

## Garden Shredder Chipper



**AUTHORISED  
DEALER**



The Camon Garden Chipper Shredder has been designed by Tracmaster for chipping wood up to 55mm (2") in diameter.

The benefit of chipping branches of wood is to reduce its volume to a smaller volume. Additionally, wood chippings can be used as a mulch or in the creation of compost.

The blade on this machine is designed to chip wood only.

Do not use the CAMON C50i Chipper for chipping any material other than wood. Metal will cause significant damage to the chipping blades and machine.

### Description

This garden chipper shredder consists of a single infeed chute and a single discharge chute.

It has one chipping blade that works against an anvil, or fixed blade, that is attached to the inside of the rotor housing below in the infeed opening of the machine. The machine is powered by a petrol combustion engine which is connected to the rotor disc via a v-belt drive.

The infeed chute can be removed for storage purposes and the discharge chute can be rotated to reduce the overall width of the machine during transportation and storage. Both infeed and discharge chutes have lockout switches fitted to prevent the machine being used when the chutes are not located correctly.

The machine is moved by tilting it onto its two wheels and manually pushed in the direction of travel. Two handles located on the in-feed chute provide locations for your hands when transporting the machine.

Cross bars at the front and rear of the chassis provide lifting handles for two people and tie down positions for the machine during transportation on a vehicle.

## Infeed Chute

The infeed chute must be connected to the chute bracket on the rotor housing for the Garden Chipper to function. Without the in-feed chute being fitted, the Honda engine will not start.

The infeed chute is fitted onto the housing bracket of the chipper housing using the locating lugs at the bottom of the infeed chute. The pin that is welded to the bottom of the infeed chute is slid into the lugs and the whole chute is rotated so that the bottom face of the infeed chute is against the front flange of the bottom bracket. The chute is secured firmly in place using the latch on top of the chute that connects to a bracket on top of the chute bracket.

**NB: THE INFEED CHUTE IS LARGE AND HEAVY AND MUST ONLY BE FITTED BY SOMEONE WHO CAN COMFORTABLY LIFT IT. WHEN ROTATING THE CHUTE INTO POSITION CAUTION MUST BE REQUIRED TO AVOID PINCHING OF FINGERS OR TRAPPING OF CLOTHES.**

## Chipping Blade

A chipping blade must be fitted to the rotor disc of the machine for it to be able to function in the manor for which it is designed. Without a chipping blade the machine will not chip wood, and damage to the machine is likely to occur.

The chipping blade must be kept sharp to efficiently chip wood.

A blunt chipping blade will cause damage to the machine.

## Discharge Chute

The discharge chute swivels from a storage position into its operating position. The Honda engine will not start unless the discharge chute has been moved into its working position. A hook on a spring is used to hold the discharge chute in place.

### **WARNING:**

**KEEP YOURSELF AND BYSTANDERS CLEAR OF THE DISCHARGE CHUTE DURING OPERATION.**

## General Safety Instructions

- Be aware of all the safety requirements for the machine.
- Visually check the machine for operational safety, complete components and fixed guarding prior to each use.
- Read and be aware of the warning and instruction signs located on the machinery.
- Cordon off the work area to access from the general public.
- Before starting work clear the area of any objects that may cause damage to the machine.
- Do not operate the machine if you are under the influence of alcohol or drugs. This equipment must only be operated by persons who are medically fit both physically and mentally.
- Only work in good light and visibility.
- Clothing should not be loose, and footwear should offer good grip.
- Know how to stop the machine in an emergency.

## Engine Specific Safety Instructions

- Always ensure the engine is turned off when transporting the machinery, cleaning the machinery and making adjustments.
- Always start the engine in open air. Starting an engine within a confined space can lead to the inhalation of toxic substances.
- Do not smoke or use a naked flame when refuelling.
- Only use unleaded petrol from fuel containers designed for this purpose. Refuel outdoors only and replace the fuel tank cap securely.
- Do not mix oil with the fuel.
- Leave one inch of space in the fuel tank during refilling.
- Clear up any petrol spillages immediately.
- Avoid contact with the engine during operation as it will become hot. Leave the engine to cool prior to contact.
- Never interfere with the control settings of the engine.
- Never refuel indoors.
- If fuel is spilled do not attempt to start the engine but move the machine away from the area of spillage before starting.
- If the fuel tank is drained this should be done outdoors.
- DO NOT TAMPER with the engine control settings. The machine is set to optimum working speed and protects the engine and the chipper from damage caused by over speed.
- Pull the engine recoil handle slowly until it engages then pull hard and fast to start the engine.
- After the start, guide the cord back into its position. Do not let it snap back.
- Once the engine has started, if the choke lever has been used, return this to its OFF position after the engine has run for a few seconds.

## To Stop the Engine

1. Switch the engine ON/OFF switch to the 'O' off position.
2. Turn the fuel tap lever to the OFF position.
3. Ensure the blades have stopped rotating prior to moving the machine.

WARNING: THE EXHAUST COVER MAY BE HOT – DO NOT TOUCH.

## Safety Equipment

When using this machine, the following PPE are recommended.

1. Ear Defenders
2. Gloves
3. Protective Footwear
4. Safety Glasses

## Operation

- Before starting the machine, look into the infeed chamber to ensure it is empty.
- Keep your face and body away from the feed intake opening.
- Keep proper balance and footing at all times
- **WARNING:** Do not operate the machine on a paved or gravel surface where ejected material could cause injury.
- Increase engine to FULL throttle and allow the machine to build up to its FULL operating speed.
- Ensure the maximum thickness of timber is not exceeded. Timber less than 25mm (1") in diameter usually self-feeds through the machine. If it is over 25mm (1") in diameter, it may be necessary to pull the timber back to avoid over-feeding if the engine speed starts to drop.
- Always put the thickest end of the branch into the chute first.  
FAILURE TO OBSERVE THIS PRECAUTION WILL CAUSE DAMAGE - correct feed pressure and engine speed is important to reduce the possibility of damage to the machine.  
DO NOT pull out or push in the short end pieces with hands. Use the next branch to feed the short end through the chipper each time. BE CAREFUL - short ends sometimes feed themselves through the chipper but are occasionally thrown out.
- Clear processed material regularly; do not allow it to build up underneath the machine.
- Empty the collection bag regularly if used.
- NEVER overload the machine.
- NEVER put anything other than wood into the infeed chute. If the machine strikes a foreign object or if the machine should start to emit unusual noise or vibration, then shut off the machine and allow it to stop. Disconnect the spark plug wire from the spark plug before inspecting for damage, checking for loose nuts and bolts and replace any damaged parts.
- NEVER stand in front of the chipper chute when the machine is operating.
- NEVER position the machine on a ledge higher or lower than the operator. Machine and operator must be on the same level.
- ALWAYS operate the machine a FULL throttle
- ALWAYS allow the machine to run at full speed for 2 minutes before switching off.
- Allow the machine to cool down before moving the discharge and in-feed chute for transportation.
- **WARNING** - The exhaust may be hot.
- **TURN OFF THE FUEL TAP BEFORE TRANSPORTING THE MACHINE.**
- **FAILURE TO OBSERVE THESE POINTS MAY RESULT IN PERSONAL INJURY.**
- If you are using the collection bag over the discharge chute then ensure it is not obstructing the exhaust as damage to the bag will occur from a hot exhaust.
- Never stand on the discharge side of the machine or directly in front of the chipper chute.  
**KEEP TO ONE SIDE.**
- **DO NOT ALLOW** processed material to build up in the discharge zone.
- If the machine becomes clogged at the inlet opening or discharge chute shut off the engine and allow the machine to stop. Disconnect the spark plug wire from the spark plug before clearing any blockage. **WARNING:** A build-up of material is a fire hazard.
- Keep all guards in place and in good working condition.
- **DO NOT TRANSPORT** the machine when the engine is running.
- Shut off the engine and disconnect the spark plug wire from the spark plug whenever you leave the work area.

### Procedure for Unexpected Shut Down

- Turn the engine operating switch located on the engine to the OFF position.
- Ensure that the rotor disc and blade have stopped rotating prior to moving the machine.

#### WARNING:

ALWAYS TILT THE C50i CHIPPER AWAY FROM THE AIR FILTER TO AVOID OIL IN THE ENGINE FLOODING INTO AREAS WHERE IT WILL CAUSE DAMAGE.

### Residual Risks of the Garden Chipper

The rotor disc will continue to rotate for a couple of seconds once the engine has been switched off. Ensure that the blade has stopped rotating prior to moving or tilting the machine.

The Chipper is designed to be pushed by the operator during transportation. It has no brake system, and the operator must position the machine only on flat areas during operation.

Do not fill the fuel tank with petrol when the engine exhaust is hot

Wait until the engine exhaust is cool before refilling the petrol engine with petrol. Spillages of fuel onto the hot exhaust could result in fire and/or explosions.

DO NOT OPERATE THE C50i ON SLOPED AREAS OR AT AN ANGLE.