

Manual

## Inverter generator

GEN-200

**2 200 W**

Maximum starting power

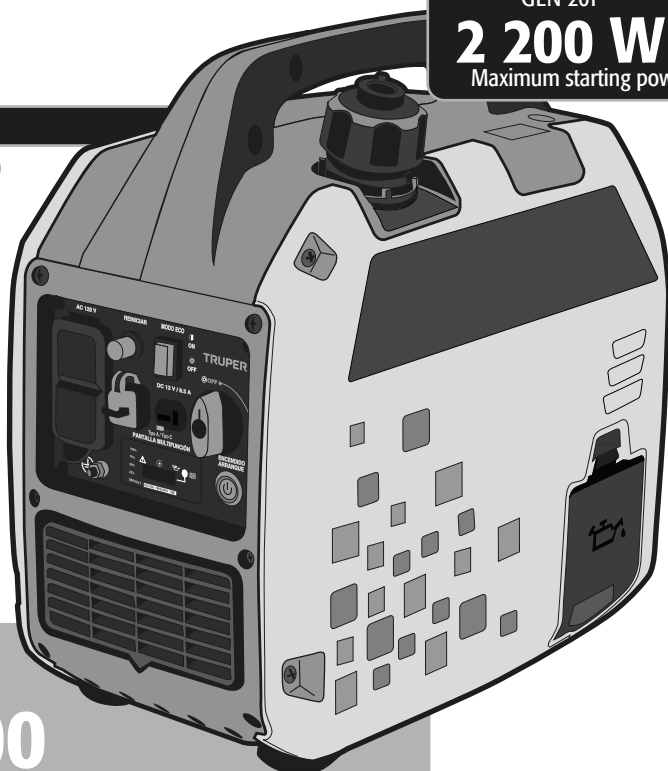
GEN-201

**2 200 W**

Maximum starting power

Applies for:

Codes	Items
103278	GEN-200
103279	GEN-201




**GEN-200**  
**GEN-201**



Read this manual thoroughly  
before using the tool.



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## **CAUTION**


To get the most out of the tool, extend its lifespan, claim the warranty if necessary, and avoid serious risks or injuries, please read this manual thoroughly before using the tool.

Please keep this manual for future reference.


The illustrations in this manual are for reference only and may differ from the real appearance of the tool.

## Use and care recommendations




 **DO NOT START** the generator **WITHOUT OIL** or the engine will suffer serious damage due to lack of lubrication.



 For better performance and durability, use higher-octane **UNLEADED** gasoline. In Mexico, using **PREMIUM** gasoline is recommended. Never use gasoline that is contaminated or mixed with oil or additives.




 **DO NOT** connect devices that exceed the maximum working power.

 Position the generator on a **STABLE AND FLAT SURFACE**.



 **DO NOT OPERATE THE GENERATOR IN RAINY OR HUMID CONDITIONS.** Refrain from using the machine with wet hands.



 Perform regular maintenance on your machine (pages 19, 20 and 21).

	GEN-200	GEN-201
Code •	103278	103279
Description •	Inverter generator	Electric start inverter generator
Engine rated power •	2 300 W (3 Hp)	
Engine •	4 cycles	
Displacement •	80 cm <sup>3</sup> (cc)	
Fuel •	Gasoline	
Fuel tank •	4 L	
Output •	2 contacts of 120 V AC (single-phase) 2 USB ports 5 V DC (Type A / Type C) 1 contact 12 V DC for battery charging	
Voltage •	120 V~ / 60 Hz / 12 V c.c. 5 V c.c.	
Maximum starting power •	2 200 W	
Maximum working power •	1 900 W	
Noise level •	66 dB a 7 m	
Duty cycle •	30 min rest per tank consumed.	

## Fuel requirements



For better performance and durability use higher-octane gasoline. In Mexico, we suggest using PREMIUM gasoline.

- The equipment has an air-cooled 4-stroke motor using pure unleaded gasoline.
- For no reason at all mix oil with the fuel.

**⚠ WARNING** • For no reason at all use fuel mixed with ethyl alcohol (gasohol), ethanol or methane. These attract humidity causing separation and acid build up when stored. Acidity can damage the motor fuel system when stored.

- To avoid having problems with the motor, please drain the fuel system before storing the equipment 30 days or longer. Drain the gasoline tank, start the motor and leave it running until the fuel lines are empty. Next season, use fresh gasoline.

- Never use inside the gasoline tank products to clean motors or carburetors. Those products can cause permanent damage to the Motor.

**Do not use the equipment in closed areas.**

**⚠ DANGER** Prevent breathing accumulated carbon monoxide, an odorless, toxic and potentially fatal gas.

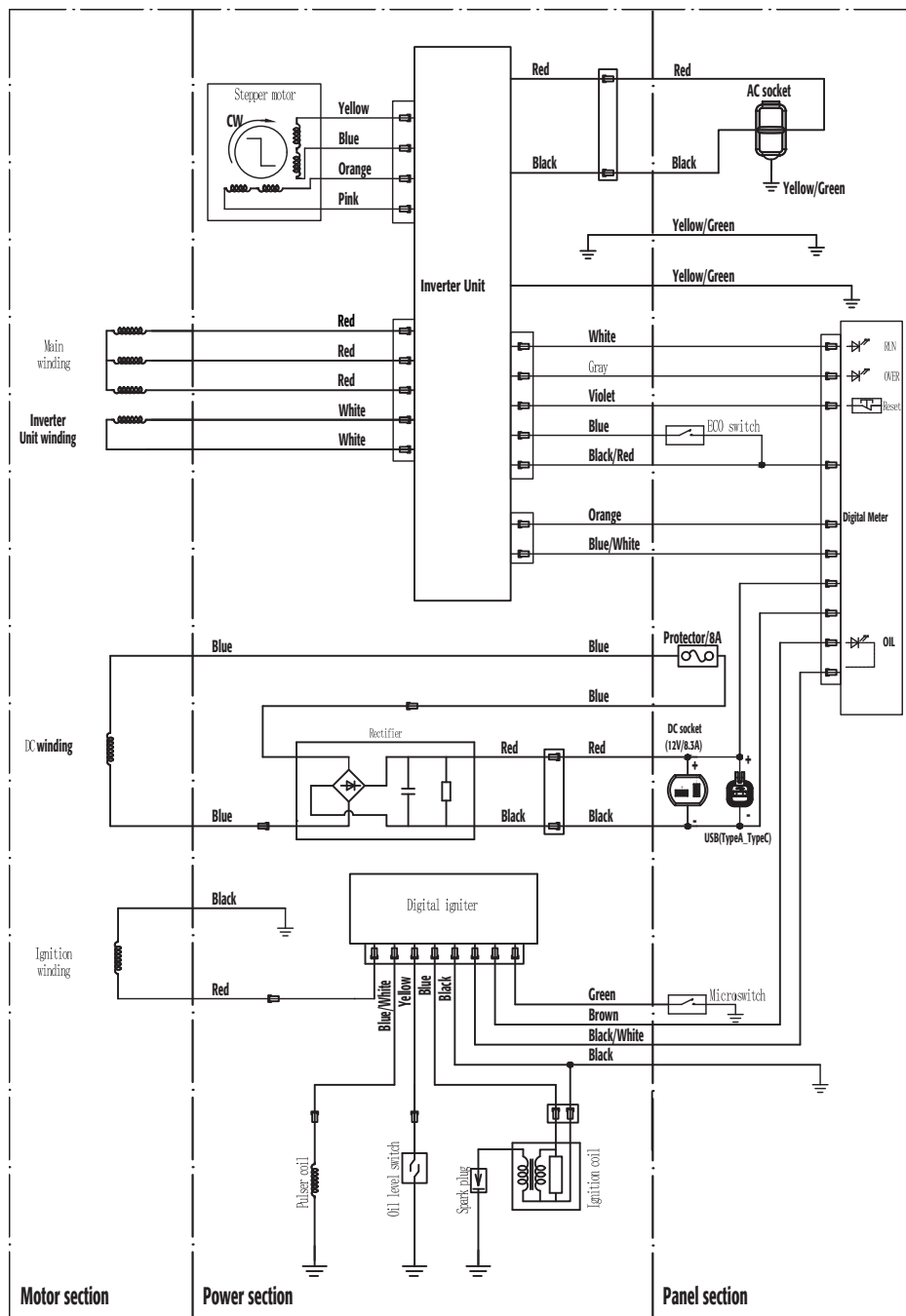


**Never smoke near fuel.**

**⚠ DANGER** Do not smoke near the filling-up area or while operating the equipment.

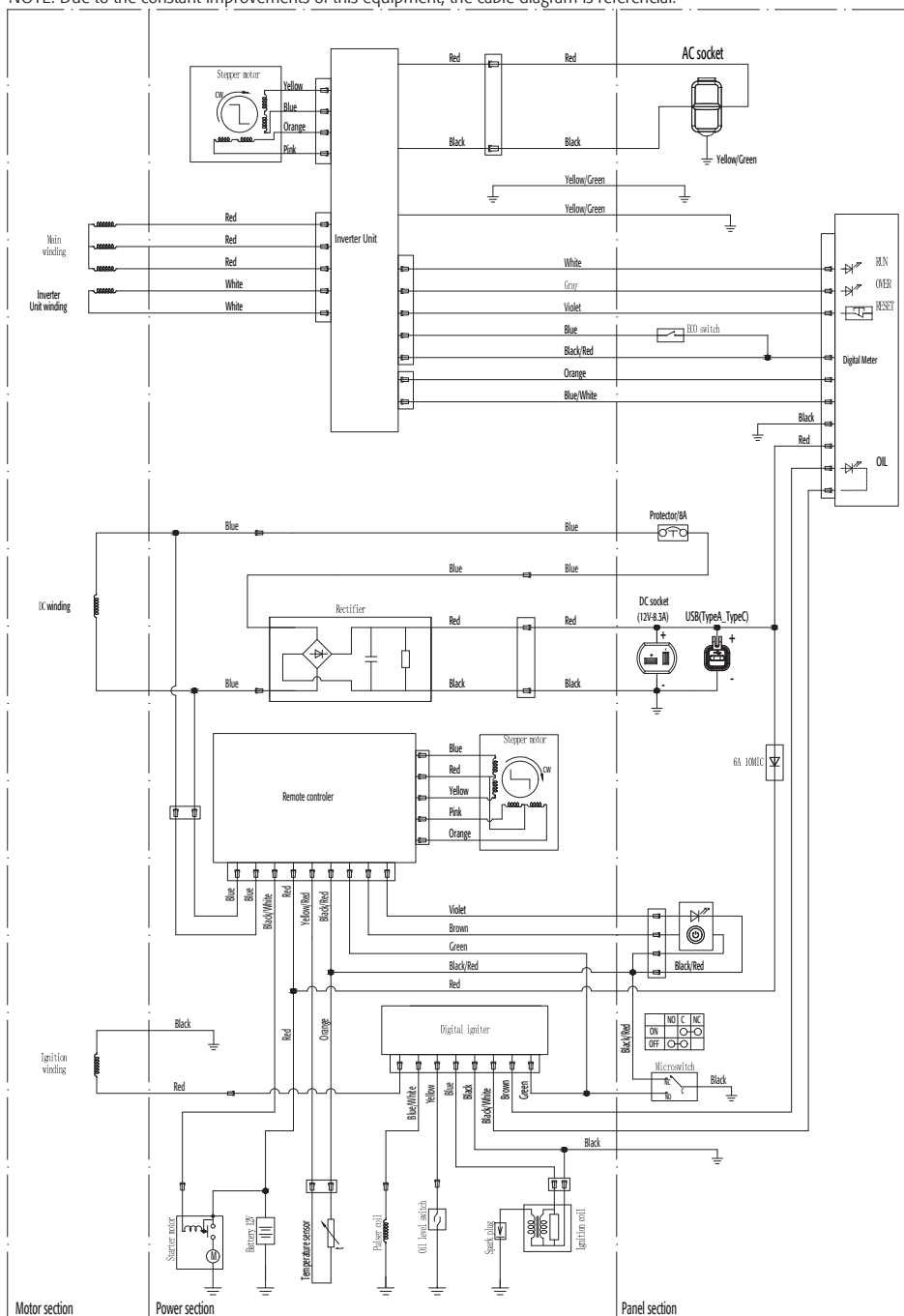


GEN-200



## GEN-201

NOTE: Due to the constant improvements of this equipment, the cable diagram is referencial.





**WARNING** Read all safety warnings and all instructions listed below carefully. Failure to follow any of them may result in electric shock, fire, and/or serious injury. **Keep the warnings and instructions for future reference.**

### Work area

#### Keep your work area clean and well-lit.

Cluttered and dim areas can lead to accidents.



#### Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gas, or dust.

The electric tools produce sparks that can ignite flammable material.



#### Keep children and other individuals at a safe distance while using the equipment.

Distractions can cause loss of control and lead to accidents.



#### Operate the generator ONLY outdoors.

Do not operate the generator indoors. The generator produces carbon monoxide: a highly toxic, odorless gas. Inhaling it can cause nausea, fainting, or even death.



### Electrical safety

#### Electrical tool plugs must match the outlet. Never modify the plug in any way. Do not use adapters with grounded electrical tools.

Unmodified electrical tools and matching plugs will reduce the risk of electric shock.



#### Avoid bodily contact with grounded surfaces, such as pipes, radiators, stoves, and refrigerators.

There is an increased risk of electric shock if your body is grounded.

#### Do not expose the tool to rain or humid conditions.

Water entering the tool increases the risk of electric shock.

#### Do not handle the generator or electrical cords while standing in water, barefoot, or with wet hands or feet.

Water increases the risk of electrical shock.

#### Do not use equipment with electrical cords that are frayed, broken, stripped, tangled, or damaged in any way.

Damaged or tangled cords increase the risk of electrical shock.

#### Only use flexible extension cords coated with rubber (in accordance with IEC 245-4) or its equivalent.

Using inadequate extensions increases the risk of electrical shock.

### Personal safety

#### Be alert, watch what you are doing, and use common sense when handling a tool. Do not use it if you are tired or under the influence of drugs, alcohol, or medication.

A moment of distraction while using the tool can cause personal injury.

#### Use safety equipment. Always wear eye protection.

The use of safety equipment such as safety glasses, dust mask, slip-resistant shoes, helmet, and ear protection in appropriate conditions significantly reduces the risk of personal injury.



#### Avoid accidental starts. Disconnect all equipment from the generator before starting it.

Unattended power tools with the switch in the on position can cause accidents.

#### Remove any wrenches or adjusting tools before starting the generator.

Wrenches or tools left on the rotating parts of the tool can cause personal injury.

#### Do not exceed your range of motion. Keep both feet firmly planted on the ground and always maintain balance.

This allows better control of the tool in unexpected situations.

#### Dress appropriately. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.

Loose clothes, jewelry, or long hair can get caught in moving parts.



#### Do not touch the exhaust while the generator is running.

The temperature of the muffler and nearby areas can exceed 65 °C (150 °F).

To avoid burns, let the engine cool down before handling or storing the generator.

### Generator use and care

#### Do not overload the generator. Use it within the range for which it was designed to ensure efficient and safe operation.

Do not use any device to increase the generator's capacity.



#### Only connect suitable power tools.

Do not use power tools for heavy-duty tasks for which they were not designed.

#### Do not use power tools if the switch does not work.

Any power tool that cannot be turned on or off is dangerous and should be repaired before operation.

#### Turn off the generator and wait for the engine to cool down before making any adjustments, changing accessories, or storing it.

This reduces the risk of burns or accidentally starting the equipment.

#### Store the tools out of the reach of children and do not allow them to be handled by individuals unfamiliar with the tools or their instructions.

Power tools are dangerous in untrained hands.



#### Maintain the tool. Ensure that the moving parts are not misaligned or jammed, and that there are no broken parts or other conditions that may affect its operation.

#### Repair any damage before using the tool.

Many accidents are caused by inadequate tool maintenance.



#### Keep the tools in the best condition possible.

Connect tools to the equipment that are in optimal condition to ensure good work and safe operation.

#### Use the generator, its components, and accessories according to these instructions and in the manner intended for the type of work, under suitable conditions.

Using the tool for applications other than those for which it is designed could lead to a hazardous situation.

### Service

#### Repair the tool at a TRUPER Authorized Service Center using only identical replacement parts.

maintain the safety of the tool.



## Safety warnings for the use of inverter generators



# TRUPER



Pay attention to this safety alert symbol. Obey all safety signs followed by this symbol to avoid potential property damage, **INJURIES**, or **DEATH**.

Each safety message is preceded by a safety alert symbol and one of three words: CAUTION, WARNING, or DANGER.



**CAUTION** Indicates a hazardous situation that, if not strictly followed, will result in substantial property damage, serious injuries, or **DEATH**.



**WARNING** Indicates a hazardous situation that, if not strictly followed, may result in property damage, serious injuries, or **DEATH**.



**DANGER** Indicates a hazardous situation that, if not strictly followed, could result in property damage or injuries.



**WARNING** READ THIS MANUAL COMPLETELY BEFORE OPERATING.

DO NOT operate this generator until you have read ALL safety, operation, and maintenance instructions listed in this manual.

Failure to follow instructions may result in property damage, **INJURIES**, or **DEATH**.

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors that cannot be built into this product but must be considered by the operator.



**WARNING** This generator is intended for residential consumer use only.

Air-cooled generators cannot run continuously.

No modification of any part of the generator is allowed.



**CAUTION TOXIC GASES.** Engine exhaust gases contain carbon monoxide, an odorless and colorless poisonous gas. **USING THE ENGINE INDOORS CAN KILL YOU!**

NEVER use it inside any building or enclosed space, EVEN if doors and windows are open. Place the engine in a well-ventilated area and carefully consider wind and airflow when positioning the engine.



**WARNING KICKBACK.** The rapid retraction of the starter cord can pull the hand and arm toward the engine faster than it can release. Unintentional starting can result in entanglement, traumatic amputation, or laceration. Broken bones, fractures, bruises, or sprains.



**WARNING FIRE.** Operating this engine may generate sparks that can ignite fires around flammable materials. This engine is equipped with a spark arrestor muffler. If the engine will be used near flammable materials or on lands covered with materials such as crops, forests, brush, grass, or other similar elements, then an approved spark arrestor must be installed.

Consult local firefighters to learn about laws or regulations related to fire prevention requirements.

Flammable materials can catch fire when in contact with hot surfaces. Do not place flammable objects within 1.5 meters.



**WARNING HOT SURFACE.** Running engines generate heat. Serious burns can occur upon contact. DO NOT touch the engine while it is running or immediately after stopping. Avoid contact with hot exhaust gases.



**WARNING** The battery requires maintenance; if you have any doubts, contact a TRUPER service center.



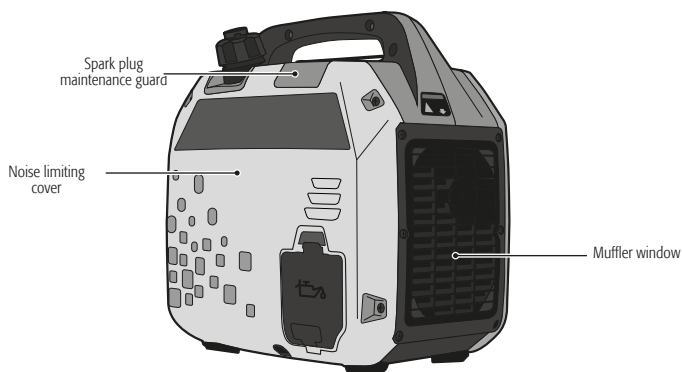
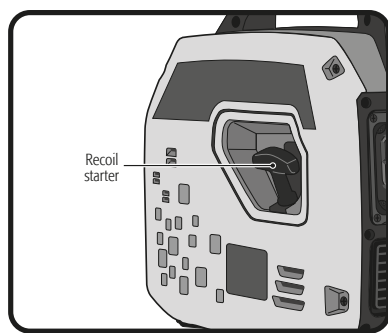
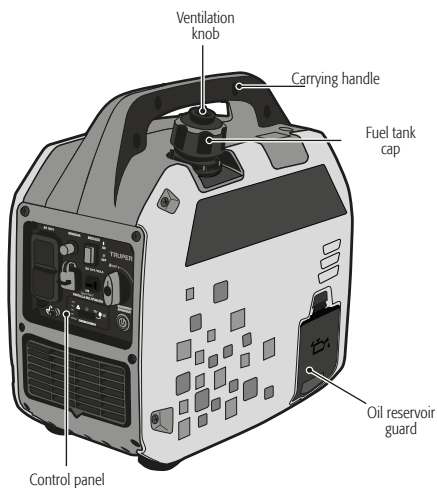
**WARNING FIRE OR EXPLOSION.**

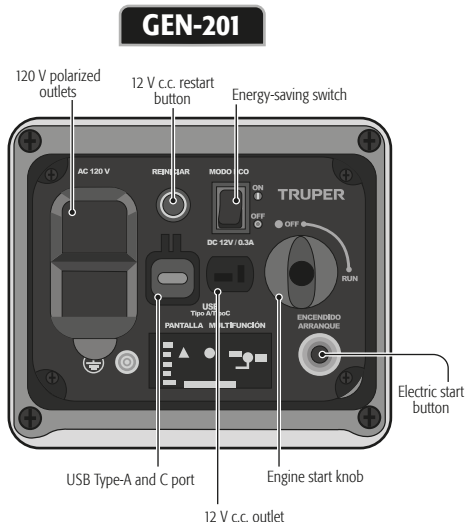
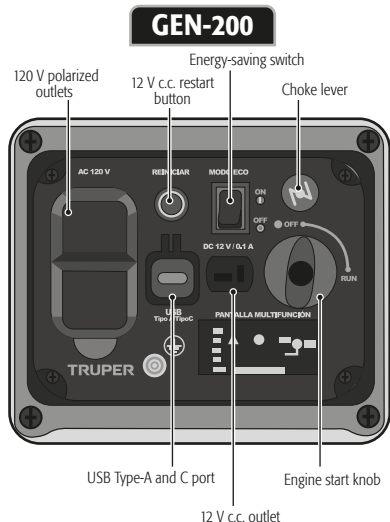
- Gasoline is highly flammable and extremely explosive.
- Fire or explosion can cause serious burns or death.
- Keep flammable objects away when handling gasoline.
- Fill the fuel tank outdoors and in a well-ventilated area with the engine turned off.
- Always clean up spilled fuel and wait until it dries before starting the engine.
- DO NOT operate the engine if there are leaks in the fuel system.
- Use proper procedures for fuel storage and handling.
- DO NOT store fuel or other flammable materials nearby.
- Empty the fuel tank before storing or transporting this engine.
- Keep a fire extinguisher nearby and be prepared in case a fire starts.

**⚠ WARNING** Before each use, check for loose or damaged parts, signs of oil or fuel leaks, and any other condition that may affect proper operation. Repair or replace immediately all damaged or defective parts. Locate all operation controls and safety labels. Ensure all safety instructions are in the correct position and condition. Operate only on level surfaces. DO NOT expose the generator to areas with excessive moisture, dust, or dirt. Always keep all safety guards in place and in proper working condition. DO NOT allow any material to block cooling openings. DO NOT allow children or untrained persons to operate the generator. DO NOT leave the generator unattended. Turn off the generator before leaving the area. Leave 1 meter of space around the generator to ensure good ventilation.

**⚠ CAUTION MOVING PARTS.** Moving parts can cause serious injuries. Keep hands and feet away. DO NOT operate the engine with covers, linings, or protectors not included in the machine's original design. DO NOT wear loose clothing, dangling cords, or items that can get caught. Tie back long hair and do not wear jewelry. Moving parts can catch hands, feet, hair, or clothing of the operator, causing traumatic amputation or fractures. NEVER place fingers, hands, or body near the engine when it is running.

**⚠ CAUTION ELECTRIC SHOCK.** This generator produces powerful voltage, and electricity CAN KILL YOU. This generator must be properly grounded to help prevent electric shocks. Improper grounding of the generator can result in electrocution. Consult an electrician to understand grounding requirements. The installation must be performed by a certified electrician. Incorrect installation can result in electric shocks and death. To reduce the risk of electric shocks, DO NOT use worn, frayed, stripped, or otherwise damaged electrical cables. DO NOT touch exposed wires or plugs. DO NOT operate the generator in rainy conditions. Keep the generator dry. DO NOT handle the generator or electrical cables while standing in water, barefoot, or with wet hands or feet. Keep children or pets away from the generator. DO NOT connect any generator to the building's electrical system without the proper use and installation of a transfer switch installed by a qualified electrician. When using the generator as a backup power source, notify the utility company. Use an approved transfer generator to isolate the generator from the electrical grid. Failure to isolate the generator from the electrical grid can result in death or injury to utility workers due to electric back feed.





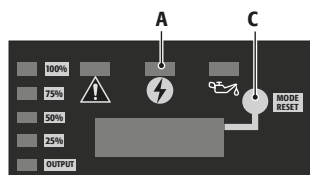
## Control panel

### Multifunction display (green)

The operation indicator (A) lights up when the generator is turned on, while the digital voltmeter simultaneously turns on. The digital voltmeter allows monitoring of the following parameters.

- Maximum available voltage: U 120 (Voltage 120 V~)
- Operating frequency: F 60.0 (Frequency 60 Hz)
- Operating time per session: A 0.0 (1 hour)
- Total operating time: 009.8 (9.8 hours)
- To switch between voltmeter parameters, press button (C).

On the left side of the display are five indicators (OUTPUT, 25%, 50%, 75%, 100%) that light up depending on the power demanded by the generator during operation.

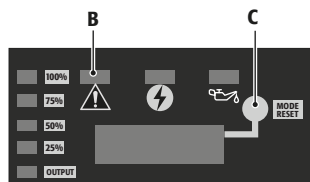


### Overload indicator (red)

When the overload indicator (B) is on and the display shows 0, it means the generator is overloaded and may cause the frequency converter to overheat or the AC voltage to increase. At this point, the AC protector kicks in, cutting off the generator's output to protect the electrical equipment and the generator itself.

**NOTE:** The operation indicator (green) will turn off, and the overload indicator (red) will turn on, but the engine is still in operating mode. When the generator has no output and the overload indicator is on, follow these steps:

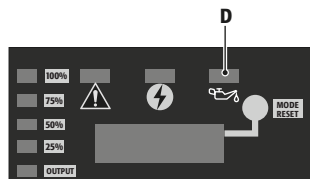
1. Reduce the total power of electrical devices connected to the generator's rated output range.
2. Ensure all devices are functioning correctly before connecting them to the generator. If a device starts operating abnormally, turn off and disconnect the equipment from the generator.
3. Press the reset button (C).



### Oil level indicator (yellow)

When the oil level drops below the lower limit, the oil protection system will automatically stop the engine, and the oil level indicator (D) will flash when pulling the cord. The engine will not operate until the oil is filled to the proper level.

**NOTE:** If the engine shuts off or does not start, turn the two-in-one switch to the "RUN" position and then pull the cord. If the oil level indicator lights up, it indicates a lack of oil. Add oil to the proper level and restart the engine.



## Choke lever

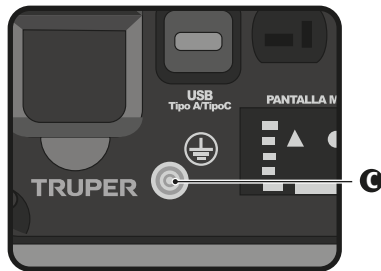
For a cold start, close (pull) the choke lever. When starting hot, open (push) the choke lever (A).

**NOTE:** Applies only to GEN-200



## Ground terminal

The ground terminal (C) is designed to prevent electric shocks when connected to the ground cable. The generator must be properly grounded before operation.



## Energy-saving switch

When the energy-saving switch (B) is in the "ON" position, the equipment controls the engine rotation speed according to the connected loads. There will be low fuel consumption and low noise levels.

When the energy-saving switch is in the "OFF" position, the engine will always run at the nominal rotation speed, regardless of the connected loads.

**NOTE:** Set the energy-saving switch to the "OFF" position when connecting to an air compressor, submersible pump, etc., as these devices require a large starting current.



## Engine control knob

When the switch (D) is in the "OFF" position, it indicates that the engine switch and fuel switch are off.

When the switch (D) is in the "RUN" position, it indicates that the engine switch and fuel switch are on.



## Reset button

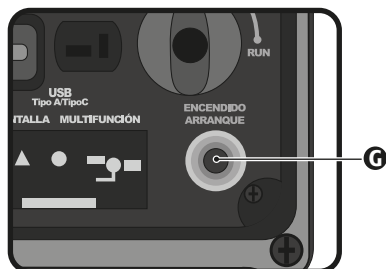
The reset button is used to restore the 12V DC output in case of overload. To restore the output, reduce the load and press the reset button (E).



## Electric start button

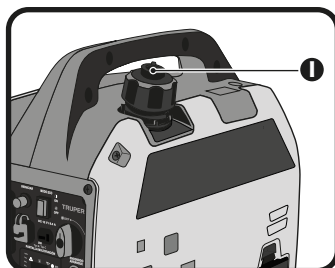
To start the generator, press the button **(G)** with your finger for 3 seconds.

**NOTE:** Applies only to GEN-201



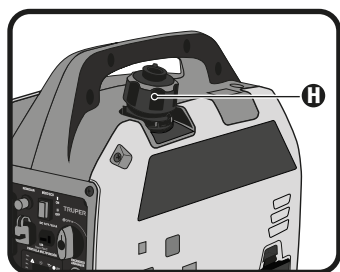
## Ventilation knob

The fuel tank cap is equipped with a ventilation knob to prevent fuel leaks. The ventilation knob must be in the "ON" position when operating the generator. This allows fuel to be injected into the carburetor and start the engine. To prevent fuel leaks, turn it to the "OFF" position when transporting or when the generator is not in use **(I)**.



## Fuel start cap

Remove the fuel tank cap by turning it counterclockwise **(H)**.



## Operation checklist

- Use the generator **ONLY OUTDOORS** and place it in a well-ventilated area.
- Operate the generator only on a flat and level surface and in a clean, dry operating environment.
- Allow a 1-meter space on all sides of the generator while operating it outdoors.
- Operate the generator in specified areas; consult with local authorities. In some areas, it may be necessary to register the generator with the utility company. Generators used at construction sites may be subject to additional rules and regulations.

**⚠ CAUTION • TOXIC GASES.** The generator's exhaust gases contain carbon monoxide. **Using the engine indoors CAN BE FATAL! NEVER** use it inside a building or any type of enclosure, **EVEN** if doors and windows are open. Place the generator in a well-ventilated, clean area. Consider the wind direction and airflow when positioning the engine.

**⚠ CAUTION** • At high altitudes, the fuel quantity in the carburetor mixture increases, decreasing performance and increasing fuel consumption.

• Even with proper carburetor adjustment, engine power decreases by 3.5% for every 305 m (1 000 feet) above 2 100 m (6 890 feet) above sea level. Power loss will be more significant if carburetor adjustments are not made. Consult a TRUPER Authorized Service Center for adjustments.

## Operation control

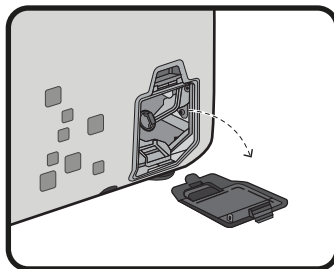
- Check for loose or damaged parts, signs of oil or fuel leaks, and any other conditions that may affect proper operation.
- Repair or replace any damaged or defective parts immediately.

**⚠ WARNING** • Failure to address issue(s) before operation may result in property damage, serious injuries, or **DEATH**.

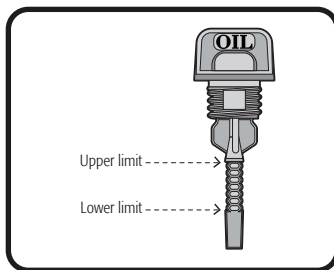
- Remove any excessive dirt or debris, especially around the muffler and pull cord.
- DO NOT move or tilt the generator during operation.
- Use the generator only for its intended purposes. If you have questions about heavy-duty use, consult your local distributor.

## Engine oil check

- Place the engine on a level surface with the engine off. Check the engine oil level.



- Remove the oil maintenance cover. Pull out the oil dipstick and wipe it clean.
- Reinsert the dipstick into the hole; rest it on the oil fill neck, DO NOT screw the cap into the hole.
- Remove the dipstick again and check the oil level. The level should be between the upper and lower limits.
- Fill up to the upper limit mark on the dipstick with the recommended oil if the oil level is too low.



- Reinstall and fully tighten the oil dipstick.
  - Reinstall the oil maintenance cover.
  - Refer to the instructions for adding oil in the MAINTENANCE section for more information.
- Oil Capacity (nominal): The oil reservoir requires at least 300 ml of SAE-10W30 oil.

**⚠ WARNING** • Oil is a crucial factor affecting performance and lifespan. Use recommended 4-stroke automotive oil as outlined in the MAINTENANCE section of this manual.

**⚠ DANGER** • Operate the generator only on level surfaces. The engine is equipped with a low oil level sensor that will automatically shut down the engine when the oil level drops below the safe limit. To prevent unexpected shutdowns, fill up to the upper limit and regularly check the oil level.

**⚠ WARNING** • This engine is not filled with oil before leaving the factory. Any attempt to start the engine before properly filling it with the recommended type and amount of oil can cause engine damage and void the warranty.

## Fuel check for the generator

- With the engine off, check the fuel level. Refill the fuel tank if necessary.
- Use regular, clean, and fresh unleaded gasoline.
- DO NOT mix oil with gasoline. Always clean up any spilled fuel.

**⚠ DANGER** • Pressure can build up in the fuel tank. Allow the generator to cool for at least two minutes before removing the fuel cap. Loosen the fuel cap slowly to release any pressure in the tank. Make sure not to overfill above the upper limit mark. Always leave space for fuel expansion of 3.5 L.

**⚠ CAUTION • FIRE OR EXPLOSION.** Gasoline is highly flammable and extremely explosive.

- Keep flammable items away when handling gasoline.
- Fill the fuel tank outdoors and in a well-ventilated area with the generator off.
- Always clean up any spilled fuel and wait until the fuel has dried before starting the generator.
- DO NOT operate the generator with known fuel system leaks. Regularly check for any leaks in the fuel system.
- Use proper fuel storage and handling procedures. DO NOT store fuel or other flammable materials nearby.
- Have a fire extinguisher handy and be prepared if a fire starts.

**⚠ WARNING** • Do not overfill the fuel tank above the upper limit. Overfilling will result in engine shutdown. NEVER use engine or carburetor cleaning products in the fuel tank, as it may cause permanent damage.

- It's important to prevent the formation of gum deposits in essential parts of the fuel system, such as the carburetor, fuel filter, fuel hose, or tank during storage. Additionally, experience indicates that fuels mixed with alcohol (known as gasohol, ethanol, or methanol) may attract moisture, leading to separation and acid formation during storage.
- Acidic fuel can damage the generator's fuel system during storage. Be sure to review the instructions given in the "Storage" section.
- The effects of old, stale, or contaminated gasoline are not covered by the warranty.

**⚠ DANGER** • To minimize the formation of gum deposits in your fuel system and ensure easy starting, do not use leftover gasoline from the previous season.

- ⚠ DANGER** • Allow the generator to cool for at least two minutes before removing the fuel cap when adding fuel.
- Loosen the fuel cap slowly to release any pressure in the tank.

## Internal battery ground connection

Remove the housing plate. Use the M6 nut to connect the internal battery ground wire to the cylinder head cover for the internal battery ground connection.

**NOTE:** Only applicable for GEN-201.

## Electrical devices

- Disconnect all electrical devices from the generator before starting the engine.
- The generator may be difficult to start with electrical devices connected.
- The power of the connected electrical devices must not exceed the maximum power of the generator, refer to the parameter sheet for guidance.

## Generator grounding

The generator must be properly grounded to a suitable earth connection. This helps prevent electric shocks in case of a ground fault condition in the generator or connected electrical devices.

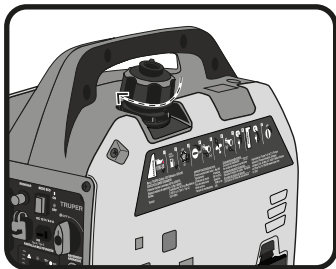
Proper grounding also helps dissipate static electricity, which often builds up in ungrounded devices.

**⚠ CAUTION** • Electric Shock. Failure to properly ground the generator can result in electric shocks. A grounding terminal is provided on the generator. For remote grounding, connect a piece of thick gauge copper wire (4 mm<sup>2</sup>) between the generator's ground terminal and a copper rod driven into the ground.

- Local electrical codes may also require proper grounding of the unit.
- We strongly recommend consulting with a qualified electrician to understand grounding requirements in your area.

## Generator start up

- Perform the operation checklist and remove all loads.
- Turn the ventilation knob on the fuel cap to the "ON" position to ensure fuel flow.



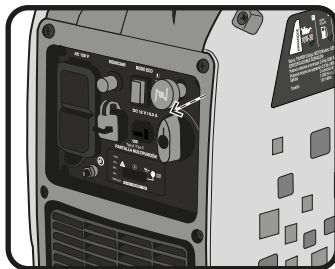
- Turn the two-in-one switch to the "RUN" position.



- Set the energy-saving switch to the "OFF" position. **(NOTE: Set the energy-saving switch to "OFF" when a large current start is required.)**



(For GEN-200) Pull the choke lever to close the valve.

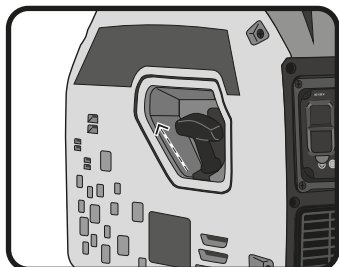


- ⚠ DANGER** • The choke position for starting may vary depending on various factors. If restarting a warm engine, pulling the choke lever is not necessary.

## Starter cord start

**⚠ WARNING** • Check the condition of the starter cord before operating. Replace it immediately if the cord is worn out.

- When starting the engine, grip the starter handle and pull slowly until you feel resistance. Then, pull quickly to start the engine. While pulling the cord, firmly grip the transport handle to prevent the generator from falling.



**⚠ WARNING** • **BACKLASH.** The quick retraction of the starter cord can pull your hand and arm towards the engine faster than you can release it.

- Unintended starting can result in entanglement, traumatic amputation or laceration, fractures, bruises, or sprains.

**⚠ WARNING** • The engine starting time must not exceed 15 minutes. If the engine does not start, allow the starter motor to cool for a minute before attempting again. Failure to follow this rule can damage the starter.

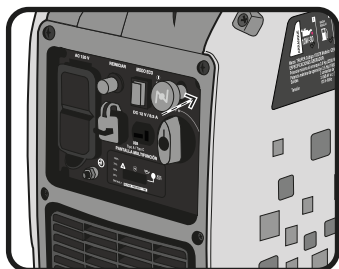
**⚠ WARNING** • If the engine does not start after three attempts or shuts off after starting, inspect and ensure that the generator is placed on a level surface and sufficient oil has been added to the engine.

- If the engine is equipped with an oil level indicator, it may prevent the engine from starting when the oil in the crankcase is below the minimum level.

- During the starting period, routinely inspect the engine oil. Refer to the maintenance section for the recommended maintenance interval.

- After the engine successfully starts and the temperature rises, push the choke lever to open the valve. If the engine runs unevenly (vibrates), push the choke lever to the halfway open position. Then, push it to the fully open position after the engine runs smoothly.

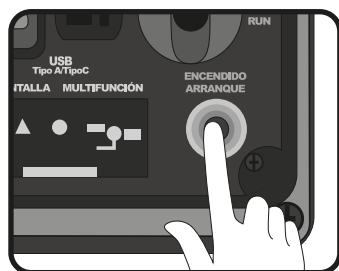
This point applies only to the GEN-200.



**⚠ WARNING** • If the engine is warm, open the choke lever when restarting the engine.

### Electric Start (GEN-201)

Press the electric start button for 3 seconds and release it after the engine starts.



- If the starter motor cannot turn the engine, release the switch button. Do not attempt to restart the engine before identifying the cause(s).

- Modifying or using another battery to start the engine is not allowed.

- If the engine speed rises above the starter motor speed but does not stay running (fails to start), then the engine must be stopped completely before attempting to start it again. If when the flywheel starts to turn automatically, the starter motor is still engaged, there may be a conflict between the outer ring gear of the flywheel and the starter motor pinions, which could damage the starter motor.

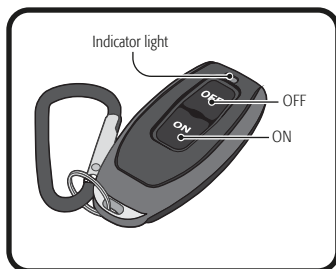
**⚠ WARNING** • When the generator's starter battery has low voltage and the generator start does not work, ensure that the fuel cap is in the ON position

## Remote start key (GEN-201)

- Set the engine ignition knob to the RUN position.
- Press and hold the ON button on the remote control for 1 second to start.

**NOTE:** Sometimes, the generator may take several attempts to start in cold weather. If the machine does not start within the first 10 seconds, wait 30 seconds before trying again.

- If the engine turns a little and then stops when you press the start button, it may indicate a low battery for manual starting.



- After all the previous operations, the battery can be charged normally.
- The remote control uses 1 CR2016 3 V DC lithium battery (included).

**⚠ WARNING** • Starting or shutting down the generator is prohibited when the generator's output terminal is connected to an electrical device and the electrical device is in the "ON" state.

## Connecting to electrical devices

### NOTE:

1. Inspect the power cord for damage before use. There is a risk of electric shock from crushing, cutting, or heat damage.
2. Ensure that the generator is properly grounded. If electrical devices require grounding, the generator must also be grounded.
3. Allow the engine to stabilize and warm up for a few minutes after starting.

4. Ensure that electrical devices are in the "OFF" position.
5. Connect and turn on electrical devices.
6. Turn off all electrical devices and disconnect them from the generator.
7. If the generator supplies power to multiple devices or electrical loads, start with the largest one first and the smallest one last.

**⚠ CAUTION** • If connected devices overheat, turn them off and disconnect them from the generator.

**⚠ CAUTION** • **ELECTRIC SHOCK.** To reduce the risk of electric shock, DO NOT use worn, frayed, peeled, or otherwise damaged electrical cables. DO NOT touch bare wires or plugs. DO NOT handle generators or electrical cables while standing in water, barefoot, or with wet hands or feet.

**⚠ CAUTION** • DO NOT overload the generator.

- Exceeding the generator's capacity can damage both the generator and the connected electrical devices.
- Ensure that the generator can supply enough rated watts (running) and starting watts for the electrical devices simultaneously. Follow these simple steps to calculate the required running and starting watts for your purposes.

- a. Count the electrical devices that will be powered at the same time.
- b. The amount of power needed to operate the devices is the total sum of their rated watts (running).
- c. The starting power is the energy needed shortly after starting the electrical devices. Since not all devices start at the same time, the starting power can be estimated by adding the maximum power of all devices to the total power calculated in step "b".

**⚠ WARNING** • It is necessary to equip with a circuit protector or switch to isolate the generator from the electrical grid when the generator is primarily used as a backup. Failure to isolate the generator from the electrical grid can result in injury or death to electrical utility workers and damage to the generator due to electrical power backflow.

Wattage reference

Electrical device		Rated power (W)	Starting power (W)
Appliances	27" (68.5 cm) computer	80	100
	Energy-saving lamp	5-50	5 -50
	Electric grill	1000	1000
	Computer	250	250
	Fan	50	100
	Washing machine	250	500
	Refrigerator	50	300
	Air conditioner	1600	3200
Power tools	Electric hammer	1000	1500
	Impact hammer	3000	6000
	Water pump	2200	5000
	Welder	5000	7500
	Air compressor	5000	10000

Generator shutdown

- Disconnect all electrical equipment from the generator panel.

**⚠ WARNING • NEVER** stop the engine with connected electrical devices in operation.

- Allow the generator to run without a load for a few minutes to stabilize the internal temperatures of the engine and the generator.
- Turn the two-in-one switch to the "OFF" position.
- For GEN-201 with remote control
- Repeatedly press the "OFF" button for 2-3 seconds to stop the generator.

**NOTE:** Replace the battery when the control distance is insufficient and/or when the indicator light on the remote control is not working. Refer to the maintenance section for more information.

If the generator will not be in service for more than 2 weeks, turn the knob to the "OFF" position or the battery will run out of power and the generator will not start.

- Turn the energy-saving switch to the "ON" position.



It is the operator's responsibility to complete all scheduled maintenance in a timely manner. Correct any issues before operating the generator. Always follow the inspection and maintenance recommendations, as well as the schedules outlined in this manual.

**⚠ WARNING** Incorrect maintenance or failure to address a problem before operation can cause malfunction and result in property damage, serious injuries, or DEATH. Improper maintenance will void the warranty.

**⚠ CAUTION** Accidental starts can cause serious injuries or death. Remove the spark plug cap and ground the generator before performing any service.

**⚠ WARNING** The filter element may contain PAH, which is harmful to health. Please use gloves to protect yourself during air filter maintenance.

## **Maintenance schedule**

Turn off the generator before servicing, disconnect all electrical devices and the battery (if equipped), and allow the generator to cool completely. Service the generator in a clean, dry, flat area to prevent accidents during servicing.

Follow the service intervals indicated in the table below. Service your generator more frequently when operating in adverse conditions. Consult your local authorized service dealer for your generator's or engine's maintenance needs.

**NOTE 1:** Applicable types (if available).

**NOTE 2:** Before and after each season (whichever comes first).

**NOTE 3:** Perform service more frequently in adverse, dusty, or dirty conditions.

**NOTE 4:** Service should be performed by knowledgeable and experienced owners or by the authorized dealer.

		Before use	After the 1st month or 20 hrs	Every 3 months or 50 hrs (note 1)	Every 6 months or 100 hrs (note 2)	Every year or 300 hrs (note 2)
Engine oil	check	√				
	replacement		√*		√	
Air filter	check	√				
	cleaning			√	Change	
Spark plug	check and adjustment				√	
	replacement					√
Spark arrester	cleaning				√	
Idle speed	check and adjustment					√
Valve clearance	check and adjustment					√

1. If the generator is operating in very dusty environments, carry out maintenance more frequently.  
2. Go to a TRUPER authorized service center to carry out this service.  
\*This only applies to the first oil change.

Generator maintenance

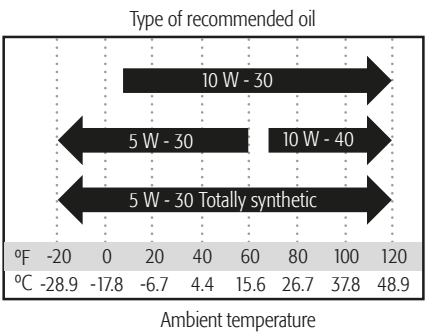
- Use a damp cloth to clean the exterior surfaces of the generator. Use a soft brush to remove dirt and oil.
- Use compressed air at 25 PSI (172.369 kPa) to clean dirt and debris from the generator.
- Inspect all ventilation grilles and cooling slots to ensure they are clean and unobstructed.

**⚠ WARNING** • Do not use water to clean the generator. Water can enter the generator through the cooling slots and damage the generator windings.

**⚠ WARNING** • Do not modify the generator in any way. Do not tamper with the speed regulator. The generator supplies the correct frequency and voltage when running with the factory settings. Tampering with the factory speed regulator will void the warranty.

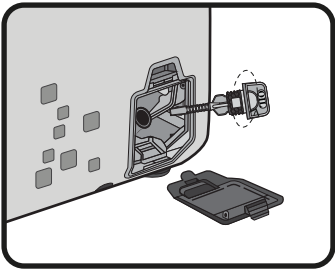
Engine maintenance

- Use only four-stroke engine oil with SJ, SL, or equivalent levels, meeting API standards or higher.
- Check the API label on the oil bottle or other container and ensure that the letters "SJ, SL" or the equivalent level are on the label.
- SAE 10W-30 is recommended for general use at all temperatures. Other viscosities shown in the chart can be used when the average temperature in your area is within the indicated range.

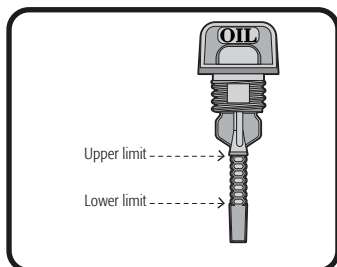


Oil capacity (Nominal)

- Adding Oil
- Place the engine on a level surface.
  - Remove the measuring dipstick and clean it.



- c. Add the recommended oil up to the upper limit indicated on the dipstick.
- d. Tighten the dipstick completely.
- e. Dispose of the used oil at an approved facility.



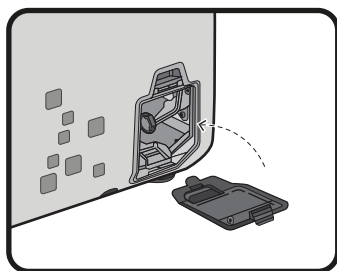
## Checking the oil level

**⚠ WARNING** Reinstall the dipstick in the hole; rest it on the oil fill neck. DO NOT screw the cap into the hole.  
Properly dispose of any used oil at an approved facility.

## Oil change

**⚠ WARNING** Change the oil when the engine is warm due to operation. The oil temperature can reach up to 140 °C when hot, and caution should be exercised when changing the oil to avoid burns.

- a. Place the machine on a leveled surface that is 300 mm higher than the ground.
- b. Remove the oil maintenance cover.



- c. Place the used oil pan on the ground.
- d. Remove the dipstick and tilt the machine to pour out the oil.
- e. Add the recommended oil up to the upper limit.
- f. Tighten the dipstick completely.
- g. Properly dispose of any used oil at an approved waste management facility.
- h. Reinstall the oil maintenance cover.

**⚠ WARNING** The engine is not filled with oil at the factory. Any operation before it has been properly filled with the recommended type and amount of oil can result in engine damage and void the warranty.

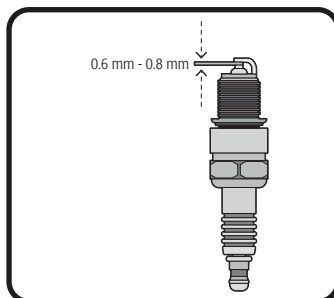
## Air filter

- a. Remove the housing.
- b. Loosen the filter securing clamp and remove the air filter cover.
- c. Take out the foam filter.
- d. Wash it with liquid detergent and warm water.
- e. Squeeze it thoroughly on a clean cloth.
- f. Soak it with clean motor oil.
- g. Squeeze on a clean absorbent cloth to remove all excess oil.
- h. Assemble the filter back into the filter unit.
- i. Attach the filter securing clamp.
- j. Reinstall the housing.

## Spark plug

- a. Clean any dirt from the spark plug cap and base.
- b. Remove the spark plug cap.
- c. Use a spark plug wrench to loosen and remove the spark plug.
- d. Inspect the spark plug and the spark plug washer; if it's broken or worn, replace it with a new one.  
Clean the spark plug with a wire brush if reusing.
- e. Check the spark plug gap. Carefully adjust the side electrode if necessary.

Spark plug gap: 0.6 mm - 0.8 mm.



- f. Screw the spark plug into the engine by hand.
- g. Once the spark plug is in place, use the spark plug wrench to tighten it.

Spark plug tightening torque: 15 N·m - 20 N·m

- h. Put the spark plug cap on the spark plug and connect the spark plug cable to it.

**⚠ WARNING** Use only the recommended spark plugs or equivalent. DO NOT use spark plugs with an incorrect heat range.

Problem	Cause	Corrective action
<ul style="list-style-type: none"> <li>The generator does not start</li> </ul>	<ul style="list-style-type: none"> <li>The two-in-one switch is set to "OFF".</li> </ul>	<ul style="list-style-type: none"> <li>Turn the two-in-one switch to "ON".</li> </ul>
	<ul style="list-style-type: none"> <li>Lack of gasoline.</li> <li>Lack of oil in the engine.</li> <li>No spark in the engine.</li> </ul>	<ul style="list-style-type: none"> <li>Fill the fuel tank following the instructions in this manual.</li> <li>Check the oil level, and if necessary, add oil of the same specifications to the content. This engine is equipped with a low oil level sensor. The engine cannot start unless the oil level is above the prescribed lower limit.</li> <li>Remove the spark plug cap. Clean any dirt around the base of the spark plug and then remove the spark plug. Install the spark plug in the cap. Turn the two-in-one switch to the "ON" position. Connecting the electrode to any ground point on the engine, pull the recoil starter to see if sparks jump across the gap. If there is no spark, replace the spark plug. Reinstall the spark plug and start the engine following the instructions in this manual.</li> <li>Consult customer service if necessary.</li> </ul>
	<ul style="list-style-type: none"> <li>The spark plug is fouled with fuel.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the spark plug and clean the fuel.</li> </ul>
	<ul style="list-style-type: none"> <li>The generator shuts off after running for some time.</li> </ul>	<ul style="list-style-type: none"> <li>Turn the vent knob on the fuel tank cap to the "ON" position. Check the fuel and oil level. Add them if necessary.</li> </ul>
<ul style="list-style-type: none"> <li>The generator has no output</li> </ul>	<ul style="list-style-type: none"> <li>The circuit breaker is tripped</li> </ul>	<ul style="list-style-type: none"> <li>Reset the circuit breakers.</li> </ul>
	<ul style="list-style-type: none"> <li>Inadequate power cords or extensions.</li> </ul>	<ul style="list-style-type: none"> <li>Check the capacities of the cord sets or extensions in the control section; cable size in this manual.</li> <li>Consult customer service if necessary.</li> </ul>

If problems persist despite taking the recommended corrective actions, contact an Authorized TRUPER Service Center.

## Storage

The generator should be started at least once every 2 weeks and allowed to run for at least 20 minutes. Follow the instructions below for long-term storage if the generator will be out of service for 2 months or more.

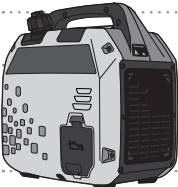
**⚠ WARNING** Fire or explosion. Gasoline is highly flammable and extremely explosive. Empty the fuel tank and close the fuel valve before storing or transporting this generator.

1. Allow the generator to cool completely before storing it.
2. Clean the generator as per the instructions in the Maintenance section.
3. Completely drain all fuel from the tank, fuel hose, and carburetor to prevent gum formation.
4. Close the fuel switch to reduce fuel supply.
5. Remove the outer cover plate. Unscrew the oil dipstick and tilt the entire assembly slightly to pour out the oil.
6. Remove the spark plug and pour approximately 15 ml of oil into the cylinder. Gently pull the starter cord to distribute the oil and lubricate the cylinder. Then, replace the spark plug.
7. Store the unit in a clean, dry area, away from direct sunlight.

## Transportation

To avoid fuel spills during transport or temporary storage, the generator should be secured in an upright position in its normal operating position, with the engine switch OFF. The two-in-one switch should be in the OFF position.

**⚠ WARNING** During transportation: Do not overfill the tank. Do not operate the generator while inside the vehicle. Remove the generator from the vehicle and use it in a well-ventilated area. Avoid a location exposed to direct sunlight when placing the generator in a vehicle. If the generator is left in a closed vehicle for many hours, the high temperature inside the vehicle could cause the fuel to vaporize, potentially leading to an explosion. Do not drive on rough terrain for an extended period with the generator onboard. If you must transport the generator on rough terrain, drain the fuel from the generator beforehand.



In the event of any problem contacting a TRUPER Authorized Service Center, please see our webpage **WWW.TRUPER.COM** to get an updated list, or call our toll-free numbers **800 690-6990** or **800 018-7873** to get information about the nearest Service Center.

**AGUASCALIENTES** **DE TODO PARA LA CONSTRUCCIÓN**  
GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030,  
AGUASCALIENTES, AGS. TEL.: 449 994 0537

**BAJA CALIFORNIA** **SUCURSAL TIJUANA**  
AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL  
FLORIDO II, C.P. 22244, TIJUANA, B.C.  
TEL.: 664 969 5100

**BAJA CALIFORNIA SUR** **FIX FERRETERÍAS**  
FELIPE ÁNGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO  
NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S.  
TEL.: 613 132 1115

**CAMPECHE** **TORNILLERÍA Y FERRETERÍA AAA**  
AV. ÁLVARO OBREGÓN #324, COL. ESPERANZA  
C.P. 24080 CAMPECHE, CAMP. TEL.: 981 815 2808

**CHIAPAS** **FIX FERRETERÍAS**  
AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700,  
TAPACHULA, CHIS. TEL.: 962 118 4083

**CHIHUAHUA** **SUCURSAL CHIHUAHUA**  
AV. SILVESTRE TERRAZAS #128-11, PARQUE INDUSTRIAL  
BAFAR, CARRETERA MÉXICO CUAUHTÉMOC, C.P. 31415,  
CHIHUAHUA, CHIH. TEL.: 614 434 0052

**CIUDAD DE MÉXICO** **FIX FERRETERÍAS**  
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COL. CENTRO, C.P. 06060, CUAUHTÉMOC, CDMX.  
TEL.: 55 5522 5031 / 5522 4861

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CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL  
ORIENTE, C.P. 27278, TORREÓN, COAH.  
TEL.: 871 209 68 23

**COLIMA** **BOMBAS Y MOTORES BYMTESSA DE MANZANILLO**  
BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE  
SEPTIEMBRE, C.P. 28239, MANZANILLO, COL.  
TEL.: 314 532 1986 / 532 8013

**DURANGO** **TORNILLOS ÁGUILA, S.A. DE C.V.**  
MAZURIO #200, COL. LUIS ECHEVERRÍA, DURANGO,  
DGO. TEL.: 618 817 1946 / 618 818 2844

**ESTADO DE MÉXICO** **SUCURSAL CENTRO JILOTEPEC**  
PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL  
JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257  
TEL.: 761 782 9101 EXT. 5728 Y 5102

**GUANAJUATO** **CÍA. FERRETERA NUEVO MUNDO S.A. DE C.V.**  
AV. MÉXICO - JAPÓN #225, CD. INDUSTRIAL, C.P. 38010,  
CELAYA, GTO. TEL.: 461 617 7578 / 79 / 80 / 88

**GUERRERO** **CENTRO DE SERVICIO ECLIPSE**  
CALLE PRINCIPAL MZ1 LT. 1, COL. SANTA FE, C.P. 39010,  
CHILPANCINGO, GRO. TEL.: 747 478 5793

**HIDALGO** **FERREPRECIOS S.A. DE C.V.**  
LIBERTAD ORIENTE #304 LOCAL 30, INTERIOR DE PASAJE  
ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO,  
HGO. TEL.: 775 753 6615 / 775 753 6616

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AV. ADOLFO B. HORN # 6800, COL. SANTA CRUZ DEL  
VALLE, C.P.: 45655, TLAJOMULCO DE ZUNIGA, JAL.  
TEL.: 33 3606 5285 AL 90

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EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA,  
MICH. TEL.: 443 334 6858

**MORELOS** **FIX FERRETERÍAS**  
CAPITÁN ANZURES #95, ESQ. JOSÉ PERDIZ, COL.  
CENTRO, C.P. 62740, CUAUTLA, MOR.  
TEL.: 735 352 8931

**NAVARRIT** **HERRAMIENTAS DE TEPIC**  
MAZATLÁN #117, COL. CENTRO, C.P. 63000, TEPIC, NAY.  
TEL.: 311 258 0540

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CARRETERA LAREDO #500, 1B MONTERREY PARKS,  
COLONIA PUERTA DE ANAHUAC, C.P. 66052, ESCOBEDO,  
NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790

**OAXACA** **FIX FERRETERÍAS**  
AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300,  
TUXTEPEC, OAX. TEL.: 287 106 3092

**PUEBLA** **SUCURSAL PUEBLA**  
AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA,  
C.P. 72710, CUAUHTLACINGO, PUE.  
TEL.: 222 282 8282 / 84 / 85 / 86

**QUERÉTARO** **ARU HERRAMIENTAS S.A. DE C.V.**  
AV. PUERTO DE VERACRUZ #110, COL. RANCHO DE  
ENMEDIO, C.P. 76842, SAN JUAN DEL RÍO, QRO.  
TEL.: 427 268 4544

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C.P. 77710 PLAYA DEL CARMEN, Q.R.  
TEL.: 984 267 3140

**SAN LUIS POTOSÍ** **FIX FERRETERÍAS**  
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SAN LUIS POTOSÍ, S.L.P. TEL.: 444 822 4341

**SINALOA** **SUCURSAL CULIACÁN**  
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MORA, C.P. 80143, CULIACÁN, SIN.  
TEL.: 667 173 9139 / 173 8400

**SONORA** **FIX FERRETERÍAS**  
CALLE 5 DE FEBRERO #517, SUR LT. 25 MZ. 10, COL.  
CENTRO, C.P. 85000, CD. OBREGÓN, SON.  
TEL.: 644 415 2392

**TABASCO** **SUCURSAL VILLAHERMOSA**  
CALLE HELIO LÓTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL,  
2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB.  
TEL.: 993 353 7244

**TAMAULIPAS** **VM ORINGS Y REFACCIONES**  
CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL.  
RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA,  
TAMS. TEL.: 899 926 7552

**TLAXCALA** **SERVICIOS Y HERRAMIENTAS INDUSTRIALES**  
PABLO SIDAR #132, COL. BARRIO DE SAN BARTOLOMÉ,  
C.P. 90970, SAN PABLO DEL MONTE, TLAX.  
TEL.: 222 271 7502

**VERACRUZ** **LA CASA DISTRIBUIDORA TRUPER**  
BLVD. PRIMAVERA, ESQ. HORTENSIA S/N, COL.  
PRIMAVERA C.P. 93308, POZA RICA, VER.  
TEL.: 782 823 8100 / 826 8484

**YUCATÁN** **SUCURSAL MÉRIDA**  
CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY,  
MPIO. UMAN, C.P. 97390, MÉRIDA, YUC.  
TEL.: 999 912 2451

Codes	Items	Brand
103278	GEN-200	TRUPER
103279	GEN-201	

Warranty. Duration: 1 year. Coverage: parts, components, and labor against manufacturing or operational defects, except when used under conditions other than normal, not operated according to the instructions, altered, or repaired by unauthorized personnel not authorized by TRUPER®. To enforce the warranty, present the product, sealed policy, invoice, or receipt, at the establishment where you purchased it or at Corregidora 35, Centro, Cuauhtémoc, CDMX, 06060, where you can also purchase parts, components, consumables, and accessories. It includes transportation expenses for the product resulting from its service network compliance. Tel. 800-018-7873. Made in/Hecho en China. Imported by TRUPER, S.A. de C.V. Parque Industrial 1, Parque Industrial Jilotepec, Jilotepec, Edo. de Méx. C.P. 54257, Tel. 761 782 9100.

Stamp of the business. Delivery date:

