# PARTS 4540

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# **SAFETY PRECAUTIONS**



THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY MESSAGES WITHIN THIS MANUAL. CAREFULLY READ THE MESSAGE THAT FOLLOWS THE SYMBOL. FAILURE TO UNDERSTAND AND OBEY A SAFETY WARNING, OR RECOGNIZE A SAFETY HAZARD, COULD RESULT IN AN INJURY TO YOU OR OTHERS AROUND YOU. THE OPERATOR IS ULTIMATELY RESPONSIBLE FOR THE SAFETY OF HIMSELF, AS WELL AS OTHERS, DIRECTLY RELATED TO HIS JOB IN THE WORK AREA.

KUBOTA BACKHOES ARE DESIGNED TO GIVE SAFE, DEPENDABLE SERVICE IF IT IS OPERATED ACCORDING TO INTRUCTIONS. READ AND UNDERSTAND THIS MANUAL BEFORE OPERATING THE BACKHOE. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.

IF YOU HAVE ANY QUESTIONS, CONSULT YOUR KUBOTA DEALER.

Kubota recommends the use of a ROPS (Roll Over Protective Structure) and seat belt when operating the tractor and in almost all applications. Never fasten the seat belt without a ROPS. Do not modify a ROPS in any way. Welding, bending, drilling or cutting any portion of the ROPS may weaken the structure. Do not repair a damaged ROPS. A damaged ROPS structure must be replaced, not repaired or revised. Structural member of the ROPS is demaged, replace the entire structure at your local hybota dealership. Check the seat belt daily are place it if damaged or frayed.

Allow only trained personnel operate or service this equipment. Know and once tand all precautions **before** service or peration. Also read and understand all precautions on the Tractor and Loader Manuals.

For safe operation, check the main attaching wedge bolts at the for tightness **before** each day's operation. Also observe all maintenance and luting attaching procedures, and inspect all hoses, the left hoses, and general fasteners, daily.

Do not allow passengers on the tractor at any time. The operator MUST sit in the seat.

Use the hand rail and mounting steps while getting on and off the backhoe. Keep the steps and operator's platform clean and free of mud, grease or oil, and other debris.

**NEVER** raise or lower a stabilizer, when mounting or dismounting, unless the **swing is locked**.

For an excavation work, operate the backhoe from the backhoe operator's seat only.

. complete front loader, including lift arms and bucket, is required for backhoe stability, at all times.

Make sure the stabilizers and loader bucket are on solid footing and the unit is level before backhoe operation.

When excavating on a uneven terrain, dig with the backhoe uphill.

When you must work on uneven terrain, one stabilizer will be lower than the other. Use extreme care during excavation, as risk of overturn will be increased.

Use care when operating on uneven terrain to avoid an overturn. Travel at speeds compatible with safe operation, especially when operating in uneven terrain, crossing ditches and while turning.

Keep all bystanders away from the swing arc, from under the boom and dipper, and well clear of the backhoe, at all times.

**NEVER** attempt to lift loads in excess of backhoe capacity. See the Specifications within this manual before lifting.

Be sure the lifting chain is correctly and securely fastened to the backhoe bucket before craning. Avoid sudden boom and swing movement.

**NEVER** allow anyone under the backhoe when lifting or craning.

Do not operate close to the edge of the excavation where the weight of the Tractor/Loader/Backhoe could cause a cave-in.

Do not dig under the stabilizers or tractor, especially in soft or sandy soil. Take extra precautions in wet or thawing ground. This soil can become unstable very quickly, and may collapse under the weight of the unit.

To reduce the risk of overturn on a uneven terrain place the spoil on the high side of the excavatio

Keep the backhoe and loader **well clear** chelectrical lines. If in doubt on safe distance, and ct the local power company.

Be alert for buried electrical, telegraphic, or a and water lines. When in doubt, conject he local utility companies for the location of carried lines.

Before transporting the uni, Lise and center the boom, close the buck. and dipper, engage the swing and boom Iron and disengage the power takeoff.

Check local cutes or regulations that may apply to tractor loa 'er/backhoe operation on public streets of highways, before transporting. Use slow moving vehicle (SMV) signs, lock brake pedal to ether and use the tractor flashing lights when traveling on public roads.

Park the unit on level ground whenever possible. Lower the backhoe bucket and both stabilizers to the ground, engage the swing lock, dismount and disengage the PTO. Lower the loader bucket, set the parking brake, shut off the engine, and **remove the key** before leaving the unit.

Before transporting, always securely fasten the tractor/loader/backhoe, with chains and chain binders, to the transport vehicle. Before transporting, determine and note the load height of the backhoe, for underpass clearance.

**DO NOT** change any backhoe control valve relief settings. They have been factory set for best backhoe performance and operator safety.

Never make any repairs, service, or adjustments, when the backhoe hydraulic system is under pressure, when the engine is running, or when any backhoe cylinder is under load.

After vily service, make sure handholds, control levels, steps, and your hands, are free of grease a d oil.

cient force to penetrate into skin, causing serious personal injury. Before applying pressure to the system, make sure all connections are tightened and that lines, pipes and hoses are not damaged.

Fluid escaping from pin holes may be invisible. Do not use hands to search for suspected leaks. Instead, use a piece of cardboard and wear protective eyewear such as safety goggles. If injured by escaping fluid, see a medical doctor at once. Serious infection or reaction may result if proper medical treatment is not administered immediately.

When installing or removing tight fitting pins or bolts, care should be taken to guard against injury from pieces that may chip off of pin, bolt, or object used in striking it. Always use a brass punch or lead hammer, and always wear safety glasses.

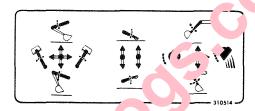
Replace any safety decal that becomes damaged, lost, or otherwise illegible. Replace all decals when repainting. If a part is replaced that has a decal on it, obtain a replacement from your Kubota dealer and install the decal in the same location.

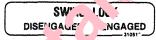
# SAFETY DECALS

Refer to the following representations of decals used on the backhoe, for positive identification, and also to the Parts List for individual numbers and usage location.

Decals are available individually (see Parts List) or in a complete kit, contained in Part Number 70050-02366.

- READ AND UNDERSTAND ALL OF THE SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS FOUND IN THE TRACTOR. LOADER AND BACKHOE OPERATOR'S MANUALS
- FOR ALL EXCAVATION WORK, OPERATE THE BACKHOE FROM THE BACKHOE OPERATOR'S SEAT ONLY.
- A COMPLETE FRONT LOADER, INCLUDING LIFT ARMS AND BUCKET. IS REQUIRED FOR BACKHOE STABILITY, AT ALL TIMES.
- MAKE SURE THE STABILIZERS AND LOADER BUCKET ARE ON SOLID FOOTING AND THE UNIT IS AS LEVEL AS POSSIBLE. BEFORE BACKHOE DEPARTOR
- KEEP ALL BYSTANDERS AWAY FROM THE SWING ARC. AND WELL CLEAR OF THE BACKHOE. AT ALL TIMES.
- DO NOT PLACE SPOIL CLOSE TO THE EDGE OF THE EXCAVATION WHERE ITS WEIGHT MAY CAUSE A CAVE-IN.
- TO REDUCE RISK OF OVERTURN ON A SLOPE. PLACE THE SPOIL TO THE HIGH SIDE OF THE EXCAVATION
- 8. KEEP THE BACKHOE AND LOADER W -L
  OF HIGH VOLTAGE LINES. IF IN DO
- DISTANCE, CALL THE LOCAL POWER COMPANY.
- BE CONSTANTLY AWARE OF THE POTENTIAL FOR BURIED ELECTRICAL, TELEPHONE GAS LINES, ETC. WHEN IN DOUBT, CONTACT THE LOCAL UTILITY COMPANIES.
- 10. USE EXTREME CARE WHEN WORKING ON SLOPES OR UNEVEN TERRAIN KNOW THE LIMITATIONS OF THE BACKHOE AND DO NOT RUSH.
- DISENGAGE THE TRACTOR POWER TAKE OFF AND ENGAGE THE BOOM AND SWING LOCKS **BEFORE** TRANSPORTING.
- 12 LOWER THE BUCKET, BOTH STABILIZERS. AND THE FRONT LOADER TO THE GROUND. SHUT OFF THE ENGINE AND REMOVE THE KEY BEFORE LEAVING THE UNIT.





OPERATE PUMP 540 POSITION ONLY

### INSTRUCTIONS FOR REMOVING & REINSTALLING (Also See Backhoe Operator's Manual

### REMOVING THE RACKHOE

- Locate the tractorilosder/backhoe on a firm level surface. Place the hand throttle at low site, the transmission in neutral, set the parting brake and sngage the tractor PYO.
- MEEPS HANDSIFET OUT FROM UNDER THE BACKHOE WHILE RE 2. Fully assend the boom and depor and set the bucket on the ground becknot used in the storage position, lower both stabilizers and ratio the tracers and the backhoe off the ground.
- Return the boom and dipper to transport and slowly raise the stall the maintines from its brackets. The boom and stablizers  $\pi$  hydraulically adjusted so the backhos sits flat for storage.
- Slowly move the tractor favored, 16 to 16 inches, for rams PTO pump.

### DISENSAGE THE PTO AND SHUT OFF THE TRACTOR BEFORE CONTINUENCE

- Remove the harpin clip and the drawbar pin from the pump frame and slide the pump off of the tractor PTO shaft.
- 7. Drive the tracterinader slowly every from the backhoa.

  COVER THE NYDRAULE TARK ARD POWER TAKE OFF PURP IN
  BUTTABLE WEATHER PROTECTOR DUMING RACKHOE SYDRAGE!

### REINSTALLING THE BACKHOE

THESE INSTRUCTIONS ARE NOT TO BE USED FOR INITIAL (NEW) BACKHOE INSTALLATION. FOLLOW PROCEDURES UNDER "IN." IN THE INSTALLATION INSTRUCTIONS SECTION OF THE OPERATORS MANUAL.

- Back the Instantination, contend, over the backhee from Stop the tractor, 16 to 18 inches away from mount alignment for PTO pump natiohiston.

  MAKE SURE THE TRACTOR PTO IS DISSEBLAGED, THE PARKINGS BRAKE IS SET AND THE EMBRIE IS SMUT OF DEFORE CONTINUISE.
- Side the PTO pump onto the tractor shelt, metall the draw bottom and metall the harpen clip.
- Start the tractor engage the PTO and position the tractor on the brackets are directly over the monificane pudds.

  Place the land throatils at low side, the transmission in neutral and sort the parking brate.
- BEFORE ATTACHING, MAKE SURE THE SWING LOCK IS STILL ENGAS

## Lower the stabilizers and raise the rear of the mainframe approximant of the storage surface.

- KEEP HARDSIFEET OUT FROM UNDER BACKINGE WHILE REATTACHS

- Lower the stabilizers and raise the rear of the maint the remaining wodge bolts and nuts and tighten.

AFTER W. TO WHOUR OF OPERATION, CHECK ALL WEDGE BOLT MITS AND MAKE SURE THEY ARE THAT, RECHECK BUT TRATTERS DAM, Y.



**CAUTION: REPLACE ANY SAFETY DECAL THAT** BECOMES DAMAGED, LOST, OR OTHERWISE ILLEGIBLE. REPLACE ALL DECALS WHEN REPAINTING.

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