



**SPARTAN  
EQUIPMENT®**


# **Post Driver**

**For**

# **Skid Steer Loaders**

## **Operator's Manual Set-Up Assembly and Parts Information**

**Do not use or operate this machine until this manual has been read  
and understood.**

 Read the Operation & Maintenance Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

## **IMPORTANT**

**If this machine is used by an employee or is loaned or rented to others, make certain that the operator(s) prior to operating:**

- **Is instructed in safe and proper use.**
- **Reviews and understands the operation and maintenance manual(s) pertaining to the machine.**

**Remember, the operator is responsible for the safe operation and maintenance of the machine. Most accidents can be prevented. Good safety practices not only protect you, but also the people around you.**

**NOTE:** *Spartan Equipment reserves the right to make improvements in design or changes in specifications at any time without notice and without incurring any obligations to install them on units previously sold.*

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## REFERENCE INFORMATION

Write the correct information for YOUR Post Driver in the spaces below. Always use these numbers when referring to your Post Driver.

Post Driver Serial Number \_\_\_\_\_

# FOREWORD

## To The Owner/Operator:

**DO NOT use or operate this machine until this manual has been read and understood. If you require additional information, contact your Dealer or Spartan Equipment.**

Operation and Maintenance Manuals are written to give the owner/operator instructions on the safe operation and maintenance of the product. For your safety and the safety of other persons, you must not operate, service, inspect or otherwise handle this equipment before you have reviewed and understood the Operation and Maintenance Manual(s) pertaining to the Spartan Equipment™ Post Driver and the "Skid Steer Loader".

Throughout this manual reference may be made to the left hand (LH) or right hand (RH) side. These terms are used as viewed from the operator's seat facing forward.

In order to get the optimum performance and efficiency that has been designed into the Spartan Equipment™ Post Driver, read this manual thoroughly before setting-up, operating, or performing maintenance procedures on the machine.

It is the responsibility of the user to read the operator's manual and comply with the safety instructions, operating instructions and maintenance guidelines set forth in this manual.

The user is responsible for inspecting the machine daily and for having parts repaired or replaced when continued use of the machine would cause damage, excessive wear to other parts, or make the machine unsafe for continued operation.

The signal words **CAUTION**, **WARNING**, or **DANGER** are used to indicate degree of hazards and to warn against unsafe practices that may cause personal injury and are used with appropriate safety instructions. These signal words are not to be ignored; your safety is involved.



**CAUTION:** denotes a general reminder of good safety practices or directs attention to unsafe practices.



**WARNING:** denotes a hazard •• intermediate between **DANGER** and **CAUTION**.



**DANGER:** denotes the most serious hazard.

The word **NOTE** is used to convey information that is out of context with the manual text; special information such as specifications, techniques, reference information, and other information of a supplementary nature.

The word **IMPORTANT**, is used in the text when immediate damage will occur to the machine due to improper technique or operation. **IMPORTANT** will apply to the same information specified by **NOTE**, only of an immediate and urgent nature.

Spartan Equipment cannot anticipate every possible circumstance that might involve potential hazard. The safety messages found in this manual and on the machine are therefore not all inclusive. If an operating procedure, tool device, maintenance, or work method not specifically recommended is used; you must satisfy yourself that it is safe for you and others. You must also ensure that the machine will not be damaged or made unsafe by the procedures you choose.



**Whenever you see this symbol, it means Attention!  
Become Alert! Your Safety is involved.  
Failure to obey warnings or instructions can cause  
personal injury or death.**

Operating instructions must be given to everyone before operating this machine and at least once a year thereafter in accordance with OSHA regulations.

#### General Safety Instructions

- Read the operators manual for the "Skid Steer Loader" to become totally familiar with the controls and instruments. Know how to stop all equipment operation in case of emergency.
- Avoid the possibility of personal injury and/or machine damage. NEVER exceed the maximum recommended input power or speed specifications for the Post Driver.
- Check and be sure all operating controls are in neutral before starting the engine.
- Disengage hydraulic drive, lower the Post Driver to rest flat on the ground, stop engine, set park brake, and wait for all motion to stop before leaving the operators seat for any reason.



**WARNING: Before adjusting, or servicing the unit, stop the engine and relieve all hydraulic pressure**

**by opening the control valve.**

- Keep all shields, guards, and covers in place and in good condition.
- Stay clear of the Post Driver when unit is in operation.
- **NEVER** make adjustments, lubricate, or perform any service on the machine while it is in operation.
- Keep people at least 10 feet (3m) away from machine when machine is in operation.
- **NEVER** operate near embankments or terrain that is so steep that rollover could occur.
- **NEVER** allow children or untrained persons to operate.
- **DO NOT** permit riders on equipment.
- Use adequate safety warning lights and devices as required by local regulations.
- Obey all local laws and regulations regarding machine operation on public property.

- The machine is designed for driving posts into the ground only. **NEVER** use this machine for any other purpose.
- Do not modify equipment or add attachments that are not approved by Spartan Equipment.
- Remember, **YOU** are responsible for the safe operation and maintenance of the equipment. Most accidents can be prevented. Good safety practices not only protect you, but also the people around you.



#### Wear Protective Equipment

- Protective clothing and equipment should be worn.
- Wear clothing and equipment appropriate for the job. Avoid loose fitting clothing.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- Operating equipment safely requires the full attention of the operator. Avoid wearing radio headphones while operating equipment.



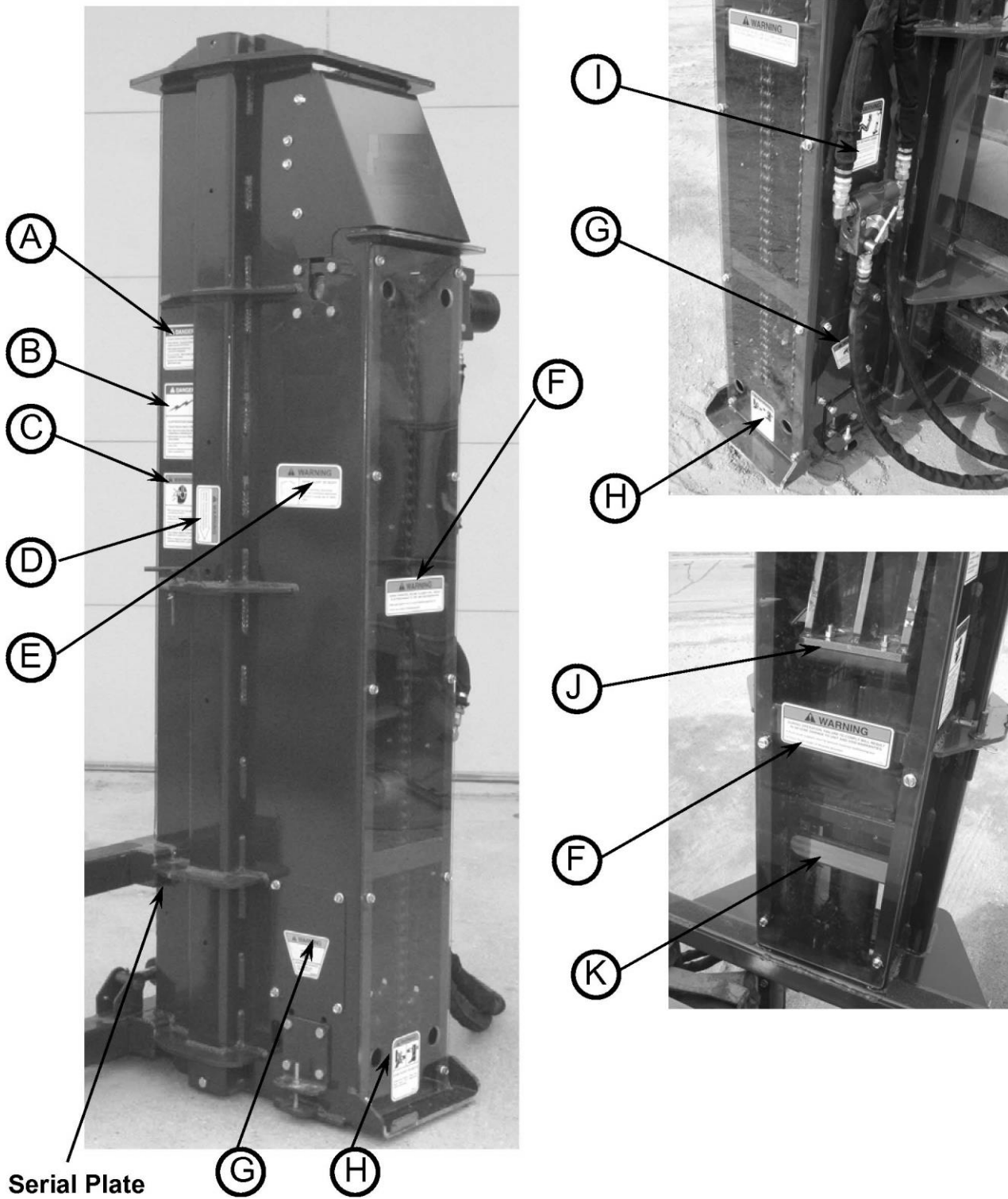
#### Avoid High Pressure Fluids Hazard

- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Avoid the hazard by relieving the pressure before disconnecting hydraulic lines.
- Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks. Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.

# SERIAL NUMBER AND SAFETY DECAL LOCATIONS

## Serial Number Location:

It is important to refer to the serial number of the Post Driver when making repairs or ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use different procedures in doing a specific operation.



# SERIAL NUMBER AND SAFETY DECAL LOCATIONS



Part Number: 313391  
Location: On right side  
Quantity: 1



Part Number: 313393  
Location: On right side  
Quantity: 1



Part Number: 313393  
Location: On right side  
Quantity: 1



Part Number: 313394  
Location: On right side  
Quantity: 1



Part Number: 320359  
Location: On right side  
Quantity: 1



Part Number: 103206  
Location: On each side  
Quantity: 2



Part Number: 313390  
Location: On front and back clear shields  
Quantity: 2



Part Number: 203234  
Location: On front clear shield  
Quantity: 1



Part Number: 200001  
Location: By valve block  
Quantity: 1

J and K : Yellow Reflectors  
Part Number: 300245  
Location: On Collar and Hammer Stop  
Quantity: 1 of each

L : Part number: 202153 (Anti-skid tape 2 x 16)  
Location: On top bar of mounting plate  
Quantity: 2

## USERS INSTRUCTIONS FOR MOUNTING THE POST DRIVER



3. Use the steps, safety treads, and grab handles to get on and off the loader and Post Driver.
2. Sitting in the operator's seat, lower seat bar and fasten the seat belt.



3. Drive the loader to the rear of the Post Driver. Put the loader quick attach coupler into the Post Driver mounting bracket.
4. Tilt the loader coupler backward a small amount until it is fully engaged in the Post Driver mounting bracket.
5. Stop the engine and engage the parking brake.



6. Secure the coupler locking mechanism that attaches the Post Driver to the loader.



**WARNING:** *Coupler wedges or pins must extend through the holes in attachment. Levers must be fully down and locked. Failure to secure wedges or pins can allow attachment to come off and cause injury or death.*



# USERS INSTRUCTIONS FOR MOUNTING THE POST DRIVER

**NOTE:** Attachment is shipped with 12FJX (1- 1/16" Female JIG Swivel) fittings on the ends of the lead hoses.

7. Connect the hydraulic quick couplers from the Post Driver to the loader.

**NOTE: Make sure the quick couplers are fully engaged.** If the quick couplers do not fully engage, check to see that the couplers are the same size and brand. **Do not force the quick couplers together.**

If the quick couplers will not connect together due to thermal expansion of the fluid in the hoses, stop the engine and activate the auxiliary hydraulic control to relieve the pressure.

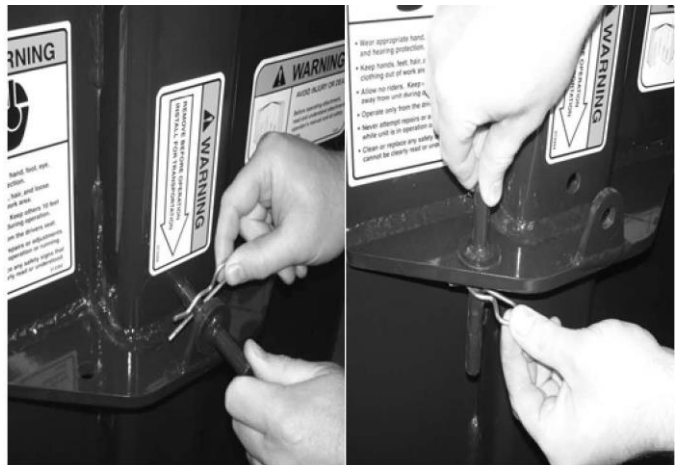
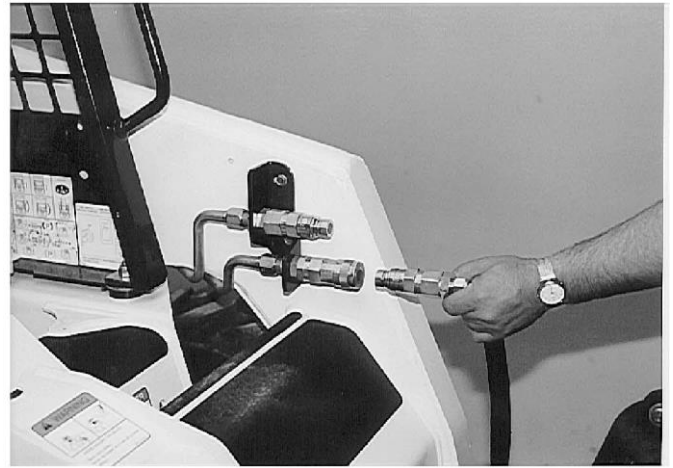
**NOTE:** See the loader operation and maintenance manual.

**NOTE: Make sure the hoses are properly routed to fit your specific loader.** If the hoses are not routed correctly, hoses may get pinched or rub on tires. Be sure to check the hose routing through the full range of intended motion of the attachment before operating it.

More than one routing may be acceptable depending on the loader. Pick the routing that best suits your loader.

**PROPER HOSE ROUTING IS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR. PINCHED OR STRETCHED HOSES ARE NOT COVERED UNDER WARRANTY**

8. Remove the Transport Hammer Lock Pin. Attach pin in hole in gusset plate for safe keeping. Whenever Post Driver is transported this lock pin needs to be put back in original location to hold the hammer from moving.
9. Mounting is now complete and you are ready to use the Post Driver. Use reverse order of above instructions to dismount the Post Driver from the loader.



## OPERATING THE POST DRIVER



**WARNING:** *DO NOT* operate from any position except seated in the operator's seat with •• the seat belt fastened. *DO NOT* permit riders.



**WARNING:** AVOID INJURY OR DEATH. *The operator must be observant of the surroundings before raising and/or operating the Post Driver. Make sure there are no power lines above you. Make sure the slope of a side hill is not too great to cause a roll over.*



**CAUTION:** *Do not operate the Post Driver at excessive speeds. Utilize the flow control valve as needed. The range is 1 to 10 with 1 being the slowest so start with a setting of 5. Severe damage will occur if the speed of the motor is greater than the speed of the hammer dropping to contact post.*

With the operator in the seat of the loader, the seat belt fastened and the seat bar lowered (if so equipped), start the engine.

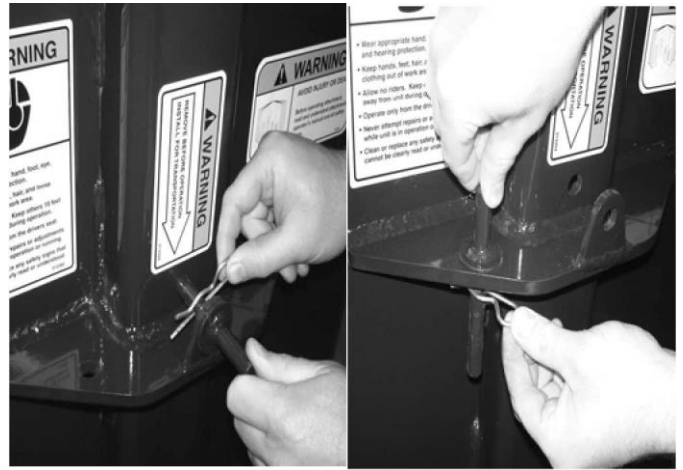
**Call Before You Dig**  
**1-888-258-0808**



**WARNING:** AVOID INJURY OR DEATH. *Always call before you drive posts into the ground. When you call, you will be directed to a location in your state/city for information about buried lines (electric, telephone, cable TV, water, sewer, gas, etc.).*

# OPERATING THE POST DRIVER

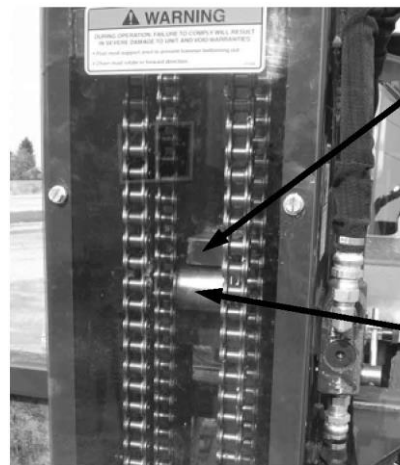
**IMPORTANT:** Make sure the Transport Hammer Lock Pin is removed.



**IMPORTANT:** Damage may occur. Do not run motor backwards. The chain must run in the direction that lifts the hammer up.

**NOTE:** Maximum engine RPM is not required or recommended to run the Post Driver efficiently. Operator experience will help you determine the best speed at which to run the Post Driver.

**IMPORTANT:** DO NOT use high flow hydraulics to run the Post Driver if loader is equipped.



**Hammer lift finger.**

**Lift link will travel upwards when lifting the hammer.**

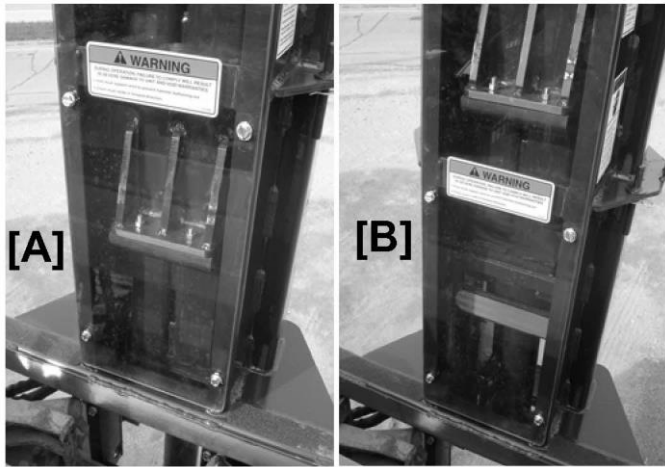
**NOTE:** Depending on ground conditions and post size, the post may go down into the ground 1" to 16" per hit.

**IMPORTANT:** Damage may occur. Do not allow the hammer to bottom out on the frame while driving posts.

Picture shows the hammer in the bottomed out position.



# OPERATING THE POST DRIVER



**IMPORTANT:** *Damage may occur. Maintain at least 12" of post engagement into the Post Driver at all times as shown in Picture [A].*

**NOTE:** *Good operating practice for post engagement is shown in Picture [B].*



**NOTE:** *Driving posts require two people: An operator in the loader and an assistant to handle the posts.*

Determine the desired location for the post to be driven into the ground. Have the assistant hold the post upright and the operator will raise the Post Driver above the post and slowly drive forward over the post.



The assistant will guide the post into the Post Driver collar as the operator slowly lowers the Post Driver onto the post. The assistant backs away from the Post Driver at least 10ft.

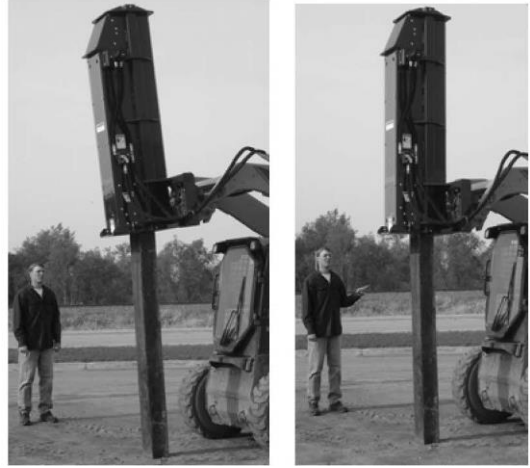
The operator will lower the Post Driver so the hammer is pushed up at least 24" by the post. The assistant will use hand signs to aid the operator in achieving a plumb Post Driver and post.

# OPERATING THE POST DRIVER

**NOTE:** Take time to get the post plumb before you start driving the post.

The assistant will signal the operator to get the Post Driver vertical in his view by having the operator adjust the roll out of the loader.

The operator will be able to turn the loader left or right to adjust the post side to side to achieve a vertical position. The operator should use the tilt function to make the post driver plumb.



The assistant will signal operator to drive the Loader forward or backward to adjust the post front to back to achieve a vertical position.

Now that the post is plumb you may begin driving the post into the ground.

Drive the post until the Post Driver needs to be lowered to maintain the 12" minimum post engagement with the Post Driver.



Stop the Post Driver motor. Lower the Post Driver so the post engagement is approximately 24".

Repeat the procedure for achieving a plumb post.

Continue driving posts.

Repeat this process until the post is driven into the ground to the desired height.

**IMPORTANT:** Damage may occur. Always travel with the hammer in the bottomed out position when not driving posts.



# ROUTINE POST DRIVER MAINTENANCE





It is the operator's responsibility to make daily inspections of the loader and attachment for damage, loose bolts, fluid leaks, or anything else that could cause a potential service or safety problem. Preventive maintenance is the easiest and least expensive type of maintenance.

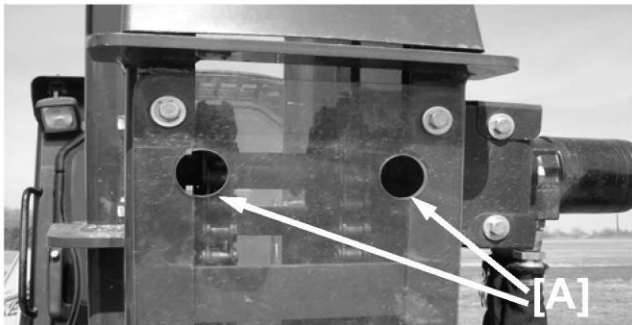
**IMPORTANT:** *Bolts and set screws can loosen after initial usage. After the first hour of operation check all bolts and set screws.*



**WARNING:** *Lower the Post Driver to rest on the skid plates, shut down the engine, relieve the hydraulic pressure to the Post Driver, wait for all motion to stop, and set park brake before leaving the operator's seat to perform service of any kind.*

## LUBRICATION

<b>Lubrication Legend</b>	 Multipurpose spray lube	 No. 2 Lithium base gun grease	 Clean engine oil	 50 intervals at which lubrication is required





Use No. 2 lithium base gun grease when lubricating all Post Driver grease fittings.

Grease the (2) top bearings [A] of the lift chain through the clear shield access holes after every **40 hours** of operation.

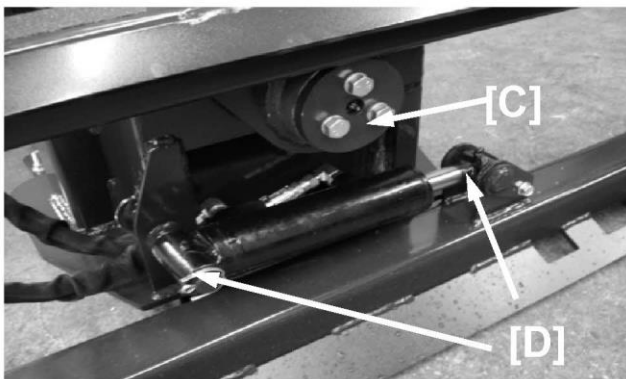


Grease the (2) bottom bearings [B] of the lift chain through the clear shield access holes after every **40 hours** of operation.

	
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**WARNING:** *These are requirements. It is the responsibility of the owner/operator to make sure the attachment is serviced on a daily basis. Improper maintenance can cause extensive damage to the attachment and/or your equipment.*



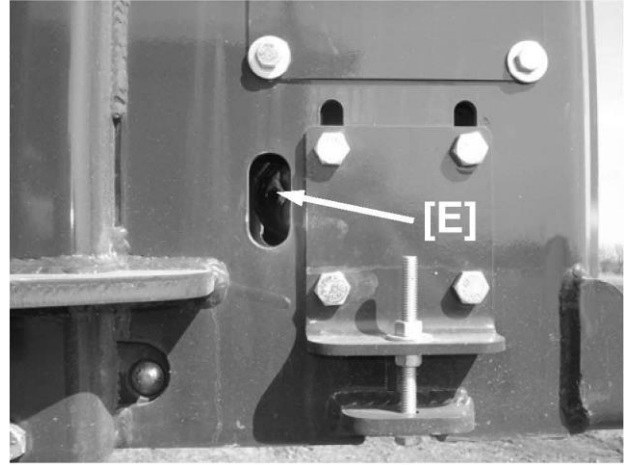
Grease the main pivot joint [C] and the (2) cylinder pins [D] after every **40 hours** of operation.

# ROUTINE POST DRIVER MAINTENANCE

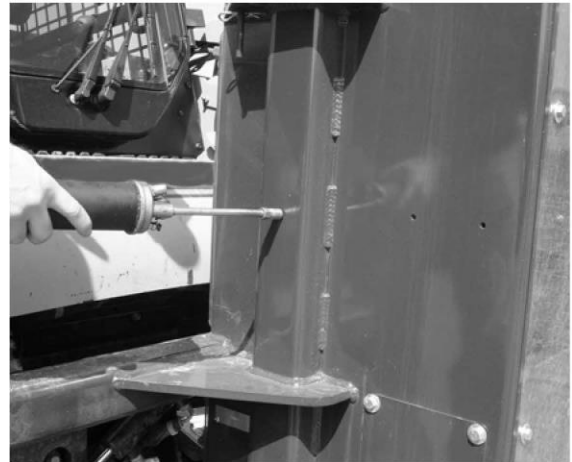
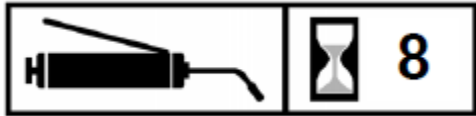
## LUBRICATION (continued)

Grease the chain lift link bushing [E] through the side plate access hole after every **8 hours** of operation.

**NOTE:** To line up the chain lift link grease zerk to the access hole the following procedure needs to be done. Energize the motor hydraulics in the forward direction and run until the hammer is being lifted up. **Stop Post Driver motor.** The hammer will go back down by itself until it rests on the hammer stop. The chain lift link grease zerk is now in the access hole and can be greased.



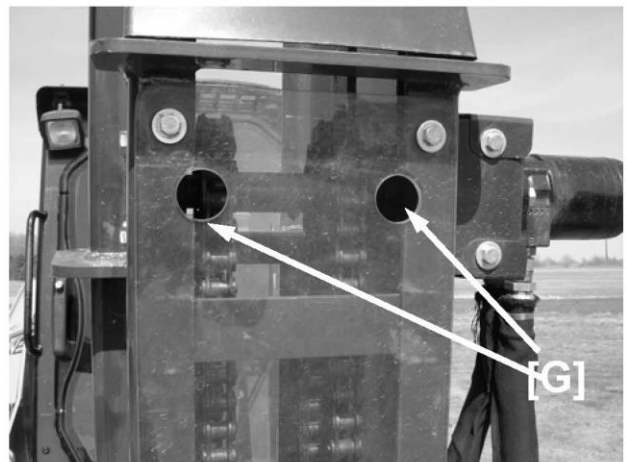
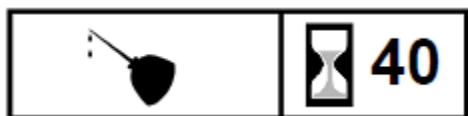
Grease the hammer guide channels [F] through the side plate access holes after every **8 hours** of operation. The hammer needs to be located behind the hole for the grease to spread out properly in the channel.



Use clean engine oil on the lift chains [G] after every **40 hours** of operation.

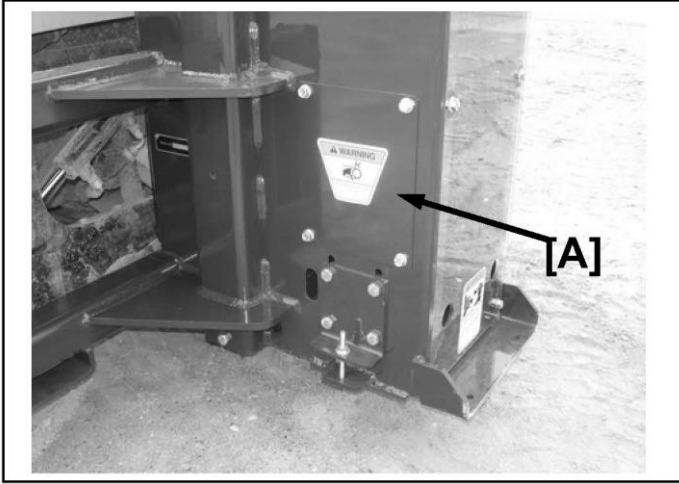
**IMPORTANT:** Damage may occur. Do not dry fire the Post Driver to oil the chains.

Oil the chains through the clear shield access holes while the operator slowly engages the motor to turn the chains.



# ROUTINE POST DRIVER MAINTENANCE

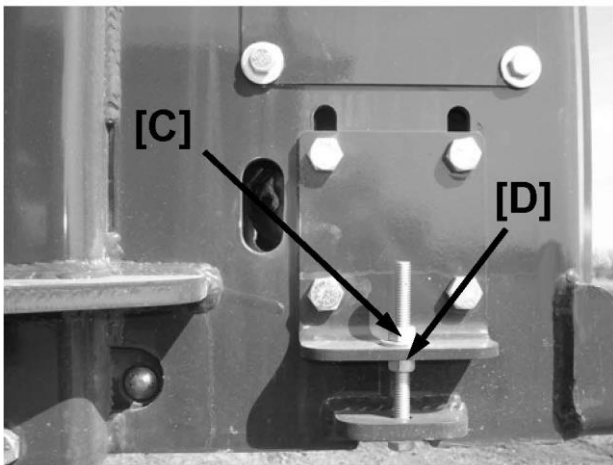
## LIFT CHAIN ADJUSTMENT



Remove the (2) top bolts securing the lift chain cover. Loosen the (2) bottom bolts of the cover. Remove the cover [A]. Repeat on other side of Post Driver.



Loosen the (4) bolts on the flange bearing slide [B]. Repeat on the other side of Post Driver.



Loosen the bottom [D] jam nut in order to turn the top [C] jam nut down to tighten the lift chain. Repeat on the other side of Post Driver. Be sure to tighten both sides equally.

**IMPORTANT:** Do not over tighten lift chains. Tighten only enough to remove slack.

Tighten the bottom jam nut to the top jam nut. Tighten the flange bearing slide bolts. Reinstall the lift chain cover. Repeat on the other side of Post Driver.



# SET UP ASSEMBLY FOR POST DRIVER

## SIZING PROPER COLLAR

The Post Driver has (3) different collar sizes to provide the most effective post driving possible through a wide range of post shapes and sizes.

**Square Collar:** The Post Driver cannot be operated without this collar in place. The inside dimensions of this collar are 8.5" by 9.5". Small posts may be driven with this collar but the post will be difficult to keep plumb.

**NOTE:** *The Collar should have a one half inch of clearance all the way around the post. If the post is tight on the collar damage to the collar may occur.*



**Round Collar:** The inside dimension of this collar is a 6" diameter. This collar is bolted into the Square Collar with (4) bolts.

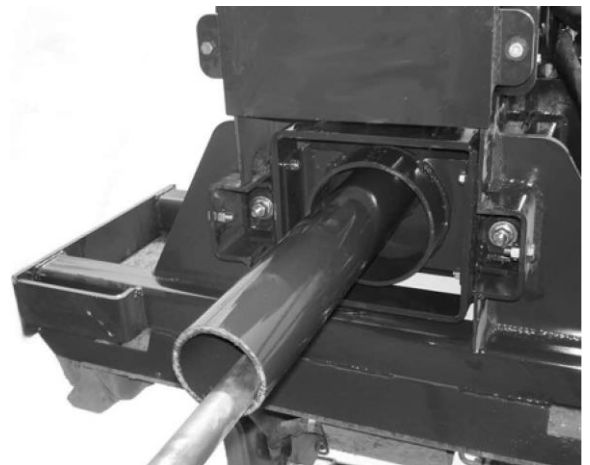
**NOTE:** *The Collar should have a one half inch of clearance all the way around the post. If the post is tight on the collar damage to the collar may occur.*

**IMPORTANT:** *Do not work under a raised Post Driver. Roll out Post Driver so it is horizontal and lower it to the ground and disconnect loader. The collar area is very accessible in this position.*



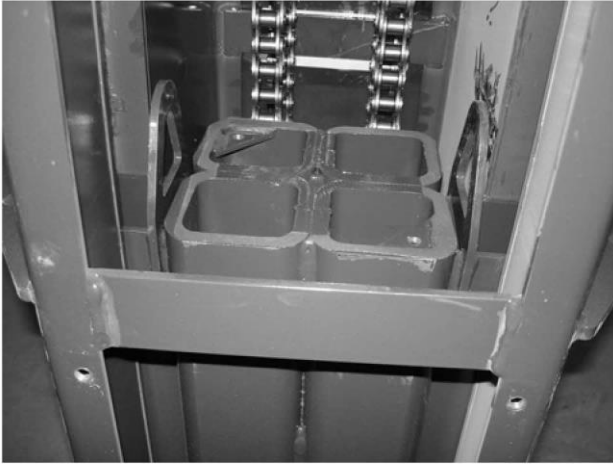
**Tee Post Collar:** This collar does not attach to the Post Driver. The inside dimension of this collar is a 3" diameter. When driving Tee posts this collar prevents the end of the post from mushrooming. The assistant will put this collar over the Tee post and then guide it into the Round Collar of the Post Driver.

**NOTE:** *The Tee Post Collar works best with the Round Collar installed on the Post Driver.*



# SET UP ASSEMBLY FOR POST DRIVER

## BALLAST OPTION INSTALLATION



A Ballast Option is available to add weight to the hammer for driving large posts. You will receive (4) - 50 lb bags of steel shot.

Remove the rear clear shield.

Remove the hammer cover.

Use a funnel to pour the shot into the square tubing of the hammer until each of the four tubes and center cavity are full. You may have a few pounds of shot left over.



Reinstall the hammer cover and clear shield.

# OPERATING POST DRIVER ON SIDE HILL WITH TILT FUNCTION



**WARNING: AVOID INJURY OR DEATH.** *If posts must be driven in areas with side hills extreme care must be taken to avoid tipping during operation.*

**IMPORTANT:** Refer to the Skid Steer Loader owners manual for manufactures recommendations for operation on hilly and/or uneven terrain. Post Driver weighs 1000 lbs without ballast and 1200 lbs with ballast. **The hammer is raised during operation making the Post Driver top heavy.**

**Always keep the Post Driver in a low position when moving from post to post.**

The Post Driver has the capability to tilt up to 18° in either direction. This does not imply that all Skid Steer Loaders will be able to drive a post on an 18° side hill. Use extreme caution when raising the Post Driver above the post and when the hammer is raised during operation.

## OPERATING THE TILT FUNCTION

Theory: This post driver is equipped with an electrically actuated diverter valve which can send oil to one of two paths. The primary (default) path is to the hydraulic motor that raises the hammer. The secondary path is to the tilt cylinder.

**Skid Steer Loader controls vary from machine to machine.** Read the loader operating instructions to become familiar with the loader control functions. Certain loaders may require a special harness jumper wire to operate correctly.

### To Operate Tilt:

1. Stop auxiliary hydraulic flow.
2. **Push and HOLD** the button that energizes the diverter valve. (usually on left handle)
3. Momentarily operate auxiliary hydraulic flow in forward or reverse direction to achieve desired tilt angle.
4. De-energize the diverter valve.
5. Resume normal operation.

**IMPORTANT:** Do not attempt to tilt while driving a post. Always stop hydraulic flow before operating tilt function.



**PUSH AND HOLD TO ENERGIZE DIVERTER**

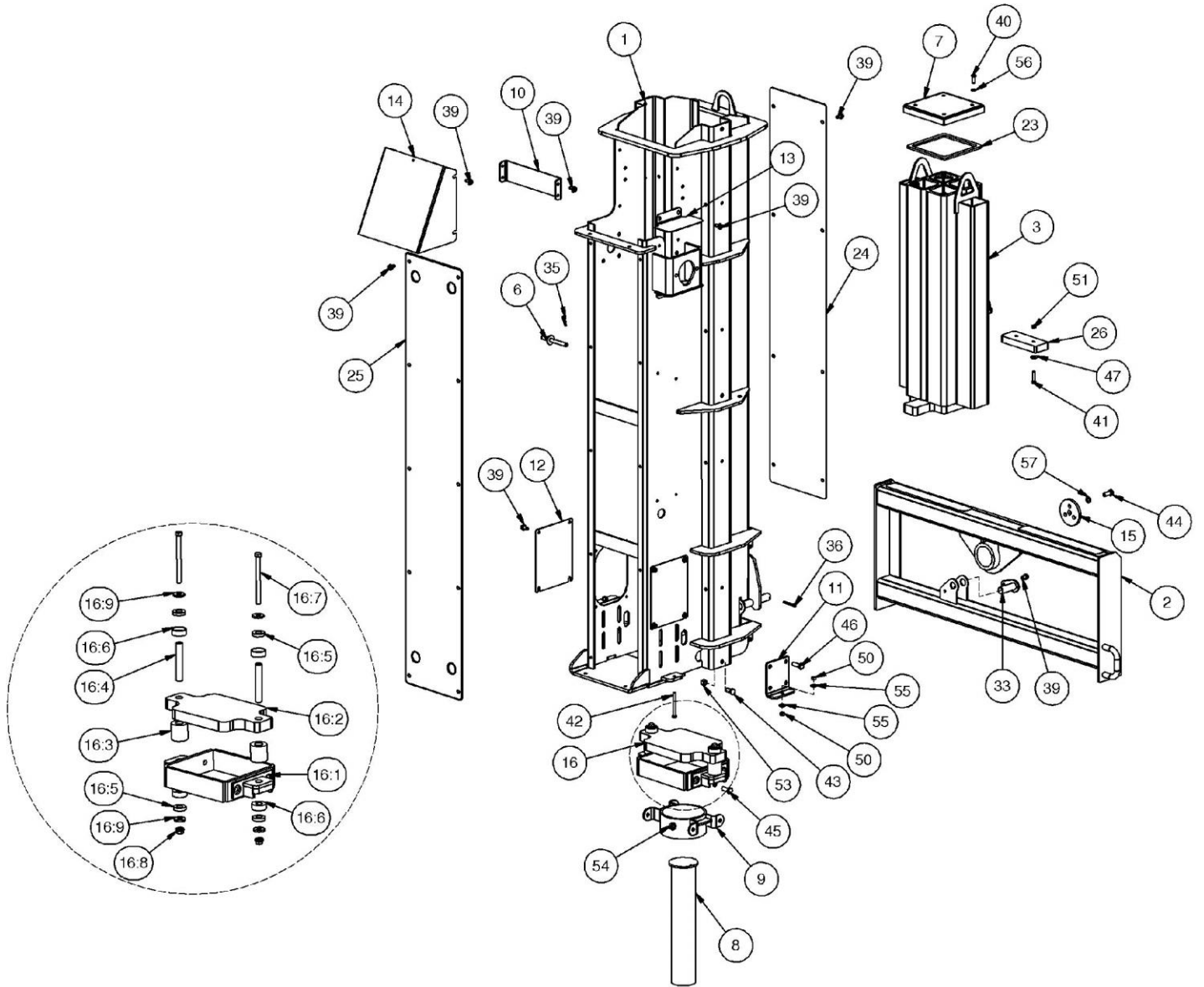


**PUSH AND HOLD TO ENERGIZE DIVERTER (OPTIONAL PISTOL GRIP HARNESS SHOWN)**



**OPERATE AUXILIARY HYDRAULICS TO TILT 19**

# POST DRIVER PARTS INFORMATION

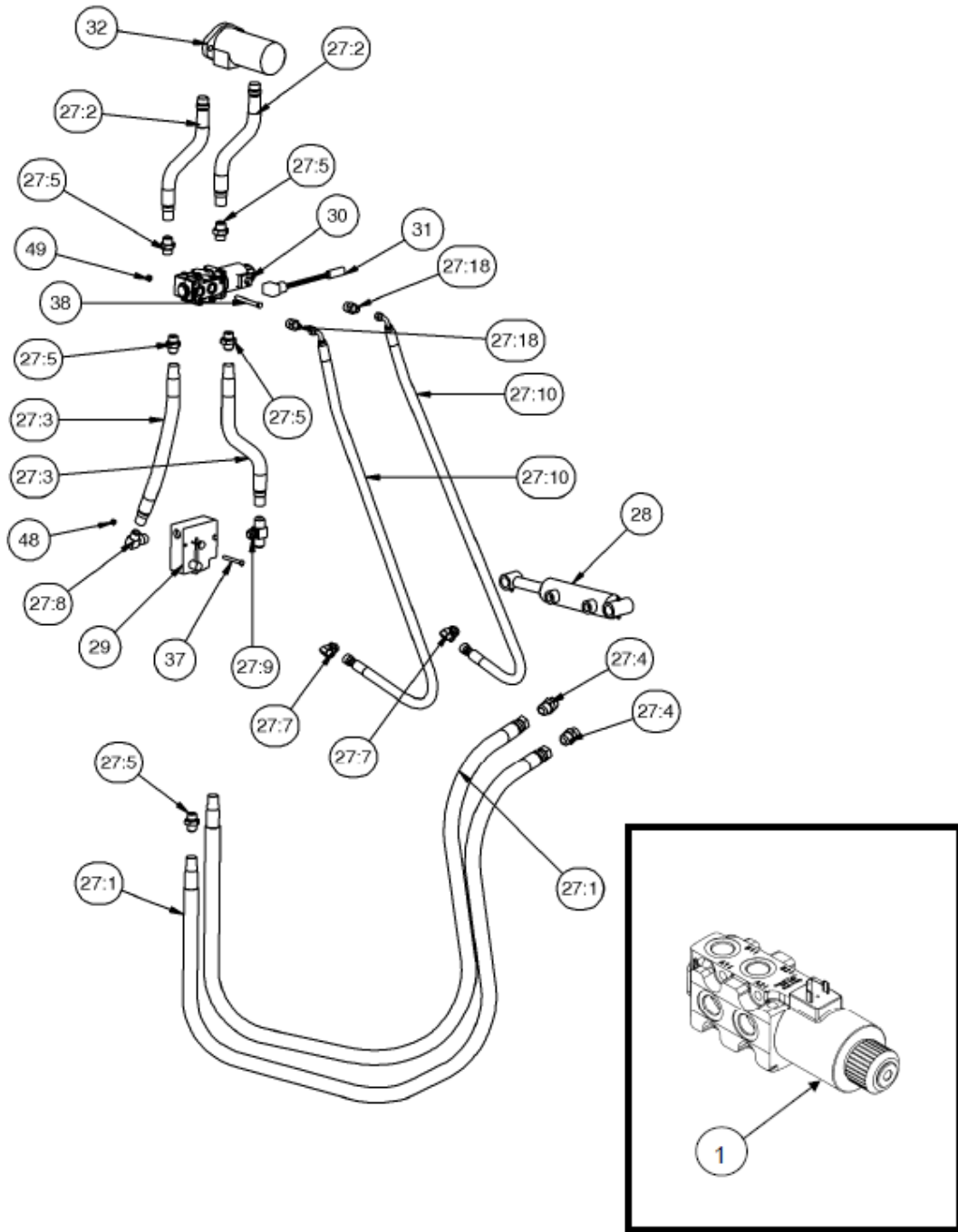


# MAIN ASSEMBLY

REF	PART NO	DESCRIPTION	2ND DESCRIPTION	QTY
1	313463	FRAME TILT W/A		1
2	313465	TILT MOUNT W/A		1
3	313303	HAMMERW/A		1
6	313312	HAMMER CATCH W/A		1
7	313389	PLATE HAMMER COVER W/A		1
8	313306	COLLAR TEE POST W/A		1
9	313309	COLLAR 6" ROUND W/A	NEW STYLE - USE WITH NEW STYLE 313308 ONLY	1
10	313382	PLATE HAMMER STOP PAINTED		1
11	313386	PLATE CHAIN TIGHTENER PNT		2
12	313388	PLATE COVER PAINTED		2
13	313471	PLATE SHIELD MOTOR PAINTED		2
14	313379	PLATE SHIELD TOP PAINTED		1
15	313538	PLATE PIVOT KEEPER PAINTED		1
16	313308	ANVI L COLLAR ASY	NEW STYLE - USE WITH NEW STYLE 313309 ONLY	1
16:1	313301	COLLAR 8.5" X 9.5" W/A		1
16:2	313398	PLATE ANVIL PAINTED		1
16:3	313384	BUSHING COLLAR		2
16:4	313480	TUBE ANVIL BUSHING		2
16:5	313385	WASHER RUBBER		4
16:6	313498	CUP WASHER		4
16:7	15225	BOLT HEX	1/2 X 6 - UNC - GR 8	2
16:8	0167011	NUT FLG TOP-LOCK	1/2 - UNC - GR 8	2
16:9	313321	WASHER .531D X 1.3750D X .199		4
23	313355	SEAL HAMMER COVER		1
24	313352	SHIELD REAR		1
25	313354	SHIELD FRONT		1
26	313380	BUMPER STOP		1
33	313460	PIN 1 X 2.5		1
35	200064	PIN CLIP	PIN CLIP #11 1/8 X 2-5/8	1
36	65127	PIN COTTER 3/16 X 2		1
39	32467	BOLT FLG THRD RLNG	3/8 X 3/4 - UNC - GR 5	39
40	103116	BOLT HEX	3/8 X 1 - UNC - GR 5	4
41	103879	BOLT HEX	3/8 X 1.5 - UNC - GR 5	2
42	13819	BOLT HEX	3/8 X 3.5 - UNC - GR 5 FULL THD	2
43	13205	BOLT HEX	1/2 X 1 - UNC - GR 5	2
44	13207	BOLT HEX	1/2 X 1.25 - UNC - GR 5	11
45	15207	BOLT HEX	1/2 X 1.25 - UNC - GR 8	4
	21817	BOLT CARRIAGE	3/8 X 1 - UNC - GR 5 - OLD STYLE ONLY	4
46	13209	BOLT HEX	1/2 X 1.5 - UNC - GR 5	8
47	33008	WASHER FLAT	3/8 - USS - GR 5	2
50	36306	NUT HEX	3/8 - UNC - GR 5 - REG	4
51	37212	NUT HEX	~8-UNC-GR5-REVLOCK	2
53	37214	NUT HEX	1--UNC-GR5-REVLOCK	18
54	0167011	NUT FLG TOP-LOCK	1/2 - UNC - GR 8	4
55	33006	WASHER FLAT	5/16 - USS - GR 5	6
56	103880	WASHER LOCK	0.375 - GR 5	4
57	33626	WASHER LOCK	0.5 - GR 5	5

# POST DRIVER PARTS INFORMATION

5.



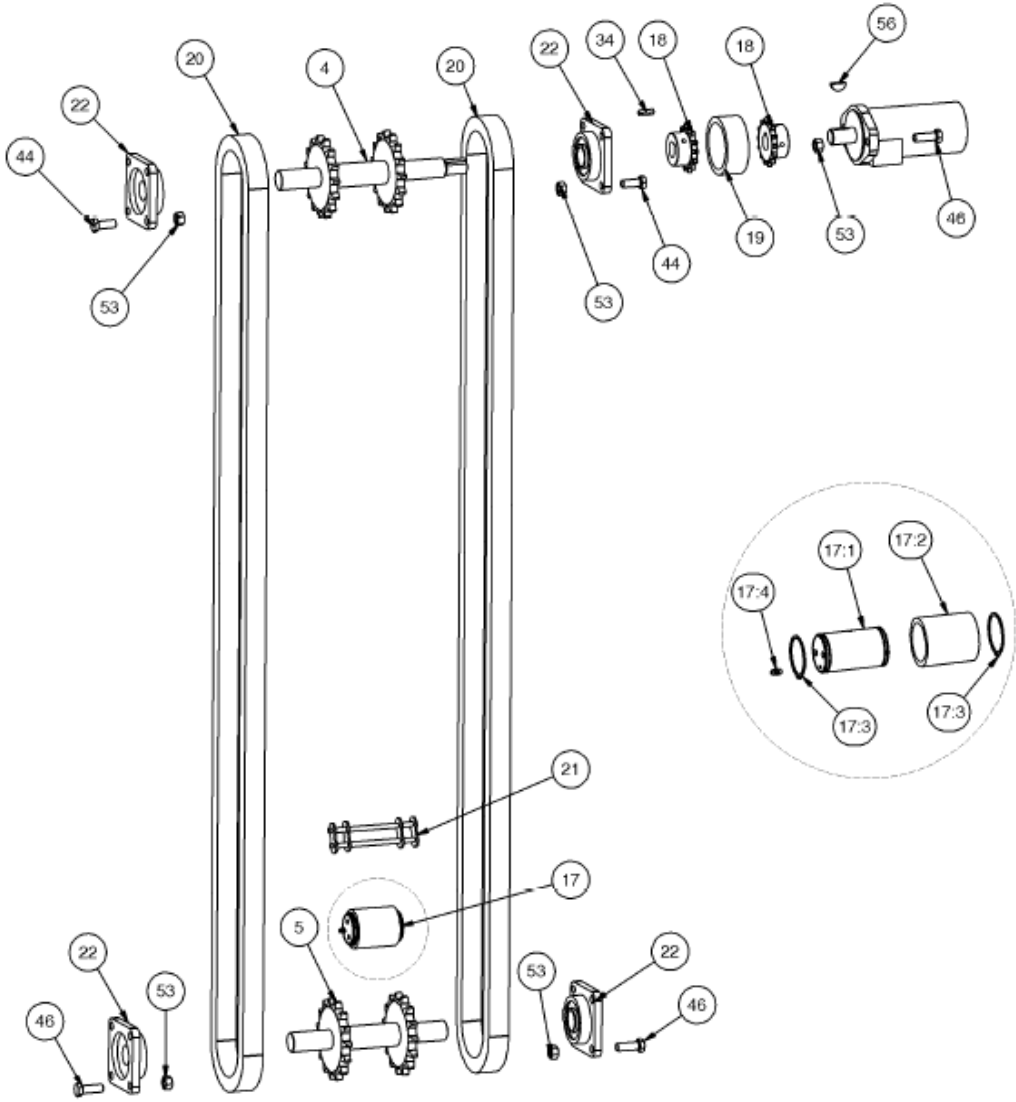
## HYDRAULIC ASSEMBLY

REF.	PART NO.	DESCRIPTION	2ND DESCRIPTION	QTY.
27	313490	HOSE KIT POST DRIVER TILT		1
27:1	313396	HOSE 5/8 X 82 12FJX-10FJX		2
27:2	313486	HOSE 5/8 X 15 10FJX-10MB		2
27:3	313488	HOSE 5/8 X 16.5 10FJX-10FJX		2
27:4	103431	ADPT STRAIGHT	12MB-12MJ	2
27:5	201852	ADPT STRAIGHT	10MB-10MJ	5
27:7	320089	ADPT ELBOW	8MB-6MJ-90	2
27:8	320144	ADPT ELBOW	10MB-10MJ-90	1
27:9	300235	ADPTTEE	10MJ-10MJ-10MB	1
27:10	313489	HOSE 3/8 X 54 6FJX-6FJX90		2
27:18	320659	ADPT RESTRICTOR	10MB-6MJ-.030"	2
28	400074	CYLINDER 2 X 4		1
29	313311	VALVE FLOW CONTROL		1
30	313467	VALVE 6-WAY		1
31	313468	WIRE ADAPTER DIN		1
32	313325	MOTOR HYD		1
37	13013	BOLT HEX	1/4 X 2.5 - UNC - GR 5	2
38	13066	BOLT HEX	5/16 X 3-1/4 - UNC - GR 5	2
48	37210	NUT HEX	1/4 - UNC - GR 5 - REV LOCK	2
49	37211	NUT HEX	5/16 - UNC - GR 5 - REV LOCK	2

## POST DRIVER HYDRAULIC VALVE ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
	313467	VALVE - 6-way DDD	1
1	313482	COIL -12V DC NIMCO	1
	313472	COIL -12V DC WALVOIL (OLD STYLE)	1

# POST DRIVER PARTS INFORMATION

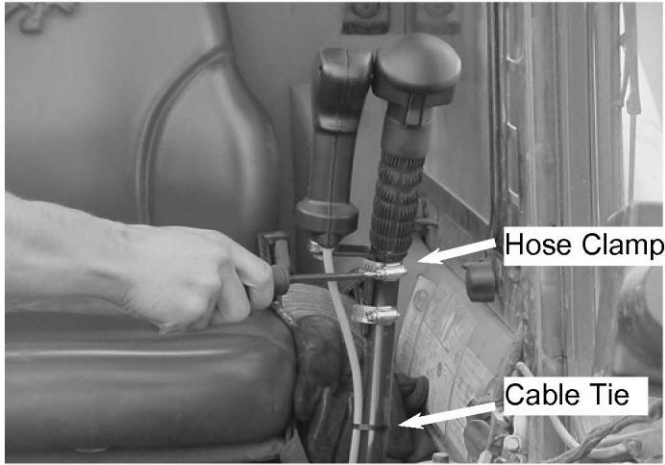




# DRIVE ASSEMBLY

REF.	PART NO.	DESCRIPTION	2ND DESCRIPTION	QTY.
4	313302	DRIVE SHAFT W/A		1
5	313304	BOTTOM SHAFT W/A		1
17	313300	CHAIN LIFT LINK ASY		1
17: 1	313360	SHAFT CHAIN LIFT		1
17:2	313356	BUSHING CHAIN LIFT		1
17:3	313333	RING SNAP EXT 2 X .063		2
17:4	60105	STRAIGHT 1/4-28 UNF		1
18	313323	SPROCKET 50B14 X 1 B		2
19	313322	CHAIN Roller NO 50-2X14 <i>CI</i>		1
20	313367	CHAIN Roller NO 80 X 129		2
21	313368	CONN LINK NO 80 X 5		1
22	316011	BRG 1-1/4 SM 4-B FIG	<b>SAF-206-20G</b>	4
34	300251	KEY SQ 1/4 X 1		1
44	13207	BOLT HEX	1/2 X 1-1/4 - UNC - GR 5	8
46	13209	BOLT HEX	1/2 X 1-1/2 - UNC - GR 5	10
53	37214	NUT HEX	1--UNC-GR5-REVILOCK	18
56	100540	KEY WOODRUFF 1/4 X 1		1

# GENERIC WIRE HARNESS INSTALLATION



## Wire Harness Installation

A wire harness is needed to activate the tilt function. If the loader is equipped with an Attachment Control package, the appropriate harness should be installed from the factory.

If the Post Driver was ordered with the optional Pistol Grip Control Harness, follow these instructions:

1. Install the control handle on either steering level, whichever you prefer, with (2) hose clamps.

**IMPORTANT: *The control handle bracket can be positioned several different ways. We recommend it be positioned as shown.***

1. Put a cable tie around the wiring harness and the steering lever.
2. Install the wire harness receptacle bracket on either the loader arm or near the hydraulic quick couplers.

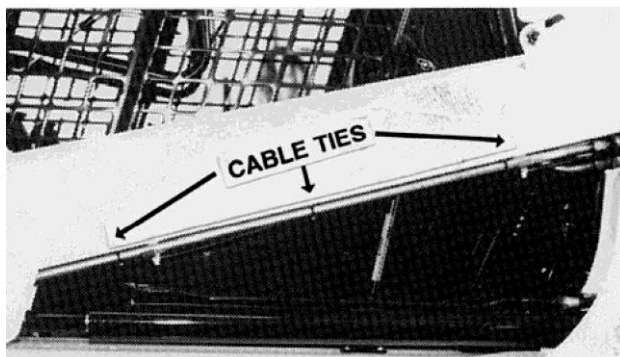
**IMPORTANT: *It may be necessary to make an adapter bracket in order to attach the wire harness to the loader.***

4. Route the wire harness back along the tube lines on the loader arms and fasten with cable ties.



# GENERIC WIRE HARNESS INSTALLATION

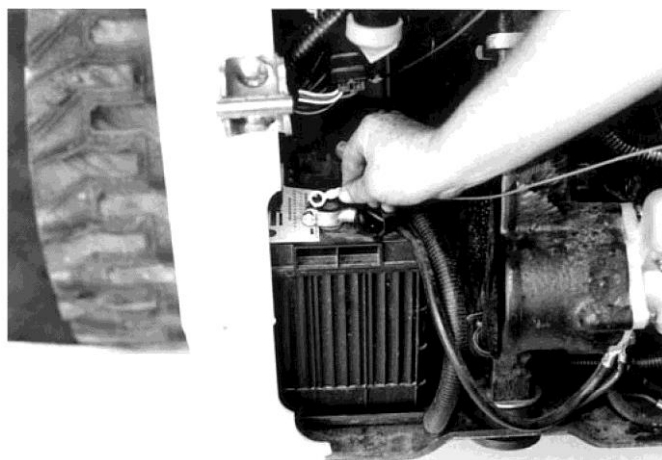
5. Open the rear door. Pull the excess wire harness into the engine compartment.
6. Raise the operator cab. (See loader operation and maintenance manual for the correct procedure.)



7. Connect the red fused wire to the positive battery terminal or to a suitable accessory wire with a minimum rating of 5 amps. Route the wiring along the Loader main frame toward the front of the Loader.

Connect the black wire from the harness to a frame ground.

8. Fasten the control handle wire harness connector to the main wire harness connector.



**NOTE:** Secure the wire harness in place with plastic cable ties, making sure it is clear of extra hot areas or any moving parts on the engine or loader.

9. Lower the cab. (See loader operation and maintenance manual for the correct procedure.)

**NOTE:** Be sure the control handle wire harness is properly positioned as the cab is lowered.

For operating instructions, see page 19.

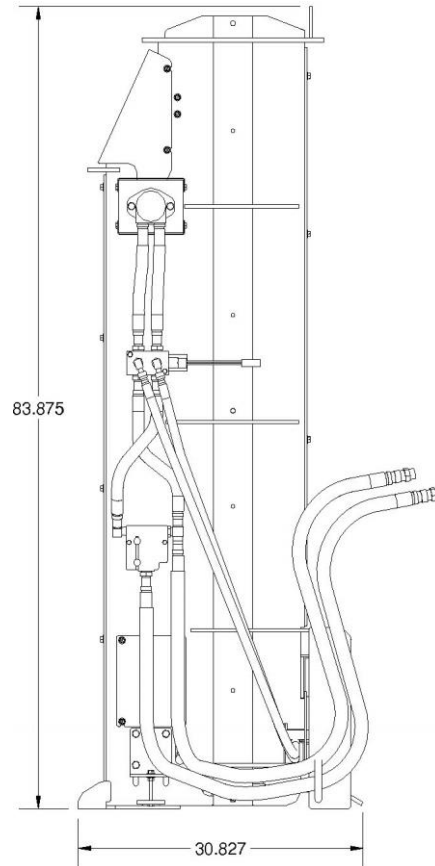
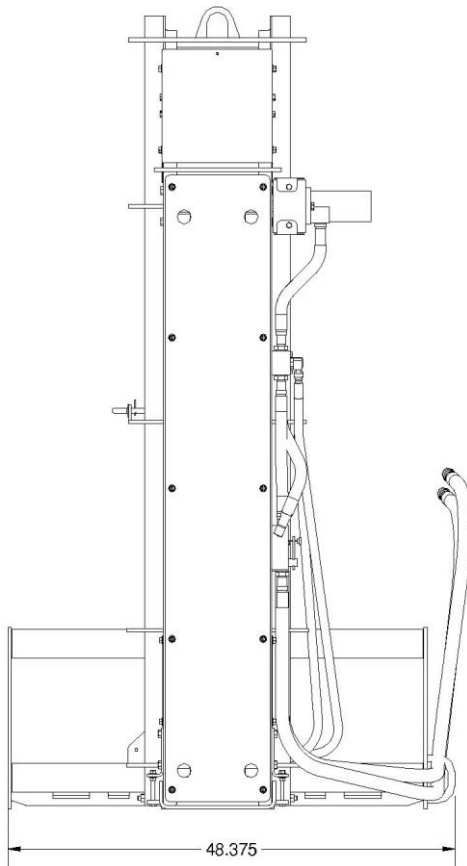


# NOTES

# NOTES

# POST DRIVER GENERAL SPECIFICATIONS

Overall Width	48.375"
Overall Height	83.875"
Overall Length	30.827"
Tilt (Both left and right)	18°
Post Size (Max)	8" x 9"
Post Size (Min)	"T" Post
Post Length (Max)	9 ft (depends on skid steer)
Post Driven Height (Min)	8" Above Ground Level
Hammer Weight	330 lbs
Hammer Weight w/ Ballast Option	520 lbs
Length of Hammer Stroke (Max)	57"
Blows per Minute (Max)	40
Hydraulic Requirements (Min)	10 GPM / 1,500 psi
Overall Weight	1000 lbs w/o Ballast



All dimensions are in INCHES.

## **LIMITED WARRANTY**

Spartan Equipment warrants each new machine manufactured by us to be free from defects in material and workmanship for a period of twelve (12) months from date of delivery to the original purchaser.

Our obligation under this warranty is to replace free of charge, at our factory or authorized dealership, any part proven defective within the stated warranty time limit.

All parts must be returned freight prepaid and adequately packaged to prevent damage in transit.

This warranty does not cover:

1. New products which have been operated in excess of rated capacities or negligence
2. Misuse, abuse, accidents or damage due to improperly routed hoses
3. Machines which have been altered, modified or repaired in any manner not authorized by our company
4. Previously owned equipment
5. Any ground engaging tools in which natural wear is involved, i.e. tooth tips, cutting teeth, etc
6. Normal maintenance
7. Fork tines
8. Hydraulic motors that have been disassembled in any manor

In no event will the Sales Representative, Dealership, Spartan Equipment, or any other company affiliated with it or them be liable for incidental or consequential damages or injuries, including but not limited to the loss of profit, rental or substitute equipment or other commercial loss. Purchaser's sole and exclusive remedy being as provided here in above.

Spartan Equipment must receive immediate notification of defect and no allowance will be made for repairs without our consent or approval.

This warranty is in lieu of all other warranties, express or implied by law or otherwise, and there is no warranty of merchantability or fitness purpose.

No agent, employee, or representative of Spartan Equipment has any authority to bind Spartan Equipment to any warranty except as specifically set forth herein. Any of these limitations excluded by local law shall be deemed deleted from this warranty; all other terms apply.

This warranty may not be enlarged or modified in any manner except in writing signed by an executive officer of Spartan Equipment to improve its products whenever it is possible and practical to do so. Spartan Equipment reserves the right to make changes and or add improvements at any time without incurring any obligation to make such changes or add such improvements to products previously sold.

Spartan Equipment  
Joppa, MD 21085  
1.888.888.1085



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