# Safe Operating Procedures

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| Make: | Toku |
| Model: | TNB-310 |
| Type: | Percussion Hammer - Attachment |
| Serial Number: | 11573 |
| Plant Number: | 31R |

## Recommended PPE - Subject to Company & Site Policy

## SOP Percussion Hammer - Attachment

### GENERAL & START UP

Read & understand manufacturer's operational manual
Complete pre-operational checklist (never use faulty or defective machinery)
All operators must be free from direct and after effects of alcohol and drugs
Ensure that an appropriate, charged fire extinguisher is available in the carrier unit
Ensure carrier unit and percussion hammer are compatible
Ensure percussion hammer is properly attached to carrier unit prior to operation
Know your carrier unit, its attachments and how they work
Ensure work area is clear of all bystanders and hazards prior to starting engine and operating machine
Once engine is started confirm control pattern and machine function
Use care in close proximity to operator work area, do not contact carrier machine with percussion hammer
Never touch any part of the percussion hammer or hydraulic hoses after operation due to excessive heat

### COUPLING

**ALWAYS:**
- wear gloves when handling hydraulic lines
- ensure all hydraulic lines are connected correctly and free from leaks and damage (never use your hands to check for leaks, use wood or cardboard)
- ensure lynch pins and clips are correctly attached prior to operation
- ensure that a mechanical safety system such as a safety pin and lynch pin is present and engaged at all times whilst this item of plant is in operation (Semi-automatic quick hitches only)

**NEVER:**
- use fingers to line up holes on linkage arms
- attempt to connect hydraulic couplings with carrier unit running

### UNCOUPLING

**ALWAYS:**
- lower hammer so that it is safely and sturdily supported on level ground before disconnection
- ensure all couplings, hydraulic lines and electrical fittings are disconnected prior to uncoupling
- ensure hammer is stored in a manner to reduce likelihood of hazards, store hammer on a purpose built stand or lay flat on the ground positioned so it can be readily re-attached to machine without the need for manual movement or repositioning

**NEVER:**
- attempt to disconnect hydraulic couplings with carrier unit running
- force hammer into the ground and uncouple

### OPERATION

**ALWAYS:**
- ensure work area is clear of all bystanders and hazards prior to starting engine and operating hammer
- close the front screen / splinter guard on the operator cabin to avoid injury from debris

**NEVER:**
- start the hammer until in the correct working position and contact pressure is applied
- lever the material with the hammer
- operate the percussion hammer with hydraulic cylinders fully extended or retracted as this can cause serious damage to carrier unit

Know the location of any utility services in the construction area, damage to gas or power lines could lead to a electrocution, fire or explosion
Refer to power line approach distance label re safety around power lines
Never operate the hammer in an environment where flammable gases could be present
Always hand excavate in close proximity to services taking material to be excavated into consideration
Always provide sufficient ventilation when working in buildings or confined areas

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## MAINTENANCE

Maintain percussion hammer with care, inspect hoses periodically and if damaged, have repaired by authorized service facility (never use your hands to check for leaks, use wood or cardboard)
Stop engine if the percussion hammer starts to vibrate abnormally
Follow OEM instructions for lubrication and changing accessories

## Operator Signature:

Name: _____ Date: _____ Signature: _____