



Flextool FCP-87B FORWARD PLATE COMPACTOR Instructions

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Flextool FCP-87B FORWARD PLATE COMPACTOR



INTRODUCTION

General Safety Instructions for the Operation of Power Equipment

The goal of Flextool is to produce power equipment that helps the operator work safely and efficiently. The most important safety device for this or any tool is the operator. Care and good judgement are the best protection against injury. All possible hazards cannot be covered in this manual, but we have tried to highlight some of the important items. Operators should look for and obey Caution, Warning and Danger labels placed on the equipment. Operators should read and follow safety instructions packed with each product to learn how each machine works. Even if you have previously used similar equipment carefully check out each machine before you use it, get the “feel” for it and know its capabilities, limitations, potential hazards, how it operates, and how it stops.

APPLICATIONS

- Trench compaction
- Earthworks
- Road maintenance
- Landscaping
- Brick paving
- Driveway toppings

FUNCTIONS AND CONTROLS MOTOR

The motor is controlled by an ON/OFF switch or push button which is mounted on the motor below the fuel tank. The motor speed is controlled by a remote throttle lever which is mounted on the machine handle. Honda motors are fitted with an oil alert device which will stop the motor or prevent starting when the crankcase oil level falls below a safe level.

DRIVE BELT

Tension of the drive belt is adjustable. Loosen the four nuts on the bolts which secure the motor to the base plate, Adjust the set screws which bear against the motor crankcase to achieve the required belt tension. Ensure that the four nuts and the set screw locknuts are tightened after adjustment.

HAZARDS AND RISKS

MECHANICAL HAZARDS

DO NOT operate the machine unless all protective guards are in place. Ensure all warning labels are visible and understood.

- KEEP hands and feet clear of rotating and moving parts as they will cause injury if contacted.
- ENSURE that the motor operation switch is in the OFF position and the spark plug ignition lead is disconnected before removing the guards or making adjustments.
- ENSURE both the machine and the operator are stable by setting up on level terrain and the machine will not tip over, slide or fall while in operation or unattended.
- DO NOT leave the machine in operation while it is unattended.
- ENSURE that the walls of a trench are stable and will not collapse due to the action of the vibration, prior to commencing compaction.
- ENSURE that the area to be compacted does not contain any "live" electrical cables, gas, water or communication services which may be damaged by the action of the vibration.
- EXERCISE CARE when operating unit. Exposure to vibration or repetitive work actions may be harmful to hands and arms.
- NEVER stand on the unit while it is operating.
- DO NOT increase the governed no-load motor speed above 3,500 rpm. Any increase may result in personal injury and damage to the machine.
- BE CAREFUL not to come in contact with the muffler when the engine is hot, since it can cause severe burns.
- ENSURE that repairs to the motor and machine are carried out by qualified COMPETENT personnel.

FIRE & EXPLOSION HAZARDS

- PETROL or diesel is extremely flammable and explosive under certain conditions.
- ENSURE that petrol or diesel is only stored in an approved storage container away from source of ignition.
- DO NOT refuel the motor while it is in operation or hot.
- DO NOT refuel the motor in the vicinity of ignition source such as sparks, a naked flame or a person smoking.
- DO NOT over fill the fuel tank and avoid spilling petrol when refuelling. Spilled petrol or petrol vapour may ignite. If spillage occurs, ensure that the area is dry before starting the motor.
- ENSURE that the fuel tank cap is securely fitted after refuelling.
- Ensure fire extinguisher is readily available for use.

CHEMICAL HAZARDS

DO NOT operate or refuel a petrol or diesel motor in a confined area without adequate ventilation.

CARBON MONOXIDE exhaust gases from internal combustion motor driven units can cause death in confined

spaces. Check TLV (Threshold Limit Value) and oxygen content of area safe for operation.

NOISE HAZARDS

EXCESSIVE NOISE can lead to temporary or permanent loss of hearing. WEAR an approved hearing protection device to limit noise exposure as required by Occupational Health and Safety regulations suitable for machine noise levels.

PROTECTIVE CLOTHING

ALWAYS wear approved hearing protection, protective goggles and a dust mask when working in a dusty environment. Protective clothing, anti-vibration gloves, safety footwear must be worn especially when working with hot mix bitumen. Wear sun cream and wide brimmed hat in exposed areas. Drink plenty of water.

ADDITIONAL HAZARDS

Vibration hazard can cause permanent injury Slip/Trip/Fall is a major cause of serious injury or death.

OPERATION

The machine is best suited to the compaction of bituminous and granular materials e.g. granular soils, gravels and sands or mixtures of both, Cohesive soils such as silt and clay are best compacted using the impact force produced by a vibrating rammer. Where possible the site should be graded and levelled before commencing compaction. Correct moisture content in soil is vital to proper compaction. Water acts as a lubricant to help slide soil particles together. Too little moisture means inadequate compaction; too much moisture leaves water-filled voids that weaken the soil's loadbearing ability. Compaction of dry materials will be facilitated by moistening with a water hose fitted with a sprinkler. Excessive watering or water content will cause the machine to stall. The optional water tank kit is recommended when the machine is used on bituminous surfaces as the water film prevents a build-up of material on the underside of the plate. Use unleaded grade petrol and ensure that the fuel is free from contamination. The vibratory motion provides a self-propelling action. Position the handle at the opposite end of the machine to the vibrator. Start the motor using the recoil starter. (If the motor is fitted with an on/off switch this must first be turned to ON before starting.) For more information on starting and correct operating procedures of the motor, refer to the motor operation manual supplied with the unit. Increase the motor speed to the maximum setting using the hand throttle lever, before commencing compacting. The machine should be controlled by grasping the handle with both hands and applying restraint to control the forward motion, Steer the machine by moving the handle sideways to the right or left. Ensure other persons and children are clear of barricaded area. Keep clear of electrical leads and hoses on floor. ALWAYS maintain good footing so that you do not slip and lose control when starting or operating the machine. If the optional water tank is fitted, the flow rate can be controlled by adjusting the cock in the supply hose to the sprinkler bar.

CARE AND PREVENTIVE MAINTENANCE

- Check the oil level in the motor crankcase daily.
- Inspect the rubber anti vibration mounts for wear or deterioration.
- If the optional water tank is fitted inspect the water hose and its connections to ensure that they do not leak.
- Clean the underside of the plate regularly to prevent a build-up of material.

SERVICE

- Change the oil in the motor crankcase regularly to minimise wear.
- Inspect, clean and/or replace the motor air cleaner regularly, particularly when operating in a dusty environment.

- Inspect, clean and/or replace the spark plug regularly.
- Check all fasteners for tightness as the machine is subject to vibration.
- Check vee belt tension, wear and that it is running true, adjust or replace as required.

Product & Performance Specifications	
Forward Plate Compactor	
Model Number	FCP-87B
Operating Weight (kg)	87
Plate Size (WxL) (mm)	460 x 610
Centrifugal Force Max (kN)	19.8
Vibration Frequency (vpm)	7000
Max Travel Speed (m/min)	26
Max Gradeability (%)	35
Max Compacted Area (m2/h)	717
Lifting Hook	Yes
Engine Make	Honda
Engine Model	GX160
Max Rated Power (Hp)	5.5
Fuel Type	Petrol
Product Code	FT201806-UNIT
Barcode	9300611599513

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES AND CORRECTION
Motor will not start	<ul style="list-style-type: none"> n Check the ON/OFF switch to ensure that it is switched 'ON'. n Check the fuel supply. n If a Honda motor is fitted check the crankcase oil level as an oil sensor device is fitted to these motors which prevents starting and stops the motor when oil level is low n Ensure the spark plug ignition lead is connected n Check the carburettor jet and bowl to ensure they are clean
Motor stops	<ul style="list-style-type: none"> n Check the fuel supply n Check that the fuel cock is turned on n Check the condition of the air filter
Petrol Motor lacks power	<ul style="list-style-type: none"> n Check the condition of the air filter n Check the condition of the spark plug
Insufficient vibration	<ul style="list-style-type: none"> n Check for a slipping or a missing vee belt n Check the motor governed speed is 3,500r/min
Machine not moving freely	<ul style="list-style-type: none"> n Check the underside of the plate for a build up of material

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This manual summarises our best knowledge of the product based on the information available at the time of publication. You should read this manual carefully and consider the information in the context of how the product will be used. Our responsibility for products sold is subject to our standard terms and conditions of sale.

DISCLAIMER:

Any advice, recommendation, information, assistance or service provided by us in this manual is given in good faith and is believed by us to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by us is provided without liability or responsibility PROVIDED THAT the foregoing

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Documents / Resources

	<p>Flextool FCP-87B FORWARD PLATE COMPACTOR [pdf] Instructions</p> <p>FCP-87B FORWARD PLATE COMPACTOR, FORWARD PLATE COMPACTOR, PLATE COMPACTOR</p>
	<p>Flextool FCP-87B FORWARD PLATE COMPACTOR [pdf] User Manual</p> <p>FCP-87B FORWARD PLATE COMPACTOR, FORWARD PLATE COMPACTOR, PLATE COMPACTOR</p>

References

-  [Concrete Equipment and Tools - From Site Preparation to Surface Preparation | Flextool](#)