means or product design. All operators of this equipment must read and understand this entire manual, paying particular attention to safety and operating instructions, prior to using. If there is something in this manual you do not understand, ask your supervisor, or your dealer, to explain it to you.



Most accidents occur because of neglect of carelessness. Keep all helpers and bystanders twenty-five feet (25') from an operating driver. Only properly trained people should operate this machine. It is recommended the skid steer be equipped with a Rollover Protection System (ROPS) and a seat belt that is used. Always engage parking or place transmission in "Park" before dismounting tractor. Never leave equipment unattended with the skid steer running.

## SAFETY INSTRUCTIONS (continued)



### EQUIPMENT SAFETY GUIDELINES



Safety of the operator is one of the main concerns in designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, or for you, follow them.



In order to provide a better view, certain photographs or illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace the shield prior to use.



Replace any CAUTION, WARNING, DANGER or instruction safety sign that is not readable or is missing. Location of such safety signs is indicated in this booklet.



Never use alcoholic beverages or drugs which can hinder alertness or coordination while operating this equipment. Consult your doctor about operating this machine while taking prescription medications.



Review the safety instructions with all users annually.



This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with machinery and trained in this equipment's operations. **Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works.**



To prevent injury or death, use a skid steer equipped with a Roll-Over Protective System (ROPS). Do not paint over, remove or deface any safety signs or warning signs on your equipment. Observe all safety signs and practice the instruction on them.



Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question – **DON'T TRY IT.**



Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.



In addition to the design and configuration of this implement, including Safety Signs and Safety Equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of the machine. Refer also to Safety Messages and Operation Instructions in each of the appropriate sections of the Skid Steer and Post Driver Manuals. Pay close attention to the Safety Signs affixed to the Skid Steer and the Post Driver.

## SAFETY INSTRUCTIONS (continued)



### **SAFETY SIGNS**



Keep safety signs clean and legible at all times.



Replace safety signs that are missing or have become illegible.



Replaced parts that displayed a safety sign should also display the current sign.



Safety signs are available from your Distributor or Dealer Parts Department or the factory.

### **How to Install Safety Signs:**

- Be sure that the installation area is clean and dry.
- Be sure temperature is above 50°F (10°C).
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the sign over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the sign in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of sign backing paper.



### **PREPARATION**



Never operate the skid steer and post driver until you and the operator have read and completely understand this manual, the Skid Steer Operator's Manual, and each of the Safety Messages found on the safety signs on the skid steer and post driver.



Personal protection equipment including hard hat, safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustment, maintaining, repairing, removal, or moving the implement. Do not allow long hair, loose fitting clothing or jewelry to be around moving parts.



#### **PROLONGED EXPOSURE TO LOUD NOISE MAY CAUSE PERMANENT HEARING LOSS!**

Skid Steer units with or without attachments can often be noisy enough to cause permanent, partial hearing loss. We recommend that you wear hearing protection on a full-time basis if the noise in the Operator's position exceeds 80db. Noise over 85db on a long-term basis can cause severe hearing loss. Noise over 90db adjacent to the Operator over a long-term basis may cause permanent, total hearing loss. **NOTE:** Hearing loss from loud noise (from engines, chain saws, radios, and other such sources close to the ear) is cumulative over a lifetime without hope of natural recovery.



Ensure post driver is properly mounted, adjusted and in good operating condition.

## SAFETY INSTRUCTIONS (continued)



Please remember it is important that you read and heed the safety signs on the post driver, and the safety rules set forth. Clean or replace all safety signs if they cannot be clearly read and understood. They are there for your safety as well as the safety of others. The safe use of this machine is strictly up to you, the operator.



All things with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes potential hazards and follows reasonable safety practices. The manufacturer has designed this driver to be used with all its safety equipment properly attached, to minimize the chance of accidents. Study this manual to make sure you have all safety equipment attached.



Make sure that all operating and service personnel know that in the event hydraulic fluid penetrates the skin, it must be surgically removed within a few hours by a doctor familiar with this form of injury, or gangrene may result.



If a safety shield or guard is removed for any reason, it must be replaced before the machine is again operated.



Before servicing the machine, engage the parking brake or place the transmission in "Park", shut off the skid steer and remove the key. Relieve all hydraulic pressure in lines.



When the use of hand tools is required to perform any part of assembly, installation, adjustment, maintaining, repairing, removal, or moving the driver, be sure the tools used are designed and recommended by the tool manufacturer for that specific task.



Personal protection equipment including hard hat, safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustment, maintaining, repairing, removal, or moving the driver. Do not allow long hair, loose fitting clothing or jewelry to be around moving parts.



Always use two people or a mechanical lift device to handle heavy, unwieldy components during assembly, installation, removal, or moving the driver.



Never place any part of your body where it would be in danger if movement should occur during assembly, installation, operation, maintaining, repairing, removal, or moving the driver.



Never place yourself near the skid steer unit and post driver while post driver is in operation.



Do not walk or work under a raised driver ram unless it is securely blocked or held in position. Do not depend on the hydraulic system to hold the driver ram in place.



Never leave post driver ram in the raised position. Always lower ram to the ground or to the transport position and install the transport lock pin before transporting or storing.






















A heavy load can cause instability of the skid steer unit. Use extreme care during travel. Slow down on turns and watch out for bumps.



Do not allow riders on the driver or skid steer at any time. There is no safe place for any riders.

## SAFETY INSTRUCTIONS (continued)

-  Before you operate the driver, check over all pins, bolts and connections to be sure all are securely in place. Replace any damaged or worn parts immediately.
-  Consult local utility companies to make certain there are no buried gas lines, electrical cables, etc., in the work area before beginning operation.
-  Do not allow anyone who is not familiar with the safety rules and operation instructions to use this Post Driver.
-  Never allow children to operate or be around this Post Driver.
-  Never allow anyone to walk or work under a raised loader.
-  Clear the work area of objects which might cause operator to trip or fall.
-  Do not operate post driver on steep hillsides. When installing posts on uneven or hilly terrain, position the skid steer unit with the post driver uphill. This way if any movement of the skid steer should occur, it will be away from the post driver operator. Use extreme care when working on inclines and hillsides.
-  Never position the post by hand. Always use Post Holder Tool.
-  Beware of low electrical wires when loader is raised. Serious injury or death can result if contact is made.
-  Beware of lift clearance when raising loader. Watch out for low overhead electrical wires and limbs when operating or transporting the post driver. Check clearance of doorways when entering a building.
-  Be sure post is cut "SQUARE" on top. Angle cut post can "KICK OUT" of driver and injure the operator.
-  Install transport lock pin and pin clip before transporting or storing the post driver. NEVER INSERT FINGER IN TRANSPORT PIN HOLE TO CHECK ALIGNMENT. Finger could be sheared off if driving ram moves.
-  Keep hands, feet, hair, jewelry, and clothing, away from all moving parts.
-  Do not operate the Post Driver without all safety shields and guards in place.
-  Operate loader from operator's seat only. Remain at controls until operating cycle is complete.
-  Operate the loader controls smoothly, avoiding jerky operation. Stop loader gradually when lowering or lifting loads.
-  Do not lift or carry anyone on loader or in bucket or on post driver attachment.
-  ALWAYS lower loader to the ground and lower post driver ram or block securely before performing any maintenance work.
-  Observe Safety Recommendations in loader instruction manual. Always use care when operating a Post Driver.



## SAFETY INSTRUCTIONS (continued)



### **TRANSPORT SAFETY**



Comply with state and local laws governing highway safety and movement of machinery on public roads.



The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.



When driving the skid steer unit and equipment on the road or highway under 20 mph (32 kph) at night or during the day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem. Reduce speed on rough roads and surfaces.



When maneuvering close to buildings or passing through narrow areas, be sure to allow sufficient clearance for the skid steer, loader, and post driver. Drive slowly.



Always be sure the implement is in the proper raised position for transport.



Reduce speed when transporting mounted implements to avoid bouncing and momentary loss of steering control.



Always install transport locks, pins or brackets before transporting.



Watch out for low overhead electrical wires and limbs when operating or transporting the post driver. Check clearance of doorways when entering a building.



Do not drink and drive!



Watch for traffic when operating near or crossing roadways.



Turn curves or go up or down hills only at a low speed and at a gradual steering angle. Slow down on rough or uneven surfaces, and loose gravel.



Use extreme care and maintain minimum ground speed when transporting on hillside, over rough ground and when operating close to ditches or fences. Be careful when turning sharp corners.



Never allow riders on either skid steer or implement. Falling off can kill.



Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.
















Plan your route to avoid heavy traffic.

## SAFETY INSTRUCTIONS (continued)



### **MAINTENANCE SAFETY**

-  Inspect the entire machine periodically as indicated in the Maintenance Section of this manual. Look for loose fasteners, work or broken parts, pinched hydraulic hoses, and leaky or loose fittings. Make sure all pins have cotter pins and washers. Serious injury may occur from not maintaining this machine in good working order.
-  Follow good shop practices.
  - Keep service area clean and dry.
  - Be sure electrical outlets and tools are properly grounded.
  - Use adequate light for the job at hand.
-  Make sure there is plenty of ventilation. Never operate the engine of the vehicle in a closed building. The exhaust fumes may cause asphyxiation.
-  Before working on this machine, drive to a level area, disengage the PTO, lower implement (or if working underneath, raise and block securely), shut off the engine, set the brakes, and remove the ignition keys.
-  Be certain all moving parts on attachments have come to a complete stop before attempting to perform maintenance.
-  Do not work under a raised loader unless it is securely blocked or held in position. Do not depend on the hydraulic system to hold the implement in place.
-  Keep all persons away from operator control area while performing adjustments, service, or maintenance.
-  Always use personal protection devices such as eye, hand and hearing protectors, when performing any service or maintenance.
-  Periodically tighten all bolts, nuts and screws and check that all cotter pins are properly installed to ensure unit is in a safe condition.
-  When completing a maintenance or service function, make sure all safety shields and devices are installed before placing unit in service.
-  Remove hydraulic pressure prior to doing any maintenance. Place the driver ram on the ground or securely blocked up, disengage the PTO, and turn off the engine. Push and pull the remote cylinder lever in and out several times to relieve hydraulic pressure.
-  Never use your hands to locate a hydraulic leak on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate the skin.
-  Openings in the skin and minor cuts are susceptible to infection from hydraulic fluid. If injured by escaping hydraulic fluid, see a doctor at once. Gangrene and death can result. Without immediate medical treatment, serious infection and reactions can occur.

## SAFETY INSTRUCTIONS (continued)



### **MAINTENANCE SAFETY (continued)**



After servicing, be sure all tools, parts and service equipment are removed.



Check to ensure all safety signs are installed and in good condition. (See safety sign section for location drawing.)



Do not allow grease or oil to build up on any deck or platform.



Never replace hex bolts with less than grade five bolts unless otherwise specified, i.e. shear bolts. Refer to bolt torque chart for head identification marking.



Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. The manufacturer will not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of their use.



If equipment has been altered in any way from original design, the manufacturer does not accept any liability for injury or warranty.



A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment.



### **STORAGE SAFETY**



Following operation, or when unhooking, stop the skid steer unit, set the brakes, lower loader to ground, lower ram to lowest position and engage transport lock pin, disengage the PTO, shut off the engine and remove the ignition keys.



Install the cylinder locking straps on the two hydraulic positioning cylinders to lock the ram in an upright position.



Do not park equipment where it will be exposed to livestock for long periods of time. Damage and livestock injury could result.



Do not permit children to play on or around the stored unit. Store the unit in an area away from human activity.



Make sure all parked machines are on a hard, level surface and engage all safety devices.



If blocking is used, make sure it is solid and secure before leaving area.

## SAFETY INSTRUCTIONS (continued)



### **SAFETY TRAINING**



Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator.



In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.



It has been said, "The best safety device is an informed, careful operator." We ask you to be that kind of an operator. It is the operator's responsibility to read and understand ALL Safety and Operating instructions in the manual and to follow these. Accidents can be avoided.



Working with unfamiliar equipment can lead to careless injuries. Read this manual, and the manual for your tractor, before assembly or operating, to acquaint yourself with the machines. It is the post driver owner's responsibility, if this machine is used by any person other than yourself, is loaned or rented, to make certain that the operator, prior to operating:

1. Reads and understands the operator's manuals.
2. Is instructed in safe and proper use.



Know your controls and how to stop tractor, engine, and driver quickly in an emergency. Read this manual and the one provided with your skid steer unit.



Train all new personnel and review instructions frequently with existing workers. A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.



Do not allow children to operate this machine.

# SAFETY SIGNS



## CAUTION!

1. Read and follow instruction manual before installing, operating, or performing maintenance on Post Driver.
2. Never place any part of your body under the driving ram when it is in the raised position.
3. Watch out for low overhead electrical wires and limbs when operating the Post Driver.
4. Make sure all helpers are familiar with safety rules. Never let a child or inexperienced person assist.
5. Use extra care when working on slopes. Be sure tractor brakes are set and that Post Driver is aligned vertically before driving a post.
6. Be sure all bystanders are a least 25 ft. away when driving a post.
7. Be sure post is cut "SQUARE" on top. Angle cut posts can "KICK OUT" of Driver and injure the operator.
8. Select only "GOOD, SOLID" posts for driving. Poor quality posts can split or splinter and injure the operator. Always wear gloves and safety glasses when driving a post. Use the special post holder tool provided (**NOT YOUR HAND**) when starting a post.
9. Install transport lock pin and pin clip before transporting or storing the Post Driver. **NEVER INSERT FINGER IN TRANSPORT PIN HOLE TO CHECK ALIGNMENT. Finger could be sheared off if Driving Ram moves.**
10. Always use the special STEEL T-POST Holder when driving steel T-posts (see Figure A). Order part #814490.

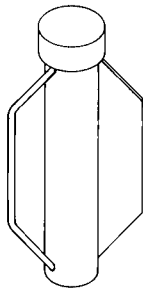
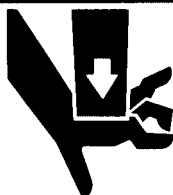


FIG. A



## WARNING



**AVOID SERIOUS INJURY**  
NEVER PUT HAND OR  
FINGERS BETWEEN  
DRIVING RAM AND POST

**FAILURE TO HEED WILL  
RESULT IN INJURY**

101058



## WARNING

**AFTER TRACTOR IS POSITIONED:  
SET BRAKE SECURELY - PUT TRANSMISSION IN PARK**

**WHEN OPERATING:  
NEVER STAND DIRECTLY IN FRONT OF POST DRIVER  
STAND AT A [45°] ANGLE TO THE SIDE.**

**USE SAFETY POST HOLDER ONLY FOR INITIAL PENETRATION.  
WHEN POST IS SELF-STANDING, STEP ASIDE.**

**FAILURE TO HEED THE ABOVE MAY RESULT IN  
PERSONAL INJURY OR DEATH.**

101057



## CAUTION

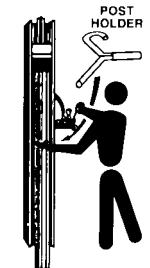
**ALWAYS WEAR SAFETY  
GLASSES TO PREVENT  
EYE INJURY.**

101070



## SAFETY INSTRUCTIONS

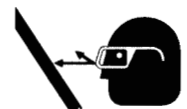
1. READ THE OPERATORS MANUAL BEFORE OPERATING THE POST DRIVER.
2. SET BRAKES OR PLACE AUTOMATIC TRANSMISSION IN "PARK" BEFORE DRIVING POSTS.
3. STAND AT A 45° ANGLE TO THE DRIVING RAM. DO NOT STAND IN FRONT OF THE DRIVING RAM. START THE POST WITH A FEW SHORT STROKES UNTIL THE POST IS IN FAR ENOUGH TO HOLD ITS POSITION BY ITSELF. THEN STAND BACK AND FINISH DRIVING THE POST. THE POST DRIVER MUST BE OPERATED BY ONE PERSON ONLY.
4. USE THE SAFETY POST HOLDER TO START POSTS. THEN REMOVE TO FINISH DRIVING POST. NEVER HOLD A POST WITH YOUR HAND.
5. ALWAYS USE STEEL POST SAFETY GUIDE WHEN DRIVING STEEL POSTS.
6. FAILURE TO HEED CAN RESULT IN PERSONAL INJURY OR DEATH.



101056



## WARNING



### HIGH-PRESSURE FLUID HAZARD

To prevent serious injury or death:

- Relieve pressure on system before repairing or adjusting or disconnecting.
- Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands.
- Keep all components in good repair.

SW700

# INSTRUCTIONS

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## SKID STEER REQUIREMENTS AND PREPARATION

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The hydraulic positioning skid steer post driver mount is designed to fit skid steer units with the “Universal” (Bobcat) style quick-attach loaders.

The model 16, 20, and 24 post drivers vary as to the size post they can drive and the amount of impact force they can strike a post with. (Refer to Specifications.)

A larger size skid steer unit is required in relation to the size of driver used. A general rule is that the skid steer specified operation lift capacity should be at least 1.25 times the weight of the post driver attachment.

The model 16, 20, and 24 HSS/P post drivers have a hydraulic motor with a self-contained hydraulic system. The hydraulic system of the skid steer unit powers the motor only.

The models HPD-16 HSS/P, HPD-20 HSS/P, and HPD-24 HSS/P have the driving ram positioning controlled hydraulically. A two spool hydraulic valve controls the front to back and side to side movement for aligning to a vertical ram position. A separate single spool valve controls the raising and lowering of the driving ram.

A post driver is equipped with adjustable legs which should be adjusted to the proper height and have the weight of the driver on them while driving the post. This makes the driver a more stable unit and eliminates shock loads on the skid steer loader.

Remove the bucket from your Skid Steer unit. Check the loader arms and cylinders to make sure they are in good working order. Lubricate all loader pivot points. Check all bolts to make sure they are in place and tight.

Be sure that the skid steer unit is in good working order, particularly the hydraulic system, prior to using the post driver. Be sure the skid steer hydraulic oil and filter have been serviced according to the skid steer manufacturer's recommendations.



Be sure your skid steer and loader is in good condition. Read all the safety precautions and make sure all operators are familiar with the safety rules of operation.

The hydraulic valve that operates the driving ram is a convertible valve and is shipped ready for OPEN center hydraulic systems. Do not change this valve to a closed-center valve. This convertible feature is only required for some farm tractor applications.

Post drivers are a tall attachment to your skid steer unit. Always watch for low clearance problems such as low tree limbs, doorways, or low hanging wires.



**A heavy load can cause instability in driving a skid steer unit. Always drive slowly – especially around turns. An unstable skid steer unit could steer badly and possibly tip over, causing damage, injury or even death.**



**Post drivers are tall and visibility of the top of the post driver may be obstructed by the top of the skid steer unit operators cab. Always be aware of low doorways, low limbs, and especially low hanging wires.**

## PACKAGING

---

The Post Driver is shipped as bundles.

1. The hydraulic base mount unit, partially pre-plumbed.
2. The driving ram assembly, on a pallet.
3. A hydraulic package for the ram, in a carton.
4. A hydraulic package for the hydraulic base, in a carton.

Please inspect these bundles for any obvious signs of damage before attempting to assemble the Post Driver. Unpack all the bundles and lay out the various parts.

**REPLACE SAFETY SIGNS  
IF DAMAGED OR MISSING.**

# INSTRUCTIONS (continued)

## ASSEMBLY & MOUNTING

The following procedure is recommended for assembling the Skid Steer Mounted Post Driver.

Carefully follow instructions for final assembly.

Before attempting assembly check the following items. Having all the needed parts and equipment readily at hand will speed up your assembly task and will make the job as safe as possible.

- Check for fasteners and pins that were shipped with the post driver. Some hardware coming from the factory has been installed in the location where it will be used. If a part or fastener is temporarily removed for assembly reasons, remember where it goes. Keep the parts separated.
- Have a fork lift or loader along with chains and safety stands that are sized for the job ready for the assembly task.
- Have a minimum of 2 people at hand during assembly.
- Check to see that all nuts are properly tightened.

Refer to the “exploded view” of the skid steer mounted post driver on pages 25 thru 35 of this manual. Become familiar with the relationship of the various components and parts shown.

1. Connect the post driver base mount (manual or hydraulic) to the “universal” quick-attach plate on your skid steer loader. Flip the spring loaded latch pins to the “latch lock” position and check to see they are properly latched.

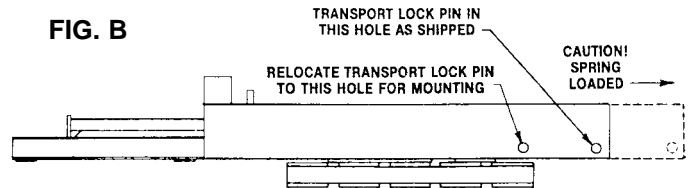
Raise the unit about 2½ ft. from the ground and lower the adjustable stabilizer legs on each side of the mounting frame. Pin each leg into position.

Operate the bucket tilt cylinders until the mounting frame is vertical and then lower until the legs are supporting the unit.

2. The hydraulic base mount is shipped with the hydraulic system partially plumbed and ready to accept the driving ram assembly. The multi-spool valve and mounting plate may be detached and shrink wrapped in place. Simply remove the shrink wrapping, swing the mounting plate into position and install the mounting bolts.
3. Prepare the driving ram for attaching to the hydraulic base mount. To do this, first lower the driving ram to its lowest transport position. The driving ram is shipped in the upper transport position for compactness. To lower the ram, pull the transport lock pin,

allow the ram to lower (approximately 10 inches) and replace the transport lock pin. This should be done with the Driver laying on the shipping pallet. The ram is spring loaded downward. Stand clear of the ram when the pin is removed (see Figure B).

**NOTE:** This step of repositioning the driving ram is necessary in order to make the mounting bolts at the correct height when the unit is stood upright for the next step.



4. Attach the driving ram assembly to the hydraulic base mount. A chain hoist or forklift can be used to stand the driving ram assembly to its normal (vertical) working position. Take care not to damage the hydraulic cylinder or carriage when lifting the unit. Once the ram assembly is upright, remove the six (6) nuts and lock washers from the mounting bolts.

Align the mounting bolts with the six (6) holes in the mounting channel and secure with the nuts and lock washers. The mounting channel on the hydraulic base mount will probably have to be positioned by hand to get the mounting channel and carriage lined up.

**NOTE:** The mount is shipped with straps that lock the hydraulic cylinders. To assemble the unit, it may be necessary to remove the straps. It is important to re-install the straps once the unit is assembled.

**NOTE:** The driving ram assembly will be unstable until the hydraulic cylinders are filled with oil once all plumbing is completed.

**NOTE:** One mounting bolt goes into a blind hole and does not get a nut and lock washer. Due to trapped air, it may be necessary to operate the control levers on the multi-spool valve to position the mounting channel on the hydraulic base unit. Plastic hose end caps may have to be removed to allow trapped air in the hydraulic cylinders to escape. **DO NOT ATTEMPT TO CONNECT THE VALVE TO THE SKID STEER AND OPERATE IT AT THIS TIME.** When properly mounted, the bottom of the driving ram should be resting on the same level surface as the mounting base.

## INSTRUCTIONS (continued)

### ASSEMBLY (continued)

5. Install the hydraulic package that came with the driving ram assembly at this time.

Use a good grade hydraulic thread sealant at all thread connections. (Do NOT use Teflon tape sealer.)

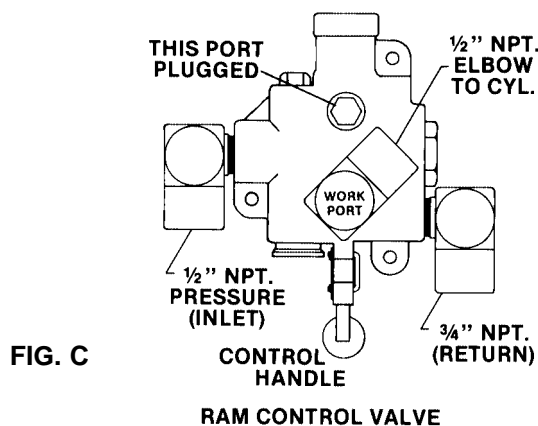


FIG. C

Install the fittings in the ram control valve as shown in Figure C before bolting the valve to the valve mounting bracket (Ref. #6 on page 25).

**NOTE:** The same bolts that connect the valve to the mounting bracket also hold the valve handle stop bracket (refer to page 25 to best see how the parts go together).

Connect the 3/4" I.D. x 24" long hose from the control valve work port to the Post Driver hydraulic cylinder port.



**WARNING !**

**MAKE SURE THAT ALL OPERATING AND SERVICE PERSONNEL KNOW THAT IN THE EVENT HYDRAULIC FLUID PENETRATES THE SKIN, IT MUST BE SURGICALLY REMOVED WITHIN A FEW HOURS BY A DOCTOR FAMILIAR WITH THIS FORM OF INJURY, OR GANGRENE MAY RESULT.**



**SAFETY . . . YOU CAN LIVE WITH IT!**

### HYDRAULIC CONNECTIONS

See Figure D for a view of the hoses and fitting to correctly orient them to the valves.

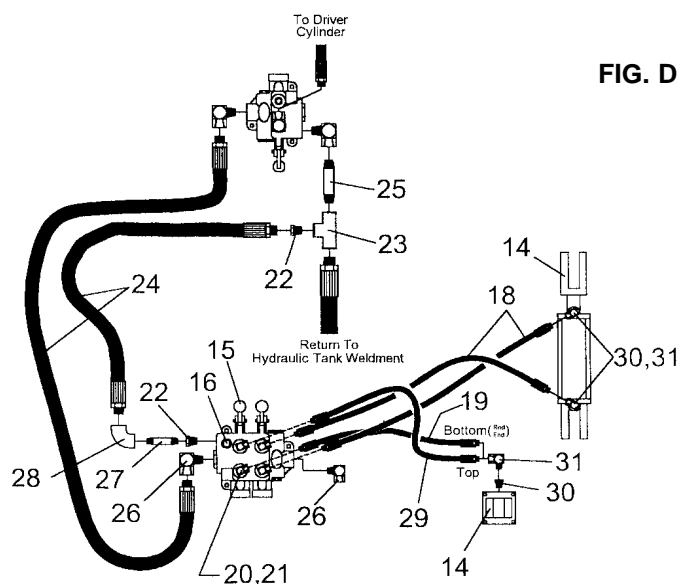


FIG. D

**MOUNT ASSEMBLY:** Connect a 3/8" I.D. x 36" long hose from the inlet side of the ram control valve to the 90° street elbow in the 2 spool valve.

Refer to Figure D and assemble the 3/4" x 3" pipe nipple, the 3/4" pipe tee, and 3/4" to 1/2" reducer bushing (Ref. #'s 25, 23, 22) to the 3/4" outlet port fitting in the single spool ram control valve. Then connect a 3/8" I.D. x 36" long hose from the reducer bushing to the 1/2" 90° elbow, that is connected to the two spool valve.

Connect the 3/4" I.D. x 48" long return line from the bottom of the 3/4" pipe tee (Ref. #23) on the ram control valve to the hydraulic tank.

Check all hose and fitting connections. Make sure the hoses are not twisted or kinked and that they will not be pinched during operation of the post driver or the skid steer unit.

Pour 5 gallons of good quality hydraulic oil in the reservoir (this will temporarily fill tank above sight glass). Operate unit and cycle each hydraulic cylinder to fill with oil. Then check sight glass and add oil if necessary.



## INSTRUCTIONS (continued)

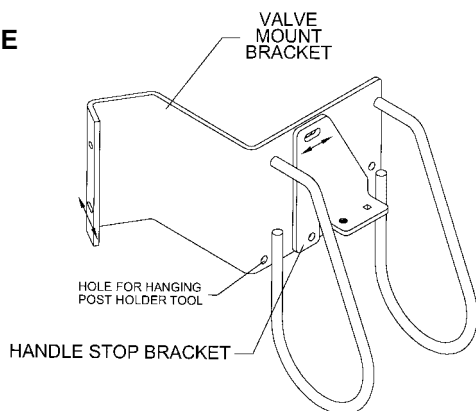
### ASSEMBLY (continued)

**NOTE:** Route the hoses to the skid steer so that they will not be pinched or caught by the movement of the positioning mount

Nylon tie straps and special hose clamps and instructions are included with each return line kit that is designed for a specific brand of skid steer unit

6. Stand clear of the driving ram assembly and raise the completely assembled unit approximately 6 inches with the skid steer loader. The driving ram assembly will probably lean out of its normal position. Operate the hydraulic valve so that oil flows from the skid steer to the multi-spool valve and ram control valve and returns to the hydraulic reservoir. The skid steer engine should be operated at an idle until the system is charged with oil. Remove the two cylinder locking straps from the positioning cylinders. Now operate the hydraulic levers on the multi-spool valve. This should cause the driving ram assembly to pivot, side to side and front to rear. The cylinders will have to be cycled several times to remove all the air from the cylinders and lines. Be sure to check the skid steer hydraulic oil level after charging the system. Special orifice fittings have been installed at the hydraulic cylinder ports to restrict the flow and cause the cylinders to operate in a slow, smooth manner.
7. Attach the circular (bulls-eye) level as shown in the parts illustration. Adjust the alignment of the level as follows: using a 2' or longer carpenter's level, adjust the driving ram with the multi-spool valve until the ram is plumb front to back and side to side. Tilt the top of the driving ram slightly to the rear to allow for recoil when the ram drops. Now adjust the valve mounting bracket and the handle stop bracket so the level bubble is centered in the level circle (see Figure E), then tighten all bolts.

FIG. E



### LUBRICATION

The Post Driver is designed with "SPECIAL" polyethylene slide blocks for long, trouble-free operation.

- Oil or grease applied to the slide channel will make the operation smoother and if applied after use will help keep rust from forming in the channel.
- There are grease fittings on the large side to side pivot tube and on all the manual threaded tilt adjustment nuts. A few shots of grease at the beginning of the work day is recommended.
- Smear grease over the exposed portion of the plated hydraulic cylinder rod after use to help prevent pitting and rust from forming. If Post Driver is going to be stored outside this is very important.
- The hydraulic control base has a grease fitting on the large, side to side, pivot tube and one on the lower, front to rear, pivot pin.

**REPLACE  
SAFETY SIGNS  
IF DAMAGED  
OR MISSING.**

***Keep children away from  
danger all day, every day!***

# OPERATING INSTRUCTIONS

## BEFORE YOU START

Review the assembly instructions to be sure the Driver is properly assembled and plumbed correctly for your skid steer hydraulic system. Be sure the skid steer unit's hydraulic oil and filter have been serviced according to the skid steer units manufacturer's recommendations before using the Post Driver.

## PRE-OPERATION CHECKLIST

### (OWNER/OPERATOR RESPONSIBILITY)

- \_\_\_\_ Review and follow safety rules and safety signs on pages 1 through 12.
- \_\_\_\_ Check that Post Driver is properly and securely attached to skid steer loader.
- \_\_\_\_ Lubricate all grease fitting locations.
- \_\_\_\_ Check that all hardware is properly installed.
- \_\_\_\_ Check that no one enters the area of machine operation. Always keep bystanders at a safe distance from the post driver.
- \_\_\_\_ Know your controls and how to stop skid steer, engine and PTO quickly in an emergency. **READ THIS MANUAL AND THE ONE PROVIDED WITH YOUR SKID STEER.**
- \_\_\_\_ To avoid accident or injury, do not allow anyone to operate this equipment without proper instructions. Any person who operates this equipment must be instructed in and be capable of the safe operation of the skid steer, post driver and all controls.



**DANGER !**

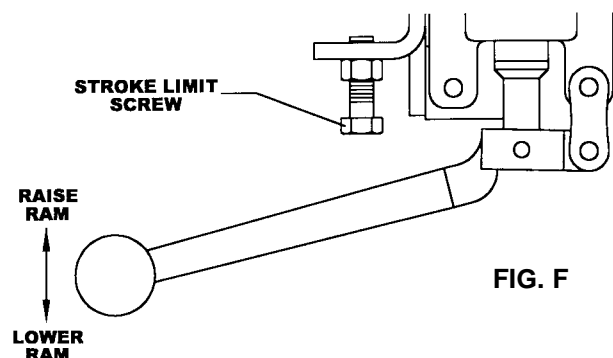


**Beware of low electrical wires when loader is raised. Serious injury or death can result if contact is made.**

## OPERATION

**Observe all operating and safety instructions in this manual and those on the Post Driver before using this machine.**

1. Position the skid steer for driving a post.
2. On the skid steer mount with adjustable legs, adjust the legs so that when the driver is at the desired height, the legs will be on the ground supporting the weight of the driver. Always lower loader so weight of loader and driver is on the legs.
3. Set the skid steer brakes. Raise the ram slightly and remove the transport pin.
4. Align the driving ram vertically by use of the "bulls-eye" bubble level and the multi-spool hydraulic valve handles or hand cranks on the manual model.
5. Raise the driving ram by lifting up on the control valve handle. **NOTE: Do not allow the ram to continually hit the urethane bumpers at the top of the carriage. Skid steer units with high volume hydraulic pumps will cause the ram to raise very fast.** If the ram raises too fast, adjust the limiting screw to limit the amount of handle movement (see Figure F). Raise the ram so that it is 18" to 24" above the top of the post. The skid steer hydraulic control valve should be tied in the "ON" position so the Driver is controlled solely by the Post Driver control valve.



6. Place the post within the driving ram. The back of the post should be against the web of the I-Beam and centered between the flanges. Stabilize the post using the special "Post Holder Tool" provided.

# OPERATING INSTRUCTIONS (continued)

## OPERATION (continued)

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**NEVER hold the post with your hand. Always use the special STEEL T-POST Holder when driving steel T-posts. Order part #814490.**

7. Stand at a 45° angle to the post – not directly in front of the post. Be sure all bystanders are at a safe distance from the Post Driver.
8. Drop the driving ram by pushing “Full Down” on the control valve handle.
9. Repeat raising and dropping the driving ram until the post is to the desired depth. Be sure the ram slide blocks are not “BOTTOMING OUT” on the urethane bumpers. Likewise, do not raise the ram to its extreme up position with each stroke. The ram should normally be raised 18” to 24” above the top of the post. Once the post is deep enough to be stable, it is no longer necessary to hold the post with the “POST HOLDER TOOL.” Stand back and “DRIVE” the post.
10. In dry or light rocky conditions, cutting a point on the post may be beneficial. The point should be centered on the post to prevent the post veering to one side.
11. When driving steel “T” posts do not raise the ram as you would for wood posts. Usually, raising the ram 4” to 6” is enough for steel “T” post. Too much impact on steel “T” post can cause the post to buckle or bend.
12. Re-engage the transport lock pin when finished with the job.

## DRIVE POSTS SAFELY

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Improper use of loaders can result in serious injury or death to the skid steer operator.

For optimum stability, visibility and safety:

- Carry the post driver slowly and low to the ground.
- Operate the loader controls smoothly, avoiding jerky operation.

- When driving posts on a slope, always have the post driver facing uphill.
- Only use a skid steer equipped with a ROPS cab or roll-over protective structure.
- Use particular care when working on inclines and hill-sides.
- Avoid holes, ditches, and obstructions which may cause skid steer loader to tip.
- Never allow anyone to walk or work under a raised loader.
- Be sure that people, livestock, or pets are not standing near the machine while operating.

## TRANSPORTING

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**When traveling on public roads, whether at night or during the day, use accessory light and devices for adequate warnings to operators of other vehicles. Comply with all federal, state and local laws.**

Install the two cylinder locking straps on the hydraulic positioning cylinders before transporting long distances.

Carry load low.

Check visibility. If visibility is impaired, reduce speed or consider other means of bale transport.

Allow for additional length of loader on tractor while turning.

Select a safe ground travel speed when transporting from one area to another. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.

When traveling over rough or hilly terrain or when making turns, slow down and use extra care.

Read all the safety warnings in the front of the manual.

# OWNER SERVICE

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## STORING THE POST DRIVER

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Lower the ram to the lowest position and engage the transport lock pin. This position will have the hydraulic cylinder rod fully retracted into the cylinder and will be self-protecting.

Smear grease over the exposed portion of the plated hydraulic cylinder rod and the tilt cylinders to prevent pitting and rust from forming.

Install the two cylinder locking straps when parking or storing the post driver.

Be sure to cap the hose ends to prevent contamination during storage. Lubricate all grease fittings prior to storage.

Inside storage is preferred to prevent deterioration of the springs, hoses, etc. For safety, the Driver should be securely blocked for stability.

To store the skid steer mount with adjustable legs, locate the transport locking pin into the higher hole location in the ram and then adjust legs to same height.

Make sure driver will be located on a solid surface and in a location away from children, animals, or traffic area.

## MAINTENANCE AND ADJUSTMENTS

---



**Before servicing the machine, engage the parking brake or place the transmission in "Park," shut off the skid steer and remove the key. Relieve all hydraulic pressure in lines.**

**Do not get under machine to make measurements or adjustments without securely blocking implement first.**

Check hydraulic oil level in tank  
before each days use.  
Change oil filter annually  
or more often with heavy use.

If the machine is used in heavy duty conditions, the maintenance operations must be carried out more frequently.

Thoroughly clean the grease zerks before servicing. Dirt mixed with lubricant will rapidly wear parts and destroy bearings. Keep it clean.



**Do not work under a raised loader unless it is securely blocked or held in position. Do not depend on the hydraulic system to hold loader and attachment in place.**

Check the pins at the ends of the loader arms. Make sure they are locked in place with the linchpins.

Periodically check all bolts to make sure they are tight (except those that are supposed to be loose).

Check hydraulic hoses. Make sure they are not chafed or pinched. Replace any damaged hose.

Check hydraulic hoses and fittings for leaks. Repair any leaks immediately. Never use your hand to check for a hydraulic leak when system is under pressure.

Replace any worn or damaged parts immediately. Do not use post driver attachment with any damaged parts.

Make certain the safety and instruction decals are attached to the Post Driver. If they are lost, damaged, or painted over, order replacements.



**SAFETY . . .  
YOU CAN LIVE WITH IT!**

## SERVICE INSTRUCTIONS (continued)

### MAINTENANCE AND ADJUSTMENTS (continued)

#### HYDRAULIC CYLINDER BASE AND ROD END ADJUSTMENT

Due to the design of the Driver carriage, it is necessary for both the base and rod end of the hydraulic cylinder to have a slight amount of freedom. This adjustment should only be necessary if the hydraulic cylinder is removed for servicing (see Figure G).

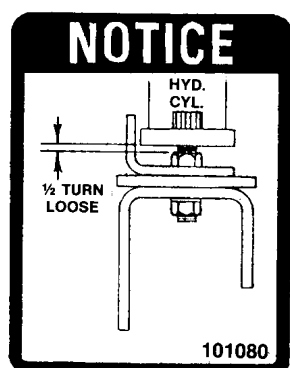
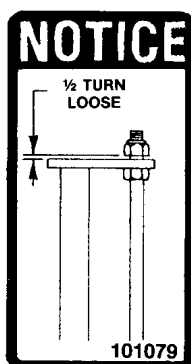


FIG. G



#### RAM CONTROL HYDRAULIC VALVE

The hydraulic ram control valve supplied with the Post Driver is "convertible" to accommodate both open-center and closed-center hydraulic systems. The control valve is shipped "ready" for the open-center hydraulic system of the hydraulic power package.

#### DISASSEMBLY – CARRIAGE AND RAM ASSEMBLY

1. Lay the driving ram assembly face down on the floor or on a solid workbench.
2. Remove the transport lock pin. This will allow the ram carriage to move up, thereby relieving the spring tension. Disconnect the upper spring bracket.
3. Remove the lock nut from the top of the cylinder rod and push the rod back into the cylinder.

4. Now remove the hex nuts holding the transport lock pin bracket in place. Slide the carriage down and remove the hydraulic cylinder and springs as a unit from the lower end.
5. The carriage can now be removed from the upper end of the ram assembly.

#### POST DRIVER RAM HYDRAULIC CYLINDER DISASSEMBLY

1. Remove the hydraulic cylinder from the carriage.
2. Place the base end of the hydraulic cylinder in a vise, support the upper end of the cylinder and unscrew the aluminum cap. **DO NOT** remove the cap over the upper threaded end of the cylinder rod.
3. Pull the rod from the cylinder tube.
4. Remove the nut from the lower end of the cylinder rod. The rod should be protected with leather, cardboard or wood blocks and placed in a vise to remove the nut. Remove the aluminum rod guide. Now slide the cap down the cylinder rod and remove it from the bottom (unthreaded) end.
5. **NOTE:** It is advisable to install a new rod guide, cylinder cap and seal as a unit when rebuilding the cylinder. Also inspect the cylinder rod for pits and/or rust and replace if necessary.

**REPLACE  
SAFETY SIGNS  
IF DAMAGED  
OR MISSING.**

## SERVICE INSTRUCTIONS (continued)

### CAP SEAL REPLACEMENT

1. Use a screwdriver or knife to remove the old seal. Soften the new seal by placing it in warm water or direct light from a lamp. Squeeze the new seal together and place one end of it in the seal groove. Force down on the other end of the seal, and it will snap into place. Inspect the seal to be sure it is properly seated (see Figure H).

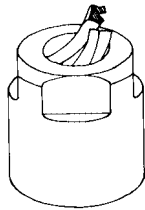


FIG. H

2. Oil the new seal and slide the cap onto the cylinder rod from the bottom end. Do not slide the cap on over the upper threaded end of the rod. This will damage the seal.
3. Replace the rod guide and retaining nut. Be sure to protect the rod with leather, cardboard, etc., when holding the rod in a vise for tightening the nut. DO NOT hold the rod with a pipe wrench.
4. Insert the rod assembly in the cylinder tube. Place the base end of the cylinder in a vise and support the upper end. DO NOT tighten the vise on the cylinder tube, as this may collapse the tubing. Use a good grade hydraulic thread sealer and tighten the aluminum cap.

### SPRING REPLACEMENT – MODELS 16 AND 20

1. Lower the driving ram so the springs are in their relaxed position. Remove the upper spring bracket from the square tube by removing the  $\frac{3}{8}$ " bolt holding it in place.
2. Remove the upper spring clip from the spring bracket by rotating the clip and sliding it out the keyhole slot in the bracket.
3. Insert a screwdriver in the spring clip and screw it out of the spring coils. The spring can be removed from the lower spring clip by rotating the spring.

4. Install new spring clips by inserting a screwdriver in the end coil and screwing the clip onto the first two coils (see Figure I). Use a large pair of adjustable (water pump) pliers and close the ends of the spring clips to retain them on the spring.

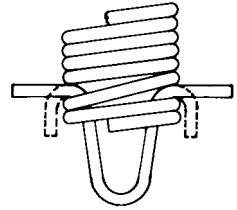


FIG. I

### SPRING REPLACEMENT – MODEL 24

The springs on the Model 24 post driver are quite heavy and stiff. It is recommended that any work performed on these springs be done on a workbench equipped with a vise to hold them.

Lower the driving ram so the springs are in relaxed position. Remove the hex stamplock nut from the upper and lower spring anchors (Ref. #23). Remove the spring assembly from the driver and take to a good solid workbench vise.

To remove the spring anchor from the old spring, clamp the spring in a vise and clamp a good pair of vise grip pliers on the unthreaded portion of the spring anchor bolt. Tap on the ends of the formed spring anchor bar while applying an unscrewing force with the vise grip pliers. The spring anchor should "unscrew" from the spring.

To install spring anchor in the end of a new spring, insert spring into a solid vise and insert a screw driver in the end coil to open the end of the spring. Tap in one end of the formed anchor bar and using vise grip pliers, reverse the procedure described in the above paragraph for removal. **NOTE:** Getting the second end of the formed anchor bar started in the spring is difficult – time and patience are required.

When the anchor brackets are installed in both ends of the new spring (see Figure J), install the spring into the post driver. Reinstall the hex stamplock hex nuts on the anchor bracket bolt. **NOTE:** USE ONLY stamplock nuts in this application – regular nuts will come loose.

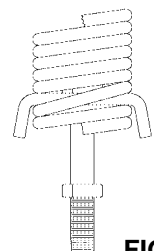


FIG. J

# SPECIFICATIONS

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## SKID STEER POST DRIVER w/ Hydraulic Power Package

DRIVER MOUNT MODEL	HSS/P (Hydraulic Adjust)		
DRIVER MODEL	16	20	24
Maximum Post Size . . . . .	7" x 9'	8¾" x 10'	11" x 10'
Impact at Full Stroke . . . . .	32,000 lb.	80,000 lb.	110,000 lb.
Impact at Half Stroke . . . . .	16,000 lb.	40,000 lb.	55,000 lb.
Minimum Skid Steer Size . . . . .	Skid Steer should have SAE Operating Load Rating at least 1.25 times weight of post driver.		
Recommended Minimum SAE Operating Load Rating . . . . .	1,300	1,500	1,800
Adjustable Support Legs . . . . .	Two		
Minimum Hydraulics Recommended . . . . .	15 gpm	15 gpm	
Ram Lift Cylinder . . . . .	2" x 56"	2" x 68"	
Operating Range (above ground) . . . . .	50" to 116"	50" to 128"	
Tilt Adjustment – front/back . . . . .	17° each way from vertical		
Tilt Adjustment – side/side . . . . .	20° each way from vertical		
Hydraulic Valve on Mount . . . . .	Two Spool		
No. of Cylinder(s)/Size . . . . .	Two 3" x 6"		
Shipping Weight . . . . .	1,058 lb.	1,215 lb.	1,451 lb.

# TROUBLE – SHOOTING

---

## **PROBLEM: DRIVER DOES NOT DRIVE A POST**

### **SOLUTIONS:**

1. Remove quick-connect couplers not properly connected. Hydraulic motor on post driver is designed to turn in only one direction. Reverse hydraulic control lever or switch hoses.
2. The ram may be binding in the carriage or carriage slide blocks may need lubrication or replacement.
3. Carriage springs may be disconnected or broken.
4. Ground may be too dry or hard. Pointing the post may help. Otherwise, wait for rain.
5. Post may be encountering a rock. Relocate post 6-8 inches and try again. Pointing post may help in light, rocky soil.
6. Hydraulic oil flow problems on skid steer.

## **PROBLEM: DRIVING RAM WILL NOT RAISE, OR RAISES SLOWLY**

### **SOLUTIONS:**

1. Hydraulic valve may be improperly plumbed. See assembly instructions.
2. Post Driver control valve handle “UP” limit screw may need adjustment (see Figure I page 17).
3. Carriage may be binding. Check for broken springs, worn slide blocks or other obstructions.
4. Hydraulic cylinder rod guide (piston) may be excessively worn.
5. Hydraulic system may not be supplying rated pressure (usually 1500 to 2250 PSI). Consult your dealer.
6. Hydraulic system may not be delivering its rated volume of oil due to wear. Hydraulic pump may need to be repaired.

7. Hydraulic valve on Post Driver may be leaking and need to be repaired or replaced.
8. Carriage may be bent due to hitting overhead object. Straighten or replace carriage assembly.
9. Hydraulic system may not be supplying rated volume of oil due to priority flow valve being plumbed incorrectly.

## **PROBLEM: DRIVER RAM RAISES VERY FAST AND HITS TOP URETHANE BUMPERS**

### **SOLUTIONS:**

1. Post Driver control valve “UP” limit screw needs adjusting.

## **PROBLEM: HYDRAULIC OIL OVERHEATS**

### **SOLUTIONS:**

1. Hydraulic oil level in skid steer reservoir may be low.
2. Hydraulic oil or oil filter in skid steer may be dirty. Change oil and filter according to manufacturer's recommendations.
3. Hydraulic oil reservoir of skid steer may be small. Allow time for oil to cool down.

## **PROBLEM: DRIVER RAM AND CARRIAGE ASSEMBLY MOVE FAST AND ARE HARD TO CONTROL (Hyd. adjusted models)**

### **SOLUTIONS:**

1. Orifice fittings missing.



## TROUBLE – SHOOTING (continued)

### **PROBLEM: HYDRAULIC HOSE FAILURE**

#### **SOLUTIONS:**

1. Hydraulic relief pressure setting is very high and may cause hydraulic hose failure.
2. Hoses are worn or frayed – replace hose.
3. Hose rating may be too low for hydraulic system pressure. Replace with higher rated hoses.
4. Hose being pinched – reroute hose and refasten.

### **PROBLEM: POST VEERS OFF AT AN ANGLE WHILE BEING DRIVEN**

#### **SOLUTIONS:**

1. Top of post is not cut “square,” causing the post to drive at an angle. Re-cut top of post “square.”
2. Bottom of post is cut at an angle or post is pointed off-center.
3. Post Driver mount may not be properly latched on Skid Steer loader. Check lock pins.
4. Has moved slightly while driving post. Always set brakes and use extra care on slopes.
5. Post may have encountered a rock or large root. Post may have to be relocated.

### **PROBLEM: DRIVER HAS EXCESSIVE MOVEMENT OR BOUNCE**

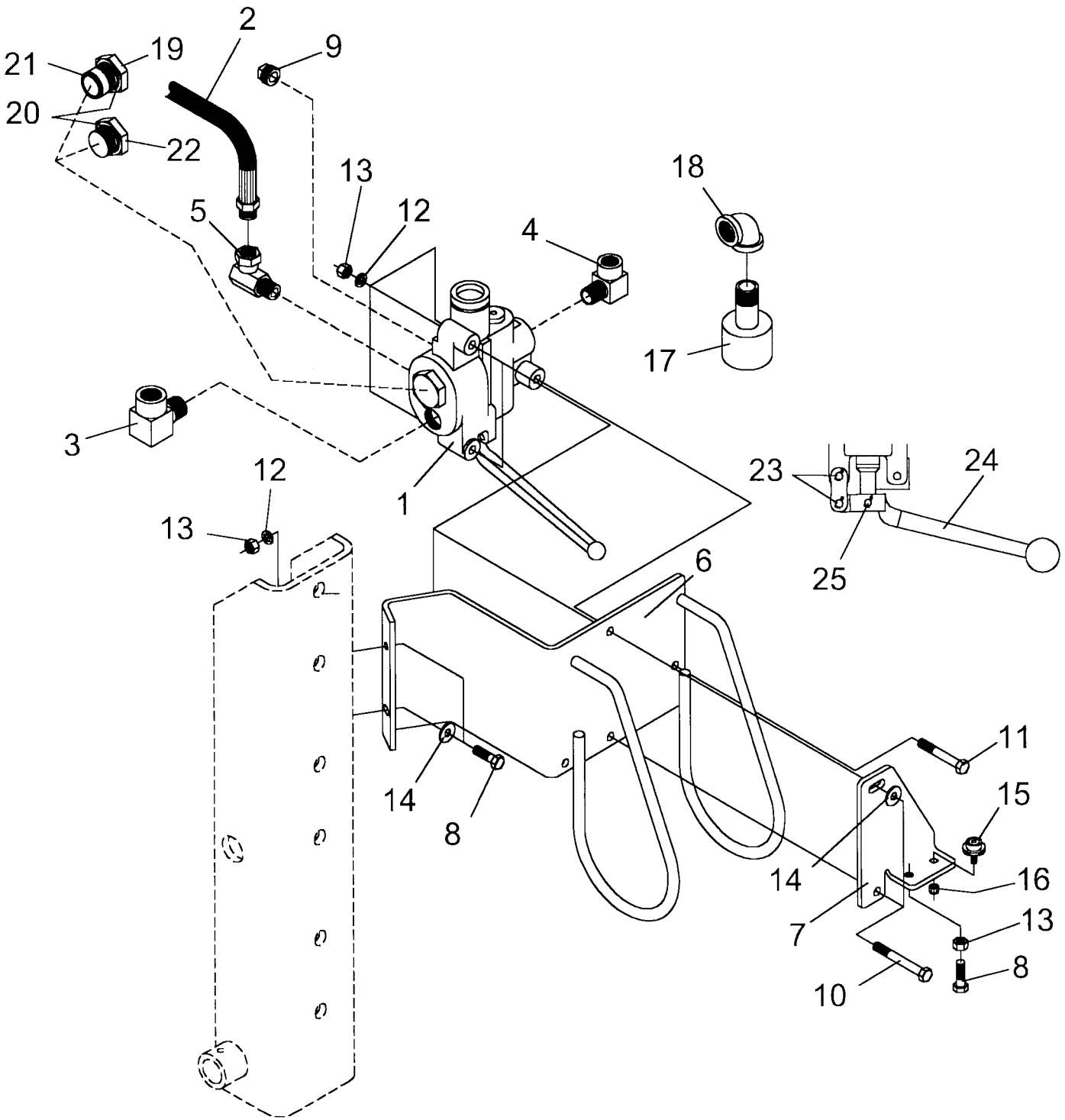
#### **SOLUTIONS:**

1. Top of post is not cut “square,” causing the driver to veer off at an angle. Re-cut top of post “square.”
2. Skid steer loader is not all the way down.
3. Adjustable legs on mount are not setting firmly on the ground. Re-adjust legs.
4. Carriage springs may be disconnected or broken.
5. Ground may be too dry or hard. Pointing the post may help. You may have to wait until it rains if ground is extremely hard and dry.
6. Post may be encountering a rock. Relocate post 6-8 inches and try again. Pointing post may help in light, rocky soil.
7. Driver ram may be improperly angled – if top of ram is angled away from post, ram will veer off post. Re-adjust ram angle.
8. Skid steer unit may not be large enough to handle driver. Use larger, heavier skid steer model.

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# **OBEY ALL SAFETY WARNINGS!**

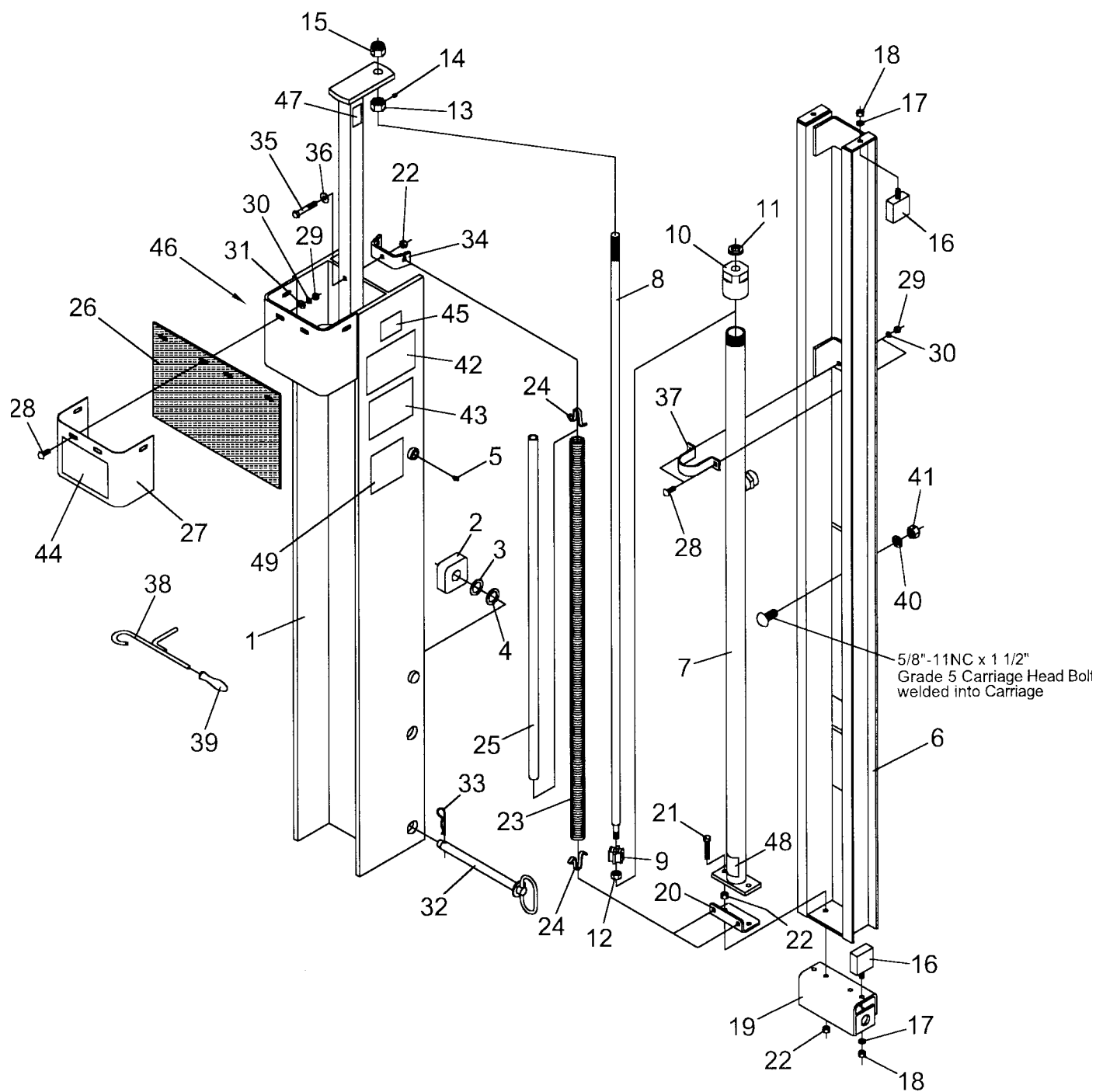
# HYDRAULIC CONTROL VALVE & MOUNTING BRACKET PARTS DRAWING



# HYDRAULIC CONTROL VALVE & MOUNTING BRACKET PARTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	814473	Valve, Hydraulic	1
2	2504125	Hose, Cylinder 3/4" ID x 24" Double Braid	1
3	2504128	Elbow, Street 3/4" NPT 90°	1
4	2505503	Elbow, Street 3/4" to 1/2" NPT 90°	1
5	2504180	Elbow, 90° Swivel 1/2" NPT	1
6	815051	Bracket, Valve Mount	1
7	814475	Stop, Valve Handle	1
8	2503020	Bolt 3/8"-16NC x 1 1/4" Hex Head	3
9	2504133	Pipe Plug 1/2" NPT Socket Head	1
10	2503072	Bolt 3/8"-16NC x 3" Gr. 5 Hex Head	2
11	2503205	Bolt 3/8"-16NC x 2 1/2" Gr. 5 Hex Head	1
12	2502008	Washer 3/8" Springlock	5
13	2500004	Nut 3/8"-16NC Full Hex	6
14	2501004	Washer 3/8" Flat	2
15	814489	Level Assembly	1
16	2500006	Nut 1/4"-20NC Nylock Hex	1
17	814496	Return Adapter	1
18	2504139	Elbow 3/4" NPT 90° Black	1
19	2504135	Closed Center Plug Kit (includes #22 & #23)	1
20	2504136	Seal, Hydraulic Valve Plug	1
21	2504137	Seal, Quad	1
22	2504138	Open Center Plug Kit (includes #22)	1
23	814541	Handle Link Assembly (Side Plate, Link Pin, & Cotter Pins)	1
24	814593	Handle, Valve	1
25	814589	Pin, Handle (Pin & Cotter Pin)	1
NS	814552	Spring to Center Kit (Valve)	1
NS	814594	Rubber Bonnet, Valve	1

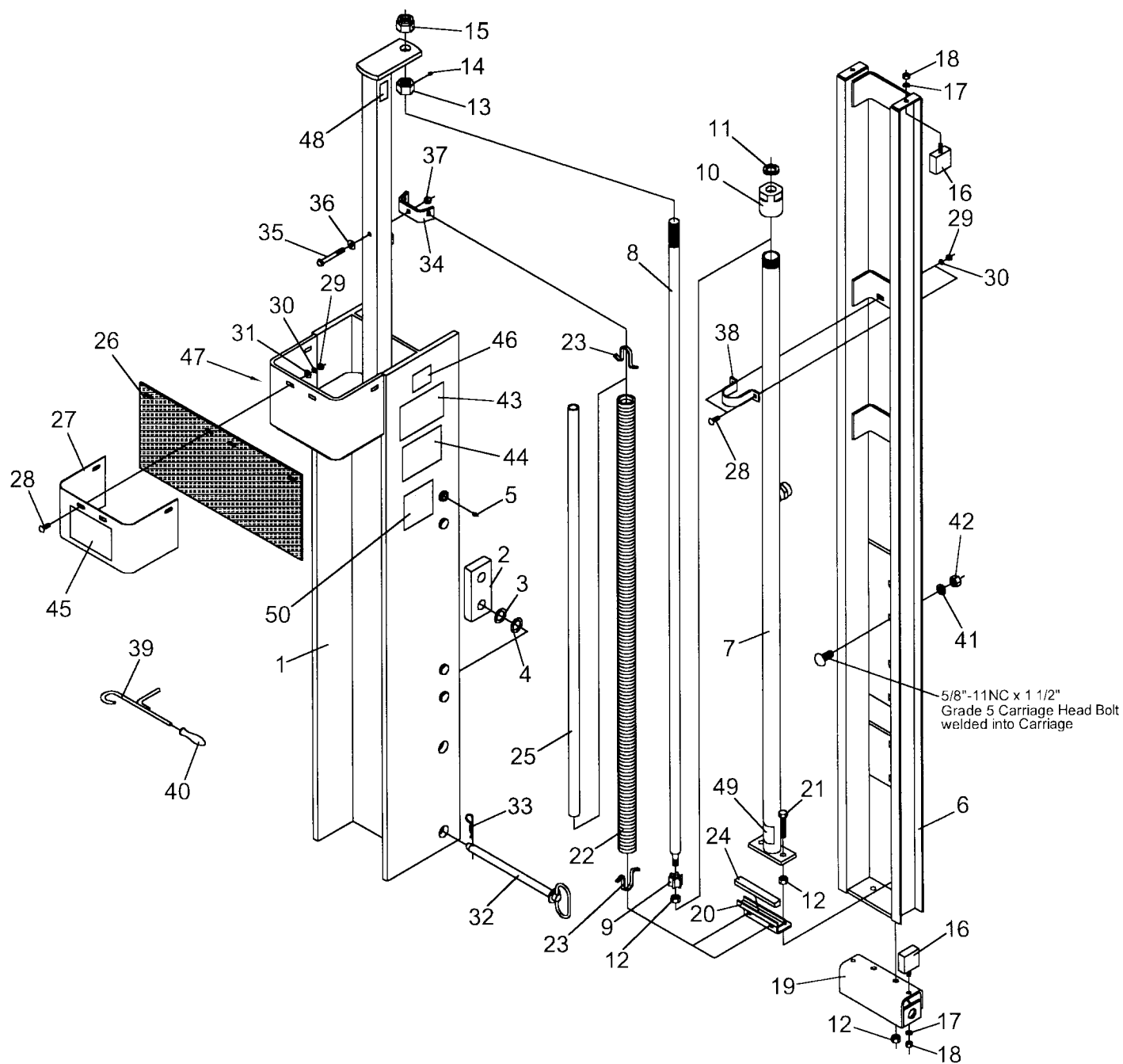
# HPD-16 PARTS DRAWING



# HPD-16 PARTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	814401	Driving Ram Weldment	1
2	814551	Guide Block	4
3	2504132	Machinery Bushing 1"ID x 18 Ga.	Var.
4	2504110	Machinery Bushing 1"ID x 14 Ga.	Var.
5	2504049	Drive Zerk 5/16"	2
6	814411	Carriage Weldment	1
	814478	Complete Cylinder Assembly (Items #7 thru #15)	1
7	814417	Tube, Hydraulic Cylinder	1
8	814421	Rod, Hydraulic Cylinder	1
9	814422	Rod Guide, Hydraulic Cylinder	1
10	814495	End Cap w/Rod Seal	1
11	814424	Rod Seal (only)	1
12	2500054	Nut 1/2"-13NC Stamplock Hex	1
13	814425	Nut 3/4"-10NC Full Hex (Drilled & Tapped)	1
14	2503196	Set Screw 1/4"-20NC x 1/4"	1
15	2500037	Nut 3/4"-10NC Nylock Hex	1
16	814426	Bumper, Urethane	4
17	2502008	Washer 3/8" Springlock	4
18	2500004	Nut 3/8"-16NC Full Hex	4
19	814427	Transport Lock Weldment	1
20	814430	Lower Spring Bracket	1
21	2503198	Bolt 3/8"-16NC x 2" Gr. 8 Full Thread	2
22	2500055	Nut 3/8"-16NC Stamplock Hex	5
23	814431	Spring, Driving Ram	2
24	814432	Clip, Spring	4
25	814581	Pipe, Plastic Stabilizing	2
26	814433	Rubber Guard	1
27	814629	Guard Retainer	1
28	2503110	Bolt 5/16"-18NC x 1" Carriage Head	6
29	2500011	Nut 5/16"-18NC Full Hex	6
30	2502011	Washer 5/16" Springlock	6
31	2501012	Washer 5/16" Flat	4
32	814488	Pin, Transport Lock	1
33	590188	Hair Clip Pin 5/32" (AK-2705)	1
34	814408	Upper Spring Bracket	1
35	2503201	Bolt 3/8"-16NC x 2 1/4" Gr. 5 Hex Head	1
36	2501004	Washer 3/8" Flat	1
37	814543	Cylinder Stabilizer Strap	1
38	814476	Post Holder w/Handle	1
39	2504129	Handle, Post Holder	1
40	2502007	Washer 5/8" Springlock	6
41	2500013	Nut 5/8"-11NC Full Hex	6
42	101056	Safety Sign - Safety Instructions	1
43	101057	Safety Sign - Warning (Set Brake)	1
44	101058	Safety Sign - Warning (Avoid Injury)	1
45	101078	Safety Sign - Caution (Safety Glasses)	1
46	101027	Safety Sign - Warning (Stand Clear)	1
47	101079	Safety Sign - Notice (1/2 Turn Loose)	1
48	101080	Safety Sign - Notice (1/2 Turn Loose)	1
49	101122	Safety Sign - Warning (Hi-Pressure)	1

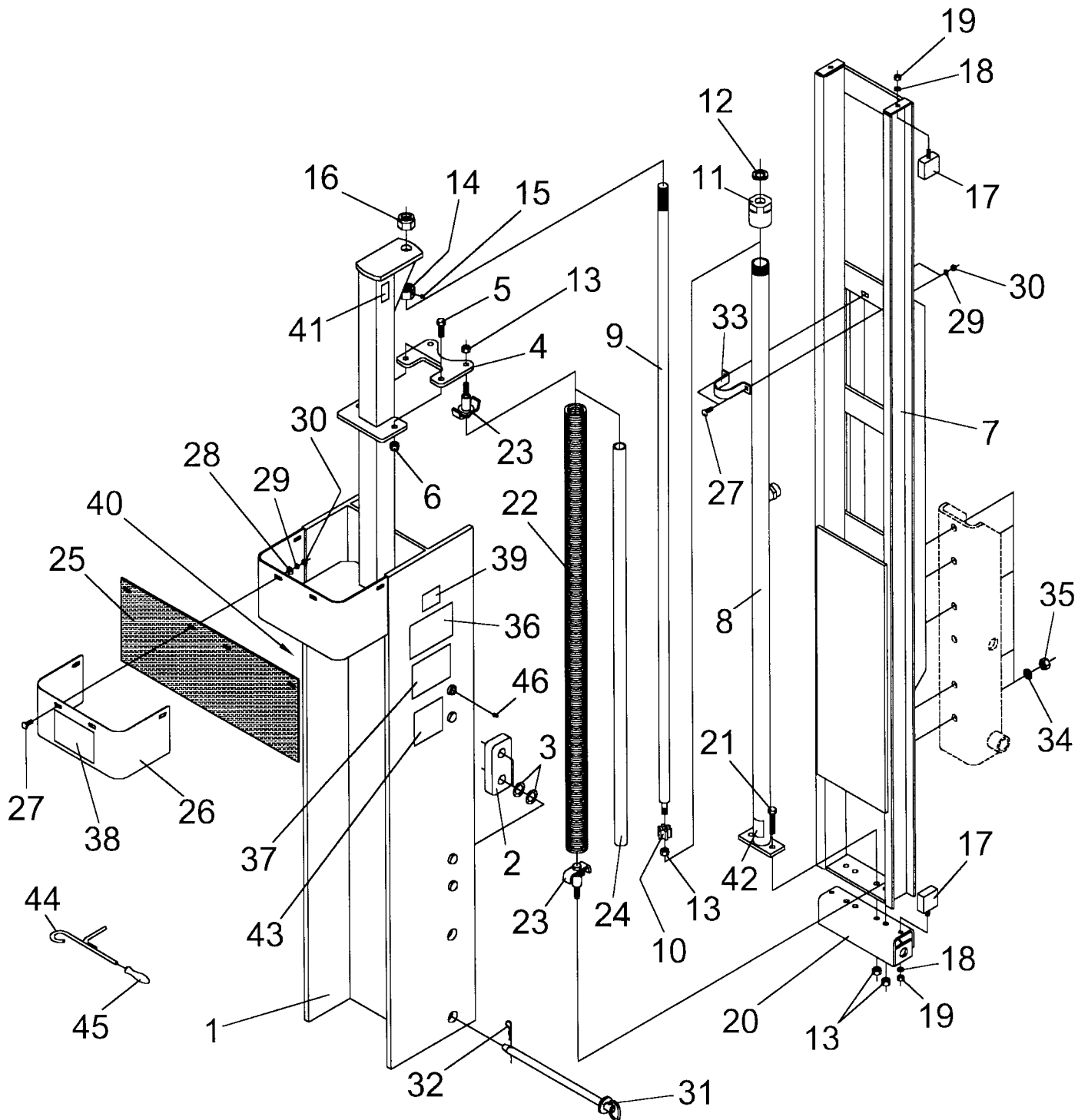
# HPD-20 PARTS DRAWING



# HPD-20 PARTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	814502	Driving Ram Weldment	1
2	814549	Guide Block	4
3	2504132	Machinery Bushing 1"ID x 18 Ga.	Var.
4	2504110	Machinery Bushing 1"ID x 14 Ga.	Var.
5	2504049	Drive Zerk 5/16"	2
6	814510	Carriage Weldment	1
	814516	Complete Cylinder Assembly (Items #7 thru #15)	1
7	814517	Tube, Hydraulic Cylinder	1
8	814520	Rod, Hydraulic Cylinder	1
9	814422	Rod Guide, Hydraulic Cylinder	1
10	814538	End Cap w/Rod Seal	1
11	814523	Rod Seal (only)	1
12	2500054	Nut 1/2"-13NC Stamplock Hex	5
13	814524	Nut 1"-14NF Full Hex (Drilled & Tapped)	1
14	2503196	Set Screw 1/4"-20NC x 1/4"	1
15	2500057	Nut 1"-14NF Nylock Hex	1
16	814426	Bumper, Urethane	4
17	2502008	Washer 3/8" Springlock	4
18	2500004	Nut 3/8"-16NC Full Hex	4
19	814525	Transport Lock Weldment	1
20	814527	Lower Spring Bracket	1
21	2503202	Bolt 1/2"-13NC x 2 1/2" Gr. 8 Full Thread	2
22	814530	Spring, Driving Ram	2
23	814531	Clip, Spring	4
24	814532	Damper, Spring	1
25	814547	Pipe, Plastic Stabilizing	2
26	814533	Rubber Guard	1
27	814626	Guard Retainer	1
28	2503110	Bolt 5/16"-18NC x 1" Carriage Head	6
29	2500011	Nut 5/16"-18NC Full Hex	6
30	2502011	Washer 5/16" Springlock	6
31	2501012	Washer 5/16" Flat	4
32	814536	Pin, Transport Lock	1
33	590188	Hair Clip Pin 5/32" (AK-2705)	1
34	814408	Upper Spring Bracket	1
35	2503072	Bolt 3/8"-16NC x 3" Gr. 5 Hex Head	1
36	2501004	Washer 3/8" Flat	1
37	2500055	Nut 3/8"-16NC Hex Stamplock	1
38	814543	Cylinder Stabilizer Strap	1
39	814476	Post Holder w/Handle	1
40	2504129	Handle, Post Holder	1
41	2502007	Washer 5/8" Springlock	6
42	2500013	Nut 5/8"-11NC Full Hex	6
43	101056	Safety Sign - Safety Instructions	1
44	101057	Safety Sign - Warning (Set Brake)	1
45	101058	Safety Sign - Warning (Avoid Injury)	1
46	101078	Safety Sign - Caution (Safety Glasses)	1
47	101027	Safety Sign - Warning (Stand Clear)	1
48	101079	Safety Sign - Notice (1/2 Turn Loose)	1
49	101080	Safety Sign - Notice (1/2 Turn Loose)	1
50	101122	Safety Sign - Warning (Hi-Pressure)	1

# HPD-24 PARTS DRAWING

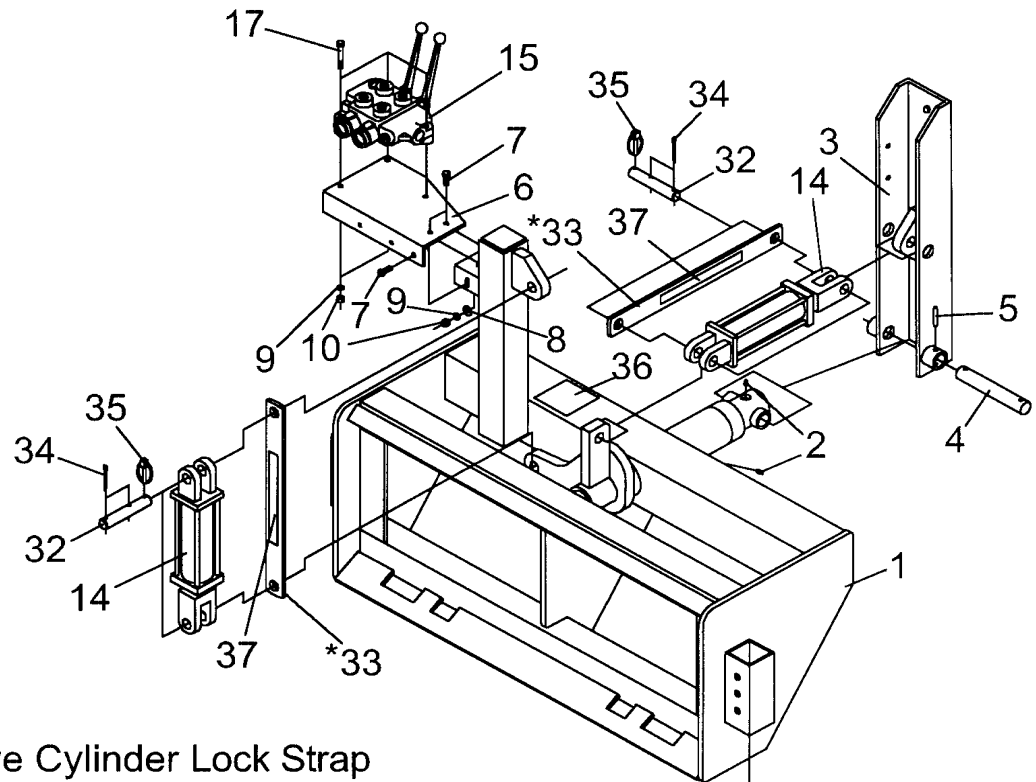




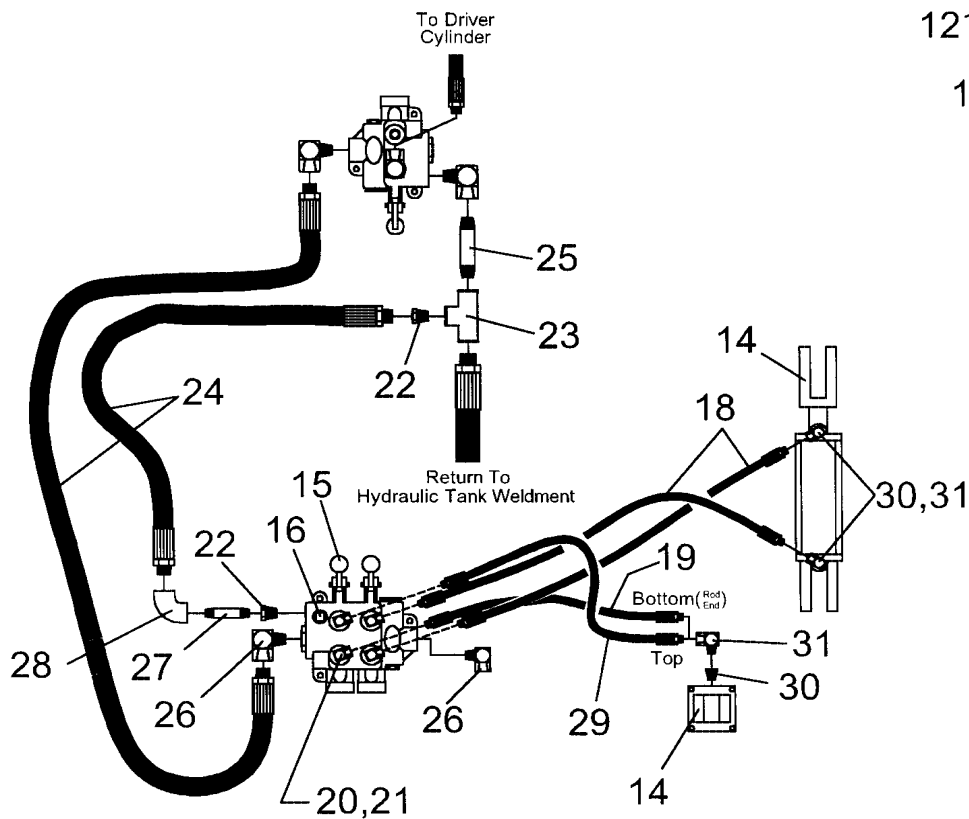
# HPD - 24 PARTS LIST

Ref. No.	Part No.	Description	No. Req.
1	814962	Driving Ram (HPD-24)	1
2	814549	Channel Guide	4
3	2504132	Machinery Bushing, 18 Ga. 1" I.D.	Var.
4	814970	Spring Anchor Bracket	1
5	2503145	Bolt 1/2"-13NC x 1 1/2" Hex Head Gr. 5	2
6	2500039	Nut 1/2"-13NC Hex Nylock	2
7	814992	Carriage Weldment (HPD-24)	1
	814516	Complete Cylinder Assembly (#8 thru #16)	1
8	814517	Tube, Hydraulic Cylinder	1
9	814520	Rod, Hydraulic Cylinder	1
10	814422	Guide, Hydraulic Cylinder Rod	1
11	814538	End Cap with Rod Seal	1
12	814523	Rod Seal (only)	1
13	2500054	Nut 1/2"-13NC Hex Stamplock	7
14	814524	Nut 1"-14NF Full Hex (Drilled & Tapped)	1
15	2503196	Set Screw 1/4"-20NC x 1/4"	1
16	2500057	Nut 1"-14NF Hex Nylock	1
17	814426	Bumper, Urethane	4
18	2502008	Washer 3/8" Springlock	4
19	2500004	Nut 3/8"-16NC Full Hex	4
20	814980	Transport Lock Bracket	1
21	2503202	Bolt 1/2"-13NC x 2 1/2" Hex Head Gr. 8	2
	814985	Spring Assembly (#13,#22 thru #24)	2
22	814990	Spring, Driving Ram	2
23	814986	Spring Anchor Weldment	4
24	814991	Tube, Plastic Damper	2
25	814993	Guard, Rubber	1
26	814994	Retainer, Rubber Guard	1
27	2503110	Bolt 5/16"-18NC x 1" Carriage Head	6
28	2501012	Washer 5/16" Flat	4
29	2502011	Washer 5/16" Springlock	6
30	2500011	Nut 5/16"-18NC Full Hex	6
31	814995	Pin, Transport Lock	1
32	590188	Hair Clip Pin (AK-2705)	1
33	814543	Strap, Cylinder Stabilizer	1
34	2502007	Washer 5/8" Springlock	5
35	2500013	Nut 5/8"-11NC Full Hex	5
36	101056	Safety Sign-Safety Instructions	1
37	101057	Safety Sign-Warning (Set Brake Securely)	1
38	101058	Safety Sign-Warning (Avoid Serious Injury)	1
39	101078	Safety Sign-Caution (Safety Glasses)	1
40	101027	Safety Sign-Warning (Stand Clear)	1
41	101079	Safety Sign-Notice (1/2 Turn Loose)	1
42	101080	Safety Sign-Notice (1/2 Turn Loose)	1
43	101122	Safety Sign-Warning (High Pressure Fluid)	1
44	814476	Post Holder with Handle	1
45	2504129	Handle, Post Holder	1
46	2504049	Drive Zerk 5/16"	2

# HYDRAULIC ADJUSTMENT SKID STEER MOUNT PARTS DRAWING



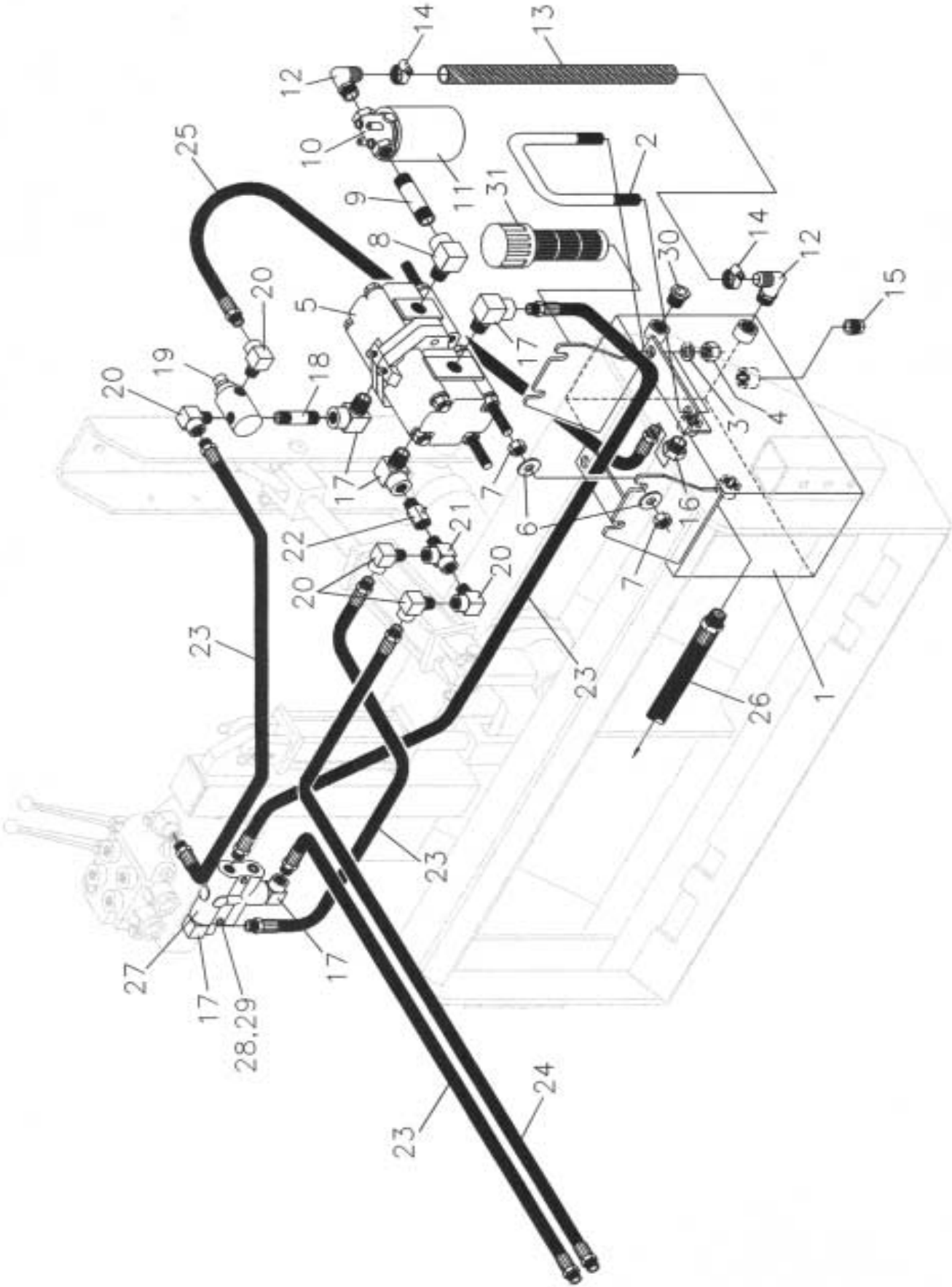
\*Note: Remove Cylinder Lock Strap (#40) before operation.



HYDRAULIC ADJUSTMENT  
SKID STEER MOUNT PARTS LIST

Ref. No.	Part No.	Description	No. Req.
1	814605	Skid Steer Mount Weldment	1
2	2504049	Drive Zerk 5/16"	2
3	814725	Support Channel Weldment	1
4	830334	Lift Pin 1 1/4" x 8"	1
5	2504070	Roll Pin 5/16" x 2"	1
6	814729	Valve Mount (2 Spool)	1
7	2503011	Bolt 3/8"-16NC x 1" Hex Head	3
8	2501004	Washer 3/8" Flat	3
9	2502008	Washer 3/8" Springlock	6
10	2500004	Nut 3/8"-16NC Full Hex	6
11	814687	Stand Weldment	2
12	803637	Stand Pin	2
13	590187	Hair Clip Pin (AK-2704)	2
14	2504097	Hydraulic Cylinder 3 x 6	2
15	814734	Valve, 2-Spool	1
16	2505550	Pipe Plug 3/4" NPT Sq. Head	1
17	2503039	Bolt 3/8"-16NC x 2 1/2" Hex Head	3
18	2505505	Hydraulic Hose 1/4" ID x 36"	2
19	2505506	Hydraulic Hose 1/4" ID x 30"	1
20	2505507	Reducer Bushing 1/2" to 1/4"	4
21	2505508	Elbow, 90° Street 1/4" NPT	4
22	2504119	Reducer Fitting 3/4"-1/2" NPT	2
23	2505509	Pipe Tee 3/4" NPT Blackpipe	1
24	2505516	Hydraulic Hose 3/8" ID x 36"	2
25	2505511	Pipe Nipple 3/4" x 3"	1
26	2505503	Elbow, Street 3/4" to 1/2"	2
27	2505512	Pipe Nipple 1/2" x 2"	1
28	2505513	Elbow, 90° 1/2" NPT	1
29	2505514	Hydraulic Hose 1/4" ID x 24"	1
30	2505515	Reducer w/.040 Orifice	4
31	2505530	Elbow 90° Swivel 1/4"-18 NPT	4
32	814758	Pin, Special Cylinder	4
33	814759	Strap, Cylinder Lock	2
34	2504068	Pin, Cotter 1/4" x 1 3/4"	8
35	590034	Linch Pin 1/4" (AK-61)	4
36	101122	Safety Sign - Warning (Hi-Pressure)	1
37	101202	Safety Sign - Cylinder Strap	4
N/S	2505544	Tie Wrap	12

HYDRAULIC POWER PACKAGE PARTS DRAWING  
(Skid Steer Application)



# HYDRAULIC POWER PACKAGE PARTS LIST

## (Skid Steer Application)

Ref. No.	Part No.	Description	No. Req'd.
1	815001	Hydraulic Tank Weldment	1
2	803602	U-Bolt 3/4"-10NC x 6 3/4" I.D.	2
3	2502001	Washer 3/4" Spring Lock	4
4	2500002	Nut 3/4"-10NC Full Hex	4
5	2505593	Hydraulic Motor/Pump	1
6	2501005	Washer 5/8" Flat	8
7	2500013	Nut 5/8"-11NC Full Hex	6
8	2504128	3/4" Street Elbow 90°	1
9	2505592	Pipe Nipple 3/4" x 4"	1
10	2505594	Head Assembly, Filter	1
11	2505595	Cartridge, Filter	1
12	2505596	90° Street Elbow 3/4"NPT/1" Barbed	2
13	2505597	Suction Hose 1" x 18"	1
14	2505598	Hose Clamp, Worm-Drive 3/4"-1 1/2"	2
15	2505550	Pipe Plug 3/4"NPT Sq. Head	1
16	2504119	Reducer Fitting 3/4" to 1/2" NPT	1
17	2505503	90° Street Elbow 3/4" to 1/2"	5
18	2900022	Pipe Nipple 1/2" x 3"	1
19	2505599	Valve, Relief (Brand RL50)	1
20	2900021	90° Street Elbow 1/2"NPT	5
21	2504074	Male Run Tee 1/2"NPT	1
22	2505523	Check Valve	1
23	2505561	Hose, Hydraulic 1/2" I.D. x 48"	4
24	2505600	Hose, Hydraulic 1/2" I.D. x 60"	1
25	2505601	Hose, Hydraulic 1/2" I.D. x 30"	1
26	2505603	Hose, Hydraulic 3/4" I.D. x 48"	1
27	2505602	Valve, Priority Flow Divider	1
28	2503249	Bolt 1/4"-20NC x 2 1/4" Hex Head Gr.2	2
29	2500008	Nut 1/4"-20NC Whiz Flange Hex	2
30	2505604	Sight Glass	1
31	2505605	Filler/Breather Assembly	1

# SAFETY PRECAUTIONS

**MOST ACCIDENTS OCCUR BECAUSE OF NEGLIGENCE OR CARELESSNESS.  
AVOID NEEDLESS ACCIDENTS BY FOLLOWING ALL OF THE SAFETY PRECAUTIONS LISTED BELOW.**

- Machinery should be operated only by those who are responsible and are authorized to do so.
- Stop the engine, lower all equipment, lock the brakes, and remove the ignition key before dismounting from the tractor.
- Never stand between tractor and implement while tractor is being backed to hitch.
- Loose fitting clothing should not be worn, to avoid catching on various parts.
- Detach implement in area where children normally do not play.
- When performing adjustments or maintenance on an implement, first lower it to the ground or block it securely at a workable height.
- Only a qualified operator should be permitted on tractor when in operation; no riders allowed.
- Make certain everyone is in the clear before starting tractor or raising or lowering equipment.
- Operate the tractor and implement only while seated in the driver's seat.
- Reduce speed when transporting mounted implements to avoid bouncing and momentary loss of steering control.
- A heavy load can cause instability of the tractor. Use extreme care during road travel. Slow down on turns and watch out for bumps. Tractor may need front counterweights to counter-balance the weight of the implement.
- Reduce speed on hillsides or curves so there is no danger of tipping.
- Avoid driving too close to the edge of ditches or creeks.
- Do not transport implement on public roads without reflectors and slow moving vehicle emblem in daylight and with approved warning lights at night and other periods of poor visibility.
- Due to the width of some implements, use extra caution on highways, farm roads, and when approaching gates.
- Always be sure the implement is in the proper position for transport.
- Keep alert and watch the front as well as the rear when working with the implement.

## OWNER'S/ OPERATOR'S MANUAL

**MODEL NO.'s  
HPD-16 HSS/P  
HPD-20 HSS/P  
HPD-24 HSS/P**

### CAUTION

For Safe Operation  
Read Rules And  
Instructions Carefully

**SINO LEEINGLES, PIDA AYUDA  
A AIGUIEN QUE SI LO LEA  
PARA QUE LE TRADUZCA LAS  
MEDIDAS DE SEGURIDAD.**

APRIL 2002

## SKID STEER MOUNTED HYDRAULIC POST DRIVERS w/ Hydraulic Power Package

**WHEN ORDERING REPAIR PARTS,  
ALWAYS GIVE THE FOLLOWING INFORMATION:**

1. PART NUMBER
2. PART DESCRIPTION
3. MODEL NUMBER
4. NAME OF ITEM

**MAKE EVERY DAY  
A HOLIDAY FROM ACCIDENTS**

**WORKSAVER, INC.**

**P.O. BOX 100 LITCHFIELD, IL 62056-0100 (217) 324-5973  
WEB: <http://www.worksaver.com> E-MAIL: [sales@worksaver.com](mailto:sales@worksaver.com)**