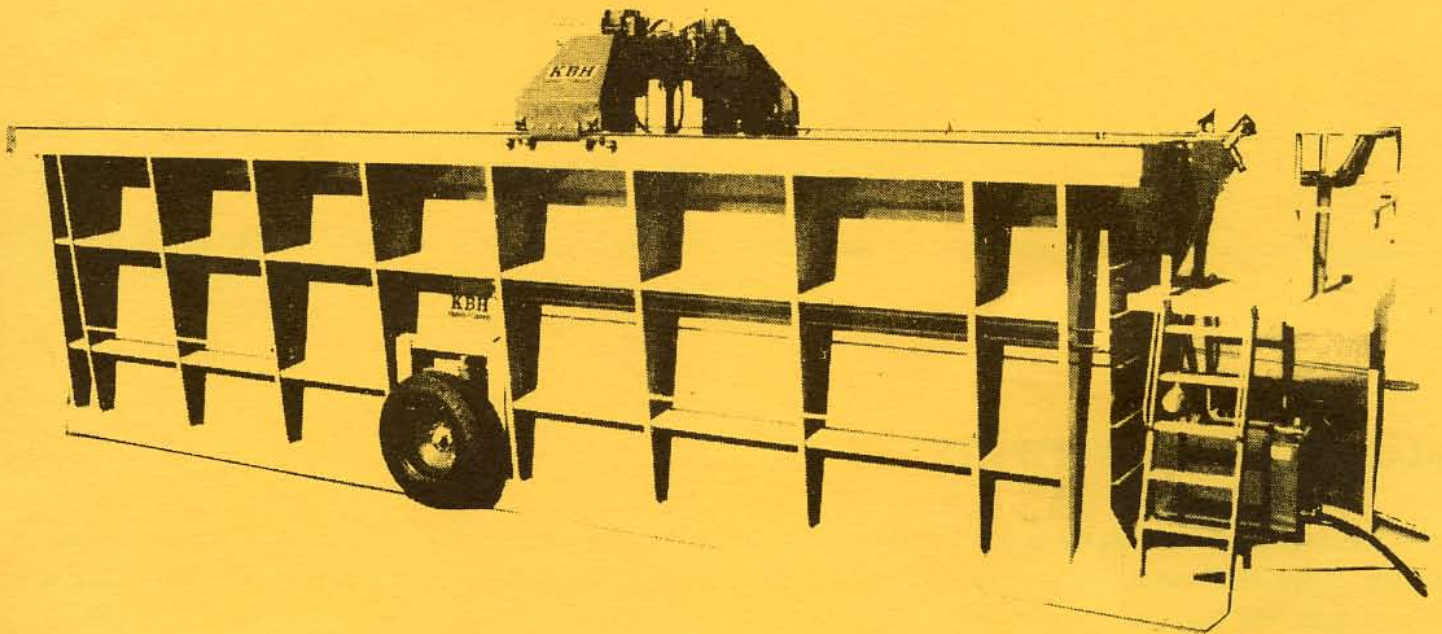


# Farmers who know, use



## Series II

**OWNER'S MANUAL**

**“COTTON HOUSE” MODULE BUILDER**

**THE KBH CORPORATION**

P. O. BOX 670 – 395 Anderson Blvd.

Clarksdale, Mississippi 38614

Telephone: (662) 624-5471

Watts: (800) 843-5241

Fax: (662) 624-6533

**MACHINE IMPROVEMENTS**

The manufacturer reserves the right to make changes and improvements in the products at any time without notice. They shall not be obligated to incorporate such changes and improvements in products previously sold to any customer, nor shall they be obligated to replace previously sold products with products incorporating such changes and improvements.



## **Module Builder Owner's and User's Statement of Responsibility**

I have had explained to me and accept responsibility for the following:

I understand this module builder is a heavy, powerful, and bulky unit of equipment capable of causing injury of death when used improperly. I accept the responsibility associated therewith.

I understand the danger of high voltage power lines in relation to high profile module builder equipment and accept responsibility for its safe use in dangerous surroundings.

I understand the risk associated with modulating seed cotton with excessive moisture content and the heat generated from such modulating of high moisture seed cotton. I agree to assume all responsibility for the manner in which this module builder is used with respect to moisture.

I understand that neither I, any of my workers, nor anyone else should be allowed to work in or under the module builder container area while it is in operation and/or unblocked, unpinned, or unstabilized for any reason.

I understand that the tamper, tamper cylinder, and all cylinder supported components can, and will fall rapidly and without warning, if hoses are disconnected unsafely and/or upon component failure. Therefore, I accept responsibility to avoid and to cause my workers to avoid working in an area or manner that would cause unnecessary risk of injury or death.

I hereby acknowledge that I have been adequately instructed in the safe hitching, pinning, raising, lowering, servicing, and general operation of this module builder and accept responsibility for the same.

I recognize that this list of potential risk and dangers is not necessarily complete and agree to exercise good common sense and judgement in the use of this module builder.

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Date

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### Identification

Record your model and serial number in the space provided below. Your dealer Needs this information to give you prompt, efficient service when you order parts.

DATE PURCHASED \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

## WARNINGS !!!

Read this manual carefully. It will instruct you on how to operate and service your machine safely and correctly. Failure to do so could result in personal injury and/or equipment damage.

1. **DO NOT** unlatch tamping cylinder unless tamper is in lowered position.
2. **DO NOT** operate back door before checking for proper clearance for operation and clearing the area of people.
3. **DO NOT** operate this module builder without familiarizing yourself with the operator's manual.
4. **DO NOT** operate engine RPM over 1300.
5. **DO NOT** move module builder without lowering tamping cylinder.
6. **DO NOT** attempt to pin or unpin wheel transport pins while builder is raising or lowering



## SAFETY PRECAUTIONS

1. Do not park vehicles or place objects within 15 feet of the rear of the Module Builder.
2. All personnel except operator should stand clear of Module Builder during preparation for and movement of Module Builder from one location to another.
3. Keep out of machine when in use.
4. Keep all personnel clear of top of Module Builder and bridge when operating Module Builder.
5. Never unlock tamper cylinder when tamper foot is in raised position.
6. Never operate tamper if tamper cylinder is not in locked position.
7. Do not allow tamper bridge to ram ends of Module Builder.
8. Never transport unit with tamper cylinder in raised position. Make sure tamper bridge is at front of Module Builder and tamper cylinder is in the down (transporting) position.
9. Do not pull unit without first placing safety pins in transporting holes to prevent damage to wheel cylinders, and make sure PTO is disengaged.
10. Do not exceed 1300 tractor RPM or hydraulic pump may be damaged.
11. Pressure gauge was preset at 2000 PSI. Do not exceed this level.
12. Turn on flashing lights when transporting unit on highway unless prohibited by law.
13. Do not operate unit close to high voltage electric lines.
14. No smoking while building, tamping, or handling modules.
15. Never crawl under the builder for any reason.
16. Keep hands away from the bridge area.
17. Use caution in opening rear door. Be certain no one is in the way.
18. Disengage pump when not in operation.



## START UP PROCEDURES

The "COTTON HOUSE" Module Builder was tested at the factory to assure proper operation of the controls and all functional components. The unit comes to you with hydraulic fluid reservoir full and all lubrication points serviced, however, during shipment some components may be damaged or misaligned, this the following start up procedure should be performed now and at the star of each harvest.

1. A. Connect Pump on Module Builder to any tractor with a minimum of 48 H.P., 1000 RPM PTO and a 3 point hitch.  
B. Most **IMPORTANT** is the attachment of the pump to the tractor PTO. The tractor **MUST** have 1000 RPM PTO. Make sure you understand the rotation of the pump and secure to the tractor to prevent it from coming off during operation. Each tractor has a slightly different configuration, and the attachment must be devised to the operator's satisfaction. A little extra time and effort is well spent to achieve a safe placement. Testing, once the attachment is made, should be at a slow PTO rotation. Many hours of successful usage can be expected if these preliminary steps are taken.
2. A. Insert Module Builder draw bar into 3 point hitch of tractor.  
B. Adjust draw bar down and slide into position on tongue of Module Builder and insert pin.  
C. Install a limit stop on draw bar control lever to prevent hitch from accidentally being raised up high enough to strike the pump.



**CAUTION:** Make sure PTO is disengaged before moving Module Builder.

3. A. Start tractor at idle speed.  
B. Engage PTO.  
C. Increase tractor RPM to 1200 RPM. Never exceed 1300 RPM!  
D. Check for hydraulic leaks before proceeding and repair if necessary.  
E. Check hydraulic fluid level in reservoir. If fluid is not visible in sight gauge, add any good non-foaming, non-heating hydraulic fluid.
4. A. From the operator's seat, push down on the valve handle that operated the body until the wheel lift cylinders are completely extended.  
B. The safety pin over each wheel should be removed from the transporting holes and placed in their pin holders.  
C. From the operator's seat, pull up on the valve handle that operates the body and hold until Module Builder is on the ground.
5. A. Pull down on the tamper valve handle and hold to raise tamper cylinder all the way up to the Bridge, tamper cylinder will lock automatically  
B. Raise and lower tamper foot 2 or 3 times to assure tamper foot is moving freely.
6. A. Push and pull bridge valve handle to assure free travel of tamper bridge over entire length of Module Builder. Release bridge valve handle before bridge hits bumpers at either end to prevent damage to unit.

## START UP PROCEDURES

### THE "COTTON HOUSE" MODULE BUILDER IS NOW READY FOR OPERATION



**CAUTION:** If Module Builder is to be transported on roads or under overhead objects, tamper cylinder must be lowered to transporting position. See Step 7. Turn on tractor flashing lights when transporting unit on highway unless prohibited by law.

7. A. Engage PTO and increase tractor RPM to 1200 RPM.
- B. Move tamper bridge to front of Module Builder.
- C. From operators seat, pull down on tamper valve handle. Continue holding tamper handle down as you pull tamper latch lever down. Now, push up on the tamper valve handle until tamper cylinder has come to rest in its lowest position, then release handle.
- D. Lower wheel units and insert transporting safety pins into transporting holes.
- E. Disengage PTO. Raise tongue and Module Builder is ready to transport.





# GENERAL OPERATING PROCEDURE

## INTRODUCTION TO COTTON MODULING

The cotton Moduling system is the most effective cotton handling system yet developed for harvesting, handling, storing and transporting seed cotton from the field to the gin.

The major advantage to the grower is maximum utilization of his harvesters with a minimum of field labor and quicker completion of harvesting operations because trailer shortages becomes a secondary problem.

The major advantage to the ginner is operating the gin at a constant, steady rate and increased volume without grower pressure for release of trailers.

A common advantage, often overlooked, to the ginner and grower is field storage of cotton as opposed to congested gin yard storage.

## MODULE SITE

Careful planning and consideration should be used in selecting the site for your modules and in preparing the site for your modules. This will allow you to store your modules in the field for quite some time.

Your turnrow site should be level and graded to allow for good drainage and prevent moisture damage. If the site is large enough, center the unit for dumping into either side and turn it along the downwind side to prevent losing cotton during dumping and to minimize scattering.

In areas of heavy rainfall, do not leave modules where they are not accessible to transporting equipment. If possible, angle the modules or alternate them to leave accessibility to each module in case of overheating in the module.

## MODULE GUIDELINES

Seed cotton with a moisture content greater than 12% should not be stored in a module or overheating can occur. If temperature inside module reaches 120 the module should be ginned immediately. Most modules will reach 90 to 110 in three to four days, then start dropping; however, arrangements should be made with ginner to immediately gin any modules that heat up higher than 110 . If the cotton is dry enough and is stored for 3 weeks or longer a grade increase is possible so don't module cotton too wet or green unless you gin it within 2-3 days.

## MODULE BUILDING

Your "COTTON HOUSE" Module Builder will easily accommodate 2-4 row harvesters in 1 ½ bales per acre yield cotton without adversely affecting the efficiency of the modeling system. The number of harvesters that can dump into one Module Builder will vary according to harvester capacity and yield per acre but too many harvesters will result in undesirable waiting time to dump and not enough time for the operator to sufficiently tamp the cotton.

Approximately three dumps should be made before leveling and tamping is necessary. It is recommended to dump one basket at the front, one at the back and the third in the middle. The cotton may now be leveled by lowering the tamper slightly lower than the high cotton level and then traversing the tamper bridge forward and backwards, mobbing the cotton to a relatively level position. Avoid dragging large rolls of cotton to prevent balls of cotton which are difficult to tamp, and to prevent damage to the tamper guides. Spacing the dumps along the length of the Module Builder will eliminate undue spreading and leveling.

Once the cotton is level, start the tamping action. Tamp all the way down, raise tamper, move bridge approximately 18 inches and tamp. Continue this process repeatedly throughout the filling of the Module Builder. Special care and extra tamping should be given to the four foot at each end to assure firmness and prevent damage to the module during loading and unloading. After the final dump in the Module, level the cotton and tamp the full length with enough force to raise the builder slightly off the ground for maximum compaction.

Be sure your module is firm and has no low spots to hold moisture. If possible, make module slightly higher in center to facilitate shedding water in rain. In rainy areas, covering module is suggested, but be careful that water does not collect in low areas.



## GENERAL MAINTENANCE

1. Lubricate 4 bolt flange bearing before operating unit at beginning of each session. Lubricate periodically throughout the season.
2. Change hydraulic fluid filter at beginning of each season and midway through the season.
3. Hydraulic fluid level should always be visible in sight glass. If not, add any good grade hydraulic fluid that is non-foaming and non-heating.
4. Lubricate wheel lift assemblies every 7-10 days during season.
5. Check wheel assembly periodically and remove excess debris.
6. Periodically check to assure all bolted connections are tight.
7. Wheel bearings were greased at the plant but it is recommended that they be checked each season and packed if necessary.

## STORAGE

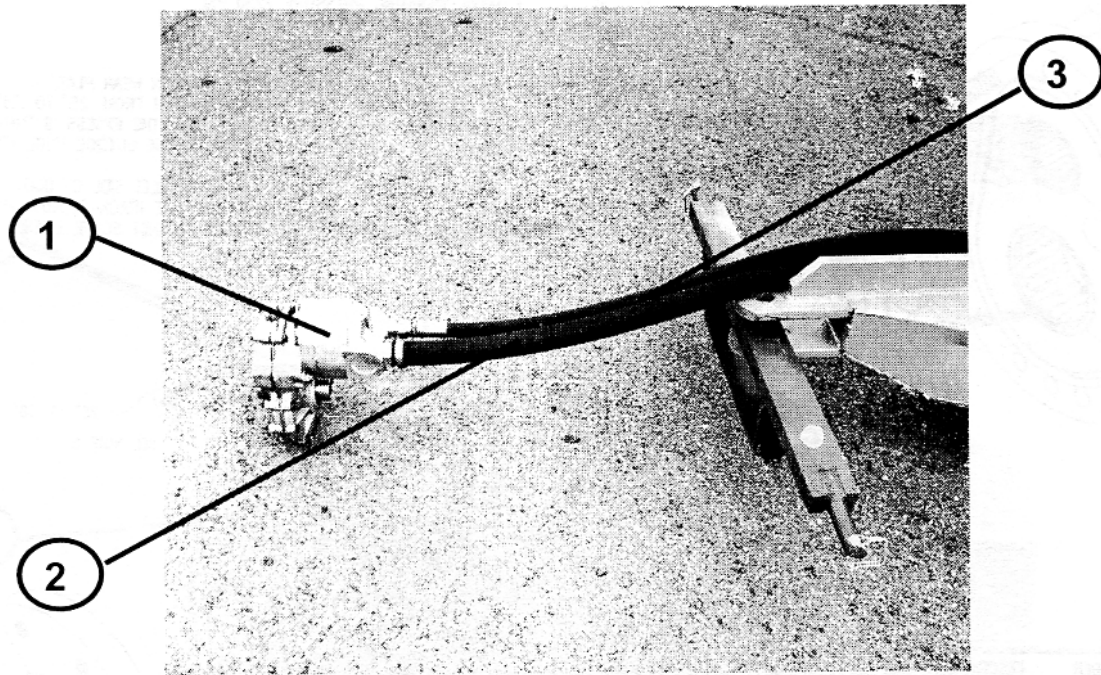
1. Module Builder should be stored on level surface with wheel units raised to allow machine to set securely on level surface.
2. Make sure all hydraulics cylinders and wheel cylinders are fully retracted.
3. Tamper cylinder should be in the low (transporting) position.
4. Store Module Builder in barn or shed if possible.

## PREPARING BUILDER FOR TRANSPORTING

1. Move builder from module.
2. Make sure bridge is at front of builder and secured, so it can not move during transportation.
3. Lower tamper to its lowest position, or until it rests on bridge pads.
4. Continue to pull on tamping lever which holds pressure on tamping cylinder. Pull on unlocking lever to unlatch cylinder tower.
5. While holding unlocking lever open, push on tamping lever to lower cylinder tower.
6. Check rear gate. Make sure it is closed and latched properly.
7. Pull axle lever to raise builder to highest position.
8. Install transport brackets on both wheel cylinders. Transport brackets should be used whenever transporting builder from field to field; or, over average distance on the road.
9. Disengage PTO on tractor.
10. Remove gear pump from PTO and place in transport pin on tongue and secure.
11. Raise 3-point to level builder and lock 3-point lever in tractor.
12. When moving builder be aware of short turning radius of tractor compared to tongue of builder.
13. Be aware of extended length of builder.
14. Be aware of moving builder through ditches or other uneven surfaces, due to the lower clearance of builder from ground. Dragging can occur.
15. Slow moving vehicle sign is required in most states.







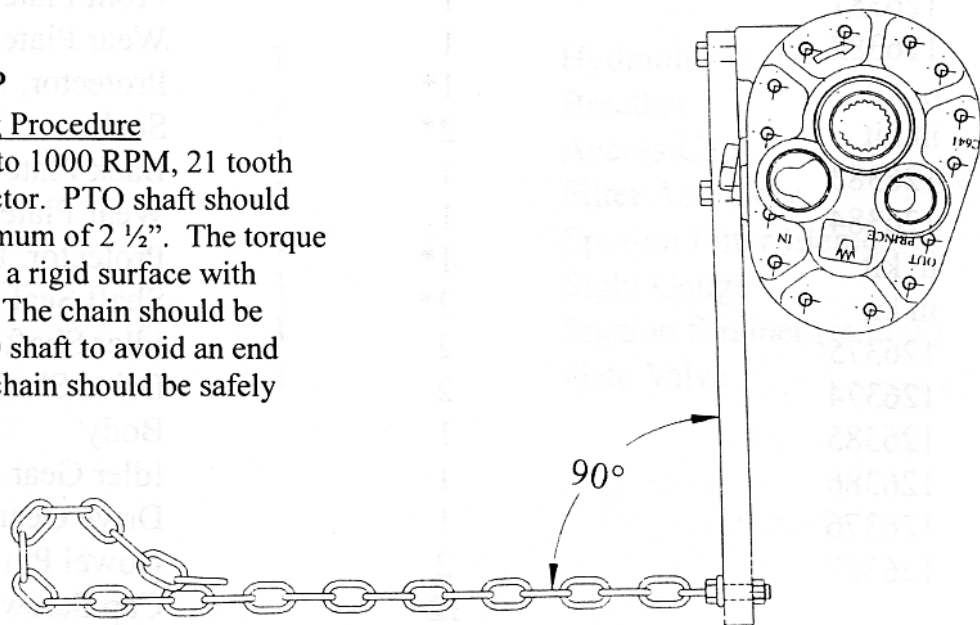
## HYDRAULIC PUMP

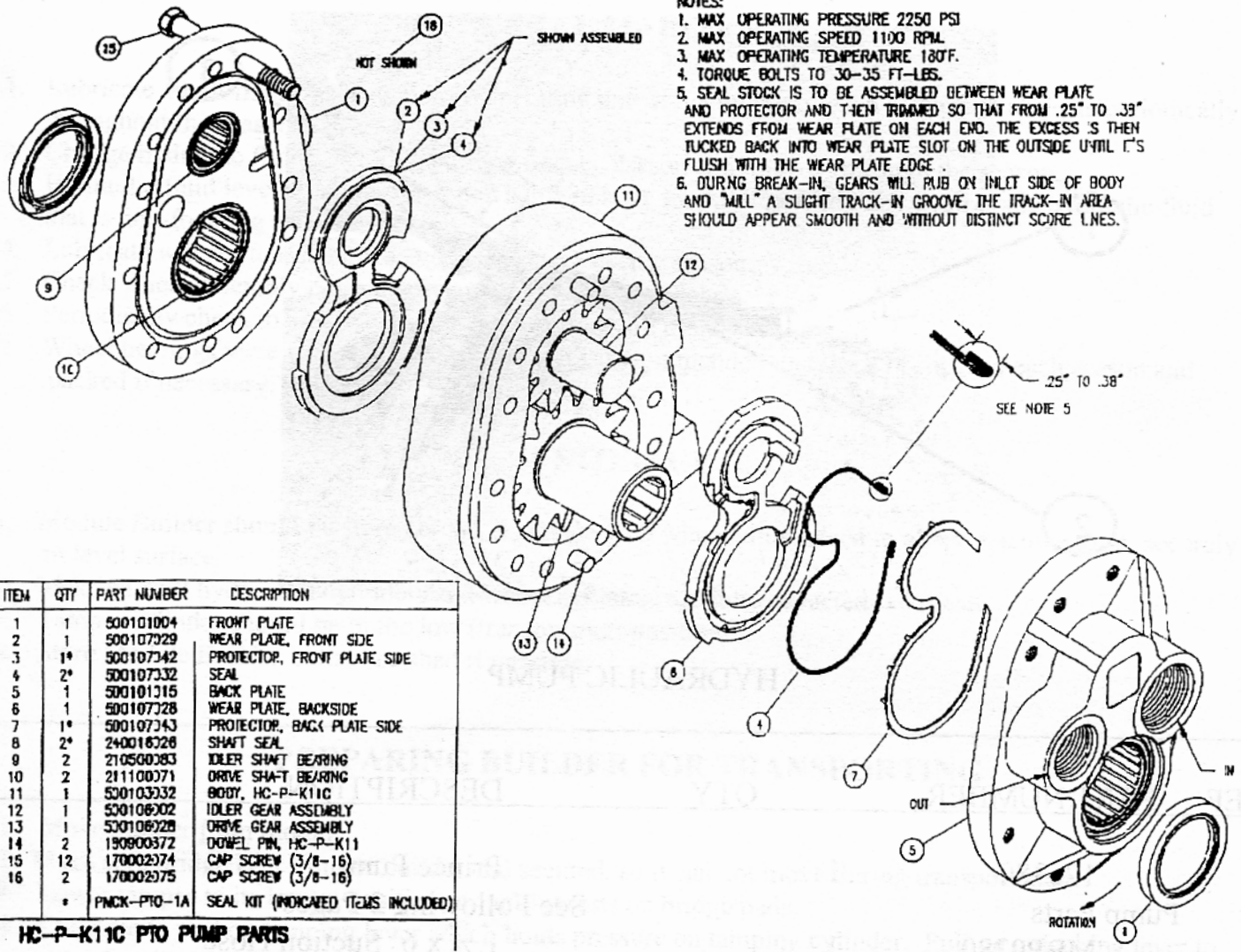
REF	PART NUMBER	QTY	DESCRIPTION
1	126380	1	Prince Pump
	Pump Parts		See Following 2 Pages
2	MBP0280	1	1 1/4 x 6' Suction Hose
3	MBP0332	1	3/4 x 192 Hose (Manual Builder)
	MBP0453	1	3/4 x 144 Hose (Auto Builder)
	112038	1	1 1/4 ORB x 1 1/4 Hose Barb Fitting
	112047	1	1" ORB x 3/4 MJ Fitting

### HYDRAULIC PUMP

#### Recommended Mounting Procedure

Hydraulic pump mounts to 1000 RPM, 21 tooth splined PTO shaft on tractor. PTO shaft should extend into pump a minimum of 2 1/2". The torque arm should be chained to a rigid surface with chain 90° to torque arm. The chain should be perpendicular to the PTO shaft to avoid an end thrust on the pump, and chain should be safely wired or bolted together.





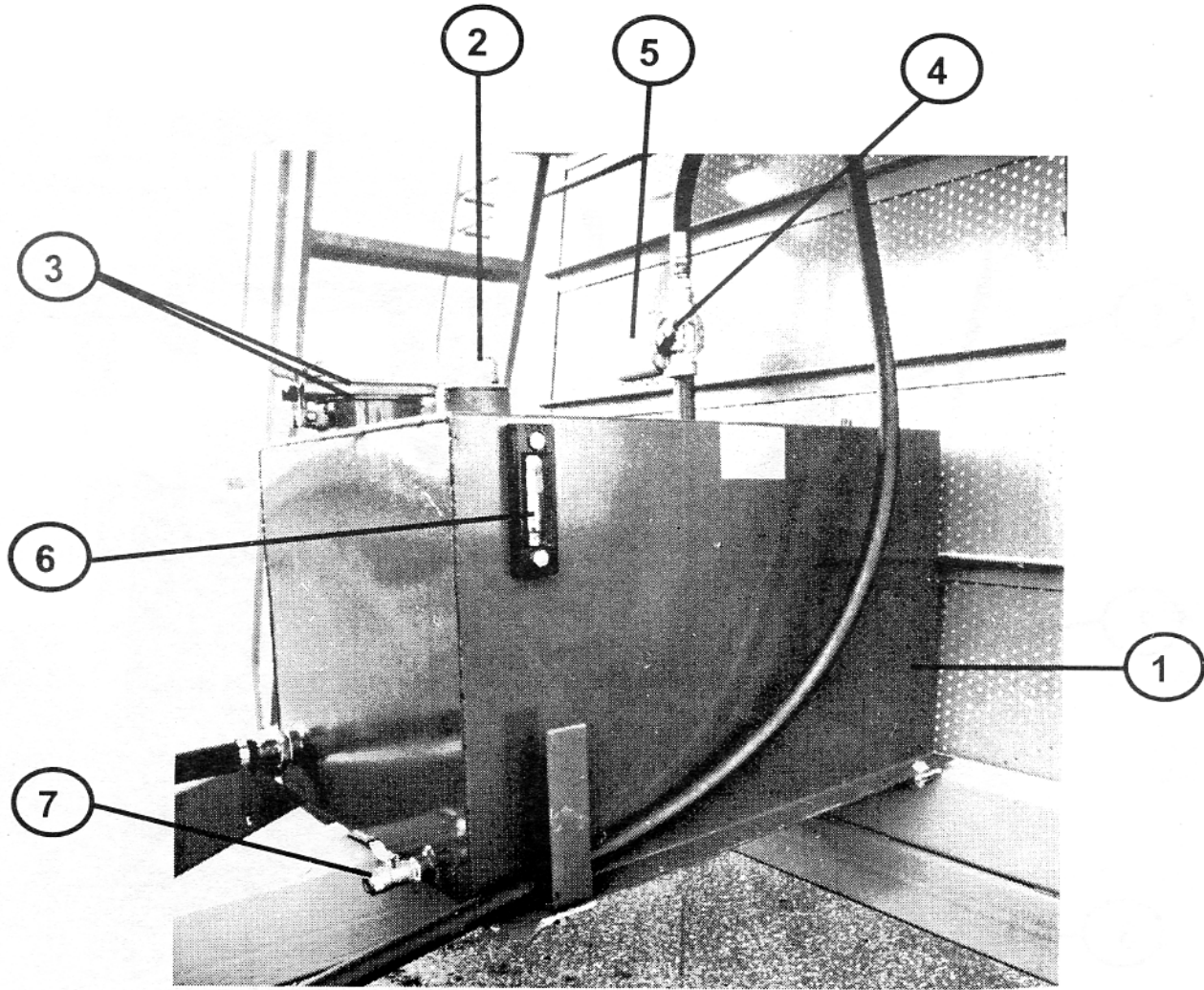
- NOTES:
1. MAX OPERATING PRESSURE 2250 PSI
  2. MAX OPERATING SPEED 1100 RPM.
  3. MAX OPERATING TEMPERATURE 180°F.
  4. TORQUE BOLTS TO 30-35 FT-LBS.
  5. SEAL STOCK IS TO BE ASSEMBLED BETWEEN WEAR PLATE AND PROTECTOR AND THEN TRIMMED SO THAT FROM .25" TO .39" EXTENDS FROM WEAR PLATE ON EACH END. THE EXCESS IS THEN TUCKED BACK INTO WEAR PLATE SLOT ON THE OUTSIDE UNTIL IT'S FLUSH WITH THE WEAR PLATE EDGE.
  6. DURING BREAK-IN, GEARS WILL RUB ON INLET SIDE OF BODY AND "MILL" A SLIGHT TRACK-IN GROOVE. THE TRACK-IN AREA SHOULD APPEAR SMOOTH AND WITHOUT DISTINCT SCORE LINES.

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	500101004	FRONT PLATE
2	1	500107029	WEAR PLATE, FRONT SIDE
3	1*	500107042	PROTECTOR, FRONT PLATE SIDE
4	2*	500107032	SEAL
5	1	500101015	BACK PLATE
6	1	500107028	WEAR PLATE, BACKSIDE
7	1*	500107043	PROTECTOR, BACK PLATE SIDE
8	2*	240016026	SHAFT SEAL
9	2	210500083	IDLER SHAFT BEARING
10	2	211100071	DRIVE SHAFT BEARING
11	1	500103032	BODY, HC-P-K11C
12	1	500106002	IDLER GEAR ASSEMBLY
13	1	500106028	DRIVE GEAR ASSEMBLY
14	2	190900372	DOWEL PIN, HC-P-K11
15	12	170002074	CAP SCREW (3/8-16)
16	2	170002075	CAP SCREW (3/8-16)
	*	PNCK-PTO-1A	SEAL KIT (INDICATED ITEMS INCLUDED)

**HC-P-K11C PTO PUMP PARTS**

**PRINCE PTO PUMP PARTS**

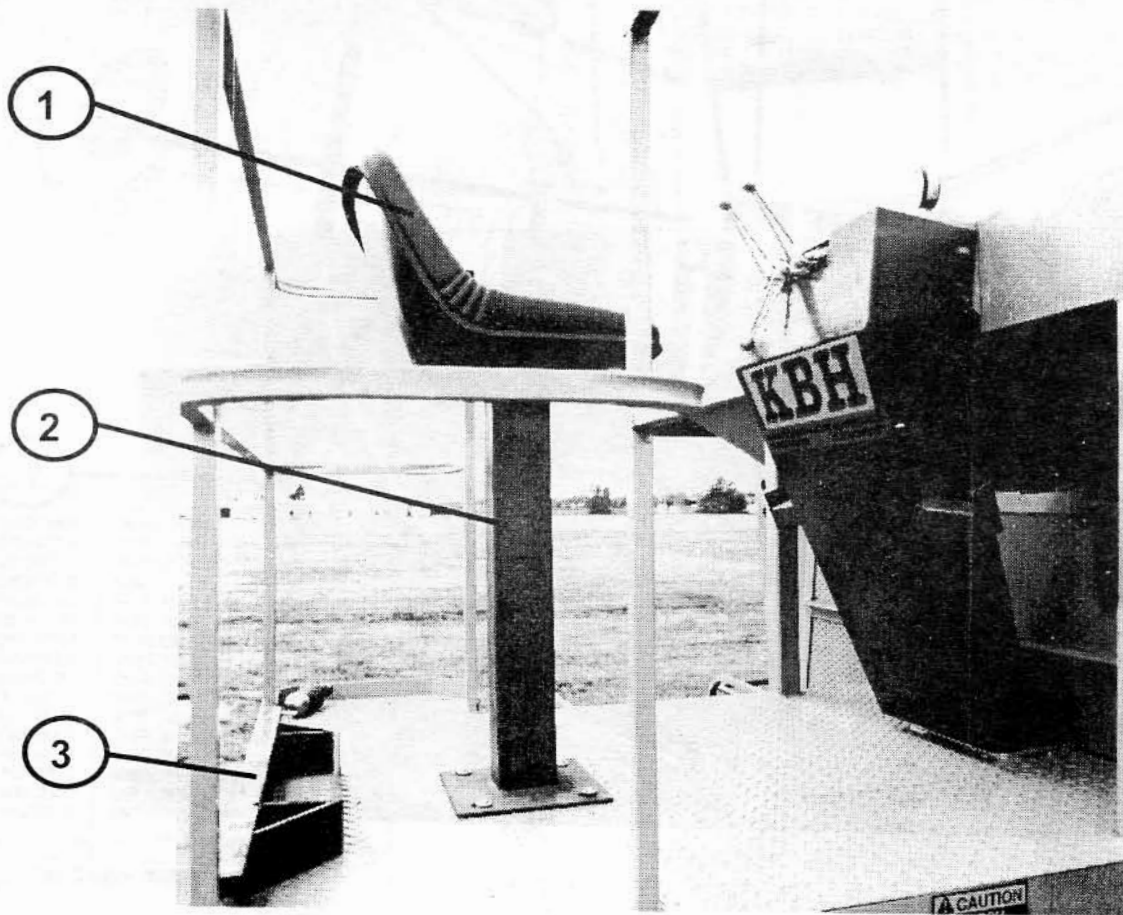
REF	PART NUMBER	QTY	DESCRIPTION
1	126381	1	Front Plate
2	126382	1	Wear Plate, Front Side
3	in kit	1*	Protector, Front Plate Side
4	in kit	2*	Seal
5	126383	1	Back Plate
6	126384	1	Wear Plate, Backside
7	in kit	1*	Protector, Back Plate Side
8	in kit	2*	Shaft Seal
9	126375	2	Idler Shaft Bearing
10	126374	2	Drive Shaft Bearing
11	126385	1	Body
12	126386	1	Idler Gear Assembly
13	126376	1	Drive Gear Assembly
14	126387	2	Dowel Pin
15		12	Cap Screw (3/8-16)
16		2	Cap Screw (3/8-16)
	126019	*	Seal Kit (indicated items included)



HYDRAULIC TANK AND FITTINGS

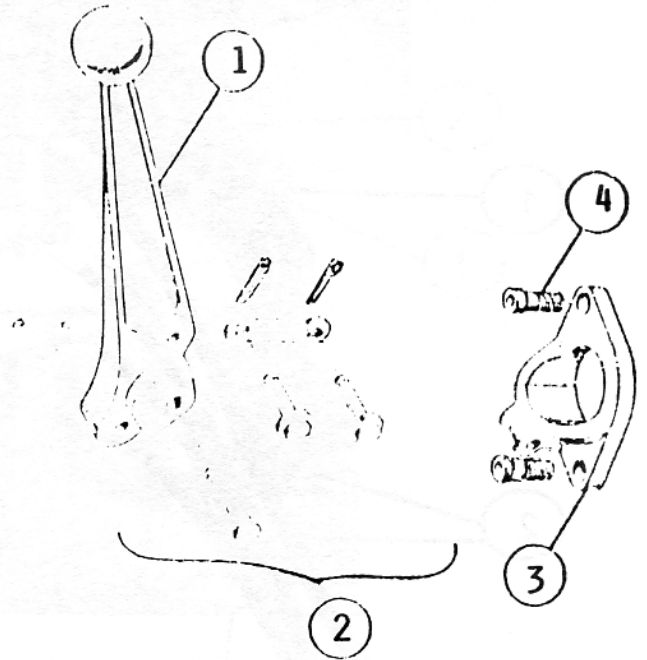
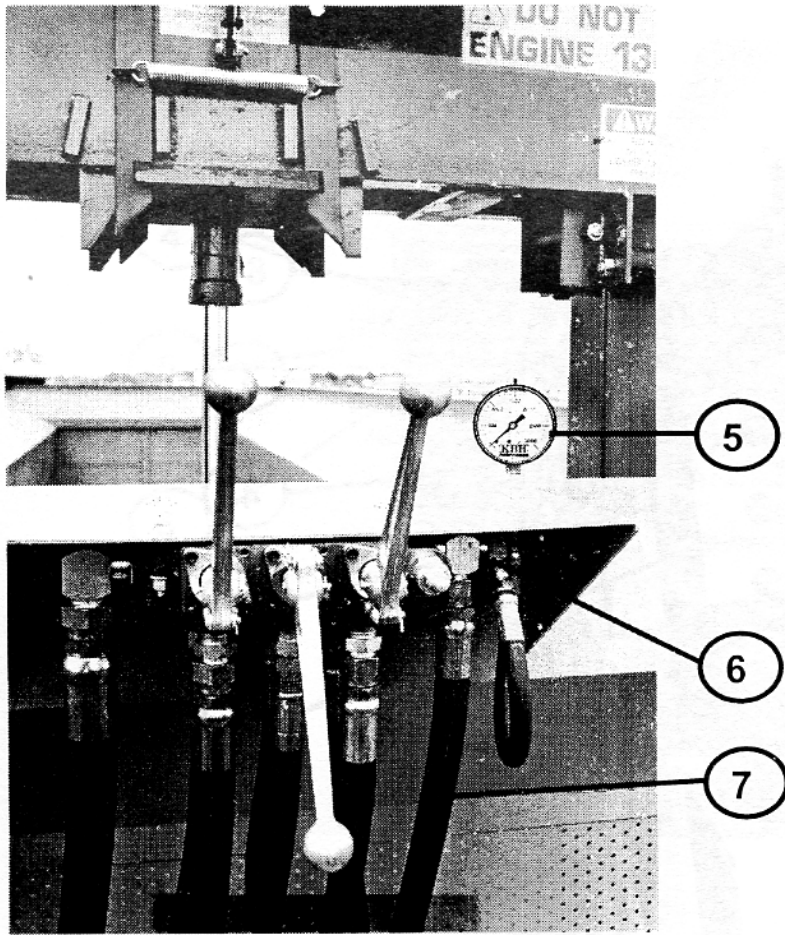
REF	PART NUMBER	QTY	DESCRIPTION
1	MB107	1	Hydraulic Tank
2	108009	1	Breather
3	121161	1	Access Cap
4	108006	1	Filter Assembly
5	108001	1	Spin-on Filter Element
6	109006	1	Sight Gauge
	108008	1	Suction Strainer (in tank)
7	143001	1	Gate Valve





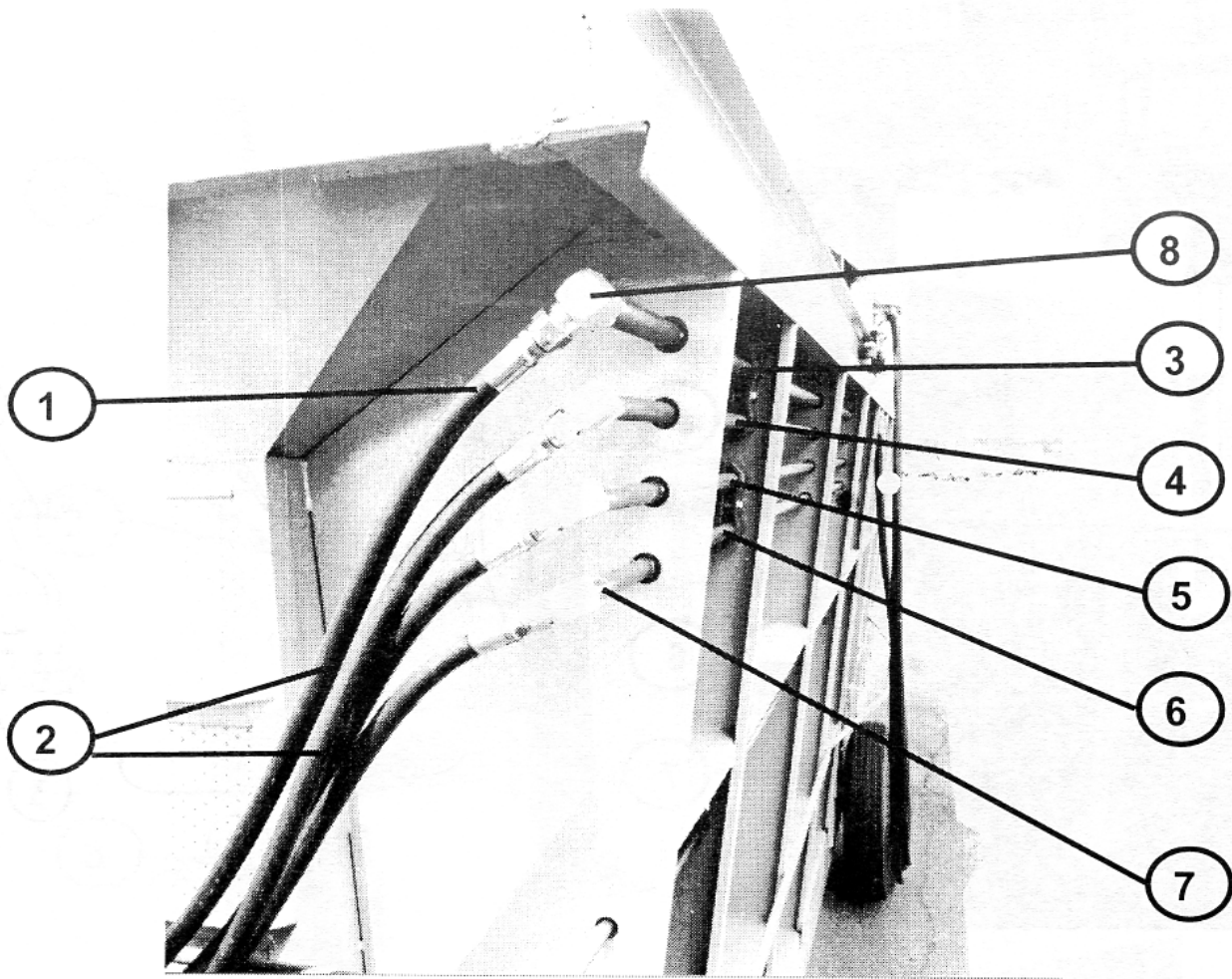
### OPERATOR PLATFORM

REF	PART NUMBER	QTY	DESCRIPTION
1	128001	1	Seat
2	MB104	1	Seat Stand
3	MB112	1	Drawbar



CONTROL VALVE

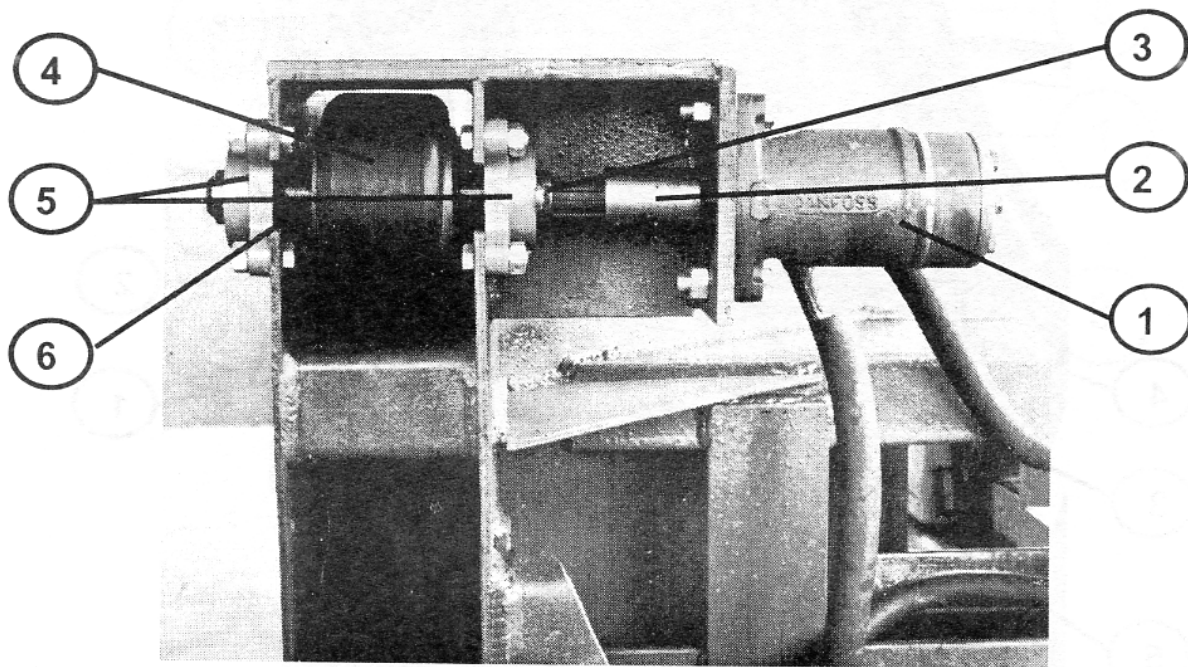
REF	PART NUMBER	QTY	DESCRIPTION
1	117018	1	Handle
2	117017	1	Link & Pin Kit
3	117016	1	Handle Bracket
4	117019	1	1/4 x 1/2 Socket Head Screw
5	109001	1	3000 PSI Gauge
6	117014	1	3 Spool Valve
7	MBP0452	1	3/8 x 14 Gauge Hose



### UPPER RIGHT HAND HYDRAULIC LINES

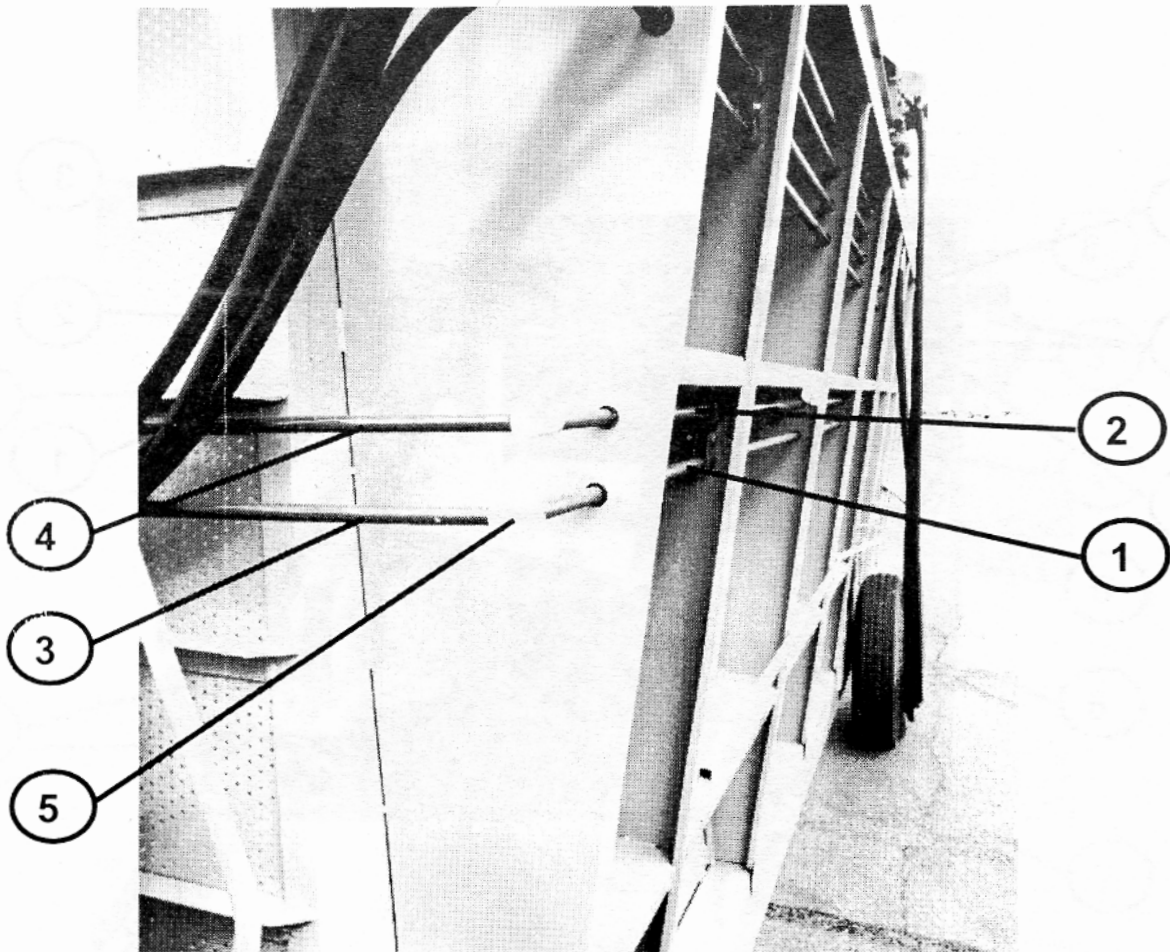
REF	PART NUMBER	QTY	DESCRIPTION
1	MBP0334	1	$\frac{3}{4}$ x 118 $\frac{3}{4}$ & 1 Fittings Hose
2	MBP0333	3	$\frac{3}{4}$ x 118 Hose
3	MBP0251	1	1 x 196 Pipe
4	MBP0259	1	$\frac{3}{4}$ x 200 Pipe
5	MBP0264	1	$\frac{3}{4}$ x 204 Pipe
6	MBP0258	1	$\frac{3}{4}$ x 208 Pipe
7	112034	3	$\frac{3}{4}$ FP x $\frac{3}{4}$ MJ Fitting
8	112036	1	1 FP x 1 MJ Fitting





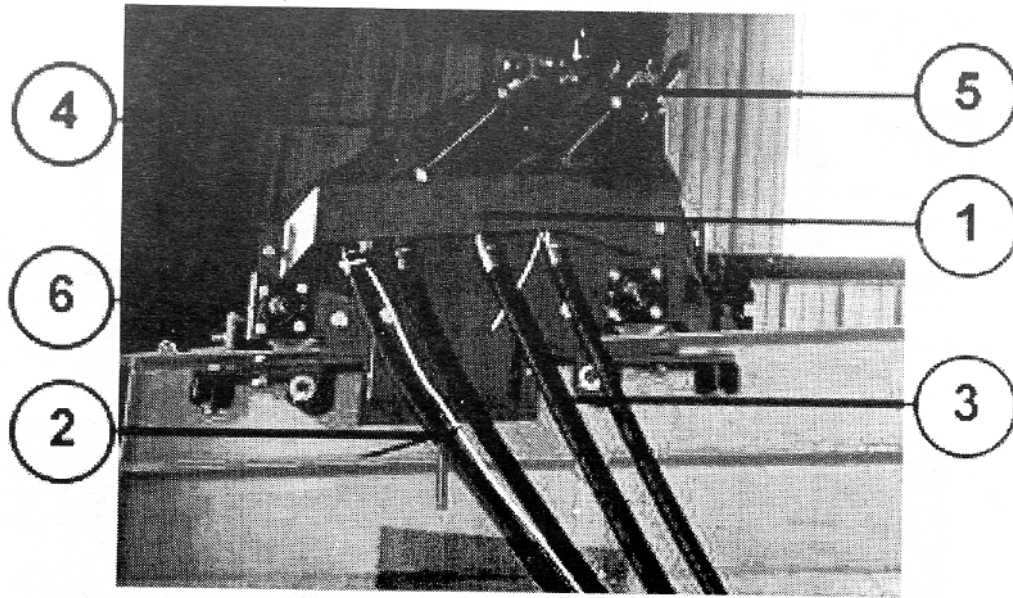
INVERTED VIEW OF BRIDGE MOTOR ASSEMBLY

REF	PART NUMBER	QTY	DESCRIPTION
1	117046	4	Hydraulic Motor
2	147029	4	Motor Shaft Coupling
3	129002	4	1" x 10 Splined Shaft
4	100049	4	Splined Wheel
5	100042	8	Flange Bearing
6	MBP0227	8	Spacer
	101023	32	7/16 x 1 1/4 Bolt
	101132	32	7/16 Locknuts
	117066	1	Hydraulic Motor Kit
	112046	2	Hydraulic Motor Fitting
	101126	4	3/16 x 1 1/4 Roll Pins



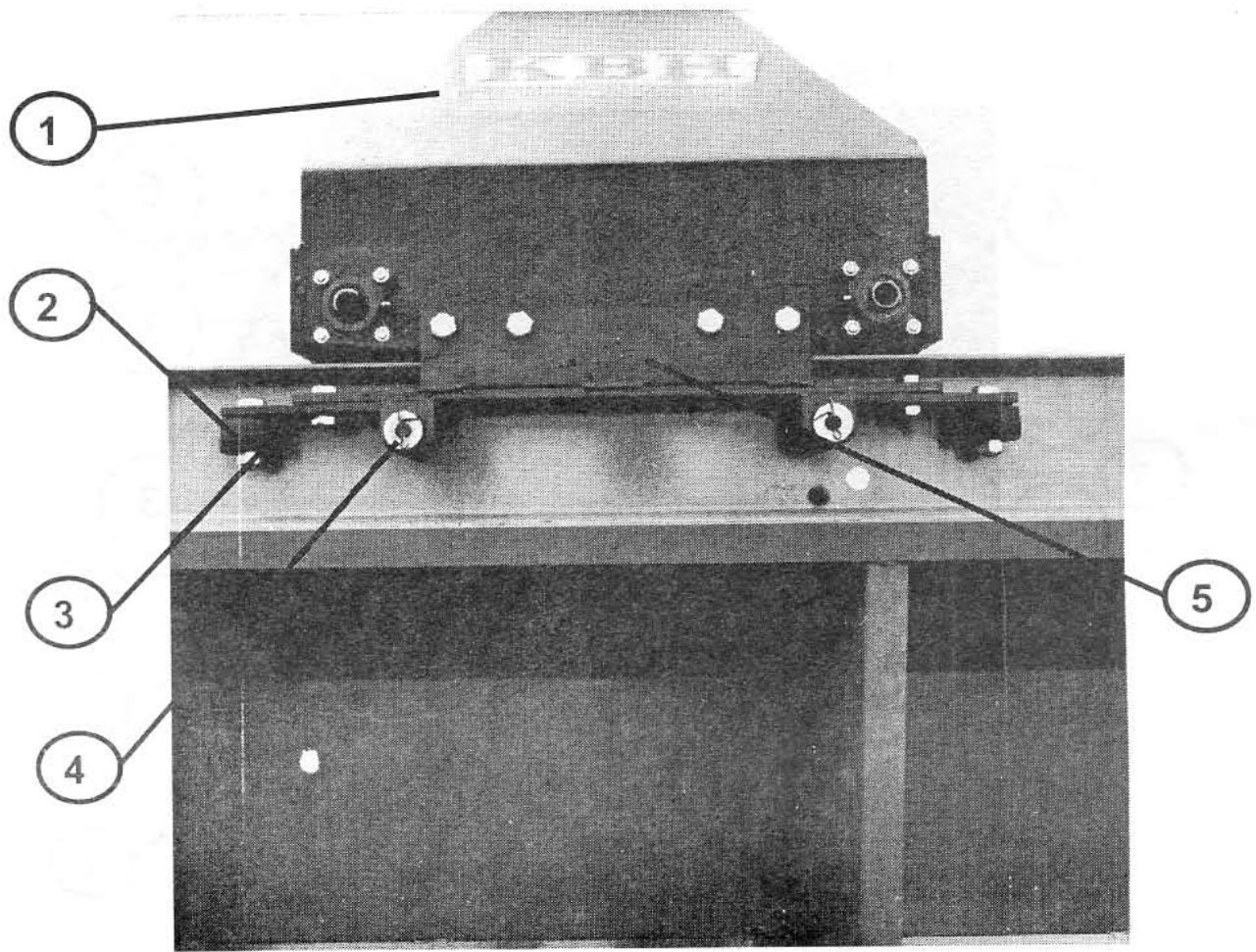
LOWER RIGHT HAND HYDRAULIC LINES (SAME ON BOTH SIDES)

REF	PART NUMBER	QTY	DESCRIPTION
1	MBP0256	2	½ x 53 ¾ Pipe
2	MBP0257	2	½ x 53 ¾ Pipe
3	MBP0254	2	½ x 192 Pipe
4	MBP0255	2	½ x 180 Pipe
5	112017	2	½ Ell
	112045	2	½ Tee (not shown)



### RIGHT HAND BRIDGE HYDRAULIC LINES

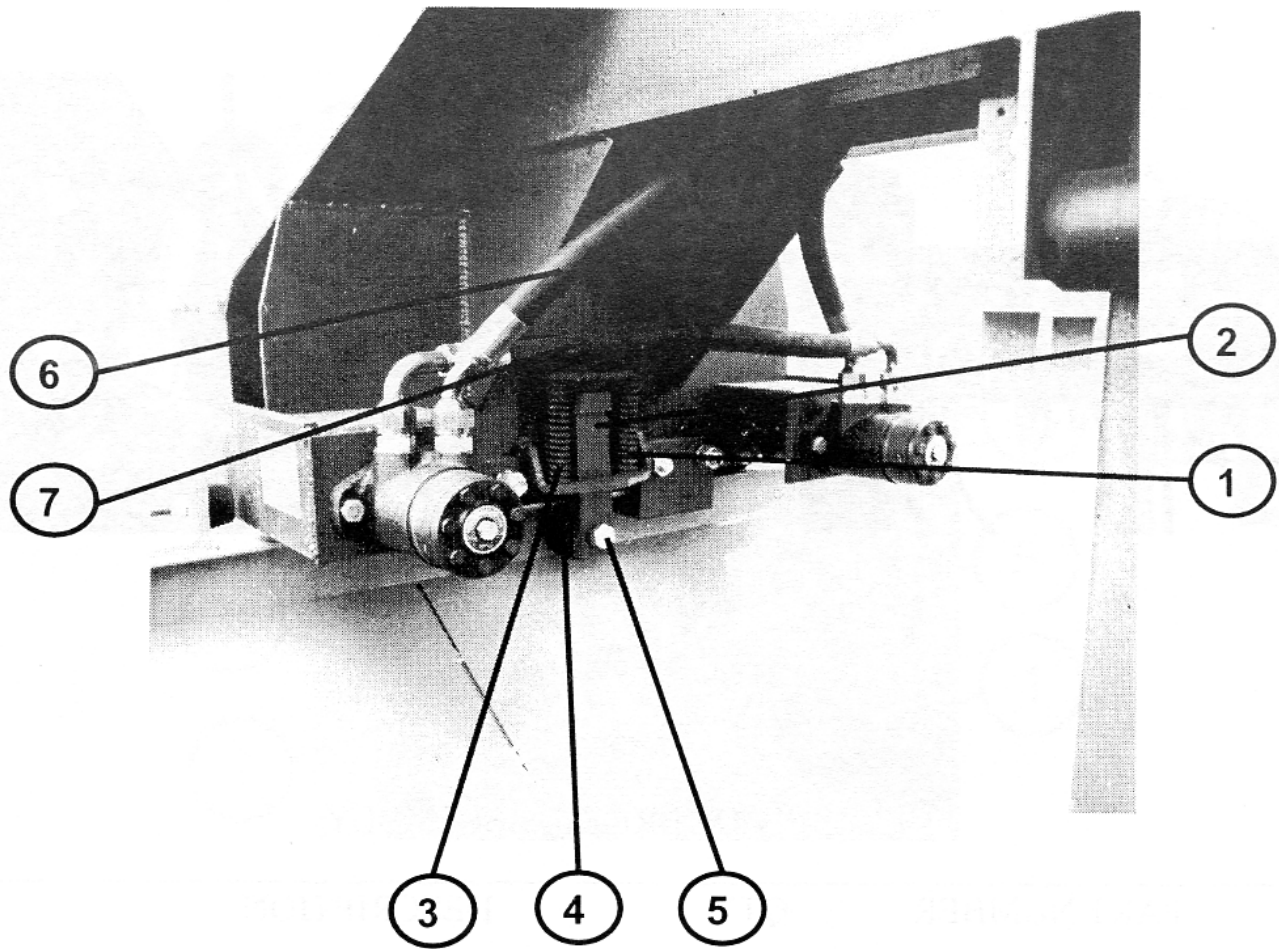
REF	PART NUMBER	QTY	DESCRIPTION
1	MBP0234	1	Pipe Guard
2	MBP0337	3	$\frac{3}{4}$ x 240 Hose
3	MBP0338	1	1 x 240 Hose
4	MBP0260	3	$\frac{3}{4}$ x 32 Pipe
5	MBP0218	1	1 x 32 Pipe
	112023	2	1 FP x 1 MJ Pipe Fitting
	112022	4	$\frac{3}{4}$ FP x $\frac{3}{4}$ MJ Pipe Fitting
	112034	2	$\frac{3}{4}$ FP x $\frac{3}{4}$ MJ 90 Pipe Fitting
	MBP0321	1	$\frac{3}{4}$ x 73 Hose (Inside Bridge)
	MBP0322	1	$\frac{3}{4}$ x 69 Hose (Inside Bridge)
6	102001	4	Bridge Bumper



OUTSIDE BRIDGE GUIDE WHEEL ASSEMBLY

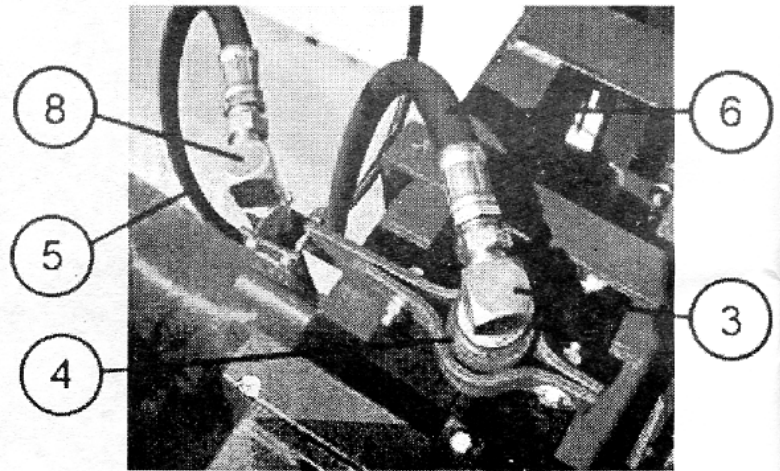
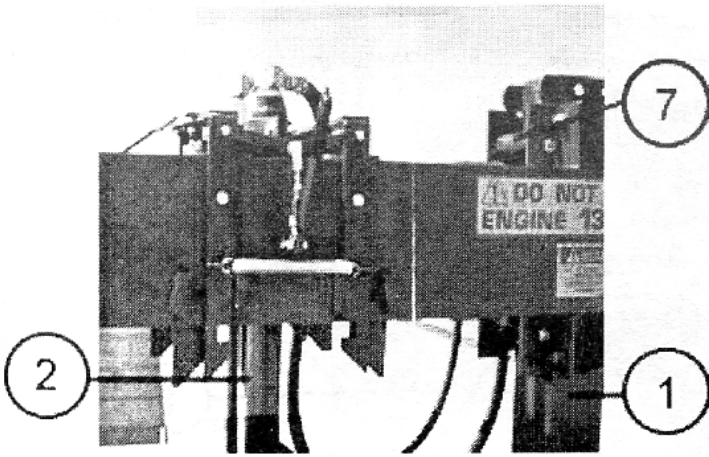
REF	PART NUMBER	QTY	DESCRIPTION
1	MB128	1	Bridge
2	100046	4	Guide Wheel
3	MBSA032	2- L & R	Outside Tension Arm
4	134003	4	Spring
5	MB124	2	Guide Wheel Bracket
	101233	4	3/4 Cut Washer
	MBP0206	4	3/4 Bushing
	101161	4	3/4 Flat Washer
	101068	4	3/4 x 3 Bolt
	101139	4	3/4 Locknut
	101063	4	3/4 x 1 1/2 Bolt
	101142	4	3/4 Jam Locknut
	MBSA033	2	Outside Guide Wheel Bracket - Complete





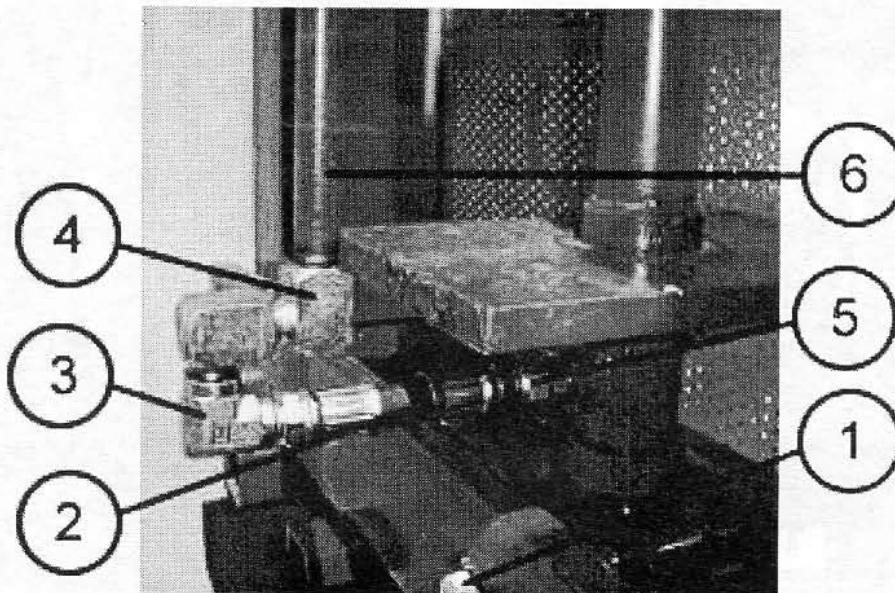
### INSIDE BRIDGE TENSION WHEEL ASSEMBLY

REF	PART NUMBER	QTY	DESCRIPTION
1	134005	4	Tension Spring Inside
2	MB126	2	Tension Bracket Inside
3	MBSA023	2	Tension Arm Inside
4	100048	2	Tension Wheel Tapered
5	101070	2	3/4 x 3 3/4 Bolt
	101142	2	3/4 Jam Nut
	MBP0206	2	Bushing
6	MBP0321	4	Hydraulic Hose
7	MBP0306	2	Hydraulic Hose 3/4 x 20
	MBSA040	2	Inside Tension Bracket Complete



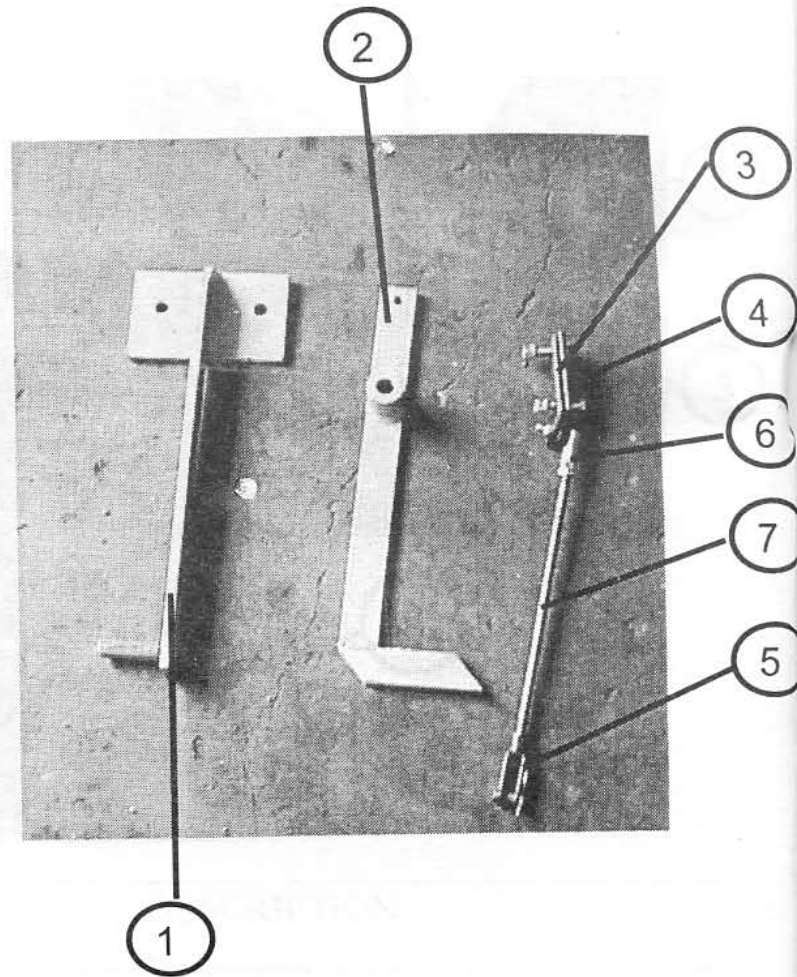
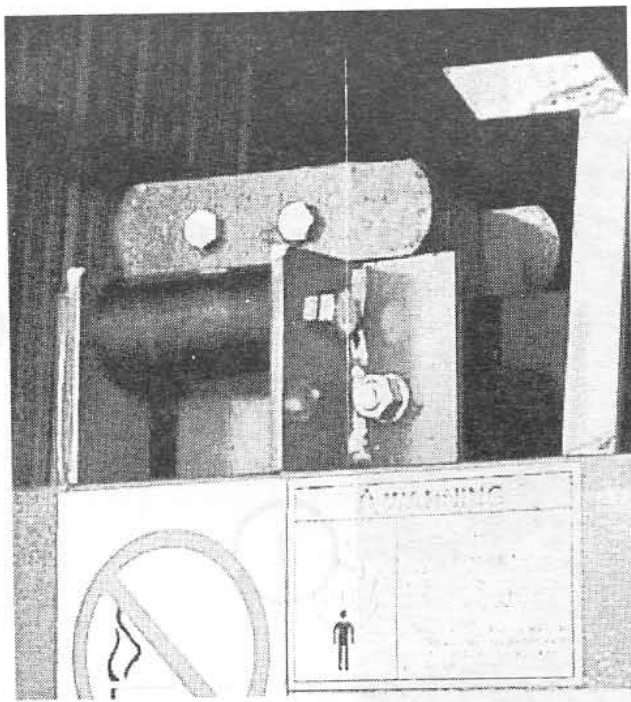
FULL VIEW OF BRIDGE ASSEMBLY

REF	PART NUMBER	QTY	DESCRIPTION
1	MB105	1	Tamper
2	MB106	1	Tamper Cylinder
	116024	1	Cylinder Rod
	116019	1	Spherical Bushing
	116022	1	Piston
	116018	1	Kit
3	112034	1	3/4 FP x 3/4 MJ 90
4	117079	1	3/4 Check Valve
	124002	2	Poly Cylinder Guide
5	MBP0339	1	1" x 110 Hose
6	MBP0335	1	3/4 x 110 Hose
7	100047	16	Tamper Roller
	101081	16	3/4 x 8 Bolt
	101118	16	3/4 Nut
	101171	16	3/4 Lockwasher
	MB130	1	Tamper Cylinder Stop-Long
	MB131	1	Tamper Cylinder Stop-Short
	MB132	1	Pipe Clamp Plate
8	112040	1	1" MJ x 1 1/4 ORB 90 Fitting



### LOWER TAMPER CYLINDER

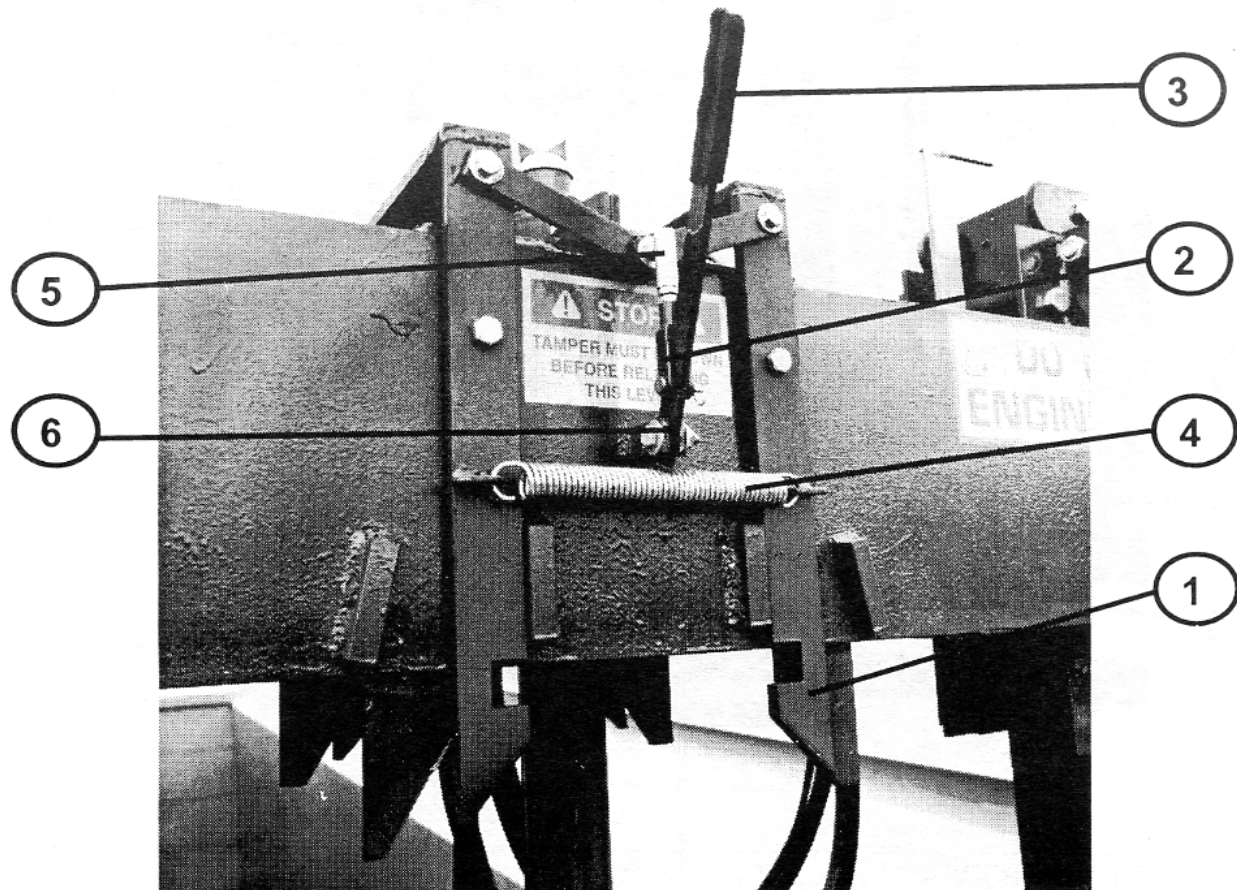
REF	PART NUMBER	QTY	DESCRIPTION
1	101087	1	1 x 12 Bolt
	101121	1	1 Nut
	101162	1	1 Flatwasher
	101173	1	1 Lockwasher
2	MBP0331	1	3/4 x 5" Hose
3	112041	2	3/4 St Ell 90
4	112043	1	3/4 Ell 90
5	MBP00252	1	3/4 Pipe
6	112019	1	3/4 MPT x 3/4 MJ Fitting



### ANTI-TAMPER DROP ASSEMBLY

REF	PART NUMBER	QTY	DESCRIPTION
	MBSA031	1	Anti-Tamper Drop Assembly – Complete
1	MB122	1	Bolted Arm
2	MB123	1	Pivot Arm
3	MBP0161	1	Top Clamp Plate
4	MBP0162	1	Bottom Clamp Plate
5	105001	1	3/8 Clevis
	105002	1	Clevis Pin
	101143	1	3/8 SAE Jam Nut
6	100007	1	Ball Joint
7	101231	1	3/8 x 13 Rod
	101139	1	3/4 Lock Nut



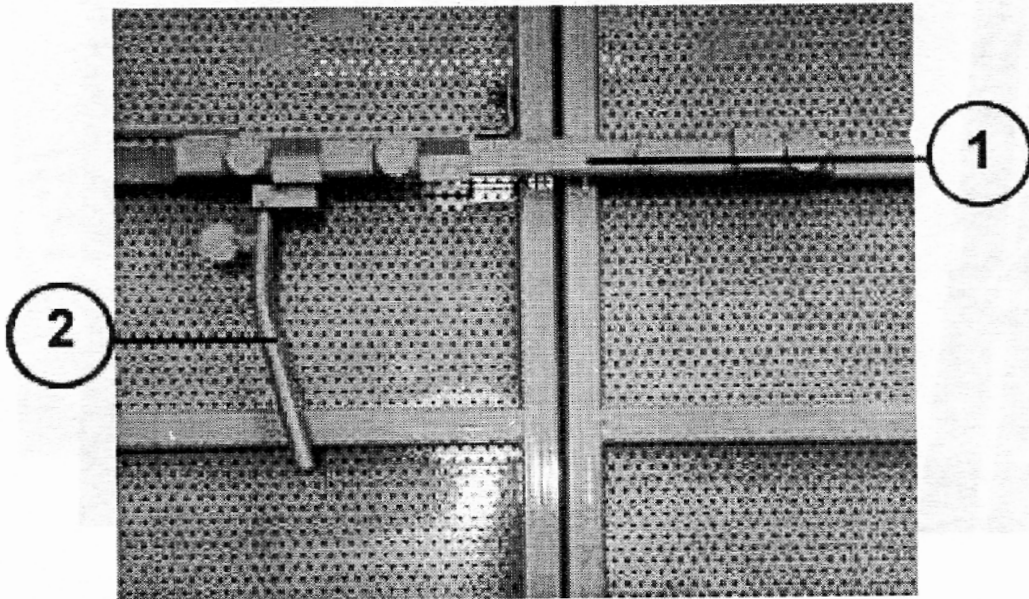


### TAMPER LATCH ASSEMBLY

REF	PART NUMBER	QTY	DESCRIPTION
	MB120	1	Tamper Latch Assembly
1	MBSA030	2	Tamper Latch
2	MBP0174	2	Latch Linkage
3	MBP0175	1	Latch Handle
	121074	1	Handle Grip
4	134001	2	Spring
	MBP0171	4	1/2" Latch Bushing
	MBP0172	2	3/8 Linkage Bushing
	MBP0173	1	3/8 Handle Bushing
5	100007	1	Ball Joint 3/8 SAE
6	105001	1	Clevis
	MBP0179	1	3/8 SAE x 2" Stud
	101112	3	3/8 SAE Nut

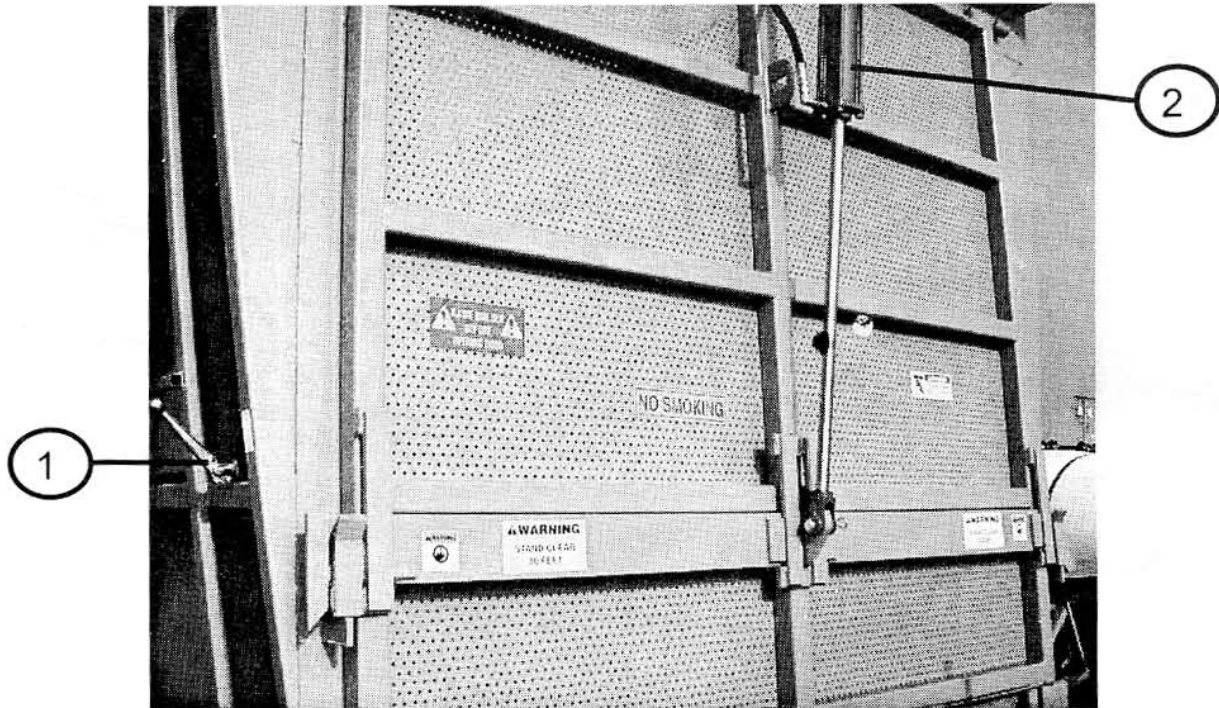


REF	PART NUMBER	QTY	DESCRIPTION
1	138003	2	Tire
2	145019	2	Rim
3	MBSAO39	2	10,000# Hub Complete
	115023	2	Hub w/ Cups, Studs & Nuts
	100001	2	Outer Bearing (LM501349)
	100053	2	Outer Cup (LM501310)
	100059	2	Inner Bearing (39250)
	100062	2	Inner Cup (39412)
	115024	2	Seal (National 455565)
	115015	2	Dust Cap
	115025	16	3/4 Lug Stud
	115026	16	3/4 Lug Nut
	131022	2	Spindle with Nut & Washer
4	116001	2	Hydraulic Cylinder 4 x 8
	116003	1	Cylinder Kit
	116002	1	Cylinder Clevis
	116006	2	Cylinder Pin
5	MBP0330	2	1/2 x 36 Hose
6	MBP0329	2	1/2 x 33 Hose



BACK DOOR

REF	PART NUMBER	QTY	DESCRIPTION
1	MB115	1	Door Latch Bar
2	MB117	1	Door Knocker



### HYDRAULIC DOOR

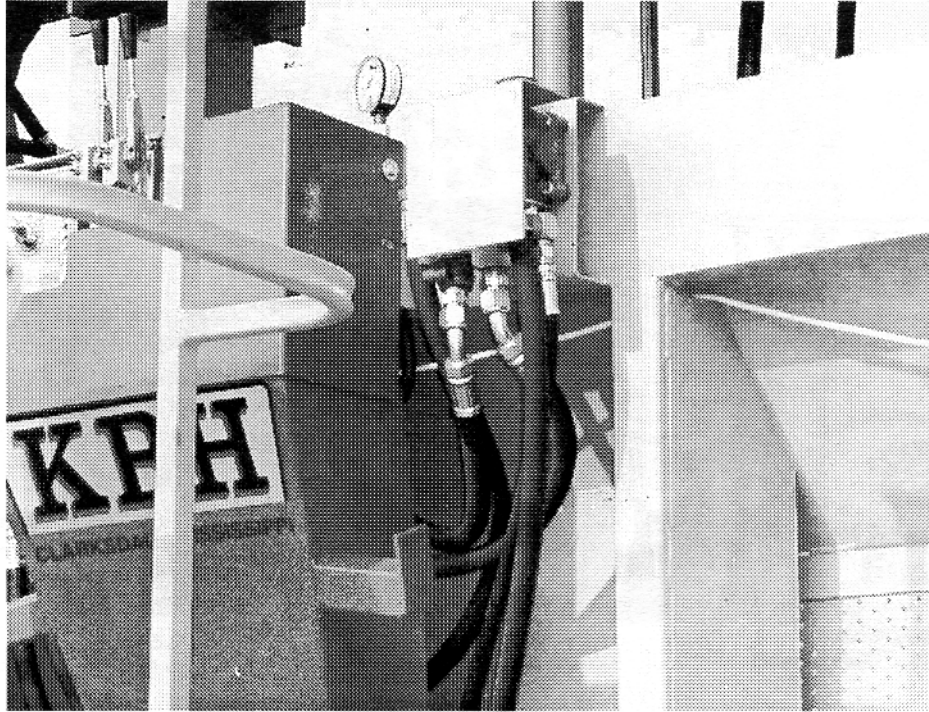
The door is operated by a valve located in the left side rear panel.

**WARNING: STAND CLEAR OF DOOR AT ALL TIMES!!**

**WARNING: KEEP HAND CLEAR OF DOOR LATCH!!**

REF	PART NUMBER	QTY	DESCRIPTION
1	117172	1	Door Valve
2	116150	1	Door Cylinder





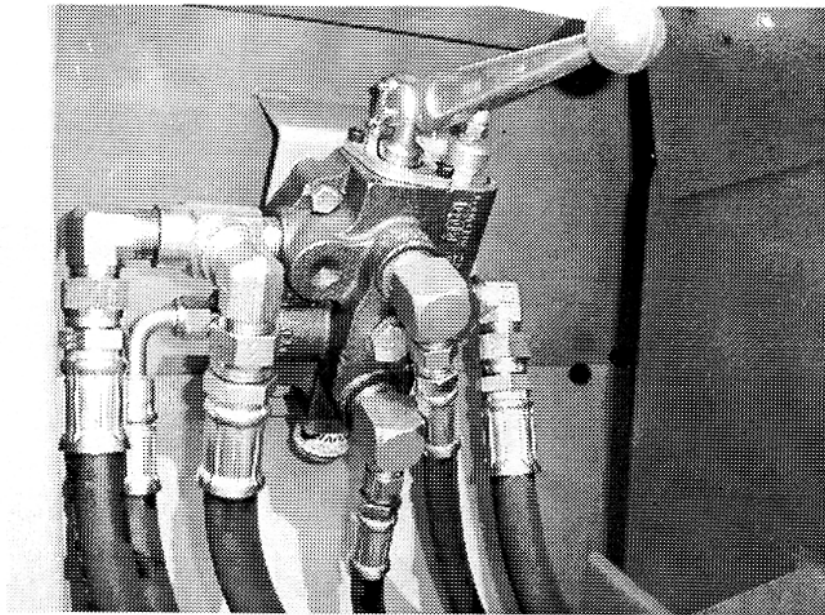
### DIRECTIONAL CONTROL VALVE & IN-LINE PRESSURE RELIEF VALVE

Located to the right of main control valve.

On an automatic module builder with a Hydraulic Door the directional valve's knob is down to operate bridge and tamper and is up to operate wheel cylinders and hydraulic door.

In-line relief valve is preset at factory to regulate system hydraulic pressure between 2200-2400 psi.

REF	PART NUMBER	QTY	DESCRIPTION
	117015	1	In-line relief valve
	117171	1	Directional control valve



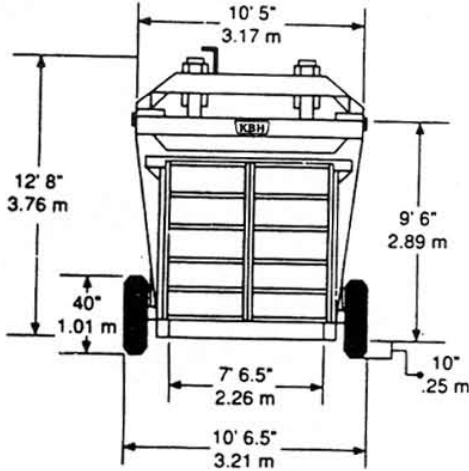
### TRANSPORT WHEEL CYLINDER VALVE

This valve is located to the left of main control valve. It raises and lowers the transport wheels.

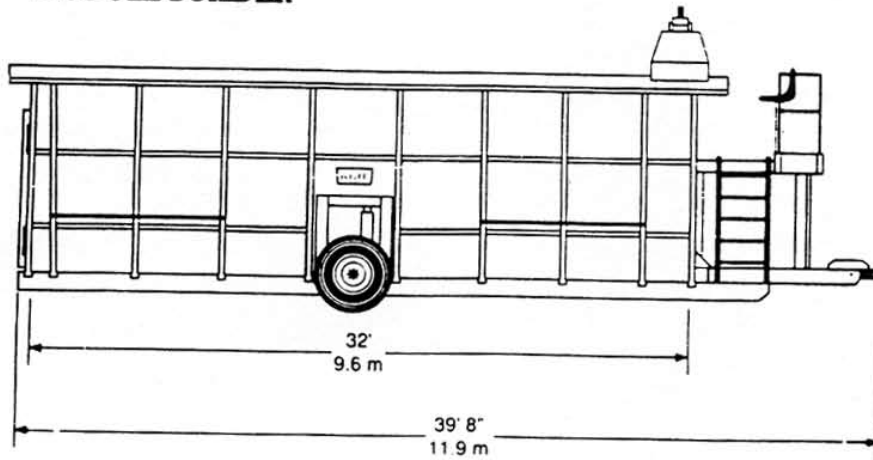
**WARNING: MAKE SURE NO ONE IS AROUND WHEEL AREA WHEN OPERATING THIS VALVE!!**

REF	PART NUMBER	QTY	DESCRIPTION
	117173		Wheel cylinder valve

# SPECIFICATIONS



## COTTON HOUSE MODULE BUILDER



## NOTES



## THE KBH CORPORATION "COTTON HOUSE" MODULE BUILDER MANUFACTURERS WARRANTY

**THE KBH CORPORATION**, Clarksdale, Mississippi, (hereinafter called manufacturer) hereby warrants each new "Cotton House" Module Builder including all equipment thereon, manufactured or supplies by **THE KBH CORPORATION** and sold by said company, to be free from defects in material and workmanship under normal use and service, and manufacturer's obligation under this warranty being limited to repairing or replacing, at manufacturer's option, without charge for installation, at manufacturer's place of business, any parts thereof (excluding tires) which shall within twelve (12) months after sale for such "Cotton House" Module Builder by manufacturer's place of business, and which manufacturer's examination shall disclose to its satisfaction to have been thus defective.

The provisions of this warranty shall not apply to normal maintenance services or to paint, unless painting imperfection is immediately called to the attention of manufacturer so that any necessary correction may be made. Damage to pain due to usage is not covered by this warranty.

The provisions of this warranty shall not apply to any builder which shall have been repaired or altered outside of manufacturer, in any way so as in the judgement of manufacturer to affect adversely its performance and reliability; nor shall it apply to any builder which has been subject to misuse, negligence or accident.

This warranty is expressly in lieu of all other warranties, expressed or implied, and all other obligations or liabilities on manufacturer's part, and manufacturer neither assumes nor authorizes any person to assume for it any other liability in connection with such builder.

This warranty is expressly limited to repair or replacement by manufacturer of each new "Cotton House" Module Builder sold by manufacturer, under the terms and conditions hereunder, arising out of defective parts of workmanship, and manufacturer shall not be liable to any person, firm, corporation or organization for loss of use, loss of profits, or any other consequential damages, as defined in Section 2-715 of the Uniform Commercial Code, that may be occasioned by or arising out or defective part of parts, or faulty workmanship of each new "Cotton House" Module Builder sold by manufacturer.

The manufacturer reserves the right to make changes in design or add any improvements on its "Cotton House" Module Builder at any time without incurring any obligation to install same on such builder previously purchased.