REEL LIFT HYDRABED®

800-530-5624
902 Hwy K-246, Sabetha, KS 66534
www.hydrabeds.com/reel-lift

OWNER'S MANUAL

800-530-5624

QUICK SPECS

ENGINE DRIVEN

SYSTEM PSI
2,200

PUMP GPM
11*

LOAD/UNLOAD GPM
4.5**

AUXILIARY TOOL GPM
11*

** at 2,000 truck engine RPM*

*** flow reduced by orifices for optimal safety when handling heavy loads*

BELT #

GREASE LOCATIONS
Rear hinge pins
(2 zerks per hinge)

Engagement jaw latches
(1 zerk per latch)

HYDRAULIC OIL

reservoir	*system*
10 GALLONS	12 GALLONS

-15°F and above
ISO 46

- CONOCO POWER TRAN
- JOHN DEERE HY-GARD
- CASE HY-TRAN ULTRA

-15°F and below
ISO 32

- CONOCO POWER TRAN
- JOHN DEERE HY-GARD (LOW VISCOSITY)
- CASE HY-TRAN ULTRA SSL

FILTER INTERCHANGE

FRAM	P1653
WIX	51551
LENZ	CP-752-10
AC	PF16
BALDWIN	BT 839-10
CASE	S-62427

800-530-5624


PROUDLY
MADE IN THE
USA
by
SKILLED CRAFTSMEN

WARRANTY

HYDRA BED LIMITED WARRANTY

1 What do I need to do to be covered?
You must properly complete and return the warranty card found at the front of the manual.

2 What does this Warranty cover?
Hydra Bed will warranty the Hydra Bed® Reel Lift and its structural and system components.

3 What does this Warranty not cover?
The warranty does not cover equipment that has been damaged by:

- Misuse (including operation above its rated capacity), abuse, or accident;
- Failure to follow the operating instructions or maintenance protocols that we provided (including failure to regularly lubricate equipment);
- Any improper or unauthorized installation, repair or modification to the equipment; or
- Fire, flood, "acts of God," or other contingencies beyond our control.

4 How long does the coverage last?
The warranty period for structural components—for example, the frame, welds, hinges and arms—lasts for **5 years** after purchase date. The warranty period for system components—for example, the valves, pumps, controls, and motors—lasts for **2 years** after the purchase date.

5 What will Hydra Bed do to correct problems?
Hydra Bed may repair or replace the equipment covered by this warranty at no charge.

6 How do you get service?
6.1 If something goes wrong with your equipment, call your Dealer or Hydra Bed. Your Dealer or Hydra Bed will ask for the equipment's serial number and a description of the problem. Hydra Bed will determine (1)

whether the equipment is within the warranty period and (2) whether to repair or replace the equipment.

6.2 If we determine the problem can be resolved by providing a replacement part, Hydra Bed may deliver the part to you or to the Dealer. If the part is sent directly to the end user, Hydra Bed will require prepayment of the retail price of the replacement part and applicable shipping costs. Hydra Bed will also send instructions for returning the replaced part.

6.3 If we determine the problem requires service, your Dealer or Hydra Bed will schedule a service appointment at a mutually convenient time at no charge.

6.4 If you follow the return instructions, Hydra Bed will refund any prepayment for the part and shipping. However, you will not be refunded if (1) you fail to return the part as instructed, (2) we determine that the equipment is not covered under this warranty, or (3) we determine that the problem was due to one of the disqualifying causes in Section 3.

7 What will Hydra Bed not do?

Hydra Bed will not be liable for any amount that exceeds the amount you paid for the equipment. However arising, we will not be liable for:

- Expenses incurred without our written authorization;
- Direct, indirect, incidental or consequential damages, such as the loss of anticipated profits or benefits; or
- Loss or damage of any material used with the equipment.

8 How does state law relate to this Warranty?

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

SAFETY GUIDELINES

NEVER exceed the manufacturer's gross vehicle weight or gross axle weight rating for your truck.

NEVER exceed the tire manufacturer's gross weight rating.

NEVER allow yourself or anyone else to go near a reel or any other object that is suspended by any means: hydraulic, mechanical or otherwise.

NEVER increase or decrease the factory relief valve setting. This action automatically voids all warranties and could endanger the operator and/or bystanders.

NEVER operate the truck and HydraBed® Reel Lift on dangerous terrain.

NEVER operate the pump at engine speeds in excess of 3,000 RPM or serious damage may result that will not be covered by warranty.

NEVER allow unauthorized personnel access to the controls for your Hydra Bed® Reel Lift.

ALWAYS use sound judgment and common sense when operating your truck and HydraBed® Reel Lift.

ALWAYS attach trailers or equipment only to factory installed gooseneck hitch or rear drop hitch.

ALWAYS respect the weight of the load you are carrying and allow more stopping distance than normally required for an empty truck.

ALWAYS make certain that there is no foreign material in the arm-receiving areas and/or the area where the arm cross tube assembly comes to rest. Hydraulic pressure will be sufficient to cause damage if the arm assembly is placed in the stowed position over foreign material.

OPERATION

LOAD

MAKE CERTAIN THAT THE UPPER SURFACE OF THE UNIT IS CLEAR.

1. The hydraulic system will turn on when opening the top body toolbox located on the back passenger side corner of the bed (For engine-driven applications only. For PTO applications, follow the PTO manufacturer's instructions to operate the PTO pump).
2. Pull the right handle of the valve toward you and lower the axle engagement jaws to a height lower than the reel's axle.
3. Pull the spring-loaded latches on the axle engagement jaws toward you and lift the latches up.
4. Back the truck up so the engagement jaws are lower than the axle and nearly center with the reel.
5. Raise the engagement jaws until the axle is in the G-shaped slots. Close the latches.
6. To raise the reel, push the right handle of the valve until the load is resting on the flat surface of the Hydra Bed.
7. Close the top body toolbox to turn off the hydraulic system.

Failure to shut off clutch pump will cause it to be damaged at highway speeds.

UNLOAD

1. To unload reel, reverse the previous steps 1 through 5.

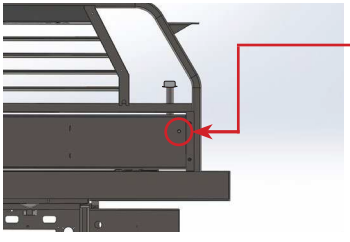
TOOL AUXILIARY (if equipped)

QUICK COUPLERS PROVIDE DOUBLE-ACTING HYDRAULIC CAPABILITIES.

11 GPM at 2,000 engine RPM
2200 Maximum PSI

MAINTENANCE

OIL



1. Maintain oil supply at reservoir check plug level with recommended grade (see **page 3**).
2. Any leaks should be repaired or corrected immediately.

* *to change oil, see filter replacement instructions below*

FILTER

Do not attempt to change oil or filter when oil is hot.

1. Turn truck and system OFF. Place container under oil filter to catch oil.
2. Loosen current filter to allow oil to begin draining. Once oil has stopped draining, completely remove old filter.
3. Clean the filter mounting surface and then lubricate rubber gasket on new oil filter with clean hydraulic oil.
4. Spin new oil filter onto filter housing until it makes contact. Then, tighten oil filter another 3/4 turn.
5. Refill system to reservoir check plug with recommended oil.

LUBRICATION

GREASE MONTHLY OR EVERY 100 CYCLES, WHICHEVER OCCURS FIRST.

Main lift hinge pins *(2 zerks per hinge)*
Engagement jaw latches (1 zerk per side)

MAINTENANCE

ENGINE DRIVEN

BELT TENSION

Efficient power transfer requires proper belt tension. If belts are slipping, re-tensioning and/or replacement will be required.

BELT REPLACEMENT

On serpentine belt applications, use the appropriate size driver or socket to unload the tensioner. Then remove the belt from the pulleys. In applications using a smooth pulley, always install the belt on the smooth pulley last. On most brackets with engines utilizing v-belt drive a hinging pump mounting bracket is used to adjust the belt tension. By loosening this bracket, tension on the belt is released allowing the belt to be removed.

CLUTCH BURNISHING

It is imperative that all clutch pump systems go through a short clutch burnishing period to generate the required torque prior to use. This is a process of cycling the clutch to "break in" the internal friction surfaces. Upon initial HydraBed Reel Lift system run-in, cycle the clutch at a rate of 5 seconds ON – 5 seconds OFF for a total of 25 cycles. Vary the truck RPM between an idle and 1500 RPM throughout this process. The system must be at full pressure during this process. Develop full pressure by lowering the arms to the lowest rearward point and continuing to pull the unload lever. ***It is recommended to repeat this process annually to maintain the maximum torque possible.***

NOTES