



OPERATORS MANUAL



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The following safety requirements should be read in conjunction with the safety rules provided for the base model, ie, Kanga Loader, Kanga Kid and the operating instructions. All tasks and risks associated with the task are identified using the Job Safety and Environmental Analysis (JSEA) or Risk Assessment (RA) and ALL risk controls are to be identified and implemented before the work commencing.

LOG SPLITTER SAFETY RULES



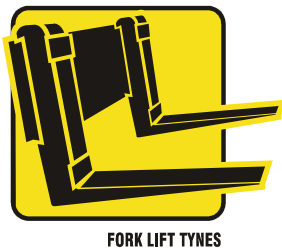
Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the local working area and ensure no person enters this zone, other than the operator, whilst the machine's engine is running.
- Use leather gloves to protect hands from wood splinters.
- Clear split logs away from the base of the machine, to ensure they do not interfere with the operation of the log splitter. When clearing away the split logs, ensure that the machine is shut down and the pressure released from the hydraulic controls.

Never...

- Place any article or body part under the log splitter at any time.
- Place any attachment, article or body part in the zone of travel of the log splitter.

FORK LIFT TYNES SAFETY RULES



Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the local working area and ensure no person enters this zone, other than the operator, whilst the machine's engine is running.
- Keep the general working area clear of bystanders and other workers. Loader operations typically rely on rapid movement and direction changes. It is important, therefore, that the whole operation area is kept clear of other personnel and operators maintain vigilance about their immediate surroundings.

Never...

- Place any article or body part under the tynes at any time.
- Carry passengers, either on the machine or on the tynes of the forklift.
- Overload the machine or tynes.
- Travel with the tynes raised, especially when carrying loads.

ANGLED BACK-FILL BLADE SAFETY RULES



Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the local working area and ensure no person enters the zone, other than the operator, whilst the loader engine is running.
- Keep the general working area clear of bystanders and other workers. Loader operations typically rely on rapid movement and direction changes. It is important, therefore, that the whole operation area is kept clear of other personnel and operators maintain vigilance about their immediate surroundings.

Never...

- Place any article or body part under the angled back-fill blade at any time.

TRENCHER SAFETY RULES



Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the working area and ensure no person enters the zone, other than the operator, whilst the loader engine is running.
- Check with Local Authorities, and Land Owners about the presence of underground services within the prospective working area prior to commencement of work and dial **1100** to establish underground services before work commences.
- Ensure trenches are located a minimum of 2 metres away from any underground service.

Never...

- Place any article or body part under the trencher at any time.

POST HOLE AUGER & TREE PLANTER AUGER SAFETY RULES



Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the working area and ensure no person enters the zone, other than the operator, whilst the loader engine is running.
- Check with Local Authorities, and Land Owners about the presence of underground services within the prospective working area prior to commencement of work and dial **1100** to establish underground services before work commences.

Never...

- Place any article or body part under the auger at any time.

ROTARY HOE (TILLER) SAFETY RULES



Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the local working area and ensure no person enters the zone, other than the operator, whilst the machine's engine is running.

Never...

- Place any article or body part near or under the Rotary Hoe at any time.
- Carry out maintenance of any type whilst the Rotary Hoe is attached to the loader or any other power source.

BUCKET BROOM SAFETY RULES



Always...

- Establish and maintain a minimum 4 metre (12 foot) exclusion zone around the local working area and ensure no person enters the zone, other than the operator, whilst the loader engine is running.
- Keep the general working area clear of bystanders and other workers. Loader operations typically rely on rapid movement and direction changes. It is important, therefore, that the whole operation area is kept clear of other personnel and operators maintain vigilance about their immediate surroundings.
- Wear respiratory and eye protection whilst using the Bucket Broom.

Never...

- Place any article or body part under the bucket broom at any time.

TRENCHER OPERATING INSTRUCTIONS

BEFORE YOU START

The Trencher will have a Tension Spring Compressor tool attached to the trencher arm. This tool is required to compress the arm tensioning spring to allow the chain to be removed. This **must** be removed prior to trenching.

FITTING A TRENCHER

Position the trencher so it is possible to engage its mounting plate with the loaders mounting plate raise it slightly to allow the locking pins to be engaged. Turn the engine off, move the AUX control lever to release the hydraulic line pressure. Clean the hydraulic fittings (QRC's) and then connect them to connections A & C (see "Hydraulics General Description" section).

Removal procedure is a reverse order of the above. Remember to always reconnect the hoses into a loop to stop dirt entering the hydraulic system or fit the dust caps supplied.

PRE-OPERATION CHECK

Ensure that the trencher is securely attached to the Kanga Loader. Check that the couplings are engaged and check all joints for leaks. Tighten / repair as required. Inspect the cutting teeth, Ensure that they are in good condition and firmly attached.

Chain Tensioning:

The trencher chain requires 35-45mm of "lift" to have the correct tension and should be adjust as required. This is achieved by loosening the 16mm bolt, adjusting the wedge, and retightening the bolt.

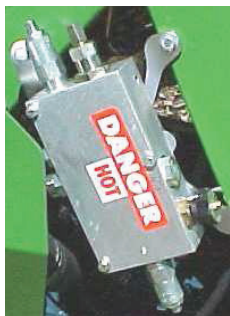
OPERATING INSTRUCTIONS



CAUTION: Read all safety rules before operating. See Safety chapter in this manual.

Position the trencher, activate the AUX lever so that the chain runs along the top of the boom and returns back towards you on the underside. Pressurise the TILT ram so that the boom and chain arcs down to dig a trench. When the desired depth is achieved slowly drive the Kanga Loader backwards along the trench line.

SETTING THE TRENCHING VALVE



TRENCHER VALVE
SPEED
REGULATING
VALVE (BLACK
KNOB)

(LH side of the loader) This is a load sensing valve which can be set to automatically regulate the speed of travel when trenching. Use the black knob (Fig A) to shut off the valve (turn clockwise). With the trencher cutting to the required depth start moving backwards using the drive levers, open the valve (1/2 a turn) and this will regulate the travel speed. Further adjustment of this valve will vary the cutting speed to suit the conditions and the operator's experience.

NOTE: Minor adjustments are required to maintain a straight line as the loader will tend to "drift" to the left.



CAUTION: Prior to commencing any digging check with the local authorities and the land owner that there are no buried services (eg. power, phone, water, gas, sewage) in the area.

Australia ONLY: Phone 1100 "DIAL BEFORE YOU DIG"