

# MAINTENANCE GUIDE

For engine maintenance please refer to engine manufacturers manual.

After every hour of operation stop the engine and remove the spark plug cap. Check engine oil level (recommended oil SAE 10w/40).

Remove all foreign matter from the digging chain.

Visually inspect the machine for any damage.

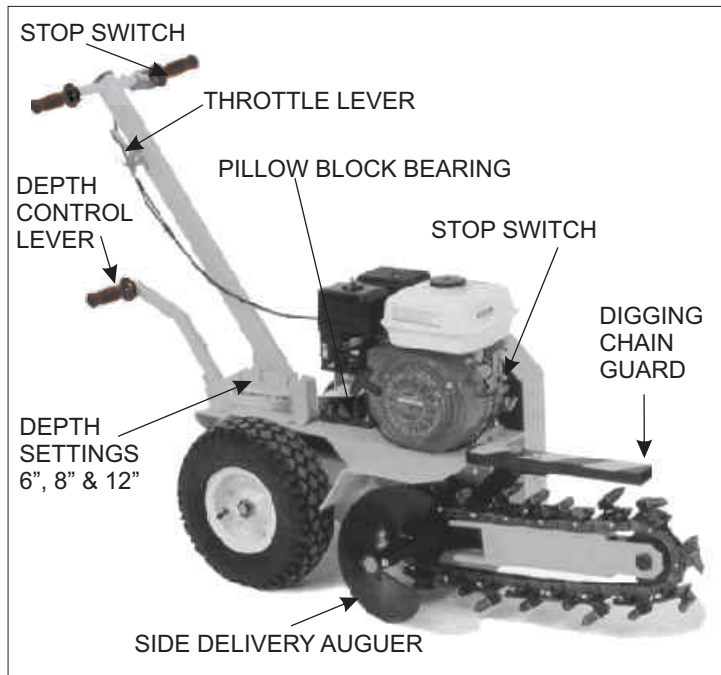
Lubricate wheel bearings.

Replace the spark plug cap.

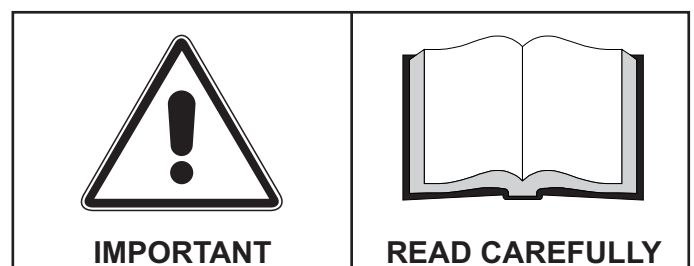
Do not turn the machine on its side for cleaning.

## OPERATING INSTRUCTIONS & SAFETY NOTES

# CAMON TRENCHER TR12



VIBRATION & SOUND LEVELS			
Machine	RPM	Vibration m/sec <sup>2</sup> 3 Axis	Sound Level dB(A)
TR12 Trencher	3600	4.5	94.0



WEAR EAR  
PROTECTION



WEAR EYE  
PROTECTION



WEAR SAFETY  
FOOTWEAR

**No liability will be accepted for any damage caused to persons or property through failure to observe the operating and safety instructions.**

## SAFETY

- ALWAYS** start the engine in the open air
- DO NOT** smoke when refuelling
- DO NOT** mix OIL with the fuel
- ALWAYS** stop the engine before making any adjustments, refuelling, moving or cleaning, or when the unit is unattended
- USE ONLY** unleaded petrol from fuel containers designed for this purpose - refuel outdoors only and replace the tank cap securely
- IN CASE** of petrol spillage move the machines away from the area of spillage and allow the petrol vapours to dissipate before starting the engine
- DO NOT** remove any safety guards that are fitted
- DO NOT** touch any moving parts or attempt any maintenance whilst the machine is running - **KEEP HANDS AND FEET AWAY**
- BEFORE** starting work clear the work area of any objects that could damage the machine and check for underground pipes or cables - if in doubt contact the necessary authority as a cut electrical cable or gas pipe could result in serious injury or fatality
- DO NOT** allow children or anyone uninstructed to operate the machine - **KEEP ANIMALS AWAY**
- DO NOT** use on slopes
- ALWAYS** wear suitable clothing to give personal protection including footwear that offers a good grip
- AVOID** wearing loose garments that may catch in moving parts
- KNOW** how to stop the machine in an emergency
- NEVER** interfere with any control settings on the engine
- IF A FAULT** develops **DO NOT** attempt any repair - immediately contact the supplier from whom the machine was obtained
- VISUALLY INSPECT** the machine before use - ensure all tines, nuts and bolts are tight and not worn or damaged and replace tines if necessary
- KEEP IN MIND** the operator is responsible for accidents or hazards occurring to people or property
- WEAR** eye and ear protection and protective footwear

## TO START ENGINE

- Using the dipstick provided, check the engine oil level - ensuring the machine is on level ground. Top up with 10w/40 oil if necessary (if the dipstick is clear of oil).
- Check fuel level. Only use unleaded petrol from a clean container. Never re-fuel when the engine is hot or running. Leave 1" air space in the fuel tank.
- Turn fuel tap to 'ON' position.
- If the engine is hot, set the control to 'FAST'.
- If the engine is cold, move the choke lever to 'ON' position.
- Depress the deadman's handle on the left-hand handlebar and hold in position.
- Pull the recoil start handle gently until it is engaged, then give the handle a strong pull to start the engine.
- If the choke was used, move the choke lever to 'OFF' position when the engine has started.
- Lower the throttle lever to engine tick-over.
- NB:** The engine is equipped with a centrifugal clutch which may cause the digging chain to rotate until the engine speed is reduced to tick-over. Ensure the chain is not touching the ground before starting the engine.

## CAUTION

The Trencher is intended to dig in soils only. It is not to be used for cutting through rock, concrete, asphalt, wood, metal or any object that is not of a soil type. Attempting to do so may cause personal injury to the operator and damage the machine.

## OPERATION

- WARNING:** USE A CABLE AVOIDING TOOL TO ENSURE THERE ARE NO UNDERGROUND PIPES OR CABLES BEFORE COMMENCING DIGGING OF THE TRENCH.
- Allow the engine to warm up for 1 - 2 minutes on tick-over.
- Push down on the handlebar to raise the digging bar.
- Move the depth control lever forward until it locks in the first notch.
- NB:** The depth control lever is operated by lifting the lever until the lock is clear of the notch in the side plates. Slowly move the lever forward until the digging bar is at the first notch. Insert the lock into the notch to set the digging depth. Notches are set at approximately 6, 10 and 15 inches.
- Increase the engine speed to ½ throttle and lower the digging bar by allowing the handlebars to raise. This allows it to dig to its set depth.
- If a deeper depth is required, slowly move the depth control lever forward until the desired depth is achieved.
- Set the engine speed at full revs for best digging penetration.
- Pull back on the handlebars until the ratchet on the wheels moves back one click.
- Once the bar has cleared the soil from the trench, repeat the process.

## TO STOP ENGINE

- Close the throttle.
- Release the deadman's handle.
- Turn the ignition switch to 'OFF' position.
- Turn the fuel tap to 'OFF' position.
- WARNING: THE EXHAUST COVER MAY BE HOT - DO NOT TOUCH**

## OPERATING HINTS

- The operator must have a firm grip on the machine and be ready to control it when the digging bar comes in contact with the ground. The digging chain has a tendency to pull the Trencher in the opposite direction. Be sure the digging teeth are not in contact with the ground and other objects when starting the engine and that the wheel locking device is engaged before lowering the digging bar into the ground.
- Under certain difficult soil conditions the machine may tend to jump if encountering hidden objects. The machine must be stopped and the obstruction removed before continuing the trench.

## FINISHING OFF

- When the trench is finished, switch off the engine.
- Using the depth control handle, raise the digging bar out of the trench and lock it in the rear most notch.
- The Trencher can now be moved.
- WARNING:** Do not move the Trencher to and from site with the engine running.