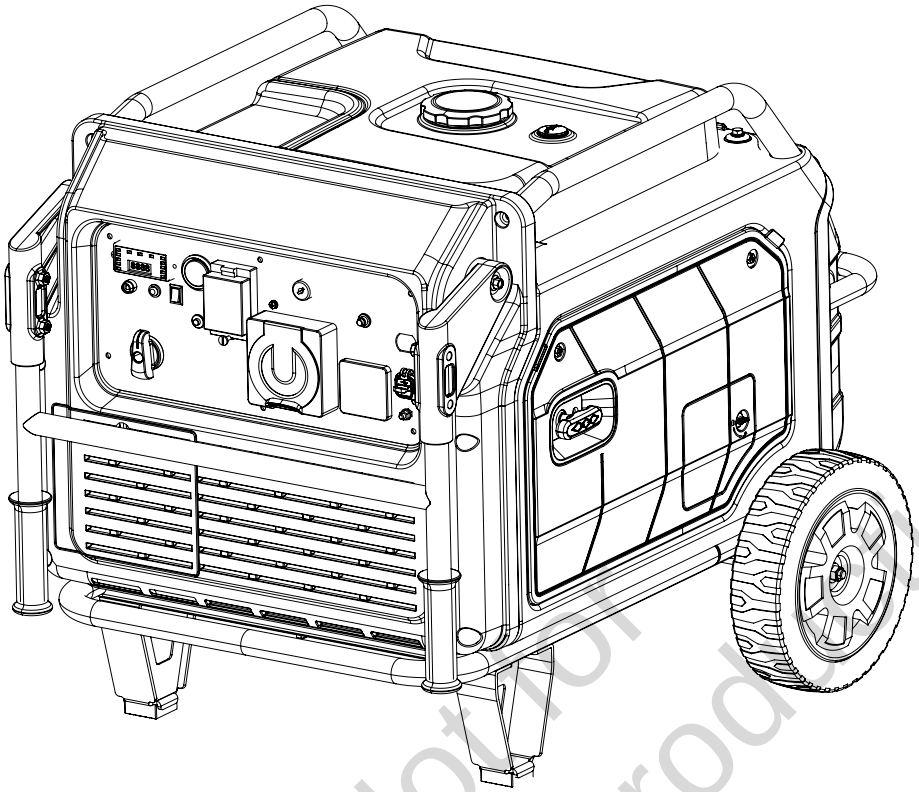
BRIGGS & STRATTON

P7500 Outdoor Portable Generator

Operator's Manual



Model Number: 030863

Manual No. 80137872 Revision A

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Symbols and Meanings

Signal	Meaning
DANGER	Indicates a hazard which, if not avoided, will result in death or serious injury.
WARNING	Indicates a hazard which, if not avoided, could result in death or serious injury.
CAUTION	Indicates a hazard which, if not avoided, could result in minor or moderate injury.
NOTICE	Indicates information considered important, but not hazard-related.

Symbol	Name	Explanation
	Safety Alert Symbol	Indicates a potential personal injury hazard.
	Operator's Manual	Failure to follow warnings, instructions and operator's manual could result in death or serious injury.
	Toxic Fumes	Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it or see it.
	Fire	Fuel and its vapors are extremely flammable which could cause burns or fire resulting in death or serious injury. Engine exhaust could cause fire resulting in death or serious injury.
	Electric Shock	Generator could cause electrical shock resulting in death or serious injury.
	Hot Surface	Muffler could cause burns or resulting in serious injury.
	Button Battery	Remote contains a button battery.

Equipment Description

Read this manual carefully and become familiar with your outdoor generator. Know its applications, its limitations, and any hazards involved. Save these original instructions for future reference.

The outdoor generator is an engine–driven, revolving field, alternating and direct current AC generator. It was designed to supply electrical power for operating compatible electrical lighting, appliances, tools and motor loads. The generator's revolving field is driven by a single-cylinder engine.

To move generator, press button and pull handle out. Press button to push handle back in.

The portable generator can be used to power outdoor items using an extension cord or to restore home power using a transfer switch. A transfer switch is a separate device installed by a licensed electrician that allows the portable generator to be cord connected, using the receptacle, directly into your home's electrical system. Install a manual transfer switch as soon as possible if generator will be used to provide home power restoration.

The generator is not intended to supply systems that are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations.

Every effort has been made to ensure that the information in this manual is bovth accurate and current. However, the manufacturer reserves the right to change, alter or otherwise improve the generator and this documentation at any time without prior notice.

NOTICE If you have questions about intended use, contact an authorized service dealer. This equipment is designed to be used with Briggs & Stratton® authorized parts only.

System Ground

The generator neutral is floating, which means that the AC stator winding is isolated from the grounding fastener and the AC receptacle ground pins. Electrical devices, such as RCD, requiring a grounded neutral may not operate properly from this generator. Earthing of the generator is not required.

Special Requirements

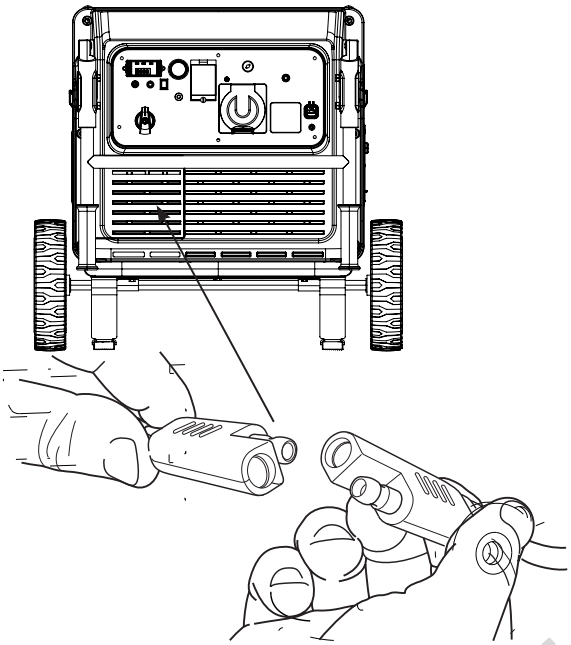
There may be regulations, local codes, or ordinances that apply to the intended use of the generator. Please consult a qualified electrician, electrical inspector, or the local agency having jurisdiction.

This generator is not intended to be used at a construction site.

Connect Battery

You must connect the battery to the generator to enable electric or remote starting. The display panel, LED's and e-choke system are powered by the battery also.

1. Remove screw and panel from in front of the battery.
2. Connect the two pin connector from the battery to the generator.



Pairing Remote Start Fob to the Generator

The remote start fob needs to be paired with the generator to remotely start your generator. To pair the fob with the generator, follow the instructions below:

1. Press and hold the activate switch for 10 seconds and the on/off button light will begin to flash blue.
2. Within 30 seconds, press and hold either button on the remote start fob for 2 seconds. The on/off button light will blink rapidly 3 times signaling the remote start fob has been paired.

NOTICE All remote start fobs can be disconnected by pressing both the on/off button and activate switch on the generator at the same time for 10 seconds.

Battery Disposal

All items must be disposed of in a specified manner to prevent contamination of the environment. Take the batteries to a local recycling and/or disposal centre, certified for Lithium-ion disposal. If the battery cracks or breaks, with or without leaks, do not recharge it and do not use.

Dispose of it and replace with a new battery. DO NOT ATTEMPT TO REPAIR DAMAGED BATTERIES. To avoid injury and risk of fire, explosion, or electric shock, and to avoid damage to the environment:

If the battery cracks or breaks, with or without leaks, do not recharge it and do not use. Dispose of it and replace with a new battery. DO NOT ATTEMPT TO REPAIR DAMAGED

BATTERIES.

To avoid injury and risk of fire, explosion, or electric shock, and to avoid damage to the environment:

1. Cover the battery's terminals with heavy-duty adhesive tape.
2. Do not attempt to remove or destroy any of the battery components.
3. Do not attempt to open the battery or charger.
4. If a leak develops, the released electrolytes are corrosive and toxic. Do not get the
5. solution in the eyes or on skin, and do not swallow it.
6. Do not place these batteries in your regular household trash.
7. Do not incinerate.
8. Do not place them in any waste landfill or municipal solid waste stream.
9. Take them to a certified lithium-ion recycling or disposal centre.

BATTERY RECYCLING INITIATIVE

The Battery Recycling Initiative (ABRI) is a not-for-profit association established in 2008 to promote responsible environmental management of batteries at end of life. More information on battery recycling can be found on their website at www.batteryrecycling.org.au.

SAFE STORAGE

Used batteries are potentially hazardous, so they need to be stored and handled carefully. They need to be kept out of reach of children. Some of the materials inside batteries are toxic, so you need to be careful of damaged or leaking batteries. Batteries must be kept away from direct sunlight or heat. Store the battery at a temperature between 10°C to 35°C & between 40% to 85% relative humidity.

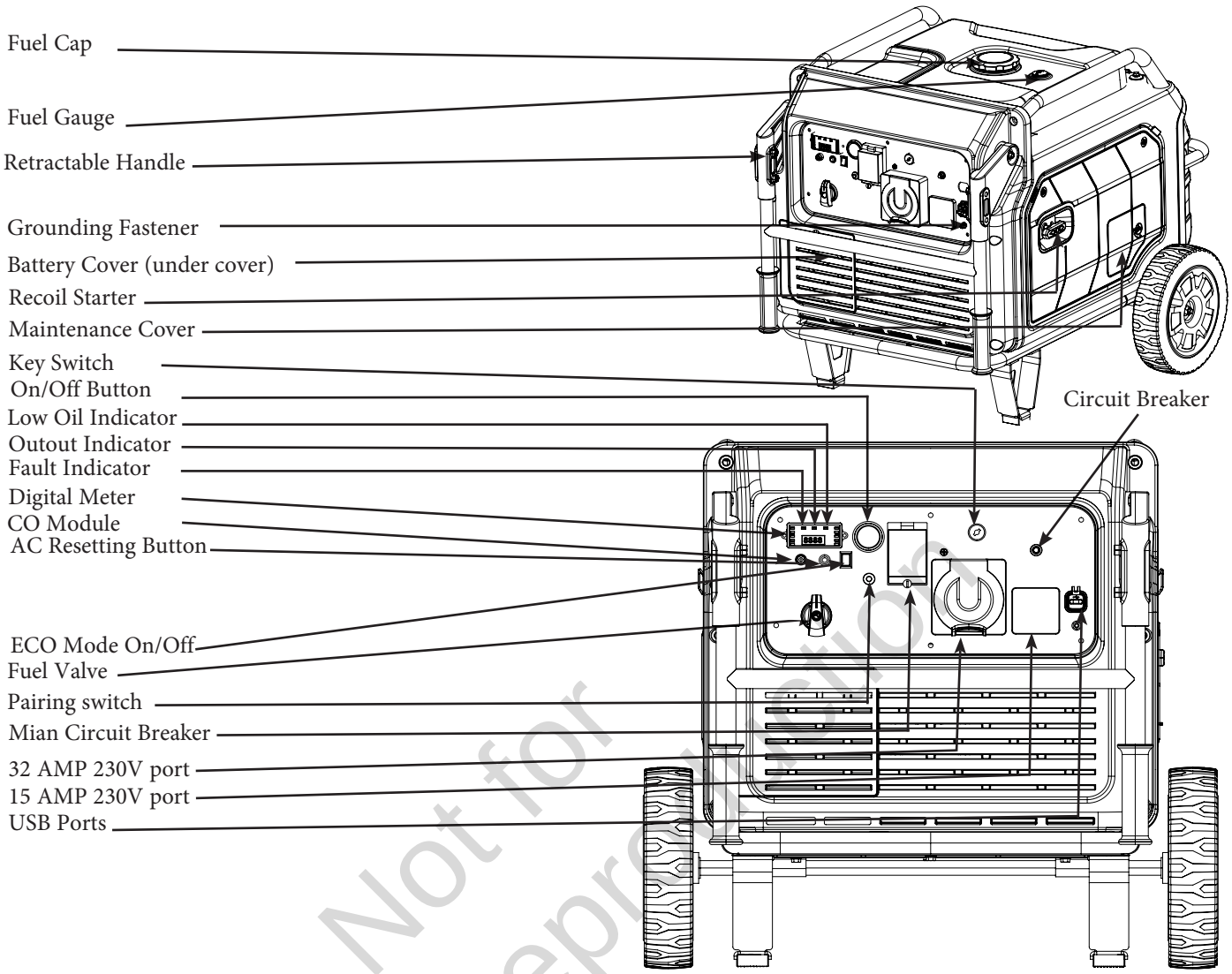
CORRECT DISPOSAL OF THE BATTERY & CHARGER

Waste electrical products should not be disposed of with household waste. Please

recycle where facilities exist. Check with your local authority or retailer for recycling

advice.

Equipment Description



Activate Switch — Push to turn on the generator display.

Air Cleaner — Filters engine intake air.

Battery Cover — Remove to gain access to the battery.

Choke Lever — Used when manually starting a cold engine.

Fuel Cap — Add unleaded fuel here.

Fuel Valve — Used to turn fuel supply on and off to engine.

Grounding Fastener — Consult your local agency having jurisdiction for grounding requirements in your area.

Hour Meter — The LED displays and records how many hours your generator has run (up to 999.9).

Identification Label — Provides model and serial number of generator.

Low Oil Indicator — This unit is equipped with a low oil protection device. Oil must be at proper level for engine to run. If the engine oil drops below a preset level, an oil switch will stop the engine. Check oil level with dipstick.

Maintenance Cover — Remove to gain access to the choke lever, spark plug and air cleaner.

Oil Drain Plug — Drain engine oil here.

Oil Fill Cap/Dipstick — Check and add engine oil here.

Oil Service Cover — Remove to gain access to the oil fill and drain.

On/Off Button — Push and hold for one second to start or stop generator.

Recoil Starter — Used to start the engine manually.

Folding Handle — Lift the handle to move the generator, when in position push the handle down.

Spark Arrester Muffler/Exhaust — Lowers engine noise and is equipped with a spark arrester screen.

Compare the illustrations with your generator to familiarize yourself with the locations of various controls and product warnings.

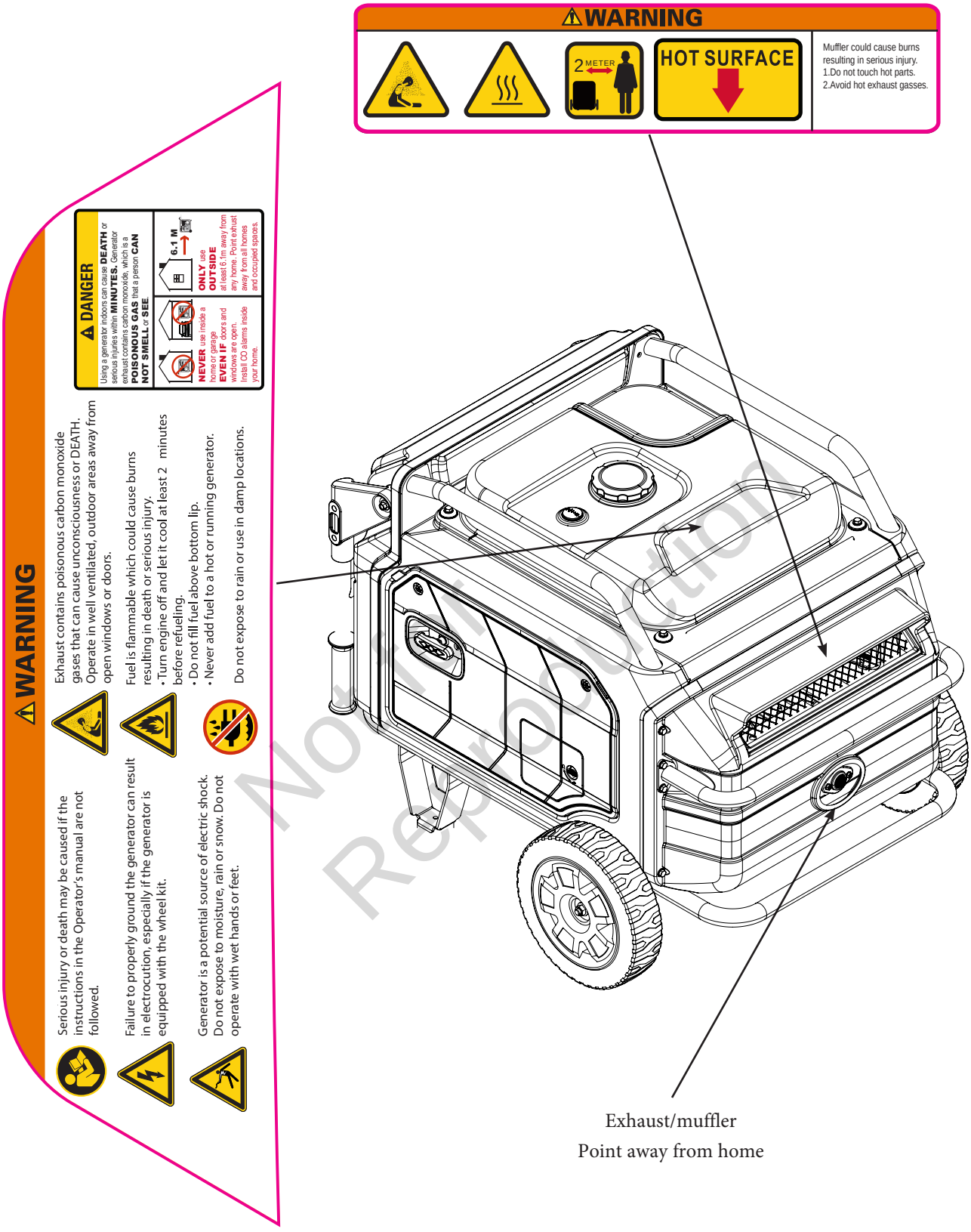
230 Volt AC, 15 Amp Receptacle — May be used to supply electrical power for the operation of 230 Volt AC, 15 Amp, single phase, 50 Hz electrical, lighting, appliance, tool, and motor loads.

230 Volt AC, 32 Amp Receptacle — May be used to supply electrical power for the operation of 230 Volt AC, 32 Amp, single phase, 50 Hz electrical, lighting, appliance, tool, and motor loads.

Carbon Monoxide (CO) Shutdown Indicator Light — Indicates the engine shutdown due to carbon monoxide accumulation around the generator or a CO shutdown system fault occurred.

Circuit Breaker — A “push to reset” circuit breaker is provided to protect the generator against electrical overload.

USB Ports — Use ports to recharge most USB powered devices.



Operation

Step 1: Safe Location

Before starting the portable generator there are two equally important safety concerns regarding carbon monoxide poisoning and fire that must be addressed.

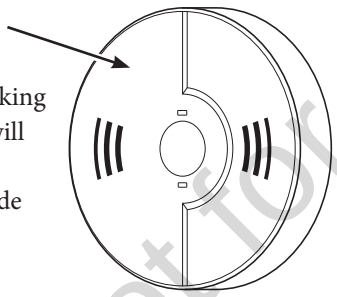
Operation Location to Reduce the Risk of Carbon Monoxide Poisoning

The engine exhaust of all fossil fuel burning equipment, such as a portable generator, contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

By law it is required in many states to have a carbon monoxide alarm in operating condition in your home. A carbon monoxide alarm is an electronic device that detects hazardous levels of carbon monoxide. When there is a build up of carbon monoxide, the alarm will alert the occupants by flashing visual indicator light and alarm. Smoke alarms cannot detect carbon monoxide gas.

Carbon Monoxide Alarm(s)

Install carbon monoxide alarm inside your home. Without working carbon monoxide alarms, you will not realize you are getting sick and dying from carbon monoxide poisoning.



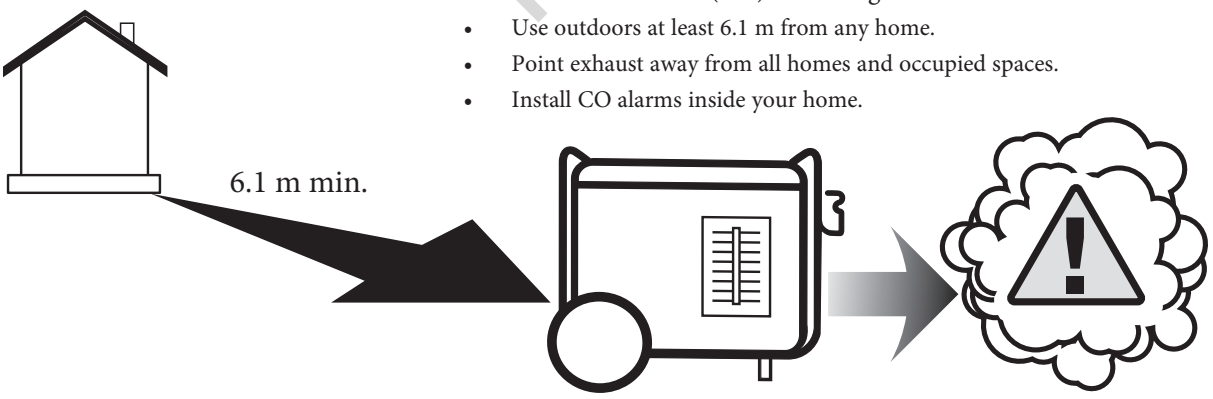
WARNING! Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

- Operate portable generator only outdoors, at least 6.1 m from occupied spaces with exhaust pointed away to reduce the risk of carbon monoxide accumulating.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- Do not run portable generator inside homes, garages, basements, crawlspaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.

If you start to feel sick, dizzy, weak, or your homes carbon monoxide alarm sounds while using this product, get to fresh air right away. Call emergency services. You may have carbon monoxide poisoning.

Prevent Carbon Monoxide (CO) Poisoning

- Use outdoors at least 6.1 m from any home.
- Point exhaust away from all homes and occupied spaces.
- Install CO alarms inside your home.

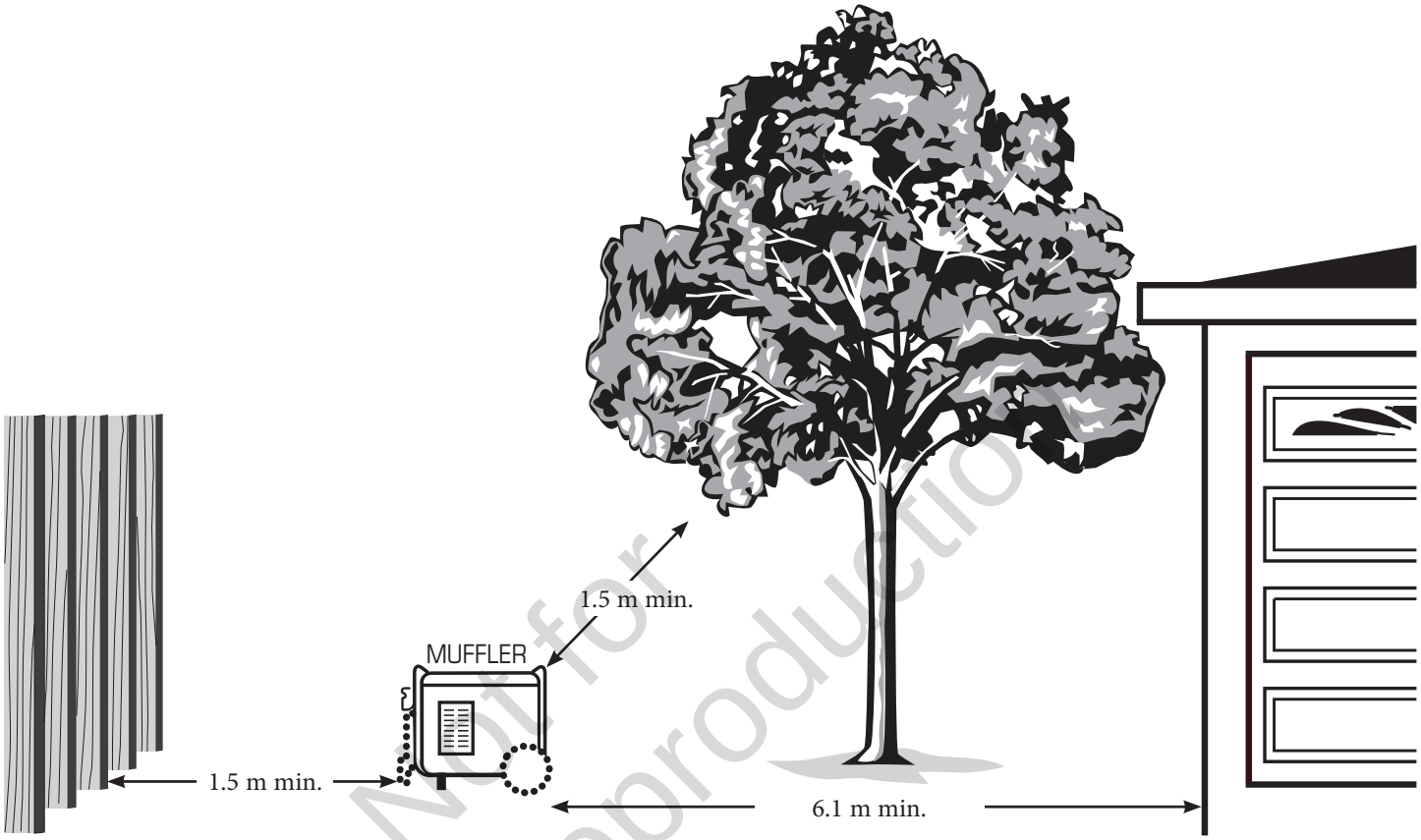


To better educate yourself about all carbon monoxide risks, go to www.takeyourgeneratoroutside.com.

Operation Location to Reduce the Risk of Fire

WARNING! Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.

- Portable generator must be at least 1.5 m from any structure, overhang, trees, shrubs, or vegetation over 30.5 cm in height.
- Do not place portable generator under a deck or other type of structure that may confine airflow. Smoke alarm(s) must be installed and maintained indoors according to the manufacturer's instructions/recommendations.
- Carbon monoxide alarms cannot detect smoke.
- Do not place portable generator in manner other than shown.



Step 2: Oil and Fuel

1. Move generator outdoors to a flat, level surface.
2. Turn dial and open cover over oil fill area.
3. Clean area around oil fill, remove oil fill cap/dipstick and wipe with clean cloth. Replace dipstick. Remove and check oil level.

NOTICE Do not screw in dipstick when checking oil level.

4. Verify oil is at full mark on dipstick. Replace and tighten oil fill cap/dipstick.
5. If needed, see Maintenance for instructions to add oil.
6. Replace cover over oil fill area.

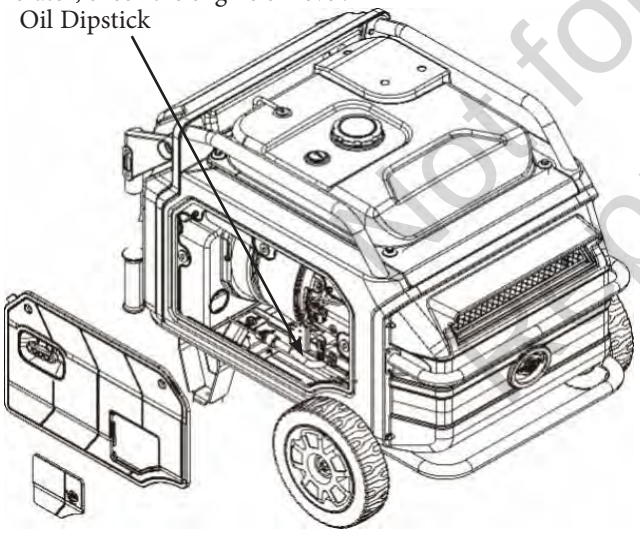
Note:

Recomended oil: SAE 15W-40

Oil Capacity: 1.1L

Low Oil Indicator: yellow LED

The low oil indicator system is designed to prevent engine damage caused by not enough engine oil. If engine oil level drops below a preset level, the yellow LED low oil indicator light comes on and an oil level switch will stop the engine. If engine stops or the yellow LED low oil indicator light comes on when you try to start the generator, check the engine oil level.



Fuel must meet these requirements:

- Clean, fresh, unleaded fuel with a minimum of 91 RON (87 octane/87 AKI).
- Gasoline with an ethanol content up to 10% is acceptable.

E10 E15

NOTICE Do not mix oil in fuel or modify engine to run on alternate fuels. Use of unapproved fuels could damage engine and will not be covered under warranty.

See High Altitude for 1524 m and above.

WARNING! Fuel and its vapors are extremely flammable which could cause burns or fire resulting in death or serious injury.

- Do not refuel during operation.
- Do not smoke during refueling.
- Turn engine off and let it cool at least 2 minutes before removing fuel cap.
- Fill fuel tank outdoors. Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources. Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.

7. Slowly remove fuel cap to relieve pressure in tank.
8. Slowly add unleaded fuel to red max fill indicator in fuel tank. Be careful not to fill above the indicator. This allows adequate space for fuel expansion.
9. Install fuel cap and let any spilled fuel evaporate before starting engine.

High Altitude

At altitudes over 1524 m, a minimum 89 RON (85 octane/85 AKI) fuel is acceptable. To remain emissions compliant, high altitude adjustment is required. Operation without this adjustment will cause decreased performance, increased fuel consumption, and increased emissions.

See an authorized Briggs & Stratton dealer for high altitude adjustment information. Operation of the engine at altitudes below 762 m with the high altitude kit is not recommended.

Transporting

When transporting equipment, turn fuel valve to off

( ) position. Do not tip engine or equipment at an angle which causes fuel to spill.

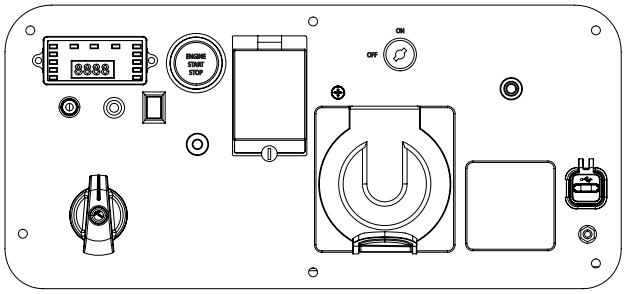
Step 3: Generator Start Up

Turn off all electrical loads connected to the generator. Use the following start instructions:

1. Make sure unit is outdoors on a level surface.

NOTICE Failure to operate the unit on a level surface may cause the unit to shut down.

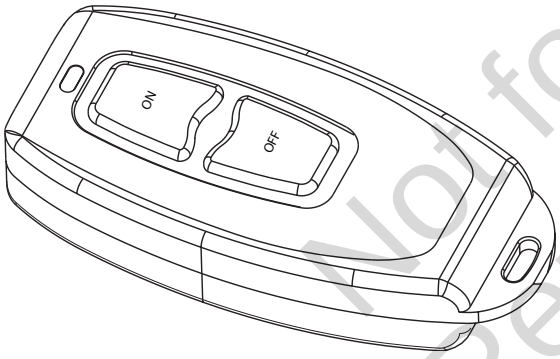
2. Turn fuel valve clockwise to the on (⛽) position.
3. Turn the key to the on position
4. On the face pannel press the (START) button.



Wireless Remote Starting:

Repeat the generator start-up procidure from 1 to 3

4. Press and hold onbutton for one second on remote start fob to activate generator.



Manual Starting:

For manual starting; grasp recoil and pull slowly until slight resistance is felt. Then pull rapidly to start engine. The e-choke may still engage with a low battery.

NOTICE If generator continues not to start, your battery may be discharged too low and you will need to manually choke the engine. Remove the maintenance cover and position the choke lever to the choke position (to the right as shown). The e-choke will automatically turn the choke off once the generator starts. Reinstall maintenance cover.b

Step 4: Connecting Electrical Loads

To Restore Home Power Using a Transfer Switch

Connections to your home's electrical system must use a manual transfer switch installed by a qualified electrician. The connection must isolate the generator power from the utility power and comply with all applicable laws and electrical codes.

To Restore Power Using Extension Cords

Generator may only be loaded up to rated power under the rated conditions as shown on unit data tag. Reduce load when using generator outside of rated conditions.

Use only high quality, well-insulated extension cables in accordance with IEC 60245-4 with the generator's 230 Volt AC outlets. Inspect extension cables before each use. Check that all extension cables are suitably rated and are not damaged. When using extension cords under 40° C, the total length of cords for a cross section of 1.5 mm² should not exceed 50 m or for a cross section of 2.5 mm² should not exceed 80 m.

WARNING! Damaged or overloaded extension cords could overheat, arc, and burn resulting in death or serious injury.

- Electrical equipment, including cables and plug connections, should not be defective.

1. Install carbon monoxide alarm(s).

2. When operating generator with extension cords, make sure it is located in an open, outdoor area, at least 6.1 m from occupied spaces with exhaust pointed away.

3. Extension cords running directly into home, powering indoor items IS NOT RECOMMENDED.

WARNING! Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

- Extension cords running directly into the home increase your risk of carbon monoxide poisoning through openings.
- If an extension cord running directly into the home is used to power indoor items, the operator recognizes that this increases the risk of CO poisoning to people inside the home and assumes that risk.

4. Install a manual transfer switch as soon as possible if generator will be used to provide home power restoration

DC USB Ports

This device features two USB ports located on the front panel. The maximum combined current available for both ports is 2.1A at 5V. The upper port provides up to 1A at 5V, while the lower port offers the full 2.1A at 5V.

These ports support charging for most USB-powered devices using a compatible USB charging cable (not included).

Notice:

1. For optimal charging performance, use the bottom USB port.
2. Designed for charging Information Technology Equipment (ITE) only.

Electrical ports

230 Volt AC, 15 Amp Receptacles:

These receptacles are protected against overload by an internal overload system.Use receptacles to operate 230 Volt AC, single–phase, 50 Hz electrical loads requiring up to 6,800 watts (6.8 kW) at 15 Amps of current. Use cord sets that are rated for 230 Volt AC loads at 15 Amps (or greater).

230 Volt AC, 32 Amp Receptacles:

These receptacles are protected against overload by an internal overload system. Use receptacles to operate 230 Volt AC, single–phase, 50 Hz electrical loads requiring up to 6,800 watts (6.8 kW) at 32 Amps of current. Use cord sets that are rated for 230 Volt AC loads at 32Amps (or greater).

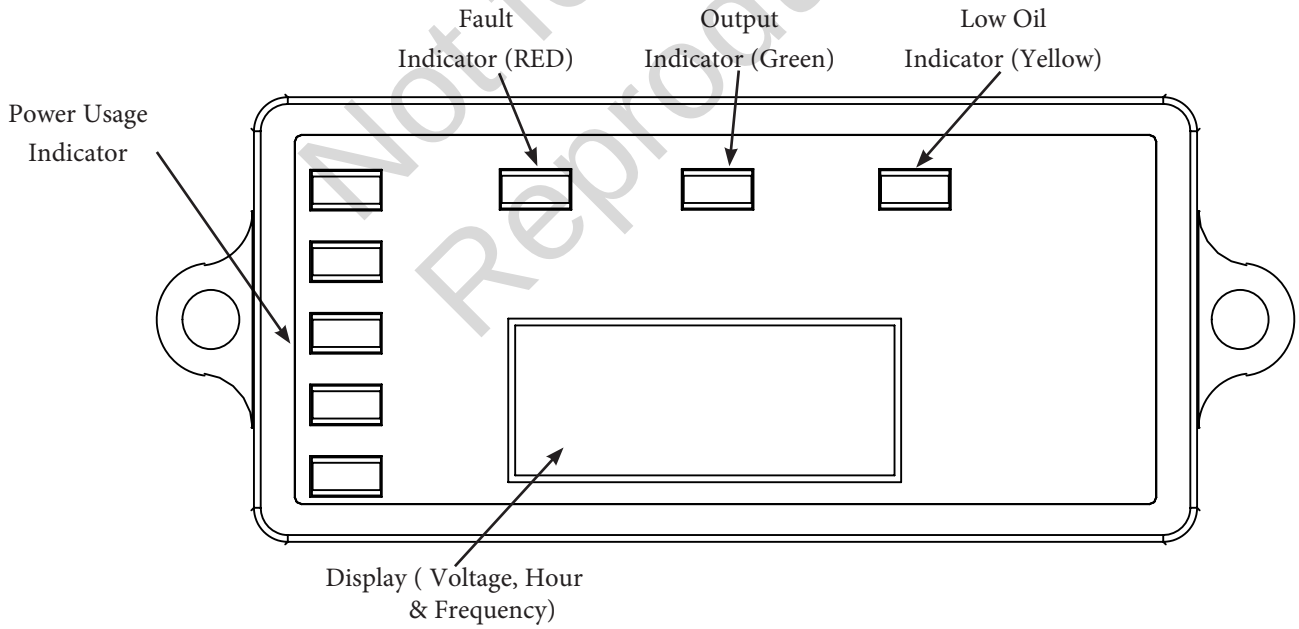
Power Use:

The power use monitor indicates percentage of total generator load using LED's. The first green LED indicates generator is operating normally or producing more than 5% load. The thrid green LED comes on after 50% load is reached. The last green ED comes on after 100% load is reached.

Output Indicator **OK!**

Generator Status Indicators and Their Meanings

1. Green lamp on – The generator is operating normally and producing output.
2. Green lamp on, red lamp flashing – The generator is overloaded but continues to produce output.
3. Green lamp off, red lamp flashes once, then once again after 3 seconds – The output voltage is too low, and the generator is not producing output.
4. Green lamp off, red lamp flashes twice, then twice again after 3 seconds – The engine speed is too low, preventing the generator from producing output.
5. Green lamp off, red lamp flashes three times, then three times again after 3 seconds – The inverter temperature is excessively high, and the generator is not producing output.
6. Green lamp off, red lamp flashes five times, then five times again after 3 seconds – The front bus voltage is too high, resulting in no generator output.
7. Green lamp off, red lamp flashes six times, then six times again after 3 seconds – The output load exceeds capacity, and the generator is not producing output.



Generator Capacity

To make sure your generator can supply enough running watts and starting watts for the items you will power at the same time, follow these three simple steps:

1. Select the items you will power at the same time. See following list for typical wattages.

Tool or Appliance	Running Watts*	Starting Watts**
Light Bulb - 75 Watt	75	-
Refrigerator/Freezer	550	1350
Window AC - 10,000 BTU	1000	2100
Microwave Oven - 1000 Watt	1000	-
Plasma Television - 50”	500	-
Laptop	250	-

* Typical wattages listed are approximate only. Check tool or appliance for actual wattage.

** The momentary electrical current the generator can provide to start electric motors, per Briggs & Stratton standard 628K. It does not represent the power required to continuously run electrical loads. It is the maximum current that can momentarily be supplied when starting a motor, multiplied by the generator’s rated voltage.

2. Total the running watts. This is the amount of power your generator must produce to keep your items running. See following example:

Example

Tool or Appliance	Running Watts	Starting Watts
Window AC - 10000 BTU	1000	2100
Refrigerator/Freezer	550	1350
Plasma Television	500	—
Light (75 Watts)	75	—
	2125 Total Running Watts	2100 Highest Starting Watts

Total running watts = 2125

Highest starting watts = 2100

Total generator watts required = 4225

3. Estimate the starting watts you will need. Because not all motors start at the same time, total starting wattage can be estimated by adding only the item with the highest additional starting watts requirements to the total running watts from step 2.

Power Management

To manage generator power, sequentially add loads as follows:

1. With nothing connected to generator, start the engine outdoors.
2. Plug in and turn on the first load, preferably the largest load you have.
3. Permit the generator output to stabilize (engine runs smoothly and attached device operates properly).
4. Plug in and turn on the next load.
5. Again, permit the generator to stabilize.
6. Repeat steps 4 and 5 for each additional load.

Never add more loads than the generator capacity. Take special care to consider starting watts in generator capacity.

Carbon Monoxide (CO) Shutdown System

Automatically shuts down the engine when harmful levels of carbon monoxide accumulate around the generator or a CO shutdown system fault occurs. After shutdown, the indicator light will blink.

The CO shutdown system DOES NOT replace carbon monoxide alarms. Install battery-powered carbon monoxide alarm(s) in your home. Do not run generator in enclosed areas.

Color/Pattern	Description
RED •• •• 	Carbon monoxide accumulated around generator. Move generator to an open, outdoor area 6.1 m from occupied spaces with exhaust pointed away. Automatic shutoff is an indication generator was improperly located. Air out premises (e.g. open windows and doors) before reoccupying. If you start to feel sick, dizzy, weak, or your homes carbon monoxide alarm sounds while using this product, get to fresh air right away. Call emergency services. You may have carbon monoxide poisoning.

Step 5: Generator Shutdown

1. Turn off and unplug all electrical loads from generator panel receptacles. Never stop engine with electrical devices plugged in and turned on.
2. Let engine run at no-load for one minute to stabilize internal temperatures of engine and generator.
3. Press the on/off button on the generator or either button on the remote start fob.
4. Swtich the key to the off position
5. Turn the Fuel valve to the OFF position.

Note:

Before lifting or lowering the handle, turn off the generator and disconnect all plugs from the sockets to prevent damage to the plugs and reduce the risk of electric shock

Maintenance

Maintenance Schedule

Follow the hourly or calendar intervals, whichever occurs first. More frequent service is required when operating in adverse conditions noted below.

First 20 Hours
• Change engine oil
Every 8 Hours or Daily
• Clean debris
• Check engine oil level
Every 50 Hours or 3 months
• Clean engine air cleaner[1,]
Every 100 Hours or 6 months
• Change engine oil[1]
• Service spark plug
• Inspect muffler and spark arrester[1, 2]
• Check/Adjust valve clearance[2]
• Clean fuel tank and filter[2]
Every 250 Hours
• Clean combustion chamber[1, 2]

[1] Service more often under dirty or dusty conditions.

[2] See any authorized dealer for service.

General Recommendations

Regular maintenance will improve the performance and extend the life of the generator. See any Briggs & Stratton Authorized Service Dealer for maintenance and service.

The generator's warranty does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the generator as instructed in this manual.

All service and adjustments should be made at least once each season. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer. Follow requirements in Maintenance Schedule.

Emissions Control

Maintenance, replacement, or repair of the emissions control devices and systems may be performed by any non-road engine repair establishment or individual. However, to obtain "no charge" emissions control service, the work must be performed by a factory authorized dealer. See Emissions Warranty.

Cleaning

Daily or before use, look around and underneath the generator for signs of oil or fuel leaks. Clean any accumulated debris. Keep area around muffler free from any debris.

- Use a soft bristle brush to loosen caked on dirt or oil.
- Use a damp cloth to wipe exterior surfaces clean.

NOTICE Improper treatment of generator could damage it and shorten its life. Do not expose generator to excessive moisture, dust, dirt, or corrosive vapors. Do not insert any objects through cooling slots.

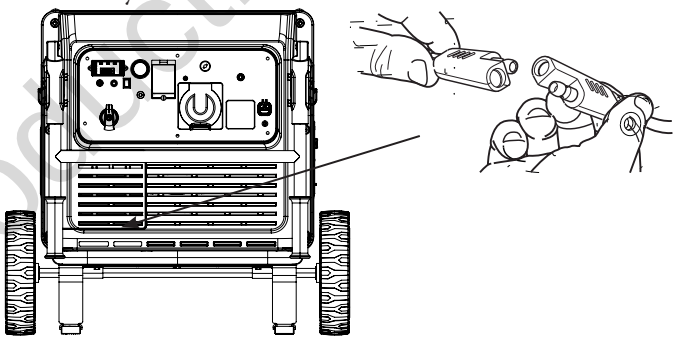
Battery Maintenance

The generator is equipped with an automatic battery charging circuit that charges the battery while the engine is running. If the generator isn't used frequently, the battery should be connected to a trickle charger or battery maintainer (not included) to keep it properly charged.

1. Remove panel from in front of the battery.
2. Disconnect the two pin connector from the battery to the generator.

NOTICE Do not exceed 1.5 Amp charging rate.

3. Follow the instructions included with the trickle charger or battery maintainer.



WARNING! THIS PRODUCT CONTAINS A BUTTON BATTERY

If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours. Keep batteries out of reach of children. If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

Remote Start FOB Batteries

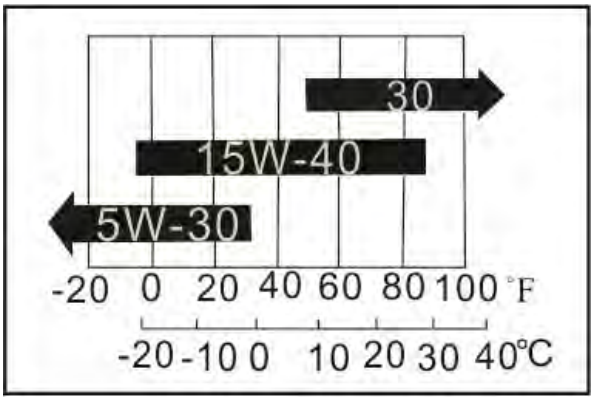
Follow the instructions below if you need to replace the batteries in the remote start fob:

1. Loosen and remove screws from cover, then remove cover.
2. Remove the discharged batteries and insert two new CR2016 lithium batteries with the "+" terminal facing up.
3. Reinstall the cover and screws and tighten.

Engine Maintenance

Oil Recommendations

We recommend the use of Briggs & Stratton Warranty Certified oils for best performance. Other high-quality detergent oils are acceptable if classified for service SF or higher. Do not use special additives.



Outdoor temperatures determine the proper oil viscosity for the engine. Use the chart to select the best viscosity for the outdoor temperature range expected.

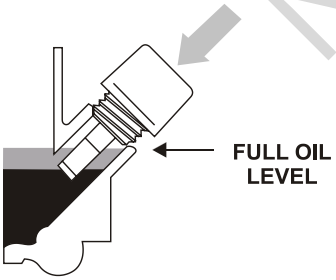
Checking/Adding Engine Oil

Oil level should be checked prior to each use or at least every 8 hours of operation. Keep oil level maintained.

1. Make sure generator is on a level surface.
2. Remove cover over the oil fill area.
3. Clean area around oil fill, remove dipsitck and wipe with clean cloth. Replace dipstick. Remove and check oil level.

NOTICE Do not screw in dipstick when checking oil level.

4. Verify oil is at full mark on dipstick.



5. If needed, top up as required with 15W-40.
6. Replace and tighten dipstick.

NOTICE Do not attempt to crank or start engine before it has been properly serviced with recommended oil. This could result in an engine failure.

7. Replace cover over oil fill area.

⚠ CAUTION Avoid prolonged or repeated skin contact with used motor oil. Used motor oil has been shown to cause skin cancer in certain laboratory animals. Thoroughly wash exposed areas with soap and water.

KEEP OUT OF REACH OF CHILDREN. DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO COLLECTION CENTERS.

Changing Engine Oil

If you are using your generator under extremely dirty or dusty conditions, or in extremely hot weather, change the oil more often.

Change the oil while the engine is still warm from running, as follows:

1. Make sure unit is on a level surface.
2. Remove cover over the oil fill area.
3. Remove oil drain plug and drain oil completely into a suitable container.
4. Reinstall oil drain plug and tighten securely. Remove dipstick.
5. Slowly pour recommended oil (about 1.1l) into oil fill opening. Pause to permit oil to settle. Fill to Full mark on dipstick.
6. Wipe dipstick clean each time oil level is checked. Do not overfill.
7. Reinstall dipstick. Tighten cap securely.
8. Wipe up any spilled oil.
9. Replace cover over oil fill area.

⚠ CAUTION To safeguard the environment, please ensure the proper disposal of waste oil. We strongly recommend containing the waste oil in a sealed container and delivering it to a local service station or an authorized waste oil recycling center. Please remember: waste oil must not be disposed of in general garbage, on the ground, or in any open drainage systems.

Service Air Cleaner

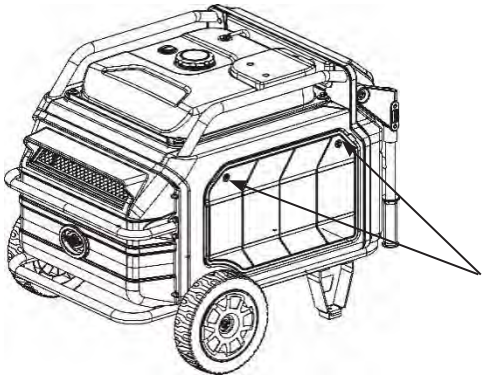
WARNING! Fuel and its vapors are extremely flammable which could cause burns or fire resulting in death or serious injury.

- Do not start and run engine with air filter removed.

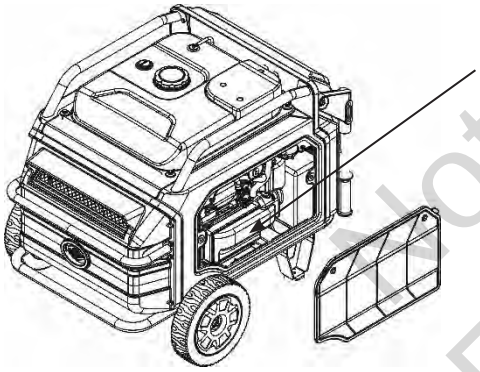
Your engine will not run properly and may be damaged if you run it with a dirty air cleaner. Service more often if operating under dirty or dusty conditions.

To service the air cleaner, follow these steps:

1. Loosen the two maintenance cover screws and remove the maintenance cover.



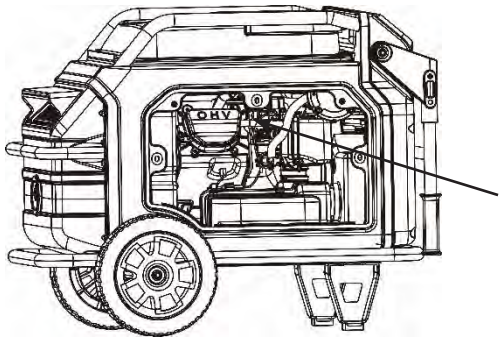
2. Remove three air cleaner cover screws and slide air cleaner assembly out.



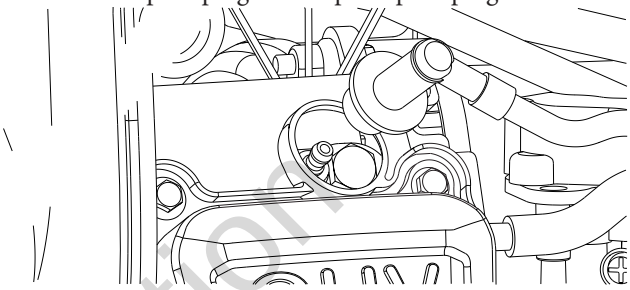
3. Carefully remove foam air cleaner from the assembly.
4. Carefully remove breather filter from the base by pulling it out towards you.
5. Wash foam air cleaner and breather filter in liquid detergent and water only. Squeeze dry in a clean cloth.
6. SATURATE foam air cleaner in clean engine oil and squeeze in a clean cloth to remove excess oil.
7. Reinstall clean or new foam air cleaner inside assembly.
8. Reinstall clean or new breather filter inside base.
9. Slide air cleaner assembly into base and tighten screws.
10. Reinstall the maintenance cover and hand tighten the cover screws.

Service Spark Plug

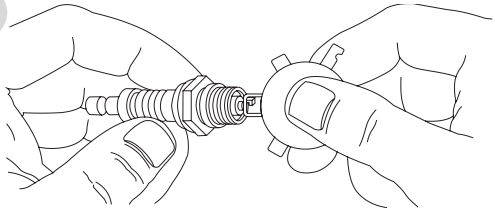
Changing the spark plug will help your engine to start easier and run better.



1. Loosen the two maintenance cover screws and remove the maintenance cover.
2. Clean area around spark plug and remove spark plug boot.
3. Remove spark plug and inspect spark plug.



4. Replace spark plug if electrodes are pitted, burned or porcelain is cracked. Use the recommended replacement spark plug.
5. Check electrode gap with wire feeler gauge and reset spark plug gap to recommended gap if necessary (see Specifications).



6. Install spark plug and tighten firmly. Reinstall spark plug boot.
7. Reinstall maintenance cover and hand tighten screws.

⚠ CAUTION The spark plug must be properly and securely tightened to ensure optimal engine performance and prevent potential damage. Improper tightening may lead to engine malfunction. Recommended torque specification: 22 ± 2 N·m.

Important: Using an incorrect spark plug model or heat range can adversely affect engine performance and may cause damage

For best results, use the manufacturer-recommended spark plug

Inspect Spark Arrester

Inspect spark arrester for damage or carbon blockage. If damage is found or cleaning is needed, see a Briggs & Stratton Authorized Service Dealer.

Storage

If storing the unit for more than 30 days, use the following guidelines to prepare it for storage.

Long Term Storage Instructions

1. Clean the generator as outlined in Cleaning.
2. Change engine oil while engine is still warm, drain oil from crankcase. Refill with recommended grade. See Changing Engine Oil.
3. Treat or drain fuel from generator as fuel can become stale when stored over 30 days.

Each time you fill the container with fuel, add fuel stabiliser to the fuel as specified by the manufacturer's instructions. This keeps fuel fresh and decreases fuel-related problems or contamination in the fuel system.

It is not necessary to drain fuel from the engine when fuel stabiliser is added as instructed. Before storage, turn the engine ON for 2 minutes to move the fuel and stabilizer through the fuel system.

If fuel in the engine has not been treated with fuel stabiliser, it must be drained into an approved container. Then run the engine until it stops from lack of fuel.

WARNING! Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.

- When storing fuel or equipment with fuel in tank, store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have pilot light or other ignition source because they could ignite fuel vapors.
- When draining fuel, turn generator engine off and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank. Drain fuel tank outdoors. Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.

4. Turn fuel valve to the off (⊘) position.
5. Charge battery as outlined in Battery Maintenance.
6. Store generator in clean, dry area and cover with a suitable protective cover that does not retain moisture.

WARNING! Storage covers could cause a fire resulting in death or serious injury.

- Do not place a storage cover over a hot or running generator. Let equipment cool for a sufficient time before placing the cover on the equipment.

Problem	Cause	Correction
Engine is running, but no AC output is available.	1. One of the circuit breakers is open. 2. Poor connection or defective cord set. 3. Connected device is bad. 4. Red LED light is steady. Generator is overloaded or overheated.	1. Reset circuit breaker. 2. Check and repair. 3. Connect another device that is in good condition. 4. See Generator Capacity. Press AC RESET button on control panel.
Engine runs well at no-load but "bogs down" when loads are connected.	1. Generator is overloaded.	1. See Generator Capacity.
Engine will not start; starts and runs rough or shuts down when running.	1. Fuel valve is in off (⊘) position. 2. Low oil indicator light comes on. Low oil level. 3. Dirty air cleaner. 4. Out of fuel. 5. Spark plug wire not connected to spark plug. 6. Flooded with fuel. 7. Battery not connected or discharged.	1. Turn fuel valve to on (⛽) position. 2. Fill crankcase to proper level or place generator on level surface. 3. Clean or replace air cleaner. 4. Fill fuel tank. 5. Connect wire to spark plug. 6. Wait 5 minutes and re-crank engine. 7. Connect or charge battery.
Engine shuts down and CO shutdown system LED blinks red (•• ••).	1. Generator improperly located.	1. Move generator to an open, outdoor area. Air out premises (e.g. open windows and doors) before reoccupying. See Carbon Monoxide (CO) Shutdown System.
For all other issues, see a Briggs & Stratton authorized dealer.		

Specifications

Rate Wattage (W)..... 6,800
Starting Wattage (W)..... 7,500
Rated Voltage (V)..... 230
Frequency (Hz)..... 50
Engine Displacement (CC)..... 420
Engine Oil Capacity (L)..... 1.1
Engine Oil Type..... 15W-40
Fuel Tank Capacity (L)..... 20.2
Spark Plug type..... F6RTC/F7RTC/BPR6ES
Spark Plug Gap (MM).....0.7~0.8
Net Weight (KG)..... 92
Power Factor..... 1
Noise at 3/4 load (dB)..... 65~70
Starting mode..... Electric/Recoil

* Generator rated in accordance with CSA (Canadian Standards Association) standard C22.2 No. 100-14, Motors and Generators.

**Per Briggs & Stratton 628K.

§ Measured sound values in accordance to AS/NZS 3010:2017, Electrical Installations - Generating Sets

BRIGGS & STRATTON PRODUCTS WARRANTY POLICY

Limited Warranty

Briggs & Stratton warrants that, during the warranty period specified below, it will repair or replace, free of charge, any part that is defective in material or workmanship or both. Transportation charges on product submitted for repair or replacement under this warranty must be borne by purchaser. This warranty is effective for and is subject to the time periods and conditions stated below. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at www.briggsandstratton.com. The purchaser must contact the Authorized Service Dealer, and then make the product available to the Authorized Service Dealer for inspection and testing.

There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to the warranty period listed below, or to the extent permitted by law. Liability for incidental or consequential damages are excluded to the extent exclusion is permitted by law. Some states or countries do not allow limitations on how long an implied warranty lasts, and some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.**

WARRANTY PERIOD

Consumer Use	Commercial Use
36 months	12 months

Battery (if equipped) 3 months consumer use, none commercial use.

** In Australia - Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at BRIGGSandSTRATTON.COM, or by calling 1800 356 632, or by emailing or writing to salesenquiries@briggsandstratton.com.au, Briggs & Stratton Australia Pty Ltd, 3 Imperata Close, Kemps Creek, NSW, Australia, 2178.

The warranty period begins on the date of purchase by the first retail or commercial consumer. “Consumer use” means personal residential household use by a retail consumer. “Commercial use” means all other uses, including use for commercial, income producing or rental purposes. Once a product has experienced commercial use, it shall thereafter be considered as a commercial use product for purposes of this warranty.

Save your proof of purchase receipt. If you do not provide proof of the initial purchase date at the time warranty service is requested, the manufacturing date of the product will be used to determine the warranty period. Product registration is not required to obtain warranty service on Briggs & Stratton products.

ABOUT YOUR WARRANTY

Warranty service is available only through Briggs & Stratton Authorized Service Dealers. Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. This warranty covers only defects in materials or workmanship. It does not cover damage caused by improper use or abuse, improper maintenance or repair, normal wear and tear, or stale or unapproved fuel.

Improper Use and Abuse - The proper, intended use of this product is described in the Operator’s Manual. Using the product in a way not described in the Operator’s Manual or using the product after it has been damaged will not be covered under this warranty. Warranty coverage will also not be provided if the serial number on the product has been removed or the product has been altered or modified in any way, or if the product has evidence of abuse such as impact damage or water/chemical corrosion damage.

Improper Maintenance or Repair - This product must be maintained according to the procedures and schedules provided in the Operator’s Manual, and serviced or repaired using genuine Briggs & Stratton parts or equivalent. Damage caused by lack of maintenance or use of non-original parts is not covered by warranty.

Normal Wear and Tear - Like most mechanical devices, your unit is subject to wear even when properly maintained. This warranty does not cover repairs when normal use has exhausted the life of a part or the equipment. Maintenance and wear items such as filters, belts, cutting blades, and brake pads (except engine brake pads) are not covered by warranty due to wear characteristics alone, unless the cause is due to defects in material or workmanship.

Stale or Unapproved Fuel - In order to function correctly, this product requires fresh fuel that conforms to the criteria specified in the Operator’s Manual. Engine or equipment damage caused by stale fuel or the use of unapproved fuels (such as E15 or E85 ethanol blends) is not covered by warranty.

Other Exclusions - This warranty excludes damage due to accident, abuse, modifications, alterations, improper servicing, freezing or chemical deterioration. Attachments or accessories that were not originally packaged with the product are also excluded. There is no warranty coverage on equipment used for primary power in place of utility power or on equipment used in life support applications. This warranty does not include used, reconditioned, second-hand, or demonstration equipment or engines. This warranty also excludes failures due to acts of God and other force majeure events beyond the manufacturer’s control.

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