



说明书材质要求： 105g 有光铜版纸	说明书成品尺寸： 105*143mm
Black（单色印刷）	
折叠方式： 风琴折	备注：
特别注意：此页内容不印刷	

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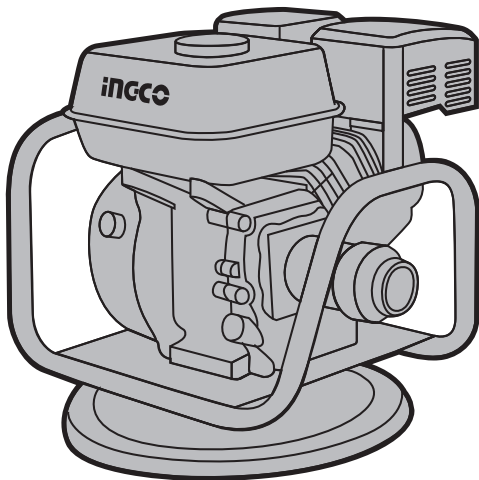
更改记录	1. 改新版			1. 修改参数表格，封面添加货号GVR-2E			
	0723.V12	2023.6.30	CH	1124.V13	2024.11.12	Ligeia	
	版本号	日期	设计师	版本号	日期	设计师	

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**PRODUCT
MANUAL**

GASOLINE CONCRETE VIBRATOR(CLAW TYPE)



**GVR-1 GVR-2 GVR-2M GVR-4 GVR-12 GVR-22
GVR-42 GVR-22E GVR-2E**



Original Instructions

THE SYMBOLS IN INSTRUCTION MANUAL

The machines use international pictorial labels where needed. These labels are described below:

Label	Meaning
	This molded-in label contains important safety and operating information. If it becomes illegible, the cover must be replaced, Refer to the Parts Book for ordering information.
	⚠ DANGER: Engines emit carbon monoxide; operate only in well-ventilated area.
	Read the operator's manual for machine information.
	⚠ DANGER: No sparks, flames or burning objects near machine.
	Shut off the engine before refueling.
	⚠ Caution: Use only clean, filtered gasoline fuel.

Operating labels

The machines use international pictorial label where needed. These labels are described below:

Label	Meaning
	Turn the engine switch to the ON position
	Close the choke
	Pull the rewind starter
	Open the choke
	Turn the engine switch to "OFF"
	Throttle control lever: Turtle = idle or Slow Rabbit=Full or Fast
	Open fuel flow valve
	Pull rewind starter

ADDITIONAL SAFETY WARNING

Please be sure to check the level of oil, as following:

1. The level of oil in engine, please be sure the level of oil is the range within the oil ruler scale. The engine would be shattered if the oil level is too low or without oil.
2. The level of oil in pedestal, please be sure the level of oil is below edge of the oil entrance. The speed-down machine would be shattered if the oil level is too low or without oil. Please close the fuel switch before stopping the engine if the engine Will not be used for more one week, make the surplus oil be use out in the wasting on container, because the oil is the volatilization liquid. It would remain the semisolid matter after volatilization the wasting oil container might be jammed, and the engine can't work normally.

Please be sure to read and know well the instruction and the details of the engine instruction and the operating regular. The maintenance and exact use are necessary in order to ensure person safety, extend useful life and reduce the troubles.

Caution

Protection required. Wear hard hat, shatterproof glassed, steel toed boots and other protective devices required by job conditions. Avoid jewelry or loose clothing. These may catch on controls or in moving parts and cause serious injury.

Starting Safety:

Caution

Poisonous fumes. Start and operate only in well ventilated area. Breathing exhaust gases can result in sickness or death.

Servicing safety:

Caution

Flammable liquid. Stop engine and do not smoke or allow work in immediate area when refueling. Fire or explosion could result from flames or sparks. Moving parts. Shutdown engine before performing. Service or maintenance.

Contact with moving parts can cause serious injury.

High temperature. Allow machine and engine to cool before performing service or maintenance. Contact with hot components can cause serious burns.

Engine

See engine operations manual

SHUTDOWN

EMERGENCY SHUTDOWN

Move throttle lever to “OFF” position and also turn stop switch to “OFF”.

NORMAL SHUTDOWN

Move throttle lever quickly from “ON” to “OFF” and run engine for 3 to 5 minutes at low speed. After engine cools, truly stop switch to “OFF” position, close fuel shutoff valve.

MECHANICAL HAZARDS

DO NOT operate the machine unless all protective guards are in place.

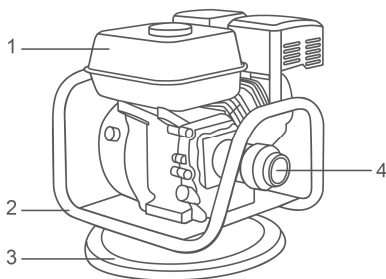
KEEP hands and feet clear of rotating and moving parts as they will cause injury if contacted.

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.

SPECIFICATIONS



1. Engine

2. Protective frame

3. Base plate

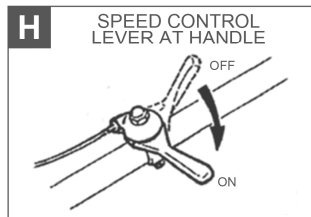
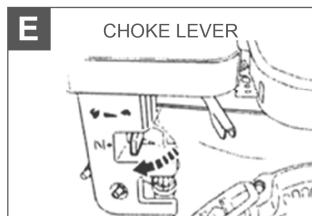
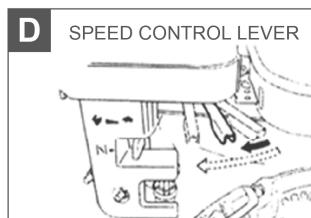
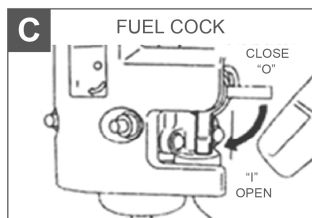
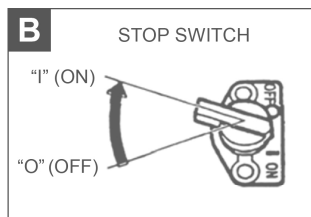
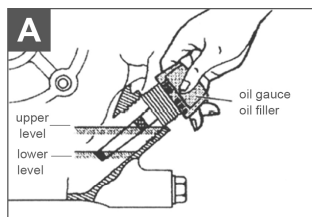
4. Coupling cover

Technical specifications

Model No.	GVR-1	GVR-2, GVR-2M	GVR-4	GVR-2E
Engine type	Air-cooled, 4-stroke, single cylinder, petrol			
Engine model	Petrol, Honda GX160	Petrol, INGCO	Diesel, INGCO	Petrol, INGCO
Power kW(hp)	4.0 (5.5)	4.0 (5.5)	3.1 (4.2)	4.8 (6.5)
Coupling type	Claw			

Model No.	GVR-12	GVR-22	GVR-42	GVR-22E
Engine type	Air-cooled, 4-stroke, single cylinder, petrol			
Engine model	Petrol, Honda GX160	Petrol, INGCO	Diesel, INGCO	Petrol, INGCO
Power kW(hp)	4.0 (5.5)	4.0 (5.5)	3.1 (4.2)	4.8 (6.5)
Coupling type	Hex			

OPERATION PICTURE



INTENDED USE

When the gasoline engine vibrator is used for concrete members that are blended with a concrete mixer, the air bubbles must be removed, and tamp the concrete to make it compact, eliminating voids and pits. It helps to improve its strength, and ensure the quality of concrete members. The concrete vibrator is a mechanized tool for tamping concrete.

OPERATION

Before operating, first insert the latch on the gasoline engine frame into the base.

Insert and fix the Vibrator into the coupling.

Use unleaded grade petrol and ensure that the fuel is free from contamination.

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 of 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.

The machine should be controlled by grasping the handle with both hands and applying restraint to control the forward motion. Forward or backward motion has problem, adjust the red handle or nut. Steer the machine by moving the handle sideways to the right or left.

- Make sure that all dirt, nut, etc., are thoroughly removed from the unit prior to operation. Special effort should be given to the button face of the vibrating plate and those areas adjacent to the cooling air inlet of engine, carburetor, and air cleaner.
- Check all bolts and screws for tightness and make sure all bolts and screws are securely tightened.
- Loose bolts and screws may cause damage to the unit.
- Check the engine oil level and if the engine oil level is low, it should be refilled. Use the proper motor oil as suggested in the table below. (see Figure A)
- Remove the oil plug in the vibrator assembly and check the oil level. Make sure the compactor is level when checking. The oil level should be up to the oil plug. Every month or every 200 hours of operation, replace the oil.

Season Temperature	Grad of motor oil (higher than MS class)
Spring Summer or Autumn +120°F to +40°F	SAE 30
Winter +40°F to +15°F	SAE 20
Below +15°F	SAE 10W-30

IMPORTANT

Use the motor oil SAE

When changing the oil, the old oil can be drained by tipping the unit. The oil will drain easily while it is hot.

A regular grade gasoline should be used in the engine. When filling the fuel tank, make sure the fuel filter is used.

Caution

- Be careful with the operating place and ventilation. Avoid operating the machine in a closed room, tunnel, or other badly ventilated places, since its exhaust contains deadly poisonous carbon monoxide. If the machine is employed unavoidable operated in such a place, discharge the exhaust out the room by a suitable means.
- Be careful with the hot members.
Mufflers and other hot members are dangerous. Do not touch them with unprepared hand.
- Observe with the following cautions when transporting. Clamp fuel tank cap securely, and turn the fuel have OFF at the source during Drain gasoline from fuel tank before transporting over a long distance or on rough roads.
- Stop engine without fail before replenishing fuel tank.
Never replenish gasoline while the engine is running or remains hot otherwise spilled or evaporated fuel is liable to catch fire from engine sparks or muffler heat.
Wipe off spilled fuel, if any, before starting engine. Be careful not to spill fuel.
- Keep inflammables way from the vicinity of the exhaust port.

Starting

- Turn the STOP SWITCH clock-wise to the position (ON) (see Figure B)
- Open the fuel cock (see Figure C)
- Set the speed control lever 1/3 to 1/2 of the way towards the high-speed position. (see Figure D)
- Close the choke lever.

If the engine is warm or the ambient temperature is high, open the choke lever half-way, or keep it Fully open.

If the engine is cold or the ambient temperature is low, close the choke lever

fully (see Figure E).

- Pull the starter handle slowly until resistance is felt. This is the “compression” point. Return the handle to its original position and pull swiftly.
Do not pull out the rope all the way.
After starter the engine, allow the starter handle to return to its original position while still holding the handle.

Operation

- As the engine warms up, gradually move the choke lever to the OPEN position (see Figure F).
- Move the speed control lever from the LOW to the HIGH position. When the engine speed reaches approximately 2,300-2,600rpm., the centrifugal clutch engages. If the engine speed increased very slowly, it is possible that the clutch can slip. Do not operate the speed control lever slowly. (see Figure G, H).

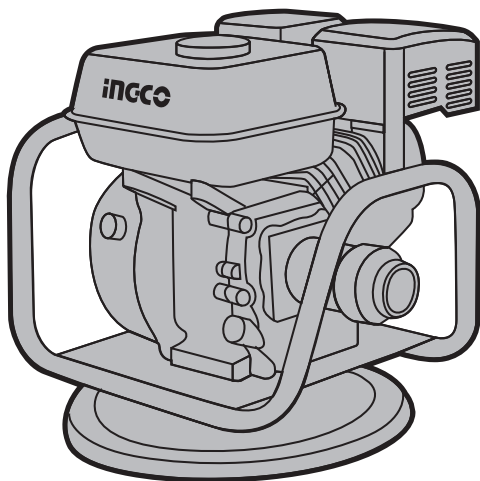
While the vibrator is working, the vibrator shall be inserted vertically or aslant into the concrete, and vibrate for a while before use. The vibrator shall move up and down. For concrete in layer on members or structures, the vibrator shall be inserted into the layer which has been vibrated for the next layer to eliminate gap between layers, obtaining the overall effect.

After half an hour of continuous work, the vibrator shall stop for a period of time to prevent mechanical damage due to overheat.

In order to protect hoses, the bend radius shall not less than 500mm.

MAINTENANCE&MALFUNCTIONS

1. The vibrator shall be taken apart every 50-100hrs to have all parts cleaned. First twist off the head and horse connector (both with left screw), knock the large-diameter extended rolling cone with a wooden hammer, and take out the rolling cone, bearing, oil seals, etc. And then remove the hose connector (with right screw). Now, you can take off all the parts.
2. After cleaning, replace damaged parts, and then reassemble the vibrator. Except the bearing, the oil on all parts must be removed. Ensure the rolling cone surface and casing free of any oil.
3. The screw connection on the end of vibrator must be threaded tightly to prevent mortar water from entering the vibrator, stopping its vibration.
4. If the vibrator doesn't work or lacks strength, you may take apart the vibrator to check for the oil seal. If the oil seal is in good condition, then remove the oil in the casing and on the rolling cone surface. The best materials used in hardware hose and fittings feature largely in a quality vibrator. The software assembly requires high technical requirements. The vibrator seems simple, but in order to achieve very low return rate, the installer is never too careful. The material shall be replaced immediately even if there is only a tiny material issue. The fittings shall be thickened at ends to protect the hose to make it difficult to break off, and to achieve stable quality, long wear time, and high vibration force; at the same time, the vibrator head made of quality steel has good wear resistance, even if it breaks, with replacement of fittings and repair, the vibrator can work as a new one. Compared with similar products available in market, this vibrator has a significantly longer service life.
5. The gasoline engine vibrator shall not be placed under no-load running for a long time. In manufacturing operation, a firm and reliable form clamping device is required to ensure the form vibrates with the concrete countertop.
6. The gasoline engine vibrator shall be kept clean and neat to maintain good contact with steel form. As the countertop can easily crack under vibration at high frequency and heavy load, please provide regularly check and timely repair. Every shift shall clean the vibrator after the completion of work.



MADE IN CHINA 1124.V13

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