



Cordless Concrete Vibrator Operator's Manual



WARNING:

Read carefully and understand all INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Save these instructions in a safe place and on hand so that they can be read when required.

Keep these instructions to assist in future servicing.

1. GENERAL POWER TOOL SAFETY WARNINGS

WARNING

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work Area Safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical Safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal Safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

4) Power Tool Use and Care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5) Battery Tool Use and Care

- a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

6) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

2. CORDLESS CONCRETE VIBRATOR SAFETY WARNINGS

- 1) Always keep your hands and face away from vibrating head when operating.
- 2) Switch off the tool immediately if you notice abnormal noise or something faulty during operation.
- 3) Inspect the tool carefully for breakage, cracks or deformation if you accidentally drop it or strike it against something.
- 4) Do not carry the tool with finger on switch.
- 5) Do not set the tool down and switch it on. The vibrating head may whip around out of control and cause an accident.

- 6) Be careful not to allow water, wet concrete or the like to get into the tool. Do not let the tool fall into wet concrete.
- 7) Insert the vibrating head carefully between iron/steel frames or reinforcing rods not to come in contact with them.
- 8) Do not crush or twist the flexible hose.
- 9) Do not overly bend the flexible hose.
- 10) Use a wet cloth or the like to carefully wipe off any wet concrete left on the tool after use.
Extra care should be given to thorough cleaning of the vents, switch area, cover openings, etc.
- 11) Do not use the tool in the rain. Do not clean the tool in water.

3. IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY AND CHARGER BATTERY

- 1) Battery must be fully charged before first use.
- 2) Insert charger pin to battery. Plug the charger into a 100-240 AC outlet, a red light should appear on the charger. Charge the battery until the light on the charger turns solid green.
- 3) Always charge the battery at room temperature (suggested temperature range is 32°F/0°C to 120°F/49°C). If the battery is used in a cold environment, allow it to warm up for at least an hour before charging. Cold batteries will not be charged completely and battery components may be damaged.
- 4) Only charge battery in well ventilated area away from flammable materials such as cloth or carpeting.
- 5) To disconnect charger, remove the plug from outlet, then disconnect the charger from the battery.
- 6) DO NOT leave the charger being connected to the battery for more than 24 hours.
- 7) The battery status indicator is mounted on the top of the battery to allow you to observe the level of the battery power while in use. To check the charge level, simply press the indicator button. The lights on the status indicator show the charge level of the battery.
 - a) One LED: 0~40% battery capacity; b) Two LED: 40%~70% battery capacity;
 - c) Three LED: 70%~85% battery capacity; d) Four LED: 85%~100% battery capacity.
- 8) If battery becomes warm or hot during charging procedure, disconnect it from charger. Allow battery to return to room temperature, and attempt to charge again. If this persists a second time, disconnect battery from charger and contact customer service.
- 9) Battery Maintenance Responsibility: Fully charge and discharge the battery at least once every 8 months to maintain battery's health.
- 10) Store the battery on a full charge.
- 11) When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or fire.

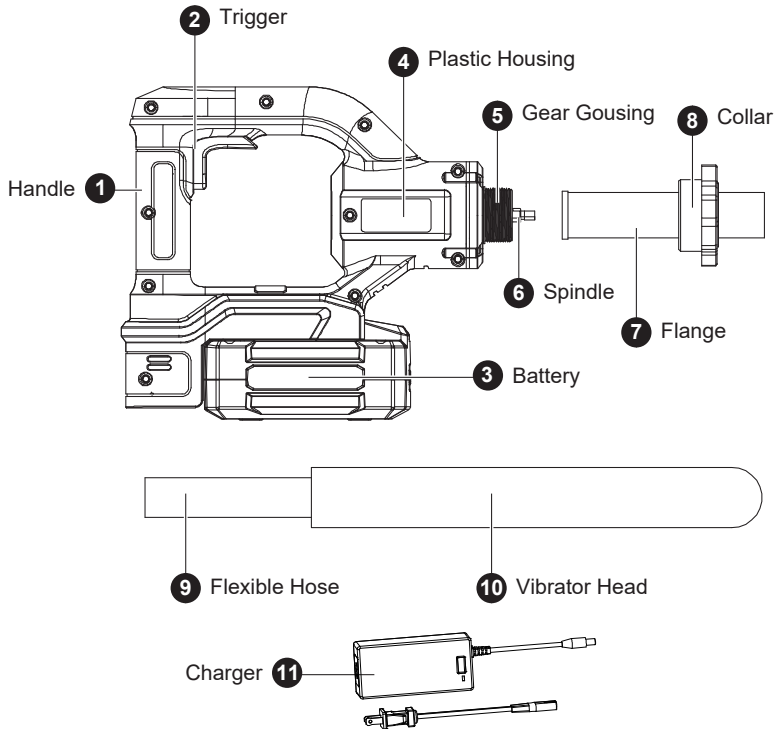
CHARGER

- 1) The battery is charging when the LED light on the charger is red. When the battery is 100% charged, the light on the charger will turn solid green.
- 2) The provided charger has a built-in overcharge protection to prevent the battery from being overcharged.
- 3) Charging time is approximately 1.5 hours for a fully discharged battery.
- 4) Regularly inspect the charger for damage to the cord, plug, enclosure and other parts. In the event of such damage, the charger must not be used until it has been repaired or replaced.
- 5) Unplug the charger from the wall outlet when not in use. **As a safety mechanism, when the charger stops charging because the battery is full, the charger must be reset by unplugging it from the wall outlet before it will resume charging.**
- 6) **Use only the charger supplied with this scooter or a recommended replacement specified by SuperHandy. Failure to confirm compatibility, properly install, operate and maintain any charger, component or accessory can result in serious injury or death.**

4. TECHNICAL SPECIFICATIONS

SKU#	GUT139
Motor	48V DC Brushless Motor
Vibration Speed	13,000 VPM (Vibrations per Minute)
Vibrator Head Dimension	1-1/4" (32mm)
Vibrator Head Length	11" (280mm)
Flexible Shaft Assembly Length	4.9ft. (1.5m)
Battery	48V DC, 2.0Ah
Charger	100-240V~, 50/60Hz
Net Weight (With Battery)	10.4lbs (4.7kg)

5. MAIN COMPONENTS



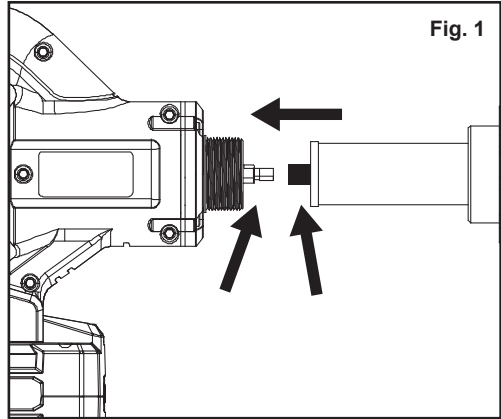
6. ASSEMBLY UNPACKING

When unpacking, check all the parts shown on the Parts list are included. If any parts are missing or broken, please call service number shown in this manual as soon as possible.

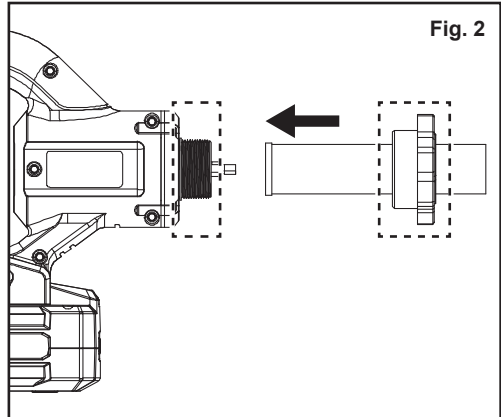
⚠ WARNING

To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

- 1) Take the tool and flexible hose out of box.
- 2) Screw the flexible shaft inside hose to the spindle thread.
(See Fig.1)



- 3) Screw the collar of flexible hose to the gearbox housing. (See Fig.2)

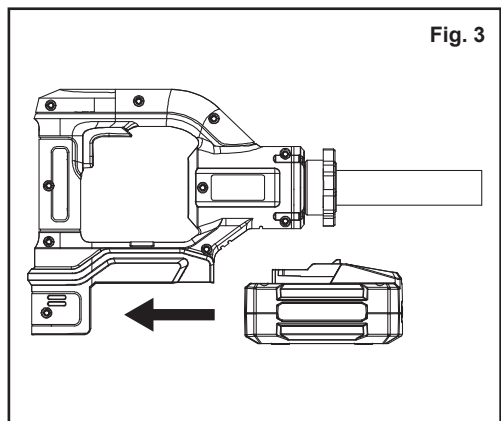


- 4) Insert the battery to the housing of tool. (See Fig.3)

7. OPERATION

Before inserting the battery into the tool, always check to see that the switch trigger is in the "OFF" position.

- 1) Carry the tool to where the concrete is being poured. **Never carry the Concrete Vibrator by holding the Vibrating Head.** Always carry it at the handle and flexible hose by both hands.
- 2) Insert the Vibrator Head and Flexible hose into the concrete. **DO NOT** allow water or wet concrete go into the motor. This could cause electric shock to the operator or damage the motor.



- 3) Turn the motor on by gently squeezing the switch trigger (**See Fig.4**). The vibrator head will start vibrating once switch on. **DO NOT hit the vibrator head to solid ground. There are two holding positions of trigger. You can hold tool as comfort as you can.**

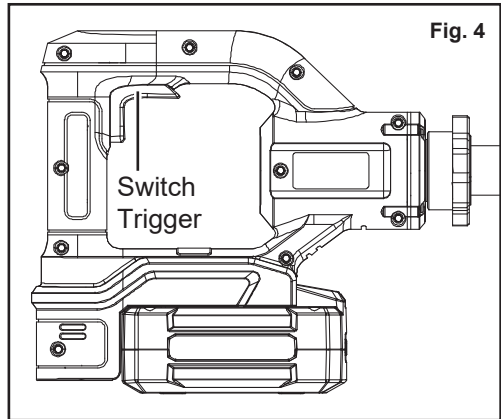


Fig. 4

- 4) With the Trigger squeezed, move the Vibrator Head up and down in the concrete to remove all of the air bubbles (**See Fig.5**). The effective air bubble removal range is about eight times diameter of the vibrating head, or around 254mm (10") (**See Fig.6**).

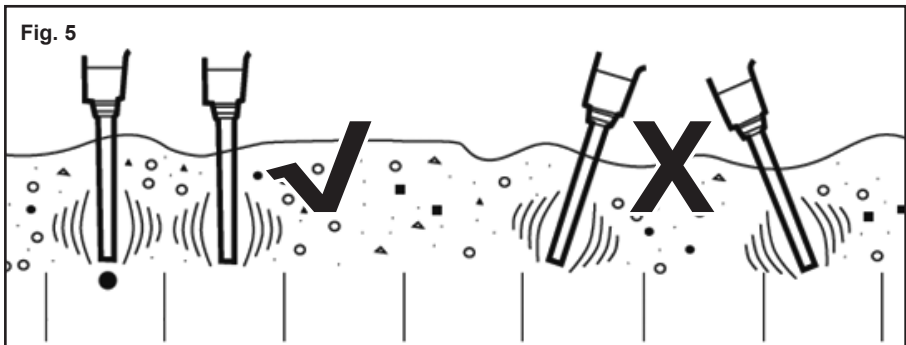


Fig. 5

- 5) **Effective leveling and removal of air bubbles** Removal of the air bubbles is complete after you have worked the tool throughout each effective range, the concrete stops shrinking, and the mortar has risen evenly to the surface, giving off a light appearance. Gently remove the tool not to leave holes.
- 6) When you are finished, turn of the unit by releasing the Trigger, and remove the battery from the tool by pressing release button at battery.
- 7) Immediately washing the vibrator head and flexible hose with clean water. **DO NOT** allow water go into the Vibrator Motor while cleaning.

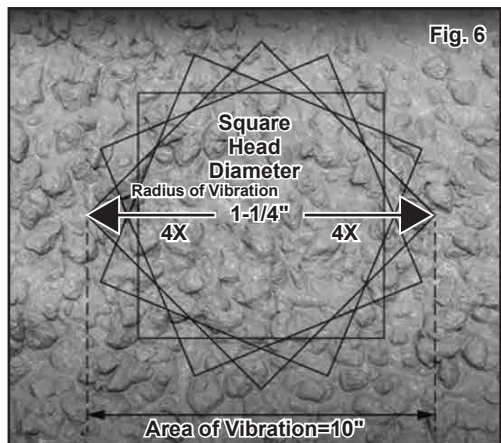


Fig. 6

8. MAINTENANCE

Before performing any inspection, maintenance or cleaning procedures, **MAKE SURE the Trigger is OFF**, and the battery is removed.

- 1) **BEFORE EACH USE**, inspect the general condition of the Concrete Vibrator. Check for any loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, check the problem and solve it before further using. **Do not use damaged equipment.**
- 2) Clean all components after each use. Remove all concrete residue.
- 3) To maintain product **SAFETY** and **RELIABILITY**, repairs, any other maintenance or adjustment should be performed by a qualified technician.

9. STORAGE

- Remove the battery from the tool before storing.
- Store the tool and its accessories in a dry, frost-free, and well-ventilated place out of the reach of children.
- The ideal storage temperature is between 50°F (10°C) and 86°F (30°C).
- Recommend using the original packaging or covering the product with a cloth for storage to protect it against excessive dust build up.

10. WARRANTY

Twelve (12) months for workmanship of the product, except for wearing parts. Warranty period starts from the product purchase date. Warranty covers material quality and workmanship only. Warranty does not cover product for issues caused by improper usage or any operation not in accordance with the specifications of this manual. Any modification or tampering with the product in any way voids the warranty.



Great Circle USA
Support Line: 1-866-493-0524
help@greatcircleus.com
www.greatcircleus.com