



Instruction Manual

iGen10000H Inverter Generator



CONGRATULATIONS ON PURCHASING A WESTINGHOUSE INVERTER GENERATOR

Thank you for purchasing a Westinghouse inverter generator. It is a high-quality power product that will provide many years of safe and reliable service if properly operated and maintained.

 DANGER	
	This manual contains important instructions for operating the generator. For your safety and that of others, be sure to read this manual thoroughly before operating the generator. Failure to properly follow all instructions and precautions could cause you or others to be seriously hurt or killed. This manual should be considered a permanent part of the generator and should remain with it if resold.

For Your Records

Date of Purchase: _____ Generator Model Number: _____

Purchased From: _____ Generator Serial Number: _____

Purchase Receipt: Please retain your tax invoice or purchase receipt to ensure warranty coverage.

DISCLAIMERS

All instructions, illustrations and specifications in this manual are based on the latest information available at the time of publishing. The illustrations used in this manual are intended as representative reference views only. Moreover, because of our continuous product improvement policy, we may modify information, illustrations or specifications to explain or exemplify a product, service or maintenance improvement. We reserve the right to make any change at any time without notice. Your generator may differ slightly from the models pictured, including optional accessories.

ALL RIGHTS RESERVED

No part of this publication may be reproduced or used in any form by any means – graphic, electronic or mechanical, including photocopying, recording, taping or information storage and retrieval systems – without the written permission of Westinghouse Outdoor Power Equipment.

ABOUT THIS MANUAL

This manual contains [Hyperlinks](#) to relevant sections and figures within this manual.

UPDATES

The latest Instruction Manual for your Westinghouse inverter generator can be found under the Downloads tab on our website at www.westinghouseoutdoorpower.com.au

SAFETY	2
SAFETY DEFINITIONS.....	2
SAFETY SYMBOLS.....	2
GENERAL SAFETY RULES	2
SAFETY LABELS	4
UNPACK	5
UNPACK THE GENERATOR	5
Included Fittings	5
Included Accessories	5
ASSEMBLE	6
ASSEMBLE THE GENERATOR.....	6
Attach the Feet	6
Attach the Wheels	6
Attach the Handle.....	6
Connect the Internal 12 Volt Battery	7
FEATURES	8
MAIN GENERATOR COMPONENTS.....	8
CONTROL PANEL FEATURES	9
OPERATION	11
APPLICATION	11
Ambient Conditions	11
Location Selection	11
PREPARE FOR OPERATION.....	12
Add Initial Engine Oil	12
Add Fuel.....	12
START THE GENERATOR	13
Electric Start.....	14
Manual Start.....	14
STOP THE GENERATOR.....	14
Normal Operation	14
During an Emergency.....	14
DURING OPERATION	15
Connect Electrical Loads	15
240-Volt AC Loads	15
240-Volt AC Extension Leads	15
Charge External 12 Volt Battery	15
Charge the Internal Battery	16
Eco Throttle Control	16
Residual Current Device (RCD)	17
Overload Reset.....	17
Clean the Generator	17
Transport the Generator	18
MAINTENANCE.....	19
MAINTENANCE PRECAUTIONS	19
MAINTENANCE SCHEDULE	19
BEFORE ANY MAINTENANCE.....	20
ACCESS FOR MAINTENANCE	21
Access Right Hand Side	21
Access Left Hand Side.....	21
ENGINE OIL	21
Engine Oil Specification	21
Check Engine Oil.....	22
Add Engine Oil.....	22
Drain Engine Oil	22
AIR FILTER	23
Clean the Air Filter	23
FUEL SYSTEM.....	24
Clean the Fuel Strainer.....	24

Drain the Fuel	24
Replace the Fuel Filter	25
SPARK PLUG	25
Remove the Spark Plug	25
Clean and Inspect the Spark Plug	26
Install the Spark Plug	26
SPARK ARRESTOR	26
Clean the Spark Arrestor	26
VALVE CLEARANCE	27
Check and Adjust	27
INTERNAL 12 VOLT BATTERY	28
Replace the Battery	28
LONG-TERM STORAGE	28
Storage for 1 - 3 Months	28
Storage Greater than 3 Months	29
Removal from Storage	29
DISMANTLE AND DISPOSE	29
TROUBLESHOOTING	30
SPECIFICATIONS	33
iGen10000H WIRING DIAGRAM	34
WARRANTY	35
WARRANTY AGAINST DEFECTS	35
Proof of Purchase	35
Warrantor	35
Warranty Conditions	35
NOTES	36

SAFETY

SAFETY DEFINITIONS

The words DANGER, WARNING, CAUTION and NOTICE are used throughout this manual to highlight important information. Be certain that the meanings of these alerts are known to all who work on or near the equipment.



This safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alert symbol.



DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates a situation which, if not avoided, could cause damage to the generator, personal property or the environment, or cause the equipment to operate improperly.

NOTE: Indicates a procedure, practice or condition that should be followed in order for the generator to function in the manner intended.

SAFETY SYMBOLS

Symbol	Description
	Safety Alert Symbol

Symbol	Description
	Asphyxiation Hazard
	Burn Hazard
	Burst / Pressure Hazard
	Electrical Shock Hazard
	Explosion Hazard
	Fire Hazard
	Lifting Hazard
	Pinch-Point Hazard
	Don't Leave Tools Around

Symbol	Description
	Keep Away From Fire
	Keep Dry
	Do Not Drop
	Do Not Dump
	Read Manufacturer's Instructions
	Wear Personal Protective Equipment (PPE)
	Read Safety Messages Before Proceeding
	Please Recycle

GENERAL SAFETY RULES

 DANGER	
	Never use the generator in a location that is wet or damp. Never expose the generator to rain, snow, water spray or standing water while in use. Protect the generator from all hazardous weather conditions. Moisture or ice can cause a short circuit or other malfunction in the electrical system.
	Never operate the generator in an enclosed area. Engine exhaust contains carbon monoxide. Only operate the generator outside and away from windows, doors and vents.
	UN3481 Lithium-Ion battery contained in equipment.
	Class 9 miscellaneous hazardous goods.
	Ship by land, sea or air per regulations.
	Declare dangerous goods when shipping.
	Never use or store the generator in any area exposed to rain, snow or other moisture. Never immerse the generator in water or any other liquid.
	Never place the generator close to or in a fire or expose it to extreme heat. Keep out of direct sunlight if possible and safe to do so.
	Never dispose of the battery together with household waste.
	Recycle or dispose of the battery properly.

 WARNING	
	Voltage produced by the generator could result in death or serious injury. • Never operate the generator in rain or a floodplain unless proper precautions are taken to avoid being subject to rain or flood. • Never use worn or damaged extension leads. • Always have a licensed electrician connect the generator to any fixed electrical installation. • Never touch an operating generator if the generator is wet or if you have wet hands. • Never operate the generator in highly conductive areas such as around metal decking or steel works. • Always use earthed extension leads. Always use three-wire or double-insulated power tools. • Never touch live terminals or bare wires while the generator is operating. • Keep animals and children away from the generator at all times.
	Never operate the generator if: powered items overheat; electrical output drops; there are sparks, flames or smoke coming from the generator; or the receptacles are damaged.
	Never attempt to connect more than one generator or other electrical energy source (e.g. mains power supply, solar power system, battery and inverter power system, etc.) concurrently to the same electrical device, extension lead or fixed electrical installation.
	Never use the generator to power medical support equipment.
	Always remove any tools or other service equipment used during maintenance before operating the generator.

⚠ WARNING	
	Petrol fuel liquid and vapours are extremely flammable and explosive under certain conditions. • Always refuel the generator outdoors, in a well-ventilated area. • Never remove the fuel cap while the engine is running. • Never refuel the generator while the engine is running. Always turn engine off and allow the generator to cool before refuelling. • Only fill fuel tank with unleaded petrol. • Keep away from sparks, open flames or other forms of ignition such as matches, cigarettes, CB radios and mobile phones when refuelling. • Never overfill the fuel tank. Leave room for fuel to expand. Overfilling the fuel tank can result in a sudden overflow of fuel and result in spilled fuel coming in contact with hot surfaces. Spilled fuel can ignite. If fuel is spilled on the generator, wipe it up immediately and dispose of rags properly. Allow area of spilled fuel to dry before operating the generator. • Wear eye protection while refuelling. • Never use fuel as a cleaning agent. • Store any fuel containers in a well-ventilated area, away from any combustibles or source of ignition. • Check for fuel leaks after refuelling. Never operate the engine if a fuel leak is discovered. • Equip the operating area with Class ABE or BE and Class F-500 portable fire extinguishers.
	Never operate in a hazardous location, e.g. where there may be a risk of explosion of petrol fumes, leaking gas or explosive dusts.
	Never operate in a confined area where exhaust gases, smoke or fumes could reach dangerous concentrations.

⚠ WARNING	
	Take reasonable care for the health and safety both of yourself and any others who may be affected by your actions. Obey all safety rules and working instructions described herein. You must also use your own good judgement and common sense.

⚠ CAUTION	
	Charge the generator battery to 100% capacity immediately after purchase and thereafter at intervals of no longer than three months.
	Use only the original battery charger and cables supplied with the generator.
	Always keep the generator in an upright position and protected from impact or excessive vibration while being transported.

NOTICE	
Never modify the generator. Never operate the generator if it vibrates at high levels, if the engine speed changes greatly or if the engine misfires often. Always disconnect or switch off electric tools or appliances from the generator before starting.	

SAFETY LABELS

The safety labels have specific positions and must be replaced if they are unreadable, damaged or missing.

Label locations:

Front Top



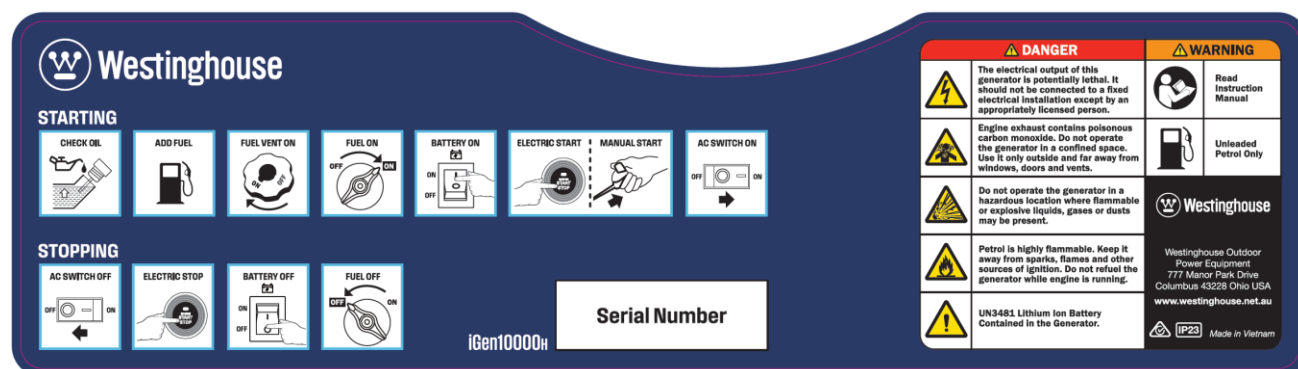
Rear



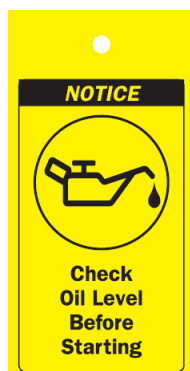
Front Left and Right



Operation Label



Check Engine Oil



Hot Surface Label



Pinch Point Label x 2



UNPACK THE GENERATOR

 WARNING	
	Always have assistance when lifting the generator. The generator is heavy; lifting it could cause bodily harm.
	Avoid cutting on or near staples to prevent personal injury.

1. Carefully cut the packing tape on top of the carton.
2. Fold back top flaps to reveal the upper packing tray.
3. Remove and save the fittings and accessories.
4. Remove and discard the upper packing tray.
5. Carefully cut down along the vertical corners of the carton and fold the sides flat onto the ground.
6. Unfold the top of the plastic bag enclosing the generator.
7. Recycle or dispose of the packaging materials properly.

Included Fittings

Check the fittings against those shown in [Figure 1](#). If any parts are missing, please contact your local Westinghouse dealer.

- Foldable handle
- Wheels (2)
- Feet (2)
- Axles (2) and bolts (4)



Figure 1 Fittings

Included Accessories

Check the accessories against those shown in [Figure 2](#). If any parts are missing, please contact your local Westinghouse dealer.

- Bottle of SAE 10W-30 engine oil (1.1 L)
- Spark plug socket wrench
- Double-ended screwdriver
- 22 x 24 mm ring spanner
- 10 mm socket wrench
- Oil funnel
- Instruction manual
- Battery charger



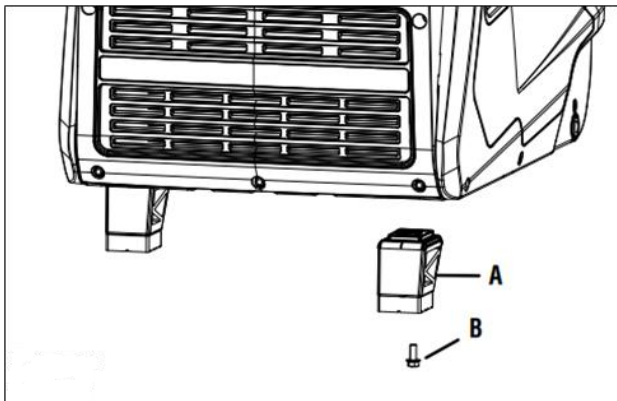
Figure 2 Accessories

ASSEMBLE THE GENERATOR

Attach the Feet

NOTE: This unit ships without oil. The feet and wheels should be installed before adding any oil to the engine. Do not place the generator on its side when there is oil in the engine.

1. Place the generator on its side on a towel or blanket to prevent damage to the case.
2. Locate the feet and bolts.
3. Insert the bolt through the hole in the foot and thread into the hole on the bottom of the generator.
4. Tighten bolts securely using the supplied socket wrench.
5. Repeat these steps to install the second foot.



A – Foot

B – Bolt

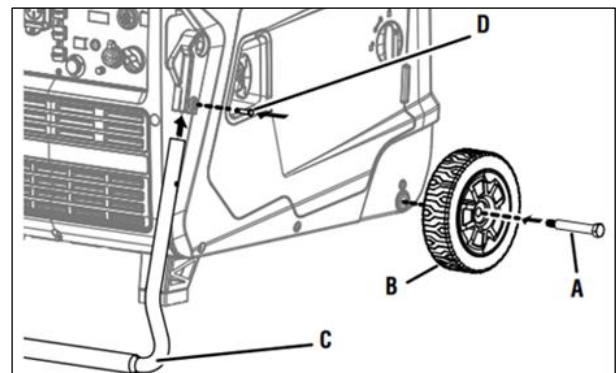
Figure 3 Attach Feet

Attach the Wheels

1. Place the generator on its side on a towel or blanket to prevent damage to the case.
2. Locate the axles and wheels.
3. Insert an axle through the middle of the wheel as shown.
4. Thread the axle into the hole on the side of the generator and tighten securely using the supplied ring spanner.
5. Repeat these steps to install the second wheel.

Attach the Handle

1. Place the generator on a flat, level surface.
2. Locate the handle and bolts.
3. Align the handle with the generator as shown.
4. Insert the handle bolt through the hole on the handle assembly. Tighten securely using the supplied socket wrench.
5. Repeat these steps to attach the other side.



A – Axle

B – Wheel

C – Handle

D – Handle Bolt

Figure 4 Attach the Wheels and Handle

ASSEMBLE

Connect the Internal 12 Volt Battery

 WARNING	
	To avoid electric shock: • Always connect the positive (+) battery cable (red boot) first when connecting battery cables. • Always disconnect the negative (-) battery cable (black boot) first when disconnecting battery cables. • Never connect the negative (-) battery cable (black boot) to the positive (+) terminal on the battery. • Never connect the positive (+) battery cable (red boot) to the negative (-) terminal on the battery. • Never touch both battery terminals simultaneously. • Never place a tool or other metal object across both battery terminals. • Never place a tool or other metal object between either of the battery terminals and any part of the generator. • Always use insulated or non-conducting tools when installing the battery.

1. [Access Right Hand Side.](#)
2. Check that the battery is positioned correctly and securely held in place by screws onto the mounting base (see [Figure 5](#)). Check also that the battery cables are not kinked or pinched.

NOTE: The generator comes equipped with the battery cables already attached to the battery. It is only necessary to assemble the battery wiring harness connector.

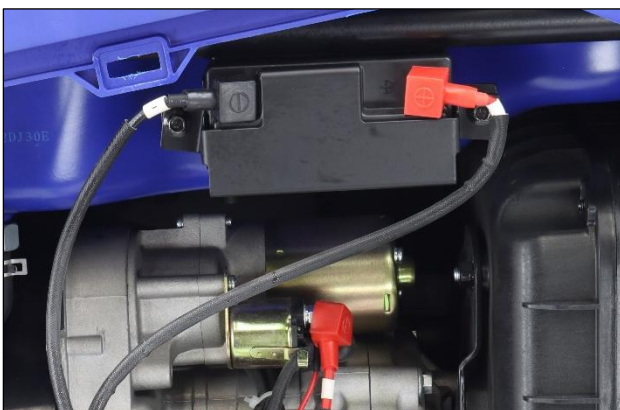


Figure 5 Battery Mounting Inside Generator

3. Locate the two halves of the battery wiring harness connector. Remove their protective rubber plugs and stow these away from any hot-running engine components or where they might interfere with the access cover.
4. Assemble the connector by firmly pushing the two halves together; each of the two male pins should be inserted into the corresponding female socket on the other half of the connector as shown in [Figure 6](#). The connector should be assembled tightly with no appreciable gap left between the two halves.

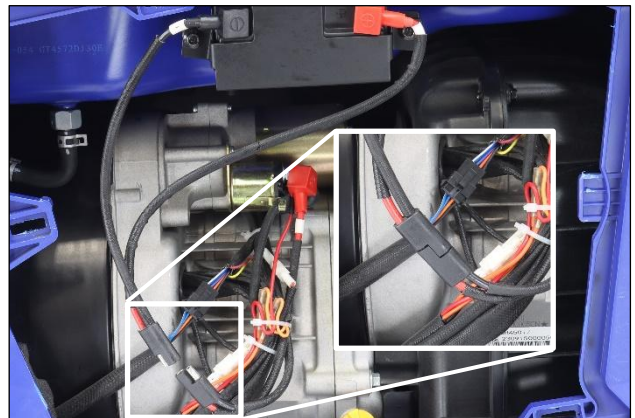


Figure 6 Assemble the Battery Wiring Harness Connector

NOTE: Before starting the generator for the first time when new or after three months of non-use, the onboard battery should be charged. See [Charge The Internal Battery](#) for instructions.

MAIN GENERATOR COMPONENTS



- | | |
|-----------------------------|--------------------------------|
| 1. Fuel Cap and Vent | 8. Control Panel |
| 2. Recoil Starter Handle | 9. Front Carry Handle |
| 3. RHS Access Cover Lock | 10. LHS Access Cover Lock |
| 4. RHS Access Cover | 11. LHS Access Cover |
| 5. Wheel | 12. Muffler and Spark Arrestor |
| 6. Foldable Handle | 13. Outlet Ventilation Panel |
| 7. Inlet Ventilation Grille | 14. Rear Carry Handle |

Figure 7 iGen10000H Main Generator Components

FEATURES

CONTROL PANEL FEATURES

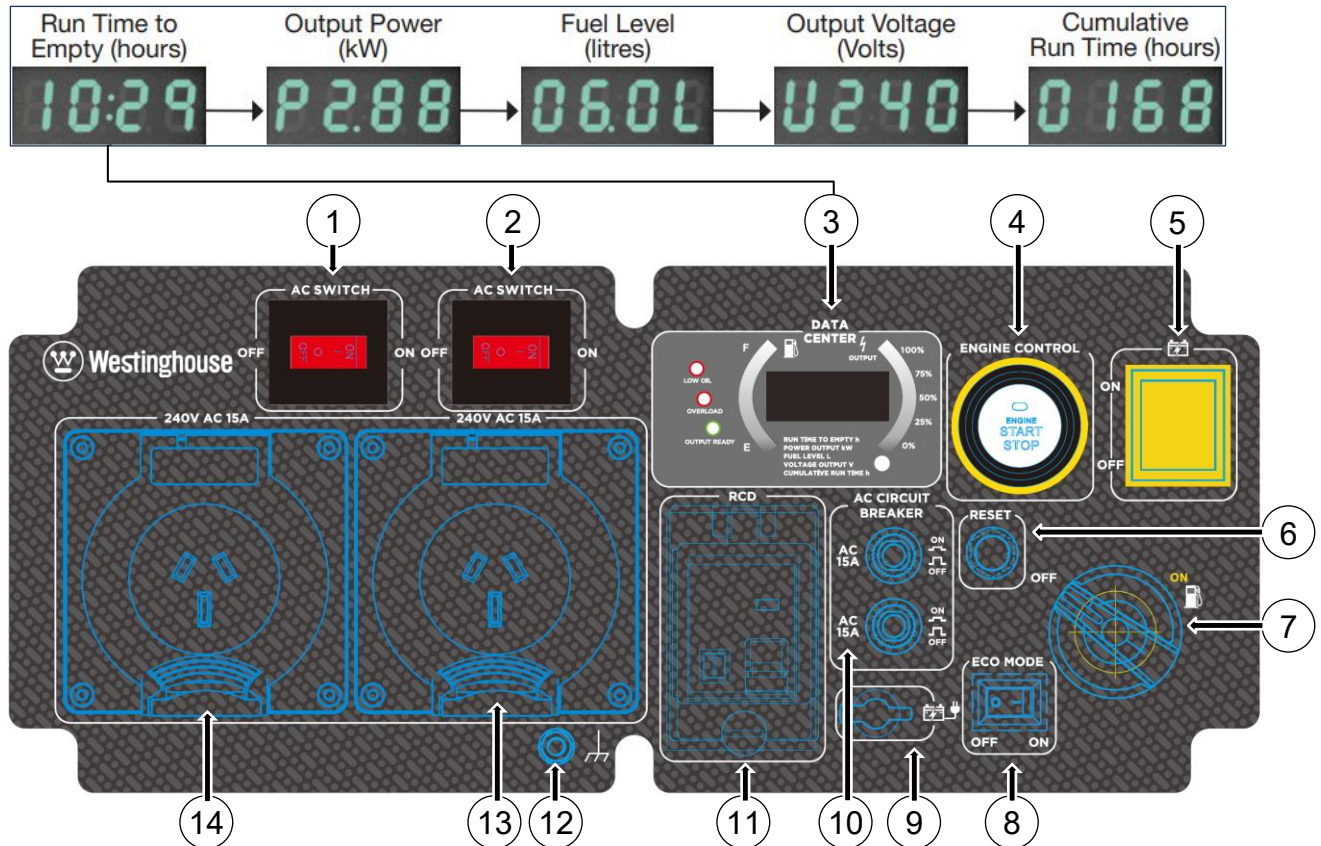


Figure 8 iGen1000H Control Panel Features

1. AC Switch (A):

When in the ON position allows electrical supply to the 240-Volt AC outlet (A).

2. AC Switch (B):

When in the ON position allows electrical supply to the 240-Volt AC outlet (B).

3. Data Center:

Low Oil Alarm: The red warning light will illuminate, and the engine will automatically shut down if the oil level becomes too low. Add oil to the correct level before restarting the engine.

Overload Alarm: The red warning light will illuminate if the generator's AC output is overloaded or short-circuited. A brief small overload may be tolerated, but the connected load should be reduced. An extended large overload or short circuit will trip the overload protection feature and disconnect the generator's AC output even though the engine is still running. Reduce the connected load or rectify the electrical fault before pressing the generator reset button to restore AC output.

Output Indicator: The green status light will illuminate whenever the engine is running and

there's AC output available from the generator.

Alphanumeric LED display: Press Mode Button below the screen to cycle through data display modes.

4. Engine Control Button:

When the battery switch is in the ON position and illuminated red, press and release the engine control button to start or stop the generator.

5. Battery switch:

This must be set to the ON position to enable starting of the generator either manually with the recoil starter or at the push of a button on the control panel or remote-control fob. Moving the switch to the OFF position will stop the generator, if running. The generator can be started or stopped by remote-control whenever the battery switch is in the ON position.

6. Overload Reset:

The generator will automatically switch OFF all AC output to protect the generator if overloaded or if there is a short circuit in a connected appliance.

7. Fuel Switch:

When in the ON position allows fuel supply to the engine.

8. ECO Throttle Switch:

The generator is equipped with ECO throttle control to minimise fuel consumption and noise. In ECO mode, the generator senses the electrical load demand and adjusts the engine speed and power output to match it; if there is no electrical load connected, the engine speed drops down to idle. ECO mode should only be used once the generator has reached normal operating temperature after running for at least five minutes. When starting large inductive loads such as an air conditioner, pump, or welder, ECO mode should be switched off so that the engine speed will be kept higher for maximum electrical starting power availability.

9. Battery Charging Inlet with Cover:

Connect the outlet plug from the supplied battery charger into this socket to charge the generator's battery in situ. The battery charger can be disconnected or switched off before operating the generator, if desired.

10. 240-Volt AC, 15-Amp Circuit Breakers:

Protects the 240-Volt AC outlet (A) and (B) from overload currents above 15 Amps. The circuit breaker will automatically move to the OFF position in the event of a fault and must be manually reset when safe to do so after reducing the applied load or rectifying the electrical fault.

11. Residual Current Device (RCD) Safety Switch:

The generator is equipped with an RCD. An RCD monitors the earth leakage current in a circuit. When a current imbalance is detected, the tripping coil will disconnect the electrical supply to the protected circuit.

12. Frame Terminal:

The frame terminal can be used by a licensed electrician to earth the generator if necessary.

13. 240-Volt AC, 15-Amp IP66 Outlet (A) with Cover.

14. 240-Volt AC, 15-Amp IP66 Outlet (B) with Cover.

OPERATION

APPLICATION

All models within the iGen range of Westinghouse generators are portable, air-cooled, petrol engine driven, self-contained units designed for independent supply of electrical power. They are ideal as a backup power supply in the event of mains power failure or as a remote area power supply for use when camping, caravanning or working out in the field.

For most common applications, users can connect a Westinghouse generator to power electrical devices by detachable plug and socket-outlet connection as described in this manual. The RCD safety switch equipped models offer the best protection against electric shock when operated in this manner.

Westinghouse generators can also be connected to a fixed electrical installation such as in a house or business premises, for example, by a licensed electrician.

NOTE: The RCD safety switch equipped models are not suitable for a connection to a fixed electrical installation. The Multiple Earthed Neutral (MEN) design of the fixed electrical installation causes the RCD to trip continuously.

Ambient Conditions

The generator is designed to operate within the following range of ambient conditions:

- Temperature: -5 to +40°C
- Altitude: Up to 1,000 m

Where possible, the generator should be operated in the shade to prevent additional heat load due to solar radiation.

The engine's power output will decrease by approximately 3.5% for each 300 m increase in altitude above sea level. This is normal for spark-ignition engines and is attributable to the decrease in atmospheric pressure (and thus the available air for combustion) as altitude increases.

Location Selection

Before starting the generator, avoid exhaust and location hazards by verifying that:

- The selected location to operate the generator is outdoors and well ventilated.
- The selected location is a level and solid surface on which to place the generator.
- The selected location is at least 1.8 m away from any building, other equipment or combustible material.

- If the generator is located close to a building, it is not located near any windows, doors or vents.

 DANGER	
Use of a generator indoors can cause death in minutes. Generator exhaust contains carbon monoxide. This is a colourless and odourless poison.	
 	
Never use inside a home or garage, even if doors and windows are open.	Only use outside and far away from windows, doors and vents

 DANGER	
	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.

 WARNING	
	Always operate the generator on a level surface. Placing the generator on a non-level surface can cause the generator to tip over, causing fuel and oil to spill. Spilt fuel can ignite if it comes into contact with an ignition source such as a very hot surface.

NOTICE
Ensure that the generator is always kept upright during handling, operation, storage and transport. Flipping the generator over onto its side, end or top will damage it.

NOTICE
Only operate the generator on a solid, level surface. Operating the generator on a surface with loose material such as sand or grass clippings can cause debris to be ingested by the generator that could: • Block cooling vents • Block air intake system

Weather – Never operate or store your generator outdoors during rain, snow or any combination of weather conditions that could lead to moisture collecting on, in or around the generator.

Dry Surface – Always operate or store the generator on a dry surface free of any moisture.

 DANGER	
	Never use the generator in a location that is wet or damp. Never expose the generator to rain, snow, water spray or standing water while in use. Protect the generator from all hazardous weather conditions. Moisture or ice can cause a short circuit or other malfunction in the electrical system.

No Connected Loads – It is recommended that the generator has no connected loads before starting it to prevent the unintended operation of any such connected devices. This may not be practicable in all applications. To ensure there are no connected loads, either unplug any electrical leads or devices from the 240-Volt AC outlets on the control panel or check that they are switched off.

Extensions Leads – Locate the generator in a convenient place, avoid the use of long extension leads and possible damage to them by pedestrians or vehicles.

Earthing the Generator – The generator's equipotential bonding system including the frame terminal on the control panel should not be connected to the general mass of earth through a separate earth electrode. For more information, refer to AS/NZS 3010:2017 Electrical Installations – Generating Sets or consult a licensed electrician.

 WARNING	
	Make sure the generator is properly installed to reduce the possibility of electric shock. Any connection to an electrical installation such as in a building, for example, must be carried out by a licensed electrician.

PREPARE FOR OPERATION

Add Initial Engine Oil

 WARNING	
	The generator does not contain engine oil as shipped. Attempting to start the engine before adding engine oil can permanently damage internal engine components.

NOTICE	
The generator is equipped with a low oil shutdown switch. If the oil level becomes too low, the engine will shut down automatically and cannot be restarted until the oil is filled to the proper level.	

NOTE: The generator has been functionally tested in the factory and may contain minimum residual oil. Additional oil is required to operate the unit. Do not overfill.

Before starting the generator:

1. [Check Engine Oil](#).
2. [Add Engine Oil](#) when required.

Add Fuel

 WARNING	
	Never refuel the generator while the engine is running. Always push the battery switch to the OFF position before refuelling.

 CAUTION	
	Avoid prolonged skin contact with fuel. Avoid prolonged inhalation of fuel vapours.

NOTICE	
Do not overfill the fuel tank. Spilt fuel may damage some plastic parts.	

With the generator switched off and stationary on a horizontal surface, check the fuel level in the tank visually by removing the fuel cap. It is good practice to always fill the fuel tank before operating the generator.

Required Fuel – Use only unleaded petrol with an octane rating not less than 91 and ethanol content not greater than 10%. Where possible, it is preferable to use unleaded petrol (RON 91) or premium unleaded petrol (RON 95 or 98) and not an ethanol blend such as E10.

Follow the steps below to fill the fuel tank:

1. Clean area around the fuel cap.
2. Turn the fuel cap vent clockwise to the ON position (see [Figure 9](#)).
3. Remove the fuel cap by unscrewing it anti-clockwise.

OPERATION



Figure 9 Fuel Cap Vent in the ON Position

4. Slowly add fuel into the fuel tank. Be careful not to overfill the tank. The fuel level should NOT be higher than the red ring inside the fuel strainer (see [Figure 10](#)).

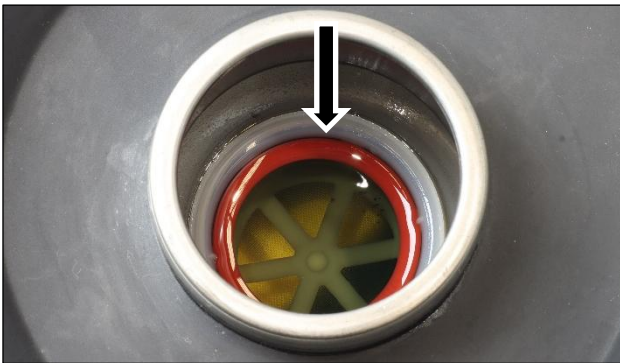


Figure 10 Maximum Fuel Fill Level

5. Fit the fuel cap by screwing it on clockwise.
6. Turn the fuel cap vent anti-clockwise to the OFF position.

START THE GENERATOR

Before starting the generator, make sure that:

- The generator is situated in a proper location (see [Location Selection](#)).
- The ECO throttle control switch is in the OFF position (see [Eco Throttle Control](#)).

NOTE: The primary touch points that the user needs to interact with when starting the generator are identified with yellow-coloured markings.

The first steps irrespective of starting mode are:

1. Turn the fuel cap vent clockwise to the ON position (see [Figure 9](#)).
2. Turn the fuel control switch clockwise to the ON position (see [Figure 11](#)).



Figure 11 Fuel Control Switch in the ON Position

3. Push the battery switch to the ON position (see [Figure 12](#)).



Figure 12 Battery switch in the ON Position

4. Set AC switch, (A) or (B) as required, to the ON position (see [Figure 13](#)).

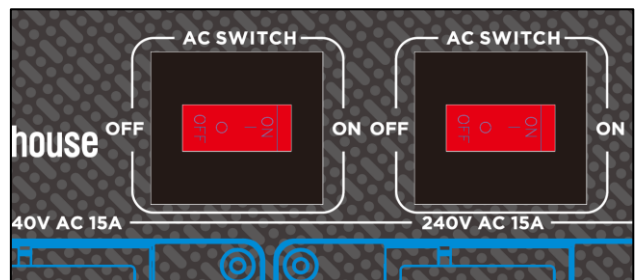


Figure 13 AC Switch (A) and (B)

5. The generator can then be started via:

- [Electric Start](#), or
- [Manual Start](#).

Electric Start

1. Momentarily push and release the engine control button whereupon the electric starter motor will automatically engage and start the engine (see [Figure 14](#)).



Figure 14 Press the Engine Control Button

NOTE: If the engine fails to start on the first attempt, it will automatically retry a second time without any operator intervention. If the engine fails to start after both attempts, the engine control button will flash red. Push the battery switch to the OFF position and then refer to the [Troubleshooting](#) instructions.

- NOTE:** There is no need to alter the starting procedure dependent upon the engine temperature. The generator is equipped with an automatic choke.
2. Connect electrical leads or devices into the 240-Volt AC outlets or switch them on if already connected, as required.

Manual Start

NOTE: It is not possible to manually start the generator if the battery is not connected or is completely discharged (flat). Ensure that the battery is installed and connected before attempting to manually start the generator. Even though the battery may not have sufficient charge to crank the engine using the electric starter, it can still have enough charge to operate the automatic choke and permit manual starting. If the battery is completely discharged or flat, it will need to be either

recharged or replaced with a charged unit before the generator can be started.

1. Firmly grasp the recoil starter handle with your hand and pull it slowly until you feel increased resistance. At this point, pull it briskly up and away from the generator (see [Figure 15](#)). Do not allow the starter handle to snap back against the engine, instead return it gently to prevent starter damage. Do not allow starter cord to rub against other parts of the generator.



Figure 15 Recoil Starter Handle

2. Repeat Step 1 at approximately three-second intervals until the engine starts running.
3. Connect electrical leads or devices into the 240-Volt AC outlet or switch them on if already connected, as required

STOP THE GENERATOR

Normal Operation

During normal operation, use the following steps to stop the generator:

1. Turn the AC switches off and unplug any electrical leads or devices from the 240-Volt AC outlets on the control panel, if practicable.
2. Allow the generator to run unloaded for at least one minute to cool and stabilise the engine and alternator temperatures.
3. Momentarily push and release the engine control button.
4. Push the battery switch to the OFF position.
5. Turn the fuel control switch to the OFF position.
6. Turn the fuel cap vent anti-clockwise to the OFF position.

During an Emergency

If there is an emergency and the generator must be stopped quickly, push the battery switch to the OFF position with haste.

OPERATION

DURING OPERATION

NOTICE

DO NOT overload the generator's 240-Volt AC circuits beyond their rated capacities. This can result in damage to the generator or to the connected devices.

Connect Electrical Loads

The generator can be used to power 240-Volt AC, 50 Hz, single phase. Maintain normal safety precautions with appliances and accessories, as for use when connected to the mains power supply.

Wherever possible, it is recommended to connect 240-Volt AC devices directly to the generator's 240-Volt AC outlet(s). This ensures that the device is supplied with the best quality electricity.

240-Volt AC Loads

240-Volt AC devices can be connected either directly or via electrical extension leads into the 240-Volt AC outlets on the generator's control panel. Lift the spring-loaded weather resistant cover on each outlet for access to connect the electrical lead or device.

240-Volt AC devices may be fitted with either a three-pin (spade) 10 Ampere ("10 Amp" or "10 A") plug, a three-pin (spade) 15 Ampere (typically abbreviated "15 Amp" or "15 A") plug as shown in [Figure 16](#). Certain double-insulated devices may be fitted with a two-pin 10 A plug that doesn't have an earth pin (which is the longer, vertical pin).



A - 15 Ampere

B - 10 Ampere

Figure 16 240-Volt AC Three-Pin Plugs

NOTICE

Do not connect any 240-Volt AC device that will severely overload the 15 Amp outlet. This may damage the generator or connected device.

See [240-Volt Ac Extension Leads](#) for detailed instructions that concern their selection and use.

240-Volt AC Extension Leads

In those instances where it's not practicable or safe to directly plug an electrical device into the

generator, the use of an electrical extension lead may be necessary.

Extension leads should be ordinary or of heavy duty depending on the application, of appropriate current rating, and in any case not less than 1 mm² cross-section of conductor for 10 A fittings, or 1.5 mm² when 15 A fittings are used. They should incorporate an earthing conductor to ensure that there is no voltage difference between the generator and any equipment powered by the generator.

The electrical continuity of the "earthing" core should be checked periodically from pin to socket to ensure continued electrical safety.

Some electrical appliances, e.g. portable drills, are marked  or "double insulated", in which case there will not be an earthing conductor in its supply lead (even though it may have a 3-pin plug).

WARNING



Do not use extension leads with only 2-pin (active and neutral) plugs and sockets. These extension leads lack the earth connection that is provided by a 3-pin plug and socket joined with a 3-core cable; the vertical pin is the earth connection.

Charge External 12 Volt Battery

DANGER



Wet cell batteries produce explosive hydrogen gas while charging. If ignited, the hydrogen gas mixture can explode the battery and cause serious injury or blindness. Only charge a battery in a well-ventilated area away from any sources of ignition such as sparks, open flames, matches, cigarettes, CB radios and mobile phones.



The electrolyte fluid inside a battery contains highly corrosive sulphuric acid, which upon contact with the skin or eyes can cause severe burns or blindness. Always wear protective glasses and clothing – including gloves – when working on a battery. Any electrolyte spill should be thoroughly flushed clean with water.

Use a proprietary mains-powered 12 Volt battery charger in accordance with its operating instructions to ensure an external battery is optimally charged and without risk of damage due to overcharging.

Charge the Internal Battery

When the generator is not in use, the internal 12 Volt battery can be charged using the mains-powered battery charger originally supplied with the generator.

1. Ensure the battery switch is in the OFF position.
2. [Access Right Hand Side.](#)
3. Check that the battery is securely installed and properly connected to the generator.
4. Inspect the battery for any signs of swelling, bulging, leaking, overheating or mechanical damage. If any of these conditions is observed, [Replace the Battery](#) with a new one before proceeding further.
5. Insert the barrel plug end of the battery charger output cable into the battery charging inlet socket on the generator's control panel (see [Figure 17](#)).



Figure 17 Connect the Battery Charger to the Generator

6. Insert the plug pins on the battery charger into a 240-Volt AC mains power outlet socket and then switch it on. The indicator light will illuminate red when battery charging is in progress or green when battery charging is complete (see [Figure 21](#)).



Figure 18 Connect the Battery Charger to Mains Power Supply

NOTE: The indicator light will also illuminate green if the battery charger is energised from a 240-Volt AC power supply and its output is not properly connected to the battery. Check and ensure that the battery charger is properly connected to the generator before switching it on.

7. Monitor the battery during charging for any signs of heat, noise, smell, smoke or physical distortion. If any of these conditions is observed, immediately switch off the battery charger and then replace the battery with a new one before proceeding further.
8. When the indicator light turns green, you can switch off the mains power supply to the battery charger and disconnect it from the generator if desired.
9. Install the RHS access cover.

NOTE: Switch off and disconnect the battery charger before using the generator, if desired, or leave it switched on and connected.

NOTE: Do not plug the supplied battery charger into the generator's 240-Volt AC outlet to charge its onboard battery.

Eco Throttle Control

To activate ECO mode, push the ECO Throttle Switch to the ON position (see [Figure 19](#)) when powering small resistive loads such as a computer or electric light; the engine speed will automatically be kept to a minimum, thereby reducing fuel consumption and noise.

To deactivate ECO mode, push the ECO Throttle Switch to the OFF position when powering large inductive loads such as an air conditioner or electric pump; the engine speed will be kept higher for maximum electrical starting power.



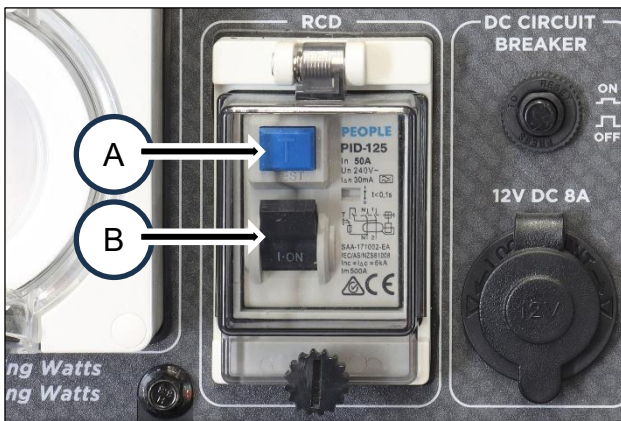
Figure 19 ECO Mode Switch in the ON Position

OPERATION

Residual Current Device (RCD)

The RCD must be tested using the “press button” method before connecting equipment and at least daily when in use.

1. Turn OFF or unplug any electrical leads or devices from the 240-Volt AC outlets on the control panel.
2. Start the generator.
3. Unscrew and lift the RCD cover.
4. Press the TEST button (Figure 20, A) and confirm the RCD trips “without undue delay”.
5. Reset the RCD to ON (Figure 20, B).
6. Reconnect any electrical leads or devices to the receptacles on the control panel and then turn on the electrical loads as required.



A – TEST Button B - Switch

Figure 20 RCD Safety Switch

Overload Reset

An electrical overload or short circuit will trip the overload protection system by disconnecting the generator's AC output even though the engine is still running. If this occurs, the overload alarm light will be illuminated red and the output indicator light will be off. The AC output can be restored as follows:

1. Turn off or unplug any electrical leads or devices from the 240-Volt AC outlets on the control panel.
2. Press the generator reset button on the control panel (see Figure 21) until the overload alarm light goes off and the output indicator light is illuminated green.

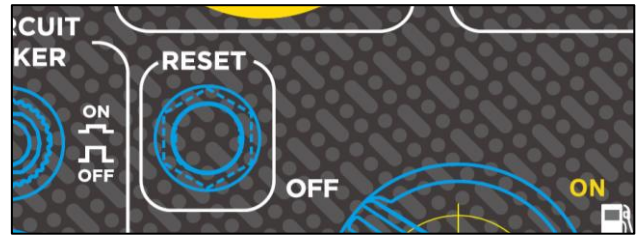


Figure 21 Reset Button

3. Check that the intended electrical running and starting loads do not exceed the generator's capacity or have a licensed electrician rectify any fault causing a short circuit in the load.
4. Reconnect any electrical leads or devices to the outlets on the control panel and then turn on the electrical loads as required.

Clean the Generator

The generator should be kept clean and dry at all times to ensure reliable and safe operation. This must be checked each time before using the generator.

Use a damp cloth which has been soaked in a mixture of household detergent and warm water and then wrung out to remove excess liquid. Wipe the exterior surfaces of the generator clean and then repeat with a damp cloth which has been rinsed in clean water and wrung out. Finish by wiping off all moisture with a dry cloth. Do not use abrasive or solvent cleaners.

A soft, non-metallic bristle brush or a vacuum cleaner may be used to loosen and remove any built-up dirt, mud or other debris. Low pressure compressed air may also be used to blow off any dirt or dust.

Make sure all of the ventilation grilles are clean of any dirt or other debris otherwise the generator may overheat and be damaged.

NOTICE

NEVER use a water hose or pressure washer to clean the generator. Water may enter the fuel or electric systems and damage the generator. The risk of electric shock is also possible.

Transport the Generator

The generator should be stopped, and both the fuel control switch and fuel cap vent should be turned to the OFF position before the generator is transported. Keep the unit level during transport to minimise the possibility of fuel leakage or, if practicable, drain the fuel prior to transport as described in [Drain The Fuel](#).

If the generator has been operating, allow the unit to cool down before loading it onto the transport vehicle.

The wheels are only intended for ease of moving the generator around by hand. The wheels are not suitable for towing the generator either on or off-road.

Use only the generator's fixed handles to lift the unit or attach any load restraints such as ropes or tie-down straps. Do not attempt to lift or secure the generator by holding onto any of its other components, including the foldable handle.

The generator is also equipped with a foldable handle. To deploy it, pull the locking button on the left-hand side (see [Figure 22](#)) and raise the handle to the fully extended position (see [Figure 23](#)). To stow it, pull on the locking button and lower the handle to the fully retracted position. Only extend or retract the handle while the generator is stationary and positioned on a horizontal surface.

The foldable handle is intended for ease of wheeling the generator around by hand. Do not use the foldable handle to lift the generator entirely off the ground, tow it or up-end it.

⚠ CAUTION	
	Do not up-end the generator or place it either on its side or upside down. Fuel or oil may leak out and create a hazardous situation.



Figure 22 Foldable Handle Release



Figure 23 Foldable Handle

MAINTENANCE

MAINTENANCE PRECAUTIONS

 WARNING	
	Avoid accidentally starting the generator during maintenance by removing the spark plug boot from the spark plug and disconnecting the onboard battery.
	Allow hot components to cool to the touch prior to performing any maintenance procedure.
	Internal pressure can build in the engine crankcase while the engine is running. Removing the oil fill plug while the engine is hot can cause hot oil to spray out of the crankcase and cause severe skin burns. Allow engine oil to cool for several minutes before removing the oil fill plug.
	Always perform maintenance in a well-ventilated area. Fuel and fuel vapours are extremely flammable and can ignite under certain conditions.

 CAUTION	
	Avoid skin contact with engine oil or fuel. Prolonged skin contact with engine oil or fuel can be harmful. Frequent and prolonged contact with engine oil may cause skin cancer. Take protective measures and wear protective clothing and equipment. Wash all exposed skin with soap and water.

MAINTENANCE SCHEDULE

 WARNING	
	Failure to perform periodic maintenance or not following maintenance procedures can cause the generator to malfunction and could result in death or serious injury.

NOTICE	
Periodic maintenance intervals vary depending on generator operating conditions. Operating the generator under severe conditions, such as sustained high-load, high-temperature, or unusually wet or dusty environments, will require more frequent periodic maintenance. The intervals listed in the maintenance schedule should be treated only as a general minimum guideline. Use only genuine Westinghouse spare parts or others as specified herein. Non-genuine spare parts may be of inferior quality and cause damage to the generator.	

Following the maintenance schedule is essential to keep the generator in good operating condition. Table 1 provides a summary of routine inspections and maintenance tasks that can be performed by someone with mechanical proficiency using commonly available hand tools. Alternatively, an authorised Westinghouse service dealer can carry out this work for a fee.

Table 1 Maintenance Schedule

Maintenance Item	Before Every Use	After First 20 Hours or First Month *	After 50 Hours or Every 3 Months *	After 100 Hours or Every 6 Months *	After 250 Hours or Every Year *
Engine Oil	Check / Add	Change	–	Change	–
Battery	–	–	Recharge #	–	–
Air Filter	–	–	Clean ^	–	–
Fuel Strainer	Check	–	–	Clean	–
Fuel Filter	–	–	–	–	Replace
Spark Plug	–	–	–	Check / Clean	Replace
Spark Arrestor	–	–	–	Clean	–
Valve Clearance	–	–	–	–	Check / Adjust
Exterior Surfaces	Check / Clean	–	–	–	–
RCD Safety Switch	Test	–	–	–	–

* Whichever occurs first.

^ Service more frequently in dusty conditions.

Recharge after every 3 months of non-use.

BEFORE ANY MAINTENANCE

Before any maintenance is carried out on the generator:

1. [Stop The Generator](#) if running.
2. Let engine cool for several minutes (allow crankcase pressure to equalise).
3. Move the generator to a flat, level surface preferably at a comfortable working height for maintenance.

MAINTENANCE

ACCESS FOR MAINTENANCE

Access Right Hand Side

Remove the Right-Hand Side (RHS) access cover of the generator to gain access to the battery and engine oil.

1. Turn the RHS access cover lock clockwise to the unlocked position (see [Figure 24](#)).



Figure 24 RHS Access Cover Lock in the Unlocked Position

2. Grip and pull away the RHS access cover tab to open and remove the cover (see [Figure 25](#)).



Figure 25 Remove the RHS Access Cover

Access Left Hand Side

Remove the Left-Hand Side (LHS) access cover of the generator to gain access to the air filter, carburettor and spark plug.

1. Turn the LHS access cover lock clockwise to the unlocked position (see [Figure 26](#)).



Figure 26 LHS Access Cover Lock in the Unlocked Position

2. Grip and pull away the LHS access cover tab to open and remove the cover (see [Figure 27](#)).



Figure 27 Remove the LHS Access Cover

ENGINE OIL

Engine Oil Specification

Use premium quality 4-stroke engine oil with an API Service Classification of at least SF. An SAE multigrade viscosity of 10W-30 is suitable for use in ambient temperatures of up to 40°C.

NEVER use 2-stroke engine oil either directly in the engine or mixed with the fuel.

Mineral based, semi-synthetic or fully synthetic oils may be used, but different types of oils should not be mixed. The engine oil supplied originally with the generator is a mineral type with SAE 10W-30 viscosity.

Check Engine Oil

NOTICE

Always maintain proper engine oil level. Failure to maintain proper engine oil level can damage the engine. Always use the specified engine oil. Failure to use the specified engine oil can damage the engine.

Check engine oil level before every use.

1. [Access Right Hand Side.](#)
2. Thoroughly clean around the oil fill plug.
3. Slowly unscrew and remove the oil fill plug.



Figure 28 Remove the Oil Fill Plug

4. Clean the oil fill plug and re-seat it inside the oil fill hole. Do not cross-thread it in the hole.
5. Remove the oil fill plug and verify that the oil level indicated is at or near the high-level mark. [Add Engine Oil](#) if necessary.

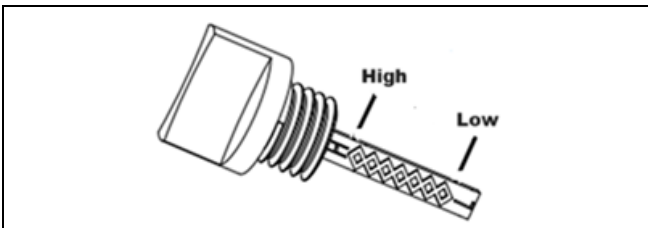


Figure 29 Oil Level Indication

6. Reinstall the oil fill plug.
7. Fit the RHS access cover and turn the lock knob to the locked position to secure.

Add Engine Oil

Select correct engine oil as described in [Engine Oil Specification](#).

1. [Access Right Hand Side.](#)
2. Thoroughly clean around the oil fill plug.
3. Remove the oil fill plug.
4. Screw the supplied oil funnel into the threaded

oil fill plug hole and slowly add engine oil to the engine as shown in [Figure 30](#). Check the oil level periodically to avoid overfilling.

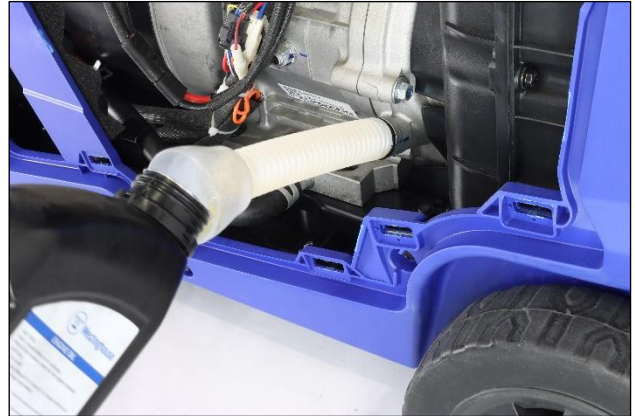


Figure 30 Add Engine Oil

5. Continue to add oil until the oil is at the correct level (see [Check Engine Oil](#)).
6. Unscrew the oil funnel and then reinstall the oil fill plug and access cover.

Drain Engine Oil

Drain the engine oil according to the intervals specified in the [Maintenance Schedule](#).

NOTE: Drain the oil while the engine is warm but not hot. Warm engine oil drains more quickly and thoroughly than cool lubricant. Contact with hot lubricant will cause serious burns.

1. [Access Right Hand Side.](#)
2. Place an oil pan or other suitable container under the oil drain hose.
3. Thoroughly clean around the oil fill plug.
4. Remove the oil fill plug and place on a clean surface.
5. Retrieve the loose end of the oil drain hose and hang it into the oil pan.
6. Unscrew the cap and drain the engine oil.



Figure 31 Drain the Engine Oil

7. Allow oil to drain completely.

MAINTENANCE

8. Screw the cap back onto the drain hose and stow it.
9. Fill crankcase with new oil following the steps outlined in [Add Engine Oil](#).

NOTICE

Never dispose of used engine oil by dumping the oil into a sewer, on the ground, or into groundwater or waterways. Always be environmentally responsible. Follow the guidelines of the government agencies for proper disposal of hazardous materials. Consult local authorities or reclamation facility.

AIR FILTER

WARNING



Never use fuel or other flammable solvents to clean the air filter. Use only household detergent and warm water or alternatively a non-flammable solvent.

NOTICE

Do not operate the generator without an air filter element or with a damaged air filter element. This will allow dirt to enter the engine and cause accelerated wear.

Clean the Air Filter

Clean the air filter according to the interval specified in the [Maintenance Schedule](#).

1. [Access Left Hand Side](#).
2. Remove the air filter cover by pushing down on the two top latches to release the cover (see [Figure 32](#)).
3. Clean the air filter cover with a rag and put it aside.



Figure 32 Remove the Air Filter Cover

4. Remove the foam air filter element while taking care to note its shape and orientation (see [Figure 33](#)). The air filter element must be re-installed later in the same position.



Figure 33 Remove the Air Filter Element

5. Wash the air filter element in a solution of household detergent and warm water or alternatively in non-flammable solvent. Slowly squeeze the foam in the liquid for a thorough cleaning action. Then remove the foam and squeeze out the liquid.

NOTICE

Do not twist or tear the air filter element during cleaning or drying. Apply only a slow and firm squeezing action. Replace the air filter if damaged.

6. Rinse the air filter element by immersing it in fresh water and apply a slow squeezing action.

NOTICE

Never dispose of the used cleaning solution or solvent by dumping it into a sewer, on the ground, into groundwater or into a waterway. Always be environmentally responsible. Follow the guidelines of the governmental agencies for proper disposal of hazardous materials. Consult local authorities or reclamation facility.

7. Dry the air filter element by repeatedly applying a slow firm squeezing action.
8. Coat the air filter element in clean engine oil and thoroughly squeeze out excess liquid.
9. Install the air filter element inside the air filter housing and ensure that the element is correctly positioned.
10. Fit the air filter cover and access cover.

NOTE: Replace the air filter element if it cannot be adequately cleaned.

FUEL SYSTEM

Clean the Fuel Strainer

Check and clean the fuel strainer according to the interval specified in the [Maintenance Schedule](#).

1. Clean area around the fuel cap.
2. Turn the fuel cap vent to the ON position.
3. Remove the fuel cap and set it aside on a clean surface.
4. Remove the fuel strainer by slightly compressing it while removing it from the tank. Keep the fuel strainer vertical so that any trapped liquid or solids do not spill onto the generator.

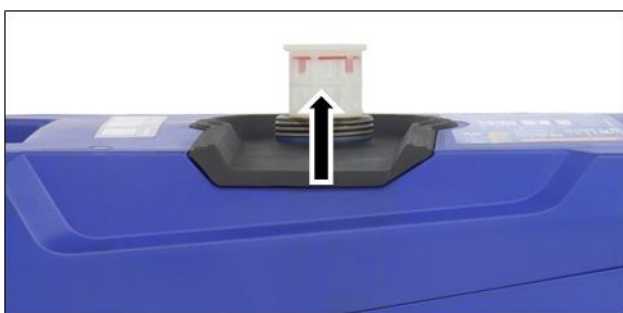


Figure 34 Remove the Fuel Strainer

5. Pour the contents of the fuel strainer into a suitable waste receptacle. Low pressure compressed air can be used if necessary for blowing onto the outside of the strainer mesh to remove any trapped fine grit.
6. Install the fuel strainer by hand inside the filler hole on top of the fuel tank (see Figure 39). Make sure it is fully inserted into the opening.



Figure 35 Install the Fuel Strainer

7. Fit the fuel cap.

Drain the Fuel

Occasionally it may be necessary to drain all the fuel out of the generator. For example, to remove contaminated or stale fuel or to prepare the generator for transport or storage.

Drain the Fuel Tank

1. Turn the fuel switch to the OFF position.
2. Clean area around fuel cap and remove the cap slowly.
3. Remove the fuel strainer by slightly compressing it while removing it from the tank.
4. Use a commercially available fuel hand pump (not included) to siphon the petrol from the fuel tank into an approved container. **DO NOT** use an electric pump.



Figure 36 Drain the Fuel Tank

Drain the Carburettor

1. Turn the fuel switch to the OFF position.
2. [Access Left Hand Side](#).
3. Locate the drain hose extending from the bottom of the carburetor float bowl.
4. Place the bottom end of the hose outside the generator into an approved container to catch the drained fuel.
5. Loosen the float bowl drain screw and allow the fuel to drain.
6. When all the fuel has been drained out, tighten the float bowl drain screw.
7. Route the drain hose between the air cleaner housing and the engine service cover. Install the LHS access cover.
8. Move the storage container and any fuel soaked rags away from the generator.

NOTE: It is preferable to consume the fuel in another engine-powered device straight away or dispose of it properly rather than storing it for a long time with fuel stabiliser for later reuse.

MAINTENANCE



Figure 37 Drain the Carburettor

Run the Carburettor Dry

1. [Drain The Fuel.](#)
2. [Start The Generator.](#)
3. Allow the generator to run until the fuel in the carburettor is depleted and the engine stops.

NOTICE

Never dispose of fuel or fuel contaminants by dumping either of them into a sewer, on the ground, or into groundwater or waterways. Always be environmentally responsible. Follow the guidelines of the governmental agencies for proper disposal of hazardous materials. Consult local authorities or reclamation facility.

Replace the Fuel Filter

Over time, the fuel filter may become dirty or clogged. To reduce the risk of engine failure, replace the fuel filter according to the interval specified in the maintenance schedule.

1. Turn the generator off and allow the engine to cool for 30 minutes.
2. Drain the fuel tank (see [Drain The Fuel](#)).
3. [Access Right Hand Side.](#)
4. Locate the red-coloured fuel filter and note the filter's orientation (see [Figure 38](#)).
5. Using pliers, squeeze the fuel line clips and slide the fuel lines away from the filter.
6. Install the fuel lines onto the new filter. Ensure the fuel filter is oriented correctly.
7. Reinstall the RHS access cover.

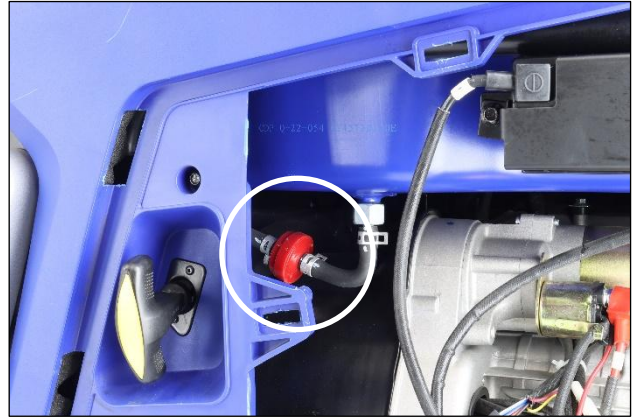


Figure 38 Fuel Filter

SPARK PLUG

Remove the Spark Plug

Check and clean the spark plug according to the intervals specified in the [Maintenance Schedule](#).

1. Turn the generator off and allow the engine to cool for 30 minutes.
2. [Access Left Hand Side.](#)
3. Remove the spark plug boot (see [Figure 39](#)).



Figure 39 Remove the Spark Plug Boot

4. Clean area around the spark plug.

NOTICE

Never apply any side load or move the spark plug laterally when removing the spark plug. Applying a side load or moving the spark plug laterally may crack or damage the spark plug insulator.

5. Use a spark plug socket wrench to remove the spark plug from the cylinder head by unscrewing it anti-clockwise (see [Figure 44](#)).
6. Place a clean rag over the opening created by the removal of the spark plug to make sure no dirt can get into the combustion chamber.



Figure 40 Remove the Spark Plug

Clean and Inspect the Spark Plug

Inspect the spark plug for:

- Cracked or chipped insulator; replace the spark plug.
- Excessive wear of the electrodes; replace the spark plug.
- Excessive carbon or oil fouling of the electrodes; clean the electrodes with a wire brush or replace the spark plug.
- Spark plug gap of 0.7 mm or 0.028 inch (see [Figure 41](#)); after cleaning with a wire brush, check using a spark plug gap tool or feeler gauge and adjust by carefully bending the ground electrode. Always check the gap of a new spark plug before installing it.

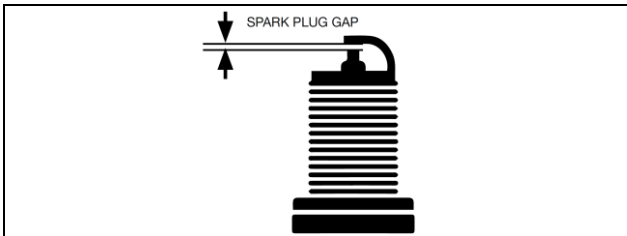


Figure 41 Spark Plug Gap

Install the Spark Plug

NOTE: When replacing the spark plug, use only the specified part as listed in [Table 2](#).

Table 2 Replacement Spark Plug for iGen1000H

Spark Plug Make and Model			
Torch	Bosch	Denso	NGK
F7RTC	-	W22EPR-U	BPR7ES

1. Carefully insert the spark plug back into the cylinder head. Hand screw the spark plug clockwise until it bottoms out (seats).

2. Use a spark plug socket wrench to finish tightening the spark plug.
 - If reinstalling a used spark plug, tighten approximately 1/8 to 1/4 of a turn after the spark plug seats.
 - If installing a new spark plug, tighten approximately 1/4 to 1/2 of a turn after the spark plug seats.
 - The tightening torque should not exceed 17 Nm (13 lb-ft).
3. Fit the spark plug boot. Make sure the boot is fully engaged onto the spark plug terminal.
4. Fit the LHS access cover.

SPARK ARRESTOR

Clean the Spark Arrestor

Check and clean the spark arrestor according to the interval specified in the [Maintenance Schedule](#).

1. Turn the generator off and allow the engine to cool for 30 minutes.
2. Remove the spark arrestor clamp by undoing the two bolts affixing it to the muffler (see [Figure 42](#)).

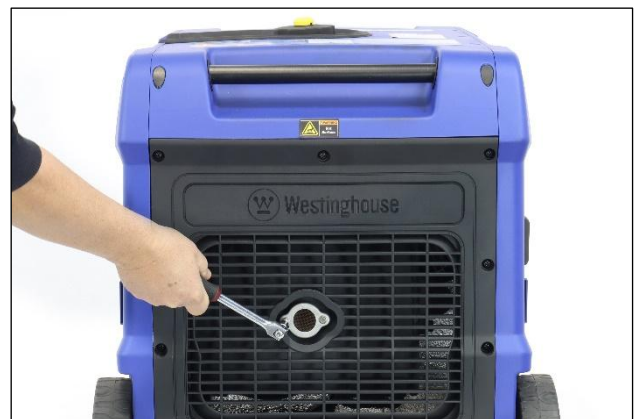
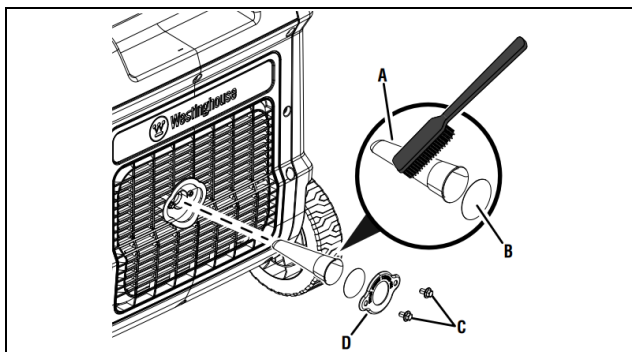


Figure 42 Remove the Spark Arrestor Clamp

3. Remove the screen and spark arrestor (see [Figure 43](#)).
4. Use a wire brush to remove any exhaust deposits that may have collected on the spark arrestor and screen.



A – Spark Arrestor
B – Screen
C – Bolts
D – Clamp

Figure 43 Remove and Clean the Spark Arrestor

5. If the spark arrestor or screen show signs of wear such as rips, tears or large openings, they should both be replaced.
6. Reinstall the spark arrestor components.

VALVE CLEARANCE

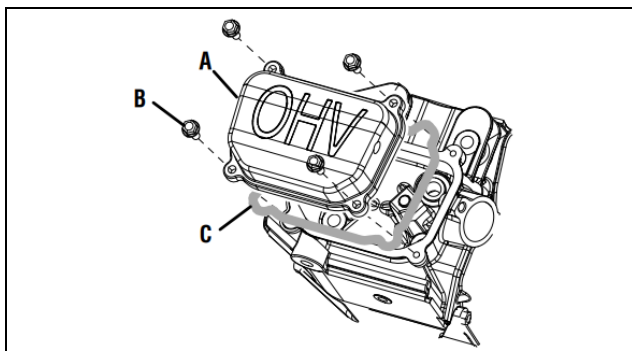
Check and Adjust

NOTICE

The valve clearance should only be checked or adjusted when the engine has cooled to ambient temperature.

Check and adjust the engine valve clearance according to the interval specified in the [Maintenance Schedule](#).

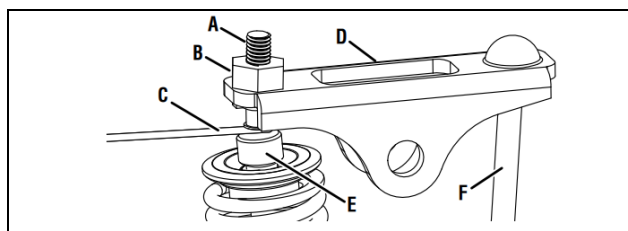
1. [Access Left Hand Side](#).
2. Remove the rocker arm cover and carefully remove the gasket. If the gasket is torn or damaged, it must be replaced (see [Figure 44](#)).



A – Rocker Arm Cover
B – Bolt
C – Gasket

Figure 44 Access for Valve Clearance

3. [Remove The Spark Plug](#) so the engine can be rotated more easily.
4. Pull the recoil handle to rotate the engine to top dead center (TDC). Looking through the spark plug hole, the piston should be at the top (both valves are closed).
5. Both rocker arms should be loose at TDC on the compression stroke. If they are not, rotate the engine 360°.
6. Insert a feeler gauge between the rocker arm and the valve stem to measure valve clearance.



A – Adjustment Screw
B – Lock Nut
C – Feeler Gauge
D – Rocker Arm
E – Valve Stem
F – Push Rod

Figure 45 Set Valve Clearance

	Intake Valve	Exhaust Valve
Valve Clearance	0.1 mm	0.15 mm
Torque	8 – 12 Nm	8 – 12 Nm

7. If an adjustment is necessary, loosen the lock nut.
8. Slide the appropriate feeler gauge between the rocker arm and the valve stem.
9. Tighten the adjustment screw onto the push rod to obtain the specified clearance.

NOTE: You should be able to feel the rocker arm touch the feeler gauge.

10. Hold the adjustment screw in place and tighten the nut.
11. Recheck valve clearance.
12. If no further adjustments are needed, perform this procedure on the other valve.
13. When finished, install the gasket, rocker arm cover, spark plug and LHS access cover.

INTERNAL 12 VOLT BATTERY

The generator's 12 Volt battery is a sealed-for-life Lithium Ion (Li-ion) type that requires no regular maintenance other than charging. It is automatically charged whenever the generator is running.

The battery will self-discharge slowly when not in use and after some time it may not have sufficient charge to start the generator. In such an event, it may be possible to start the generator manually or otherwise it will be necessary to recharge or replace the battery. When left in standby mode, the battery will discharge slightly faster due to the small power consumption of the battery switch indicator light and remote-control signal receiver.

To maximise the battery's working life, the generator should be run at least once per month for 30 minutes to recharge it. If this is not possible, the battery should be fully recharged after no more than 3 months of non-use.

Replace the Battery

It is recommended to use a genuine replacement battery purchased from an authorised Westinghouse Outdoor Power Equipment dealer or service agent for optimum fit and performance.

1. Ensure the battery switch is in the OFF position.
1. [Access Right Hand Side.](#)
2. Disconnect the two halves of the battery wiring harness connector by pulling them apart from one another (see [Figure 6](#)).
3. Remove the screws from the bracket that holds the battery (see [Figure 5](#)).
4. Remove the battery from the generator.
5. Remove the wiring harness from the battery.
6. Fit the wiring harness to the new battery (red lead to positive, black lead to negative).
7. Install the new battery onto the battery mounting base and refit the battery bracket (see [Connect the Internal 12 Volt Battery](#)).
8. [Charge the Internal Battery.](#)

NOTICE

Do not pollute the environment by improper or illegal disposal of the generator battery. Dispose of the hazardous Lithium Ion battery pack intact at an authorised waste collection or recycling facility.

LONG-TERM STORAGE

WARNING



Never store a generator with fuel in the tank indoors or in a poorly ventilated area where the fumes can come into contact with an ignition source such as: a pilot light of a stove, water heater, clothes dryer or any other gas appliance; or a spark from an electric appliance.

NOTICE

Fuel stored for as little as 30 days can go bad, causing gum, varnish and corrosive build-up in fuel lines, fuel passages and the engine. This corrosive build-up restricts the flow of fuel, preventing an engine from starting after a prolonged period of storage. The most commonly experienced faults with portable generators are directly attributable to contaminated or stale fuel. Such faults are not covered by the generator's warranty.

The generator should be run at least once per month for 30 minutes under no less than one-third load. If this is not possible, the generator should be prepared for long-term storage as described hereunder.

Proper care should be taken to prepare the generator for any long-term storage. This will protect the generator's function and appearance and will make it easier to start when next required.

Storage for 1 - 3 Months

1. [Clean The Generator.](#)
2. Add a proprietary fuel stabiliser to the fuel tank and then [Add Fuel](#) up to the tank's maximum capacity.

NOTE: Follow the manufacturer's recommendation for correct amount of stabiliser to add.

3. [Start The Generator](#) and run it for 10 minutes to ensure that treated fuel is distributed throughout the engine's fuel system.
4. [Stop The Generator.](#)
5. Turn both the battery switch and the fuel control switch to the OFF position if not already done in Step 4.
6. Turn the fuel cap vent to the OFF position.
7. Allow the unit to cool down and then move it to a clean, dry place for storage.

MAINTENANCE

Storage Greater than 3 Months

1. [Clean The Generator](#).
2. [Drain The Fuel](#).
3. [Start The Generator](#), if possible, and run the engine without load until it stops when the last remnants of fuel have been used.
4. [Drain Engine Oil](#).
5. [Remove The Spark Plug](#) and pour a tablespoon of clean engine oil into the spark plug opening. While placing a clean rag over the spark plug opening, slowly pull the recoil starter handle to rotate the engine several times. This will distribute the oil and protect the cylinder wall from corrosion during storage.
6. [Install The Spark Plug](#).
7. Slowly pull the recoil starter handle until resistance is felt, at which point the piston is coming up on its compression stroke and both the intake and exhaust valves are closed. Storing the engine in this position will help to prevent internal corrosion.
8. Move the unit to a clean, dry place for storage.
9. [Charge The Internal Battery](#) using the supplied battery charger after every 3 months of non-use.

Removal from Storage

Follow the normal procedures to [Prepare For Operation](#).

Use only fresh fuel to [Add Fuel](#), if necessary, rather than re-using any old fuel.

If oil was inserted into the cylinder prior to storage, the exhaust may smoke for a short while after starting the generator; this is normal and will cease within a minute or so of running time.

DISMANTLE AND DISPOSE

There is no requirement for the generator to be dismantled during normal operation other than for major repair / overhaul or prior to final disposal at the end of its service life.

Dismantling should only be carried out by a mechanically proficient person with access to proper tools or alternatively by your authorised Westinghouse service dealer for a fee.

Before dismantling:

1. [Stop The Generator](#).
2. [Drain Engine Oil](#).
3. [Drain The Fuel](#).

NOTICE

Do not pollute the environment by improper or illegal disposal of the waste fluids. Dispose of these hazardous items only at an authorised waste collection / recycling facility.

Do not pollute the environment by improper or illegal disposal of the generator either as a whole or in parts. Take the unwanted unit or components to your local recycling centre instead. The generator is made almost entirely of metals that can be recycled.

WARNING



Before attempting to service or troubleshoot the generator, the owner or service technician must first read and understand this instruction manual and comply with all safety instructions. Failure to follow all instructions may result in conditions leading to voiding of the product warranty, serious personal injury, property damage or even death.

PROBLEM	POTENTIAL CAUSE	SOLUTION
Engine will not start or starts and runs rough.	Low oil level.	Check oil level and add oil if necessary.
	Generator is out of fuel.	Check fuel level and add fuel if necessary.
	Fuel is stale or contaminated with water or other foreign substance.	Drain fuel and refill with fresh fuel.
	Electrical load connected to generator.	Unplug or switch off any electrical leads or devices from the 240-Volt AC receptacles.
	Fuel cap vent is in the OFF position.	Turn fuel cap vent to the ON position.
	Fuel control switch is in the OFF position.	Turn fuel control switch to the ON position.
	Battery switch is in the OFF position.	Push battery switch to the ON position.
	Battery is excessively discharged, faulty or not connected.	Recharge, replace or reconnect the battery.
	Spark plug boot is not properly connected onto spark plug terminal.	Push spark plug boot firmly onto spark plug.
	Spark plug is dirty or faulty.	Clean or replace spark plug.
	Air filter is dirty or blocked.	Check air filter element and clean if necessary.
	Spark arrestor is dirty or blocked.	Check spark arrestor and clean if necessary.
	If above possible causes are checked and eliminated, generator may be faulty.	Take generator to an authorised Westinghouse service dealer.
Electric starter will not crank engine fast enough or at all.	Discharged battery.	Recharge internal battery using the supplied battery charger.
	Faulty battery.	Replace internal battery.
	Battery switch is in the OFF position.	Push battery switch to the ON position.
	If above possible causes are checked and eliminated, generator may be faulty.	Take generator to an authorised Westinghouse service dealer.

TROUBLESHOOTING

PROBLEM	POTENTIAL CAUSE	SOLUTION
Engine is running, but no 240-Volt AC output is available.	If output indicator light is blinking green, generator is still in starting mode and not yet delivering electrical output.	Wait 5 seconds for the generator to warm up, stabilise and commence output. No fault.
	If output indicator light is continuously green, 240-Volt AC output should be available.	Check connected electrical lead(s) or appliance(s) as described below.
	AC main switch is in the OFF position.	Push AC main switch left to the ON position.
	The RCD safety switch is in the OFF position.	Disconnect all electrical leads and devices from the generator and push the RCD safety switch to the ON position. If the Switch subsequently trips to the OFF position after connecting an electrical lead or device, then that lead or device is most probably defective and should not be used.
	Connected electrical lead or appliance plug is not properly inserted into 240-Volt AC outlet socket.	Check connected electrical lead or appliance plug is fully inserted into 240-Volt AC outlet socket.
	Connected electrical lead or appliance is faulty.	Connect known functioning appliance directly into generator's 240-Volt AC outlet socket to verify electrical output.
	If output indicator light is not illuminated, there is no 240-Volt AC output available. In such case: - If overload alarm light is not illuminated, generator may be faulty. - If overload alarm light is red, there is an overload or short circuit in the connected 240- Volt AC load.	- Disconnect all electrical leads and devices from generator and press the generator reset button. If unresolved, stop and restart engine with ECO throttle switch in the OFF position. If still unresolved, take generator to an authorised Westinghouse service dealer. - Disconnect all electrical leads and devices from generator and press the generator reset button. If unresolved, stop and restart engine with ECO throttle switch in the OFF position. Reconnect and test run 240-Volt AC loads individually; any single lead or device that trips overload alarm is either faulty or too great a load for the generator. Any faulty device must not be used further until checked and approved by a licensed electrician. Check running and starting power demands of total connected electrical load versus generator's rating.
	If above possible causes are checked and eliminated, generator may be faulty.	Take generator to an authorised Westinghouse service dealer.

TROUBLESHOOTING

PROBLEM	POTENTIAL CAUSE	SOLUTION
Engine stops during operation.	Generator is out of fuel.	Check fuel level and add fuel if necessary.
	Fuel is contaminated with water or other foreign substance.	Drain fuel and refill with fresh fuel.
	Fuel cap vent is in the OFF position.	Turn fuel cap vent to the ON position.
	Fuel control switch is in the OFF position.	Turn fuel control switch to the ON position.
	Low oil level.	Check oil level and add oil if necessary.
	Spark plug boot is not properly connected onto spark plug terminal.	Push spark plug boot firmly onto spark plug.
	If above possible causes are checked and eliminated, generator may be faulty.	Take generator to an authorised Westinghouse service dealer.
Engine runs erratically or does not hold steady speed.	Power demand of connected 240-Volt AC load may be varying.	Engine speed varies when electrical load changes; this is normal operation. It is most noticeable when ECO throttle switch is in the ON position. Try pushing the ECO throttle switch to the OFF position. No fault.
	If output indicator and overload alarm are both illuminated, there is an overload in the connected 240-Volt AC load.	Switch off or unplug connected 240-Volt AC device(s) to reduce electrical power demand.
	Engine is not warm enough.	Disconnect all electrical leads and appliances from generator. Allow engine to run for at least 2 minutes after the engine control switch has been moved to the ON position before reconnecting electrical loads.
	Fuel is stale or contaminated.	Drain fuel and refill with fresh fuel.
	Air filter is dirty or blocked.	Check air filter element and clean if necessary.
	If above possible causes are checked and eliminated, generator may be faulty.	Take generator to an authorised Westinghouse service dealer.

SPECIFICATIONS

	PARAMETER	iGen10000H
ENGINE	Type	1-Cylinder, 4-Stroke, Overhead Valve, Air Cooled
	Displacement (cm ³)	457
	Max. Speed (rpm)	3,600
	Oil Capacity (L)	1.1
	Oil Viscosity	SAE 10W-30
	Low Oil Shutdown	Yes
	Spark Plug	Torch F7RTC
	Spark Plug Gap (mm)	0.60 - 0.80
	Fuel	Unleaded Petrol [‡] (91, 95 or 98 RON)
	Fuel Tank Capacity (L)	30
	Fuel Gauge	Yes ^Δ
	Starting Method	Electric or Recoil
	Inlet Valve Clearance - Cold (mm)	0.08 - 0.12
	Exhaust Valve Clearance - Cold (mm)	0.13 - 0.17
240 V AC ELECTRICAL	Voltage (V)	240
	Frequency (Hz)	50
	Number of Phases	1
	Continuous Running Power (W) *	8,200
	Maximum Starting Power (W)	10,000
	Continuous Running Current (A)	34.2
	Voltage & Waveform Control	Digital Inverter, Pure Sine Wave Output
	Receptacle(s)	2 x 15 A, IP66
	Overload Protection	Electronic
	Alternator	Brushless, Permanent Magnet
	Output Power Meter	Yes ^{#Δ}
12 V DC ELECTRICAL	Voltage (V)	12
	Maximum Current (A)	0
	Maximum Power (W)	0
	Receptacle(s)	NA
	Battery	Lithium Ion Type, 12 V, 96 CCA, 19.2 Wh
DIMENSIONS & WEIGHT	Length (mm)	767
	Width (mm)	630
	Height (mm)	675
	Weight - Dry (kg)	85
	Weight - Wet (kg)	109

* Rated output at 1.0 power factor.

Output ready indicator light equipped.

[‡] Ethanol blends such as E10 are not recommended.

^Δ Displayed on the Data Center



WARRANTY AGAINST DEFECTS

Proof of Purchase

It is recommended that you keep a copy of the original tax invoice for your records.

Warrantor

Name: Westinghouse Outdoor Power Equipment (ABN 21101370085)
Address: 19 Corymbia Place
Parkinson, 4115, Australia
Phone: 1800 453 626
Email: info@wpowereq.com.au
Web: westinghouseoutdoorpower.com.au

Warranty Conditions

Westinghouse Outdoor Power Equipment (the "Company") warrants that its Westinghouse portable electric generators (the "Goods") shall be free from defects in material and workmanship for a period of two years (2) years or five hundred (500) operating hours, whichever occurs first, from the date of original sale (hereinafter the "Warranty Period") in normal domestic applications such as personal, residential household or recreational use.

A Warranty Period of one (1) year or five hundred (500) operating hours, whichever occurs first, shall apply in commercial applications such as income producing, rental or other business-related use. Goods sold to a Consumer with an Australian Business Number shall be deemed as being used in a commercial application.

The Warranty Period is continuous from the date of original sale and does not restart upon the repair or replacement of the Goods or any part thereof.

Upon return – transportation charges prepaid by the Consumer – to the Company's or its nominated dealer's premises within the Warranty Period, the Company shall repair or replace, at its option, any Goods which it determines to contain defective material or workmanship and shall return said Goods to the Consumer free-on-board (FOB) at the Company's or agent's premises. The repair or replacement work will be scheduled and performed according to the Company's normal workflow and availability of replacement parts.

The Company shall not be obligated, however, to repair or replace Goods which have been: repaired by others; abused; improperly installed, operated, maintained, repaired, transported or stored; not serviced to schedule using genuine spare parts; altered or otherwise misused or damaged in any way.

The Company shall not be responsible for any diagnosis, communication, dismantling, packing, handling, freight, and reassembly or reinstallation charges.

Freight damage, pre-delivery service, normal operating adjustments, preventative maintenance service, consumable items, cosmetic damage, corrosion, erosion, normal wear and tear, performance, merchantability, and fitness for a particular purpose are not covered under this Warranty. Consumable items include batteries, filters, fuel, lubricants and spark plugs.

The Company shall not be liable for any repairs, replacements, or adjustments to the Goods or any costs of labour performed by the Consumer or others without the Company's prior written approval.

To the extent permissible by law and notwithstanding any other clause in these Warranty Conditions, the Company excludes all liability whatsoever to the Consumer arising out of or in any way connected with a contract for any consequential or indirect losses of any kind howsoever arising and whether caused by breach of statute, breach of contract, negligence or other tort.

The Company's liability will be limited to, in the case of products, the replacement of the products, the supply of equivalent products or the payment of the cost of replacing the products or of acquiring equivalent products or, in the case of services, the supply of the services again or the payment of the cost of having the services supplied again. The choice of remedy will be at the discretion of the Company and the Consumer acknowledges that this limitation of liability is fair and reasonable.

This Warranty is available only to the original Consumer bearing the original tax invoice from the Company or one of its authorised dealers as proof of purchase. Goods purchased from any other party such as a private seller, auction house, eBay seller, etc. are not covered by this Warranty.

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 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.

[illegible]

NOTES



Westinghouse Outdoor Power Equipment
19 Corymbia Place
Parkinson QLD 4115 Australia

© 2026 All rights reserved. Content may change without notice.
® and Westinghouse are trademarks of Westinghouse Electric Corporation
used under license by Westinghouse Outdoor Power Equipment.

2026-06-02