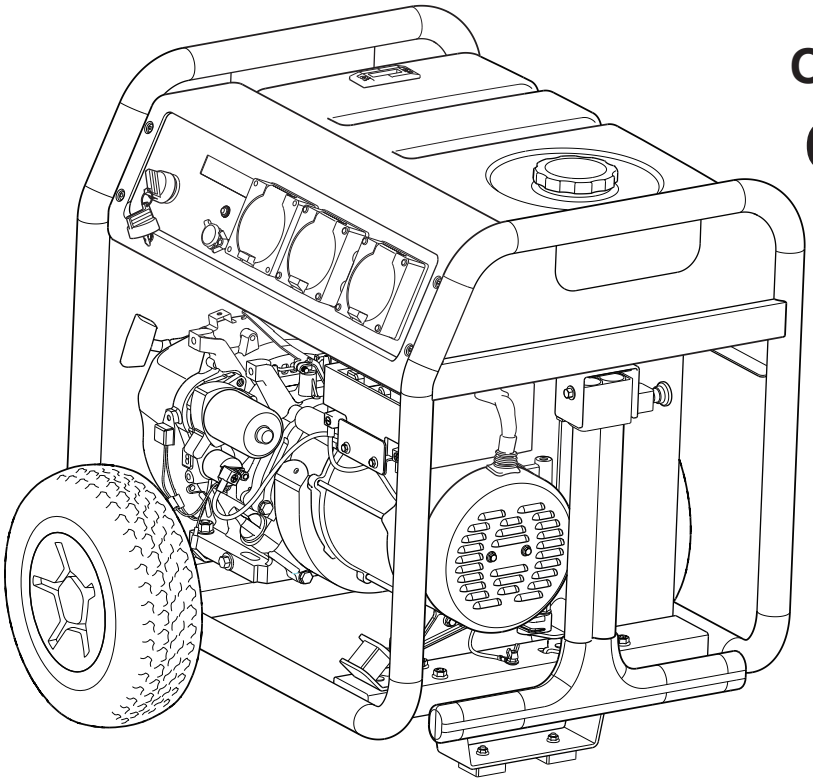
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BRIGGS & STRATTON®



Outdoor Portable Generator

Operator's Manual

Model Number _____

Revision _____

Serial Number _____

Date Purchased _____

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1800-356-632 (AUS) or 0800-484-282 (NZ)
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Manual No. 80028627 Revision -

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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.

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 current (AC) generator equipped with a voltage regulator. The generator is designed to supply electrical power for operating compatible electrical lighting, appliances, tools and motor loads. The voltage regulator within the generator is designed to automatically maintain output voltage level.

The portable generator produces power that can be used for outdoor items using the extension cords provided or for first time temporary home power restoration. Before your next home power outage, install a manual 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. Extension cords connected to the portable generator's control panel are not intended to be a long term solution when connected to items inside your home.

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.

System Ground

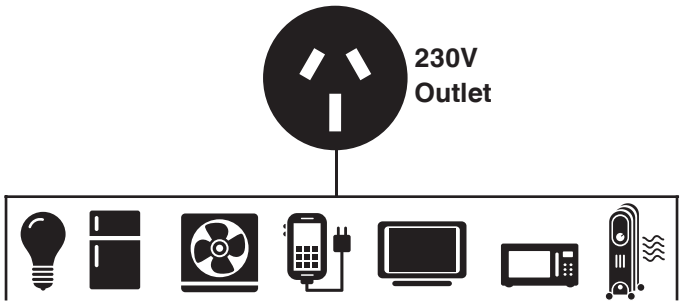
The generator has a system ground that connects the generator frame components to the ground terminals on the AC output receptacles. The system ground is connected to the AC neutral wire (the neutral is bonded to the generator frame).

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.

To Temporarily Restore Power Using Extension Cords

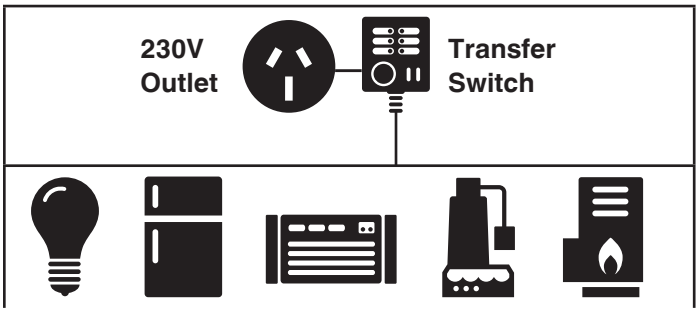


When using extension cords or mobile distribution networks, the total length of cords for a cross section of 1.5mm^2 should not exceed 60 m, for a cross section of 2.5mm^2 this should not exceed 100 m.

1. Only use cords marked for outdoor use rated for your loads.
2. Follow cord safety instructions.
3. Extension cords running directly into the home increase your risk of carbon monoxide poisoning through openings. Install carbon monoxide alarm(s).
4. Before your next home power outage, install a manual transfer switch.

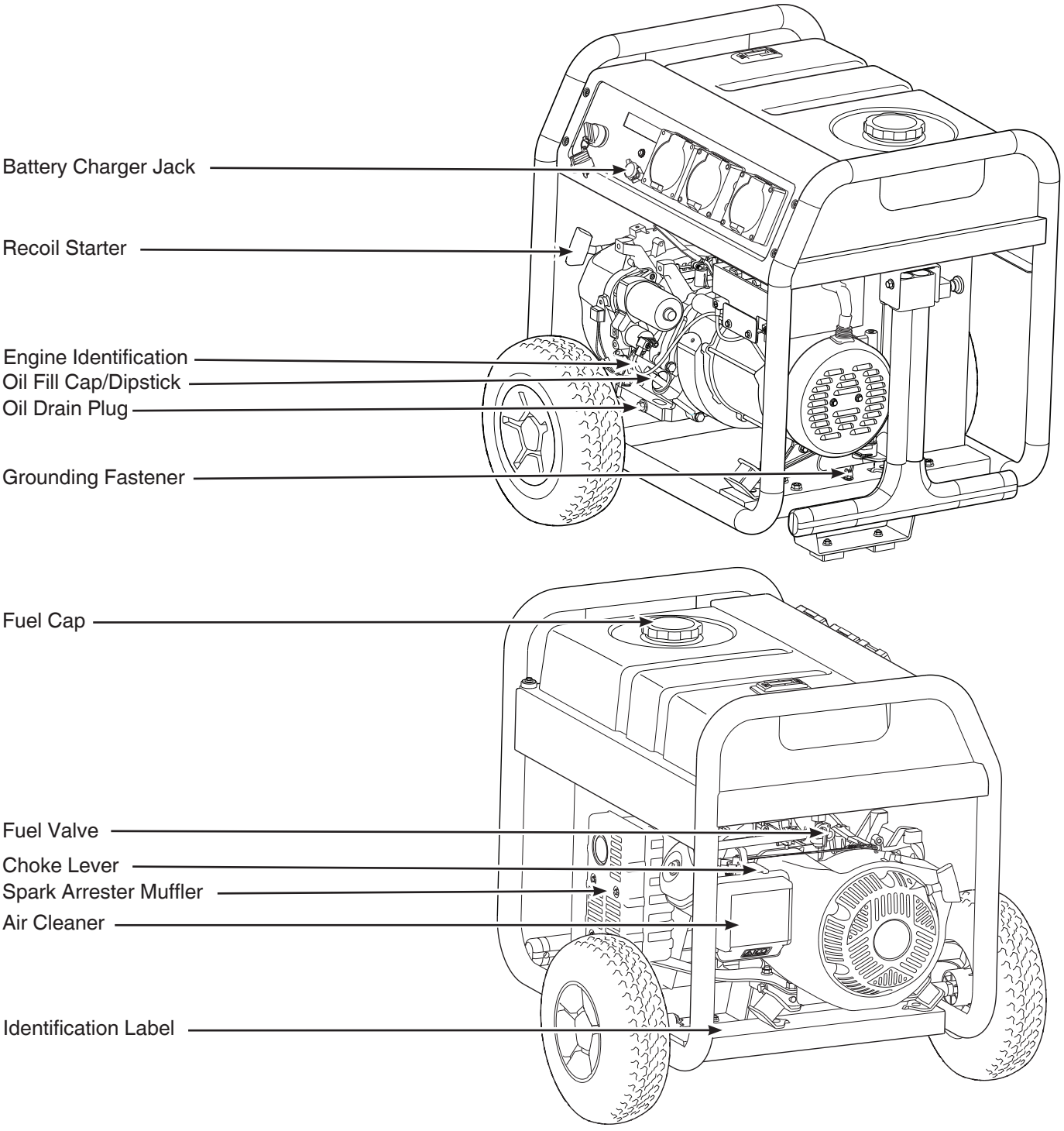
To Restore Home Power Using a Transfer Switch

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

Equipment Description



Air Cleaner — Filters engine intake air.

Battery Charger Jack — Use battery charger to keep the starting battery charged and ready for use.

Choke Lever — Used when starting a cold engine.

Engine Identification — Provides model, type and serial number of 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.

Identification Label — Provides model and serial number of generator.

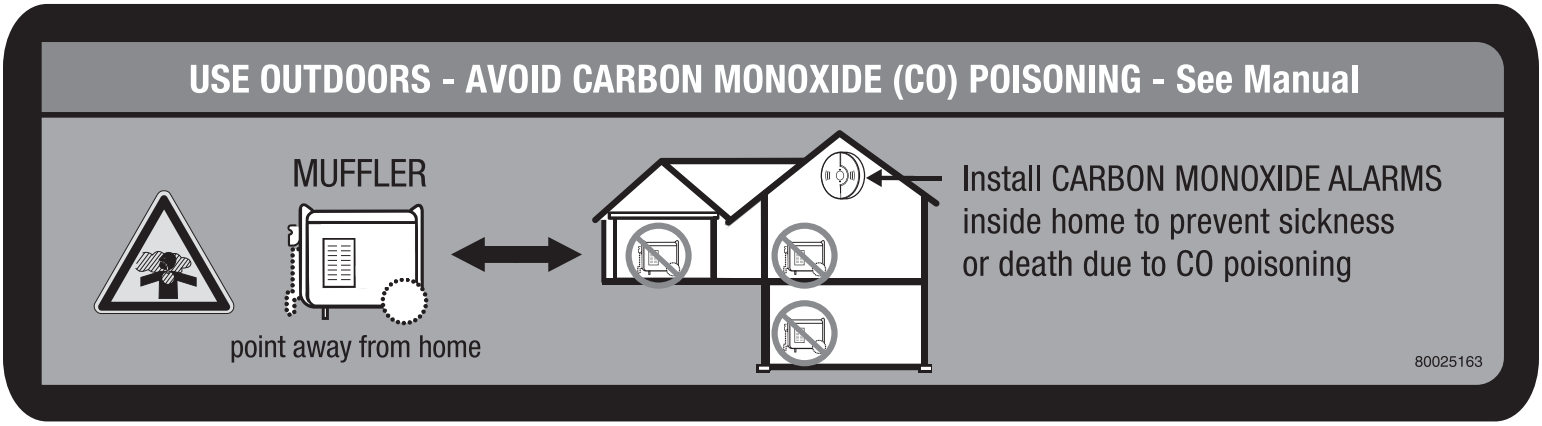
Oil Drain Plug — Drain engine oil here.

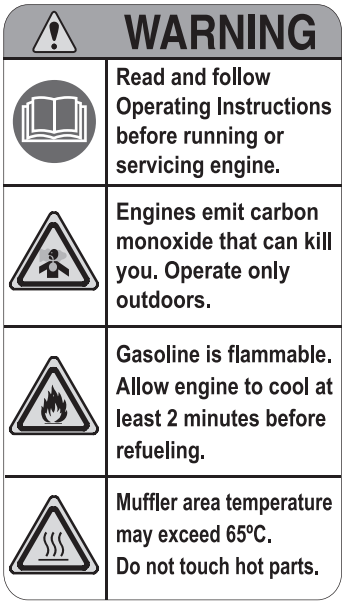
Oil Fill Cap/Dipstick — Check and add engine oil here.

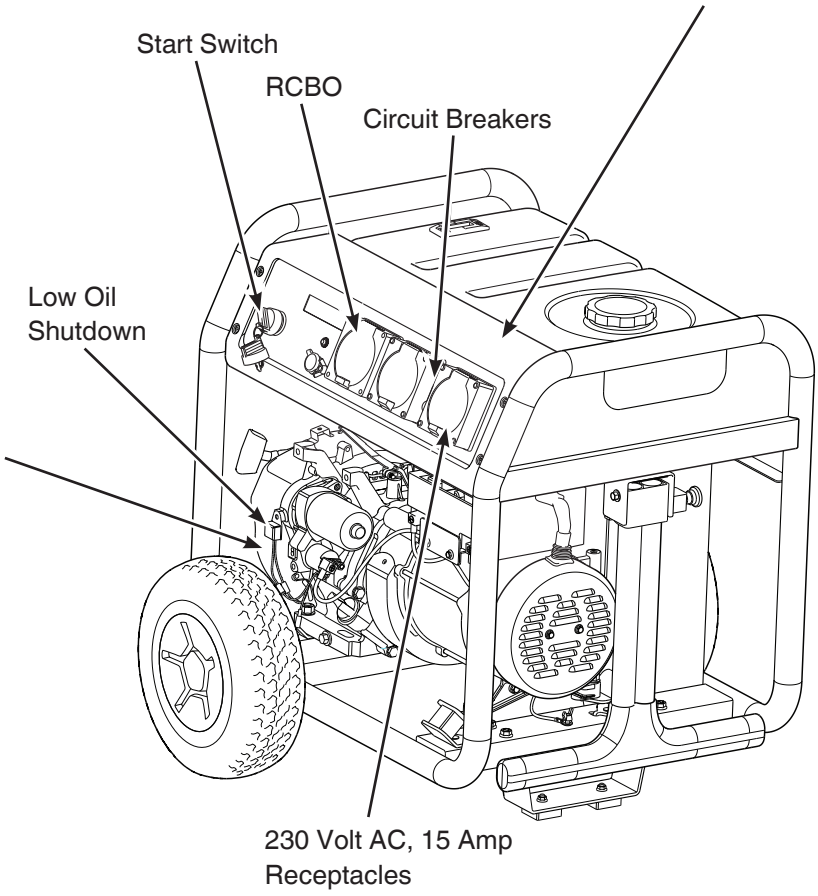
Recoil Starter — Used to start the engine manually.

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.

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.

Display Button — Push to scroll through LCD screens. Also push and hold for a minimum of 3 seconds to reset maintenance reminders.

Low Oil Shutdown — 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.

Residual Current Circuit Breaker with Overload Protection (RCBO) — Provided to protect against electrical ground fault and protect the generator against electrical overload.

Start Switch — Turn key to start before starting engine. Turn key to OFF to shut off engine.

⚠ 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 outside far away from windows, doors and vents.

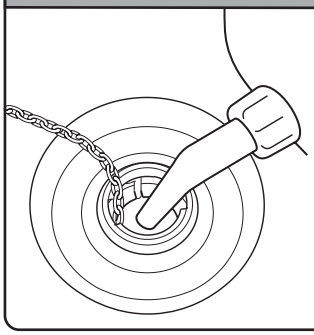
Generator could cause electrical shock.

- 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 should not be connected to a fixed electrical installation except by an appropriately licensed person.

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

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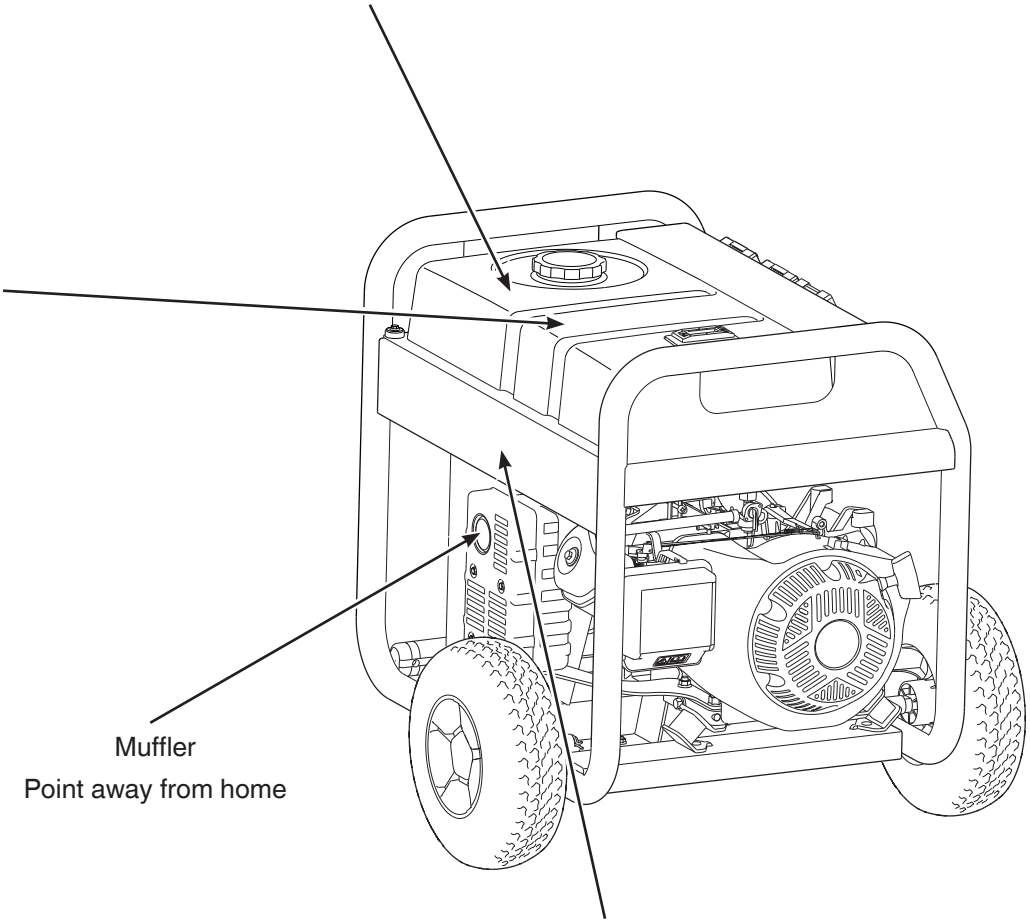
⚠ WARNING



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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⚠ WARNING



Muffler could cause burns resulting in serious injury.

- Do not touch hot parts
- Avoid hot exhaust gases

Operation

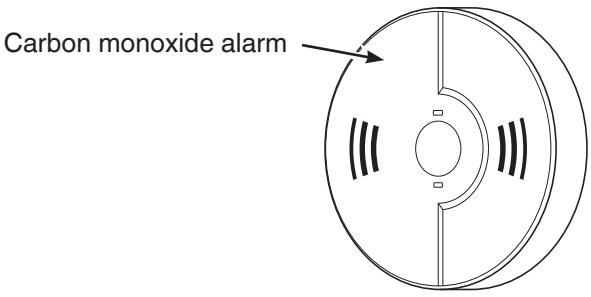
Step 1: Safe Location

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.

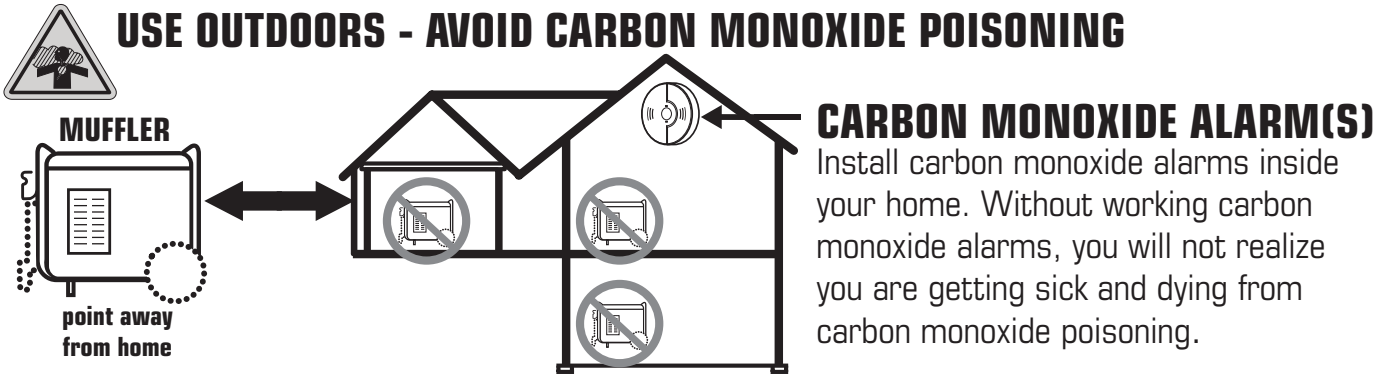
By law it is required in many states to have a carbon monoxide alarm in operating condition in your home. A carbon monoxide alarm is an electronic device that detects hazardous levels of carbon monoxide. When there is a buildup of carbon monoxide, the alarm will alert the occupants by flashing visual 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 this product only outdoors far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- 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 place this product downwind and point the engine exhaust away from occupied spaces.

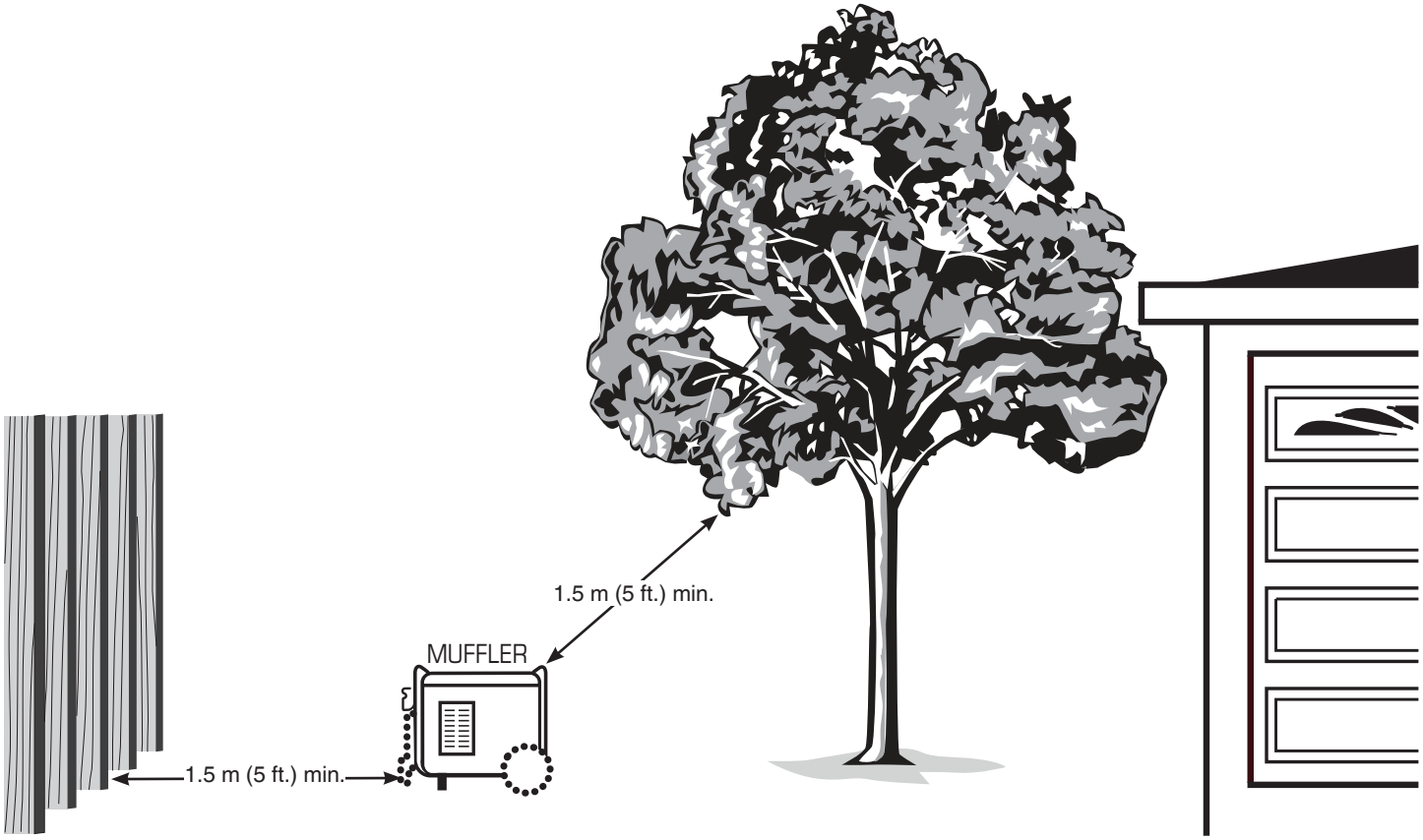
If you start to feel sick, dizzy, or weak while using this product, get to fresh air right away. See a doctor. You may have carbon monoxide poisoning.



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 (5 ft.) from any structure, overhang, trees, windows, doors, any wall opening, shrubs, or vegetation over 30.5 cm (12 in.) 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

Fuel must meet these requirements:

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



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.

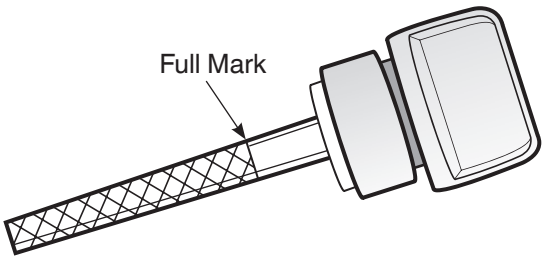
See *High Altitude* for 1524 m (5,000 ft.) and above.



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

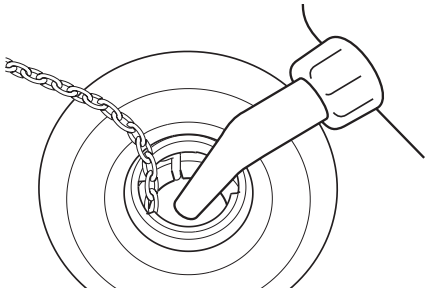
- Do not refuel during operation.
- Turn engine off and let it cool at least 2 minutes before removing fuel cap.
- Fill fuel tank outdoors. Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources. Check fuel lines, tank, cap and fittings frequently for cracks or leaks.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

1. Move generator outdoors to a flat, level surface.
2. Clean area around oil fill and remove oil fill cap/dipstick.
3. Slowly pour engine oil into oil fill opening to the full mark on dipstick.



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

4. Replace and fully tighten oil fill cap/dipstick.
5. Slowly remove fuel cap to relieve pressure in tank.
6. Slowly add unleaded fuel to fuel tank. Be careful not to fill above bottom lip. This allows adequate space for fuel expansion.



7. Install fuel cap and let any spilled fuel evaporate before starting engine.

High Altitude

At altitudes over 1524 m (5,000 ft.), a minimum 85 octane/85 AKI (89 RON) 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 (2,500 ft.) with the high altitude kit is not recommended.

Transporting

When transporting equipment with a vehicle or trailer, turn fuel shutoff valve to OFF (0) position. Do not tip engine or equipment at an angle which causes fuel to spill.

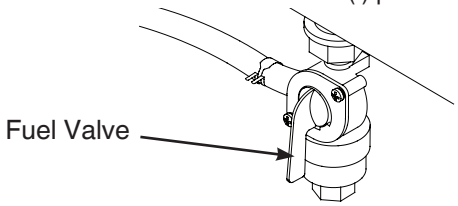
Step 3: Generator Start Up

Disconnect all electrical loads from the generator. Use the following start instructions:

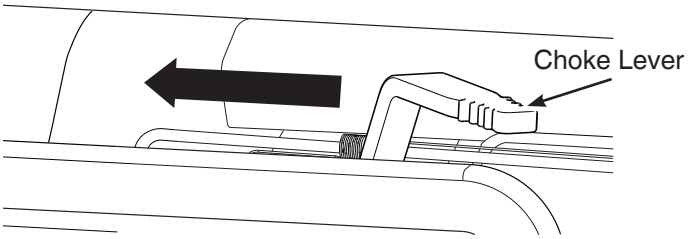
1. Make sure unit is outdoors on a level surface.

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

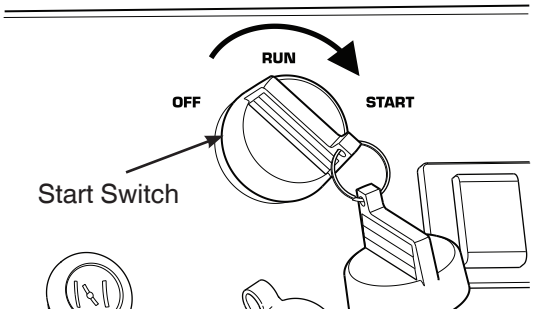
2. Turn the fuel valve to the ON (I) position.



3. Push choke lever to CHOKE (|↘|) position.



4. Turn and hold key in start switch to START position until generator starts. DO NOT hold key in START position for more than 5 seconds. Pause for at least 30 seconds between starting attempts.



NOTICE If battery is discharged, turn key in start switch to RUN position, grasp recoil handle and pull slowly until slight resistance is felt. Then pull rapidly one time only to start engine.

5. Slowly move choke lever to run (|↟|) position. If engine falters, move choke lever to half choke position until engine runs smoothly, and then to run (|↟|) position.

NOTICE If engine starts but fails to run, see Low Oil Shutdown in *Features and Controls.*

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.

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).

Ground Fault Protection

The generator is equipped with a residual current circuit breaker with overload protection device (RCBO). The RCBO protects against electrical shock that may be caused if your body becomes a path which electricity travels to reach ground.

When protected by a RCBO, one may still feel a shock, but the RCBO is intended to cut current off quickly enough so that a person in normal health should not suffer any serious electrical injury.

WARNING! Generator voltage could cause electrical shock or burn resulting in death or serious injury. Contact with the hot and neutral conductor at the same time could cause electrical shock or burn, even if the circuit is RCBO protected.

Testing the RCBO

Test your RCBO prior to each use, as follows:

- While generator is running, push the TEST button. The circuit breaker should trip (handle will move to approximate center position), which will disconnect power to outlets.

NOTICE If the circuit breaker does not trip or reset properly, do not use the generator. Call or take to a local Briggs & Stratton authorized service dealer.

- If handle moves to center, reset circuit breaker by firmly moving handle to Off or 0 (down) position, then to On or I (up) position.

During Generator Use

If circuit breaker trips during use, it usually indicates faulty electrical equipment or cords. However, test the circuit breaker as follows;

1. Disconnect loads, reset and test circuit breaker as described earlier. Let generator run without any loads for 1 minute.

NOTICE If circuit breaker trips in the 1 minute period do not use the generator. Call or take to a local Briggs & Stratton authorized service dealer.

2. If circuit breaker tests correctly, electrical equipment or extension cords may be faulty. Replace faulty electrical equipment and cords before further use.

NOTICE If circuit breaker tests correctly, have qualified personnel check all electrical equipment and cords for any defects. Replace electrical equipment and cords or take to a qualified repair center.

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	800	1200
Refrigerator/Freezer	800	2000
Water Well Pump - 1/3 HP	1000	2000
Window AC - 10,000 BTU	1200	1800
Furnace Fan Blower - 1/2 HP	800	1300
Microwave Oven - 1000 Watt	1000	-
Color Television - 42”	280	-
Personal Computer w/17” monitor	800	-
Garage Door Opener - 1/2 HP	480	520

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

** Per Briggs & Stratton 628K, Starting Watts represents the momentary electrical current the generator can provide to start electric motors. Starting Watts does not represent the power required to continuously run electrical loads. Starting Watts 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 air conditioner	1200	1800
Refrigerator	800	2000
Television	280	—
Light (75 Watts)	75	—
	2355 Total Running Watts	2000 Highest Starting Watts

Total running watts = 2355

Highest Starting Watts = 2000

Total generator watts required = 4355

3. Estimate the Starting Watts you will need. Because not all motors start at the same time, total Starting Watts 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: Monitor STATSTATION™

The control panel has an LCD display to monitor the following features:

- Power Monitor (total generator power)
- Hour Meter (total generator hours)
- Maintenance Reminder (engine maintenance)

When the generator is first started, the following title screen will display for three seconds.

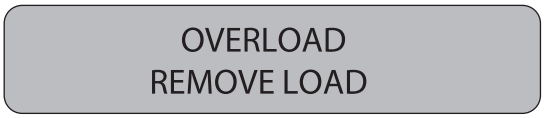


Power Monitor

The power monitor measures the output wattage (generator power) of all the generator receptacles and will display “TOTAL PWR” (total power) as a percentage of total generator rating.



If the “TOTAL PWR” is between 90% and 100%, the text will flash. If it reaches 101%, the LCD display will change to “OVERLOAD REMOVE LOAD”.



NOTICE Failure to remove load from generator could cause circuit breaker(s) to open.

Hour Meter

The control panel LCD has an hour meter that displays and records how many hours your generator has run (up to 9,999.9).

Maintenance Reminder

The control panel LCD has a maintenance reminder to alert you to check oil, change air filter, change oil, and change spark plug. The LCD will display the following screens for the different maintenance intervals:

- “CHECK OIL 8HRS HOLD TO RESET” after every 8 hours of operation.
- “AIR CLEANER 25HRS HOLD TO RESET” after every 25 hours of operation.
- “OIL CHANGE 50HRS HOLD TO RESET” after every 50 hours of operation.



- “SPARK PLG 100HRS HOLD TO RESET” after every 100 hours of operation.

The different maintenance interval hours will count down to zero hours when the generator is running. When a maintenance interval reaches zero hours the LCD screen will flash the maintenance to be performed. Once maintenance has been performed, you must push and hold the display button on the control panel for a minimum of 3 seconds to reset the timer for each maintenance interval.

Step 6: 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 key in start switch to 0FF position.
4. Move fuel valve to off (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
• Change engine oil[1]
Yearly
• Replace engine air filter[1]
• Service fuel valve
• Service spark plug
• Inspect muffler and spark arrester
• Clean cooling system[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 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*.

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.

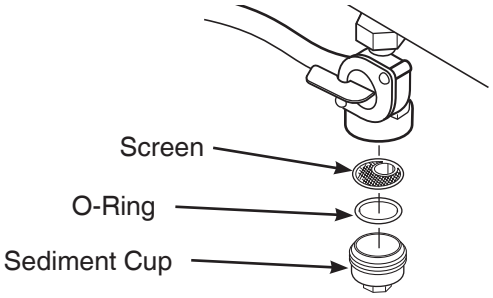
- Use a soft bristle brush to loosen caked on dirt or oil.
- Use a damp cloth to wipe exterior surfaces clean.

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.

Fuel Valve Maintenance

The fuel valve is equipped with a fuel sediment cup, screen, and o-ring that need to be cleaned.

1. Move fuel valve to OFF (0) position.
2. Remove sediment cup from fuel valve. Remove o-ring and screen from fuel valve.



3. Wash sediment cup, o-ring, and screen in a nonflammable solvent. Dry them thoroughly.
4. Place screen and o-ring into fuel valve. Install sediment cup and tighten securely.
5. Move fuel valve to ON (I) position, and check for leaks. Replace fuel valve if there is any leakage.

Battery Maintenance

Other than charging, no maintenance is required for the starting battery. Keep the battery and terminals clean and dry.

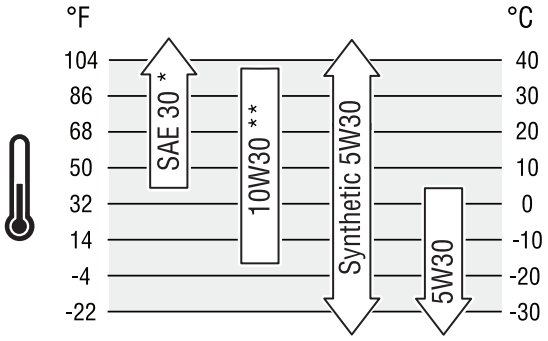
NOTICE Battery charging should be performed in a dry location.

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.

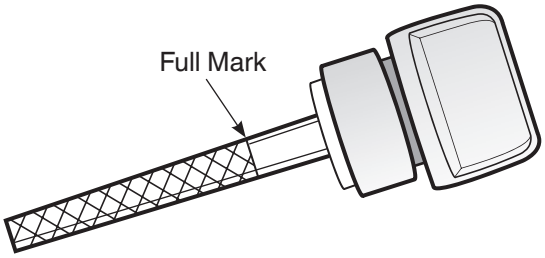
Checking/Adding Engine Oil

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. 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.

3. Verify oil is at full mark on dipstick.



4. If needed, slowly pour oil into oil fill opening to the point of overflowing.
5. 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.

⚠ **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.

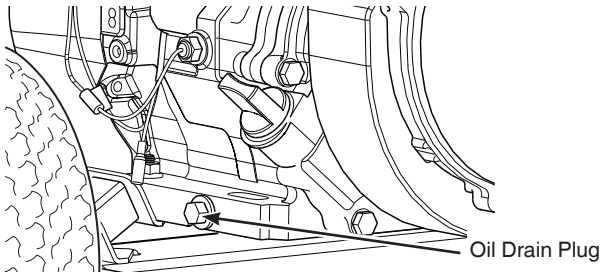
KEEP OUT OF REACH OF CHILDREN. DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO COLLECTION CENTERS.

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. Remove dipstick.
4. Slowly pour recommended oil (about 36 oz. (1.0 l)) into oil fill opening. Pause to permit oil to settle. Fill to Full mark on dipstick.
5. Wipe dipstick clean each time oil level is checked. Do not overfill.
6. Reinstall dipstick. Tighten cap securely.
7. Wipe up any spilled oil.

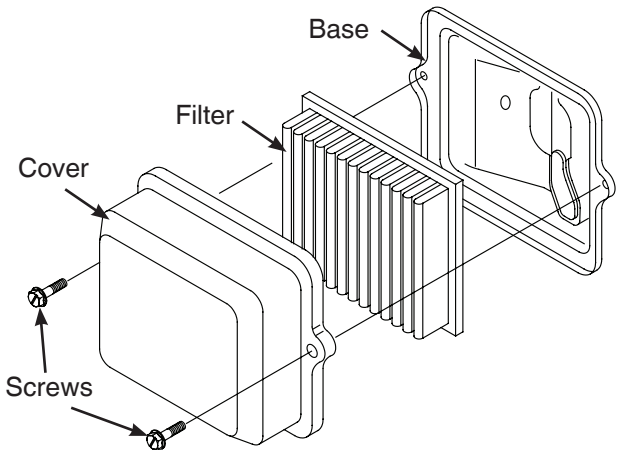
Service Air Cleaner

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

NOTICE Do not use pressurized air to clean the filter. Pressurized air can damage the filter.

To service the air cleaner, follow these steps:

1. Loosen screws and remove air cleaner cover.



2. Carefully remove cartridge from base.
3. Install clean (or new) air cleaner assembly inside cover. Dispose of old filter properly.

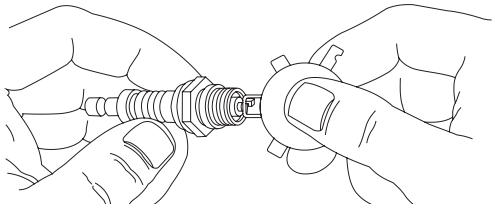
NOTICE If the filter is excessively dirty, replace with a new filter. See *Common Service Parts.*

4. Assemble air cleaner cover onto base and tighten screws.

Service Spark Plug

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

1. Clean area around spark plug.
2. Remove and inspect spark plug.
3. Replace spark plug if electrodes are pitted, burned or porcelain is cracked. Use the recommended replacement spark plug. See *Common Service Parts*.
4. Check electrode gap with wire feeler gauge and reset spark plug gap to recommended gap if necessary (see *Specifications*).



5. Install spark plug and tighten firmly.

Inspect Muffler and Spark Arrester

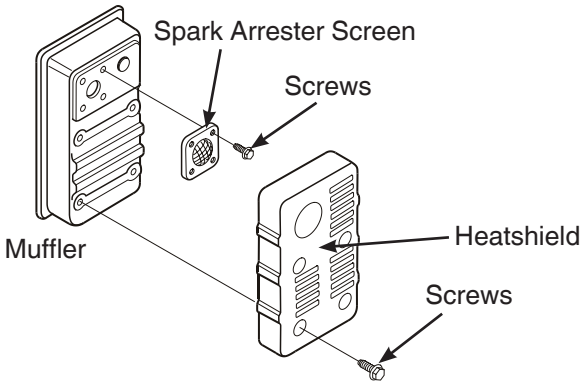
The engine exhaust muffler has a spark arrester screen. Inspect the muffler for cracks, corrosion, or other damage. Inspect spark arrester screen for damage or carbon blockage. Clean if carbon blockage is found or replace if damaged. If replacement parts are required, make sure to use only original equipment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



2. Remove four screws that attach spark arrester screen.
3. Obtain a replacement screen. See *Common Service Parts*.
4. Reattach screen and muffler guard.

Common Service Parts

Air Cleaner . . . . . 491588 or 5043
Spark Plug 491055
Engine Oil Bottle . . . . . 100005 or 100028
Synthetic Oil Bottle 100074
Fuel Stabilizer . . . . . 100120 or 100117
Spark Arrester 83083GS

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. 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. Plug charger into battery charger jack and a 230 Volt AC wall receptacle.

NOTICE The charger will not overcharge the battery when plugged in for an extended period of time.

5. 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.

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.	1. Reset circuit breaker. 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. Start switch in OFF (0) position. 2. Fuel valve is in off (0) position. 3. Low oil level. 4. Dirty air cleaner. 5. Out of fuel. 6. Spark plug wire not connected to spark plug. 7. Flooded with fuel. 8. Low battery charge.	1. Turn key in switch to RUN (I) position. 2. Turn fuel valve to on (I) position. 3. Fill crankcase to proper level or place generator on level surface. 4. Clean or replace air cleaner. 5. Fill fuel tank. 6. Connect wire to spark plug. 7. Wait 5 minutes and re-crank engine. 8. Charge battery for 24 hours.
For all other issues, see a Briggs & Stratton authorized dealer.		

Specifications

Starting Watts* . . . . . 9,500 Watts
Running Watts** . . . . . 7,000 Watts
AC Current at 230 Volts . . . . . 30.4 Amps
Frequency. . . . . 50 Hz at 3000 rpm
Phase . . . . . Single Phase
Displacement . . . . . 420 cc (25.63 cu. in.)
Spark Plug Gap . . . . . 0.76 mm (0.030 in.)
Fuel Capacity . . . . . 28.4 Liters (7.5 U.S. Gallons)
Oil Capacity . . . . . 1.1 Liters (37.6 Ounces)
Sound Pressure @ 7 m§ . . . . . 83 dBA

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.

* Per Briggs & Stratton 628K

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

§ Measured sound values in accordance to AS 2790-1989, Electricity Generating Sets - Transportable (Up to 25 kw).

Notes

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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