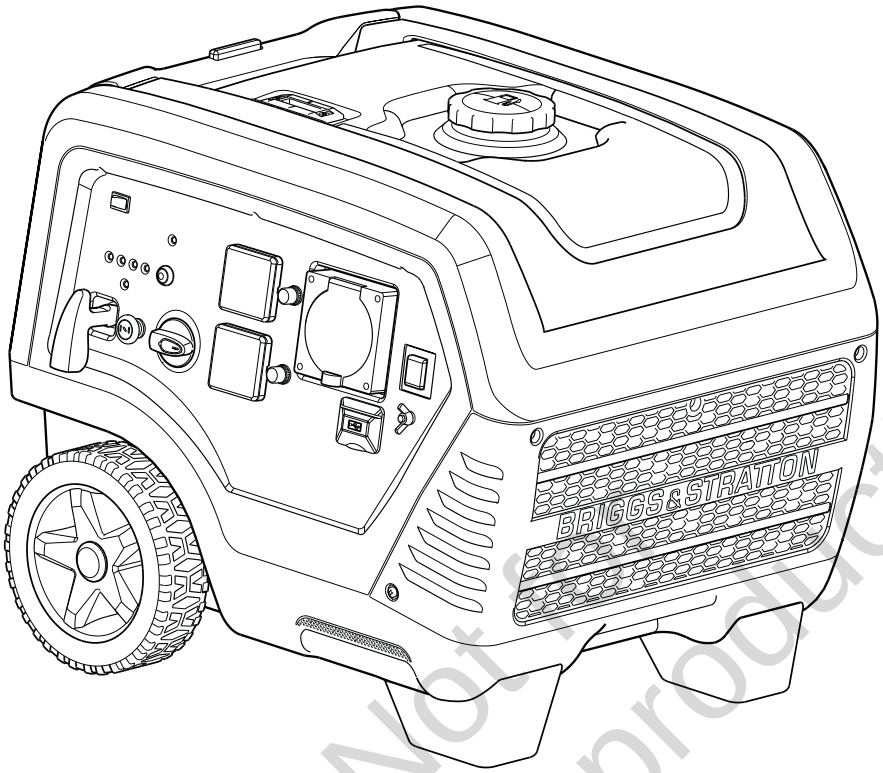
BRIGGS & STRATTON

Outdoor Inverter Generator
Operator's Manual



Model Number _____

Revision _____

Serial Number _____

Date Purchased _____

Manual No. 80029194 Revision A

Table of Contents

Register Your Product

To ensure prompt and complete warranty coverage, register your product online at www.onlineproductregistration.com.

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 resulting in serious injury.

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 generator is an engine–driven, revolving field, alternating and direct current (AC & DC) 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 at about 3,600 rpm (with QPT™ (QUIET POWER TECHNOLOGY™) switch off) by a single-cylinder engine.

The portable generator can be used to power outdoor items using the cord provided 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.

Every effort has been made to ensure that the information in this manual is both 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.

QPT (QUIET POWER TECHNOLOGY)

This feature is designed to greatly improve fuel economy. **When switch is ON (I)**, engine speed increases as electrical loads are connected, and decreases as electrical loads are removed.

With switch off (0), engine will run at full governed speed.

NOTICE Always have the switch OFF (0) when starting or stopping generator or when using DC USB ports.

System Ground

The generator has a system ground that connects the generator frame components to the ground terminals on the AC output receptacles. 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.

InfoHub™ Portable App

Download the InfoHub Portable by Briggs & Stratton App* to pair the Bluetooth® enabled generator to your approved Android or iOS smartphone and follow the in app instructions.

The generator is equipped with a status LED to indicate the Bluetooth status. A blinking blue LED indicates the generator is sending a signal to the App on your smartphone. A red LED indicates a fault in the generator's Bluetooth system, contact your closest Briggs & Stratton authorized service dealer.

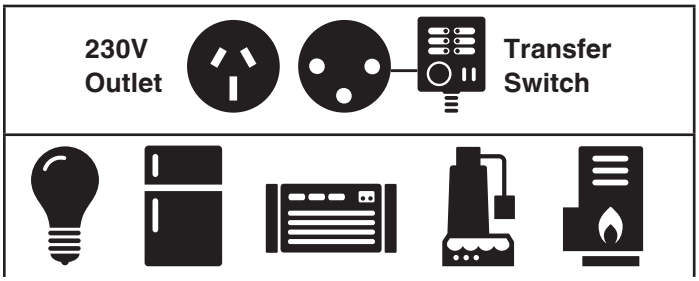
The InfoHub Portable App allows you to access information about your generator directly through your smartphone.

The power usage displayed in the app is a percentage of total generator output. Each receptacle is limited by the receptacles capacity and circuit breaker. See *Connecting Electrical Loads*.

* Data rates apply. The applicable privacy policy and terms of use are available through the InfoHub Portable Power app.

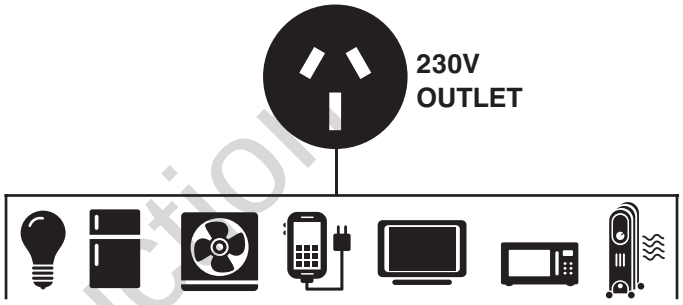
To Restore Home Power Using a Transfer Switch

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.



Typical Indoor Items

To Restore Power Using Extension Cords



When using extension cords or mobile distribution networks, the total length of cords for a cross section of 1.5mm² should not exceed 60 m, for a cross section of 2.5mm² this should not exceed 100 m.

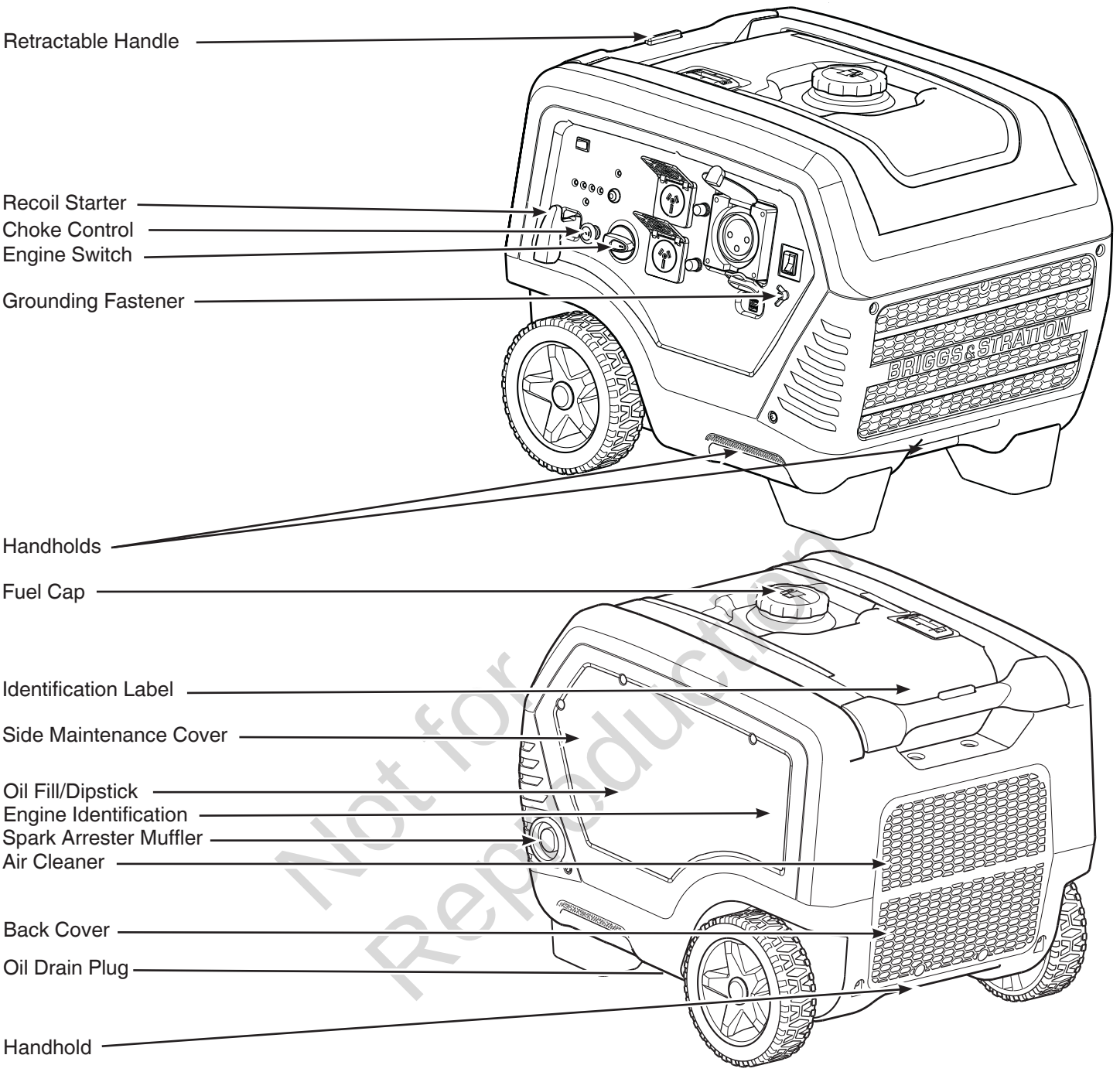
1. Only use cords marked for outdoor use rated for your loads.
2. Follow cord safety instructions.
3. Install carbon monoxide alarm(s).
4. When operating generator with extension cords, make sure it is located in an open, outdoor area, at least 6.1 m from occupied spaces with exhaust pointed away.
5. 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.

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

Equipment Description



Air Cleaner (under back cover) — Filters engine intake air.

Back Cover — Remove to gain access to the air filter.

Choke Control — Used when starting a cold engine.

Engine Identification (under side maintenance cover) — Provides model, type and serial number of engine.

Engine Switch — Set switch to ON (I) before using recoil starter. Set switch to OFF (0) to stop engine. Also turns fuel valve on and off.

Fuel Cap — Add unleaded fuel here.

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

Handholds — Provided for convenient lifting.

Identification Label — Provides model and serial number of generator.

Oil Drain Plug — Drain engine oil here.

Oil Fill/Dipstick (under side maintenance cover) — Check and add engine oil here.

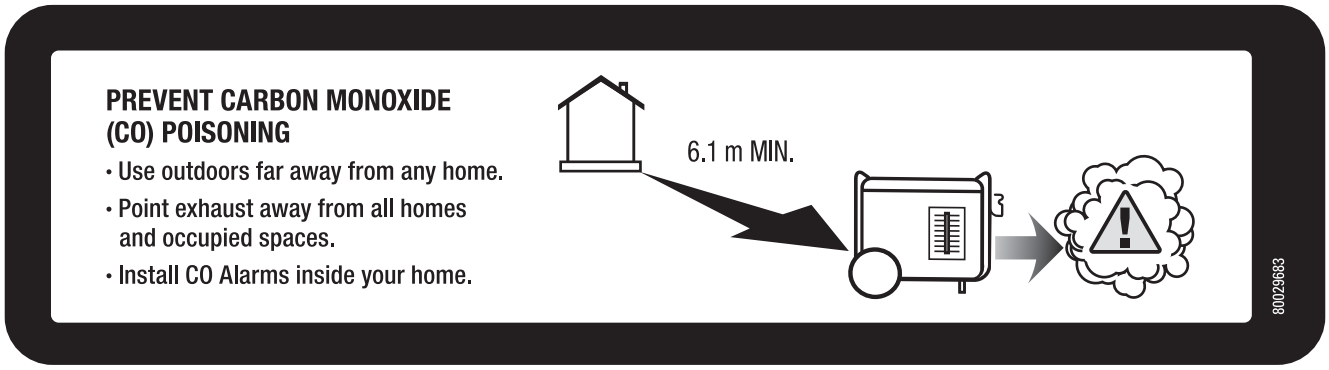
Recoil Starter — Used to start the engine manually.

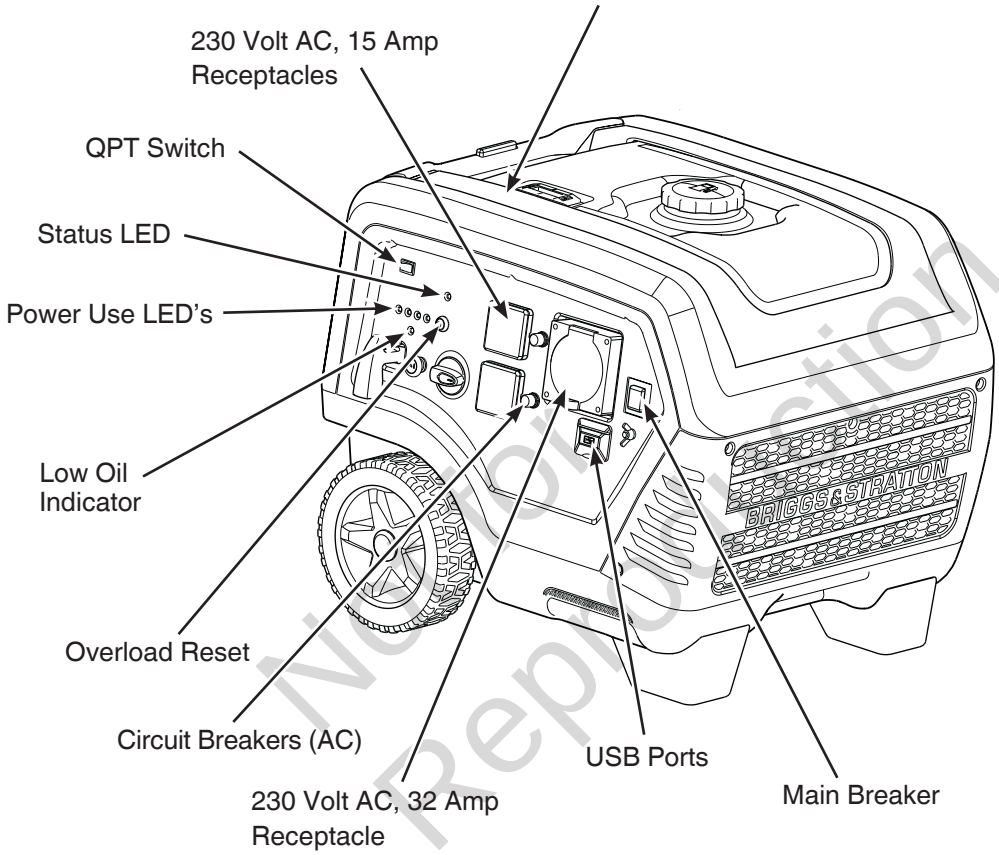
Retractable Handle — Press button and pull handle out to move generator. Press button to push handle back in.

Side Maintenance Cover — Remove to gain access to the spark plug, spark arrester, and oil service.

Spark Arrester Muffler — Exhaust muffler 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 — Used to supply 230 Volt AC, single phase, 50 Hz power for electrical lighting, appliance, tool and motor loads.

230 Volt AC, 32 Amp Receptacle — Used to supply 230 Volt AC, single phase, 50 Hz power for electrical lighting, appliance, tool and motor loads.

Circuit Breakers (AC) — The 230 Volt AC, 15 Amp receptacles are provided with "push to reset" circuit breakers to protect the generator against electrical overload.

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.

Overload Reset — If the generator was overloaded, press the OVERLOAD RESET button to continue in normal operating mode.

Power Use LED's — Measures the output wattage (generator load) of all the generator receptacles and displays the percentage of total generator load.

QPT (QUIET POWER TECHNOLOGY) Switch — Use this switch to turn the QPT switch on (I) and off (0).

Main Breaker — The receptacles are provided with a 2 pole rocker switch circuit breaker to protect the generator against electrical overload.

Status LED — Indicates generator Bluetooth status.

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

⚠ WARNING

Failure to follow warnings, instructions and operator's manual could result in death or serious injury.

Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT smell it, see it, or taste it. Operate this product only outdoors, at least 6.1 m from occupied spaces with exhaust pointed away.

Generator could cause electrical shock.
- Do not run indoors to avoid wet conditions.
- Do not run in rain or wet weather.
- The output of this generating set is potentially lethal. The set shall not be connected to a fixed electrical installation by fixed wiring except by an appropriately licensed person. See instruction manual.

Hot exhaust gases could cause fires. Keep at least 1.5 m clearance from any combustibles or structures including overhead.

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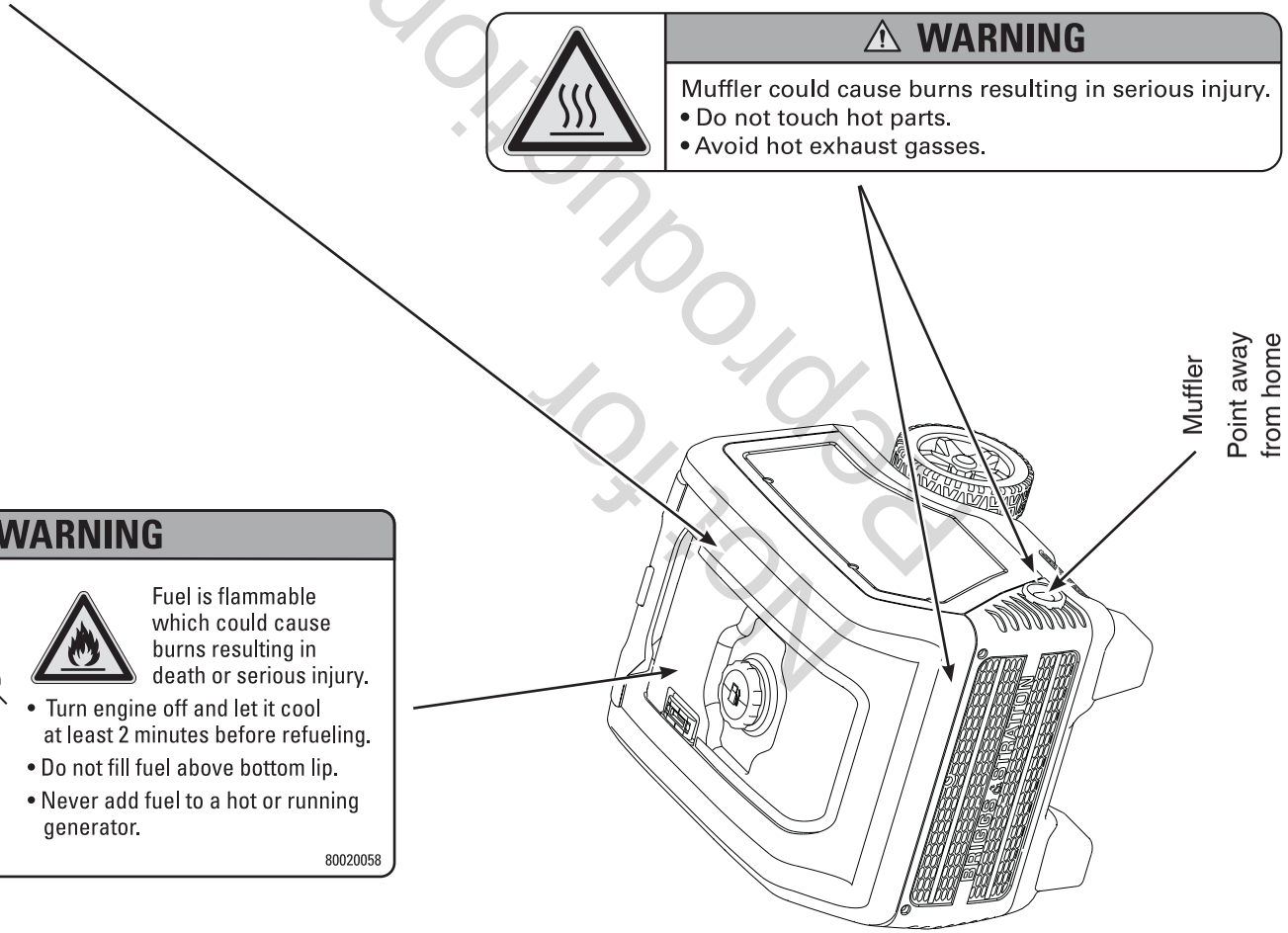
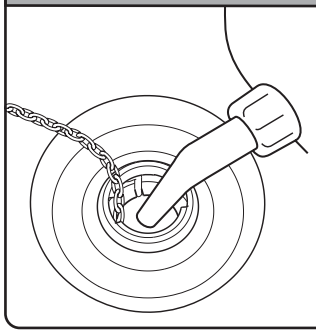
⚠ WARNING

Muffler could cause burns resulting in serious injury.
- Do not touch hot parts.
- Avoid hot exhaust gasses.



⚠ WARNING



Fuel is flammable which could cause burns resulting in death or serious injury.
- Turn engine off and let it cool at least 2 minutes before refueling.
- Do not fill fuel above bottom lip.
- Never add fuel to a hot or running generator.

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Operation

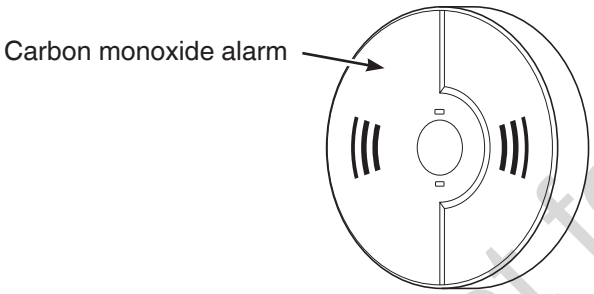
Step 1: Safe Location

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 buildup of carbon monoxide, the alarm will alert the occupants by flashing visual indicator light and alarm. Smoke alarms cannot detect carbon monoxide gas.



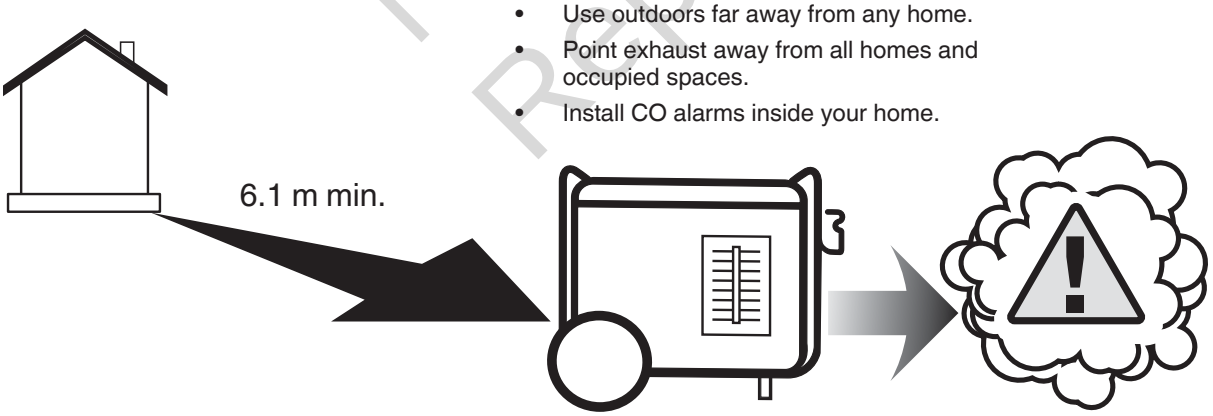
WARNING! Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

- 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 this product 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.
- Always point the engine exhaust away from occupied spaces.

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 far away from any home.
- Point exhaust away from all homes and occupied spaces.
- Install CO alarms inside your home.



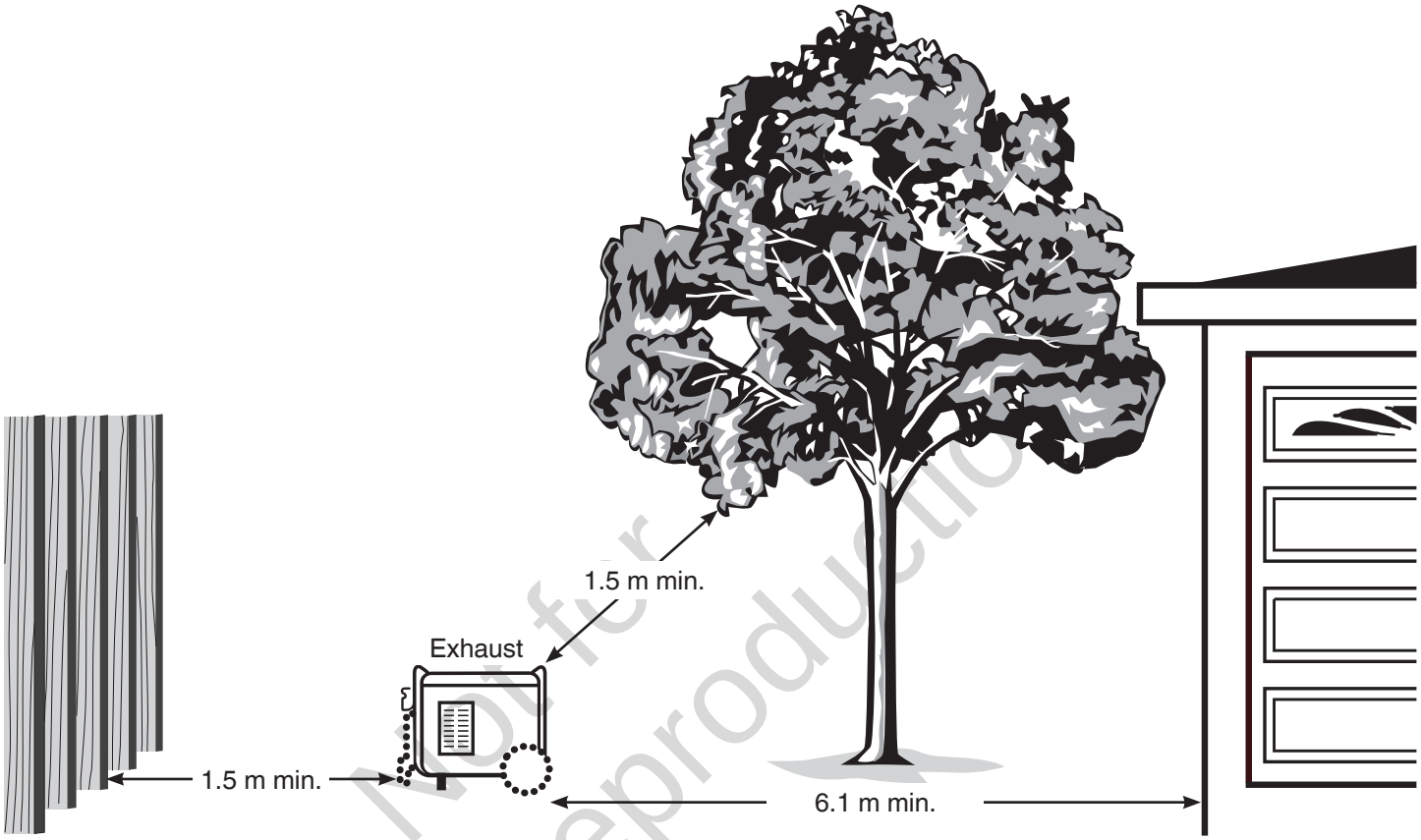
To better educate yourself about all carbon monoxide risks, go to www.takeyourgeneratoroutside.com.

Operation

Operation Location to Reduce the Risk of Fire

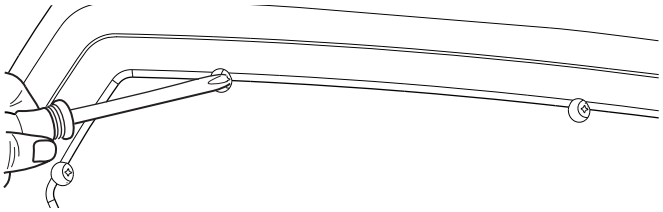
WARNING! Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.

- 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.

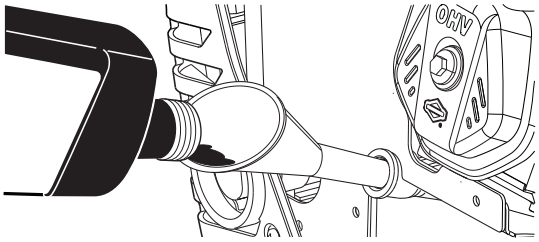


Step 2: Oil and Fuel

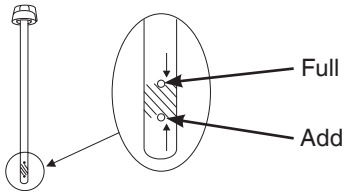
1. Move generator outdoors to a flat, level surface.
2. Loosen the three maintenance cover screws and remove the side maintenance cover.



3. Clean area around oil fill and remove dipstick.
4. Using oil funnel, slowly pour oil into oil fill opening.



5. Checking oil level frequently, fill to full mark (top hole) on dipstick.



NOTICE Pause to permit oil to settle. Wipe dipstick clean each time oil level is checked. DO NOT overfill.

6. Replace and fully tighten dipstick.
7. Replace the maintenance cover and hand tighten the three maintenance cover screws.

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**

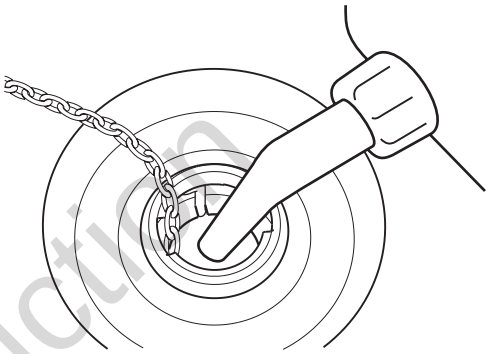
NOTICE Do not mix oil in fuel or modify engine to run on alternate fuels. Use of unapproved fuels could damage engine and will not be covered under warranty.

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 or move 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.

8. Slowly remove fuel cap to relieve pressure in tank.
9. Slowly add unleaded fuel to fuel tank. Be careful not to fill above lip. This allows adequate space for fuel expansion.



10. 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 with a vehicle or trailer, turn engine switch to off (0) position. Do not tip engine or equipment at an angle which causes fuel to spill.

Low Oil Indicator

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

Step 3: Generator Start Up

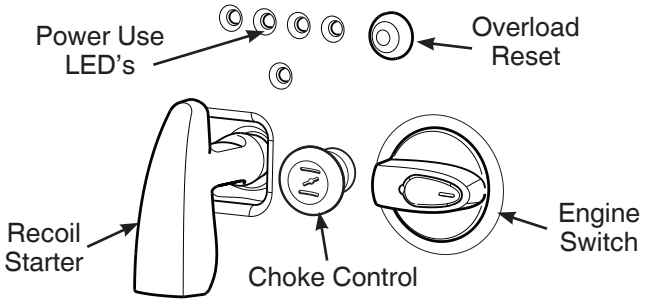
NOTICE Always have QPT switch OFF (0) when starting or stopping generator or when using DC USB ports.

Disconnect all electrical loads from 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. Pull choke control out to close choke (⎍).



3. Turn engine switch to ON (I) position.
4. Grasp recoil starter handle and pull slowly until slight resistance is felt. Then pull rapidly once to start engine.
5. Open choke gradually as engine warms up by pushing in on choke handle.

NOTICE If engine fails to start, push choke control in and repeat step 4. If engine starts but fails to run, see Low Oil Indicator in *Oil and Fuel.*

Step 4: Connecting Electrical Loads

Using Extension Cords

Use only grounded extension cords marked for outdoor use rated for your loads. Follow cord safety instructions.

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

NOTICE For generator output required see *Generator Capacity.* Connect electrical loads in off position then turn on for operation.

Power Use

The power use monitor indicates the percentage of total generator load using 4 LED's. The first green LED indicates the generator is operating normally or producing more than 25% load. The second green LED comes on after 50% load is reached. The yellow LED comes on after 75% load is reached. The red LED flashes when load reaches 100%.

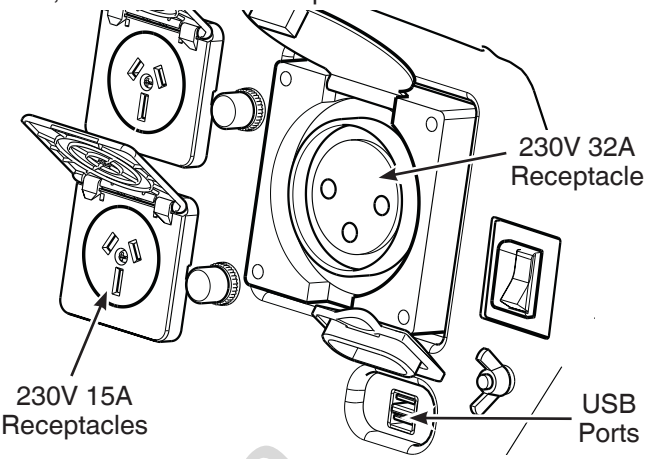
Overload Reset

If the generator is overloaded, the red 100% load LED illuminates and cuts power to the receptacles. You must turn off and unplug all electrical loads. Press the OVERLOAD RESET button on the generator control panel and then plug in and restart electrical loads one at a time to continue in normal operating mode.

5 Volt DC USB Ports

The maximum current available for the USB ports is 2.1 Amps at 5 Volts. The USB port allows you to recharge most USB powered devices with a USB charging cable (not included).

NOTICE For maximum output when charging Apple devices, use the bottom USB port.



NOTICE For charging ITE (Information Technology Equipment) only.

230 Volt AC, 15 Amp Receptacles

Use receptacles to operate 230 Volt AC, single–phase, 50 Hz electrical loads requiring up to 3,450 watts (3.45 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 Receptacle

Use receptacle to operate 230 Volt AC, single–phase, 50 Hz electrical loads requiring up to 5,000 watts (5.0 kW) at 21.7 Amps of current. Use cord sets that are rated for 230 Volt AC loads at 32 Amps (or greater).

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 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	-
Sump Pump - 1/3 HP	1140	2850
Refrigerator/Freezer	550	1350
Water Well Pump - 1/3 HP	575	1440
Window AC - 10,000 BTU	1000	2100
Furnace Fan Blower - 1/2 HP	800	2350
Microwave Oven - 1000 Watt	1000	-
Plasma Television - 50”	500	-
Laptop	250	-
Garage Door Opener - 1/2 HP	300	500

* 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 surge loads in generator capacity.

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. Turn engine switch to 0FF (0) position.

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 5 Hours
• Change engine oil
Every 8 Hours or Daily
• Clean debris
• Check engine oil level
Every 25 Hours or Yearly
• Clean engine air filter[1]
Every 50 Hours or Yearly
• Inspect muffler and spark arrester
Every 100 Hours or Yearly
• Change engine oil[1]
Yearly
• Replace engine air filter[1]
• Replace spark plug

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

General Recommendations

Regular maintenance will improve the performance and extend the life of the generator. See any authorized dealer for 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.

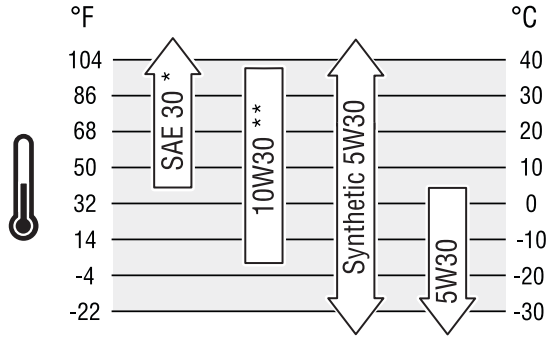
NOTICE Improper treatment of generator could damage it and shorten its life. Do not expose generator to excessive moisture, dust, dirt, or corrosive vapors. Do not insert any objects through cooling slots.

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. See *Common Service Parts*.

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



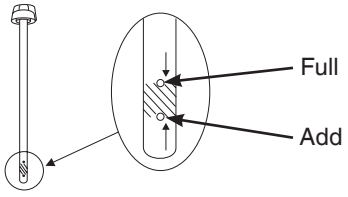
* Below 4°C (40°F) the use of SAE 30 will result in hard starting.

** Above 27°C (80°F) the use of 10W30 may cause increased oil consumption. Check oil level more frequently.

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. Loosen the three maintenance cover screws and remove the side maintenance cover.
3. Clean area around oil fill, remove dipsitck and wipe with clean cloth. Replace dipstick. Remove and check oil level.
4. Verify oil is at full mark (top hole) on dipstick.



5. If needed, using oil funnel, slowly pour oil into oil fill opening to the full mark (top hole) on dipstick. Do not overfill.

NOTICE Overfilling with oil could cause the engine to not start, or hard starting.

- Do not overfill.
- If over the full mark (top hole) on dipstick, drain oil to reduce oil level to full mark on dipstick.

6. Replace and tighten dipstick.
7. Replace the side maintenance cover and hand tighten the three maintenance cover screws.

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.

⚠ **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.

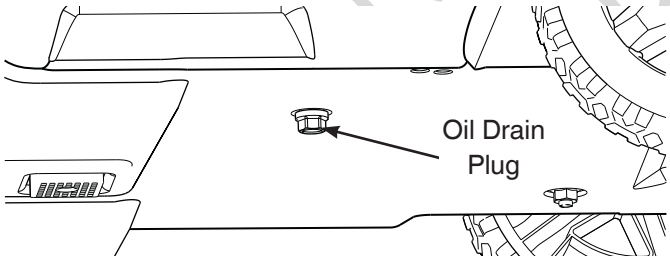
KEEP OUT OF REACH OF CHILDREN. DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO COLLECTION CENTERS.

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 oil drain plug and drain oil completely into a suitable container.



3. Reinstall oil drain plug and tighten securely.
4. Loosen the three maintenance cover screws and remove the side maintenance cover.
5. Clean area around oil fill, remove dipsitck and wipe with clean cloth.
6. Slowly pour recommended oil (about 1.0 l) into oil fill opening. Pause to permit oil to settle. Fill to full mark (top hole) on dipstick.
7. Wipe dipstick clean each time oil level is checked. Do not overfill.
8. Reinstall dipstick.
9. Wipe up any spilled oil.
10. Replace the side maintenance cover and hand tighten the three maintenance cover screws.

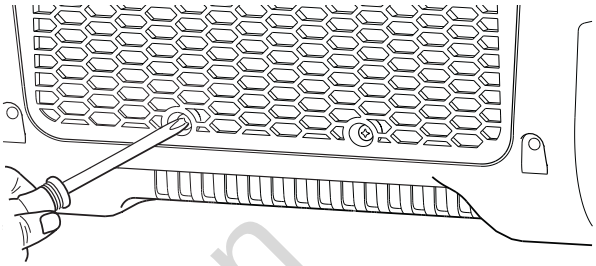
Service Air Filter

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

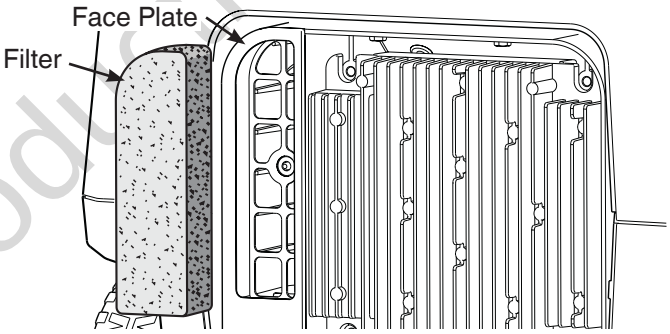
- Do not start and run engine with air filter removed.

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

1. Loosen back cover screws, slide cover up and remove.



2. Carefully remove foam filter by pulling it out towards you.



3. Wash foam filter in liquid detergent and water only. Squeeze dry in a clean cloth.
4. SATURATE foam air filter in clean engine oil and squeeze in a clean cloth to remove excess oil.
5. Reinstall clean or new foam filter inside base behind face plate.

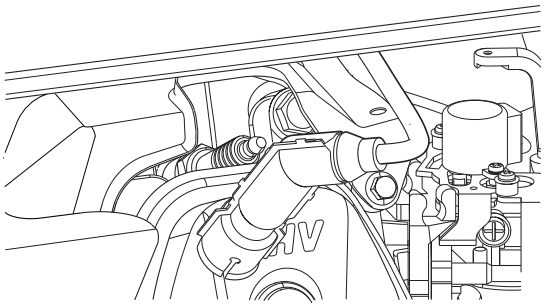
NOTICE Be sure filter is fully seated behind the face plate.

6. Slide back cover into grove and reinstall.

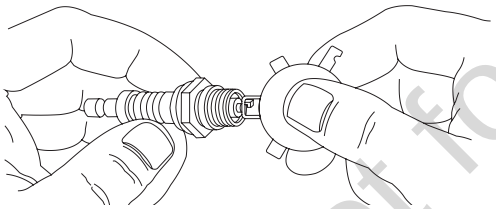
Service Spark Plug

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

1. Loosen the three maintenance cover screws and remove the side 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 plug. See *Common Service Parts*.
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. Replace the side maintenance cover and hand tighten the three maintenance cover screws.

Inspect Muffler and Spark Arrester

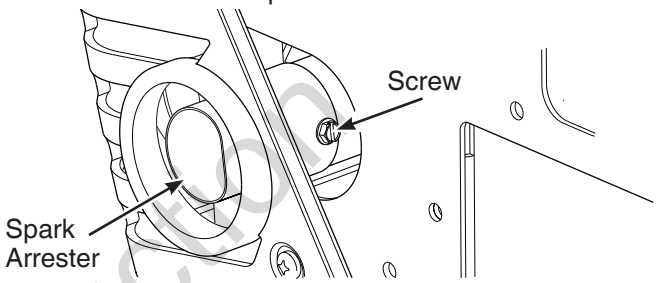
The engine exhaust muffler has a spark arrester screen. Inspect the muffler for cracks, corrosion, or other damage. Inspect spark arrester screen for damage or carbon blockage. Clean if carbon blockage is found or replace if damaged. If replacement parts are required, make sure to use only original equipment replacement parts.

WARNING! Contact with muffler area could cause burns resulting in serious injury.

- Do not touch hot parts.

Clean or replace spark arrester as follows:

1. Loosen the three maintenance cover screws and remove the side maintenance cover.
2. Remove screw that attaches spark arrester screen to muffler. Remove spark arrester screen.



3. Obtain a replacement screen. See *Common Service Parts*.
4. Reattach screen to muffler. Reattach side cover.

Common Service Parts

Air Cleaner 596106
Spark Plug 798615
Engine Oil Bottle . . . . . 100005 or 100028
Synthetic Oil Bottle 100074
Fuel Stabilizer . . . . . 100120 or 100117

Contact an authorized service dealer or BRIGGSandSTRATTON.COM for a full list of parts and diagrams.

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.

Stale fuel causes acid and gum deposits to form in the fuel system or on essential carburetor parts. To keep fuel fresh, use Briggs & Stratton® Advanced Formula Fuel Treatment & Stabilizer, available wherever Briggs & Stratton genuine service parts are sold. See *Common Service Parts.*

There is no need to drain gasoline from the engine if a fuel stabilizer is added according to instructions. Run the engine for 2 minutes to circulate the stabilizer throughout the fuel system before storage.

If gasoline in the engine has not been treated with a fuel stabilizer, it must be drained into an approved container. Then run the engine until it stops from lack of fuel. The use of a fuel stabilizer in the storage container is recommended to maintain freshness.

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. 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 generator. Let equipment cool for a sufficient time before placing the cover on the equipment.

Troubleshooting/Specifications

Problem	Cause	Correction
Engine is running, but no AC output is available.	1. Red LED light is steady. Generator is overloaded or overheated. 2. Poor connection or defective cord set. 3. Connected device is bad.	1. See *Generator Capacity*. Press OVERLOAD RESET button on control panel. 2. Check and repair. 3. Connect another device that is in good condition.
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. Engine switch in OFF (0) position. 2. Low oil indicator light comes on. Low oil level. 3. Dirty air filter. 4. Out of fuel. 5. Spark plug wire not connected to spark plug. 6. Flooded with fuel.	1. Turn engine switch to ON (I) position. 2. Fill crankcase to proper level or place generator on level surface. 3. Clean or replace air filter. 4. Fill fuel tank. 5. Connect wire to spark plug. 6. Wait 5 minutes and re-crank engine.
For all other issues, see a Briggs & Stratton authorized dealer.		

Specifications

Rated Wattage* 5,000
Starting Wattage** 6,500
AC Current at 230 Volts . . . . . 21.7 Amps
Frequency. . . . . 50 Hz
Phase . . . . . Single Phase
Displacement . . . . . 306 cc
Spark Plug Gap . . . . . 0.76 mm
Fuel Capacity . . . . . 18.9 Liters
Oil Capacity . . . . . 1.0 Liters
Sound Pressure @ 7 m§ . . . . . 77 dBA
Fuel Consumption @ Full Load§ . . . . . 3.4 Liters/hr

Power Ratings: The gross power rating for individual gasoline engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J1940 Small Engine Power & Torque Rating Procedure, and is rated in accordance with SAE J1995. Torque values are derived at 2600 RPM for those engines with "rpm" called out on the label and 3060 RPM for all others; horsepower values are derived at 3600 RPM. The gross power curves can be viewed at www.BRIGGSandSTRATTON.COM. Net power values are taken with exhaust and air cleaner installed whereas gross power values are collected without these attachments. Actual gross engine power will be higher than net engine power and is affected by, among other things, ambient operating conditions and engine-to-engine variability. Given the wide array of products on which engines are placed, the gasoline engine may not develop the rated gross power when used in a given piece of power equipment. This difference is due to a variety of factors including, but not limited to, the variety of engine components (air cleaner, exhaust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperature, humidity, altitude), and engine-to engine variability. Due to manufacturing and capacity limitations, Briggs & Stratton may substitute an engine of higher rated power for this engine.

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

** Per Briggs & Stratton 628K

§ Per AS 2790-1989, Electricity Generating Sets - Transportable (Up to 25 kw).

Warranty

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 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

Item	Consumer Use	Commercial Use
Equipment	36 months	12 months
Engine*	24 months	12 months
Battery (if equipped)	3 months	None

* Applies to Briggs & Stratton engines only. Warranty coverage of non-Briggs & Stratton engines is provided by that engine manufacturer. Emissions-related components are covered by the Emissions Warranty Statement.

** 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 1300 274 447, or by emailing or writing to salesenquires@briggsandstratton.com.au, Briggs & Stratton Australia Pty Ltd, 1 Moorebank Avenue, NSW, Australia, 2170.

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.

To ensure prompt and complete warranty coverage, register your product at the website shown above or at www.onlineproductregistration.com.

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. 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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