

Ezee-On

OPERATOR'S MANUAL

MODEL 2400 POST DRIVER **P.T.O. or ENGINE DRIVE**

includes
ASSEMBLY INSTRUCTIONS
and
PARTS LIST

Manufactured

By

Ezee-On Mfg. Ltd.

PRINTED IN CANADA

Vegreville, Alberta

Canada

720F

EZEE-ON MANUFACTURING

Limited Warranty Policy

Ezee-On Manufacturing's products are warranted to the original non-commercial purchaser to be free from defects in material and workmanship for a minimum period of twelve (12) months from the original date of purchase.

Ezee-On Manufacturing's obligation under this warranty shall be limited to the repair or exchange, at Ezee-On's option, free of charge to the original purchaser, any part or component that, in our judgment, shows evidence of such defect. Further, that such part shall be returned within thirty (30) days from date of failure to Ezee-On Manufacturing, routed through the dealer and distributor from whom the equipment was purchased, **transportation charges prepaid**.

This warranty shall not be interpreted to render Ezee-On Manufacturing liable for injury or damages of any kind or nature to person or property. This warranty does not include claims for, or extend to the loss or damage of crops, loss because of delay in seeding/ planting or harvesting, or any expense or loss incurred for labor, substitute machinery, rental, transportation expense or for any other reason.

Except as set forth above, Ezee-On Manufacturing shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. Ezee-On Manufacturing makes no other warranty, expressed or implied, and, specifically, Ezee-On Manufacturing disclaims any implied warranty or merchantability or fitness for a particular purpose. The purchaser is solely responsible for determining suitability of Ezee-On equipment purchased. This warranty is subject to any existing conditions of supply, which may directly affect our ability to obtain materials or manufacture replacement parts.

Ezee-On reserves the right to make improvements in the design of products and/ or changes in specifications at any time, without incurring any obligation to owners of units previously sold. No one other than Ezee-On Manufacturing is authorized to alter, modify or enlarge this warranty.

Genuine Ezee-On replacement parts and components will be warranted for 90 days from date of purchase, or the remainder of the original equipment warranty period, whichever is longer.

Under no circumstances will this warranty cover any merchandise or components thereof, which, in the opinion of the Company, has been subjected to misuse, unauthorized modifications, alteration, an accident or if repairs have been made with parts other than those obtainable through Ezee-On Manufacturing.

Commercial Use: Warranty for commercial, rental or custom use of any Ezee-On product is limited to 90 days, parts and labor.

Twelve Months Warranty:

All Ezee-On manufactured products are warranted for twelve consecutive months from the date of delivery of the new Ezee-On product to the original non-commercial purchaser.

- 1-12 Months: 100% parts and labor coverage

Extended Coverage Limited Warranty (24 additional months):

Air Drills, Coulters, Air Carts, Cultivators, Chisel Plows, Offset and Tandem Discs and Post Drivers carry limited extended warranty. Ezee-On Manufacturing's obligations under this extended warranty coverage shall be limited to repair or exchange, at Ezee-On Manufacturing's option, for the original, non-commercial owner:

- 13-24 Months: 100% Ezee-On manufactured components only, NO labour – see below for description
- 25-36 Months: 50% Ezee-On manufactured components only, NO labour – see below for description

Ezee-On manufactured components are, but not limited to: frames, axles, hitches, castor assemblies, packers, turnbuckles, rockshafts, packer frames, packers – steel, tanks – air cart seed and fertilizer tanks, seed cups, metering rollers.

NON Ezee-On manufactured components are, but not limited to: Monitors, tires, rims, bearings, hydraulics: motors, pumps, controls, cylinders, hoses and valves; sprockets, chain, rubber packer wheel tires, polyurethane wheel mounted packers, coulters, blades, shanks, springs, bolts, pulleys, air hoses, sweeps, spikes, spoons, seals, power wheels, hitch jacks, hubs and wheels.

The Company in no way warrants engines, batteries, coulters, assemblies, rubber tires, or other trade accessories since these items are warranted separately by their respective manufacturers.

T2-215 Bearing Extended Coverage Limited Warranty:

Seven year limited warranty: Extended coverage (13-84 months) on T2-215 Series bearing is limited to the replacement of ball bearings and seals for the original, non-commercial owner. Associated bearing parts, labor, freight, etc., are not covered.

Warranty Limitations and/ or Exclusions:

1. Buckets & bucket tines, bale spears & tines, grapple tines, pallet forks, shanks, all ground engaging tools, disc openers and disc blades, air seeder hose and normal wear parts/ items carry NO warranty.
2. There is no warranty coverage if parts or attachments, other than those made or marketed by Ezee-On Manufacturing have been used in connection with the unit, and in the sole judgment of Ezee-On, such use affects its performance or reliability.
3. If the equipment has been altered or repaired in a manner which, in the sole judgment of Ezee-On, affects its performance, stability or reliability.
4. The purchaser shall be responsible for dealer travel time to the machine or to deliver the machine to the dealer's service shop for repair. Ezee-On Manufacturing does not cover delivery charges or travel time.

This warranty policy is subject to change without prior written notice at Ezee-On Manufacturing's sole discretion.

Revision: September 1, 2004

EZEE-ON MANUFACTURING

Warranty Registration Form

NOTE: Warranty reimbursement is contingent upon product registration. Please complete this form and forward by mail or fax to the address above.

OWNER'S NAME: _____

ADDRESS: _____

CITY: _____ STATE/ PROVINCE: _____

POSTAL/ ZIP CODE: _____

PHONE #: _____

EMAIL Address: _____

Model Purchased: _____

Serial Number: _____

Dealer's Name: _____

Dealer's Location: _____

I/ We acknowledge receipt of the Owner's manual for the above specified implement and acknowledge that the Owner's Manual contains the Limited Warranty Statement governing the implement purchased and also contains information vital to the proper and safe operation of this equipment.

Owner's Signature(s)

Date Signed

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 EZZE-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.

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EZZE-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.

SPECIFICATIONS

Hammer Face 9" x 12 1/2"
Maximum Hammer Height-112"
Hammer Weight- 310 lbs (Less Ballast)
Tires- 6.70 x 15 - 32 PSI

Engine Drive (Only)- Honda Engine (9 HP) w/6:1 Reduction

HYDRAULICS

Hammer Cylinder- 1 5/8" x 64" Stroke
Hitch Tilt Cylinder- 2" x 8" Stroke
Hammer Tilt Cylinder-2" x 12" Stroke
Hitch Extension Cylinder- 2" x 16" Stroke (Optional)
Hydraulic Oil Reservoir-2.1 Imperial Gallons
Hydraulic Pump- 4.5 U.S. Gal/Min @ 540 R.P.M

SAFETY RECOMMENDATIONS



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

GENERAL SAFETY

1. Only one person, the operator, should be allowed to operate the post driver.
2. Never ride, or permit others to ride, on the drawbar of the tractor or on the post driver.
3. Never allow anyone, other than the operator, on the tractor when operating or transporting the post driver.
4. Follow all safety precautions in your tractor manual.
5. Keep a first aid kit in the tractor or transport vehicle at all times.



ASSEMBLY SAFETY

1. Never exceed 40 Km/Hr (25 MPH) when transporting Post Driver.
2. Use an aligning punch to line up holes. Keep fingers out of these holes. Any sudden movement of heavy components will severely injure or sever your fingers.
3. Use a hoist or adequate manpower to lift the heavy components into place. Use adequate jacks or support materials. Attempting to lift heavy components by yourself could cause serious injury.
4. Before installing hammer always place a minimum ballast of 250 lbs (113 kgs) in weight box of the trailer for stability.
5. If mast extension kit is installed or hammer is weighted, operator must use own discretion when adding sufficient ballast to trailer weight box to insure safe assembly and operation of post driver.
6. Be sure all bolts and hydraulic fittings are tight, and all cotter pins are installed in pins.
7. Support the frame securely before assembling the components. Inadequate support may result in the heavy components falling causing serious damage to post driver and may cause serious injury to operator or person(s) nearby.
8. Be sure all wheel bolts are checked for tightness during initial transport or when first operating post driver. Loose wheel bolts may result in the wheel falling off causing serious damage to post driver and may cause serious injury to operator or person(s) nearby.
9. Before applying pressure to hydraulic system, be sure all connections are tight and components are not damaged.
10. Before proceeding with balance of assembly, place a block under rear stabilizer, arrow 1, or ILL. 1. Hitch cylinder should be in closed position. Blocking rear stabilizer will prevent any sudden frame movement when assembling the rest of the post driver.
11. Support hammer assembly with chain hoist or other over head support during assembly of frame and tilt cylinder. If heavy hammer assembly fell, person(s) nearby could be seriously injured.
12. Use cardboard or wood as a backstop when searching for hydraulic leaks. Escaping hydraulic oil under pressure can cause serious injury if it penetrates the skin. See a doctor immediately if injured.
13. Before installing hammer always place a minimum ballast of 250 lbs (113kgs) in the weight box of trailer for stability. If mast extension kit is installed or hammer is weighted, operator must use own discretion when adding sufficient ballast to trailer weight box to ensure safe and stable operation of post driver.

ASSEMBLY CONTINUED:

14. Relieve hydraulic pressure before disconnecting hydraulic components. Hydraulic components under pressure, may cause parts and hydraulic fluid to fly out at a high velocity which could cause serious injury.
15. Never remove stabilizer bar from rear of post driver. Stabilizer bar prevents post driver from falling backwards when post driver is disconnected from transport vehicle.

OPERATING SAFETY

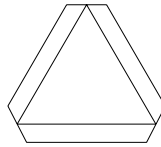
1. Never allow anyone near the post driver when you are performing operating functions.
2. When tilting, extending, retracting, raising or lowering the hammer, keep all persons away from the post driver.
3. Wear safety glasses and hand wear to protect against splinters.
4. Always have a minimum ballast of 250 lbs (113 kg) in weight box of the trailer for stability.
5. If mast extension kit is installed or hammer is weighted, operator must use own discretion when adding sufficient ballast to trailer weight box to ensure safe and stable operation of post driver.
6. Make certain everyone is clear before operating or moving the post driver.
7. Keep all untrained personnel away from the post driver at all times. Only personnel knowledgeable in the operation should be allowed near or in control of the post driver.
8. Contact local utility companies for underground services before installing posts.
9. Always make sure the hitch of the post driver has a downward weight.
10. Never place your hand on top of the post at any time during operation. Serious injury may occur.
11. Always use hand held post holder or optional post guide to position post under hammer when driving posts. Using one of these devices may prevent injury to hand or arm.
12. Know the functions of each operating lever of hydraulic controls before proceeding with operations. Never use the valve to stop hammer except in extreme emergency. The resulting extreme pressure may seriously damage hydraulic system.
13. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.
14. If the torque arm chain of PTO pump is not properly secured, severe damage to the pump and hydraulic circuitry could occur.
15. Always attach a safety chain to the tractor or vehicle hitch before transporting post driver. Serious damage to the post driver and serious injury or death could result from post driver separating from tractor or the vehicle hitch.
16. Do not operate Post Driver when it is disconnected from transport vehicle.
17. Always stay clear of P.T.O. or ENGINE drive shaft when they are in operation. Serious injury or death will result if clothing, hair or limbs are caught in these drive shafts.
18. Before connecting (or disconnecting) hydraulic pump to (or from) tractor's P.T.O. shaft, disengage P.T.O. and shut off tractor engine.
19. When driving posts, always watch for over head power lines. If post driver makes contact with power lines, operator or those nearby could be seriously injured.
20. Always ensure tractor's P.T.O. safety shield is installed.
21. Always use discretion when operating or transporting post driver on uneven terrain. Uneven terrain may cause post driver to upset causing serious injury or death to person(s) nearby and serious damage to post driver.

OPERATING SAFETY CONTINUED:

22. Always stand clear when positioning post driver with hydraulic extendable hitch. The R.H. tire may roll over the feet of operator or person(s) nearby causing serious injury.
23. Never allow any other person or persons to stand near hammer when post driver is being operated. This post driver is designed to be operated by one person only. Serious injury or death will result if a person is struck by a falling or tilting hammer.
24. Never allow another person to hold the post under hammer when post driver is being operated. Serious injury or death will result if a person is struck by a falling or tilting hammer.
25. Always lower hammer and shut off power when post driver is left unattended or is not in operation. Serious injury or death may result if hammer fell unexpectedly and struck person(s) nearby.

TRANSPORT SAFETY

1. Never exceed 40 Km/h (25 m.p.h.) when transporting post driver.
2. Reduce speed when transporting post driver over uneven or rough terrain.
3. Shift the tractor into a lower gear when transporting post driver down hills or steep slopes.
4. Be sure SMV (slow moving vehicle) emblem is clean and visible before transporting post driver. The SMV emblem warns other vehicles approaching from rear.



5. Comply with all State, Provincial, Federal and local laws when transporting post driver on roadways.
6. Retract all cylinders before transporting post driver.
7. Always test the hitch weight before releasing the post driver from the transport vehicle or hold down.
8. Lift the hitch slowly and keep it no higher than the tow bar when attaching or releasing it from the transport vehicle.
9. Do not move the post driver by hand. Make certain the post driver trailer is properly secured to a transport vehicle.
10. When transporting the post driver on a public road or highway by night or during the day, use accessory lights and devices to give adequate warning to the operators of other vehicles. Check local regulations.
11. Always attach a safety chain to the tractor or vehicle hitch before transporting post driver. Serious damage to the post driver and serious injury or death to person(s) nearby could result from post driver separating from tractor or the vehicle hitch.
12. Always use discretion when operating or transporting post driver on uneven terrain. Uneven terrain may cause post driver to upset causing serious injury or death to person(s) nearby and serious damage to post driver.

MAINTENANCE

1. Always support post driver trailer and hammer on stands or blocks and have sufficient weight on the hitch, or have the hitch attached to a transport vehicle before performing assembly or repair work under or around post driver.
2. Never work on the hammer when it is in the raised or partially raised position.
3. Escaping hydraulic fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that all lines, pipes and hoses are not worn or damaged.

MAINTENANCE CONTINUED:

4. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.
5. If spray-can paint is used, be careful when discarding empty cans. Do not incinerate or puncture can.
6. Do not permit smoking, sparks, or open flame where combustible lubricants or liquids are being used.
7. Replace any worn or damaged hydraulic hoses and keep all hydraulic hoses and hydraulic fittings tight.
8. Shut off all power before adjusting, servicing or cleaning the post driver.
9. Do not lubricate or adjust post driver when it is being operated or while it is in motion.
10. Always retract all cylinders, shut off tractor engine and disengage P.T.O. or shut off post driver engine before lubricating post driver.
11. When servicing the post driver, make sure the hitch is securely attached to transport vehicle, or hitch hold down.
12. Replace any safety decals that are damaged or are illegible.

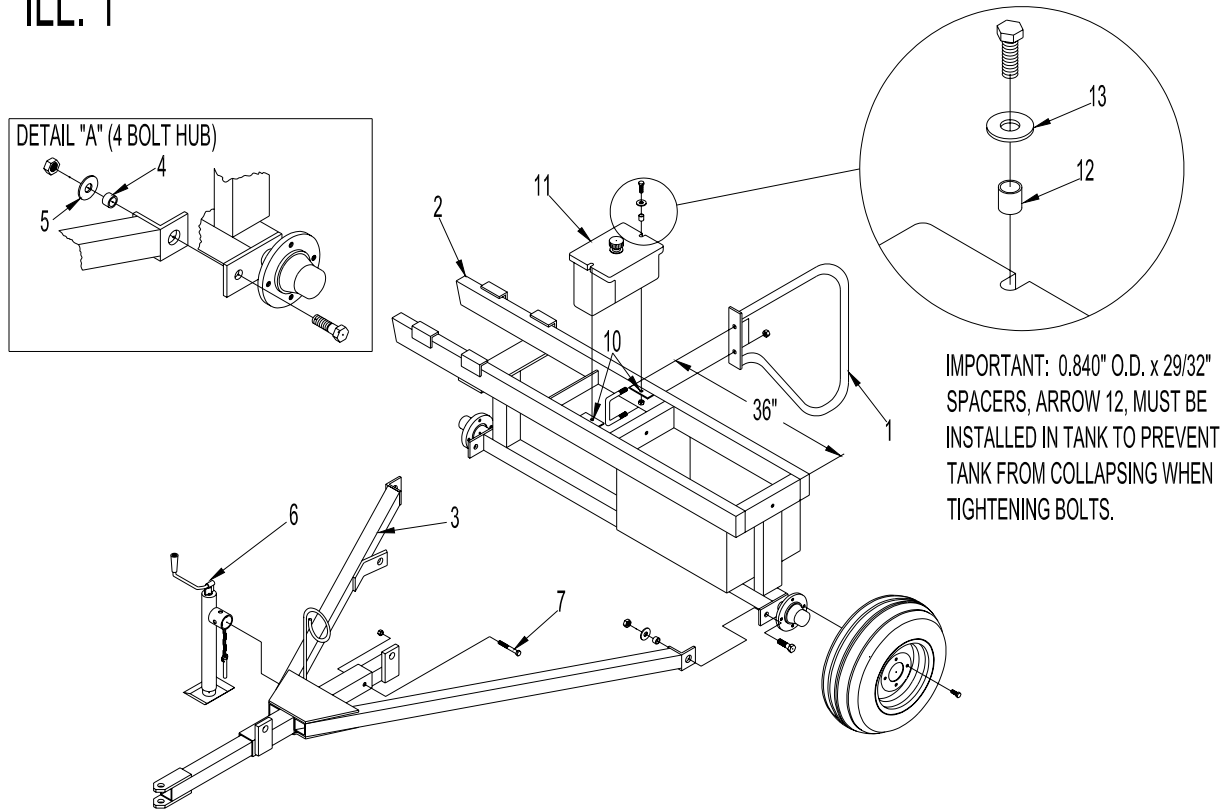
STORAGE SAFETY

1. Do not store the post driver with the hammer raised.
2. Lift the hitch slowly and keep it no higher than the tow bar when attaching or releasing it from the transport vehicle.

NOTE: AN ACCIDENT IS USUALLY CAUSED BY SOMEONE'S CARELESSNESS, NEGLIGENCE, OR OVERSIGHT. REMEMBER, SAFETY COMES FIRST.

**AN ACCIDENT NOT ONLY HURTS,
BUT ALSO COSTS YOU VALUABLE LOST TIME.**

ILL. 1



ASSEMBLY INSTRUCTION

NOTE: Left and right is determined by standing behind the machine and facing forward.



CAUTION: USE A HOIST OR ADEQUATE MAN POWER TO LIFT HEAVY COMPONENTS IN PLACE. ATTEMPTING TO LIFT HEAVY COMPONENTS BY YOURSELF COULD CAUSE SERIOUS INJURY.



CAUTION: SUPPORT FRAME SECURELY BEFORE ASSEMBLING COMPONENTS. HEAVY FRAME COULD CAUSE SERIOUS INJURY IF IT FELL.

1. See ILL. 1. Fasten rear stabilizer bar, arrow 1, to rear of frame, arrow 2, with one (1)-5/8" x 4" U-bolt c/w nuts and lockwashers. Position approximately 36" from L.H. end of frame. Tighten bolts.



DANGER: NEVER REMOVE STABILIZER BAR FROM REAR OF POST DRIVER. STABILIZER BAR PREVENTS POST DRIVER FROM FALLING BACKWARDS WHEN POST DRIVER IS DISCONNECTED FROM TRANSPORT VEHICLE.

2. HITCH ASSEMBLY

Place hitch assembly, arrow 3, between frame hitch lugs. To fasten hitch to frame, install two (2) 3/4" x 2-1/2" hex. bolts from outside of frame lugs through holes in hitch. Next, install a 3/4" I.D. x 5/8" long bushing, arrow 4, over end of each bolt and into hole of hitch. Then place a 2" O.D. x 3/4" I.D. flatwasher, arrow 5, over each bolt. Secure each bolt with 3/4" nylon locknut. Tighten bolts. See Detail AA.



CAUTION:

WHEN ASSEMBLING POST DRIVER, USE ALIGNING PUNCH TO LINE UP HOLES. KEEP FINGERS OUT OF HOLES. ANY SUDDEN MOVEMENT OF HEAVY COMPONENTS WILL SEVERELY INJURE OR SEVER YOUR FINGERS.

3. See ILL. 2. Fasten 2" x 8" hydraulic cylinder, arrow 1, to hitch and frame. Attach barrel end to lug, arrow 2, on frame. Be sure port are facing R.H.S. Attach shaft end of cylinder to lug, arrow 3, on hitch. Use cylinder pins supplied with cylinder to attach cylinder. Cylinder should be in closed position so frame is tilted forward as shown in ILL. 2.
4. If post driver was ordered from factory less tires, install 6.70 x 15 - 4 ply tires or equivalent on wheels. 7.60 x 15 - 4 ply can also be used. Ensure tire pressure is 28 PSI.
5. See ILL. 1. Install wheel and tire, arrow 14, assemblies to hubs, arrow 15. Tighten wheel bolts. Check wheel bolt tightness during first week of transport and periodically thereafter.



CAUTION:

BE SURE ALL WHEEL BOLTS ARE CHECKED FOR TIGHTNESS DURING INITIAL TRANSPORT OR WHEN FIRST OPERATING POST DRIVER. LOOSE WHEEL BOLTS MAY RESULT IN THE WHEEL FALLING OFF CAUSING SERIOUS DAMAGE TO POST DRIVER AND MAY CAUSE SERIOUS INJURY TO OPERATOR OR PERSON(S) NEARBY.

6. See ILL. 1. Install optional hitch jack, arrow 6, to mounting tube on right hand side of hitch. Pin jack in vertical position to support hitch.
7. See ILL.1. If **optional** horizontal hitch cylinder kit is not used, one (1) 5/8" x 4" N.C. hex bolt, c/w locknut, arrow 7, must be installed. This will prevent the hitch from sliding in or out during transport.



CAUTION:

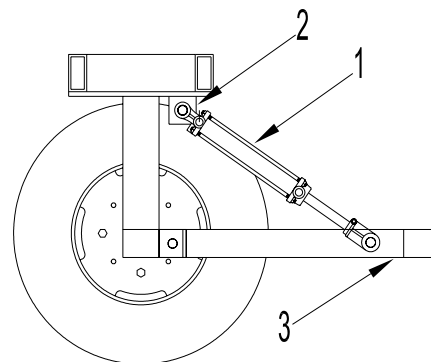
BEFORE PROCEEDING WITH BALANCE OF ASSEMBLY, PLACE A BLOCK UNDER REAR STABILIZER BAR, ARROW 1, OF ILL.1 HITCH CYLINDER SHOULD BE IN CLOSED POSITION. BLOCKING REAR STABILIZER WILL PREVENT ANY SUDDEN FRAME MOVEMENT WHEN ASSEMBLING THE REST OF THE POST DRIVER.



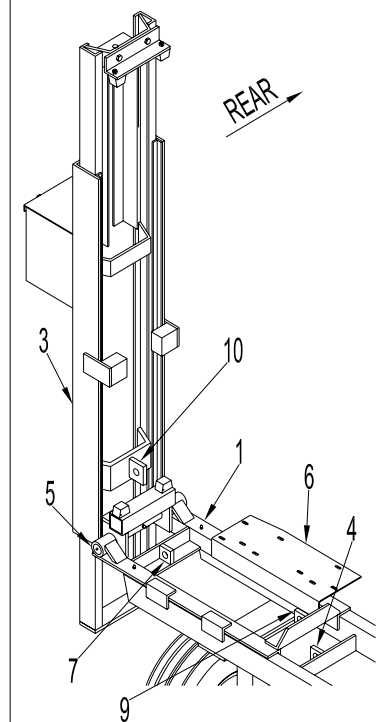
WARNING:

BEFORE INSTALLING HAMMER ALWAYS PLACE A MINIMUM BALLAST OF 250 LBS (113 KGS) IN THE WEIGHT BOX OF TRAILER FOR STABILITY. IF MAST EXTENSION KIT IS INSTALLED OR HAMMER IS WEIGHTED, OPERATOR MUST USE OWN DISCRETION WHEN ADDING SUFFICIENT BALLAST TO TRAILER WEIGHT BOX TO ENSURE SAFE AND STABLE OPERATION OF POST DRIVER.

ILL. 2.



ILL. 3.



ASSEMBLY CONTINUED:

8. See ILL. 3 & 4. With horizontal slide, arrow 1, inserted into frame, fasten a 2" x 16" hydraulic cylinder, arrow 2, to frame and horizontal slide. Attach barrel end to lug, arrow 7, on horizontal slide frame. Be sure ports are facing towards rear. Attach shaft end of cylinder to lug, arrow 4, on frame. Use cylinder pins supplied with cylinder to attach cylinder. See both illustrations.
9. See ILL. 3 & 4. Fasten hammer assembly, arrow 3, to horizontal slide, arrow 1, with one 1-3/8" dia. x 17-1/2" pin, arrow 5. Secure pin with two 3/8" x 2" cotter pins. See both illustrations.
10. See ILL. 3 & 4. Fasten a 2" x 12" hydraulic cylinder, arrow 8, to horizontal slide and hammer assembly. Attach barrel end to lug, arrow 9, on horizontal slide. Be sure ports are facing up. Fasten shaft end to lug, arrow 10, on hammer assembly. Use cylinder pins supplied with cylinder to attach cylinder. See both illustrations.
11. See ILL. 1. Attach oil reservoir, arrow 11, to two (2) lugs, arrow 10, on frame. Before installing bolts, place one (1) .840" O.D. x 29/32" spacer, arrow 12, in slot on each side of reservoir. Place One (1) 3/8" O.D. x 9/16" I.D. flatwasher, arrow 13, over each slot. Secure reservoir to frame with two (2) 1/2" x 2" hex bolts c/w locknut. Fasten bolts through flatwasher and spacer. Tighten bolts.

IMPORTANT: .840" O.D. x 29/32" SPACERS, ARROW 12, MUST BE INSTALLED IN TANK TO PREVENT TANK FROM COLLAPSING WHEN TIGHTENING BOLTS.



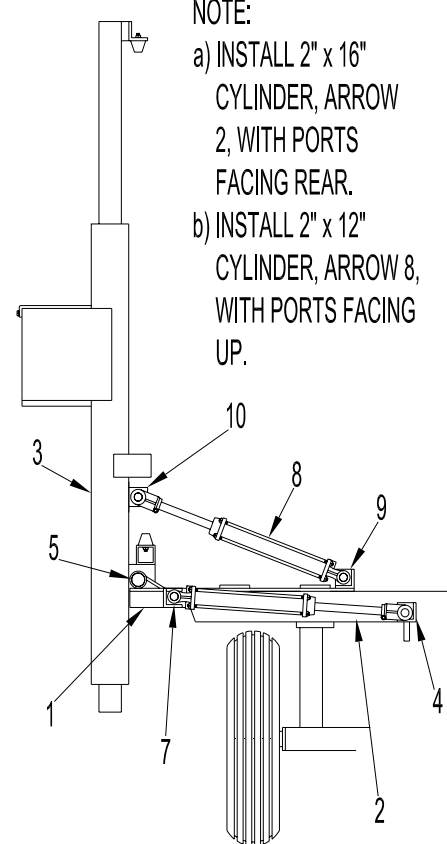
CAUTION:

SUPPORT HAMMER ASSEMBLY WITH CHAIN HOIST OR OTHER OVER HEAD SUPPORT DURING ASSEMBLY TO FRAME AND TILT CYLINDER. IF HEAVY HAMMER ASSEMBLY FELL, PERSONS NEARBY COULD BE SERIOUSLY INJURED.

12. See ILL. 5. Join 3 spool valve, arrow 1, and single spool valve, arrow 2, together with a 3/4" x 2" N.P.T. nipple, arrow 3. Next, fasten (3) control levers, arrow 5, to 3 spool valve. Attach handles so that they point up.
If your post pounder is equipped with hydraulic hitch extension kit, proceed to section 12.
If hydraulic hitch extension kit is not used, fasten valve assembly to valve bracket, arrow 4, with (6) 3/8" x 2" N.C. hex bolts c/w nuts lockwashers and flatwashers. Place flatwasher on bottom side of mount plate.

NOTE: IF HYDRAULIC HITCH EXTENSION KIT IS USED, SEE SECTION 13 ON NEXT PAGE BEFORE ATTACHING VALVE TO BRACKET.

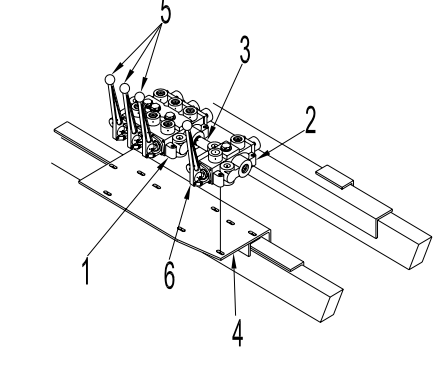
ILL. 4.



NOTE:

- a) INSTALL 2" x 16" CYLINDER, ARROW 2, WITH PORTS FACING REAR.
- b) INSTALL 2" x 12" CYLINDER, ARROW 8, WITH PORTS FACING UP.

ILL. 5.



13. HITCH EXTENSION KIT. (OPTIONAL)

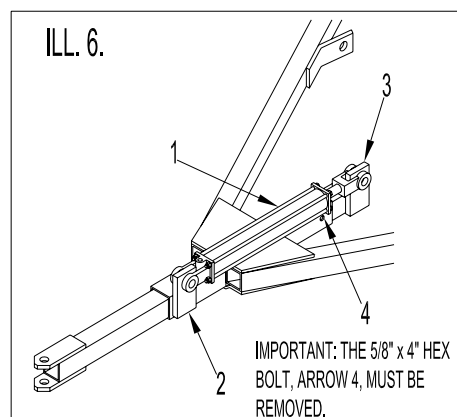
- (A) Hydraulic Cylinder Installation See ILL. 6.
Fasten barrel end of 2" x 16" hydraulic cylinder, arrow 1, to front cylinder lug, arrow 2. Fasten shaft end of 2" x 16" cylinder to rear cylinder lug, arrow 3. Use cylinder pins supplied with cylinder to attached cylinder.

IMPORTANT: FOR POST DRIVERS WITH HITCH EXTENSION KIT, THE 5/8" x 4" N.C. HEX BOLT, ARROW 4, **MUST BE REMOVED.**

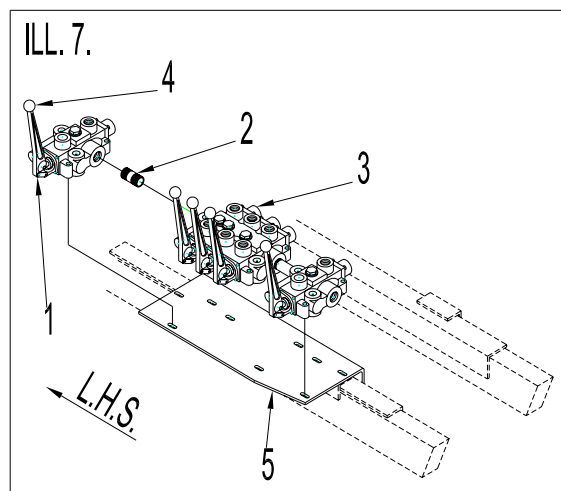


CAUTION:

ALWAYS STAND CLEAR WHEN POSITIONING POST DRIVER WITH HYDRAULIC EXTENDABLE HITCH. THE R.H. TIRE MAY ROLL OVER THE FEET OF OPERATOR OR PERSON(S) NEARBY CAUSING SERIOUS INJURY.



- (B) Single Spool Valve Installation. See ILL. 7
Connect single spool valve, arrow 1, to AIN" port on L.H.S. of 3 spool valve, arrow 3. Next attach handle, arrow 4, to single spool valve arrow 1. Attach handle so it points up.
- (C) See Ill. 7. Fasten valve assembly to valve bracket, arrow 5, (9) 3/8" x 2" N.C. hex bolt c/w nuts, lockwashers and flatwashers. Place flatwashers on bottom side of mount pl

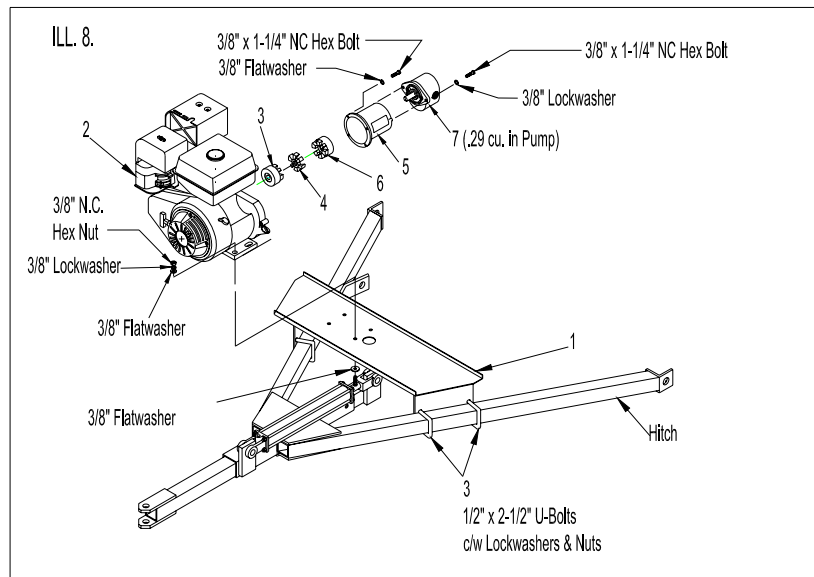


ASSEMBLY CONTINUED:

14. MOUNTING HONDA ENGINE - ENGINE DRIVE ONLY

- See ILL. 8

- a) Attaching engine mount plate, arrow 1. The L.H.S. of the motor mount plate is fastened to the inside of the L.H.S. hitch tube, using two (2) 1/2" x 2 1/2" U-bolts c/w nut and lockwasher, arrow 3. The R.H.S. of the motor mount plate is fastened to the outside of the R.H.S. hitch tube. The motor mount plate is fastened this way so the engine is not damaged when the post rack pivots forward.
- b) Fasten Honda engine, arrow 2, to top of mount plate, arrow 1. Secure with (4) 3/8" x 1-3/4" hex. bolts c/w nuts, lockwashers and flatwashers. Place 7/16" I.D. flatwashers, over engine mount holes and bottom of mount plate. Tighten bolts.
- c) Install 1" I.D. drive coupling, arrow 3, on engine drive shaft, leave screw loose. (Besure key is installed).
- d) Place 6 spoke rubber spider, arrow 4, over drive of coupling, arrow 3.
- e) Place 4 hole end on pump mount housing, arrow 5, over engine drive shaft and fasten to four (4) threaded holes in engine. Secure with four (4) 3/8" x 1-1/4" N.C. hex bolt c/w pressure treated bolts.
- f) Next install 3/4" I.D. drive coupling, arrow 6, on pumps, arrow 7, drive shaft leave. Set screw loose (Besure key is installed)



- g) Place shaft end of pump, arrow 7, over end of pump mount housing, arrow 5. Besure pump orientation is correct. The "Cassappa" letter on back side pump must not be upside down. If pump is upside down, "IN" and "OUT" pump will not be on correct side. Also besure drive coupler on pump shaft engages pump side of engine drive shaft. Remove one of the side access covers (yellow) on pump housing to view flex coupler from the side. Next, secure pump to housing with two (2) 3/8" x 1-1/4" N.C. hex bolt c/w lockwashers.
- h) Using side access on pump housing, adjust flex coupler of engine and pump shafts so both metal couplings are tight against rubber spider and fully engaged. Then tighten set screws to secure couplings to shafts.
- i) Replace the side access cover(s) (yellow) on pump mount housing.

ASSEMBLY CONTINUED:

15. ATTACHING HYDRAULIC HOSES and FITTINGS-

See ILL.9, on page 12 for P.T.O. System **less** horizontal hitch cylinder.
See ILL. 10, on page 13 for engine plane system **less** horizontal hitch cylinder
See ILL. 11, on page 14 for P.T.O. system **with** horizontal hitch cylinder
See ILL. 12, on page 15 for engine drive system **with** horizontal hitch cylinder

IMPORTANT: DO NOT USE TEFLON TAPE TO SEAL HYDRAULIC HOSES AND FITTINGS. IF PIECES OF TAPE GETS INTO THE HYDRAULIC SYSTEM THEY MAY PLUG SMALL ORIFICES.

IMPORTANT: CLEANLINESS IS ABSOLUTELY NECESSARY TO PREVENT CONTAMINATION WHEN HOOKING UP THE HYDRAULIC SYSTEM COMPONENTS. HANDLE FITTINGS CAREFULLY. DO NOT REMOVE THE CAPS FROM HOSE ENDS, VALVES, OR OIL TANK.

a) Attach hoses and fittings of hydraulic system to hydraulic pump, valves, cylinders and oil reservoir as shown in ILL.9, 10,11 and 12.

IMPORTANT: BE SURE THE 3/8" MALE-FEMALE SWIVELS WITH RESTRICTED ORIFICE, PAINTED BLACK, ARE INSTALLED IN THE 2" x 8" HITCH TILT CYLINDER AND THE 2" x 12" HAMMER TILT CYLINDER. TWO FITTINGS ARE REQUIRED PER CYLINDER.

b) P.T.O. TYPE PUMP ONLY - See ILL. 9 or 11

b1) Fasten torque arm and chain assembly to pump with two (2) 3/8" x 1-1/2" N.C. hex. bolts complete with nuts and lockwashers. Fasten as shown in ILL. 9 or 11 from bottom of pump.

b2) Install 3/16" key in pump shaft, then slide P.T.O. adapter over shaft. Secure by tightening set screw. See ILL.9 or 11.

c) **IMPORTANT:** WHEN THE POST DRIVER HAS BEEN IDLE FOR A PERIOD OF TIME, THE HAMMER AND TILT CYLINDERS MAY CREEP CAUSING A VOID IN THE CYLINDER. THIS CYLINDER MOVEMENT IS CAUSED BY A LACK OF OIL PRESSURE IN CYLINDERS WHEN THE POST DRIVER IS NOT BEING USED. FOR PISTON SEALS TO HOLD OIL THERE MUST BE ENOUGH HYDRAULIC PRESSURE IN THE CYLINDERS TO DEFORM THE SEAL. THIS SEAL DEFORMATION PUSHES THE SEAL AGAINST THE WALL OF THE CYLINDER AND PISTON BLOCK, GIVING AN OIL TIGHT SEAL.

THE VOID IN BOTH TILT CYLINDERS MUST BE FILLED TO PREVENT CYLINDER MOVEMENT WHEN DRIVING POSTS. THEREFORE, BEFORE OPERATING THE POST DRIVER, CYCLE THE HAMMER TILT CYLINDER AND HITCH TILT CYLINDER ONCE DAILY. PUSH OR PULL THE VALVE HANDLE TO MAXIMUM POSITION WHEN CYCLING OR OPERATING THE CYLINDERS. DO NOT FEATHER. FEATHERING OR HOLDING VALVE HANDLES IN A PARTIALLY OPEN POSITION WILL ALSO CAUSE A VOID IN THE CYLINDERS.



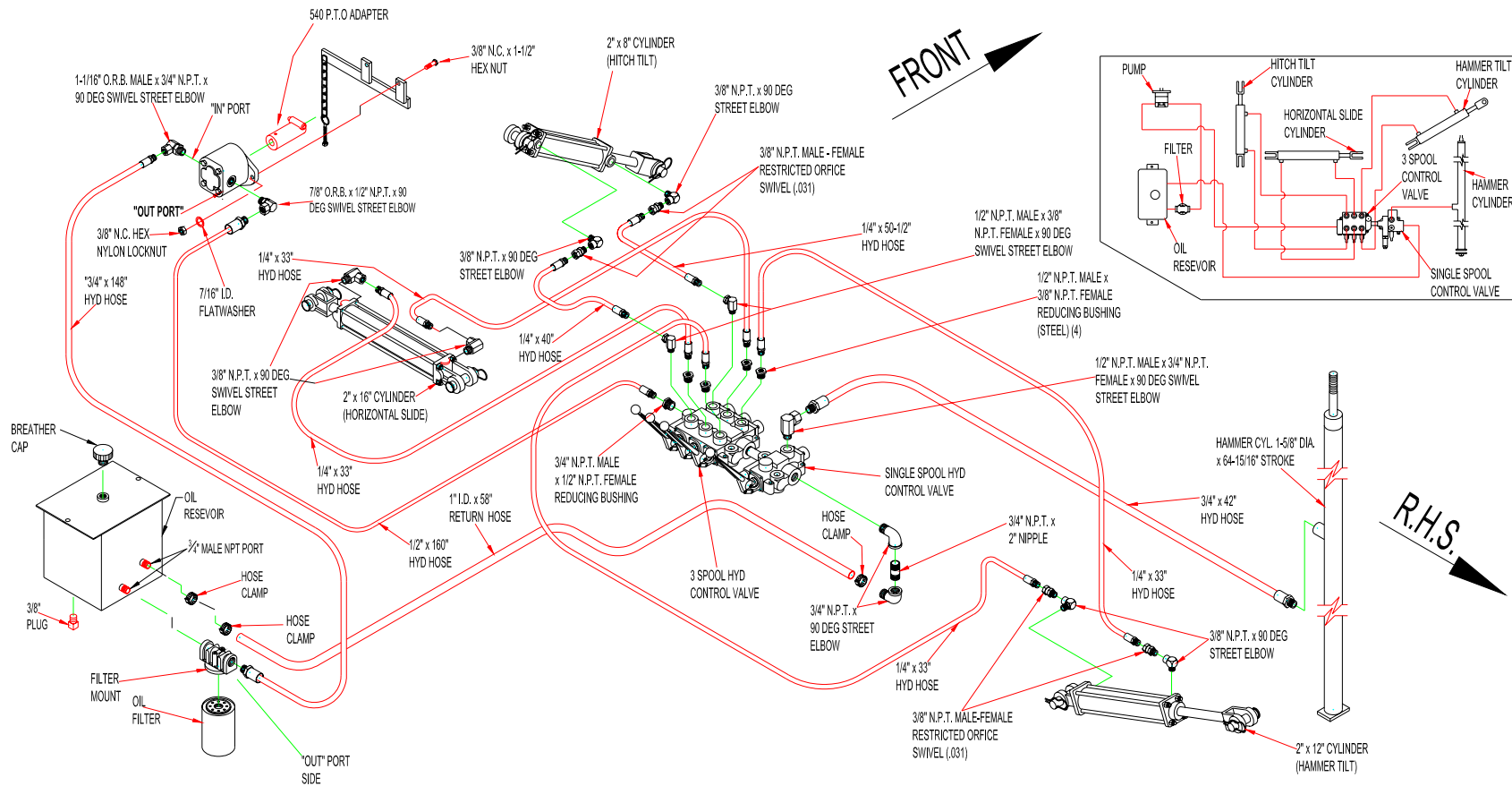
WARNING: USE CARDBOARD OR WOOD AS A BACKSTOP WHEN SEARCHING FOR HYDRAULIC LEAKS. ESCAPING HYDRAULIC OIL UNDER PRESSURE CAN CAUSE SERIOUS INJURY IF IT PENETRATES THE SKIN. SEE A DOCTOR IMMEDIATELY IF INJURED.



WARNING: RELIEVE HYDRAULIC PRESSURE BEFORE DISCONNECTING HYDRAULIC COMPONENTS. HYDRAULIC COMPONENTS UNDER PRESSURE, MAY CAUSE PARTS AND HYDRAULIC FLUID TO FLY OUT AT A HIGH VELOCITY WHICH COULD CAUSE SERIOUS INJURY.

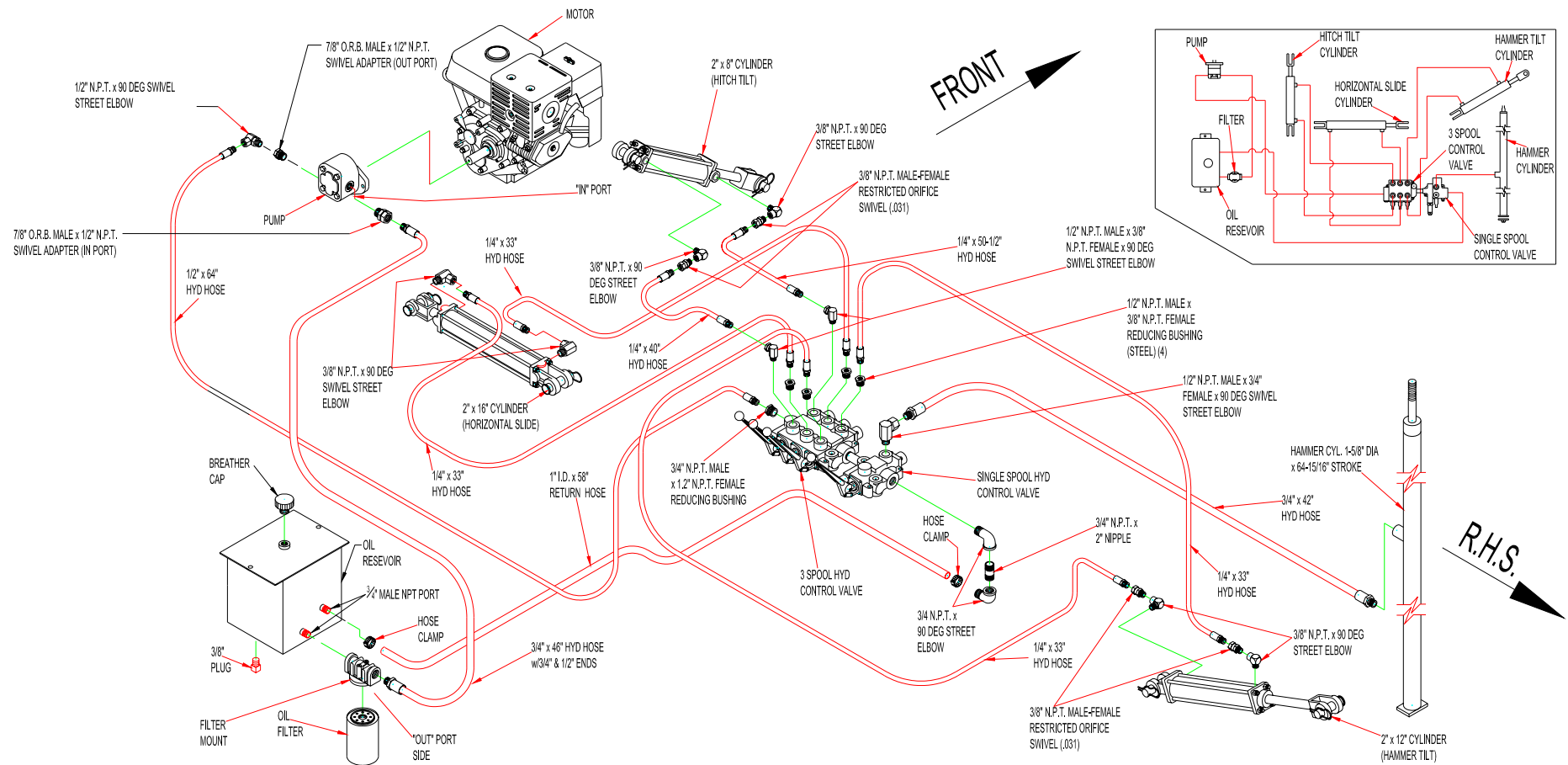
POST DRIVER MODEL 2400 HYDRAULIC SYSTEM FOR P.T.O DRIVE

ILL. 9



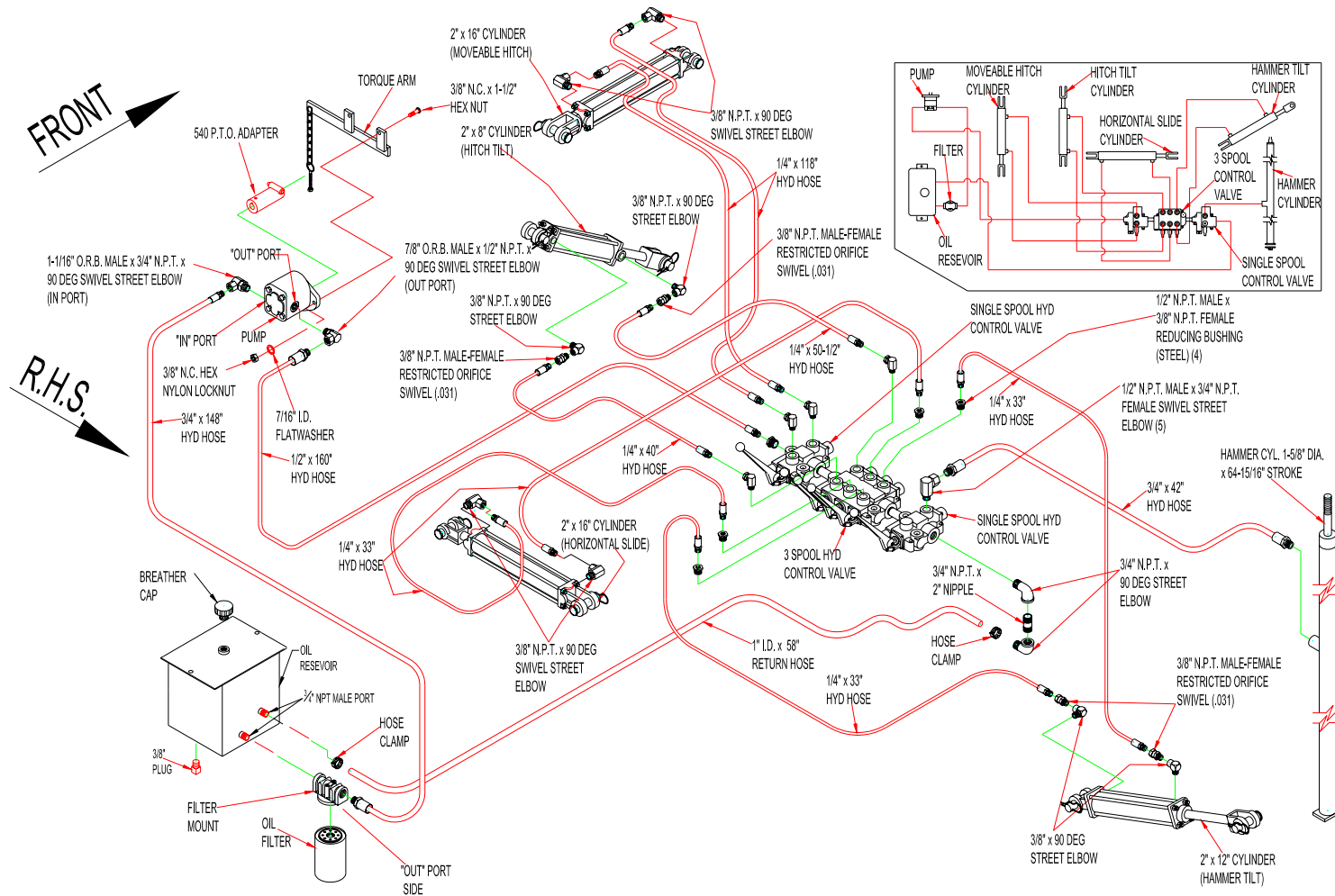
MODEL 2400 POST DRIVER HYDRAULIC SYSTEM ENGINE DRIVE

ILL. 10



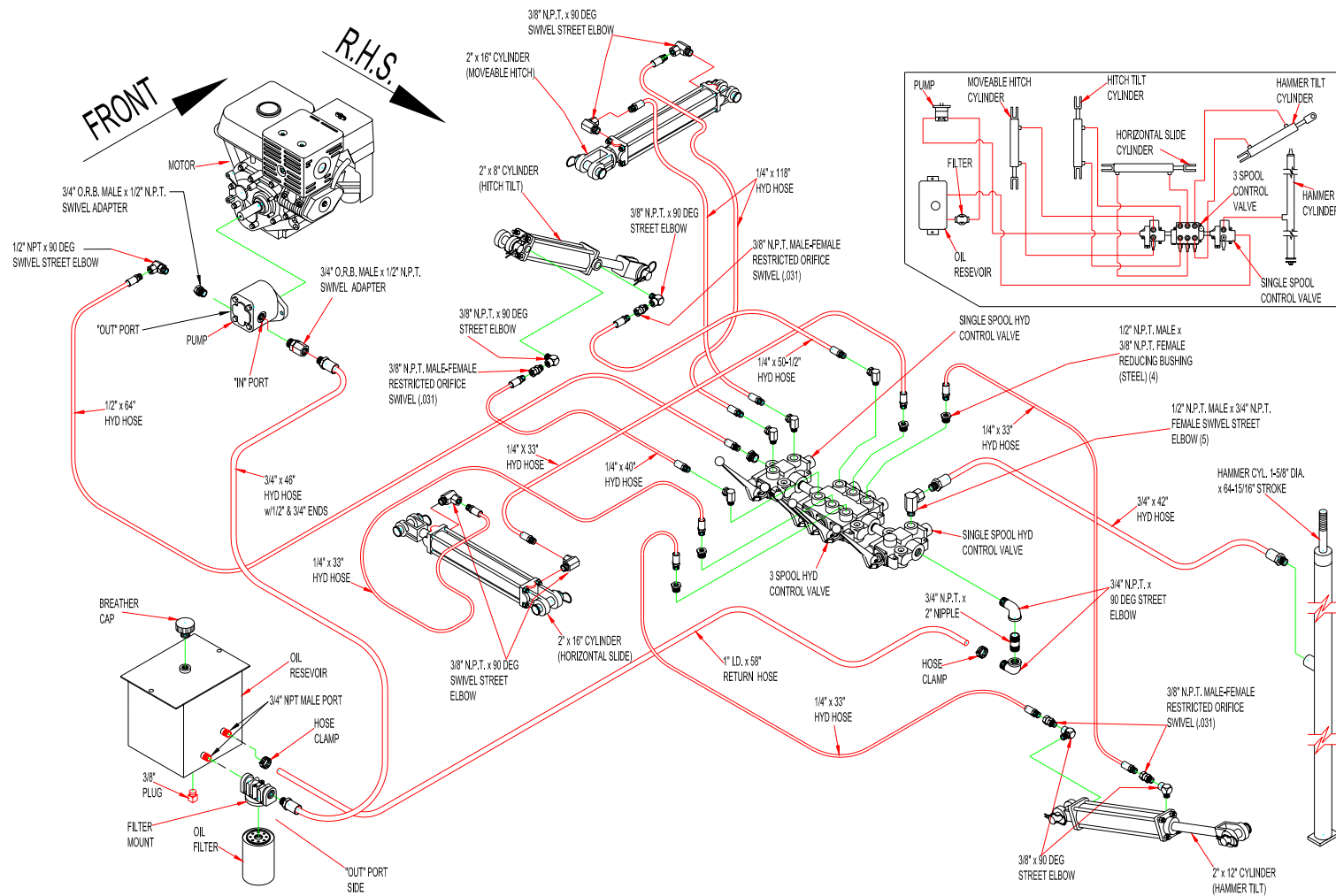
MODEL 2400 POST DRIVER **P.T.O. DRIVE HYDRAULIC SYSTEM** **(c/w OPTIONAL HITCH EXTENSION KIT)**

ILL. 11



MODEL 2400 POST DRIVER ENGINE DRIVE HYDRAULIC SYSTEM (c/w OPTIONAL HITCH EXTENSION KIT)

ILL. 12



16. FILLING HYDRAULIC SYSTEM - See ILL. 7, ILL. 8, and ILL. 10.

- a) Fill oil reservoir with hydraulic oil. Use Esso Hydro 56 or equivalent.
- b) Hitch post driver to tractor and install pump to P.T.O. See Section 1 or OPERATING INSTRUCTIONS. (PTO installation not required for engine drive models.
- c) Engage P.T.O. or start ENGINE. Using hydraulic valve control levers, see Section 2 of OPERATING INSTRUCTIONS, pump hydraulic oil into all cylinders. Extend and contract cylinders until completely filled with oil. Add oil to reservoir as required. The level should be 1 inch from top of tank. Oil reservoir is shown in ILL. 7 and 8.



CAUTION: BEFORE APPLYING PRESSURE TO HYDRAULIC SYSTEM, BE SURE ALL CONNECTIONS ARE TIGHT AND COMPONENTS ARE NOT DAMAGED.

17. INSTALLING POST RACK (OPTIONAL)

See ILL. 13.

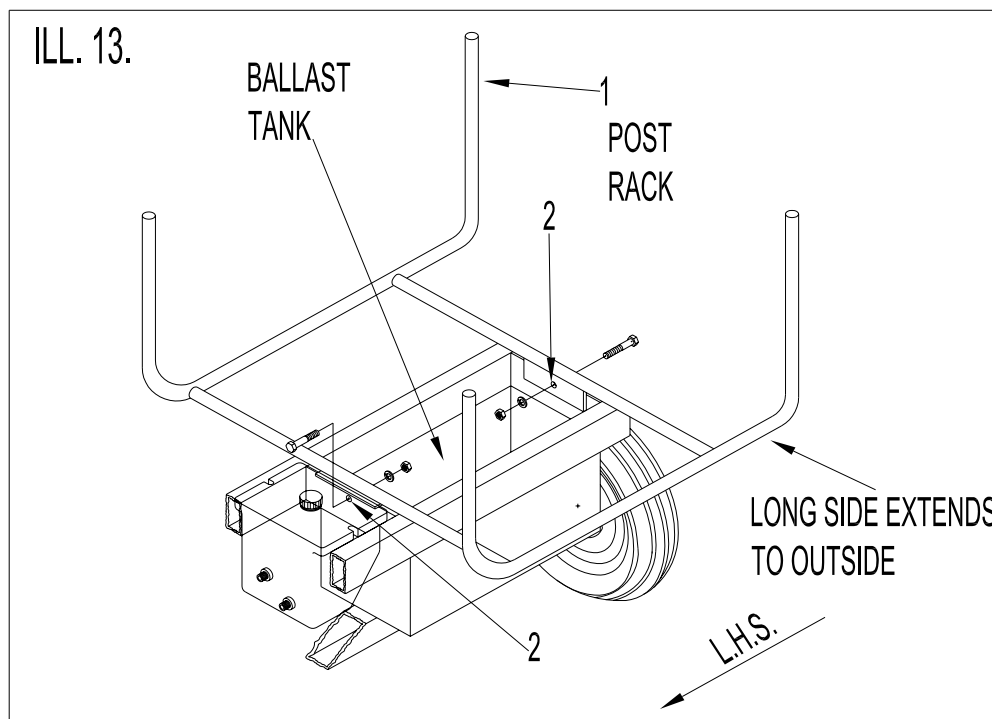
Bolt post rack, arrow 1, to top L.H.S. or post driver frame. Fasten two (2) holes, arrow 2, drilled in frame. Secure (2) 5/8" x 3-1/2" hex. bolts c/w nuts and lockwashers. Post rack is made so uprights are offset to one side. Be sure post rack is installed so long side is extended to outside.

IMPORTANT: IF POST RACK IS ASSEMBLED SO LONG SIDE OF OFFSET EXTENDS TO THE **INSIDE**, THE RACK WILL BE PLACED OVER THE HYDRAULIC TANK WHICH MAY DAMAGE TANK WHEN POSTS ARE LAID IN RACK.

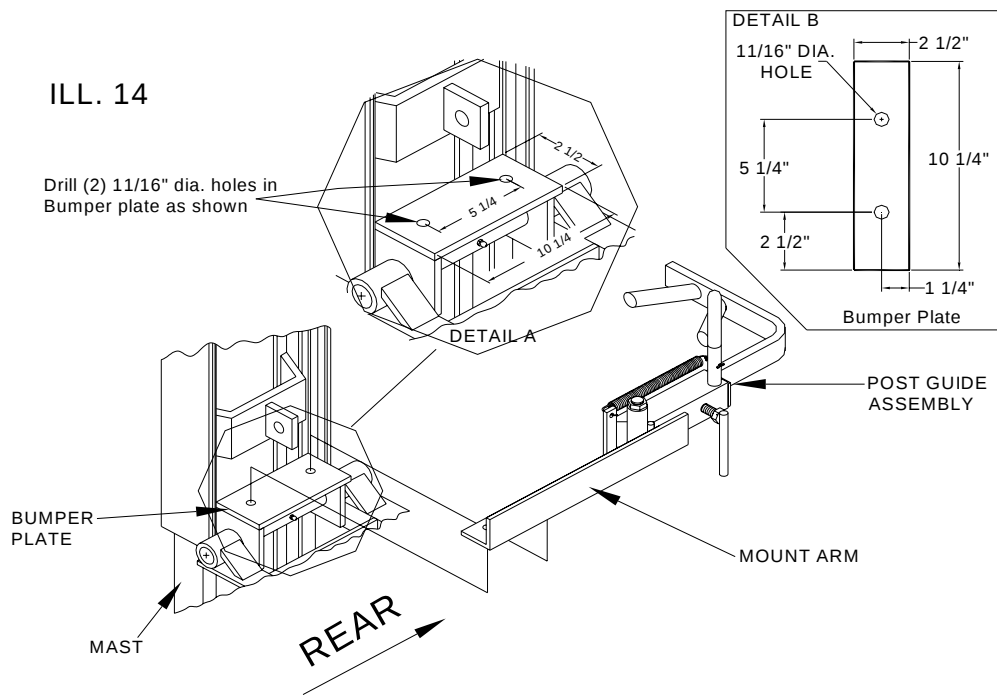
18. See ILL. 13. To help keep post driver stable when driving post, fill **ballast tank** on left hand side of trailer with suitable material. Approximately 250 lbs (113 kg) of material.



CAUTION: BE SURE ALL BOLTS AND HYDRAULIC FITTINGS ARE TIGHT, AND ALL COTTER PINS ARE INSTALLED IN PINS.



ILL. 14



19. POST GUIDE INSTALLATION INSTRUCTIONS - SEE ILL. 14.

STEP I: Operate Post Driver to move hammer and mast to vertical position. Raise hammer approximately 12".



CAUTION: BLOCK HAMMER IN RAISED POSITION. IF HYDRAULIC SYSTEM FAILED OR IF HYDRAULIC LEVER WAS ACCIDENTALLY OPERATED, HAMMER COULD FALL CAUSING SERIOUS INJURY OR DEATH.

STEP II: If Post Driver does not have installation holes in bumper plate, then proceed as follows:

- See ILL. 14. Mark location of holes on bumper plate and drill two (2) 11/16" diameter holes. Detail AA≡ and AB≡ show where holes must be located in bumper plate.

STEP III: See ILL.14. Fasten mount arm of post guide assembly to two (2) holes in bumper plate of mast. Position as shown. Secure with two (2) 5/8" x 1-1/2" N.C. hex bolt c/w nuts and lockwashers. Tighten bolts.

OPERATING INSTRUCTIONS

1. PREPARING POST DRIVER FOR OPERATION

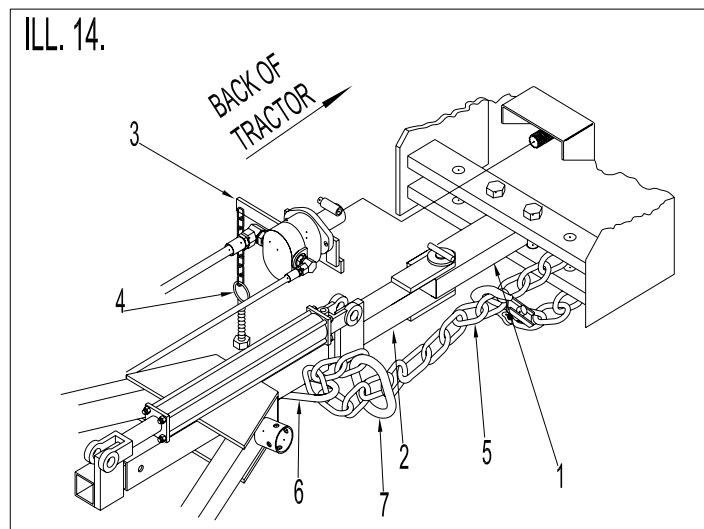
- Check the oil level in oil reservoir. The level should be 1 inch from top of reservoir. If filling is required, use ESSO Hydro 56 or equivalent.
- Check that the rubber bumpers on upper and lower hammer stops are in place and in good condition.
- Ensure tire pressure is 28 PSI.
- Be sure ballast box on trailer, shown in ILL. 9, has a minimum of 250 lbs of ballast.



WARNING:

ALWAYS HAVE A MINIMUM BALLAST OF 250 lbs (113 kg) IN WEIGHT BOX OF THE TRAILER FOR STABILITY. IF MAST EXTENSION KIT IS INSTALLED OR HAMMER IS WEIGHTED, OPERATOR MUST USE OWN DISCRETION WHEN ADDING SUFFICIENT BALLAST TO TRAILER WEIGHT BOX TO ENSURE SAFE AND STABLE OPERATION OF POST DRIVER.

- Ensure both sides of hammer slide are greased before activating controls.
- Check all bolts for tightness.



2. TRACTOR HOOK-UP - See ILL. 14

- Before hitching the post driver to the tractor, pin the tractor drawbar, arrow 1, in a fixed, center position. A fixed drawbar provides greater stability.
- Back tractor into position and attach the post driver hitch, arrow 2, to tractor drawbar.



DANGER:

LIFT THE HITCH SLOWLY AND KEEP IT NO HIGHER THAN THE TOW BAR WHEN ATTACHING OR RELEASING IT FROM THE TRANSPORT VEHICLE.



WARNING:

ALWAYS ENSURE TRACTOR'S P.T.O. SAFETY SHIELD IS INSTALLED.

OPERATING INSTRUCTIONS CONTINUED:

1) FOR P.T.O. DRIVE ONLY - See ILL. 10

- c1) With torque arm, arrow 3, on left hand side, connect the spline adapter of pump, arrow 4, onto the tractor P.T.O. shaft.
- c2) Place I-bolt of torque arm and chain, arrow 4, through a convenient hole in drawbar. Secure with flatwasher and locknut.



CAUTION: BEFORE CONNECTING (OR DISCONNECTING) HYDRAULIC PUMP TO (OR FROM) TRACTOR'S P.T.O. SHAFT, DISENGAGE P.T.O. AND SHUT OFF TRACTOR ENGINE.



CAUTION: IF THE TORQUE ARM CHAIN OF P.T.O. PUMP IS NOT PROPERLY SECURED, SEVERE DAMAGE TO THE PUMP AND HYDRAULIC CIRCUITRY COULD OCCUR.



DANGER: ALWAYS STAY CLEAR OF P.T.O. WHEN IT IS ENGAGED. SERIOUS INJURY OR DEATH WILL RESULT IF CLOTHING, HAIR OR LIMBS ARE CAUGHT IN P.T.O. DRIVE SHAFT.

d) INSTALL SAFETY CHAIN- See ILL. 14

- d1) Thread chain, arrow 5, through loop, arrow 6, on front R.H.S. of hitch.
- d2) To fasten chain to loop, arrow 6, create a loop by threading end of chain through large link, arrow 7 at one end.
- d3) Next, connect opposite end of chain to tractor drawbar support.

IMPORTANT: WHEN TRANSPORTING POST DRIVER, ALWAYS USE A SAFETY CHAIN. THE SAFETY CHAIN SHOULD HAVE A MINIMUM ULTIMATE TENSILE STRENGTH ALONG THE LINE OF TRAVEL EQUAL TO OR GREATER THAN THE GROSS WEIGHT OF THE POST DRIVER.

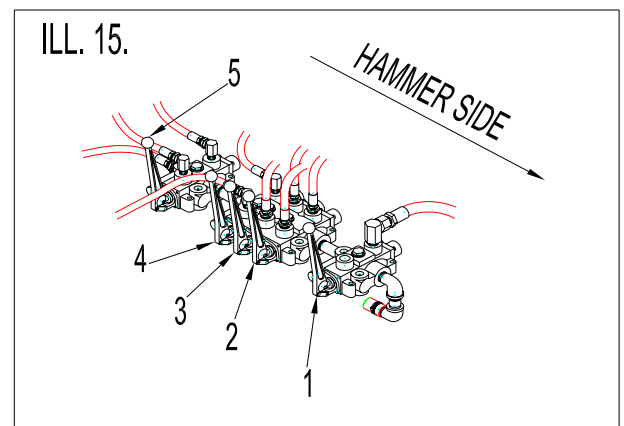


DANGER: ALWAYS ATTACH A SAFETY CHAIN TO THE TRACTOR OR VEHICLE HITCH BEFORE TRANSPORTING POST DRIVER. SERIOUS DAMAGE TO THE POST DRIVER AND SERIOUS INJURY OR DEATH COULD RESULT FROM POST DRIVER SEPARATING FROM TRACTOR OR THE VEHICLE HITCH.

3. OPERATION OF HYDRAULIC CONTROLS
- See ILL. 15

The four control levers operate post driver as follows:

- a) Lever, arrow 1, raises and lowers hammer.
- b) Lever, arrow 2, tilts hammer in and out.
- c) Lever, arrow 3, moves hammer in and out horizontally.
- d) Lever, arrow 4, tilts hammer forward and backwards.
- e) Lever, arrow 5, extends and contracts front of hitch. This moves trailer back and forth to align with post. (Optional)



CAUTION: ALWAYS STAND CLEAR WHEN POSITIONING POST DRIVER WITH HYDRAULIC EXTENDABLE HITCH. THE R.H. TIRE MAY ROLL OVER THE FEET OF OPERATOR OR PERSON(S) NEARBY CAUSING SERIOUS INJURY.



CAUTION: KNOW THE FUNCTIONS OF EACH OPERATING LEVER BEFORE PROCEEDING WITH OPERATIONS.



CAUTION: WHEN TILTING, EXTENDING, RETRACTING, RAISING OR LOWERING THE HAMMER, KEEP ALL PERSONS AWAY FROM POST DRIVER.



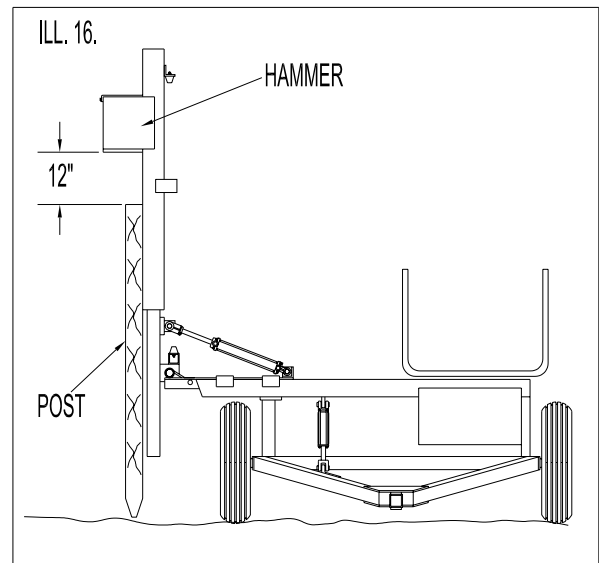
WARNING: FLUID ESCAPING FROM A VERY SMALL HOLE CAN BE ALMOST INVISIBLE. USE A PIECE OF CARDBOARD OR WOOD, RATHER THAN HANDS, TO SEARCH FOR SUSPECTED LEAKS. IF INJURED BY ESCAPED FLUID, SEE A DOCTOR AT ONCE. SERIOUS INFECTION OR REACTION CAN DEVELOP IF PROPER MEDICAL TREATMENT IS NOT ADMINISTERED IMMEDIATELY.

4. DRIVING POST - See ILL. 16.

- a) Before starting to drive posts, cycle tilt cylinders. When post driver has been idle for a period of time, the tilt cylinder may creep causing a void in cylinders. The cylinder movement is caused by a lack of oil pressure in cylinder. For piston seals to hold oil there must be enough hydraulic pressure in the cylinder to deform seal. This seal deformation pushes the seal against wall of cylinder and piston block giving a tight oil seal.

Cycling tilt cylinders will fill void in cylinders which will prevent cylinder movement when driving posts.

When cycling or operating tilt cylinder, push or pull valve levers to maximum position. DO NOT FEATHER. Feathering or holding valve levers in a partially open position will also cause a void in tilt cylinders.



DANGER: ALWAYS STAY CLEAR OF P.T.O. OR ENGINE DRIVE SHAFT WHEN THEY ARE IN OPERATION. SERIOUS INJURY OR DEATH WILL RESULT IF CLOTHING, HAIR OR LIMBS ARE CAUGHT IN THESE DRIVE SHAFTS.

- b) Manoeuvre post driver trailer into position.
- c) Turn on P.T.O. or start POST DRIVER ENGINE.
- d) See ILL. 15. Position and align hammer by operating valve levers, arrow 2, 3, and 4. These levers will locate hammer in desired working position. See Section 3 of OPERATING INSTRUCTIONS on page 18.
- e) Raise hammer approximately 12 inches above post as shown in ILL. 16.



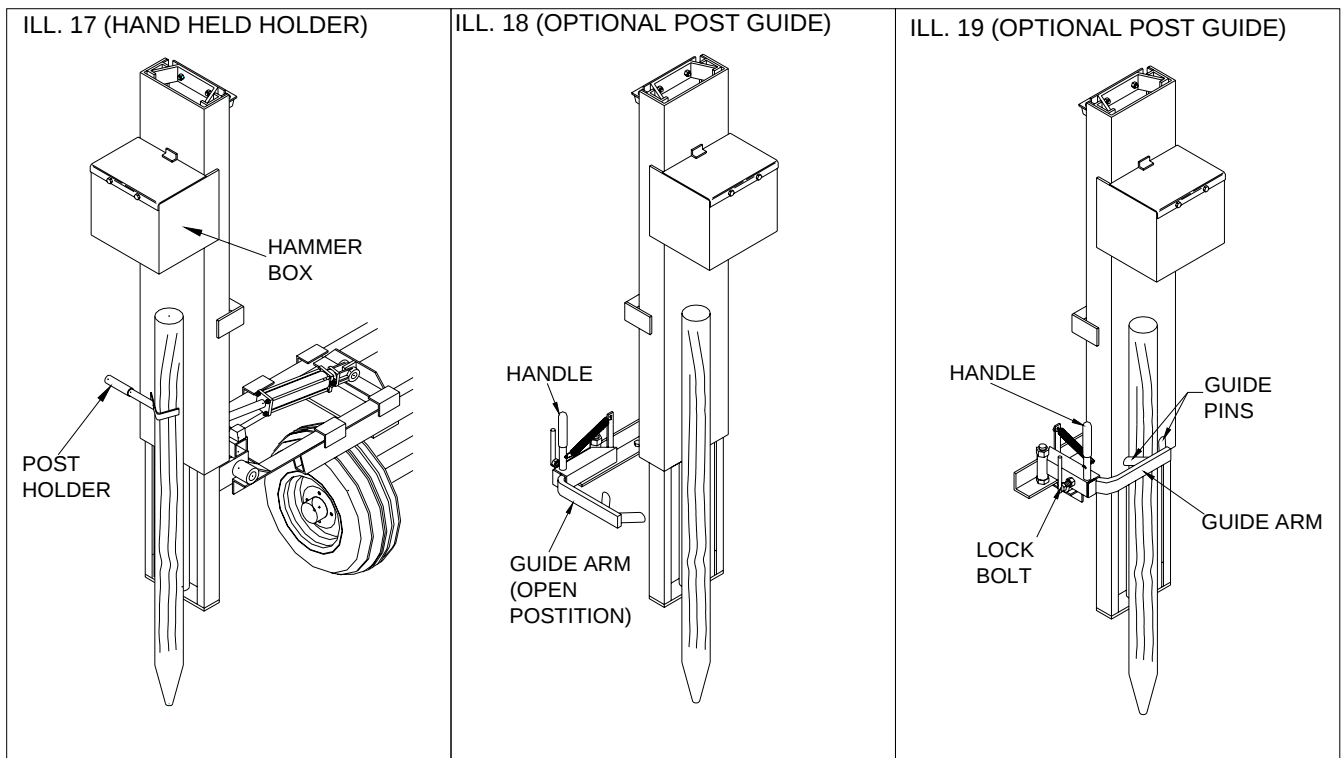
DANGER: NEVER REMOVE STABILIZER BAR FROM REAR OF POST DRIVER. STABILIZER BAR PREVENTS POST DRIVER FROM FALLING BACKWARDS WHEN POST DRIVER IS DISCONNECTED FROM TRANSPORT VEHICLE.



DANGER: DO NOT OPERATE POST DRIVER WHEN IT IS DISCONNECTED FROM TRANSPORT VEHICLE.



CAUTION: MAKE CERTAIN EVERYONE IS CLEAR BEFORE OPERATING OR MOVING THE POST DRIVER.



DANGER: NEVER ALLOW ANY OTHER PERSON OR PERSONS TO STAND NEAR HAMMER WHEN POST DRIVER IS BEING OPERATED. THIS POST DRIVER IS DESIGNED TO BE OPERATED BY ONE PERSON ONLY. SERIOUS INJURY OR DEATH WILL RESULT IF A PERSON IS STRUCK BY A FALLING OR TILTING HAMMER.

f) HOLDING POST UNDER HAMMER - USE SUBSECTION f1 or f2.

f1) HAND HELD HOLDER - See ILL. 17. Position post under hammer. Using the hand held post holder, hold post against hammer. Start to drive post, see Paragraph g, h and i below.

f2) OPTIONAL POST GUIDE - SEE ILL. 18 and 19.

Step 1 - Place guide arm in open position and place post under hammer. ILL. 18 shows guide arm in open position.

Step 2 - See ILL. 19. Close post guide over post so guide pins hold post.

Step 3 - See ILL. 19. If necessary, loosen lock bolt and adjust guide arm "IN" or "OUT" so guide pins hold post securely. Tighten lock bolt.

Step 4 - Start to drive post. See Paragraphs g, h and i below.



CAUTION: ALWAYS USE HAND HELD POST HOLDER OR OPTIONAL POST GUIDE TO POSITION POSTS UNDER HAMMER WHEN DRIVING POSTS. USING ONE OF THESE DEVICES MAY PREVENT INJURY TO HAND OR ARM.

g) Push hammer valve lever, arrow 1 (ILL. 15), "IN" to drop hammer on post. Use 12" strokes to start post and increase stroke as required.

h) **IMPORTANT:** DO NOT USE TOO MUCH FORCE WHEN OPERATING HAMMER VALVE LEVER. HANDLE MOUNT RACKETS WILL BE DAMAGED IF LEVER IS PUSHED TOO HARD TO DROP HAMMER.

i) **IMPORTANT:** IT IS **NOT** RECOMMENDED TO ADD BALLAST TO HAMMER BOX. THE ADDITIONAL WEIGHT MAY CAUSE POST DRIVER AND TRACTOR TO BECOME UNSTABLE.



DANGER: NEVER ALLOW ANOTHER PERSON TO HOLD THE POST UNDER HAMMER WHEN POST DRIVER IS BEING OPERATED. SERIOUS INJURY OR DEATH WILL RESULT IF A PERSON IS STRUCK BY A FALLING OR TILTING HAMMER.





CAUTION: IF MAST EXTENSION KIT IS INSTALLED OR HAMMER IS WEIGHTED, OPERATOR MUST USE OWN DISCRETION WHEN ADDING SUFFICIENT BALLAST TO TRAILER WEIGHT BOX TO ENSURE SAFE AND STABLE OPERATION OF POST DRIVER.



DANGER: CONTACT LOCAL UTILITY COMPANIES FOR UNDERGROUND SERVICES BEFORE INSTALLING POSTS.



DANGER: WHEN DRIVING POSTS, ALWAYS WATCH FOR OVER HEAD POWER LINES. IF POST DRIVER MAKES CONTACT WITH POWER LINES, OPERATOR OR THOSE NEARBY COULD BE SERIOUSLY INJURED.



DANGER: ALWAYS MAKE SURE THE HITCH OF THE POST DRIVER HAS A DOWNWARD WEIGHT.



DANGER: NEVER PLACE YOUR HAND ON TOP OF POST.



WARNING: USE SAFETY GLASSES AND HAND WEAR TO PROTECT AGAINST SPLINTERS.



CAUTION: NEVER USE THE VALVE TO STOP THE HAMMER UNLESS IN EXTREME EMERGENCY. THE RESULTING EXTREME HYDRAULIC PRESSURE COULD DAMAGE HYDRAULIC SYSTEM.



CAUTION: KEEP ALL UNTRAINED PERSONNEL AWAY FROM THE POST DRIVER AT ALL TIMES. ONLY PERSONNEL KNOWLEDGEABLE IN THE OPERATION SHOULD BE ALLOWED NEAR OR IN CONTROL OF THE POST DRIVER.

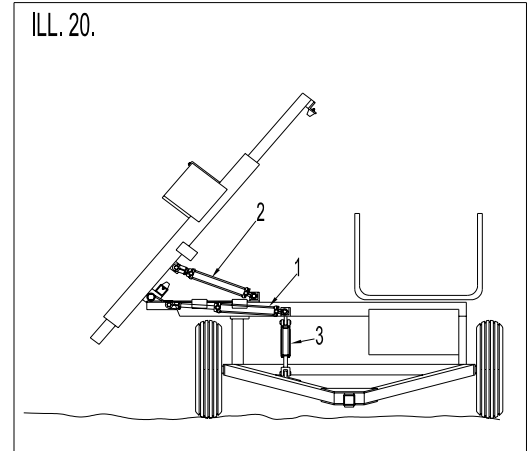


DANGER: ALWAYS LOWER HAMMER AND SHUT OFF POWER WHEN POST DRIVER IS LEFT UNATTENDED OR IS NOT IN OPERATION. SERIOUS INJURY OR DEATH MAY RESULT IF HAMMER FELL UNEXPECTEDLY AND STRUCK PERSON(S) NEARBY.

OPERATING INSTRUCTIONS:

5. To transport post driver, proceed as follows:
- See ILL. 20

- a) Lower hammer cylinder to bottom.
- b) Move hammer "IN" by contracting horizontal slide cylinder, arrow 1.
- c) Tilt hammer in over trailer by contracting hammer tilt cylinder, arrow 2.
- d) Tilt trailer all the way forward by contracting hitch cylinder, arrow 3.
- e) Contract hitch extension cylinder, arrow 4. (Optional)
- f) Now disengage P.T.O. or POST DRIVER ENGINE.
- f) Ensure that safety chain is installed between tractor vehicle and post driver hitch. See ILL. 14 on page 17.



! CAUTION: ALWAYS ATTACH A SAFETY CHAIN TO THE TRACTOR OR VEHICLE HITCH BEFORE TRANSPORTING POST DRIVER. SERIOUS DAMAGE TO THE POST DRIVER AND SERIOUS INJURY OR DEATH COULD RESULT FROM POST DRIVER SEPARATING FROM TRACTOR OR THE VEHICLE HITCH.

! CAUTION: NEVER ALLOW ANYONE NEAR THE POST DRIVER WHEN YOU ARE PERFORMING OPERATING FUNCTIONS.

! CAUTION: WHEN TRANSPORTING THE POST DRIVER ON A PUBLIC ROAD OR HIGHWAY BY NIGHT OR DURING THE DAY, USE ACCESSORY LIGHTS AND DEVICES TO GIVE ADEQUATE WARNING TO THE OPERATORS OF OTHER VEHICLES. CHECK LOCAL REGULATIONS.

! CAUTION: BE SURE SMV (SLOW MOVING VEHICLE) EMBLEM IS CLEAN AND VISIBLE BEFORE TRANSPORTING POST DRIVER. THE SMV EMBLEM WARNS OTHER VEHICLES APPROACHING FROM REAR.

! CAUTION: NEVER EXCEED 40 KM/H (25 MPH) WHEN TRANSPORTING POST DRIVER.

! CAUTION: REDUCE SPEED WHEN TRANSPORTING POST DRIVER OVER UNEVEN OR ROUGH TERRAIN.

! CAUTION: SHIFT TRACTOR INTO A LOWER GEAR WHEN TRANSPORTING POST DRIVER DOWN HILLS OR STEEP SLOPES.

! CAUTION: COMPLY WITH ALL STATE, FEDERAL, AND LOCAL LAWS WHEN TRANSPORTING POST DRIVER ON ROADWAYS.

! WARNING: RETRACT ALL CYLINDERS BEFORE TRANSPORTING POST DRIVER.

! DANGER: ALWAYS TEST THE HITCH WEIGHT BEFORE RELEASING THE POST DRIVER FROM THE TRANSPORT VEHICLE OR HOLD DOWN.

! DANGER: DO NOT MOVE THE POST DRIVER BY HAND. MAKE CERTAIN THE POST DRIVER TRAILER IS PROPERLY SECURED TO A TRANSPORT VEHICLE.

6) MAST EXTENSION KIT (INSTALLATION) - Instructions to convert from **low** hammer to **high** hammer. (OPTIONAL)

IMPORTANT: TO PREVENT POST DRIVER FROM FALLING WHILE CONVERTING HAMMER, HITCH POST DRIVER TO TRACTOR OR OTHER TRANSPORT VEHICLE.

- a) See ILL. 21. With post driver hitched to transport vehicle, position hammer so it is in a vertical position, then raise hammer so rubber bumpers are above bracket, arrow 5. Next, place a safety block between bottom of hammer and bottom of mast.



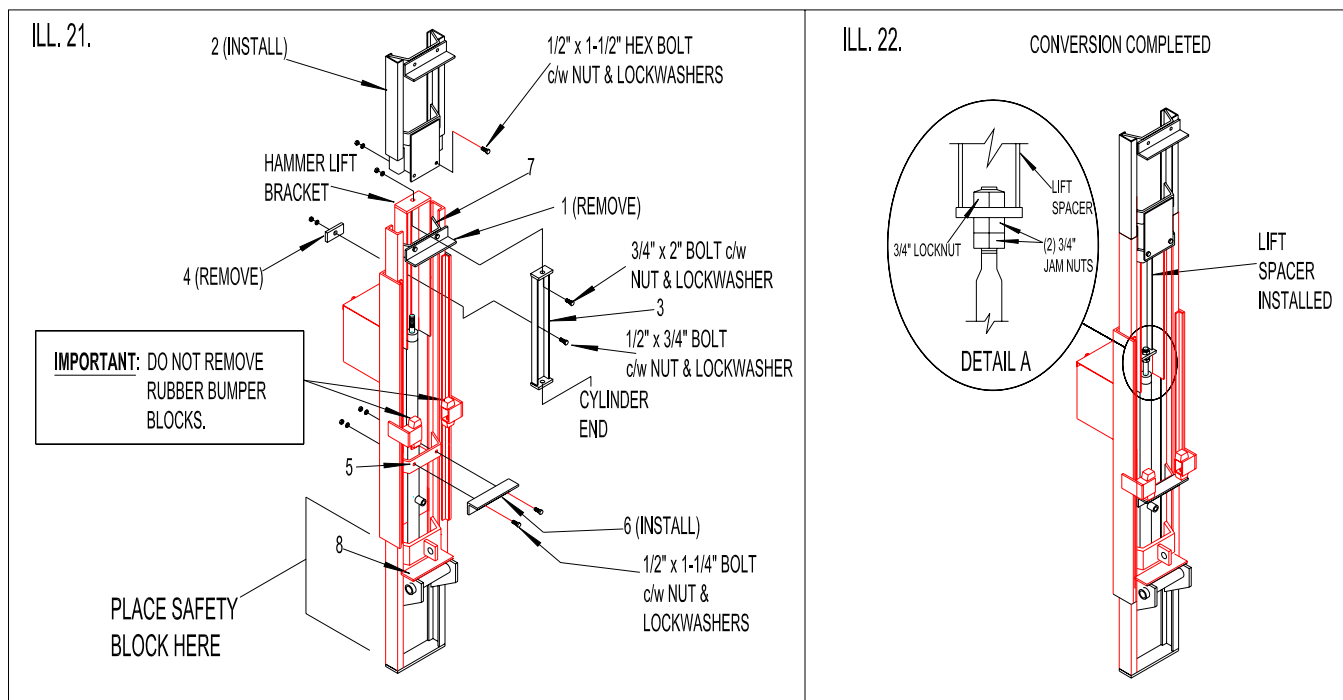
CAUTION: PLACE A BLOCK BETWEEN BOTTOM OF HAMMER AND BOTTOM OF MAST. IF HYDRAULIC SYSTEM FAILED OR IF HYDRAULIC LEVER WAS ACCIDENTLY OPERATED, HAMMER COULD FALL CAUSING SERIOUS INJURY OR DEATH.

- b) Remove top angle iron bumper stop, arrow 1, from bracket, arrow 6, at top of mast. Next install same bumper stop, lower bracket, arrow 5, at mid point of mast. Position bumper as shown. Fasten with (2) 1/2" x 1-1/2" hex bolts c/w nuts and locks.
- c) Remove safety block and lower hammer so rubber bumpers rest on bumper stop, arrow 6.
- d) See ILL. 21. Insert mast extension, arrow 2, into top of mast. Secure to bracket, arrow 7, with (2) 1/2" x 1-1/2" hex bolts c/w nuts and lockwashers.
- e) Remove nut from top of hammer cylinder and allow shaft to retract into cylinder.
- f) See ILL. 21. Install lift spacer, arrow 3, inside the hammer lift bracket as shown. Fasten top of lift spacer with (1) 3/4" x 2" hex bolt c/w nut and lockwasher. Fasten center of lift spacer to front of hammer lift bracket with one (1) backing plate, arrow 4, and one (1) 1/2" x 3/4" bolt c/w nut and lockwasher. Locate backing plate, arrow 4, over front of hammer lift bracket.
- g) See ILL. 21. Next install hammer cylinder shaft in hole in bottom of lift spacer, arrow 3. Secure shaft with three (3) 3/4" nuts, one 3/4" locknut on top of lift spacer and two (2) 3/4" jam nuts at bottom of lift spacer. Turn locknut until 1/4" of thread extends beyond nut. Next tighten top jam nut against bottom of lift spacer. Then lock top jam nut by tightening bottom jam nut against it, See ILL. 22, Detail "A".

IMPORTANT: BE SURE ALL BOLTS AND CYLINDER SHAFT NUTS ARE TIGHT BEFORE USING POST DRIVER.



CAUTION: IF MAST EXTENSION KIT IS INSTALLED OR HAMMER IS WEIGHTED, OPERATOR MUST USE OWN DISCRETION WHEN ADDING SUFFICIENT BALLAST TO TRAILER WEIGHT BOX TO ENSURE SAFE AND STABLE OPERATION OF POST DRIVER.



MAST EXTENSION KIT (REMOVAL) - Instructions to convert from **high** hammer to **low** hammer position. (OPTIONAL)

IMPORTANT: TO PREVENT POST DRIVER FROM FALLING WHILE CONVERTING HAMMER, HITCH POST DRIVER TO TRACTOR OR OTHER TRANSPORT VEHICLE.

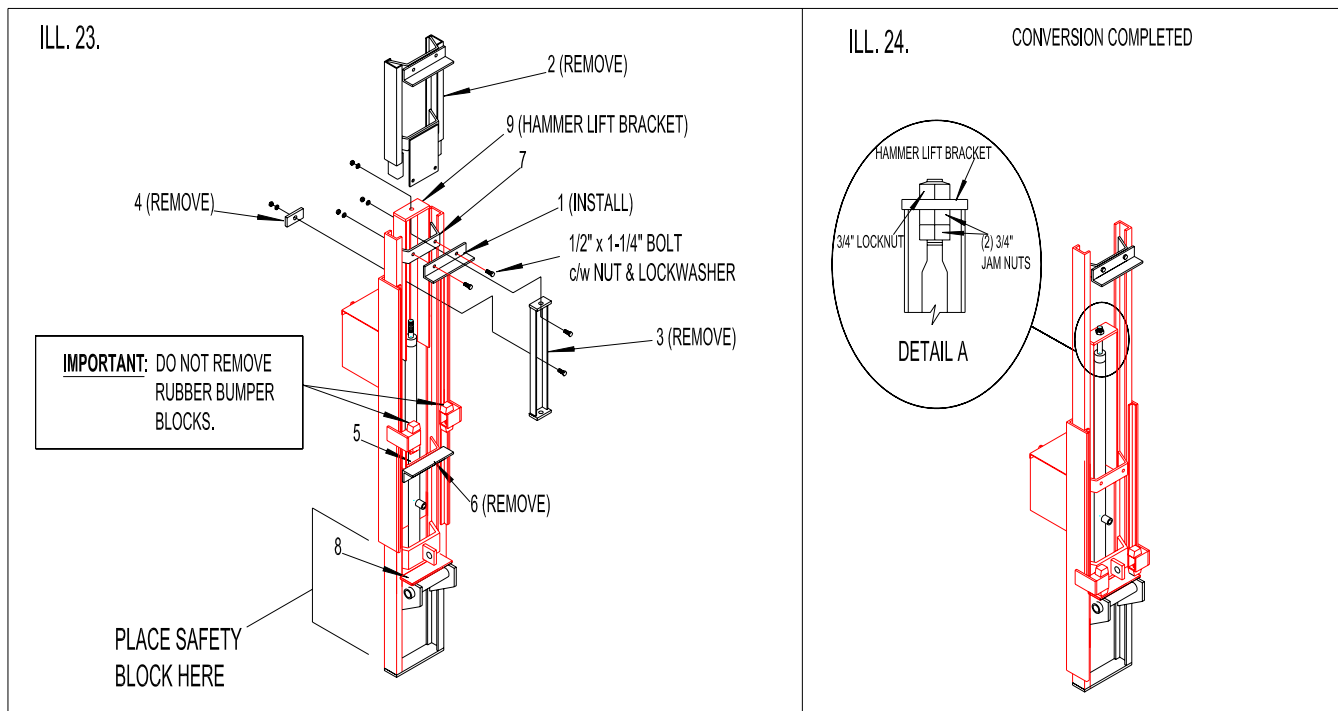
- 1) See ILL. 23. With post driver hitched to transport vehicle, position hammer so it is in a vertical position and lower hammer on to bumper stop, arrow 6.
- 2) Remove mast extension, arrow 2, from top of mast.
- 3) See ILL. 23. Remove nut from top of hammer cylinder and allow shaft to retract into cylinder.
- 4) See ILL. 23. Remove lift spacer, arrow 3, front top of hammer.
- 5) See ILL. 23. Next, pull shaft out of cylinder and insert it through hole in hammer lift bracket, arrow 9. Shaft is secured with three (3) 3/4" nuts, one 3/4" locknut on top of bracket and two (2) 3/4" jam nuts at bottom of bracket. Turn locknut until 1/4" of thread extends beyond nut. Next, tighten top jam nut against bottom of lift bracket. Then lock top jam nut by tightening bottom jam nut against it. See ILL. 24, Detail "A".
- 6) See ILL. 23. Use hydraulic system, raise hammer so rubber bumpers are above top bracket, arrow 6. Then place a safety block between bottom of hammer and bottom of mast.



CAUTION: PLACE A BLOCK BETWEEN BOTTOM OF HAMMER AND BOTTOM OF MAST. IF HYDRAULIC SYSTEM FAILED OR IF HYDRAULIC LEVER WAS ACCIDENTLY OPERATED, HAMMER COULD FALL CAUSING SERIOUS INJURY OR DEATH.

- 7) See ILL. 23. Remove lower bumper stop, arrow 6, from bracket, arrow 5. Next remove safety block and lower hammer so rubber stops rests on bottom stop, arrow 8.
- 8) See ILL. 23. Fasten hammer stop, arrow 1, to bracket, arrow 7, with two (2) 1/2" x 1-1/2" bolts c/w nuts and lockwashers. (This is the same bracket (arrow 6) that was removed earlier).

IMPORTANT: BE SURE ALL BOLTS AND CYLINDER SHAFT NUTS ARE TIGHT BEFORE USING POST DRIVER.



MAINTENANCE

1. Lubricate post driver as follows:

- See ILL. 25.

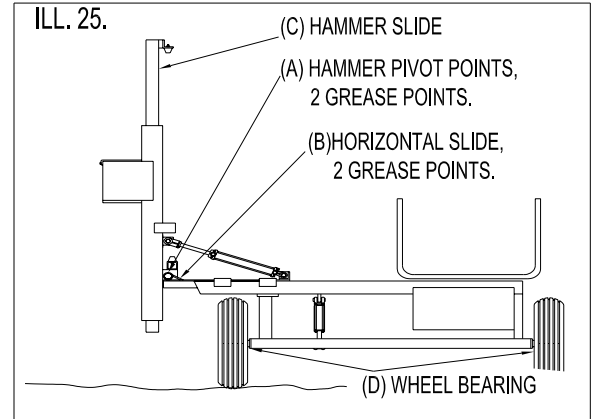
- a) Grease hammer pivots every 50 hours of operation.
- b) Grease horizontal slide every 50 hours of operation.
- c) Raise hammer and grease both sides of hammer slide every 10 hours of operation.
- d) Replace wheel bearings and hub seals every 150 hours of operation or 1 year of service, whichever comes first. Pack bearing with high quality grease.



CAUTION: DO NOT LUBRICATE OR ADJUST POST DRIVER WHEN IT IS BEING OPERATED OR WHILE IT IS IN MOTION.



CAUTION: ALWAYS RETRACT ALL CYLINDERS, SHUT OFF TRACTOR ENGINE AND DISENGAGE P.T.O. OR SHUT OFF POST DRIVER ENGINE BEFORE LUBRICATING POST DRIVER.



2. HYDRAULIC SYSTEMS

- a) Periodically check level of hydraulic oil in reservoir. Oil should be within 1" of the top of reservoir.
- b) Change oil filter every 200 hours of operation.

3. WHEEL and TIRES

- a) Check wheel bolts for tightness during first week of operation and periodically thereafter.
- b) Tighten wheel bearings as follows:
 - b1) Remove dust cap.
 - b2) Remove cotter pin from slotted nut.
 - b3) Tighten slotted nut until there is a slight drag on bearings after adjustment is complete.
- c) Keep tire pressure at 28 PSI. Low or over inflated tires can cause serious damage to tires.

4. Check for any loose bolts and tighten if required.
5. Be sure all pins have cotter pins or hair pin cotters installed.
6. Replace any safety decals that are damaged or are illegible.



CAUTION: ALWAYS SUPPORT POST DRIVER TRAILER AND HAMMER ON STANDS OR BLOCKS AND HAVE SUFFICIENT WEIGHT ON THE HITCH, OR HAVE THE HITCH ATTACHED TO A TRANSPORT VEHICLE BEFORE PERFORMING ASSEMBLY OR REPAIR WORK UNDER OR AROUND POST DRIVER.



DANGER: NEVER WORK ON THE HAMMER WHEN IT IS IN THE RAISED OR PARTIALLY RAISED POSITION. IF HAMMER FELL, OPERATOR OR PERSON(S) NEARBY COULD BE SERIOUSLY INJURED OR KILLED.



WARNING: ESCAPING HYDRAULIC FLUID UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO PENETRATE THE SKIN, CAUSING SERIOUS PERSONAL INJURY. BEFORE DISCONNECTING LINES, BE SURE TO RELIEVE ALL PRESSURE. BEFORE APPLYING PRESSURE TO THE SYSTEM, BE SURE ALL CONNECTIONS ARE TIGHT AND THAT LINES, PIPES, AND HOSES ARE NOT WORN OR DAMAGED.



WARNING: FLUID ESCAPING FROM A VERY SMALL HOLE CAN BE ALMOST INVISIBLE. USE A PIECE OF CARDBOARD OR WOOD, RATHER THAN HANDS, TO SEARCH FOR SUSPECTED LEAKS. IF INJURED BY ESCAPING FLUID, SEE A DOCTOR AT ONCE. SERIOUS INFECTION OR REACTION CAN DEVELOP IF PROPER MEDICAL TREATMENT IS NOT ADMINISTERED IMMEDIATELY.



CAUTION: IF SPRAY-CAN IS USED, BE CAREFUL WHEN DISCARDING EMPTY CANS. DO NOT INCINERATE OR PUNCTURE CAN.



CAUTION: DO NOT PERMIT SMOKING, SPARKS, OR OPEN FLAME WHERE COMBUSTIBLE LUBRICANTS OR LIQUIDS ARE BEING USED.



CAUTION: REPLACE ANY WORN OR DAMAGED HYDRAULIC HOSES AND KEEP ALL HYDRAULIC HOSES AND HYDRAULIC FITTINGS TIGHT.



CAUTION: SHUT OFF ALL POWER BEFORE ADJUSTING, SERVICING OR CLEANING THE POST DRIVER.

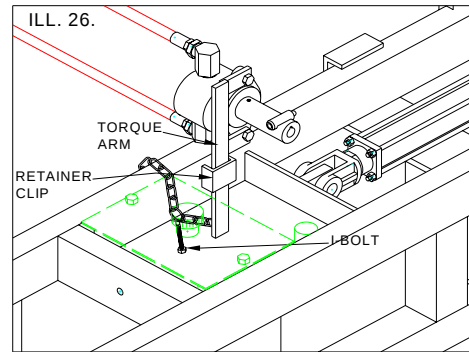


IMPORTANT: REPLACE ANY SAFETY DECALS THAT ARE DAMAGED OR ARE ILLEGIBLE.

STORAGE

1. Fully contract all cylinders. Be sure hammer is lowered to bottom position.
2. Clean and lubricate all grease points and hammer slide when storing post driver for extended period of time.
3. Inspect the post driver for any missing, worn, or damaged parts. Replace parts as required.
4. Check for any loose bolts and tighten if required.
5. Be sure all pins have cotter pins or hair pin cotters installed.
6. Disconnect the post driver from the transport vehicle.

7. For PTO Drive Machines Only -
After removing pump from tractor's PTO, the pump assembly can be stored on the trailer frame by inserting torque arm into a retainer clip welded to frame as shown in ILL. 26. Secure pump in place by wrapping the torque arm chain around frame and inserting I-Bolt through a link. Install nut and washer on I-Bolt.



CAUTION: LIFT THE HITCH SLOWLY AND KEEP IT NO HIGHER THAN THE TOW BAR WHEN ATTACHING OR RELEASING IT FROM THE TRANSPORT VEHICLE.



CAUTION: DO NOT STORE POST DRIVER WITH HAMMER IN RAISED POSITION. IF HAMMER FELL PERSON(S) NEARBY COULD BE SERIOUSLY INJURED.



DANGER: ALWAYS MAKE SURE THE HITCH OF THE POST DRIVER HAS A DOWNWARD WEIGHT.

BEGINNING OF SEASON SERVICE

1. Clean off any dirt or grease that may have accumulated on moving parts. This will prevent abrasive action that could cause excessive wear.
2. Thoroughly inspect the post driver for any loose or missing parts and adjust as necessary. Replace any worn or damaged parts.
3. Replace any safety decals that are damage or are illegible.

END OF SEASON SERVICE

1. Coat all sliding parts with a layer of grease to prevent rust. The chief enemies of your post driver, rust and corrosion, are busy the year-around. A little time and effort spent protecting the post driver from destructive moisture will repay you in longer service, easier operation, and higher resale value. This should also be done if the machine is going to sit for long periods of time. Clean the post driver thoroughly to remove dirt and trash which hold moisture and cause rusting.
2. Replace worn or damaged parts.
3. Replace any safety decals that are damaged or are illegible.



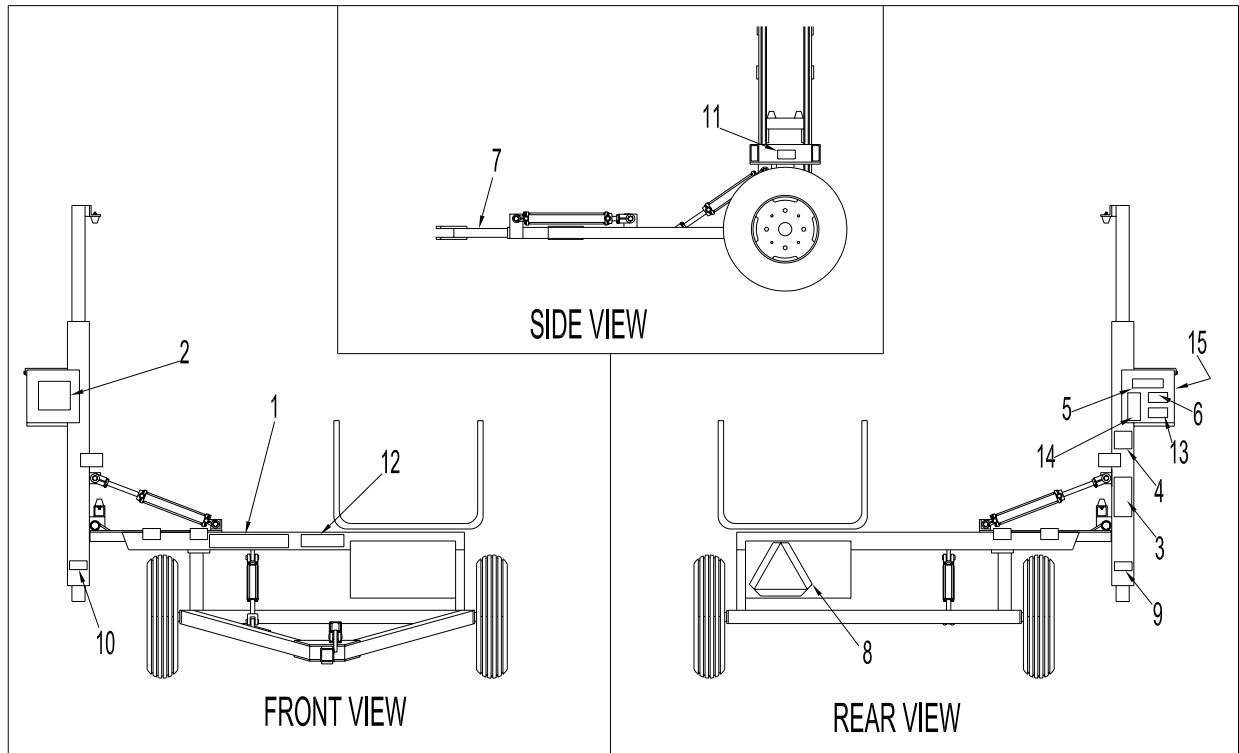
CAUTION: WHEN SERVICING THE POST DRIVER, MAKE SURE THE HITCH IS SECURELY ATTACHED TO TRANSPORT VEHICLE, OR HITCH HOLD DOWN.

MODEL 2400 POST DRIVER

PARTS LIST

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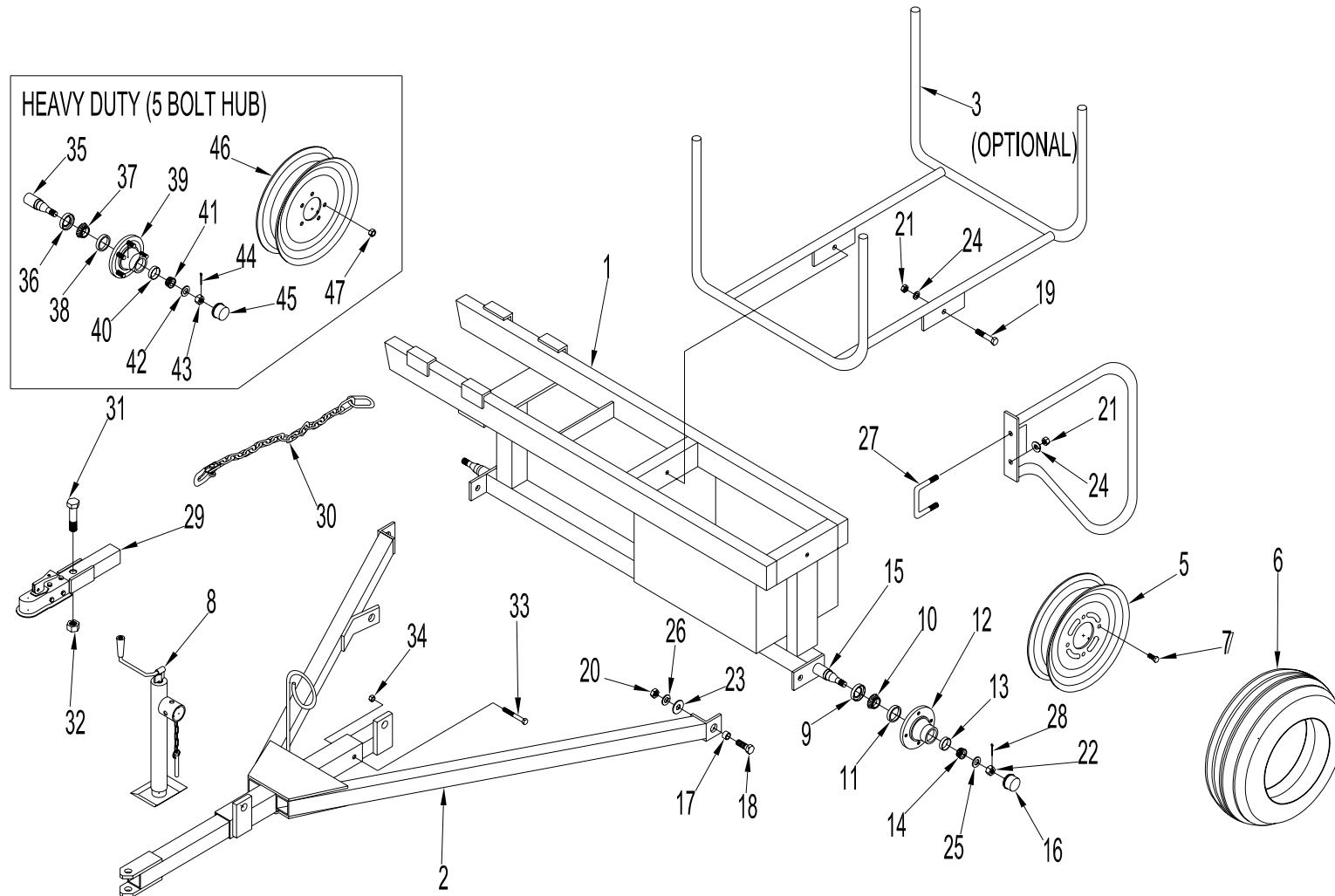


MODEL 2400 POST DRIVER DECALS and PAINT

REF. NO.	PART NO.	DESCRIPTION	QTY REQ'D
1	S81504	Ezee-on Decal 3" x 18"	1
2	80501	Danger Decal (6" x 8")	1
3	80503	Warning & Caution Decal (4" x 9")	1
4	80504	Important Decal (4" x 4")	1
5	80500	Danger Decal (3-1/2" x 7")	1
6	80502	Caution Decal (2-3/4" x 4-1/2")	1
7	80505	Danger Decal (1-7/8" x 5-1/8")	1
8	A70007	SMV Decal	1
9	DF10050	Red Reflector Decal (4" x 2")	1
10	DF10057	Yellow Reflector Decal (4" x 2")	1
11		Serial No. Tag	1
12	P80509	Model A2400" Decal	1
13	A75764	Warning Decal (4-1/2" x 2-5/16")	1
14	P80532	Danger Decal (4-1/4" x 8")	1
15	DF13002	Ezee-On Decal (2-1/2" x 15-1/2")	1
	DF7161	1/2 Pint New Ezee-On Yellow Paint	*
	L016	1/2 Pint New Ezee-On Black Paint	*

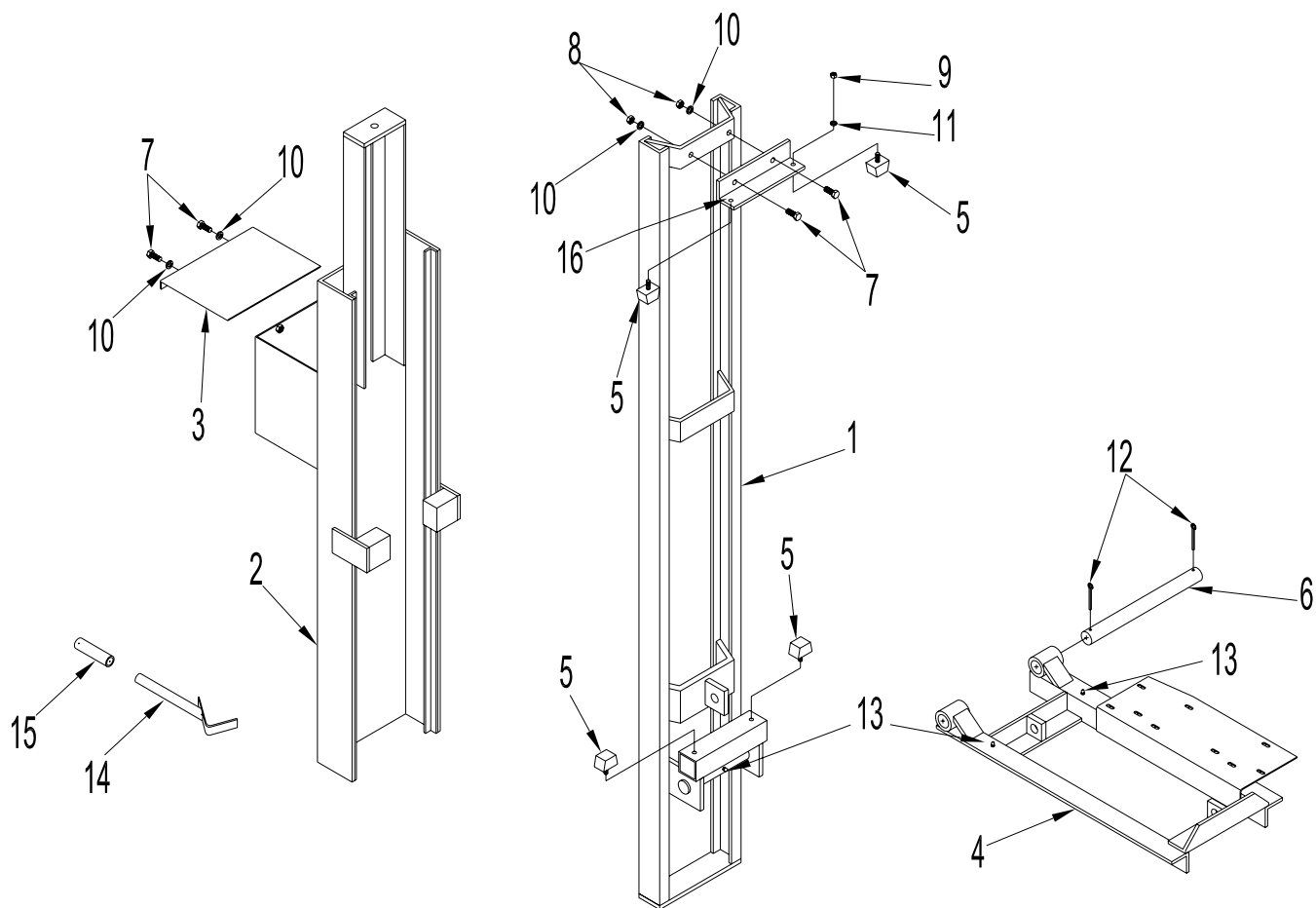
* As required

FRAME and HITCH ASSEMBLY



MODEL 2400 POST DRIVER FRAME and HITCH ASSEMBLY

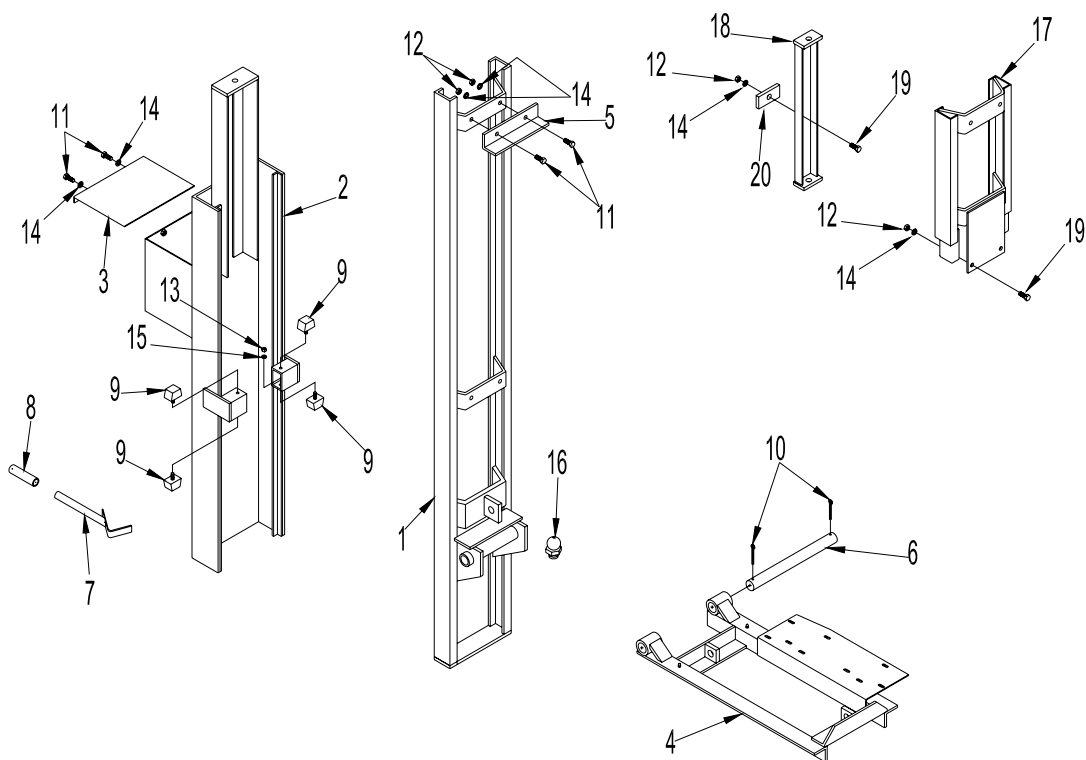
REF NO.	PART NO.	DESCRIPTION	QTY REQ'D
1	P80570	Main Frame Assembly	1
2	P80571	Hitch Assembly	1
3	P80572	Post Rack Assembly (Option) (Fits Model 2400 Only)	1
4	P80674	Rear Stabilizer Bar	1
5	P80547	4 Bolt Rim (15")	2
6		Tire - 6.70 x 15 4 PR	2
7	P80546	1/2" x 1" N.F. Wheel Stud	8
8	P80594	Hitch Jack (Option)	1
9	P80545	Hub Seal (411)	2
10	DR89	Inner Bearing 67048	2
11	DR90	Inner Cup 67010	2
12	P80548	411 Hub (Complete With Cups)	2
13	P80543	Outer Cup 11910	2
14	P80544	Outer Bearing 11949	2
15	P80540	411 Spindle c/w 3/4" Slotted Nut (Weld-on)	2
16	P80549	Hub Cap	2
17	P80596	1" O.D. x 25/32" I.D. x 5/8" Long Bushing	2
18	B075025	3/4" x 2-1/2" N.C. Hex. Bolt	2
19	B062035	5/8" x 3-1/2" N.C. Hex. Bolt	2
20	BN075L	3/4" N.C. Hex. Nylon Lock Nut (Prior to June/03 3/4" Std. Nut was used with 3/4" lockwasher)	2
21	BN062	5/8" N.C. Hex. Nut	2
22	DR82	3/4" N.F. Slotted Hex. Nut	2
23	---	2" O.D. x 13/16" I.D. Flat Washer	2
24	BW062L	5/8" Lockwasher	2
25	---	1-1/2" O.D. x 13/16" I.D. Flat Washer	2
26	BW075L	3/4" Lockwasher (Used with Std. Hex nut prior to June/03)	2
27	C50541	5/8" x 4" x 3-7/16" U-bolt (Plated)	1
28	BP01075	5/32" x 3/4" Cotter Pin	2
29	P80574	2" Ball Style Hitch Tongue (Option) – Note: If you are replacing older 1-7/8" hitch tonque, the 1-7/8" ball must be replaced with 2" ball. Ball not supplied by Ezee-On.	
30	P80508	Safety Chain - 10100 lbs (Option)	1
31	B100040	1" x 4" N.C. Hex Bolt (Used With Optional Ball Style Hitch)	
32	BN100	1" N.C. Hex Nut (Used With Optional Ball Style Hitch)	1
33	B050040	1/2" x 4" N.C. Hex Bolt (Used With Optional Horizontal Hitch Cylinder Kit)	1
34	BN050L	1/2" N.C. Nylon Hex Lock Nut (Used With Optional Horizontal Hitch Cylinder Kit)	1
35	DR77	517 Spindle - For 5 Bolt Hub	2
36	DR85	Grease Seal	2
37	DR91	Inner Bearing LM48548	2
38	DR92	Inner Cup LM48510	2
39	DRA3	Hub c/w Cups And Wheel Studs (DR87)	2
40	DR90	Outer Cup LM67010	2
41	DR89	Outer Bearing LM67048	2
42	---	1-3/4" OD. x 15/16 I.D. x 1/8" Flatwasher (Plated)	2
43	DR83	7/8" N.F. Hex Slotted Nut	2
44	BP18100	3/16" x 1" Cotter Pin	2
45	DR88	Hub Cap	2
46	DR93	15" x 5" - 5 Hole Rim	2
47	DR86	1/2" N.F. Tapered Wheel Nut	10



MODEL 2400 POST DRIVER - for S/N prior to 46120

HAMMER ASSEMBLY - NON-EXTENDABLE TYPE

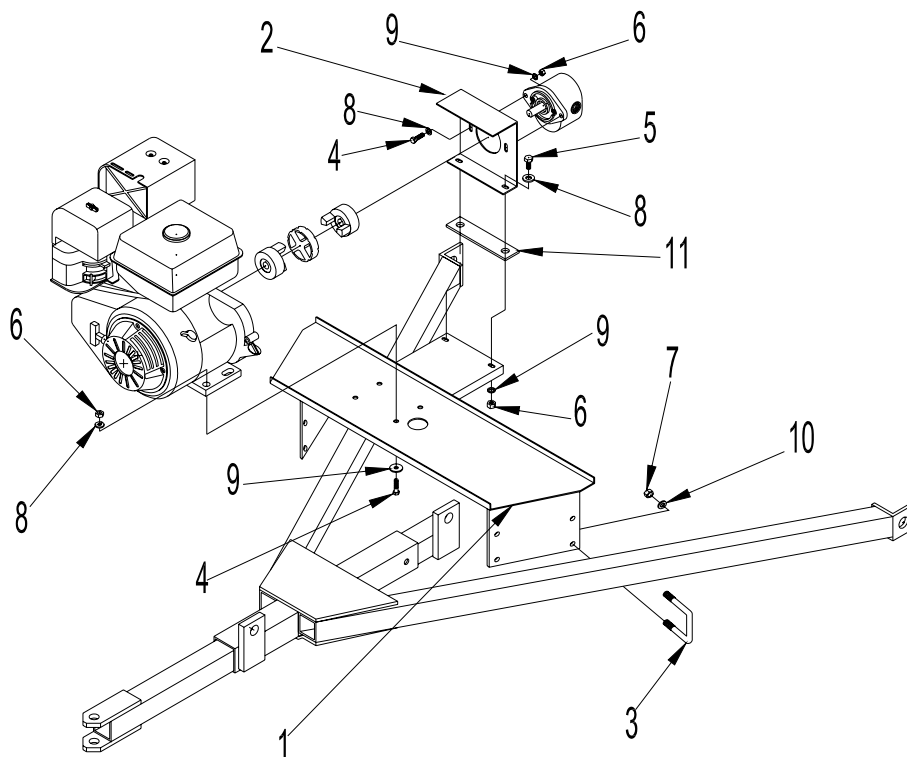
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	P80616	Mast Assembly	1
2	P80640	Hammer Assembly	1
3	P80650	Hammer Lid	1
4	P80575	Horizontal Slide - Rear Mount Valve	1
5	P80628	Rubber Stop Block	4
6	P80661	Pivot Pin (Mast)	1
7	B050012	1/2" x 1-1/4" Hex. Bolt	4
8	BN050	1/2" Hex. Nut	2
9	BN037	3/8" Hex. Nut	2
10	BW050L	1/2" Lockwasher	8
11	BW037L	3/8" Lockwasher	4
12	BP31200	5/16" x 2" Cotter Pin	2
13	10GN1	1/4" - 28" Straight Grease Fitting (Zirk)	3
14	P80601	Post Holder	1
15	P80602	Rubber Grip - Post Holder	1
16	P80523	Hammer Stop Bracket - Top	1



MODEL 2400 POST DRIVER - for S/N 46120 and later

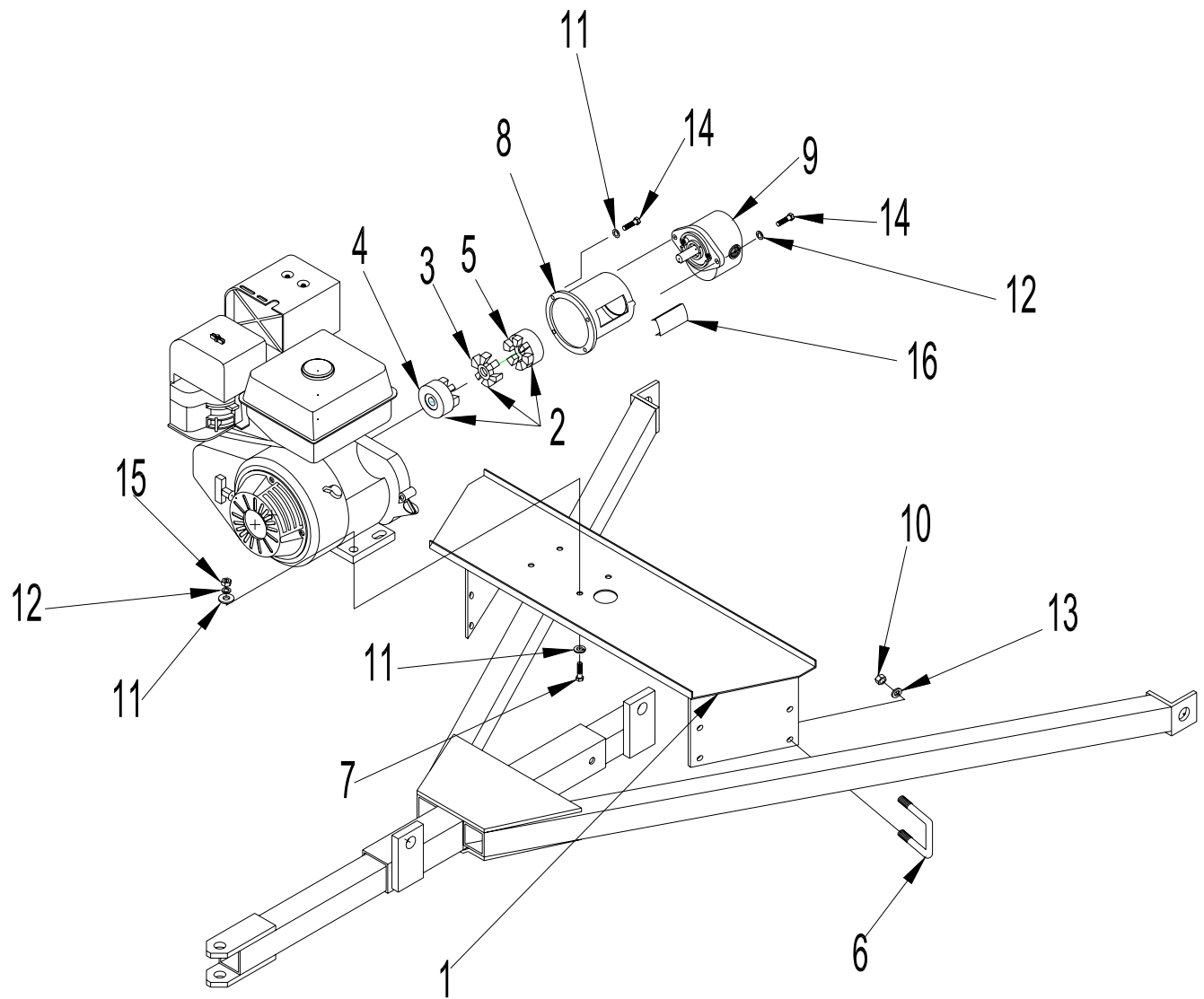
HAMMER ASSEMBLY - EXTENDABLE TYPE

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	P80761	Mast Assembly	1
2	P80762	Hammer Assembly	1
3	P80650	Hammer Lid	1
4	P80575	Horizontal Slide - Rear Mount Valve	1
5	P80757	Bumper Stop	
6	P80661	Pivot Pin (Mast)	1
7	P80601	Post Holder	1
8	P80602	Rubber Grip - Post Holder	1
9	P80628	Rubber Stop Block	4
10	BP37200	3/8" x 2" Cotter Pin	2
11	B050012	1/2" x 1-1/4" N.C. Hex Bolt	4
12	BN050	1/2" N.C. Hex Nut	5
13	BN037	3/8" N.C. Hex Nut	4
14	BW050L	1/2" Lockwasher	5
15	BW037L	3/8" Lockwasher	4
16	10GN1	1/4 - 28 Grease Zirk	3
17	P80763	Mast Extension - Hi-Lift Hammer (Optional)	1
18	P80764	Spacer Block - Hi-Lift Hammer (Optional)	1
19	B050015	1/2" x 1-1/2" N.C. Hex Bolt	3
20	P80766	Backing Plate - Lift Spacer (Optional)	1



**MODEL 2400 POST DRIVER
MOUNT AND DRIVE SYSTEM – 6:1 ENGINE DRIVEN PUMP
(used prior to June 2006)**

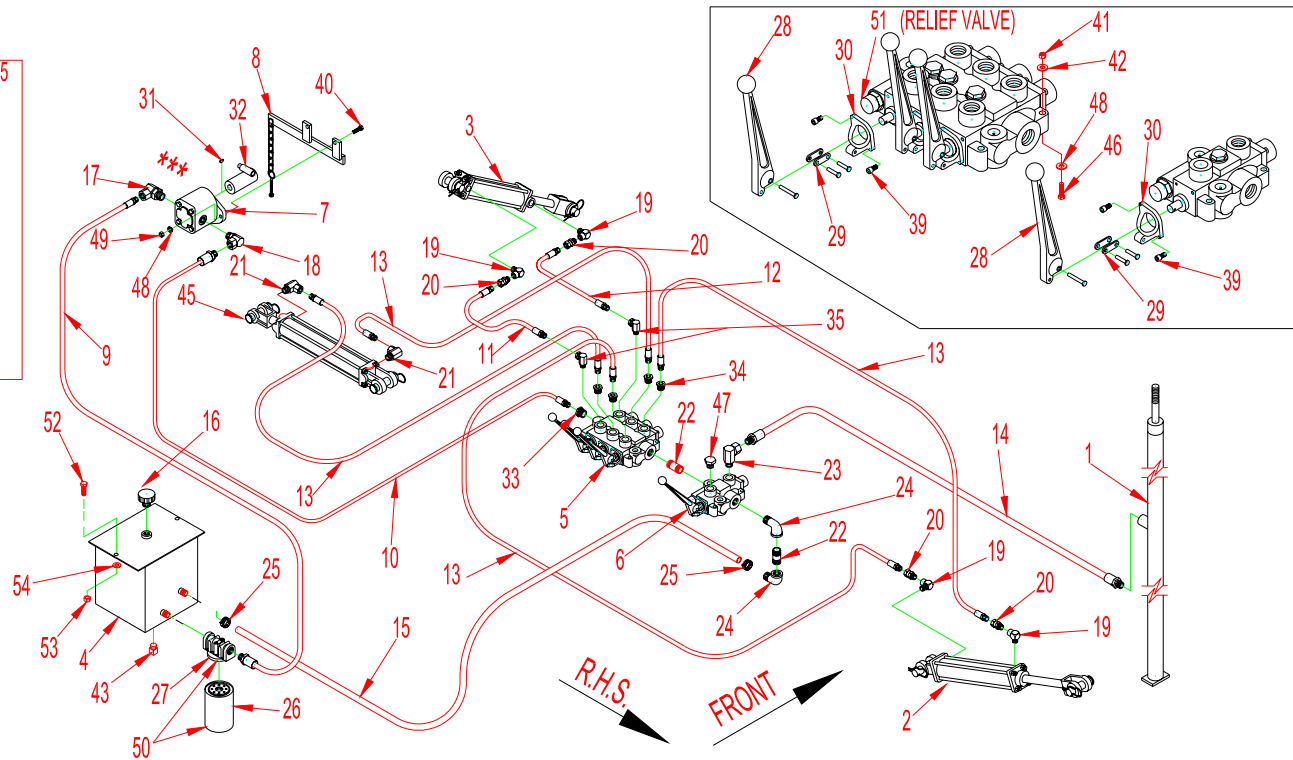
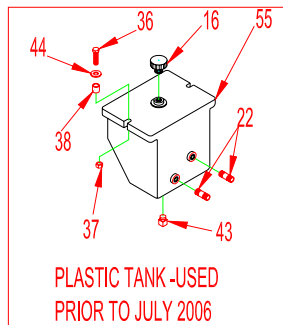
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	P80576	Motor Mount Plate – Honda 6:1 Engine	1
2	P80592	Pump Mount Bracket	1
3		1/2" x 2-1/2" x 3-9/16" U-bolt	4
4	B037015	3/8" x 1-1/2" Hex. Bolt	6
5	B037310	3/8" x 1" Hex. Bolt	2
6	BN037	3/8" Hex. Nut	8
7	BN050	1/2" Hex. Nut	8
8	---	7/16" I.D. Flatwasher	8
9	BW037L	3/8" Lockwasher	8
10	BW050L	1/2" Lockwasher	8
11	P80577	1/4" Shim - Pump Mount	As Req'd
12	---	Ref. to Page 41 or 43	---



**MODEL 2400 POST DRIVER
MOUNT AND DRIVE SYSTEM – 1:1 ENGINE DRIVE PUMP
(used after June 2006)**

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1		Motor Mount Plate – 1:1 Drive Engine	1
2	P80587	Flex Coupler Complete – 6 Spoke type	1
3	P80608	Coupling Insert – 6 Spoke type	1
4	P80609	1" Coupling Half – 6 Spoke type	1
5	P80610	¾" Coupling Half – 6 Spoke type	1
6	M80010	½"x 2-1/2" x 3-9/16" U-Bolt	4
7	B037017	3/8" x 1-3/4" N.C. Hex Bolt	4
8	P80603	Pump Mount Housing c/w Access Covers	1
9	P80599	.29 cu. in. Pump - Cassappa	1
10	BN050	½" N.C. Hex Nut	8
11	---	9/16" I.D. Flatwasher	12
12	BW037L	3/8" Lockwasher	6
13	BW050L	½" Lockwasher	8
14	B037012	3/8" x 1-1/4" N.C. Hex Bolt	6
15	BN037	3/8" N.C. Hex Nut	4
16	P80604	Access Cover – Pump Mount Housing	2

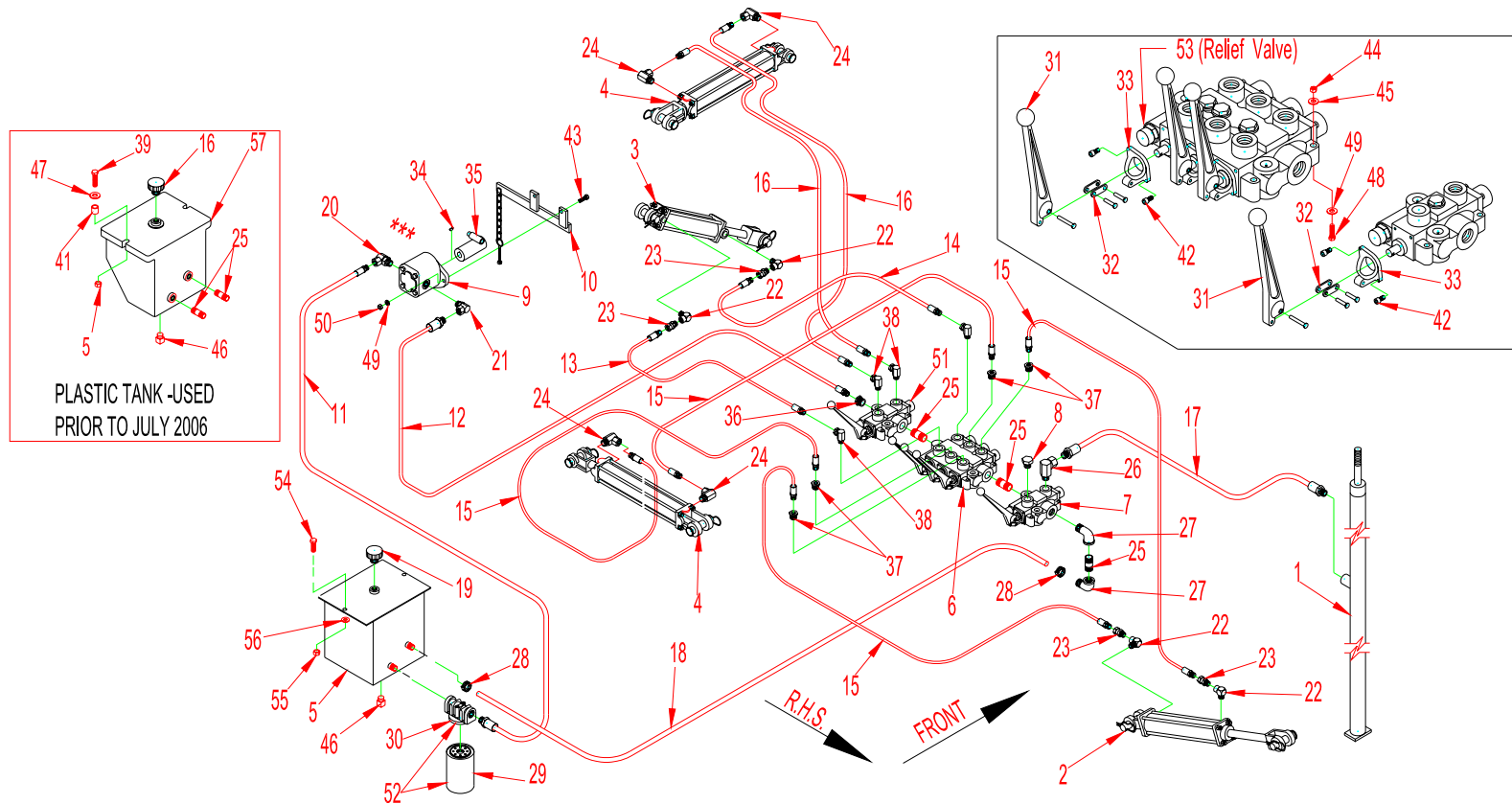
MODEL 2400 POST DRIVER HYDRAULIC SYSTEM P.T.O DRIVE



**MODEL 2400 POST DRIVER
HYDRAULIC SYSTEM - P.T.O. DRIVE**

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	281	Hammer Cylinder - 1-5/8" Dia. x 64-15/16" Stroke c/w Nuts And Mount Pad	1
2	282	2" x 12" Cylinder c/w Pins (For Hammer Tilt)	2
3	283	2" x 8" Cylinder c/w Pins (For Frame Tilt)	1
4	P80511	Hydraulic Oil Reservoir - Steel	1
5	P80681	3 Spool Hyd. Control Valve	1
6	P80682	Single Spool Hyd. Control Valve	1
**	P80530	Seal Kit - Cross 3 Spool Valve	1
**	P80528	Seal Kit - Cross Single Spool Valve	1
7	P80689	Pump - P.T.O. - With N.P.T. Ports (Danfoss)	1
	P80703	Pump - P.T.O. - With O.R.B. Ports (Cassappa)	1
***	P80518	Seal Kit - Danfoss Pump	1
***	P80517	Seal Kit- Cassappa Pump	1
***	P80516	Shaft Seal Only - Cassappa Pump	1
8	P80512	Torque Arm	1
9	P3045	3/4" x 148" Hyd. Hose c/w 3/4" Ends (P.T.O.)	1
10	P3044	1/2" x 160" Hyd. Hose c/w 1/2" Ends	1
11	P3028	1/4" x 40" Hyd. Hose c/w 3/8" Ends	1
12	P3029	1/4" x 50-1/2" Hyd. Hose c/w 3/8" Ends	1
13	P3030	1/4" x 33" Hyd. Hose c/w 3/8" Ends	4
14	P3033	3/4" x 42" Hyd. Hose c/w 3/4" Ends	1
15	P3048	1" I.D. x 58" Return Hose	1
16	A80510	Breather Cap	1
17	A70670	1-1/16" O.R.B. Male x 3/4" N.P.T. Female x 90 Degree Swivel Street Elbow (For Cassappa Motor Only)	1
	P80691	1" Male N.P.T. x 3/4" N.P.T. Female x 90 Degree Swivel Street Elbow (For Danfoss Motor Only)	1
18	P80706	7/8" O.R.B. Male x 1/2" N.P.T. Female x 90 Degree Swivel Street Elbow (For Cassappa Motor Only)	1
	DL9775	1/2" N.P.T. Male x 1/2" N.P.T. Female x 90 Degree Swivel Street Elbow (For Danfoss Motor Only)	1
19	DL5283	3/8" N.P.T. x 90 Degree Street Elbow - Steel	4
20	P80704	3/8" N.P.T. Male-Female Restricted Orifice Swivel (0.31)	4
21	DL9769	3/8" N.P.T. x 90 Degree Swivel Street Elbow	2
22	P80693	3/4" N.P.T. x 2" Nipple	2
23	P80694	1/2" N.P.T. Male x 3/4" N.P.T. Female 90 Degree Female Swivel Street Elbow	1
24	P80695	3/4" N.P.T. x 90 Degree Street Elbow	2
25	A70278	1-1/2" Hose Clamp	2
26	P80700	Oil Filter	1
27	P80699	Filter Mount	1
28	P80680	Handle	4
29	P80679	Link Kit	4
30	P80685	Handle Bracket - Cross	4
31	P80588	3/16" Square x 1-1/4" Key	1
32	P80687	540 P.T.O. Adapter 3/4" Dia.	1
33	P80698	3/4" N.P.T. Male x 1/2" N.P.T. Female Reducing Bushing - Steel	1
34	P80702	1/2" N.P.T. Male x 3/8" N.P.T. Female Reducing Bushing - Steel	4
35	P80675	1/2" N.P.T. Male x 3/8" N.P.T. Female x 90 Deg. Swivel Street Elbow	2
36	B050020	1/2" x 2" N.C. Hex Bolt	2
37	BN050L	1/2" N.C. Hex. Nylon Locknut	2
38	P80584	7/8" O.D. x 7/8" Long Spacer	2
39	P80676	1/4" N.C. x 1/2" Socket Head Capscrew	8
40	B037015	3/8" x 1-1/2" N.C. Hex Bolt	2
41	BN037	3/8" N.C. Hex Nut	6
42	BW037L	3/8" Lockwasher	6
43	P80584	3/8" N.P.T. Plug - Square Head	1
44	---	9/16" I.D. Flatwasher	2
45	302	2" x 16" Cylinder c/w Pins (For Horizontal Slide)	1
46	B037020	3/8" x 2" N.C. Hex Bolt (Plated)	6
47	P80585	1/2" N.P.T. Plug	1
48	---	7/16" I.D. x 1" O.D. Flatwasher (Plated)	8
49	BN037L	3/8" N.C. Hex Nylon Locknut	2
50	P80701	Filter and Filter Mount Assembly	1
51	P80709	Relief Valve - 1500 PSI - Cross	1
52	B050012	1/2" x 1-1/4" N.C. Hex Bolt	2
53	BN050	1/2" N.C. Hex Nut	2
54	BW050L	1/2" Lockwasher	2
55	P80513	Hydraulic Oil Reservoir - Plastic	1

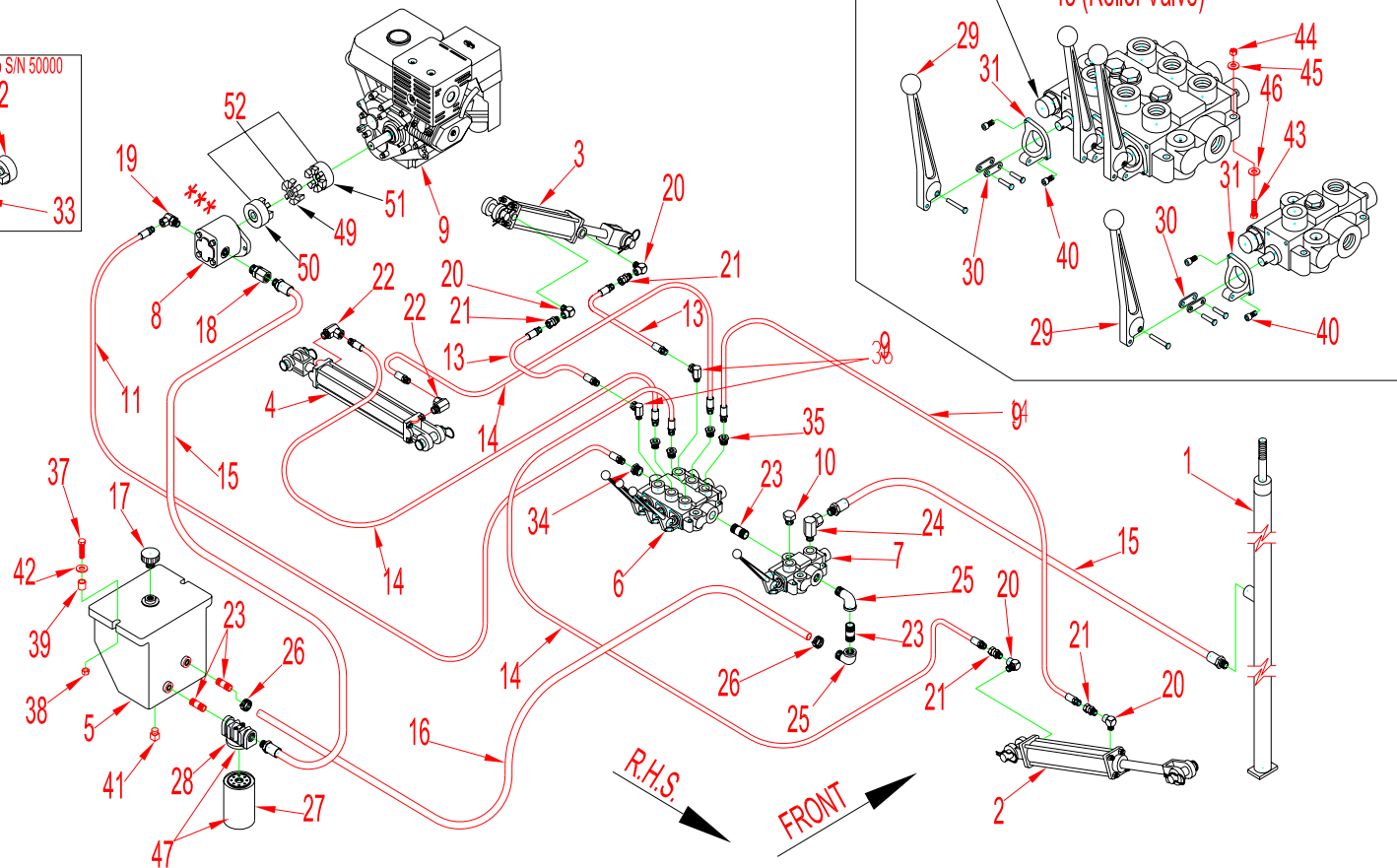
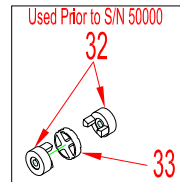
MODEL 2400 POST DRIVER **HYDRAULIC SYSTEM P.T.O DRIVE** **(c/w OPTIONAL HITCH EXTENSION KIT)**



**MODEL 2400 POST DRIVER
HYDRAULIC SYSTEM(PTO DRIVE)
c/w OPTIONAL HITCH EXTENSION KIT**

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	281	Hammer Cylinder - 1-5/8" Dia. x 64-15/16" Stroke c/w Nuts And Mount Pad	1
2	282	2" x 12" Cylinder c/w Pins (For Hammer Tilt)	1
3	283	2" x 8" Cylinder c/w Pins (For Frame Tilt)	1
4	302	2" x 16" Cylinder c/w Pins (For Horizontal Slide And Hitch Extension)	2
5	P80511	Hydraulic Oil Reservoir - Steel	1
6	P80681	3 Spool Hyd. Control Valve	1
7	P80682	Single Spool Hyd. Control Valve - single acting for hammer	2
**	P80530	Seal Kit - Cross 3 Spool Valve	1
**	P80528	Seal Kit - Cross Single Spool Valve	1
8	P80585	1/2" N.P.T. Plug	1
9	P80689	Pump P.T.O. With N.P.T. Ports (Danfoss)	1
	P80703	Pump P.T.O. With O.R.B. Ports (Cassappa)	1
***	P80518	Seal Kit - Danfoss Pump	1
***	P80517	Seal Kit - Cassappa Pump	1
***	P80516	Shaft Seal Only - Cassappa Pump	
10	P80512	Torque Arm	1
11	P3045	3/4" x 148" Hyd Hose c/w 3/4" Ends (P.T.O.)	1
12	P3044	1/2" x 160" Hyd. Hose c/w 1/2" Ends	1
13	P3028	1/4" x 40" Hyd. Hose c/w 3/8" Ends	1
14	P3029	1/4" x 50-1/2" Hyd. Hose c/w 3/8" Ends	1
15	P3030	1/4" x 33" Hyd. Hose c/w 3/8" Ends	2
16	P4300	1/4" x 118" Hyd. Hose c/w 3/8" Ends	2
17	P3033	3/4" x 42" Hyd. Hose c/w 3/4" Ends	1
18	P3048	1" I.D. x 58" Return Hose	1
19	P80510	Breather Cap	1
20	A70670	1-1/16" O.R.B. Male x 3/4" N.P.T. Female x 90 Deg. Swivel Street Elbow (For Cassappa Pump)	1
	P80691	1" Male N.P.T. x 3/4" N.P.T. Female x 90 Deg. Swivel Street Elbow (For Danfoss Pump)	1
21	P80706	7/8" O.R.B. Male x 1/2" N.P.T. Female x 90 Deg. Swivel Street Elbow (For Cassappa Pump)	1
	DL9775	1/2" N.P.T. Male x 1/2" N.P.T. Female x 90 Deg. Swivel Street Elbow (For Danfoss Pump)	1
22	DL5283	3/8" N.P.T. x 90 Deg. Street Elbow (Steel)	4
23	P80704	3/8" N.P.T. x Male-Female Restricted Orifice Swivel (0.31)	4
24	DL9769	3/8" N.P.T. x 90 Degree Swivel Street Elbow	4
25	P80693	3/4" N.P.T. x 2" Nipple	3
26	P80694	1/2" N.P.T. Male x 3/4" N.P.T. Female x 90 Deg. Female Swivel Street Elbow	1
27	P80695	3/4" N.P.T. x 90 Degree Street Elbow	2
28	A70278	1-1/2" Hose Clamp	2
29	P80700	Oil Filter	1
30	P80699	Filter Mount	1
31	P80680	Handle	5
32	P80679	Link Kit	5
33	P80685	Handle Bracket - Cross	1
34	P80588	3/16" Square x 1-1/4" Key	1
35	P80687	540 P.T.O. Adaptor 3/4" Diameter	1
36	P80698	3/4" N.P.T. Male x 1/2" N.P.T. Female Reducing Bushing - Steel	1
37	P80702	1/2" N.P.T. Male x 3/8" N.P.T. Female Reducing Bushing - Steel	4
38	P80675	1/2" N.P.T. Male x 3/8" N.P.T. Female x 90 Degree Swivel Street Elbow	4
39	B050020	1/2" x 2" N.C. Hex. Bolt	2
40	BN050L	1/2" N.C. Hex. Nylon Locknut	2
41	P80584	7/8" O.D. x 7/8" Long Spacer	2
42	P80676	1/4" N.C. x 1/2" Socket Head Capscrew	10
43	B037015	3/8" x 1-1/2" N.C. Hex. Bolt	2
44	BN037	3/8" N.C. Hex. Nut	8
45	BW037L	3/8" Lockwasher	8
46	P80584	3/8" N.P.T. Plug - Square Head	1
47	---	9/16" I.D. Flatwasher	2
48	B037020	3/8" x 2" N.C. Hex Bolt	6
49	---	7/16" I.D. x 1" O.D. Flatwasher	10
50	BN037L	3/8" N.C. Hex Nylon Locknut	2
51	P80531	Single Spool Hyd. Control Valve - double acting for hitch	1
52	P80701	Filter and Filter Mount Assembly	1
53	P80709	Relief Valve - 1500 PSI - Cross	1
54	B050012	1/2" x 1-1/4" N.C. Hex Bolt	7
55	BN050	1/2" N.C. Hex Nut	2
56	BW050L	1/2" Lockwasher	2
57	P80513	Hydraulic Oil Reservoir - plastic	1

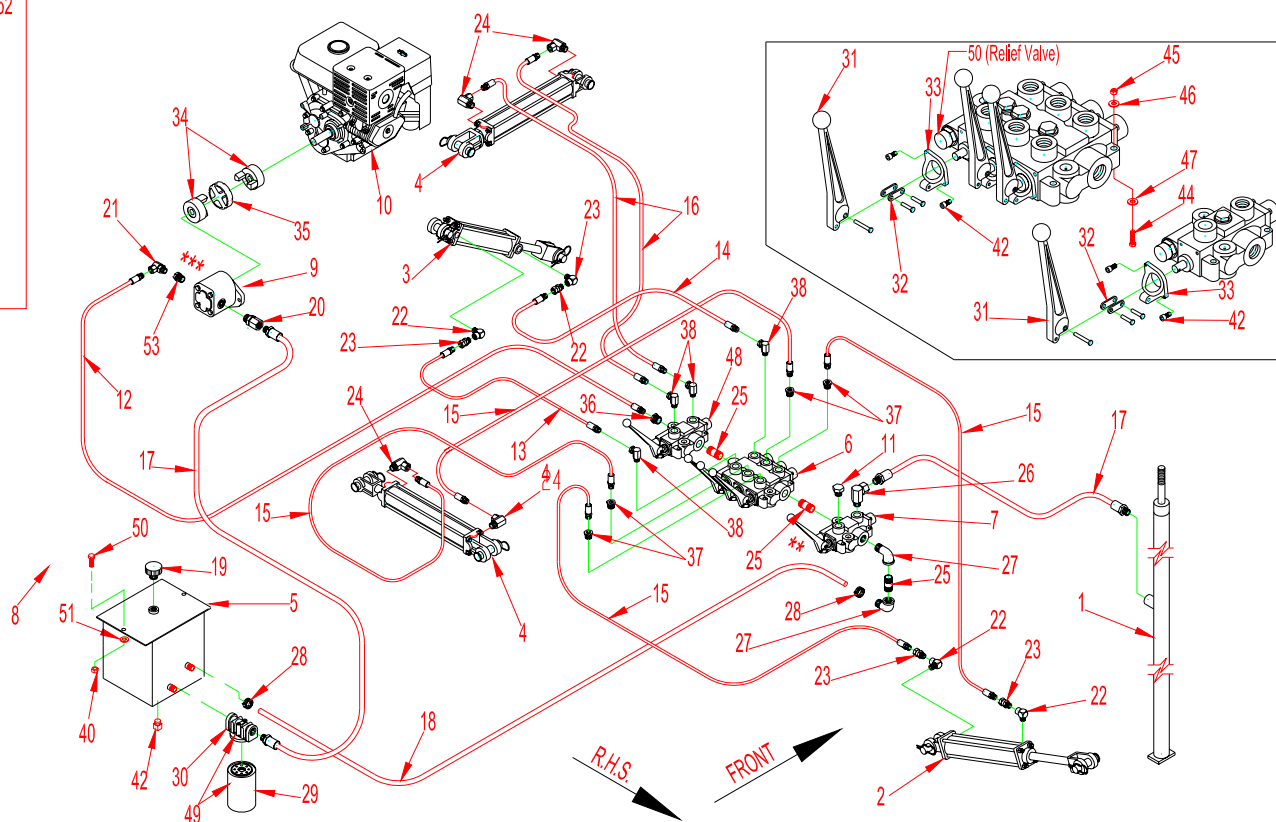
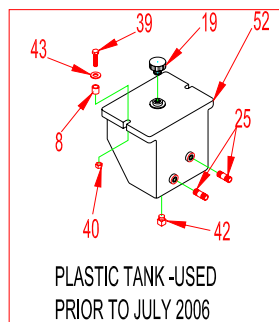
MODEL 2400 POST DRIVER HYDRAULIC SYSTEM ENGINE (w/6:1 REDUCTION DRIVE)



MODEL 2400 POST DRIVER
HYDRAULIC SYSTEM (ENGINE DRIVEw/6:1 REDUCTION DRIVE)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	281	Hammer Cylinder - 1-5/8" Dia. x 64-15/16" Stroke c/w Nuts And Mount Pad	1
2	282	2" x 12" Cylinder c/w Pins (For Hammer Tilt)	2
3	283	2" x 8" Cylinder c/w Pins (For Frame Tilt)	1
4	302	2" x 16" Cylinder c/w Pins (For Horizontal Slide)	1
5	P80513	Hydraulic Oil Reservoir - Plastic	1
6	P80681	3 Spool Hyd. Control Valve	1
7	P80682	Single Spool Hyd. Control Valve - (single acting for hammer)	1
**	P80528	Seal Kit - Cross Single Spool Valve	1
**	P80530	Seal Kit - Cross 3 Spool Valve	1
8	P80598	Pump - Engine Drive With O.R.B. Ports (Cassappa) - 1.99 cu. in. - used w/ Honda Engine - 6:1 Drive	1
	P80597	Pump - Engine Drive With N.P.T. Ports (Danfoss) - 1.99 cu. in. - used w/ Honda Engine - 6:1 Drive	1
***	P80518	Seal Kit - Danfoss Pump	1
***	P80517	Seal Kit - Cassappa Pump	1
***	P80516	Shaft Seal Only - Cassappa Pump	1
9	P80600	Honda Engine (9 H.P.) - w/6:1 Reduction Drive	1
10	P80585	1/2" N.P.T. Plug	1
11	P4301	1/2" x 64" Hyd. Hose c/w 1/2" Ends	1
12	P3028	1/4" x 40" Hyd. Hose c/w 3/8" Ends	1
13	P3029	1/4" x 50-1/2" Hyd. Hose c/w 3/8" Ends	1
14	P3030	1/4" x 33" Hyd. Hose c/w 3/8" Ends	4
15	P3033	3/4" x 42" Hyd. Hose c/w 3/4" Ends	1
16	P3048	1" I.D. x 58" Return Hose	1
17	P80510	Breather Cap	1
18	P80707	1" N.P.T. Male x 3/4" N.P.T. Female Swivel Adapter (For Danfoss Pump)	1
	A70706	1-1/16" O.R.B. Male x 3/4" N.P.T. Female Swivel Adapter (For Cassappa Pump)	1
19	DL9775	1/2" N.P.T. Male x 1/2" N.P.T. Female x 90 Degree Swivel Street Elbow (For Danfoss Pump)	1
	A70670	7/8" O.R.B. Male x 1/2" N.P.T. 90 Degree Swivel Street Elbow (For Cassappa Pump)	1
20	DL5283	3/8" N.P.T. x 90 Degree Street Elbow (Steel)	1
21	P80704	3/8" N.P.T. Male-Female Restricted Orifice Swivel (0.31)	4
22	DL9769	3/8" N.P.T. x 90 Degree Swivel Street Elbow	2
23	P80693	3/4" N.P.T. x 2" Nipple	2
24	P80694	1/2" N.P.T. Male x 3/4" N.P.T. Female 90 Degree Swivel Street Elbow	1
25	P80695	3/4" N.P.T. x 90 Degree Street Elbow	2
26	A70278	1-1/2" Hose Clamp	2
27	P80700	Oil Filter	1
28	P80699	Filter Mount	1
29	P80680	Handle	4
30	P80679	Link Kit	4
31	P80685	Handle Bracket - Cross	4
32	P80591	1" Flex Coupling - 4 Spoke Type - (used prior to S/N 50000)	1
	P80590	3/4" Flex Coupling - 4 Spoke Type - (used prior to S/N 50000)	1
33	P80589	Coupling Insert - 4 Spoke Type - (used prior to S/N 50000)	1
34	P80698	3/4" N.P.T. Male x 1/2" N.P.T. Female Reducing Bushing (Steel)	1
35	P80702	1/2" N.P.T. Male x 3/8" N.P.T. Female Reducing Bushing (Steel)	1
36	P80675	1/2" N.P.T. Male x 3/8" N.P.T. Female x 90 Deg. Swivel Street Elbow	2
37	B050020	1/2" x 2" N.C. Hex Bolt	2
38	BN050L	1/2" N.C. Hex. Nylon Locknut	2
39	P80583	7/8" O.D. x 7/8" Long Space	2
40	P80676	1/4" N.C. x 1/2" Socket Head Capscrew	8
41	P80584	3/8" N.P.T. Plug (Square Head)	1
42	---	9/16" I.D. Flatwasher	2
43	B037020	3/8" x 2" N.C. Hex Bolt	6
44	BN037	3/8" N.C. Hex Nut	6
45	BW037L	3/8" Lockwasher	6
46	---	7/16" I.D. x 1" O.D. Flatwasher	6
47	P80701	Filter and Filter Mount Assembly	1
48	P80709	Relief Valve - 1500 PSI - Cross	1
49	P80608	Coupling Insert - 6 Spoke Type - (used on S/N 50000 and later)	1
50	P80609	1" Coupling Half - 6 Spoke Type - (used on S/N 50000 and later)	1
51	P80610	3/4" Coupling Half - 6 Spoke Type - (used on S/N 50000 and later)	1
52	P80587	Flex Coupler Complete	1

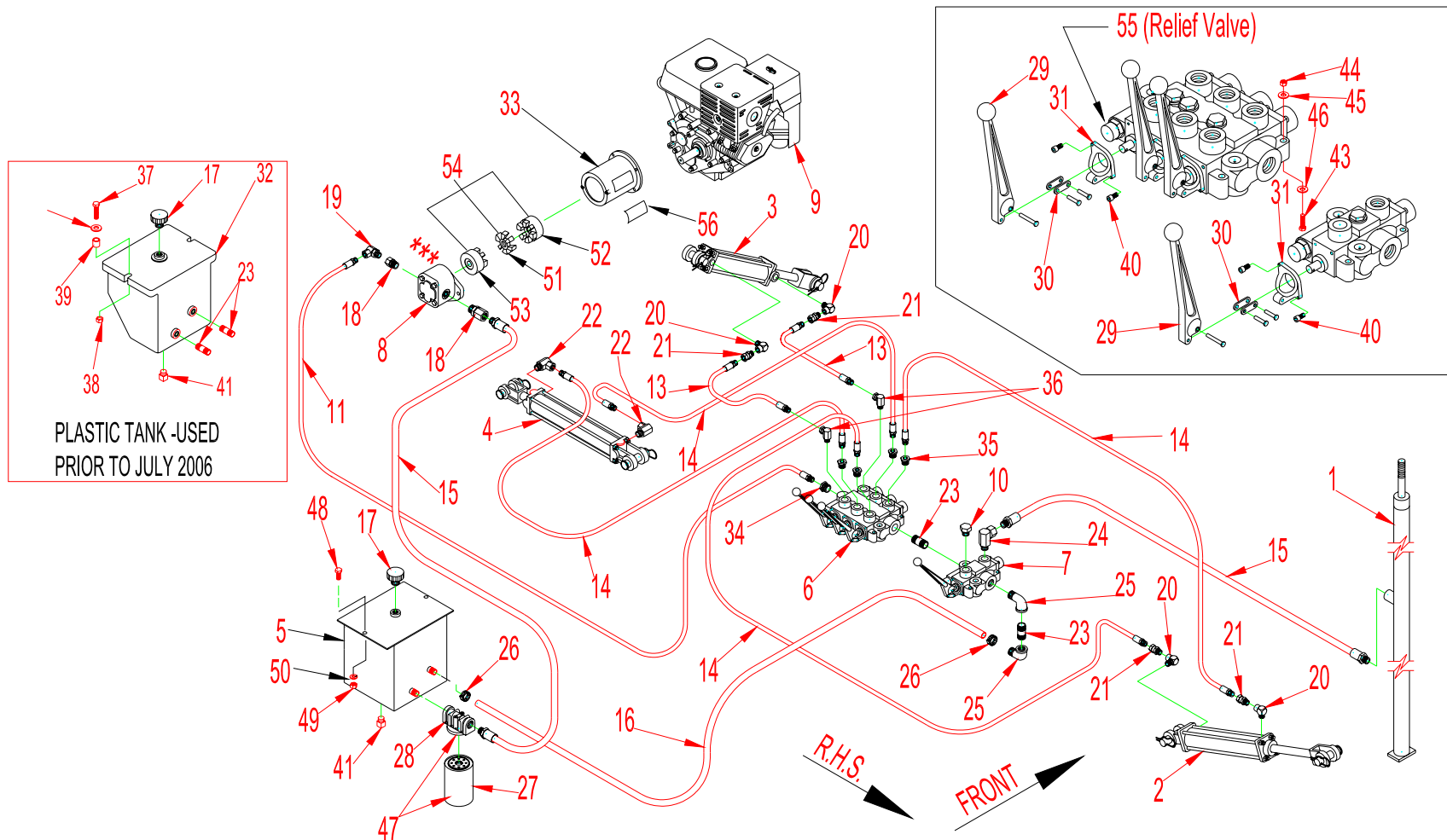
MODEL 2400 POST DRIVER **HYDRAULIC SYSTEM ENGINE DRIVE** **(w/6:1 REDUCTION DRIVE)** **(c/w OPTIONAL HITCH EXTENSION KIT)**



MODEL 2400 POST DRIVER
HYDRAULIC SYSTEM (ENGINE DRIVE w/6:1 REDUCTION DRIVE)
c/w OPTIONAL HITCH EXTENSION KIT

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	281	Hammer Cylinder - 1-5/8" Dia. x 64-15/16" Stroke c/w Nuts And Mount Pad	1
2	282	2" x 12" Cylinder c/w Pins (For Hammer Tilt)	1
3	283	2" x 8" Cylinder c/w Pins (For Frame Tilt)	1
4	302	2" x 16" Cylinder c/w Pins (For Horizontal Slide And Hitch Extension)	2
5	P80513	Hydraulic Oil Reservoir - Plastic	1
6	P80681	3 Spool Hyd. Control Valve	1
7	P80682	Single Spool Hyd. Control Valve	1
**	P80528	Seal Kit - Cross Single Spool Valve	1
**	P80530	Seal Kit - Cross 3 Spool Valve	1
8	P80583	7/8" O.D. x 7/8" Long Spacer	1
9	P80598	Pump (Engine Drive) With N.P.T. Ports (Danfoss) - 1.99 cu. in. - (used with Honda Engine - 6:1 drive)	1
	P80597	Pump (Engine Drive) With O.R.B. Ports (Cassappa) - 1.99 cu. in. - (used with Honda Engine - 6:1 drive)	1
***	P80518	Seal Kit - Danfoss Pump	1
***	P80516	Seal Kit - Cassappa Pump	1
***	P80517	Shaft Seal Only - Cassappa Pump	1
10	P80600	Honda Engine (9 H.P.) - w/6:1 Reduction Drive	1
11	P80585	1/2" N.P.T. Plug	1
12	P4301	1/2" x 64" Hyd. Hose c/w 1/2" Ends	1
13	P3028	1/4" x 40" Hyd. Hose c/w 3/8" Ends	1
14	P3029	1/4" x 50-1/2" Hyd. Hose c/w 3/8" Ends	1
15	P3030	1/4" x 33" Hyd. Hose c/w 3/8" Ends	2
16	P4300	1/4" x 118" Hyd. Hose c/w 3/8" Ends	2
17	P3033	3/4" x 42" Hyd. Hose c/w 3/4" Ends	1
18	P3048	1" I.D. x 58" Return Hose	1
19	P80510	Breather Cap	1
20	P80707	1" N.P.T. Male x 3/4" N.P.T. Female Swivel Adapter (For Danfoss Pump)	1
	P80708	1-1/16" O.R.B. Male x 3/4" N.P.T. Female Swivel Adapter (For Cassappa Pump)	1
21	DL9775	1/2" N.P.T. Male x 1/2" N.P.T. Female x 90 Deg. Swivel Street Elbow (For Danfoss Pump)	1
	P80706	7/8" O.R.B. Male x 1/2" N.P.T. x 90 Deg. Swivel Street Elbow (For Cassappa Pump)	1
22	DL5283	3/8" N.P.T. x 90 Deg. Street Elbow (Steel)	4
23	P80704	3/8" N.P.T. x Male-Female Restricted Orifice Swivel (0.31)	4
24	DL9769	3/8" N.P.T. x 90 Deg. Swivel Street Elbow	4
25	P80693	3/4" N.P.T. x 2" Nipple	3
26	P80694	1/2" N.P.T. Male x 3/4" N.P.T. Female x 90 Deg. Female Swivel Street Elbow	1
27	P80695	3/4" N.P.T. x 90 Deg. Street Elbow	2
28	A70278	1-1/2" Hose Clamp	2
29	P80700	Oil Filter	1
30	P80699	Filter Mount	1
31	P80680	Handle	5
32	P80679	Link Kit	5
33	P80685	Handle Bracket	5
34	P80591	1" Flex Coupling - 4 Spoke Type - used prior to S/N 5000	1
	P80590	3/4" Flex Coupling - 4 Spoke Type - used prior to S/N 5000	1
35	P80589	Coupling Insert - 4 Spoke Type - used prior to S/N 5000	1
36	P80698	3/4" N.P.T. Male x 1/2" N.P.T. Female Reducing Bushing - Steel	1
37	P80702	1/2" N.P.T. Male x 3/8" N.P.T. Female Reducing Bushing - Steel	4
38	P80675	1/2" N.P.T. Male x 3/8" N.P.T. Female x 90 Degree Swivel Street Elbow	4
39	B050020	1/2" x 2" N.C. Hex. Bolt	2
40	BN050	1/2" N.C. Hex. Nylon Locknut	2
41	P80676	1/4" N.C. x 1/2" Socket Head Capscrew	10
42	P80584	3/8" N.P.T. Plug (Square Head)	1
43	---	9/16" I.D. Flatwasher	2
44	B037020	3/8" x 2" N.C. Hex Bolt	8
45	BN037	3/8" N.C. Hex Nut	8
46	BW037L	3/8" Lockwasher	8
47	---	7/16" I.D. x 1" O.D. Flatwasher (Plated)	8
48	P80531	Single Spool Hyd. Control Valve (double acting for hitch)	1
49	P80701	Filter and Filter Mount Assembly	1
50	P80709	Relief Valve - 1500 PSI - Cross	1
51	P80608	Coupling Insert - 6 Spoke Type (used on S/N 50000 and later)	1
52	P80609	1" Flex Coupling - 6 Spoke Type (used on S/N 50000 and later)	1
53	P80610	3/4" Flex Coupling - 6 Spoke Type (used on S/N 50000 and later)	1
54	P80587	Flex Coupler Complete	1

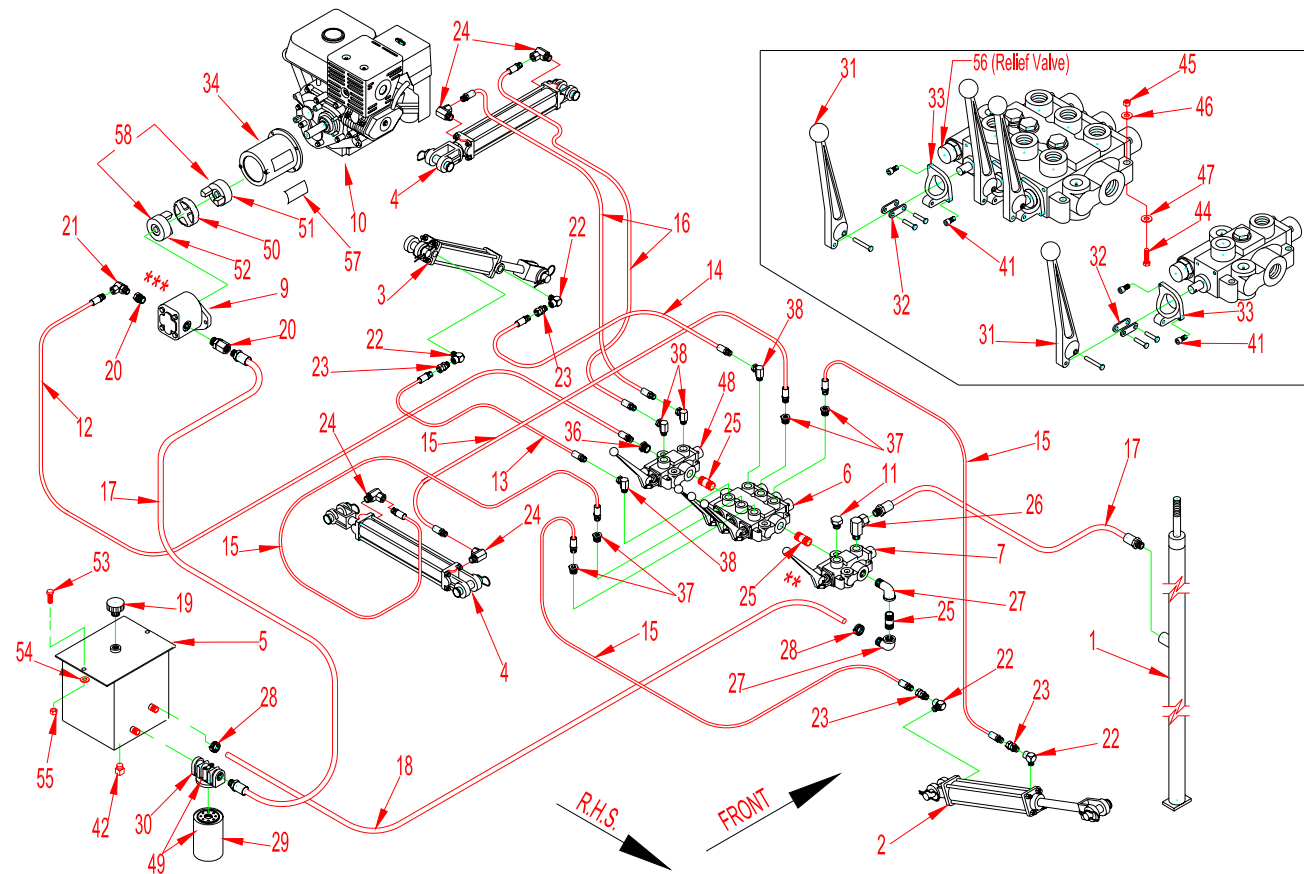
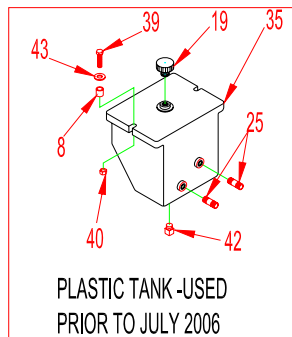
MODEL 2400 POST DRIVER HYDRAULIC SYSTEM ENGINE DRIVE (w/DIRECT DRIVE PUMP)



MODEL 2400 POST DRIVER
HYDRAULIC SYSTEM (ENGINE DRIVE w/DIRECT DRIVE PUMP)
(after JULY 1/06)

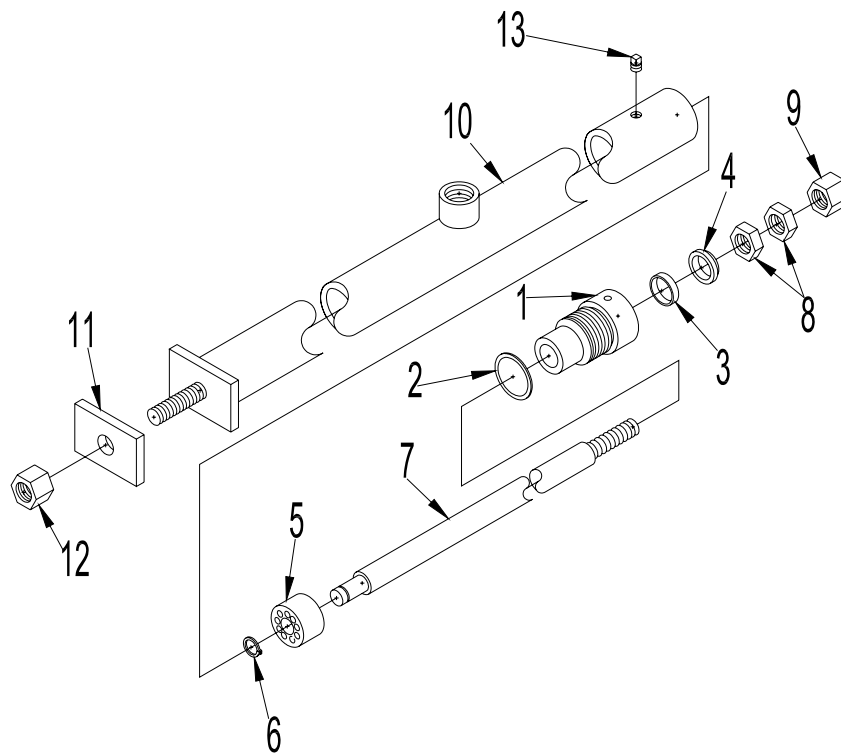
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	281	Hammer Cylinder - 1-5/8" Dia. x 64-15/16" Stroke c/w Nuts And Mount Pad	1
2	282	2" x 12" Cylinder c/w Pins (For Hammer Tilt)	2
3	283	2" x 8" Cylinder c/w Pins (For Frame Tilt)	1
4	302	2" x 16" Cylinder c/w Pins (For Horizontal Slide)	1
5	P80511	Hydraulic Oil Reservoir - Steel	1
6	P80681	3 Spool Hyd. Control Valve	1
7	P80682	Single Spool Hyd. Control Valve - (single acting for hammer)	1
**	P80528	Seal Kit - Cross Single Spool Valve	1
**	P80530	Seal Kit - Cross 3 Spool Valve	1
8	P80599	.29 cu. in. Pump - Engine Drive (Cassappa)	1
***	P80517	Seal Kit - Cassappa Pump	1
***	P80516	Shaft Seal Only - Cassappa Pump	1
9	P80611	Honda Engine (9 H.P.) - (no Reduction Drive)	1
	P80612	Hy-Spec Engine (9 H.P.) - (no Reduction Drive)	1
10	P80585	1/2" N.P.T. Plug	1
11	P4301	1/2" x 64" Hyd. Hose c/w 1/2" Ends	1
12	P3028	1/4" x 40" Hyd. Hose c/w 3/8" Ends	1
13	P3029	1/4" x 50-1/2" Hyd. Hose c/w 3/8" Ends	1
14	P3030	1/4" x 33" Hyd. Hose c/w 3/8" Ends	1
15	P3033	3/4" x 46" Hyd. Hose c/w 3/4" and 1/2" Ends	4
16	P3048	1" I.D. x 58" Return Hose	1
17	P80510	Breather Cap	1
18	A70706	7/8" - 14 O.R.B. Male x 1/2" N.P.T. Female Swivel Adapter	2
19	DL9775	1/2" N.P.T. x 90 Degree Swivel Street Elbow	1
20	DL5283	3/8" N.P.T. x 90 Degree Street Elbow (Steel)	1
21	P80704	3/8" N.P.T. Male-Female Restricted Orifice Swivel (0.31)	4
22	DL9769	3/8" N.P.T. x 90 Degree Swivel Street Elbow	2
23	P80693	3/4" N.P.T. x 2" Nipple	2
24	P80694	1/2" N.P.T. Male x 3/4" N.P.T. Female 90 Degree Swivel Street Elbow	1
25	P80695	3/4" N.P.T. x 90 Degree Street Elbow	2
26	A70278	1-1/2" Hose Clamp	2
27	P80700	Oil Filter	1
28	P80699	Filter Mount	1
29	P80680	Handle	4
30	P80679	Link Kit	4
31	P80685	Handle Bracket - Cross	4
32	P80513	Hydraulic Oil Reservoir - Plastic	1
33	P80603	Pump Mount Housing	1
34	P80698	3/4" N.P.T. Male x 1/2" N.P.T. Female Reducing Bushing (Steel)	1
35	P80702	1/2" N.P.T. Male x 3/8" N.P.T. Female Reducing Bushing (Steel)	1
36	P80675	1/2" N.P.T. Male x 3/8" N.P.T. Female x 90 Deg. Swivel Street Elbow	2
37	B050020	1/2" x 2" N.C. Hex Bolt	2
38	BN050L	1/2" N.C. Hex. Nylon Locknut	2
39	P80583	7/8" O.D. x 7/8" Long Space	2
40	P80676	1/4" N.C. x 1/2" Socket Head Capscrew	8
41	P80584	3/8" N.P.T. Plug (Square Head)	1
42	---	9/16" I.D. Flatwasher	2
43	B037020	3/8" x 2" N.C. Hex Bolt	6
44	BN037	3/8" N.C. Hex Nut	6
45	BW037L	3/8" Lockwasher	6
46	---	7/16" I.D. x 1" O.D. Flatwasher	6
47	P80701	Filter and Filter Mount Assembly	1
48	B050012	1/2" x 1-1/4" N.C. Hex Bolt	2
49	BN050	1/2" N.C. Hex Bolt	2
50	BW050L	1/2" Lockwasher	2
51	P80608	Coupling Insert - 6 Spoke Type	1
52	P80609	1" Flex Coupling - 6 Spoke Type	1
53	P80610	3/4" Flex Coupling - 6 Spoke Type	1
54	P80587	Flex Coupler Complete	1
55	P80709	Relief Valve - 1500 PSI - Cross	1
56	P80604	Access Cover - Pump Mount Housing	2

MODEL 2400 POST DRIVER **HYDRAULIC SYSTEM ENGINE DRIVE** **(w/DIRECT DRIVE PUMP)** **(c/w OPTIONAL HITCH EXTENSION KIT)**



MODEL 2400 POST DRIVER
HYDRAULIC SYSTEM (ENGINE DRIVE w/DIRECT DRIVE PUMP) c/w OPTIONAL HITCH EXTENSION KIT
(after JULY 1/06)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	281	Hammer Cylinder - 1-5/8" Dia. x 64-15/16" Stroke c/w Nuts And Mount Pad	1
2	282	2" x 12" Cylinder c/w Pins (For Hammer Tilt)	2
3	283	2" x 8" Cylinder c/w Pins (For Frame Tilt)	1
4	302	2" x 16" Cylinder c/w Pins (For Horizontal Slide)	1
5	P80511	Hydraulic Oil Reservoir - Steel	1
6	P80681	3 Spool Hyd. Control Valve	1
7	P80682	Single Spool Hyd. Control Valve	1
**	P80528	Seal Kit - Cross Single Spool Valve	1
**	P80530	Seal Kit - Cross 3 Spool Valve	1
8	P80583	7/8" O.D. x 7/8" Long Spacer	1
9	P80599	.29 Engine Drive Pump - Cassappa	1
***	P805617	Seal Kit - Cassappa Pump	1
***	P80516	Shaft Seal Only - Cassappa Pump	1
10	P80611	Honda Engine (9 H.P.) - (no reduction drive)	1
	P80612	Hy-Spec Engine (9 H.P.) - (no reduction drive)	1
11	P80585	1/2" N.P.T. Plug	1
12	P4301	1/2" x 64" Hyd. Hose c/w 1/2" Ends	1
13	P3028	1/4" x 40" Hyd. Hose c/w 3/8" Ends	1
14	P3029	1/4" x 50-1/2" Hyd. Hose c/w 3/8" Ends	1
15	P3030	1/4" x 33" Hyd. Hose c/w 3/8" Ends	2
16	P4300P	1/4" x 118" Hyd. Hose c/w 3/8" Ends	2
17	P3033	3/4" x 46" Hyd. Hose c/w 3/4" and 1/2" Ends	1
18	P3048	1" I.D. x 58" Return Hose	1
19	P3048	Breather Cap	1
20	L4043	7/8" O.R.B. Male x 1/2" N.P.T. Female Swivel Adapter	2
21	DL9775	1/2" N.P.T. x 90 Degree Swivel Street Elbow	1
22	DL5283	3/8" N.P.T. x 90 Degree Street Elbow (Steel)	4
23	P80704	3/8" N.P.T. Male-Female Restricted Orifice Swivel (0.31)	4
24	DL9769	3/8" N.P.T. x 90 Degree Swivel Street Elbow	4
25	P80693	3/4" N.P.T. x 2" Nipple	3
26	P80694	1/2" N.P.T. Male x 3/4" N.P.T. Female 90 Degree Swivel Street Elbow	1
27	P80695	3/4" N.P.T. x 90 Degree Street Elbow	2
28	A70278	1-1/2" Hose Clamp	2
29	P80700	Oil Filter	1
30	P80699	Filter Mount	1
31	P80680	Handle	5
32	P80679	Link Kit	5
33	P80685	Handle Bracket	5
34	P80603	Pump Mount Housing	1
35	P80513	Hydraulic Oil Reservoir - Plastic	1
36	P80698	3/4" N.P.T. Male x 1/2" N.P.T. Female Reducing Bushing (Steel)	1
37	P80702	1/2" N.P.T. Male x 3/8" N.P.T. Female Reducing Bushing (Steel)	4
38	P80675	1/2" N.P.T. Male x 3/8" N.P.T. Female x 90 Deg. Swivel Street Elbow	4
39	BO50020	1/2" x 2" N.C. Hex Bolt	2
40	BN050L	1/2" N.C. Hex. Nylon Locknut	2
41	P80676	1/4" N.C. x 1/2" Socket Head Capscrew	10
42	P80584	3/8" N.P.T. Plug (Square Head)	1
43	---	9/16" I.D. Flatwasher	2
44	BO37020	3/8" x 2" N.C. Hex Bolt	8
45	BN037	3/8" N.C. Hex Nut	8
46	BW037L	3/8" Lockwasher	8
47	---	7/16" I.D. x 1" O.D. Flatwasher	8
48	P80531	Single Spool Hyd. Control Valve - (double acting for hitch)	1
49	P80701	Filter and Filter Mount Assembly	1
50	P80608	Coupling Insert - 6 Spoke Type	1
51	P80609	1" Flex Coupling - 6 Spoke Type	1
52	P80610	3/4" Flex Coupling - 6 Spoke Type	1
53	BO50012	1/2" x 1-1/4" N.C. Hex Bolt	2
54	BN050L	1/2" Lockwasher	2
55	BN050	1/2" N.C. Hex Nut	2
56	P80709	Relief Valve - 1500 PSI - Cross	1
57	P80604	Access Cover - Pump Mount Housing	2
58	P80587	Flex Coupler Complete	1

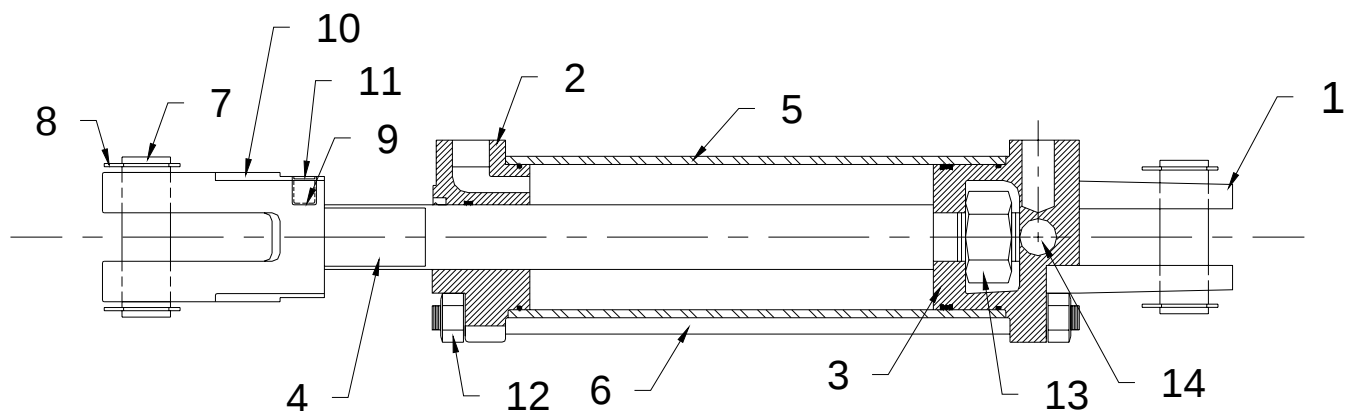


MODEL 2400 POST DRIVER HAMMER CYLINDER

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	16HP1	1-5/8" O.D. x 7/8" I.D. Headplate (N5)	1
2	10OR5	1-3/4" O.D. x 1-1/2" I.D. x 1/8" O-Ring	1
3	10RS8	7/8" I.D. Rod Seal	1
4	10WS8	7/8" I.D. Wiper Seal	1
5	16PB1	1-5/8" Diameter Rod Guide	1
6	10RR1	5/8" Dia. Shaft Retaining Ring	1
7	10SH56	7/8" Diameter x 73-1/8" Long Cylinder Shaft	1
8	10NU7	3/4" - 16 U.N.F. Hex. Jam Nut (Grade 2)	2
9	10NU8	3/4" - 16 U.N.F. Hex. Nylon Locknut (Grade 5)	1
10	16TU1	1-5/8" x 69-1/4" Barrel	1
11	P80522	3/8" x 2-1/4" x 3-1/4" Mount Pad	1
12	10NU9	5/8" - 18 U.N.F. Hex. Nylon Locknut (Grade 5)	1
13	P80705	1/8" N.P.T. Square Head Plug	1

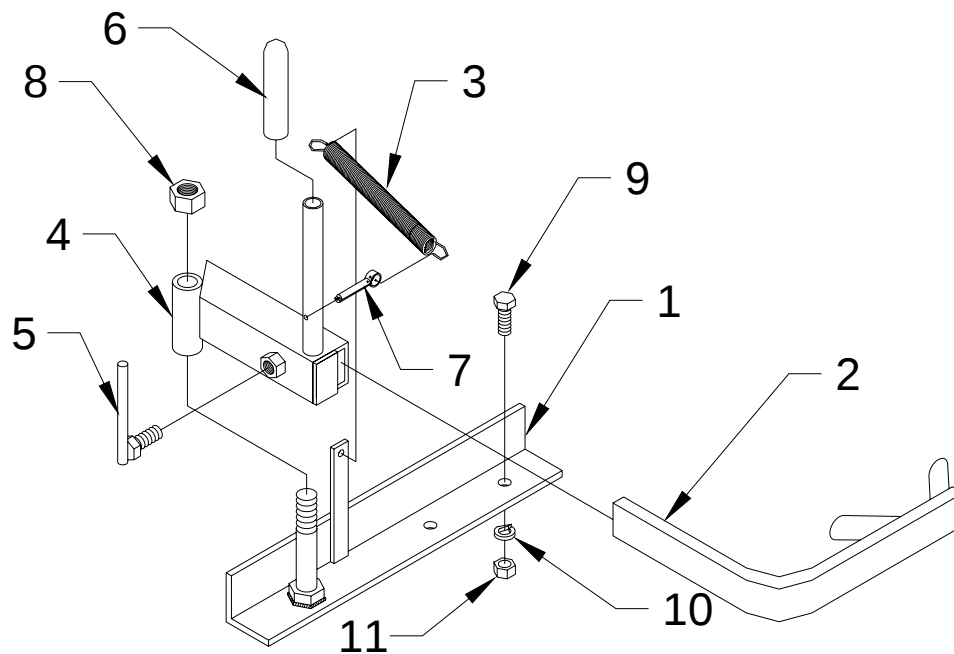
SEAL KIT - NO. 1608N5

KIT NO.	DESCRIPTION	QTY. REQ'D
10OR5	1-3/4" O.D. x 1-1/2" I.D. x 1/8" O-Ring	1
10RS8	7/8" I.D. Rod Seal	1
10WS8	7/8" I.D. Wiper Seal	1



**MODEL 2400 POST DRIVER
HYDRAULIC CYLINDERS - MONARCH (HITCH, SLIDE, and TILT)**

REF. NO.	MONARCH PART NO.	DESCRIPTION	MONARCH 2" x 8" QTY. REQ'D	MONARCH 2" x 12" QTY. REQ'D	MONARCH 2" x 16" QTY. REQ'D
1	492805	Clevis Cap (For 1" Pin)	1	1	1
2	492806	Rod Cap	1	1	1
3	492548	2" Dia. Piston	1	1	1
4	492851	Rod (8" Stroke)	1	--	--
	492853	Rod (12" Stroke)	--	1	--
	492355	Rod (16" Stroke)	--	--	1
5	491608	Tube (8" Stroke)	1	--	--
	491612	Tube (12" Stroke)	--	1	1
	491616	Tube (16" Stroke)	--	--	--
6	492216	Tie Rod (8" Stroke)	4	--	1
	492222	Tie Rod (12" Stroke)	--	4	--
	492226	Tie Rod (16" Stroke)	--	--	4
7 & 8	640091	Pin (2) (For 1" Dia.)	2	2	2
9	498006	Thread. Lock	1	1	1
10	492650	Rod Clevis (For 1" Pin)	1	1	1
11	148390	Set Screw	1	1	1
12	128230	Nut - Tie Rod	8	8	8
13	129090	Nut - Piston	1	1	1
14	196530	Plug	1	1	1
**	639572	Seal Kit (Rod Dia. 1-1/8")	1	1	1



POST GUIDE (OPTIONAL)

REF. NO.	PART NO.	DESCRIPTION	QTY REQ'D
1	P80732	Mounting Bracket	1
2	P80733	Post Holding Arm	1
3	A70157	Extension Spring	1
4	A80734	Arm Actuator	1
5	A80735	Lock Bolt	1
6	P80602	Rubber Grip	1
7	BP25200	1/4" x 2" Cotter Pin	1
8	BN100L	1" N.C. Hex Nylon Lock Nut	1
9	B062015	5/8" x 1-1/2" N.C. Hex Bolt	2
10	BW062L	5/8" Lockwashers	2
11	BN062	5/8" Hex Nut	2