

 **TRACMASTER**
The landscape machinery specialists



CAMON C50i Portable Chipper

ORIGINAL INSTRUCTION MANUAL



Manufactured by Tracmaster Ltd

Before commissioning the machine, read operating instructions and observe warning and safety instructions.

Manufacturer Details

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Machine Details

Model: CAMON C50i Chipper

Serial Number:

Engine Serial No:

Date of Purchase:

Supplier:

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1.0 What the Machine is Designed For

1.1 Applications

CAMON C50i Chipper has been designed by Tracmaster Ltd 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 of the CAMON C50i Chipper 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.

1.2 Description

The CAMON C50i 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 the C50i 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 also tie down positions for the machine during transportation on a vehicle.

2.0 Specifications

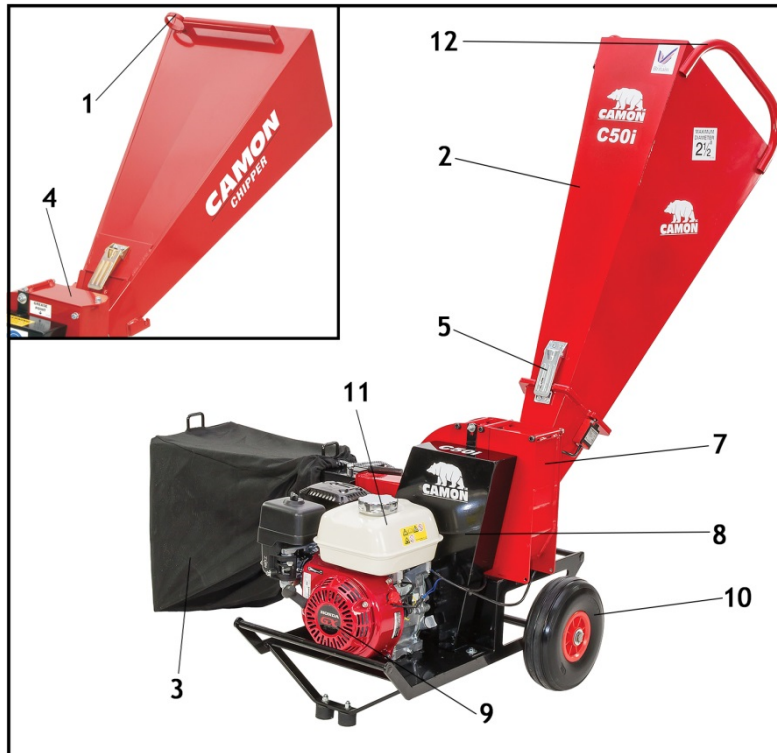
ENGINE	
Engine Manufacturer	Honda
Engine Model	GX160 / GX200 / GP200
Engine Type	4-stroke OHV, single cylinder
Net Engine Power	4.1kW (5.5hp) @ 3600rpm
Engine Shaft Size	¾" straight
Spark Plug	BPR6ES (NGK) / W20EPR-U (DENSO)
Spark Plug Gap	0.70 - 0.80mm
Engine Ignition Type	Recoil
Cold Start System	Choke
Fuel Tank Capacity	3.1 litres
Fuel Type	Unleaded
Fuel Consumption	1.7 litres per hour @ 3600rpm
Air Filter	Paper
Rated Engine Speed	3600rpm
Engine Oil	10w/30 API SJ or later
Engine Oil Capacity	0.6 litres
Dry Weight	16.1kg

The power rating of the engine indicated in this table is the net power output tested on a production engine for the engine model and measured in accordance with SAE J1349 at a specified rpm.

MACHINE	
Model	C50i
Chipping Capacity	55mm
Wheel Types	Foam-filled
Sound Power Level	114 dB(A)
Weight	59kg
Dimensions (l x w x h)	68 x 58 x 60cm

3.0 Unpacking and Assembly

3.1 Major Components Diagram



- 1 Capacity Gauge (NB: Not fitted on current chutes)
- 2 Infeed Chute
- 3 Collection Bag
- 4 Service Hatch (NB: Not fitted on current housing)
- 5 Locking Latch
- 6 Bottom Bracket
- 7 Rotor Housing
- 8 Belt Guard
- 9 Engine
- 10 Wheel
- 11 Fuel Tank
- 12 Transportation Handles

3.2 Unpacking Instructions

Open the top of cardboard box.

Cut the box open by using a sharp knife to cut down through the four corners of the box.

4.0 Safety Instructions – Pre-Operation

4.1 Basic Safety Instructions

Persons under the age of 16 must not use this machine.

Before starting the machine, read and understand these operating instructions. Children and frail individuals are not to operate the CAMON C50i Chipper.

THE CAMON C50I CHIPPER MUST NEVER BE USED INSIDE OR IN CONFINED SPACES.

WARNING: ALL GUARDS MUST BE KEPT ON THE MACHINE WHEN OPERATING THE CAMON C50I CHIPPER.

Do not operate this machine in the vicinity of bystanders.

4.2 Main Components and Operating Elements

Below is a description of the main components of the C50i and how they operate.

4.3 Engine and Drive



The Honda GX200 is a four-stroke engine that runs on standard unleaded fuel.

The engine is fitted with a red on/off lever that is the main operating control for the engine. Rotating the switch to the 'I' position allows the engine to be started. Rotating the switch to the 'O' position will turn off the engine.

The engine is air cooled and therefore it is important that the grille covering the recoil rope is kept clear from debris.

The engine air filter cleans the air drawn in by the engine. A clogged air filter will reduce performance.

The engine is fitted with a fuel on/off lever and a choke lever. Read the engine operating instructions to understand the operation of these levers.

4.4 Infeed Chute

The infeed chute must be connected to the chute bracket on the rotor housing for the C50i 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.

4.5 Chipping Blade

A chipping blade must be fitted to the rotor disc of the C50i Chipper for it to be able to function in the manor for which it is designed. Without a chipping blade the C50i Chipper will not chip wood, and damage to the machine is likely to occur.

The chipping blade must be kept sharp for the C50i Chipper to efficiently chip wood. A blunt chipping blade will cause damage to the machine.

4.6 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.

4.7 Collection Bag

An optional collection bag can be fitted over the discharge chute to collect wood chippings from the machines.

The bag frame is located using the slots on the outside of the discharge chute. Once the bag frame has been located, pull the drawstring of the bag to tighten the bag around the mouth of the discharge chute.

4.8 Commissioning

Prior to operation it is necessary to check the engine oil level and add engine oil level to the levels indicated in the table in section 5.1.

The engine fuel tank will not contain fuel so will need filling to the recommended level before use.

Check that the chipping blade is sharp prior to using the C50i Chipper.

4.9 General Safety Instructions

Be aware of all the safety requirements for the machine.

Visually check the machine for operational safety, complete componentry 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.

Wear the correct personal protection equipment as instructed by this manual.

Operator clothing should not be loose, and footwear should offer good grip.

Know how to stop the machine in an emergency.

4.10 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 refueling.

Do use only 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.

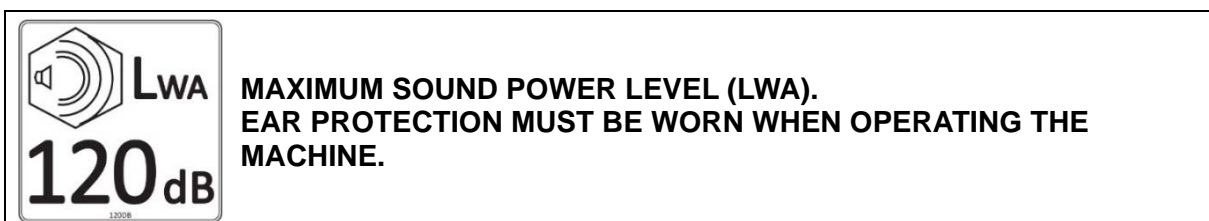
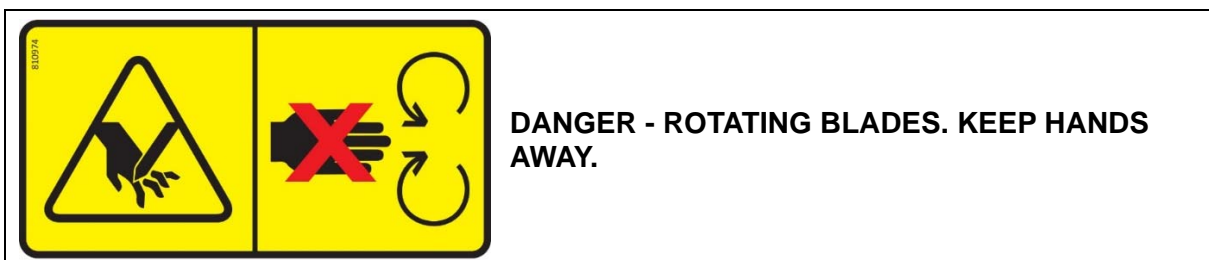
Never refuel indoors.


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.

4.11 Hazard Pictorial Explanations



		
		
READ OPERATING INSTRUCTIONS BEFORE USE.	REMOVE SPARK PLUG BEFORE SERVICING OR PERFORMING MAINTENANCE.	WARNING: KEEP BYSTANDERS AWAY.

	<p>WEAR SUITABLE PPE:</p> <ul style="list-style-type: none"> • EAR DEFENDERS • EYE DEFENDERS • FOOT PROTECTION • SAFETY GLOVES
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	<p>WARNING</p> <p>DO NOT OPERATE WITH GUARD REMOVED.</p>	<p>ENSURE SAFETY GUARDS ARE IN PLACE. MACHINE MUST NOT BE OPERATED WITHOUT GUARDS.</p>
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<p>MAXIMUM DIAMETER</p> <p>2"</p>	<p>MAXIMUM CAPACITY OF MATERIAL FOR INFEED CHUTE MUST NOT EXCEED 2" (50mm).</p>
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<p>GREASE POINT</p> <p>↓</p>	<p>POINT FOR LUBRICATION OF</p>
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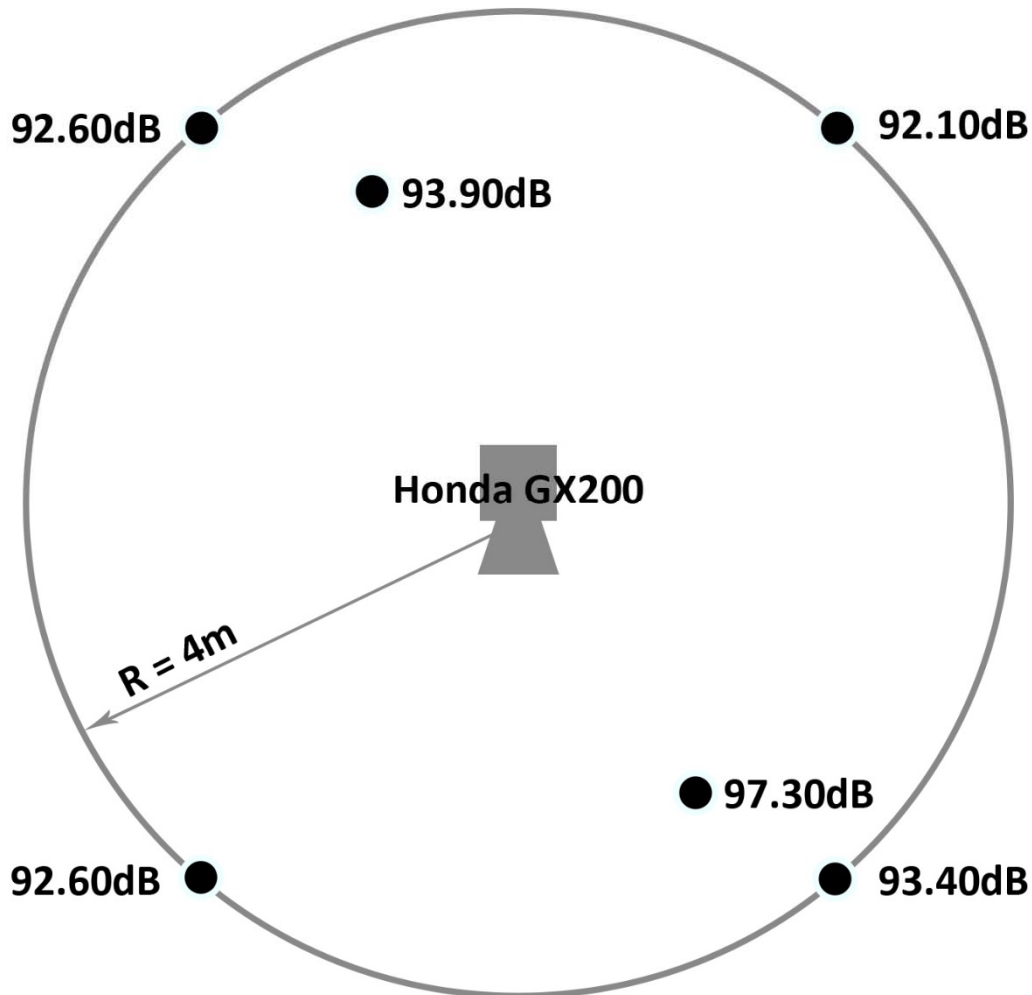
5.0 Noise Test Information

5.1 Honda GX200 Engine

Machine: C50i Chipper with Honda GX200 engine

Notes: Testing chipping 40mm x 40mm spruce pine – 4m length.

Noise levels above 80dB(A) will be experienced at the working position. Wear ear protection at all times to prevent damage to hearing. All persons within a 4m radius must also wear ear protection.

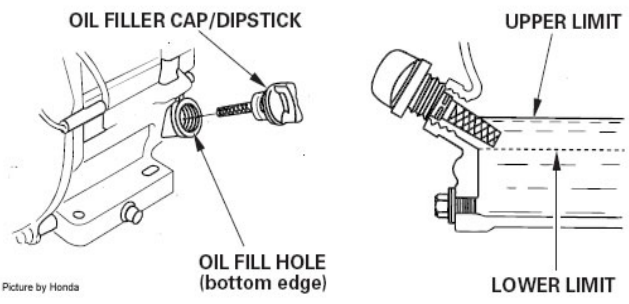
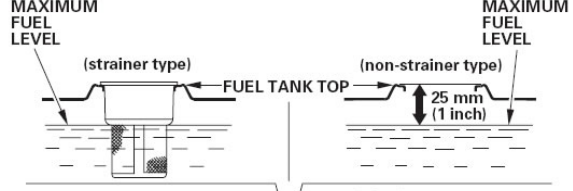
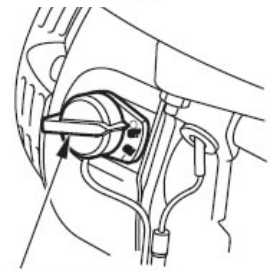
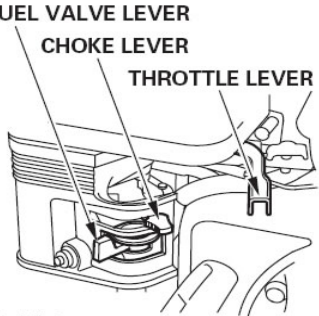


Guaranteed Sound Power Level: 120dB(A)

6.0 Safety Instructions Starting and Operating

6.1 To Start the Engine

WARNING: Before starting the machine check all nuts, screws, bolts and other fasteners are properly secured and that guards are in place.

<p>Using the dipstick provided, check the engine oil level. Top up with 10w/30 oil if the dipstick is clear of oil.</p>	 <p>OIL FILLER CAP/DIPSTICK</p> <p>OIL FILL HOLE (bottom edge)</p> <p>UPPER LIMIT</p> <p>LOWER LIMIT</p> <p><small>Picture by Honda</small></p>
<p>Check the fuel level. Refill as necessary and as determined by the fuel tank type – see diagram.</p>	 <p>MAXIMUM FUEL LEVEL (strainer type)</p> <p>MAXIMUM FUEL LEVEL (non-strainer type)</p> <p>FUEL TANK TOP</p> <p>25 mm (1 inch)</p> <p><small>Picture by Honda</small></p>
<p>Switch the engine ignition switch to the ON position.</p>	 <p>ENGINE SWITCH</p> <p><small>Honda Picture</small></p>
<p>Turn the fuel tap located on the engine carburetor to the ON position. If the engine is cold or has not been operated recently set the choke lever on the carburetor to the ON position.</p>	 <p>FUEL VALVE LEVER</p> <p>CHOKE LEVER</p> <p>THROTTLE LEVER</p> <p><small>Picture by Honda</small></p>

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.

6.2 To Stop the Engine

Switch the engine ON/OFF switch to the 'O' off position.

Turn the fuel tap lever to the OFF position.

Ensure the blades have stopped rotating prior to moving the machine.

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

6.3 Safety Equipment

The C50i operator must be wearing:

- Ear Defenders
- Gloves
- Protective Footwear
- Safety Glasses

6.4 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.

6.5 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.

6.6 Residual Risks of the C50i 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 C50i 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.

6.7 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.

7.0 Maintenance

7.1 Schedule

	Operation	Daily	Every Week	Every Month
Engine	Check engine oil level 10w/30 See separate engine manual	X	X	
Machine	Check condition of blades		X	
	Check belt condition			X
	Check collection bag condition		X	
	Check rotor shaft bearings			X
	Tighten all nuts and bolts			X

7.2 Basic Maintenance

WARNING: DO NOT PERFORM ANY ADJUSTMENTS OR BASIC MAINTENANCE WHILST THE MACHINE IS RUNNING.

WARNING: REMOVE THE INFEED CHUTE PRIOR TO PERFORMING ANY MAINTENANCE TO ENSURE THE ENGINE CANNOT BE STARTED WHILST WORKING ON THE MACHINE.

Check that all guards are fitted securely.

Basic tools that are required include:

- 13mm Spanner
- 13mm Socket Ratchet
- 17mm Spanner
- 17mm Socket Ratchet
- Philips Head Screwdriver

7.3 Advanced Maintenance

We strongly recommend that an Authorised Representative is consulted prior to any major machine maintenance projects.

7.3.1 Belt

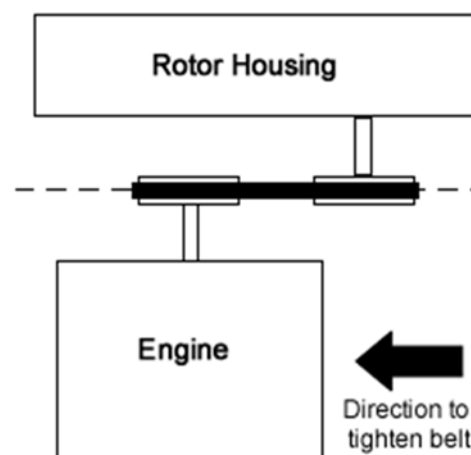
Inspection Check:

Check every 25 hours that the drive belt is not frayed or cracked. If it appears frayed or cracked then it is time to replace the belt.

Changing the Belt:

Remove the belt guard from machine by removing the three bolts that hold it to the chassis and the one bolt that connects it to the rotor housing.

Loosen the bolts that hold the engine to the chassis, allowing it to be moved freely and to release the tension on the belt.



Remove the belt from the rotor disc pulley and from the engine pulley.

Fit a new belt onto the rotor pulley and engine pulley.

Tighten the belt by moving the engine in the direction shown below and tightening the engine chassis bolts to hold it in position. Ensure that the rotor pulley and engine pulley are in the same plane as indicated by the dashed line on the diagram.

7.3.2 Changing the Chipping Blade

Inspection Check:

Over time blades will lose their point and sharpness. This will lead to poor chipping performance. Check regularly to ensure the chipping blade has a sharp leading edge.

Changing the Blade:

The chipping blade must be changed as soon as it is blunt.

Ensure that the machine is at a stop and the engine is off. To ensure the machine is safe to work on remove the spark plug cap. Remove the in feed chute and in-feed chute bracket.

Remove the rear belt guard.

Remove the top curved guard.

Locate an allen key through the chipping aperture of the rotor housing onto one of the bolt heads holding the chipping blade onto the rotor disc.

Position a 13mm spanner on the nut that holds the chipping blade onto the rotor disc.

Turn the spanner to undo the nut that holds the chipping blade. Do not turn the allen key. Use this as a locking point only.

Remove the two other nuts holding the blade onto the rotor disc.

Once the blade has been removed, it is possible to fit a new sharp chipping blade using the reverse process. Ensure that the nut is tightened onto the bolt using the 13mm spanner to ensure the allen key head on the bolt is not damaged during the process.

7.4 Engine

7.4.1 Check Engine Oil Level

This is to be checked prior to each use and every 8 hours during operation.

Check only when the engine is off and in a horizontal position.

Clean the oil filler plug and its surrounding parts.

Remove the oil filler plug. Clean the dipstick with a clean cloth and put the oil filler plug all the way back into the engine. Remove the oil filler plug and check the oil level.

Refill the oil if indicator shows more is required. For the Honda GX200 and GP200 engines the recommended oil is SAE 10w/30 API SJ or later.

7.4.2 Change Engine Oil

Refer to the engine manufacturer's manual for location of components and more detailed assistance.

Do not change the oil if the engine is hot.

The first oil change is after 50 hours of work.

Subsequent oil changes should be made after each 100 hours of work.

At extreme temperatures or conditions change the oil after every 50 hours.

Open the drain plug on the engine and the filling plug and drain the oil into a suitable container or use a suction pump to remove oil through filler neck.

Ensure the waste oil is disposed of properly.

Re-fit the drain plug and tighten.

Fill fresh engine oil through the oil filling opening. Use a funnel or similar device for ease of filling.

Replace the oil filler plug and tighten.

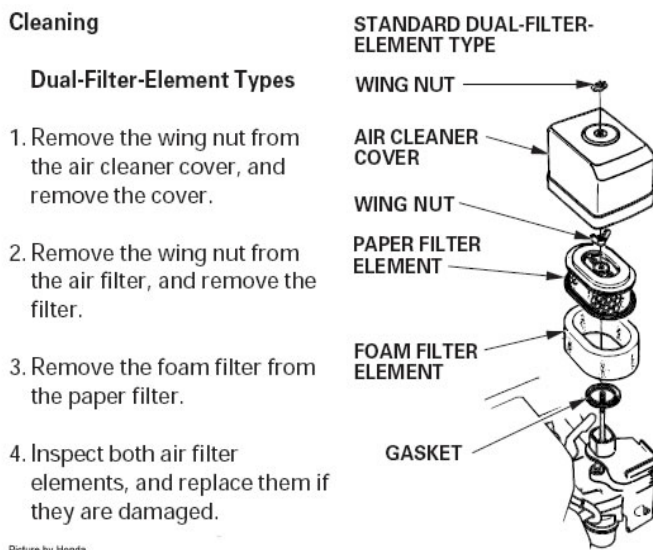
7.4.3 Air Filter

Inspection Check:

Remove the air cleaner cover and inspect the filter elements.

Cleaning:

See diagram below containing information provided by Honda.



7.4.4 Spark Plug

Clean and replace.

7.5 Cleaning

After cleaning, particularly if a pressure washer has been used, ensure any lubrication points are re-lubricated.

Clean the engine with a cloth only. Avoid spraying the engine with jets of water as this may leak into the fuel and ignition systems.

7.6 Troubleshooting

7.6.1 Machine

Have all serious malfunctions on the machine and engine repaired by an authorised Tracmaster or Honda agent.

Problem	Possible Cause	Remedy
No drive to blades	Broken belt	Replace belt
Poor chipping performance	Chipping blade is blunt	Replace blade

7.6.2 Engine

Problem	Possible Cause	Remedy
Engine does not start	Spark plug connector not connected	Connect spark plug connector
	Choke lever is not actuated	Actuate choke lever
	Fuel tank empty	Fill fuel tank
	Fuel line clogged	Clean fuel line
	Defective spark plug	Clean or replace spark plug
	Engine has too much fuel	Dry and adjust spark plug and start engine
Engine overheats	Low engine oil	Refill immediately
	Impaired cooling	Clean cooling fan grille
	Air filter clogged	Clean air filter

7.6.3 Lubricants

Use the specified 10w/30 oil specified by Honda for the engine oil.

8.0 Transportation, Storage and Handling

8.1 Transportation

Use ramps where possible to manoeuvre the Chipper into a transportation vehicle.

The C50i must be fixed securely using straps and by placing chocks behind the wheels. The C50i can be strapped across the front and rear bars of the chassis. Do not strap the C50i down across the engine or near any electrical switches.

Always transport the C50i horizontally and not at an angle.

Ensure that the fuel control lever on the engine is moved into the OFF position so fuel does not leak into the carburetor during transportation.

8.2 Storage

The C50i must be stored with the infeed chute unattached.

Always clean the machine and dry thoroughly prior to storage and ensure all lubrication points have been re-greased.

For periods of long storage, change the engine oil.

Either drain the fuel completely or fill the fuel tank and add fuel stabilizer.

Do not store the Chipper in wet rooms, where fertiliser is stored, or in stables as heavy corrosion may occur.

Always store the machine in a horizontal position.

Disconnect the spark plug wire from the spark plug.

Do not store the machine in areas where fuel vapors may ignite.

8.3 Handling

Do not attempt to lift the machine alone. At least two people is the minimum required.

Gloves must be worn when lifting the C50i Chipper.

Do not tilt the machine so that fuel can leak into the air filter of the engine.

When performing maintenance on the Chipper when it is situated on a work bench, ensure that the machine is firmly held in position at all times.

Do not lift the machine solely by the engine at any point.

9.0 Service Record

To ensure your machine is kept in peak condition we recommend that your CAMON C50i Chipper is serviced regularly.

Contact Tracmaster on 01444 247689 to find out who your local Authorised Agent is.

Company: _____ Date: _____	Company: _____ Date: _____
Company: _____ Date: _____	Company: _____ Date: _____
Company: _____ Date: _____	Company: _____ Date: _____

EC Declaration of Conformity



Tracmaster Ltd declares that the machinery stipulated below complies with all the relevant provisions of:

Machinery Directive 2006/42/EC

EMC Directive 2004/108/EC

and the National Laws and Regulations adopting these directives and other relevant directive.

Manufacturer: Tracmaster Ltd
Units 6-7 Winterpick Business Park
Hurstpierpoint Road
Wineham
Henfield
BN5 9BJ
UNITED KINGDOM

Machine Description: Wood Chipper
Type: CAMON C50i Chipper
Serial No: A05-.....

Max Guaranteed Sound Power Level: 120 dB(A)

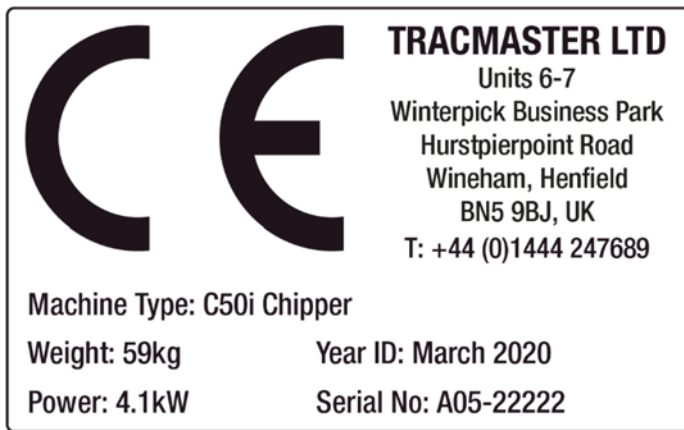
Harmonised Standards applied: (including parts of):

BS EN ISO 12100:2010	Safety of machinery. General principles for design. Risk assessment and risk reduction
BS EN 13525:2005+A2:2009	Forestry machinery. Wood chippers. Safety
BS EN 13683:2003+A2:2011	Garden Equipment – Integrally powered shredders/chippers - Safety
BS EN ISO 13857:2008	Safety of machinery. Safety distances to prevent hazard zones being reached by upper and lower limbs
BS EN 953:1997+A1:2009	Safety of machinery. Guards. General requirements for the design and construction of fixed and movable guards
BS EN ISO 14119:2013	Safety of machinery. Interlocking devices associated with guards. Principles for design and selection
BS EN 60947-5-1:2004+A1:2009	Low-voltage switchgear and control gear. Control/circuit devices and switching elements. Electromechanical control circuit devices
BS EN ISO 4871:2009	Acoustics. Declaration and verification of noise emission values of machinery and equipment
BS ISO 11684:1995	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment. Safety signs and hazard pictorials. General principles
BS EN ISO 13850:2006	Safety of machinery. Emergency stop. Principles for design
BS EN 1037:1995+A1:2008	Safety of machinery. Prevention of unexpected start-up
BS EN ISO 3744:2010 Acoustics	Determination of sound power levels and sound energy levels of noise using sound pressure — Engineering methods for an essentially free field over a reflecting plane

Responsible Person: Jody Symons
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Date: 30 September 2016

Signature:

Example CE Marking Identification Sticker





CAMON C50i Portable Chipper
Original Instruction Manual

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