

cyclone winches

PORTABLE CAPSTAN WINCH

OPERATING & MAINTENANCE INSTRUCTIONS

These Operating and Maintenance Instructions should be read carefully and understood by all operators prior to winch operation. The safety of the Operator and others within the vicinity of the Winch and Load is of paramount importance. This information alerts the Operator to potential hazards associated with the operation of our Capstan Winch products.

CARELESS OPERATION OF THIS WINCH MAY RESULT IN DAMAGE TO THE EQUIPMENT, SERIOUS INJURY OR FATALITY. THIS OPERATING GUIDE MUST BE READ AND UNDERSTOOD AND THE SAFETY PRECAUTIONS IMPLEMENTED BEFORE THE WINCH IS OPERATED.

!!! Important Note !!!

Whilst these notes are designed to provide essential information about the operation and hazard identification for our winches, they're not comprehensive. Trained operators are responsible for their own safety and other personnel in the vicinity of the moving load. Operators must carry out their own Risk Assessments and follow the start up procedures detailed within this document.

**Also refer to Honda Operating and Maintenance Instructions
(Supplied with your Capstan Winch)**



NEVER EXCEED THE MAXIMUM LOAD RATING. THIS WILL CAUSE NON-REVERSIBLE DAMAGE TO THE EQUIPMENT. IF THE LOAD DOES NOT MOVE WITH REASONABLE EASE THEN STOP IMMEDIATELY. CONTACT US FOR FURTHER ADVICE.

HEALTH & SAFETY

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide. Make sure you know how to operate this equipment safely and be aware of its limitations before you use it.

REMEMBER: You are responsible for the safety of all persons within the work area.

- ✓ This equipment is designed to be used by an able bodied, trained operator who has read and understood these instructions.
- ✓ Never use this equipment if you are feeling ill, tired, or under the influence of alcohol or drugs.
- ✓ Keep children, animals and bystanders away from the work area.
- ✓ Cordon off a 'restricted area' using cones, barriers or tape.
- ✓ Display warning signs around the restricted area to warn others 'DO NOT ENTER'.
- ✓ If unavoidable and others are working within the restricted area or vicinity you must ensure that they are warned of what you are doing and they stand a good distance away from the moving load.
- ✓ ALWAYS anchor the winch to a secured point that is able to withstand the force of the moving load.
- ✓ Never exceed the equipment's safe working load (Check the rated capacity if unsure).
- ✓ Wear practical, protective clothing, gloves and footwear at all times.
- ✓ DO NOT wear loose clothing or jewellery that may become tangled with moving parts.
- ✓ Always carry out a risk assessment before moving any load.
- ✓ Assess ground and weather conditions on the day - delay winching if conditions are not safe.
- ✓ Ensure that the work area is well lit and ventilated.
- ✓ Do not work near flammable gases or liquids. Combustibles must be stored at least 5m away.
- ✓ Ensure that the coupling guard is secured in place before operation.
- ✓ !!! IMPORTANT !!! ALWAYS check that the safety cut out switch is working before use.
- ✓ During use, operators should stand a good distance away from the winch.
- ✓ Always keep feet and hands well away from the capstan whilst the machine is running.
- ✓ This equipment is heavy, never attempt to lift it on your own, always seek help.
- ✓ Always switch OFF the engine when the winch is not in use.
- ✓ The engine (particularly the exhaust) will become very hot during operation. ALWAYS switch OFF and allow the engine to cool before touching it.
- ✓ NEVER operate petrol engines indoors or in a confined space. The exhaust gases can kill.
- ✓ NEVER refuel while the engine is hot or running.
- ✓ NEVER smoke or allow naked flames in the refuelling area.
- ✓ ALWAYS mop up fuel quickly if it is spilt and change your PPE if it becomes splashed with fuel.
- ✓ ALWAYS store fuel in suitably sealed containers.
- ✓ ALWAYS store fuel containers in a cool, safe place, well away from the work area.

!!! DANGER !!!

OPERATOR MUST UTILISE A ROPE JAMMER / SIMILAR FAIL SAFE DEVICE OR ADDITIONAL AND TOTALLY INDEPENDENT SAFETY LINES TO THE SYSTEM WHEN USING THIS WINCH FOR HOISTING (ESPECIALLY WHEN HOISTING PERSONNEL).

NOTE: MAXIMUM SWL IS 200kg (LIFTING) & 2000kg (PULLING)

!!! STOP & THINK !!!

!!! Carry out a RISK ASSESSMENT BEFORE winching !!!

!!! IF IN DOUBT – CONTACT US FOR ADVICE !!!

START-UP PROCEDURE

- ✓ CHECK fuel tank contains sufficient unleaded petrol prior to start up.
- ✓ CHECK that the grade and level of oil in the Engine is correct (refer to Honda Manual if unsure).
- ✓ Please note: Our Capstan Winches are drained of Oil and Petrol following testing so that they may be transported/delivered safely to the Purchaser. The purchaser must add Petrol and Oil to the correct levels prior to first Operation as failure to do so will result in damage to the equipment for which the warranty will be void (Oil should be filled until it starts running out of the engine).
- ✓ NOTE that the Gearbox is a sealed unit - no oil is required.
- ✓ CHECK that ALL bolts, rope guides, tie-offs, Coupling Guards and Capstans are secured, in place and in a good condition BEFORE start-up.
- ✓ Turn red control knob mounted on the side of the engine to the ON position.
- ✓ SET the throttle to approximately ONE-QUARTER OPEN.
- ✓ SET the choke to FULLY CLOSED (return to open when engine has started).
- ✓ SET safety cut out switch to OPEN.
- ✓ START the engine by pulling on the recoil rope pull.
- ✓ ADJUST the engine speed to suit the applied load.
- ✓ CHECK that the safety cut out switch is working BEFORE use.

HINT: For first time users, practice a few times with a dummy load until you get used to its operation.

SECURING THE WINCH

The winch is supplied with 2 Number holes to the support legs to enable the unit to be secured to the ground. In addition the front extension pieces has been fitted with a manhole brace.

Alternatively, (for a more permanent mounting) holes may be drilled through the box section and the winch secured using Thru' Bolt anchors (Min 4No. M12 GRADE 8.8 bolts) into concrete or similar materials.

OPERATING PROCEDURE

- ✓ Following satisfactory implementation of the above Health and Safety Guidelines, Risk Assessment and start-up procedure you are now ready to commence winching.
- ✓ BEFORE winching any load the Capstan Winch must be secured to a suitably fixed anchor point.
- ✓ Thread the rope through the front rope guide.
- ✓ Wrap the rope around the drum slowly, taking special care not to become tangled with moving parts.
- ✓ The rope is then to be passed through the rear.
- ✓ To pull the load, simply take a firm hold of the rope at the rear of the unit and exert a slight pulling force. The rope will tighten up on the capstan and the capstan will take up the load.
- ✓ Note that the rope will only move if you are applying a pulling force.
- ✓ Take your time and don't overdo it. You are more likely to have an accident if you are tired or rushing.

DURING OPERATION

- ✓ Regularly check the fuel level and top up as necessary with unleaded petrol.
- ✓ Regularly check the oil level - when the engine is cold and on level ground. Withdraw the dipstick, wipe it clean, then replace it, remove it a second time and verify that the oil level is between the Min and Max lines, top up as necessary.
- ✓ NOTE: The engine is fitted with an Oil Alert that will automatically cut-out the engine when oil levels are low. We therefore recommend the winch is positioned on level ground so that the safety device does not prevent operation of the winch.

PERIODIC MAINTENANCE

- ✓ Following the first 20 Hours operation, remove the Coupling Guard and INSPECT the Flexible Couplings condition, free rotation and ensure the Coupling is secured to the shafts. Tighten grub screws if necessary. Replace the Coupling Guard following Inspection. Repeat periodically.

!!! REMEMBER !!! Refer to the Engine & Gearbox O&M Manuals for Instructions on the correct Operation, Cleaning and Maintenance Procedures.

The warranty is subject to following the conditions set out by the respective manufacturers.

STORAGE & CLEANING

- ✓ Following Operation, wait for the winch to cool before cleaning with a slightly dampened cloth.
- ✓ When not in use, store the equipment in a clean, dry and safe place away from unauthorised users.
- ✓ Take special care of the Capstan. Small surface corrosion should be removed by using a fine emery cloth to polish the surface of the Capstan. Should the Capstan be showing deeper levels of corrosion it must be replaced immediately to prevent damage to and potentially failing of ropes.