



POWERED by HONDA



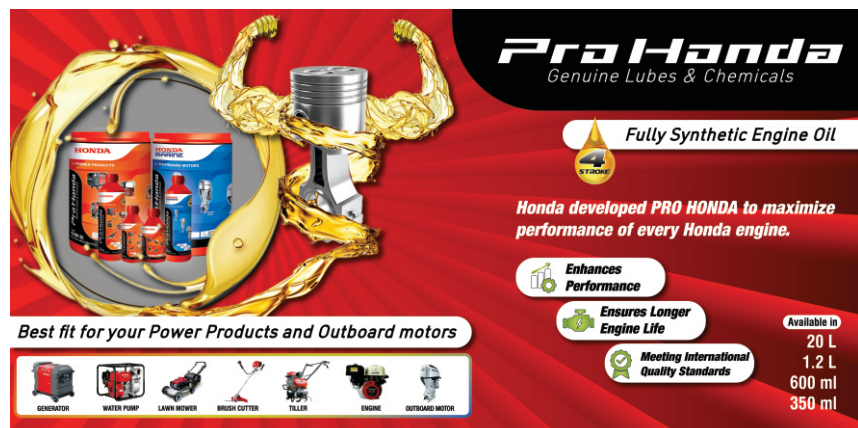
**Power Weeder
(SCS1000GX)**

OWNER'S MANUAL

The illustration shown in this manual may vary depending on the model.

Keep this owner's manual handy so that you can refer to it at any time. This owner's manual is considered a permanent part of the product and should remain with the product if resold.

The information and specifications included in effect at time of this publication were approved for printing. The manufacturer reserves the right. However, to discontinue or change specifications or design at any time without notice and without incurring any obligation whatsoever.



Pro Honda
Genuine Lubes & Chemicals

Fully Synthetic Engine Oil

4
STROKE

Honda developed PRO HONDA to maximize performance of every Honda engine.

Enhances Performance

Ensures Longer Engine Life

Meeting International Quality Standards

Best fit for your Power Products and Outboard motors

GENERATOR WATER PUMP LAWN MOWER BRUSH CUTTER TILLER ENGINE OUTBOARD MOTOR

Available in
20 L
1.2 L
600 ml
350 ml

Disposal

To protect the environment, do not dispose of the used engine, engine oil etc. carelessly by leaving them in the waste. Observe the local laws or regulations or consult your authorized Honda dealer to dispose of these parts.

Please dispose of used engine oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local service station for reclamation. Do not throw it in the trash or pour it on the ground.

Thank you for your purchase. We're committed to your satisfaction. Follow the manual for long-lasting, valuable use.

1. Safety Instruction

1. Training

- a) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment;
- b) Never allow children or people unfamiliar with these instructions to use the machine. Local regulations can restrict the age of the operator;
- c) Never work while people, especially children, or pets are nearby;
- d) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

2. Preparation

- a) While working, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals;
- b) Thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown up by the machine;
- c) WARNING – Petrol is highly flammable:
 - Store fuel in container specifically designed for this purpose;
 - Refuel outdoors only and do not smoke while refueling;
 - add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot;
 - if petrol is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapors have dissipated;
 - Tighten fuel tank cap securely. Replace if damaged or not closing properly;
- d) Replace faulty silencers;
- e) Before using, always visually inspect to see that the tools are not worn or damaged. Replace worn or damaged elements and bolts in sets to preserve balance.

3. Operation

- a) Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect;
- b) Work only in daylight or in good artificial light;
- c) Always be sure of your footing on slopes;
- d) Walk, never run with the machine;
- e) Exercise extreme caution when changing direction on slopes;
- f) Do not work on excessively steep slopes;
- g) Use extreme caution when reversing or pulling the machine towards you;
- h) Do not change the engine governor settings or overspeed the engine;
- i) start the engine carefully according to manufacturer instructions and with feet well away from the tool(s);
- j) When start the engine, ensure the Gearshift in neutral position. Do not put hands or feet near or under rotating parts;
- k) Never pick up or carry a machine while the engine is running;
- l) Stop the engine:
 - Whenever you leave the machine;
 - Before refueling;
- m) Reduce the throttle setting during engine shut down and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of working;

- n) Never load person, when starting at cobbled road, sidewalk or on the road, pls keep watch, note the traffic situation in case of the potential dangers!
- o) Once abnormal condition happens, immediately close the engine! Look for the reason, vibration is often the beginning of the fault
- p) When tilling in the hard land, the blades may lowering the ground, be more careful. If happens, go off the handle bar and not go to control machine.
- q) When moving on slope with tyre, engage reverse gear lever when sudden run/fall of machine happen.

4. Maintenance and storage

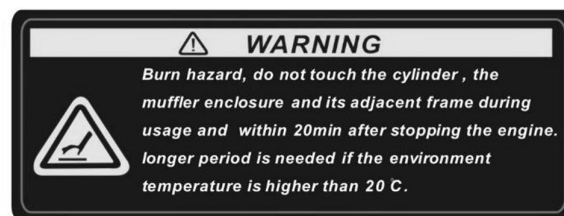
- a) Keep all nuts, bolts and screws tight to ensure the equipment is in safe working condition;
- b) Never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark;
- c) Allow the engine to cool before storing in any enclosure;
- d) To reduce the fire hazard, keep the engine, silencer and petrol storage area free of vegetative material and excessive grease;
- e) Replace worn or damaged parts for safety;
- f) If the fuel tank has to be drained, this shall be done outdoors.

5. Matters need attention during the use of power weeder

- a) Operator should read this manual before using the machinery and do the adjustment and maintenance according to the manual.
- b) Before using the machinery, following items should be paid attention to:
- c) Pls add clean fuel , make sure the engine is stopped and in well-ventilated condition , never let fuel get in touch with high temperature surface, rotating parts or electrical components, never add too much oil in order to avoid overflowing, if there is fuel spillage or leakage, dry it up before starting the machine, cover up fuel tank cap and tighten it. In case of fire, storage sites and venues are strictly prohibited fireworks,
- d) Check whether the bolt is fixed; any parts are loose or scratches stuck phenomenon; whether the direction of rotation is consistent with the label mean to.
- e) Check whether external moving parts and rotating parts have reliable safety protection device and safety signs,
- f) Minors without training and master, is not allowed to operate the machine.

2. Safety Labels

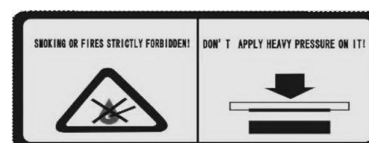
1. Muffler is a high temperature spare part, do not touch the power weeder in work or out of work freshly.



2. When the power weeder is working, keep an eye on the rotary parts, do not be too close to the machine to avoid being hurt by the rotary blades.



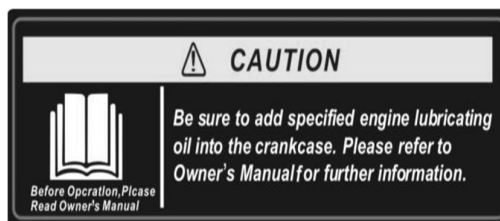
3. Keep the components of oil box away from fire and smoke.



4. Keep this machine stabilization before use and read the instruction carefully



5. Please refuel in time



Chapter Two: Main technical specification

Model			SCS-1000GX
Items			Parameter
Engine	Engine model		HONDA GX-200
	Net power k.W		4.1 kw (5.5 hp) / 3600 rpm
	Rated speed		3600
Rotary cultivator supporting parts	Measurement (L × W × H) mm		1610×935×1030
	Weight (kg)		87 kg
	Transmission Model (inside transmission)		Gear drive
	Connection type (from output shaft to blades)		Coaxial straight-through type
	Blade	Speed (r/min)	High gear: 131 ; slow gear: 96
		Max radius of gyration (mm)	180
		Blades (pcs)	24
	Tilling Depth (cm)		10-20
	Tilling Width (cm)		90
	Operating Speed (m/s)		0.1~0.3
	Specific Fuel Consumption (ERDA certified)		400 g/kWh

* Specifications may change due to improvements, and for reference only, not as the acceptance basis

Chapter Three: Installation And Use Methods

1. Installation

Before sending, we did the debugging of the Main part. But before you operate it, you still need some check and adjustment, to make it to the fullest use. Since you get the mini weeder, assemble it as follows:

1. Fix the walking wheel to the Six squares opposite ends of the drive shaft respectively with $\phi 8$ pin
2. Assembly of trailer coupling: connect rod assembly in the trailer body, with the connecting pin shaft connection and insert the cotter pin, then insert Subsoil resistance bar;
3. Installation of handle pipe: hand the tube opposition tube slots, adjust the height, use lock handle and bolt fixed
4. Connect shift lever and fork shaft

We've done debugging before sending the products, before you use the power weeder, you'd better check the parts and do some adjustment for better use.

2. Routine check

1. Check engine fuel

- Put the engine in a horizontal position
- Turn out the oil level gauge, Wipe cleanly
- Insert the oil level gauge into the oil passage hole (don't need to turn in the thread)
- Turn out the oil level gauge, check the oil lever, within the Oil scale mark can be thought as normal
- Oil SAE10W-30 is recommended as the general lubricating oil, it suitable to normal environment.

2. Check the oil of gearbox

- Put the engine in a horizontal position, turn out the oil level gauge (see picture 4)
- Normal adding oil is 1.5L Oil SAE 80W-90, the line under the lower edge of oil filler point, if oil lever in a low lever, add to the regular lever

3. Adjustment Of Mini Weeder

1. Adjust height of handle bar

- **Caution:** in order to avoid topple over, pls put the engine in flat ground before adjust the height of handle bar.(see picture 5)



Picture 4



Picture 5

- Loosen the regulating handle, choose suitable hole, adjust the height of handle bar to a men waist, and screw the regulating handle

2. Adjust depth of the rotary tillage

- By adjusting the height of speed control rod, control the depth of rotary weeder, shift down, depth increase; shift up, depth decrease. (see picture 6)

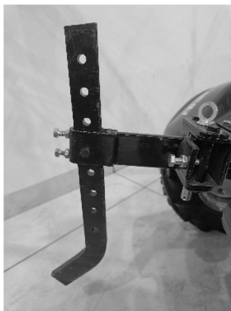
3. Start the power weeder

- Put the weeder in neutral gear position press down handle bar of the emergency power cut off devices, then start the machinery according to this instruction.

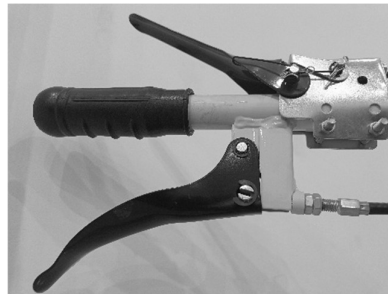
4. Adjust the clutch

Caution: reduce the speed of engine before using clutch.

- By adjusting the “separate” or “join” of clutch, to control the output of engine power.
- Grip the clutch, clutch join together, the engine power transport to the power weeder, rotary blades begin running. (see picture 7)



Picture 6

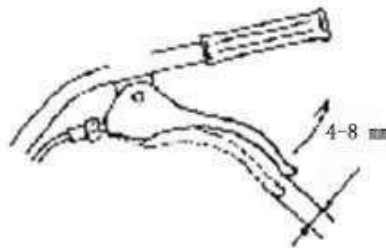


Picture 7

- Confirm the tensiety of clutch cable, 4-8mm can be the general degree, if out of the scope then you have to lose locknut for adjustment, and tighten up. (see picture 9)



picture 8



picture 9

5. Gear shifting

- 4 gears shifting- Reverse (-1), Forward (1), Neutral (0), Forward (2)
- The way of gear changes

1) Put the throttle switch to the left (a minimum position)

Gear shifting by a clockwise rotation

2) Loose the clutch handle to make the clutch separate

3) Grip the clutch handle bar. Then the power weeder will work on the different gear shifting and then step, on the gas to the new speed as inquired.

Chapter Four: Servicing Your Power Weeder

To prevent performance decline, fuel inefficiency, and part damage caused by operational wear, regular and rigorous maintenance of power weeders is essential for maintaining optimal functionality and extending their service life.

1. Running-in

1. The running of HONDA engine pls consult its owner manual.
2. Power Weeder must operate for 1 hour at zero load.

2. The technical maintenance

1. Before or After Use

- a. Listen and observe the abnormal phenomenon (like abnormal sounds, overheating and bolt failure)
- b. Check the Oil leakage status of engine, transmission gearbox.
- c. Check the oil lever of engine and transmission, if it is within the limits of oil scale
- d. Timely remove Dirt, Weeds, and Oil Contamination from power weeder.
- e. Record the running hours of machine and servicing history of power weeder.

2. First servicing your power weeder every 150 hrs

- a. Conduct the whole contents of per shift maintenance.
- b. Clean the transmission and crankcase, and change the oil
- c. Check the clutch, shift gear and reverse gear system.

3. Second servicing your power weeder every 900 hrs.

- a. Check the whole contents of working for 900hours,
- b. Check all the gear, bearing, if Gears & Bearings worn out, please change the parts.
- c. Other parts like rotary blades or bolt of the power weeder, if any, pls change it.

4. Major servicing your power weeder every 1500-2000 hrs

- a. Ask professional personnel to check the friction plate and clutch.

3. The table of technical maintenance

Working time schedule Items to check	Each Use	First 8 hours	First month or 20 hours	Every Third Month or 50 hours	Every Year or 1000 hours
Check the bolt, nut	Y				
Check and add oil	Y				
Clean and change gear oil (For engine kindly refer engine manual)		Y (first time)	Y (second time)	Y (third time)	
Check any oil leak	Y				
Clean the dirt, weeds, oil pollution, keep tidy	Y				
Remove breakdown	Y				
Adjust control assembly	Y				
Gear and bearing					Y

4. Storage

Safe Long-Term Machine Storage (Over 30 Days):

1. Drain tank, run engine until it stops.
2. Replace oil if older than 3 months.
3. Thoroughly clean and lubricate all parts.
4. Check for damage, repair as needed.
5. Touch up paint, apply rust protection.
6. Store indoors if possible.

Chapter Five: Debugging Method of Power weeder

1. Debugging method of mesh of bevel gear

When the abnormal transmission of mesh of bevel gear of sound is confirmed, stop the machine and check as

stipulated below:

1. Clearance adjustment of mesh of angel gear in gear-box

(See Figure 10)

① When lateral clearance of mesh of the gear

$\Delta < 0.05\text{mm}$, we should put some vulcanized paper to enlarge the clearance between the gear-box and the traveling box.

② When lateral clearance of mesh of the gear

$\Delta > 0.3\text{mm}$, we should reduce the clearance to

0.05-0.10 mm between the bearings and gear II shaft

2. Clearance adjustment of mesh of the gear in the running case. (See Figure 11)

When lateral clearance of mesh of the gear $\Delta <$

0.05mm, we should increase adjustment pad I by 0.2-

0.3mm to enlarge the clearance, and change vulcanized paper board II and adjustment pad.

3. To ensure the axial clearance of the gear II is

0.05-0.15mm.

When lateral clearance of mesh of the gear $\Delta >$

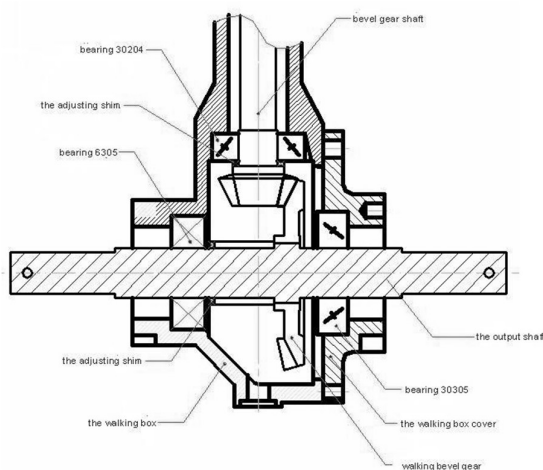
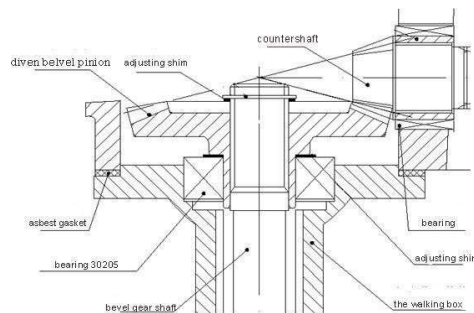
0.3mm, we should reduce adjustment pad I ,

meanwhile the axial clearance of gear II is 0.05-

0.15mm, or increase the adjustment pad II ,

meanwhile ensure the axial clearance of gear I is

0.05-0.15mm.



Chapter Six: Taking care of unexpected problems

1. Clutch faults and methods

Phenomenon	Reasons	Methods
Clutch failure	Failure of clutch handle bar	Fix or replace
	Failure of clutch cables	Change
	Shifting fork not on the position	Readjustment or replace
	Drop of shift shaft, arm set	Fix or replace
	Break of shift fork	Replace
	spring failure	Replace
Clutch Malfunction (i.e. slip)	spring fatigue failure	Replace
	Shift shaft turning ineffective, which make the shifting fork not on the right place	Clean the surface of locating shaft and shuffle disc
	Clutch cable mis-adjustment	Readjust the clutch cable

2. Gearbox faults and methods

Symptom	Cause	Terms of settlement
Failure of fast, slow and neutral shift	Bolts and nuts for the main shaft are loose	Dismount the bolts, keys cover at the back of the main shaft, screw the round nuts tight, then fix back the bolts and keys cover and screw them tight
Failure to shift to the right position	Excess abrasion of puller	Replace the puller
	Driving angle gear is loose	Tighten the round nuts
	Excess abrasion of the upper hole in the connection piece of support arm	Replace the support arm assembly
	Positioning spring inside the main shaft does not function	Replace
	Main shaft is moving, the bolts for tightening the cover for the rear of the gear-box body are loose	Screw the bolts tight
	Deformation of shift bar brings about interference when you shift	Adjust the shift bar or Replace it

Failure to shift the reversing shift to the right position	Abrasion of reversing fork	Re-adjust the cable of reversing shift
	Malfunction of reversing cable	Replace the reversing fork Replace the cable
	the reversing shaft is loose	Screw the bolts tight at the back of the reversing shaft
	The reversing fork is blocked to a standstill	Clean the combined face between reversing fork and reversing pushing plate to make the fork move freely
The reversing gears do not reset	The loosening of reversing shaft makes the gear be blocked to a standstill	Screw the bolts tight at the back of the reversing shaft.
	Malfunction of spring of the reversing shaft	Replace the spring
	The reversing shaft is bent and deformed	Replace the reversing shaft
The reversing shaft is loose	Rear bolts of reversing shaft are loose	Screw the reversing shaft
	The matching between reversing shaft and gear-box body is too loose	Replace
Too much noise from the gears	Deformation and bend of the angle gear and reversing shaft	Replace
	Too much lateral clearance due to excess abrasion of gears	Replace the gears
	The matching between bevel gear and reversing shaft and gear-box body is too loose	Replace

3. Faults and methods of walking system

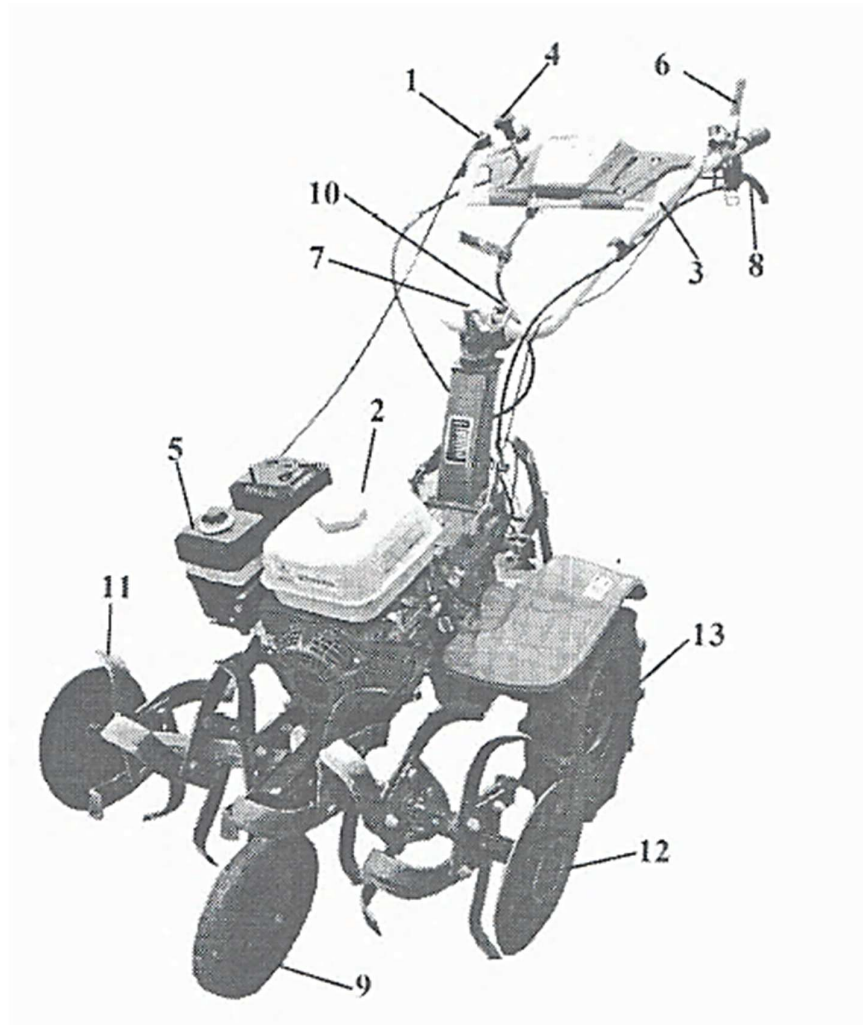
Phenomenon	Reasons	Methods
Gear's noise too loud	excessive wear or wrong fix	Reassemble or replace
Rotational hairpin of gear	Wrong assembling	Reassemble
Excessive fever	Too little lubricating oil	Add oil as per demands
Oil leak of output shaft sleeve cylindrical surface	Oil seal is damaged	Change oil seal
Serious oil leak of output shaft sleeve	Sleeve fracture	Replace
Oil leak of oil drain	O-rings damaged	Change
	Bolt loose	Tightening
Oil leak of crankcase	Crankcase has micro loose hole	Welding or priming

4. Other failures

Phenomenon	Reasons	Methods
Break-in of blades	Plough into rock or other flip	Replace it, and pay attention to avoid crash with hard objects like stone
Control cable break-in	Long-term wearing	Replace

Chapter Six: Products instruction

1. Accelerator Lever	2. Fuel Tank
3. Handle Bar	4. Gear Shifting Lever
5. Air Cleaner	6. Emergency Stopping Lever
7. Handlebar Angle Adjustment Lever	8. Clutch Lever
9. Front Wheel	10. Handle Bar Height Adjustment Lever
11. Rotor Blade	12. Side Disc
13. Transport Wheel	



Chapter Seven: Machine List for Matching

Attached Tools

Series	Name	Unit	Application
1	Dry field blades	Set	Dry-land cultivation
2	Paddy field wheel	Set	Paddy field cultivation
3	2 piece-4 unit anti-wind knife	Set	Wetland farming with too much grass
4	3 piece-4 unit anti-wind knife	Set	
5	Efficient paddy field wheel	Set	Paddy field cultivation
6	Flood composite knife	Set	Dry-land, paddy field cultivation
7	Crawl plate	Set	Used for climbing

Easily Damaged Parts List

Series	Parts	Work Site	Series	Parts	Work Site
1	Spark Plug	Engine	9	The Filter Elements	Engine
2	Stop Switch	Engine	10	Kinds Of Spring	Engine Gear Box
3	Oil Plug	Engine	11	Paper Pad	Engine Gear Box
4	Piston Roll	Engine	12	Oil Seal, Oil Cover, O-ring	Engine Gear Box
5	Oil Tube	Engine	13	Bearing	Engine Gear Box
6	Connecting Rod Bearing Shell	Engine	14	Chain	Gear Box
7	Inlet Exhaust Valve Rocker Arm	Engine	15	Kinds Of Cable	Machine Frame
8	Start Pull Plate	Engine	16	Pin Roll, Cotter Pin	Cylinder

Warranty Period and Warranty Policy Guide Lines

a.1 Warranty Period

No.	Product	Warranty Coverage
1	Machine (Transmission)	12 months from Date of Sale to First Purchaser
2	Proprietary parts, Like: Engine, Tyre, Battery, Alternator & Starter Motor etc.	Warranties for Proprietary parts are subject to respective manufactures as per their warranty policy and guidelines.
3	Accessories / Implements	Will not be covered

a.2 Warranty Policy Guide Lines

1. The warranty period shall start from the date of purchase of product and applicable to the first purchaser on receipt of the warranty Registration Card.
2. The warranty only covers the manufacturing defect or defective part within the specified warranty timeframe only.
3. The warranty not covered if Service maintenance is not carried out as per periodical maintenance schedule.
4. Warranty voids if genuine parts or approved blades are not used on machine during periodical maintenance.
5. The warranty will not cover for normal wear & tear of parts such as brake lining, clutch plate, drive belt, rubber parts, plastic parts, electrical parts.
6. Under warranty period, only repair or replacement of defective parts will be considered, replacement of the machine is not warranted.
7. Warranty is not transferable to the second and subsequent owners.
8. The warranty not covered if the machine is serviced or repaired by unauthorized persons or at any Local workshop.
9. The warranty will not cover for any accidental damage, fire, collision, improper usage, tampering, customer abuse and external modifications/fabrications done by the customer.

Reserves the right to refuse warranty if the product was found not to be carried periodical maintenance & installed as per our installation instructions.

2. WARRANTY REGISTRATION CARD / Sales Intimation Card

Model Details						
Model			Invoice No.		Invoice Date	
Engine No.						
Frame No. Gearbox No.			Warranty Start Date		Warranty End Date	
Please mark √ the machine is using for. List Of Accessories/ Attachments	Cage Wheel	☐	Power Plough	☐	Cultivator	☐
	Ridger	☐	Trailer/water tanker	☐	Roto weeder	☐
	Potato Digger	☐	Sprayer (Gun Type), (Boom Type)	☐ ☐	Reaper	☐
	Potato Planter	☐	Water Pump	☐	seed cum Fertilizer drill	☐
		☐		☐		☐
		☐		☐		☐
		☐		☐		☐
The Weeder and accessories have been handed over to the Customer in good condition after pre-delivery inspection, training and service.						
Use of Machine	Farm Use (Rotavator)			Other Use		
	Puddling	Sowing	Pumping Water ☐	Stone Cutting		
	Inter cultur	Harvesting	Spraying ☐	Haulage		
Customer Details						
Name						
Village					PIN	
					District	
City						
State					Country	
Mobile / mail ID					Date of Birth	
Customer Signature (I acknowledge that I have read, understood and I accept the warranty policy and terms.)				Dealer's Seal & Signature		

HI+ PRODUCT RANGE



Power Weeder

Available Range: 4.3 kW (5.8hp)



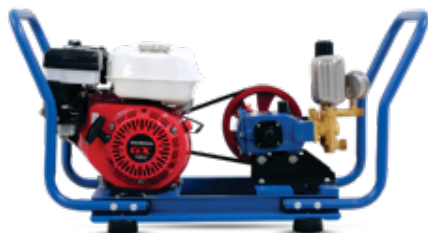
Reaper

Available Range: 3.6 kW (4.8hp)



HTP Sprayer

Available Range: 1.5 kW(2hp)~3.6kW(4.8hp)



LTOBM

Available Range: 1.5 kW(2hp)~3.6kW(4.8hp)



Concrete Cutter

Available Range: 8.7 kW (11.7hp)



Concrete Vibrator

Available Range: 1.5 kW(2hp)~3.6kW(4.8hp)





POWERED by HONDA

Honda India Power Products Limited

Plot No. 5, Sector-41, Kasna,
Greater Noida Industrial Development Area,
Distt. Gautam Budh Nagar (U.P.) Pin-201310

Customer Support : 1800-11-2323

E-mail : ho.mktg@hipp.co.in

www.hondaindiapower.com

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