

ecoGen10000

PORTABLE GENERATOR

7600 RUNNING WATTS | 10000 PEAK WATTS

DO NOT RETURN THIS PRODUCT TO THE STORE
If you have questions or need assistance, please call customer
service at 855-944-3571.

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INTRODUCTION

⚠ WARNING Operating, servicing, and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, and wear gloves or wash your hands frequently when servicing this equipment. For more information go to www.P65warnings.ca.gov.

DISCLAIMERS

All information, illustrations, and specifications in this manual were in effect at the time of publishing. The illustrations used in this manual are intended as representative reference views only. We reserve the right to make any specification or design change without notice.

ALL RIGHTS RESERVED

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⚠ DANGER Read this manual before using or performing maintenance on this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death.

UPDATES

The latest User Manual for your Westinghouse products can be found under our support tab. <https://westinghouseoutdoorpower.com/pages/manuals>

Or scan the following QR code with your smartphone camera to be directed to the link.



PRODUCT REGISTRATION

For trouble-free warranty coverage, it is important to register your Westinghouse product.



You can register by:

- Completing and mailing the product registration card included in the carton.
- Registering your product on-line at: <https://westinghouseoutdoorpower.com/pages/warranty-registration>
- Scanning the above QR code with your smartphone camera to be directed to the mobile registration link.

For Your Records	
Date of Purchase:	_____
Model Number:	_____
Serial Number:	_____
Place of Purchase:	_____

- Sending the following product information to:
Westinghouse Outdoor Power
Warranty registration
777 Manor Park Drive
Columbus, OH 43228

IMPORTANT: Keep your purchase receipt for trouble-free warranty coverage.

INTRODUCTION

SPECIFICATIONS

AC Voltage.....	120V/240V	Fuel Capacity.....	5.28 gallons (20 liters)
Power (Running).....	7600W	Oil Capacity	1.16 quarts (1.1 liters)
Power (Peak).....	10000W	Oil Type	SAE 10W-30
Frequency.....	60 Hz	Spark Plug	Torch F7TC
Phase	Single	Spark Plug Gap	0.024–0.032 in. (0.60–0.80 mm)
RPM.....	3600	Valve Intake Clearance.....	0.0031–0.0047 in. (0.08–0.12 mm)
Power Factor	1.0	Valve Exhaust Clearance	0.0051–0.0067 in. (0.13–0.17 mm)
Insulation Class	F	AC Grounding System.....	Bonded to frame
Maximum Ambient Temperature	104°F (40°C)		
Fuel Type.....	Unleaded gasoline 87–93 Octane*		

NOTICE

This product is designed and rated for continuous operation at ambient temperatures up to 104°F (40°C). If needed, this product can be operated at temperatures ranging from 5°F (–15°C) to 122°F (50°C) for short periods. If the product is exposed to temperatures outside of this range during storage, it should be brought back within this range before operation. This product must always be operated outdoors in a well-ventilated area and far away from doors, windows, and other vents.

Maximum wattage and current are subject to and limited by such factors as fuel BTU content, ambient temperature, altitude, engine conditions, etc. Maximum power decreases about 3.5% for each 1,000 feet above sea level, and will also decrease about 1% for each 10°F (6°C) above 60°F (16°C) ambient temperature.

NOTICE

Even with a carburetor modification, engine horsepower will decrease about 3.5% for each 609.6 meter (2,000 foot) increase in altitude. The effect of altitude on horsepower will be greater if no carburetor modification is made. A decrease in engine horsepower will decrease the power output of the generator. Contact our service team to order altitude kits.

NOTICE

Thank you for choosing Westinghouse! PLEASE READ BEFORE RETURNING THIS PRODUCT FOR ANY REASON.

If you have a question or experience a problem with your Westinghouse purchase, call us at 1-855-944-3571 to speak with an agent.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

HAVE QUESTIONS?

Email us at service@wpowerreq.com
or call 1-855-944-3571

SAFETY

SAFETY DEFINITIONS

The words DANGER, WARNING, CAUTION, and NOTICE are used throughout this manual to highlight important information. Make sure that the meanings of this safety information is known to all who operate, perform maintenance on, or are near the generator.



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 alerts 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 can cause damage to the generator, personal property, and/or the environment, or cause the equipment to operate improperly.

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

SAFETY SYMBOLS

Follow all safety information contained in this user's manual as well as the information on the product labeling.

SYMBOL	DESCRIPTION
	Safety Alert Symbol
	Fire Hazard
	Electrical Shock Hazard
	Burn Hazard. Do not touch hot surfaces.
	Asphyxiation Hazard
	Do Not Operate in Wet Conditions
	Read Manufacturer's Instructions
	Maintain Safe Distance
	Ground. Consult with electrician to determine grounding requirements before operation.
	Carbon Monoxide

SAFETY

IMPORTANT SAFETY INSTRUCTIONS

⚠ DANGER Generator exhaust contains high levels of carbon monoxide (CO), an invisible, odorless, and extremely poisonous gas. If you smell exhaust fumes, you are breathing carbon monoxide. But, even if you do not smell exhaust fumes you may be inhaling CO.

ONLY operate generators outside, in a well-ventilated area. NEVER operate generators indoors, doing so CAN KILL YOU IN MINUTES.

- **Correct Use** – ONLY use generators outside and downwind, far away from windows, doors and vents. ALWAYS direct exhaust away from occupied spaces. ALWAYS install battery-powered carbon monoxide detectors or plug-in carbon monoxide detectors with battery back-up in living areas. See Figure 1.
- **Incorrect Use** – NEVER use a generator in your home, garage, basement, attic, crawl space or any other fully or partially enclosed area. Areas such as these can allow dangerous levels of carbon monoxide to accumulate. An open door or a running fan WILL NOT provide adequate ventilation. See Figure 2.

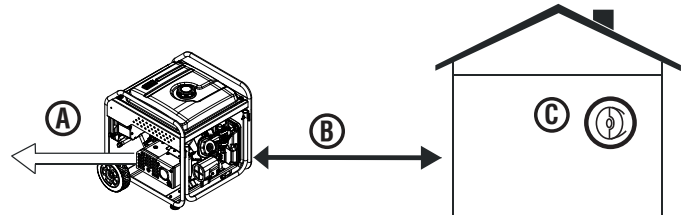
If you start feeling dizzy, weak, or sick while using the generator, move to fresh air IMMEDIATELY. Contact a doctor. You may be experiencing carbon monoxide poisoning.

⚠ DANGER Fire and electrocution hazard. Do not connect to a building's electrical system unless the generator and a transfer switch have been properly installed and the electrical output has been verified by a qualified electrician. The connection must isolate the generator power from utility power and must comply with all applicable laws and electrical codes. Failure to properly isolate the generator power could cause property damage and create a dangerous backfeed of electricity which could kill or seriously injure utility workers.

⚠ DANGER Electrocution hazard. 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 circuit.

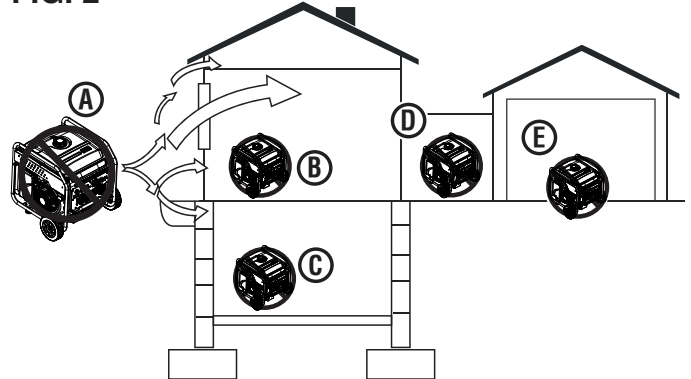
⚠ WARNING Familiarize yourself with all the instructions, safety warnings, illustrations, and specifications provided with this product. Failure to follow the manufacturer's instructions may result in electric shock, fire, and/or carbon monoxide poisoning that can lead to death or serious injury.

FIG. 1



- A - Exhaust (CO)
- B - Only use OUTSIDE and FAR AWAY from windows, doors, and vents
- C - CO detectors in living areas

FIG. 2



- A - Exhaust (CO)
- B - Living area
- C - Basement crawlspace
- D - Entryway/porch/mudroom
- E - Garage

NOTICE

Install battery-powered carbon monoxide detectors or plug-in carbon monoxide detectors with battery back-up in living areas.

- This product should ONLY be used outdoors.
- NEVER use a generator in your home, garage, basement, attic, crawl space or any other fully or partially enclosed area. Areas such as these can allow dangerous levels of carbon monoxide to accumulate. Carbon monoxide (CO), an invisible, odorless, and extremely poisonous gas CAN KILL YOU IN MINUTES.
- Only use OUTSIDE and far away from windows, doors, and vents as recommended by the US Department of Health and Human Services Centers for Disease Control and Prevention. Your specific home and/or wind conditions may require additional distance.
- The National Electrical Code requires the use of a transfer switch or other suitable transfer equipment whenever a portable generator is connected to a building's electrical system. Transfer switches isolate generator power from utility power and prevent backfeeding of electric power into the utility system.

NOTE: A transfer switch must be installed by a qualified electrician in accordance with applicable electrical codes. Some jurisdictions may require the installation

SAFETY

to be inspected by local authorities. Keep all relevant installation, inspection, and maintenance information.


- Never use the generator to power medical support equipment.
- Never expose the generator to rain, snow, water spray, or standing water while in use. Store and operate the unit in a dry or covered (but not enclosed) location.
- Do not let children or untrained individuals operate the generator.
- Keep children, bystanders, and pets a minimum of 10 ft. away from a running generator.
- Maintain Safe Distance. While operating and storing, keep at least five feet of clearance on all sides of the generator, including overhead. Turn the unit off and allow it to cool a minimum of 30 minutes before storage. Heat created by the muffler and exhaust gases could be hot enough to cause serious burns and/or ignite combustible objects.
- Do not operate the unit in areas where combustible or hazardous materials are stored including gasoline and natural gas filling stations.
- Do not operate the generator while barefoot, with wet hands or feet, while standing in water or in wet conditions.
- Do not use this unit when you are tired or under the influence of drugs, alcohol, or medication.
- Burn Hazard. Do not touch hot surfaces.
- Do not contact the muffler or engine. They are very HOT and will cause severe burns. Do not put body parts or any flammable or combustible materials in the direct path of the exhaust.
- Keep hands, fingers, feet, and other body parts away from all moving parts of the generator.
- Do not connect worn or damaged electrical cords to the generator. NEVER touch frayed or exposed wires.
- Do not operate the generator on an incline. The unit should always be placed on a flat, stable surface with a slope no greater than 4°.
- Check the physical condition of the product prior to each use. Look for loose bolts, fluid leaks, and other signs of wear. Replace all damaged items. For replacement parts or assistance, contact our customer service team.
- For optimal performance, use the generator in temperatures between 23°F (-5°C) and 104°F (40°C) with a maximum relative humidity of 90%.
- Before starting the generator, check all fluids (oil and gasoline).
- Do not remove the oil dipstick or fuel cap when the generator is running.
- Securely tighten the oil dipstick after adding oil and the fuel cap after adding gasoline.
- Avoid skin contact with engine oil or gasoline. Wear protective clothing and equipment. Wash all exposed skin with soap and water. Prolonged skin contact with


gasoline or engine oil may cause severe skin irritation and other adverse reactions.

- Generator's vibrate and bounce during normal operation. Check the generator and all of the cords connected to it for any damage that may have resulted from the vibration. Replace or repair damaged items as needed. Do not use the generator or any items that show signs of damage.
- All electrical tools and appliances operated from this generator must be properly grounded by use of a third wire or be double-insulated.
- Before transporting the generator, disconnect the spark plug boot, drain the fuel tank and properly restrain the unit.
- Fuel or oil may leak from the generator during transport. Place a towel, plastic sheet, or absorbent pad beneath the unit to protect your vehicle.
- To prolong the life of this product, follow the instructions in the *Care and Maintenance* section of this manual.
- Replace damaged or worn items with recommended or equivalent replacement parts. Using an incorrect or incompatible part might create a hazard that could result in serious personal injury.
- Always remove any tools or other service equipment used during maintenance away from the generator before operating.

GROUNDING

See Figure 3.

 **WARNING** Shock hazard. Failure to properly ground the generator can result in electric shock.

 **NOTICE** Only use grounded 3-prong extension cords, tools, and appliances, or double-insulated tools and appliances.

The generator neutral is bonded to the frame. There is a permanent conductor between the generator (stator wire) and the frame. If this generator will be used only with cord and plug equipment connected to the receptacles mounted on the generator, National Electric Code does not require that the unit be grounded. However, other methods of using the generator may require grounding to reduce the risk of shock or electrocution.

Before using the ground terminal, consult a qualified electrician, electrical inspector, or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.

DISCONNECTING THE BONDED NEUTRAL

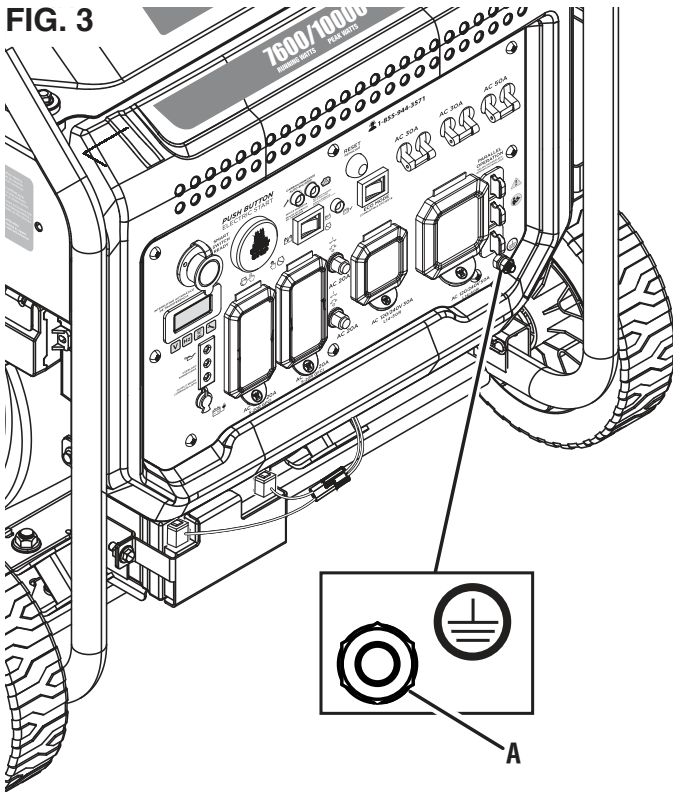
See Figure 3.

The bonded neutral should only be removed under specific circumstances. Consult a qualified electrician to determine if circumstances require disconnecting the bonded neutral.

- Remove the alternator cover.

SAFETY

FIG. 3



A - Ground terminal

- Remove the white bonded jumper wire from the ground bolt and unmarked terminal connection. Reinstall the bolts and tighten securely.
- Keep the bonded jumper wire in a secure location so that the generator can be returned to the original configuration.

NOTICE

Apply a new "NEUTRAL UNBONDED" Label over the "NEUTRAL BONDED TO FRAME" label on the front of the control panel.

SAFETY PRECAUTIONS FOR GASOLINE AND GASOLINE VAPOR



DANGER

Fire and explosion hazard. Gasoline is highly explosive and flammable and can cause severe burns or death.



WARNING

Fire and Burn Hazard. NEVER loosen or remove the fuel cap while the generator is running. Turn the unit off and allow it to cool for at least five minutes before adding gasoline. Loosen the fuel cap slowly.



WARNING

In case of a gasoline fire, do not attempt to extinguish the flame if the fuel tank valve is in the ON position. Introducing an extinguisher to a generator with an open fuel switch could create an explosion hazard.

- Fire Hazard. Gasoline is highly flammable. Handle with care.
- Never use gasoline as a cleaning agent.
- Gasoline is a skin irritant and needs to be cleaned up immediately if it comes in contact with the skin.
- Do not store gasoline near furnaces, water heaters, or any other appliances that produce heat or have automatic ignitions.
- Keep gasoline away from sparks, open flames, pilot lights, heat, and other sources of ignition.
- Store any containers containing gasoline in a well-ventilated area, away from any combustibles or source of ignition.
- ALWAYS store gasoline in a container approved for gasoline. Unapproved containers can break or deteriorate allowing gasoline or gasoline vapors to escape which can create a serious hazard.
- Gasoline has a distinctive odor, this will help detect potential leaks quickly.
- Gas vapors can cause a fire if ignited.
- Do not smoke when handling fuel, adding fuel to the generator, or emptying the gas tank.
- Wear eye protection while refueling.
- Before adding fuel to the generator, turn the unit off and allow it to cool a minimum of five minutes. If necessary, move the unit to level ground.
- Do not remove the fuel tank cap when the generator is running.
- Loosen the fuel cap slowly to safely release pressure, keep gasoline from escaping around the cap, and to avoid the heat from the muffler igniting fuel vapors.
- NEVER fill the generator's gasoline tank beyond the maximum fill ring on the fuel screen. Keeping gasoline levels at or below the fill ring will allow for fuel expansion. Overfilling the fuel tank can result in a sudden overflow of gasoline and result in spilled gasoline coming in contact with HOT surfaces.
- Spilled fuel can ignite. Wipe up spills immediately and allow area to dry before operating the generator. NEVER attempt to burn off spilled fuel.
- Securely tighten the fuel cap after adding gasoline.
- Do not cover the fuel cap while the generator is in operation. Covering the cap may cause the engine to fail or damage the product.
- Drain fuel before storing the unit. Store the unit and the fuel separately in well-ventilated areas away from sparks, open flames, pilot lights, heat, and other sources of ignition.
- Turn the unit off and allow it to cool a minimum of 30 minutes before draining fuel.

SAFETY

IMPORTANT INFORMATION FOR THE CO SENSOR

The CO Sensor monitors for the accumulation of poisonous carbon monoxide gas around the generator when the engine is running. If increasing levels of CO gas are detected, the CO Sensor automatically shuts down the engine.

The CO Sensor will also detect the accumulation of carbon monoxide from other fuel burning sources used in the area of operation. For example, if the exhaust of fuel burning tools is pointed at a CO Sensor-equipped generator, a shut-off may be initiated due to rising CO levels. This is not an error. Hazardous carbon monoxide has been detected. Move and redirect any additional fuel burning sources to dissipate carbon monoxide away from personnel and occupied buildings.

NOTE: Remote start-equipped generators must be restarted with the START/STOP button on the control panel after an automatic shut-down occurs.

Generators are intended to be used outdoors, far from occupied buildings and the exhaust pointed away from personnel and buildings. If misused and operated in a location that results in the accumulation of CO, like in a partially enclosed area, the CO Sensor shuts off the engine and the RED indicator light will flash notifying the user that there are unsafe levels of carbon monoxide.

If the generator shuts off and the RED indicator light flashes, leave the area immediately. Wait for the carbon monoxide to dissipate and the RED indicator light to turn off before returning to the affected area. Once it is safe to return, read the Action Label for further steps to take. The CO Sensor **DOES NOT** replace carbon monoxide alarms. Install battery-powered carbon monoxide alarm(s) in your home.

⚠ WARNING Automatic shutoff accompanied with a flashing RED light in the CO Sensor portion of the control panel is an indication that the generator was improperly located which allowed carbon monoxide to accumulate to unsafe levels. If you start to feel sick, dizzy, weak, or carbon monoxide detectors in your home indicate an alarm, get to fresh air immediately. Call emergency services. You may have carbon monoxide poisoning.

UNDERSTANDING THE CO SENSOR'S INDICATOR LIGHTS

See Figure 4.





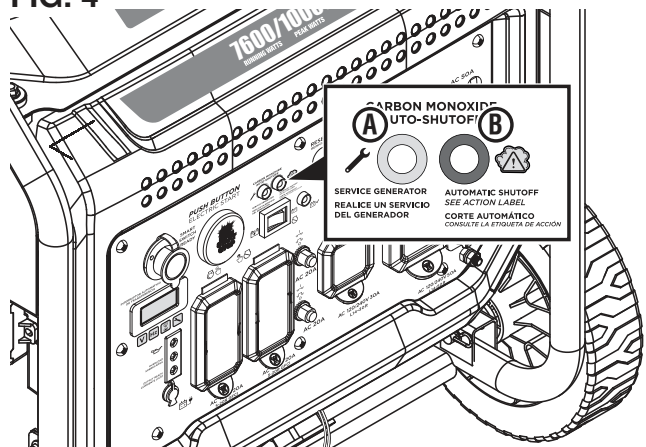
COLOR	DESCRIPTION
<p>RED</p>  	<p>Unsafe levels of carbon monoxide accumulated around the generator. After shut-off, the RED indicator light in the CO Sensor area of the control panel will flash to provide notification that the generator was shut-off due to carbon monoxide levels rising above a safe threshold. The RED light will flash for at least five minutes after a CO shut-off.</p> <p>When it is safe to do so, move the generator to an open, outdoor area far away from occupied spaces with exhaust pointed away. Once relocated to a safe area and the red light is off, the generator can be restarted. Introduce fresh air and ventilate the area where the generator had shut down.</p>
<p>YELLOW</p>  	<p>A CO sensor system fault occurred. When a system fault occurs, the generator is automatically shut down and the YELLOW indicator light in the CO auto-shutoff area of the control panel will flash to provide notification that a fault has occurred. The YELLOW light will flash for at least five minutes after a fault. The generator can be restarted but may continue to shutoff. A CO sensor fault can only be diagnosed and repaired by an authorized Westinghouse service center.</p>

FIG. 4



A - Service generator LED
B - Automatic shutoff LED

SAFETY

SAFETY LABELS AND DECALS

The following information is on your generator's labels and decals.

① Action Label

If unsafe levels of carbon monoxide accumulate around the generator, automatic shutoff will occur. If the unit shuts off, leave the area immediately. When it is safe to return, do the following:

- Move the generator to an open, outdoor area.
- Point exhaust away.
- Don't run generator in enclosed areas (e.g. not in house or garage).
- Move to fresh air.
- Get medical help if sick, dizzy or weak.
- **WARNING** – Tampering with carbon monoxide sensor could result in hazardous condition.

② Specifications

(See page 3)

③ Carbon Monoxide

- Using a generator indoors **CAN KILL YOU IN MINUTES**. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
- **NEVER** use inside a home or a garage, **EVEN IF** doors and windows are open.

④ California Proposition 65

Cancer and reproductive harm - www.P65Warnings.ca.gov/product

⑤ Hot Surface

Do not touch.

⑥ Safety Symbols

(See page 4)

⑦ Air Filter

Clean filter every 50 hours of use!

⑧ Take Generator Outside

Generators are intended to be used outdoors.

⑨ Toxic Fumes Hazard

Running engines give off carbon monoxide, an odorless poisonous gas that can cause nausea, fainting, or death. Do not start engine indoors or in an enclosed area, even if the windows and doors are open.

1

POINT ORIENTER DIRECTION

EXHAUST EL TUBO DE ESCAPE L'ÉCHAPPEMENT

AWAY HACIA AFUERA LOIN DE VOUS

ACTION LABEL

ETIQUETA DE FUNCIONAMIENTO

ETIQUETTE D'ACTION

AUTOMATIC SHUTOFF - YOU MUST: ETIQUETA DE FUNCIONAMIENTO: ETIQUETTE D'ACTION:

● **MOVE GENERATOR TO AN OPEN, OUTDOOR AREA.**

● **POINT EXHAUST AWAY.**

● **DON'T RUN GENERATOR IN ENCLOSED AREAS (E.G. NOT IN HOUSE OR GARAGE).**

● **MOVIR EL GENERADOR A UN ÁREA ABIERTA, EN EXTERIORES.**

● **MOVER EL TUBO DE ESCAPE AWAY AFUERA.**

● **NO EJECUTAR EL GENERADOR EN ÁREAS CERRADAS (P.E.J. EN UNA CASA O GARAJE).**

● **INDICAR LA DIRECCIÓN DONDE UN ESCAPE DEBE DIRIGIRSE.**

● **DIRIGIR L'ÉCHAPPEMENT LOIN DE VOUS.**

● **NE PAS FAIRE FONCTIONNER LA GÉNÉRATRICE DANS DES ENDROITS FERMÉS (MAISON NI GARAGE) NI DANS UN ENDROIT ENFERMÉ.**

+

MOVE TO FRESH AIR.

GET MEDICAL HELP IF SICK, DIZZY OR WEAK.

AVOID THE HOT SURFACE.

CONTENER ATENCIÓN MÉDICA SI SE SIENTE ENFERMO, MAREADO O DÉBIL.

EVITAR TOCARE LA SUPERFICIE CALIENTE.

CONSULTAR UN MÉDICO SI VOUS ÊTES MALADE, ÉTANQUÉ OU FAIBLE.

WARNING ADVERTENCIA AVERTISSEMENT

TAMPERING WITH CARBON MONOXIDE SENSOR COULD RESULT IN HAZARDOUS CONDITION

HAZAR AVERTISSEMENT: CANCER AND REPRODUCTIVE HARM

HAZAR AVERTISSEMENT: CANCER ET PROBLÈMES DE REPRODUCTION

HAZAR AVERTISSEMENT: CÁNCER Y DAÑOS AL SISTEMA REPRODUCTOR

2

Westinghouse

Westinghouse Outdoor Power Equipment, Columbus Ohio 43228 USA

Westinghouse Outdoor Power Equipment, Columbus Ohio 43228 Estados Unidos

Modelo	Power (Rated) P.issance (Nom.)	Insul Class Classe D'isol.
Part No. Numero de Pieza	Power (Peak) P.issance (Picolo)	Max. Amp. Temp. Temp. Max.
AC Voltage Tension CA	Frequency Frecuencia	Duty Service
AC Current Corriente CA	Run / TRAVEL	Designed in Columbus, Ohio USA Con un diseño en Columbus, Ohio, Estados Unidos

Serial No./No. De Série

Register your product:

Made in China/Fabriqué en Chine

3

⚠ DANGER

NEVER USE INSIDE A HOME OR GARAGE, EVEN IF DOORS AND WINDOWS ARE OPEN.

⚠ DANGER

ONLY USE OUTSIDE AND FAR AWAY FROM WINDOWS, DOORS, AND VENTS.

⚠ PELIGRO

NE JAMAIS UTILISER À L'INTÉRIEUR D'UNE MAISON OU D'UN GARAGE, MÊME SI LES PORTES ET LES FENÊTRES SONT OUVERTES.

NE JAMAIS UTILISER À L'EXTÉRIEUR ET BIEN LOIN DES FENÊTRES, PORTES ET VENTILATIONS.

⚠ DANGER

NEVER USE INSIDE A HOME OR GARAGE, EVEN IF DOORS AND WINDOWS ARE OPEN.

NE JAMAIS UTILISER À L'INTÉRIEUR D'UNE MAISON OU D'UN GARAGE, MÊME SI LES PORTES ET LES FENÊTRES SONT OUVERTES.

NE JAMAIS UTILISER À L'EXTÉRIEUR ET BIEN LOIN DES FENÊTRES, PORTES ET VENTILATIONS.

4

WARNING: Cancer and reproductive harm -

www.P65Warnings.ca.gov/product

AVERTISSEMENT: Cancer et problèmes de reproduction -

www.P65Warnings.ca.gov/product

ADVERTENCIA: Cáncer y daños al sistema reproductor -

www.P65Warnings.ca.gov/product

5

CAUTION HOT SURFACES

PRECAUCIÓN SUPERFICIES CALIENTES

ATTENTION AUX SURFACES CHAUDES

7

AIR FILTER

Clean filter every 50 hours of use!

(see manual for instructions)

FILTRO DE AIRE

¡Limpie el filtro cada 50 horas de uso! (ver el manual para instrucciones)

FILTRE À AIR

Nettoyez le filtre toutes les 50 heures d'utilisation! (voir manuel pour les instructions)

6

Read and understand operating instructions before starting.

Lisez et comprenez les instructions d'utilisation avant de commencer.

Provide proper ventilation! Do not operate in a confined area.

Assurez une ventilation adéquate! Ne pas utiliser dans un espace confiné.

Do not operate in wet conditions. Electrical shock may result and could be fatal!

Ne pas utiliser dans des conditions humides. (Peut provoquer une décharge électrique et pourrait être fatale!)

FOR USE IN A WEATHER PROTECTED WELL VENTILATED AREA.

PARA USO EN ZONAS BIEN VENTILADAS, PROTEGIDAS CONTRA EL TIEMPO.

UTILISER UNIQUEMENT DANS UN EMPLACEMENT À L'ABRI DES INTÉMPÉRÉS ET BIEN VENTILÉ.

8

TAKE GENERATOR OUTSIDE

LLEVAR EL GENERADOR FUERA

PRENDRE LE GÉNÉRATEUR DEHORS

9

⚠ WARNING/AVERTISSEMENT

TOXIC FUMES HAZARD. Running engines gives off carbon monoxide, an odorless poisonous gas that can cause nausea, fainting, or death. Do not start engine indoors or in an enclosed area, even if the windows and doors are open.

DANGER TOXIQUE. Faire fonctionner un moteur dégage de l'oxyde de carbone, un gaz inodore toxique qui peut provoquer la nausée, évanouissement ou la mort. Ne démarrer pas le moteur à l'intérieur ou dans une espace clos, même si les fenêtres et les portes sont ouvertes.

English | 9

SAFETY

10 Pinch Point Hazard

Keep fingers and hands away from pinch point.

11 No Oil

Oil has been drained from the unit for shipping. Add oil before attempting to operate the unit.

12 Fuel Valve

Turn the fuel valve to the on position when starting the unit. Turn the fuel valve to the off position when the unit is not in use.

13 Engine Displacement

This unit has a 420 cc engine.

14 Running Watts/Peak Watts

The Westinghouse Generator produces 10,000 peak watts and 7,600 running watts

15 Adding Oil

Add engine oil until the oil level is within safe operating range.

16 Fuel Capacity

This generator has a 5.3 gallon fuel tank. ALWAYS use CLEAN, FRESH, unleaded gasoline (87–93 octane) in this unit. Do not use E15 or E85 fuel in this product.

17 Risk of Explosion



Never fuel unit with engine running. Always fuel unit in well ventilated area. Always clean fuel spills. Always allow unit to cool before fueling.

18 EZ Start Instructions

Refer to the “EZ Start Instructions” label and the instructions in the *Operations* section when starting and stopping the generator.

19 Customer Service

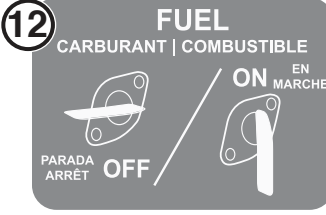
For technical assistance or service call toll free at 1-855-944-9571

此处开孔大小
φ32mm, 孔径
5mm(红色为
切边线).


CAUTION!
OIL HAS BEEN DRAINED
FOR SHIPPING

Fuels to fill engine with oil before starting and avoid
in permanent damage and will void engine warranty.
USE SAE 10W30 OIL (1.19 QT / 1.1 L)

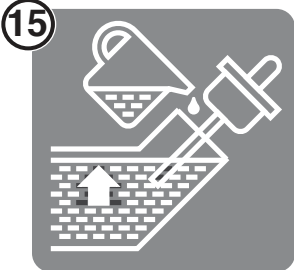



FUEL
CARBURANT | COMBUSTIBLE

PARADA / ARRÊT OFF / ON EN MARCHÉ




Westinghouse
420cc






7600/10000
RUNNING WATTS PEAK WATTS




DO NOT OVERFILL
5.3 Gal
20L
USE FUEL STABILIZER FOR STORAGE
UTILISEZ UN STABILISATEUR DE CARBURANT POUR LE STOCKAGE
EL USO DEL ESTABILIZADOR DE COMBUSTIBLE PARA EL ALMACENAMIENTO

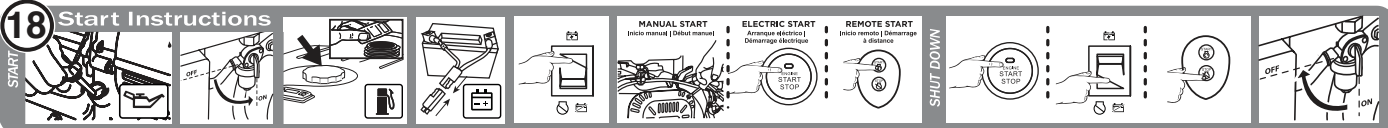
E85 87 MINIMUM OCTANE
E87 OCTANO MINIMUM
E15 87 OCTANO MINIMO



17 WARNING
NEVER FUEL UNIT WITH ENGINE RUNNING.
ADVERTENCIA ALWAYS FUEL UNIT IN WELL VENTILATED AREA.
AVERTISSEMENT ALWAYS CLEAN FUEL SPILLS.
ALWAYS ALLOW UNIT TO COOL BEFORE FUELING.
NUNCA COMBUSTE LA UNIDAD CON EL MOTOR EN MARCHA. SIEMPRE UNIDAD DE COMBUSTIBLE EN ZONA BIEN VENTILADA. SIEMPRE LIMPIE LOS DERRAMES DE COMBUSTIBLE. SIEMPRE PERMITA QUE LA UNIDAD ESTE EN FRÍO ANTES DE COMBUSTIBLE.
NE FAITES JAMAIS LE PLEIN LORSQUE LE MOTEUR EST EN MARCHÉ. FAITES TOUJOURS LE PLEIN DE L'UNITÉ DANS UN ENDROIT BIEN VENTILÉ. NETTOYEZ TOUJOURS LE CARBURANT REPENDU. LAISSEZ TOUJOURS REFROIDIR L'APPAREIL AVANT DE FAIRE LE PLEIN.



19 FOR TECHNICAL ASSISTANCE or SERVICE CALL TOLL FREE
PARA LA AYUDA TÉCNICA Y SERVICIO LLAMADA
POUR SUPPORT TECHNIQUE ou SERVICE, APPELEZ SANS FRAIS
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3 YEAR LIMITED WARRANTY



18 Start Instructions

MANUAL START [Inicio manual / Début manuel] | ELECTRIC START [Arranque eléctrico / Démarrage électrique] | REMOTE START [Inicio remoto / Démarrage à distance]

START STOP | SHUT DOWN

ELECTRICAL

GENERATOR CAPACITY

NOTICE

Do not overload the generator's capacity. Exceeding the generator's wattage/ampere capacity can damage the generator and/or electrical devices connected to it.

Review the **Specifications** for this generator and record the running (continuous) and peak (starting) watts. In general the higher the wattage, the more devices can be powered at the same time. The total power requirements of all connected devices must be considered.

To determine power requirements:

- Choose the devices you want to power simultaneously.
- Record and total the running (continuous) watts of each device. The generator must continuously produce this amount of wattage to keep the devices running.
- Record the peak (starting) watts for each device. This is the momentary surge of power required to start electric motors in some tools and appliances.
- Select the device with the highest peak (starting) wattage. Add the peak (starting) watts for that device to the total running (continuous) watts for all the connected devices to determine the total peak wattage requirement for the generator.

NOTE: Total peak wattage requirement assumes intermittent starting of devices. Adjust estimate if devices reach peak wattage at the same time.

Example:

Tool or appliance	Running Watts*	Additional Peak Watts*
RV Air Conditioner	700	1500
Refrigerator/Freezer	700	2200
Microwave	1000	---
Television (27 in.)	500	---
Total Running Watts*	2900	---
Highest Peak Watts*	---	2200
Total Running Watts	2900	
Highest Peak Watts	+ 2200	
Total Peak Wattage	5100	

In this example, you would need a generator with at least 2900 running (continuous) watts and 5100 peak (starting) watts to power all the connected devices.

*Wattages listed are approximate. Verify actual wattage.

MANAGING GENERATOR POWER

To extend the service life of the generator, use caution when adding electrical loads. Disconnect all loads before starting the generator. The safest way to manage generator power is to add loads sequentially by doing the following:

- Remove all loads and start the generator as described later in this manual.
- Connect and start the largest device or appliance.
- Allow the generator output to stabilize. Once stable, the engine should run smoothly and the device should function properly.
- Connect and start the next largest device or appliance.
- Allow the generator output to stabilize.
- Repeat this process for each additional load.

WATTAGE REFERENCE

Tool or appliance	Running Watts*	Additional Peak Watts*
AM/FM Radio	100	---
Box Fan	100	---
Television	500	---
RV Air Conditioner	700	1500
Coffee Maker	1000	---
Microwave	1000	---
Refrigerator/Freezer	700	2200
Sump Pump ½ HP	1050	2150
Air Compressor	1400	3600
Table Saw (10 in.)	2000	2000

*Wattages listed are approximate. Verify actual wattage.

ELECTRICAL

EXTENSION CORDS

⚠ WARNING Asphyxiation hazard. Extension cords running directly into the home increase the risk of carbon monoxide poisoning through any openings. If an extension cord running directly into your home is used to power indoor items, there is a risk of carbon monoxide poisoning to people inside the home. Always use battery-powered carbon monoxide detector (s) that meet current UL 2034 safety standards when running the generator. Regularly check the detector(s) battery.

⚠ WARNING Asphyxiation hazard. When operating the generator with extension cords, make sure the generator is located in an open, outdoor area, at least 20 ft. (6 m.) from occupied spaces with exhaust pointed away.

⚠ WARNING Fire and electrocution hazard. Never use worn or damaged extension cords. Damaged or overloaded extension cords could overheat, arc, and burn resulting in death or serious injury.

Before connecting an AC appliance or power cord to the generator:

- Use grounded 3-prong extension cords, tools, and appliances, or double-insulated tools and appliances.
- Make sure the tool or appliance is in good working order. Faulty appliances or power cords can create a potential for electric shock.

- Make sure the electrical rating of the tool or appliance does not exceed the rated power of the generator or the receptacle being used.

NOTICE Do not exceed the unit's capacity. Overloading the generator's wattage and/or amperage capacity could damage connected devices and critical generator components.

EXTENSION CORD SIZING

Make sure your extension cord can carry the required load. Cables that are too small may cause a voltage drop that can cause the cord to overheat or cause property damage. Refer to the chart below.

TOTAL AMPERAGE	MINIMUM GAUGE, OUTDOOR RATED	
	Up to 50 ft. (15 m)	Up to 100 ft. (30 m)
Up to 10A	#12 Wire	#8 Wire
Up to 15A	#10 Wire	#8 Wire
Up to 20A	#10 Wire	#6 Wire
Up to 30A	#8 Wire	#6 Wire
Up to 35A	#6 Wire	#6 Wire

COMPONENTS

UNDERSTANDING YOUR GENERATOR

See Figures 5 - 6.

To reduce the risk of injury and product failure, read and understand the information in this user's manual as well as the information on the product labeling.

120 VOLT AC, 20 AMP RECEPTACLES

This unit has two single phase, 60 Hz receptacles capable of carrying a maximum of 20 amps.

120/240-VOLT AC RECEPTACLES (30 AND 50 AMP)

Each receptacle can supply either 120V or 240V.

NOTE: The L14-30R receptacle can supply up to 30 amps and the L14-50R receptacle can supply up to 50 amps.

BATTERY CHARGING PORT

Insert the plug of the included AC charger to charge the battery.

BATTERY INDICATOR

Light will remain illuminated while battery power is available.

BATTERY SWITCH

Enables or disables electric start. The battery switch must be in the ON position to use remote start.

CIRCUIT BREAKERS

The circuit breakers protect individual circuits from electrical overload.

CO SENSOR INDICATOR LIGHTS

The CO Sensor monitors for the accumulation of poisonous carbon monoxide gas. If increasing levels of CO gas are detected, the CO Sensor automatically shuts down the engine.

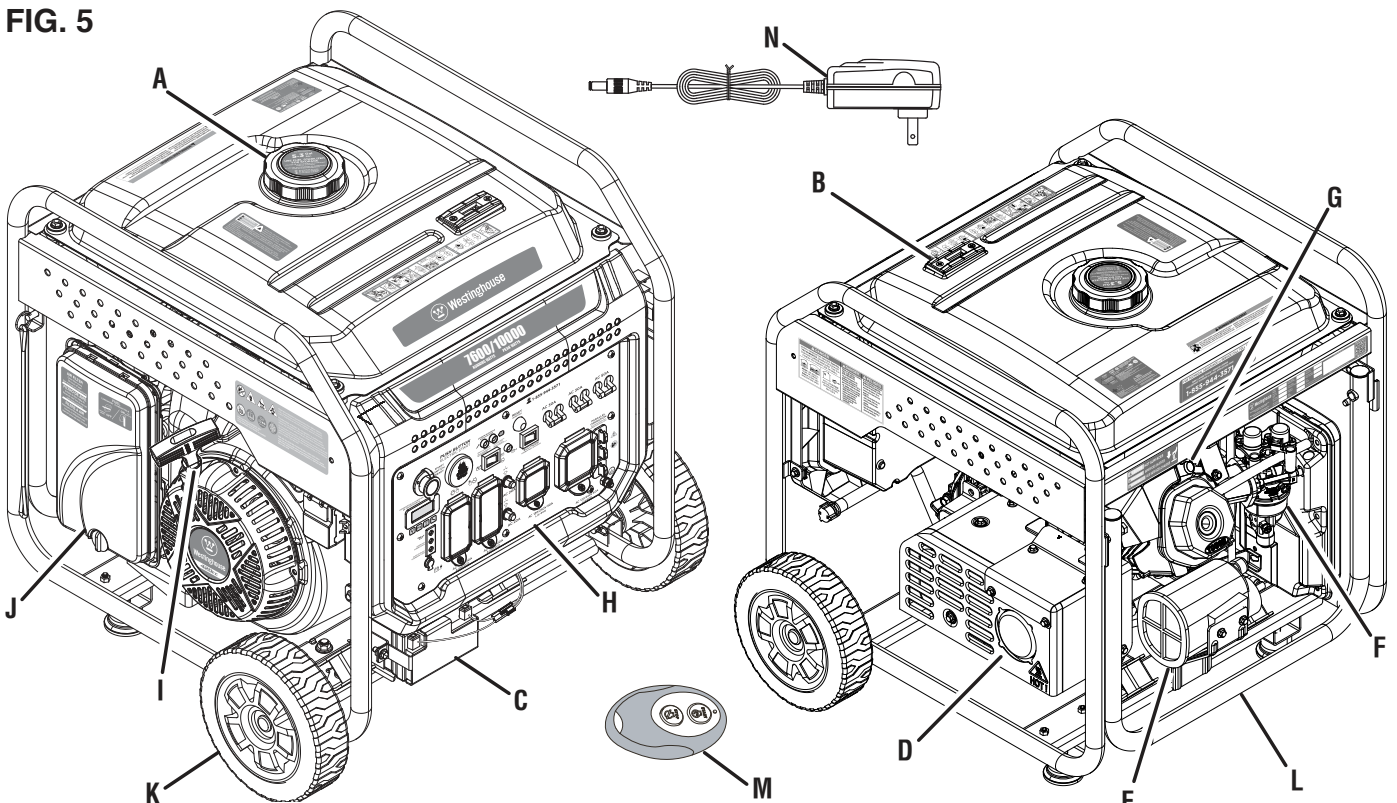
DATA CENTER

Displays voltage, frequency, total hour meter, and run/maintenance timer.

ECO MODE SWITCH

Eco mode minimizes fuel consumption and noise by adjusting the engine RPM to the minimum required for the current load.

FIG. 5



- A - Fuel cap
- B - Fuel gauge
- C - Battery
- D - Muffler/spark arrestor
- E - Carbon canister

- F - Carburetor/choke
- G - Spark plug
- H - Control panel
- I - Recoil handle
- J - Air filter cover

- K - Wheel
- L - Transport handle
- M - Key fob
- N - Charger

COMPONENTS

ENGINE START/STOP BUTTON

Push once to automatically start the engine. Push again to stop the engine.

FUEL TANK

The generator has a fuel tank with a capacity of 20 liters.

NOTE: The fuel gauge on top of the tank shows the approximate fuel level.

GROUND TERMINALS

The ground terminals are used to externally ground the generator.

LOW OIL LED

Indicates low oil level. When the oil level in the crankcase falls below the safe operating limit, the low oil level indicator will illuminate and the generator will automatically shut off the engine.

MUFFLER AND SPARK ARRESTOR

The spark arrestor prevents sparks from exiting the muffler. It must be removed for servicing.

NOTICE

The spark arrestor is a safety device that prevents sparks from exiting the muffler and creating a fire hazard. In certain locations a spark arrestor may be required by law. It is the operator's responsibility to know and follow all local laws and regulations related to fire prevention requirements.

OIL DIPSTICK

Unscrew the oil dipstick to check oil levels and add oil when needed.

OUTPUT READY LED

Illuminates when the generator is operating normally. Indicates the generator is producing electrical power at the receptacles.

OVERLOAD LED

Indicates that the generator is overloaded.

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.

PARALLEL OPERATION OUTLETS

A compatible Westinghouse generator can be connected for additional power output.

RECOIL HANDLE

Use the recoil handle (along with the fuel valve and choke) to manually start the generator.

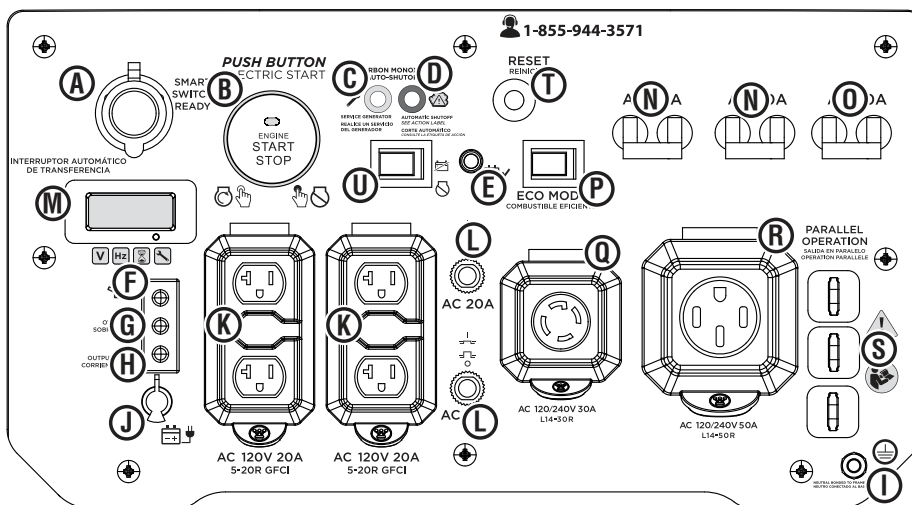
REMOTE START

Use the key fob to start the generator remotely.

SMART SWITCH OUTLET

The smart switch outlet allows you to connect a Westinghouse ST Switch (sold separately) to the generator.

FIG. 6



- A - Smart switch outlet
- B - Engine start/stop button
- C - Service generator LED
- D - Automatic shutoff LED
- E - Battery indicator
- F - Low oil LED
- G - Overload LED
- H - Output ready LED
- I - Ground terminal
- J - Battery charging port
- K - 120 volt AC 20 amp GFCI receptacles
- L - 20 amp circuit breaker
- M - Data center
- N - 32 amp circuit breaker
- O - 50 amp circuit breaker
- P - ECO mode switch
- Q - 120/240 volt AC 30 amp receptacle
- R - 120/240 volt AC 50 amp receptacle
- S - Parallel operation outlets
- T - Reset button
- U - Battery switch

ASSEMBLY

⚠ WARNING Weight hazard. Always have assistance when lifting the generator. Never attempt to lift the unit by the handle. Hold the unit by the frame and use proper lifting techniques to reduce the risk of back injury.

REMOVING CARTON CONTENTS

⚠ WARNING This product requires assembly. Do not attempt to operate this product if any items in the **INCLUDED LIST** are already assembled when you remove the carton contents. These items are not assembled by the manufacturer and should require customer assembly. Using an improperly assembled product can be hazardous and could result in serious personal injury.

- Carefully cut down the sides of the packaging and remove the carton contents.
- Inspect the carton contents. Verify that all the items in the **INCLUDED LIST** are present and undamaged.
- Recycle or dispose of the packaging materials properly.

INCLUDED LIST

See Figure 7.

Generator, Wheels, Axles, Washers, Hitch Pins, Handle Lock Pin, Lanyard, Bolts, Feet, Key Fob, Charger, Engine Oil (SAE 10W 30), Funnel, Spark Plug Socket Wrench, Quick Start Guide, User Manual

If any parts are missing, contact our service team at service@wpowereq.com or call 1-855-944-3571.

INSTALLING THE FEET

See Figure 8.

- Place the generator on a flat surface.
- Lift the handle side of the generator high enough to gain access to the crossbar on the bottom of the frame.
- Place props beneath the generator to serve as a temporary support.
- Locate the feet and bolts.
- Align the holes in a foot with the holes in the crossbar.
- Insert bolts through the holes in the foot.
- Thread the bolts into the nuts welded onto the crossbar and tighten securely. **Do not over tighten.**
- Repeat these steps to install second foot.

INSTALLING THE WHEELS

See Figure 9.

- Place the generator on a flat surface.
- Lift the control panel side of the generator high enough to gain access to the bottom of the frame.
- Place props beneath the generator to serve as a temporary support.
- Locate the axles, wheels, washers, and hitch pins.

FIG. 7

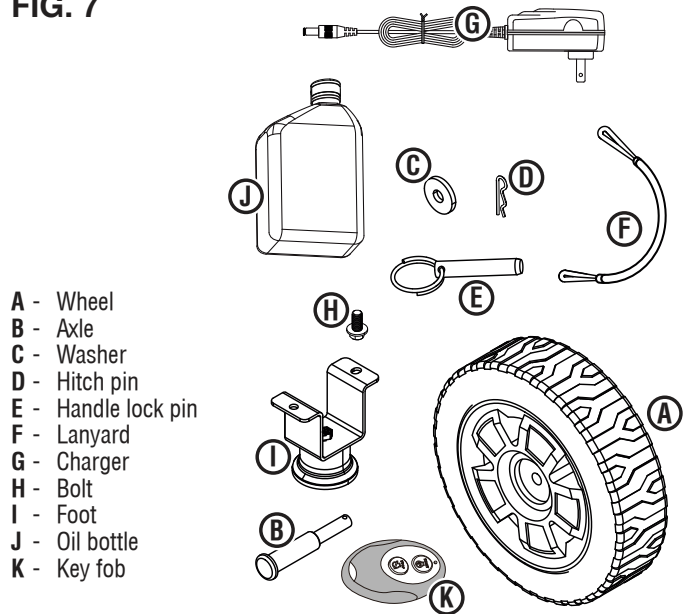


FIG. 8

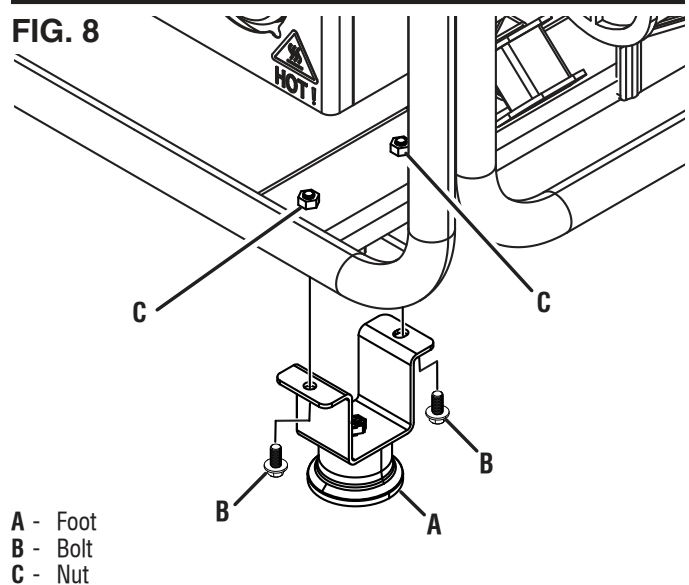
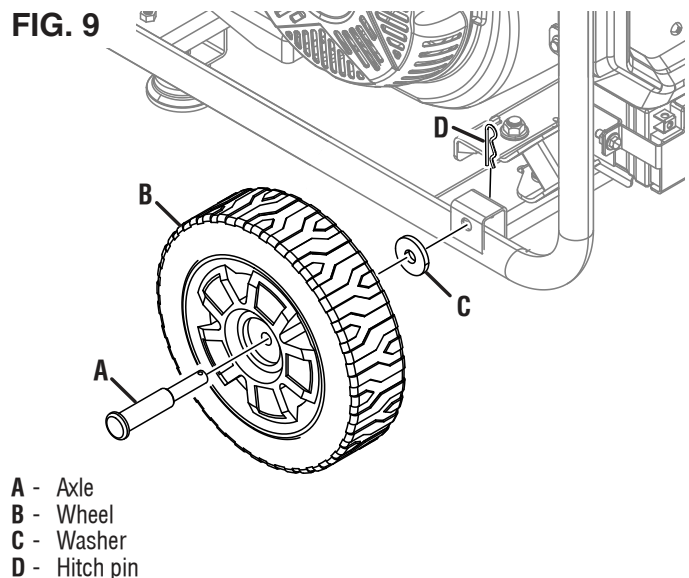


FIG. 9



ASSEMBLY

- Insert a bolt through the middle of a wheel, washer, and the frame as shown.
- Push a hitch pin into the axle until the center of the pin rests against the top of the axle.
- Repeat these steps to install second wheel.

CONNECTING THE BATTERY

See Figure 10.

A quick-connect battery cable is pre-installed on the battery. Remove the cable tie securing the plugs then push firmly to connect them.

NOTE: The generator is equipped with a battery charging feature. Once the engine is running, a small charge will slowly recharge the battery.

LOCKING/RELEASING THE HANDLE

See Figure 11.

A quick-connect battery cable is pre-installed on the battery. Remove the cable tie securing the plugs then push firmly to connect them.

NOTE: The generator is equipped with a battery charging feature. Once the engine is running, a small charge will slowly recharge the battery.

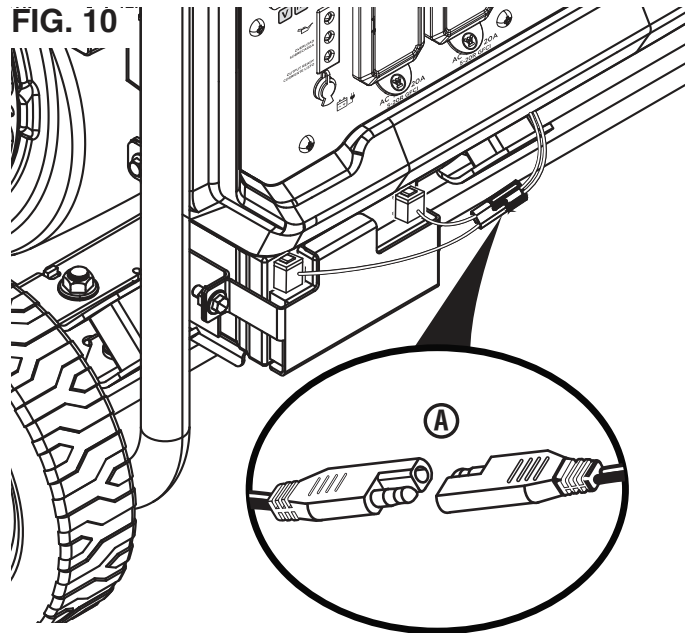
- Locate the handle lock pin and lanyard.
- Attach the lanyard to the lock pin and frame.
- **To lock the handle in the raised position**, raise the handle and insert the lock pin through the holes in the handle and frame.
- With handle locked in the raised position, the generator can safely be rolled from one position to another. For information regarding transporting the unit in a vehicle, refer to the **Transporting** section in *Operation*.
- **To release and lower the handle**, remove the lock pin and guide the handle to the down position.

⚠ WARNING Do not alter or modify this product unless instructed to so in this manual or by the manufacturer. Do not use attachments or accessories that are not recommended for use with this product. Making unauthorized modifications and using incompatible accessories can damage the unit and void your warranty.

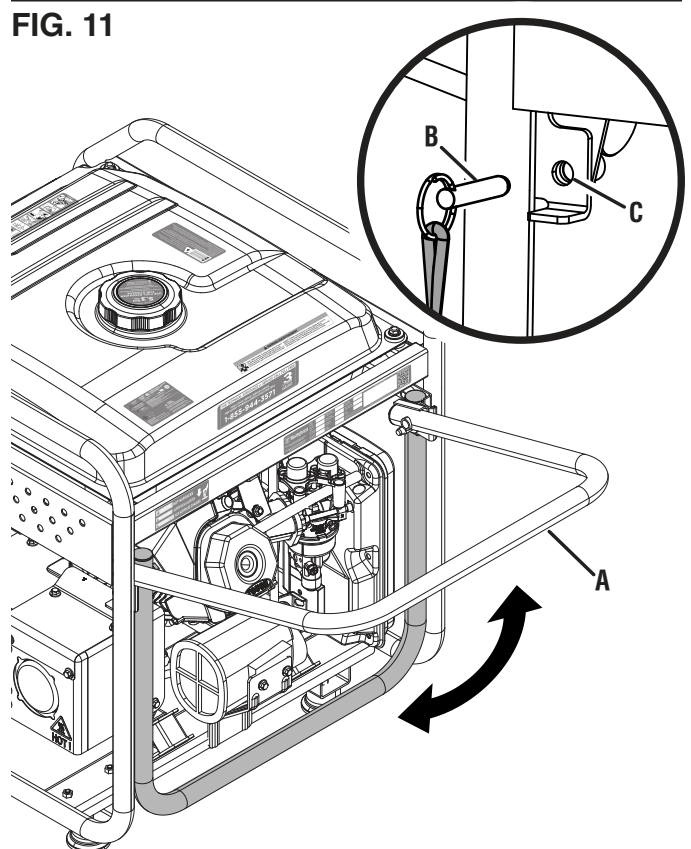
OVERVIEW

This portable generator can provide power to a wide range of items including household appliances, job-site tools, camping equipment, tailgating essentials, and much more.

NOTICE **THIS GENERATOR HAS BEEN SHIPPED WITHOUT OIL.** Do not attempt to crank or start engine before it has been properly serviced with recommended oil. Failure to add engine oil before starting will result in serious engine damage that is not covered under warranty.



A - Quick-connect battery cable



A - Transport handle
B - Handle lock pin
C - Hole

OPERATION

⚠ DANGER Generator exhaust contains high levels of carbon monoxide (CO), an invisible, odorless, and extremely poisonous gas. If you smell exhaust fumes, you are breathing carbon monoxide. But, even if you do not smell exhaust fumes you may be inhaling CO.

ONLY operate generators outside, in a well-ventilated area. NEVER operate generators indoors, doing so CAN KILL YOU IN MINUTES.

- **Correct Use** – ONLY use generators outside and downwind, far away from windows, doors and vents. ALWAYS direct exhaust away from occupied spaces. ALWAYS install battery-powered carbon monoxide detectors or plug-in carbon monoxide detectors with battery back-up in living areas. **See Figure 1.**
- **Incorrect Use** – NEVER use a generator in your home, garage, basement, attic, crawl space or any other fully or partially enclosed area. Areas such as these can allow dangerous levels of carbon monoxide to accumulate. An open door or a running fan WILL NOT provide adequate ventilation. **See Figure 2.**

If you start feeling dizzy, weak, or sick while using the generator, move to fresh air IMMEDIATELY. Contact a doctor. You may be experiencing carbon monoxide poisoning.

⚠ WARNING Do not alter or modify this product unless instructed to so in this manual or by the manufacturer. Do not use attachments or accessories that are not recommended for use with this product. Making unauthorized modifications and using incompatible accessories can damage the unit and void your warranty.

NOTICE In certain circumstances, the National Electric Code may require the generator to be grounded to an approved earth. Consult with a qualified electrician to determine grounding requirements before operation.

⚠ WARNING Avoid skin contact with engine oil or gasoline. Wear protective clothing and equipment. Wash all exposed skin with soap and water. Prolonged skin contact with gasoline or engine oil may cause severe skin irritation and other adverse reactions.

NOTICE Check the physical condition of the product prior to each use. Look for loose bolts, fluid leaks, and other signs of wear. Replace all damaged items.

NOTICE Make sure the wheels and feet are properly installed before adding fuel or oil.

KNOW HOW TO SAFELY LOCATE AND OPERATE YOUR GENERATOR

⚠ DANGER Asphyxiation hazard. Place the generator in a well-ventilated area. DO NOT place the generator near vents or intakes where exhaust fumes could be drawn into occupied or confined spaces. Carefully consider wind and air currents when positioning the generator.

⚠ WARNING Electrocutation hazard. 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 circuit. Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution.

⚠ WARNING Fire hazard. 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 or the air intake system. Allow the generator to cool for 30 minutes before transport or storage.

- Read and understand all safety information before starting the generator (*see pages 4 - 10*).
- NEVER use a generator in your home, garage, basement, attic, crawl space or any other fully or partially enclosed area. Areas such as these can allow dangerous levels of carbon monoxide to accumulate. Carbon monoxide (CO), an invisible, odorless, and extremely poisonous gas CAN KILL YOU IN MINUTES.
- DO NOT operate the generator in the back of a SUV, camper, trailer, truck bed (regular, flat, or otherwise), under stairs, next to walls or buildings, or in any other location that will not allow for adequate cooling of the generator and/or the muffler. Operating the generator in enclosed or partially enclosed areas will allow dangerous levels of CO to accumulate.
- DO NOT contain generators during operation.
- Only use OUTSIDE and far away from windows, doors, and vents as recommended by the US Department of Health and Human Services Centers for Disease Control and Prevention. Your specific home and/or wind conditions may require additional distance.

OPERATION

- Do not operate the generator on an incline. The unit should always be placed on a flat, stable surface with a slope no greater than 4°
- The generator should be on a flat, level surface at all times (even while not in operation).
- The generator must have at least 5 ft. (1.5 m) of clearance from all combustible material.

KNOW THE REGULATIONS FOR THE USE OF PORTABLE GENERATORS

Consider where and how you intend to use your generator, and familiarize yourself with any local, state, or federal ordinances concerning your intended use. It may be necessary to contact a qualified electrician or local governing agency for a full list of requirements.

ADDING OIL/CHECKING OIL LEVEL

See Figure 12.

If your product has a separate engine manual, disregard the information in this section and follow the instructions in the engine manual.

NOTICE THIS GENERATOR HAS BEEN SHIPPED WITHOUT OIL. Do not attempt to crank or start engine before it has been properly serviced with recommended oil. Failure to add engine oil before starting will result in serious engine damage that is not covered under warranty.

NOTICE Use of 2-stroke/cycle oil or other unapproved oil types can cause severe engine damage that is not covered under warranty.

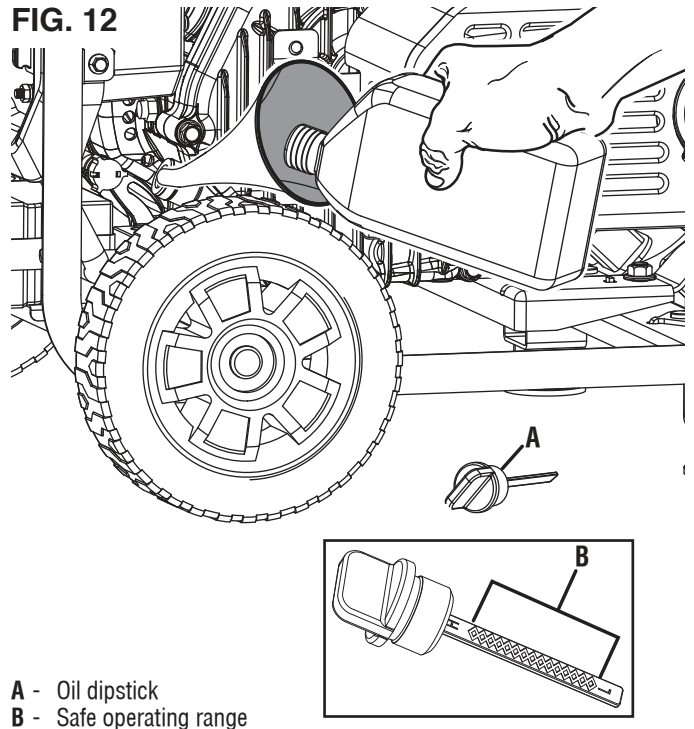
The included, recommended oil type for typical use is 10W-30 engine oil. If running the generator in extreme temperatures, refer to the following chart.

Recommended Engine Oil Type									
		10W-30							
5W-30						10W-40			
5W-30 Synthetic									
°F	-20	0	20	40	60	80	100	120	
°C	-28.9	-17.8	-6.7	4.4	15.6	26.7	37.8	48.9	
Ambient Temperature									

NOTE: Check the engine oil level before each use or every 8 hours of operation.

- Turn the generator off and allow the engine to cool for at least five minutes.
- Place the generator on a level surface in a well-ventilated area.
- Clean the area around the oil dipstick.

FIG. 12



A - Oil dipstick
B - Safe operating range

For initial oil fill:

- Slowly unscrew and remove the oil dipstick.
- Using the funnel, slowly pour the entire bottle of the supplied engine oil into the oil fill hole. Stop frequently to make sure you do not overfill.
- Replace and tighten the oil dipstick.

To check oil level:

- Slowly unscrew and remove the oil dipstick.
- Clean the dipstick and re-seat it inside the oil fill hole. Do not thread the dipstick.
- Remove the dipstick and verify that the oil level is within safe operating range.
- If the oil level is low, add recommended engine oil incrementally and recheck until the level is within the safe operating range.
- Replace the oil dipstick and hand-tighten.

GASOLINE REQUIREMENTS

NOTICE Do not use E15 or E85 fuel in this product. 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. Only use unleaded gasoline containing up to 10% ethanol.



- ALWAYS use CLEAN, FRESH, unleaded gasoline (87–93 octane) in this unit. NEVER use OLD, STALE, or CONTAMINATED gasoline.

OPERATION

- Up to 10% ethanol (gasohol) is acceptable (where available; non-ethanol fuel is recommended).
- DO NOT use E85 or E15.
- DO NOT use a gas oil mix.
- DO NOT modify the engine to run on alternate fuels.

USING FUEL STABILIZER

Adding a fuel stabilizer (not included) extends the usable life of fuel and helps prevent deposits from forming that can clog the fuel system. Follow the manufacturer's instructions for use.

Always mix the correct amount of fuel stabilizer to gasoline in an approved gasoline container before fueling the generator. Run the generator for five minutes to allow the stabilizer to treat the entire fuel system.

ADDING GASOLINE

See Figures 13 - 14.

⚠ DANGER Fire and explosion hazard. Never remove the fuel cap or refuel the generator while the engine is running. Do not smoke or create sparks while fueling. Always turn the engine off and allow the generator to cool for at least five minutes before refueling.

⚠ DANGER Fire and explosion hazard. Do not overfill fuel tank. Fill only to the red maximum fill ring on the fuel screen. Overfilling may cause fuel to spill onto engine causing a fire or explosion hazard.

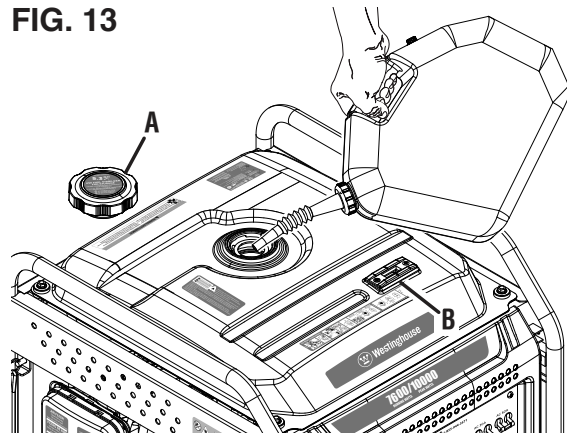
⚠ WARNING Never use a gasoline container, gasoline tank, or any other fuel item that is broken, cut, torn or damaged.

NOTICE Only fill the tank from an approved gasoline container. Make sure the gasoline container is internally clean and in good condition to prevent fuel system contamination.

- Turn the generator off and allow the engine to cool for at least five minutes.
- Place the generator on a level surface in a well-ventilated area. **DO NOT fuel indoors.**
- Clean area around fuel cap and remove the cap slowly.
- Slowly add the recommended fuel. Do not overfill.

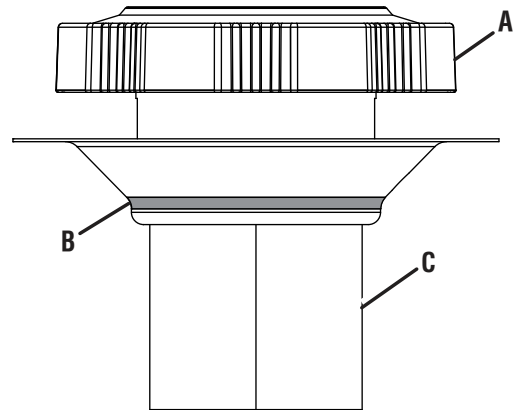
NOTE: The gasoline level should NOT be higher than the red maximum fill ring on the fuel screen.

FIG. 13



A - Fuel cap
B - Fuel gauge

FIG. 14



A - Fuel cap
B - Max fill line
C - Screen filter

NOTE: The fuel gauge on top of the tank shows the approximate fuel level.

- Install the fuel cap. Tighten securely.
- Clean up any spilled fuel.
- Move at least 30 ft. away from refueling area before restarting the engine.

NOTICE Fuel can damage paint and plastic. Use caution when filling the fuel tank. Damage caused by spilled fuel is not covered under warranty.

NOTICE Clean the fuel screen filter of debris before and after each fueling. Remove the fuel screen filter by slightly compressing it while removing it from the fuel tank.

OPERATION

HIGH ALTITUDE OPERATION

Engine power is reduced the higher you operate above sea level. Output will be reduced approximately 3.5% for every 1000 feet of increased altitude from sea level.

High altitude adjustment is required for operation at altitudes over 5,000 ft. (1524 m). Operation without this adjustment will cause decreased performance, increased fuel consumption, and increased emissions.

NOTICE

DO NOT operate the generator at altitudes below 2,000 ft. (762 m) with the high altitude kit installed. Engine damage may occur.

High Altitude
Carburetor Kit

Part# 202801

DATA CENTER

See Figure 15.

Push the mode button to cycle through the data display modes.

Voltage: Displays current voltage output.

Frequency (Hz): Displays power output frequency in Hertz.

Lifetime Hours: Displays the lifetime run hours.

Run Time/Maintenance: Displays current run time. Resets to zero when shut down. Maintenance reminder displayed when required.

Maintenance Codes:

P25—Change engine oil

P50—Clean air filter, Change engine oil

P100—Change engine oil, clean air filter, replace fuel filter

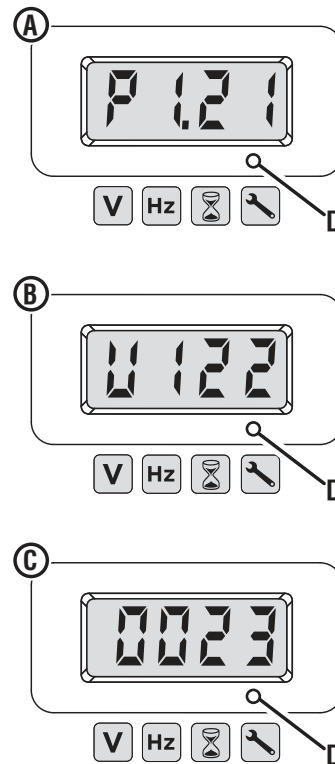
BREAK-IN PERIOD

For proper break-in, do not exceed 50% of the rated running watts during the first five hours of operation.

Use supplied oil until first recommend oil change. Do not use full synthetic oil during break in period. Full synthetic oil may prevent proper breaking and seating of the piston rings.

Vary the load occasionally to allow stator windings to heat and cool and help seat the piston rings.

FIG. 15



- A - Power output
- B - Voltage
- C - Lifetime hours
- D - Mode button

BEFORE STARTING THE GENERATOR

Verify that:

- The generator is placed in a safe, appropriate location.
- The generator is on a dry, flat, and level surface.
- Oil and fuel levels are within safe operating range.
- All loads are disconnected from the control panel receptacles.
- The ECO mode switch is in the OFF position.



DANGER

Fire and explosion hazard. DO NOT move or tip the generator during operation.

OPERATION

PAIRING THE KEY FOB

See Figures 16 - 17.

- Make sure the battery is connected.
- Push the battery switch to the ON position.

NOTE: When battery power is available, the battery indicator light will illuminate and the LED around the engine start/stop button will illuminate solid green.
- Press and hold the engine start/stop button for 10 seconds until the LED around the button flashes green, then release it.
- Press and hold the start button on the key fob for one second, then release it.
 - If the key fob paired successfully, the LED around the engine start/stop button will turn solid green.
 - If pairing was unsuccessful, the LED around the engine start/stop button will continue flashing green. Wait several seconds, then make a second attempt. If the second attempt fails, turn the battery switch to the OFF position, wait several seconds and repeat the process. If subsequent attempts fail, turn the battery switch to the OFF position and contact customer service.
- After the key fob is successfully paired to the generator, turn the battery switch to the OFF position.

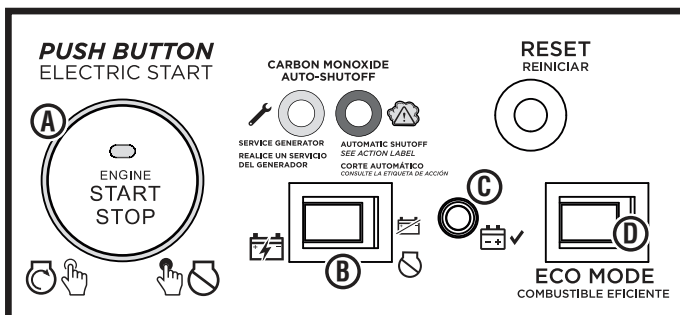
STARTING THE GENERATOR

See Figures 16 - 21.

- Place the generator in a safe, appropriate location.
- Unplug all loads.
- Ensure the ECO mode switch is in the OFF position.
- Check oil and fuel levels. If needed, add fuel or oil as described earlier.
- Turn the fuel valve to the ON position.
- Push the battery switch to the ON position.

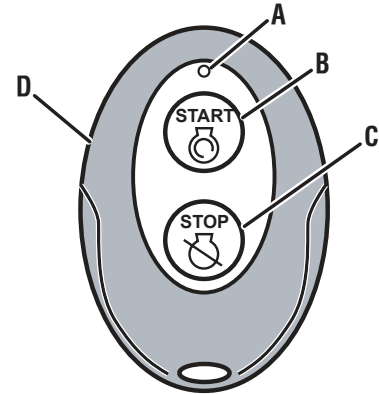
NOTE: When battery power is available, the battery indicator light and the green LED around the engine start/stop button will illuminate.

FIG. 16



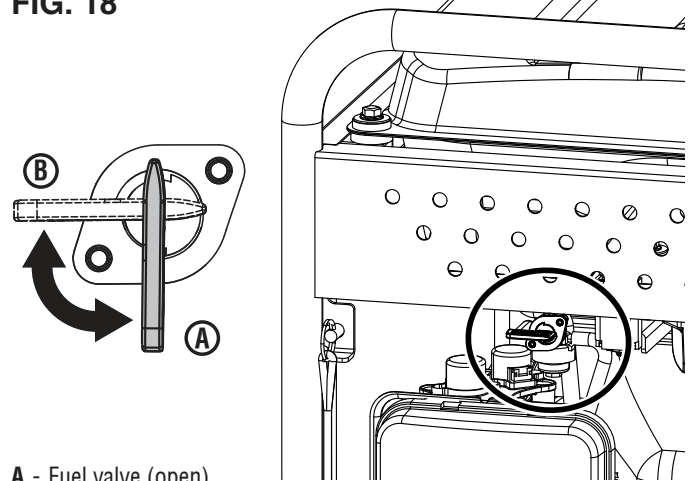
- A - Engine start/stop button
- B - Battery switch
- C - Battery indicator
- D - ECO mode switch

FIG. 17



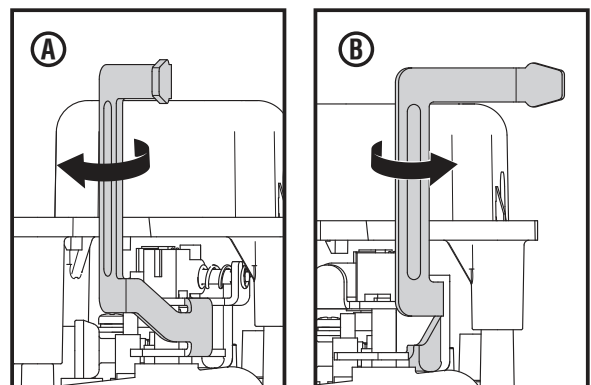
- A - Red LED
- B - Start button
- C - Stop button
- D - Key fob

FIG. 18



- A - Fuel valve (open)
- B - Fuel valve (close)

FIG. 19



- A - Choke (on/cold start)
- B - Choke (off/warm start)

OPERATION

To start the generator using the recoil handle:

- Move the choke to the on/cold start position.
NOTE: If you are re-starting the generator, move the choke to the off/warm start position.
- Firmly grasp and pull the recoil handle slowly until you feel increased resistance. At this point, pull the recoil handle rapidly away from the generator until the engine starts.

NOTE: Gently return the recoil handle into place after starting the unit. Do not let it snap back against the unit. During initial starting, additional pulls may be required to prime the fuel pump.

- After the engine starts and stabilizes (approximately 5 seconds), move the choke to the off/warm start position.

To start the generator using the remote start feature:

- Push and hold the start button on the key fob for two seconds.

NOTE: The red LED on the key fob should blink each time the start button is pressed. If the red LED does not blink and the generator does not start, then the battery in the fob may need to be replaced. If the red LED does blink but the generator does not start, the generator's battery may need to charge. Start the unit using the recoil handle. The generator's battery will charge as the unit runs.

To start the generator using the engine start/stop button:

- Push and hold the engine START/STOP button for two seconds.

NOTE: If the engine START/STOP button does not start the generator, the generator's battery may need to charge. Start the unit using the recoil handle. The generator's battery will charge as the unit runs.

To add loads after starting the generator:

- When the OUTPUT READY LED illuminates, you can safely connect loads to the control panel receptacles.

NOTE: Verify that all devices are turned off before connecting them to the generator.

NOTE: Make sure that the wattage requirements for all connected devices are in line with your generator's capabilities.

- Connect and start the largest device or appliance.
- Allow the generator output to stabilize. Once stable, the engine should run smoothly, and the device should function properly.
- Connect and start the next largest device or appliance.
- Allow the generator output to stabilize.
- Repeat this process for each additional load.

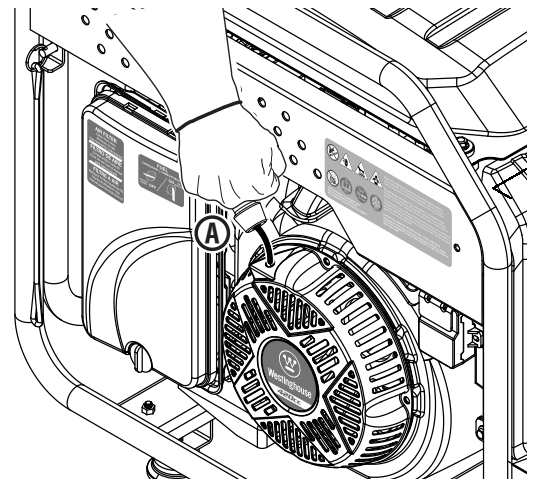
STOPPING THE GENERATOR

- Remove any connected loads from the control panel receptacles.
- Allow the generator to run at "no load" for several minutes to reduce and stabilize engine and alternator temperatures.
- Press and hold the engine START/STOP button or the stop button on the key fob for one second to stop the generator.
- Push the battery switch to the OFF position.
- Allow the engine to cool, then close the fuel valve.

To stop the unit quickly in an emergency:

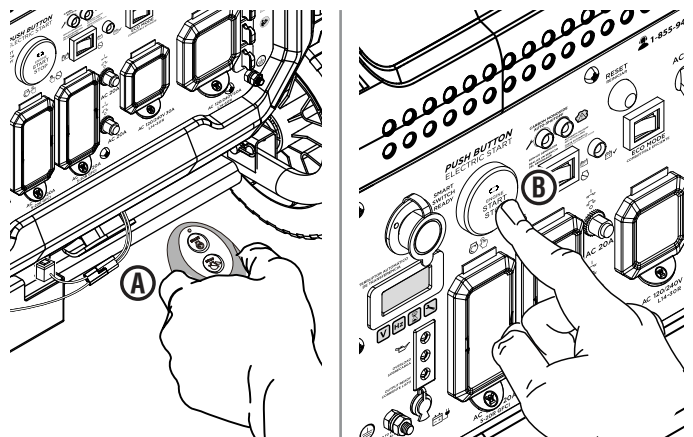
- Press and hold the engine START/STOP button or the stop button on the key fob for one second to stop the generator.

FIG. 20



A - Recoil Handle

FIG. 21



A - Key Fob
B - Engine start/stop button

OPERATION

LOW OIL INDICATOR

See Figure 22.

The LOW OIL LED on the control panel will illuminate when the unit is low or out of oil. The generator will not start when the indicator is lit. To resume normal operation, add engine oil as described earlier in this section. **Do not attempt to crank or start engine before it has been properly serviced with recommended oil.**

ECO MODE

See Figures 22 - 23.

NOTICE

Always start the generator with the ECO mode switch in the OFF position. Allow the engine speed to stabilize and the OUTPUT READY LED to illuminate before putting the ECO mode switch in the ON position.

NOTICE

Do not use ECO mode when in parallel operation with another Westinghouse generator.

ECO mode minimizes fuel consumption and noise by adjusting the engine RPM to the minimum required for the current load.

Turn ECO mode ON when powering small appliances with continuous loads such as a computer or electric light.

Turn ECO mode OFF when powering large surge loads such as an air conditioner or electric pump.

To turn on ECO mode, verify that the OUTPUT READY LED is illuminated, then push the switch to the ON position. If no load is present, the generator RPM will drop to idle speed. The generator will detect loads as they are applied and increase engine RPM.

To run the generator at maximum power and RPM, push the ECO mode switch to the OFF position.

OVERLOAD RESET

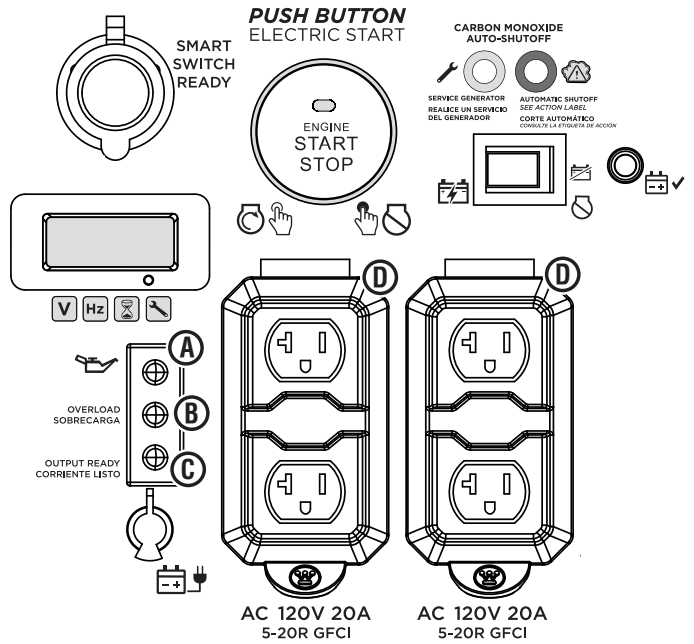
See Figures 22 - 23.

Do not overload the generator. If the generator is approaching or has reached an overload condition, the OVERLOAD LED on the control panel will illuminate.

If the generator is close to overloading, the OVERLOAD LED will blink. Turn off and remove one or more connected devices to decrease the load and resume normal operation. If the load is not reduced, the unit will reach an overload condition. To extend the service life of the generator, avoid running the unit near capacity.

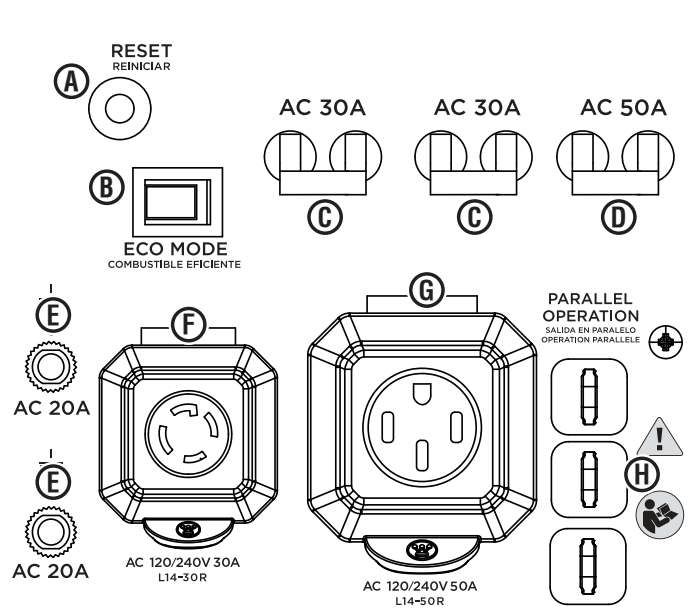
If the generator is overloaded or if there is a short circuit in a connected device, the OVERLOAD LED will turn solid, and the unit will automatically disconnect from the load. The engine will continue to run, but there will not be any electrical output.

FIG. 22



- A - Low Oil LED
- B - Overload LED
- C - Output ready LED
- D - 120 volt AC 20 amp GFCI receptacles

FIG. 23



- A - Reset button
- B - ECO mode switch
- C - 30 amp circuit breaker
- D - 50 amp circuit breaker
- E - 20 amp circuit breaker
- F - 120/240 volt AC 30 amp receptacle
- G - 120/240 volt AC 50 amp receptacle
- H - Parallel operation outlets

OPERATION

To restore electrical output after an overload:

- Remove any connected loads from the control panel receptacles.
- Push the RESET button on the control panel until the OVERLOAD LED goes OFF and the OUTPUT READY LED is illuminated.
- Reset the circuit breaker(s) if activated.
- Verify that the intended running and surge loads do not exceed the generator's capacity.
- Reconnect electrical loads sequentially, allowing the generator to stabilize after each load is connected.

CIRCUIT BREAKERS

See Figure 23.

The circuit breakers provide protection for individual circuits. The 20A breakers will activate if the duplex 120V receptacles and/or parallel operation outlets exceed 20 Amps. The 30A breakers limit the current that can be delivered through the L14-30R receptacles to 30Amps and the 50A breaker limits the current for the L14-50R receptacle to 50 Amps. If a circuit breaker activates, turn off the connected device, remove it from the port or outlet, and return the circuit breaker to on position.

PARALLEL OPERATION

See Figure 23.

⚠ WARNING Fire and electrocution hazard. Never connect or disconnect the parallel cord leads when a generator is running.

⚠ CAUTION Correct connection of the left and right cables is very important when the generators are used with a transfer switch to supply power to a building. To avoid serious personal injury or damage to electrical devices, including the generators, do not try to power an electrical system in a building without using an approved transfer switch.

NOTICE

Connecting to a generator that is not compatible can cause a low voltage output that can damage tools and appliances powered by the generator.

Parallel operation gives you the ability to link to a compatible Westinghouse generator for combined running and peak power output.

A Westinghouse 507PC (50-amp) or 304PC (30-amp) parallel cord (purchased separately) is required for parallel operation. This cord can be purchased from an authorized Westinghouse Generator dealer.

NOTE: Compatible Westinghouse generators without parallel ports can be operated in parallel with the receptacle-mounted parallel cable, Part# 260041.

Refer to the user manual included with your parallel cord or receptacle-mounted parallel cable for installation and operation instructions.

TRANSPORTING

- Turn off the generator.
- Allow the generator to cool a minimum of 30 minutes before transporting.
- Replace all protective covers on the generator control panel.
- Always use the generator's frame, not the handle, 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.
- Keep the unit level during transport to minimize the possibility of fuel leakage or, if possible, drain the fuel or run the engine until the fuel tank is empty before transport.

⚠ CAUTION Fire hazard. DO NOT up-end the generator or place it on its side. Fuel or oil can leak and damage to the generator may occur.

CARE AND MAINTENANCE

⚠ WARNING Accidental start-up. Disconnect the spark plug boot (see figure 27) from the spark plug when performing maintenance on the generator.

⚠ WARNING Replace damaged or worn items with recommended or equivalent replacement parts. Using an incorrect or incompatible part might create a hazard that could result in serious personal injury.

⚠ WARNING Allow hot components to cool for 30 minutes before performing any maintenance procedure.

⚠ WARNING Avoid skin contact with engine oil or gasoline. Wear protective clothing and equipment. Wash all exposed skin with soap and water. Prolonged skin contact with gasoline or engine oil may cause severe skin irritation and other adverse reactions.

NOTICE Check the physical condition of the product prior to each use. Look for loose bolts, fluid leaks, and other signs of wear. Replace all damaged items. For replacement parts or assistance, contact our customer service team.

To prolong the life of this product, follow the care and maintenance instructions in this section. Do not attempt to service or replace any recall or warranty parts. Such repairs must be performed by an authorized service center. Contact customer service for details.

CLEANING THE GENERATOR

Do not store or operate your generator in dirty, dusty, or corrosive environments. Do not allow foreign materials and debris to clog the vents on the unit.

NEVER clean the generator with a garden hose. Water can damage the generator's fuel system and electrical components. If the unit needs to be cleaned, use a soft brush and damp cloth to clean the exterior and use low pressure air (no greater than 25 psi) to clean the vents.

Never use gasoline as a cleaning agent.

CLEANING/REPLACING THE AIR FILTER

See Figure 24.

Keep air filter clean. A dirty air filter can cause poor performance and decrease the service life of the product. **NEVER operate the generator without an air filter in place.**

- Turn the generator off and allow the engine to cool for 30 minutes.
- Rotate the knob counterclockwise and remove the cover.

- Remove the air filter from the air cleaner housing and place it in a suitable cleaning container. **Replace the air filter if damaged.**

NOTE: The air filter may be covered in oil. Use an appropriate container.

- Wash the air filter by submerging the filter in a solution of household detergent soap and warm water. Slowly squeeze the filter to thoroughly clean.

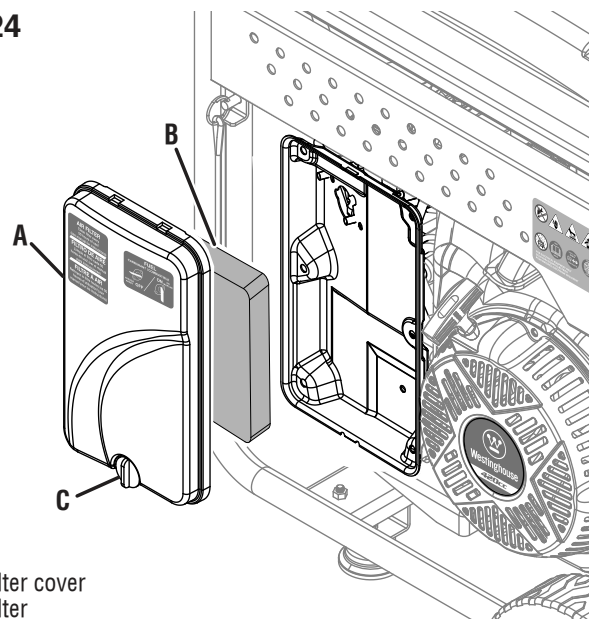
NOTICE DO NOT twist or tear the air filter during cleaning or drying. Only apply slow but firm squeezing action.

- Rinse the air filter by submerging it in fresh water and applying a slow squeezing action. Allow the filter to dry thoroughly.

NOTICE Do not pollute. Follow the guidelines of the EPA or other governmental agencies for proper disposal of hazardous materials. Consult local authorities or reclamation facility.

- Dip the air filter in clean engine oil then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter.
- Install the air filter in the air cleaner housing and reinstall the air filter cover.

FIG. 24



- A - Air filter cover
- B - Air filter
- C - Knob

CARE AND MAINTENANCE

CHANGING THE ENGINE OIL

See Figures 25 - 26.

For optimal performance, change the engine oil and oil filter according to the figures specified in the **maintenance schedule** or the engine manual (if applicable). When using the generator under extreme, dirty, dusty conditions or in extremely hot weather, change the oil more frequently.

NOTE: Change 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.

- Turn the generator off and allow the engine to cool for 30 minutes.
- Place the generator on a level surface in a well-ventilated area.

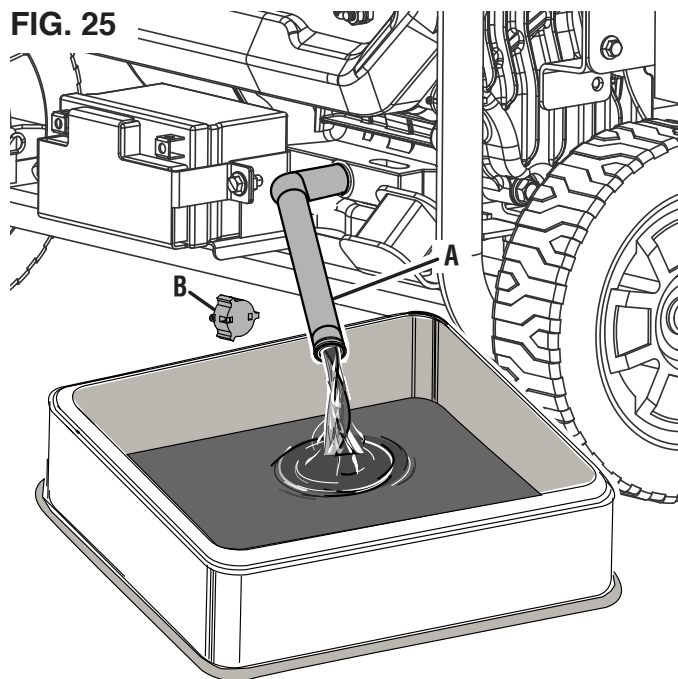
To change the engine oil:

- Clean the area around the oil dipstick.
- Slowly unscrew and remove the oil dipstick.
- Place an oil pan (or suitable container) under the oil drain hose.
- Unclip the oil drain hose and twist the cap counterclockwise to allow the oil to drain.
- Twist the cap clockwise to close. Secure the hose in the hose clip.
- Refill the oil as described in the *Operations* section.
- Replace the oil dipstick and hand-tighten.
- Clean up any spilled oil.

To change the oil filter:

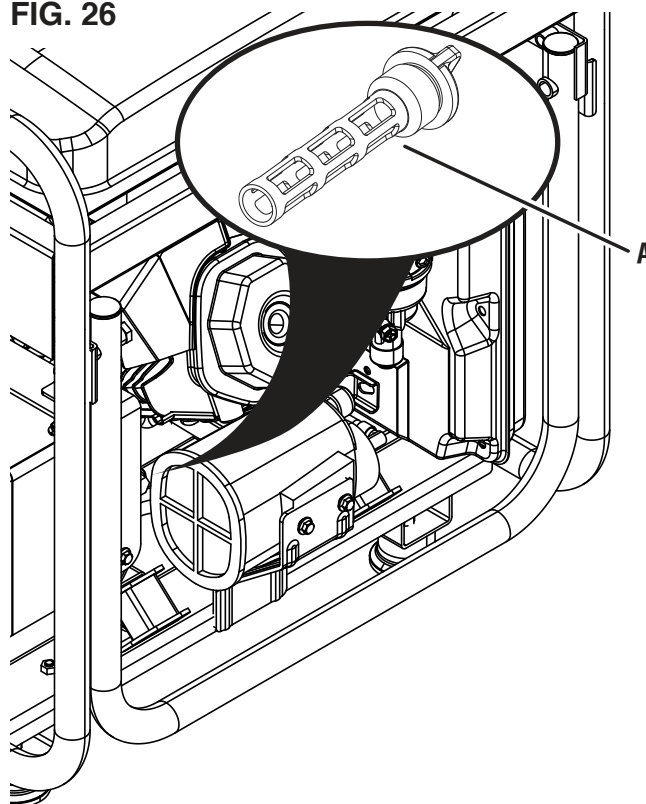
- Clean the area where the oil filter contacts the engine.
 - Remove the oil filter by rotating it counterclockwise.
 - Using a degreaser or gasoline, clean and inspect the screen on the oil filter.
- NOTE:** If the screen is damaged, the filter should be replaced. Contact customer service for a replacement filter.
- Install the oil filter and turn it clockwise until it is secure. **DO NOT** over tighten.
 - Refill the oil as described in the *Operations* section.
 - Replace the oil dipstick and hand tighten.
 - Clean up any spilled oil.

FIG. 25



A - Oil drain hose
B - Cap

FIG. 26



A - Oil filter

CARE AND MAINTENANCE

CLEANING/REPLACING THE SPARK PLUG

See Figure 27.

NOTICE

ALWAYS use the Westinghouse OEM or compatible non-resistor-type spark plug. Use of resistor-type spark plug can result in rough idling, misfire, or may prevent the engine from starting.

Make sure the spark is clean and properly gapped. To clean or replace your spark plug:

- Turn the generator off and allow the engine to cool for 30 minutes.
- Place the generator on a level surface in a well-ventilated area.
- Remove the spark plug boot by firmly pulling the spark boot directly away from the engine.
- Clean the area around the spark plug.
- Remove the spark plug with the included spark plug socket wrench.

NOTICE

Never apply any side load or move the spark plug laterally when removing the spark plug.

- Inspect the spark plug. Replace if electrodes are pitted, burned, or the insulator is cracked. Only use a recommended replacement plug.
- Measure the spark plug electrode gap with a wire-type feeler gauge. If necessary, correct the gap by carefully bending the side electrode.

Spark plug gap: 0.024 – 0.032 in. (0.60 – 0.80 mm)

- Carefully install the spark plug finger tight, then tighten as additional 3/8 to 1/2 turn with the spark plug wrench.
- Install the spark plug boot.

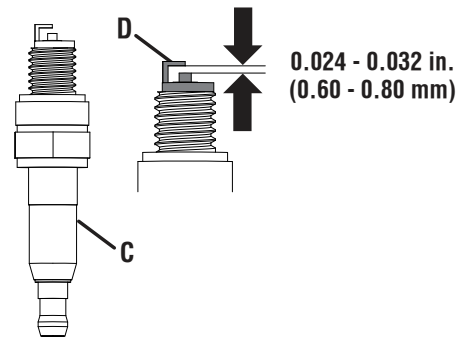
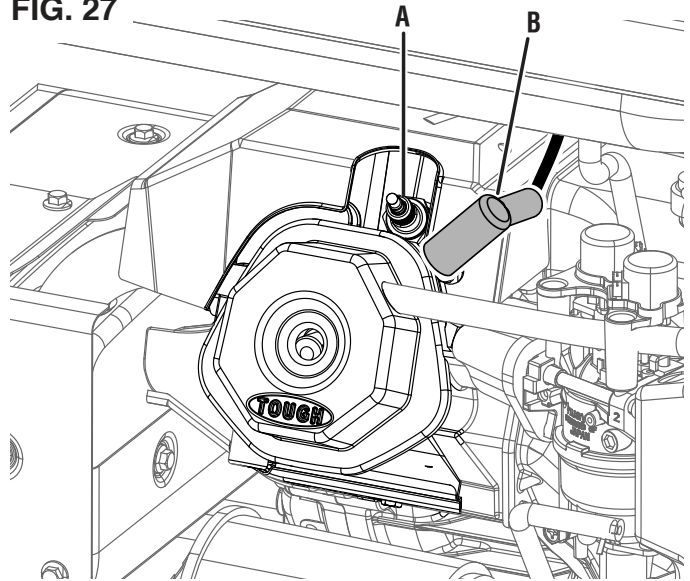
CLEANING THE SPARK ARRESTOR

See Figure 28.

Check and clean the spark arrestor according to the figures specified in the **Maintenance Schedule** or the engine manual (if applicable). Failure to clean the spark arrestor will result in degraded engine performance.

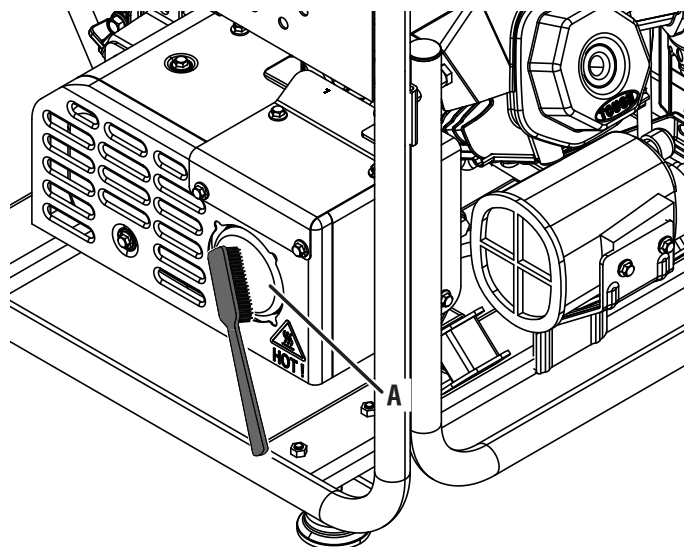
- Turn the generator off and allow the engine to cool for 30 minutes.
- Place the generator on a level surface in a well-ventilated area.
- Carefully remove the carbon deposits from the spark arrestor screen with a wire brush. The spark arrestor must be free of breaks and tears. Use compressed air to clear removed deposits.

FIG. 27



- A - Spark plug
- B - Spark plug boot
- C - Insulator
- D - Electrode

FIG. 28



- A - Muffler/spark arrestor

CARE AND MAINTENANCE

DRAINING THE FUEL TANK AND CARBURETOR FLOAT BOWL

See Figures 29 - 30.

⚠ WARNING ALWAYS store gasoline in a container approved for gasoline. Unapproved containers can break or deteriorate allowing gasoline or gasoline vapors to escape which can create a serious hazard.

Even properly stabilized fuel can leave residue and cause corrosion if left long term. If storing the generator for two to six months, drain the float bowl to prevent gum and varnish buildup in the carburetor. If storing the generator for longer than six months, drain the fuel tank to prevent fuel separation, deterioration, and deposits in the fuel system.

- Turn the generator off and allow the engine to cool for 30 minutes.
- Place the generator on a level surface in a well-ventilated area.

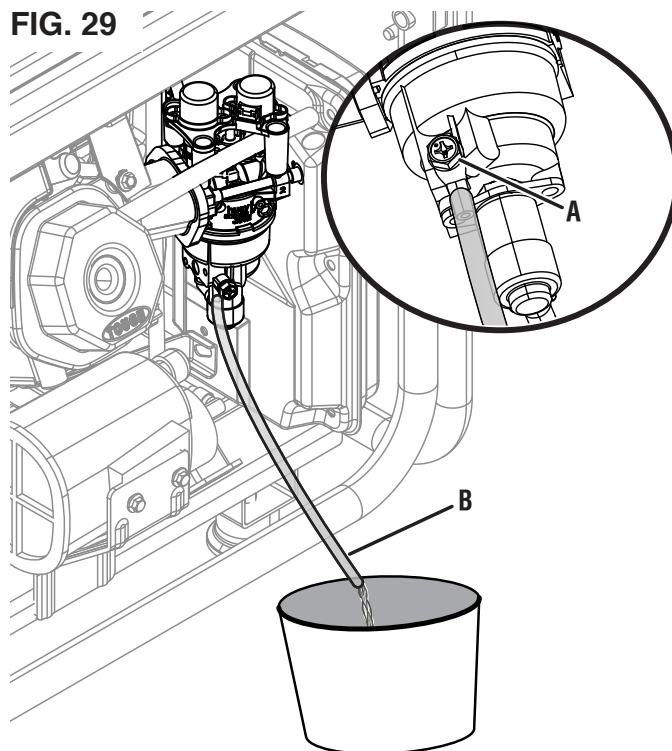
To drain the float bowl:

- Locate the drain hose extending from the bottom of the carburetor float bowl.
- Place the bottom end of the hose outside the generator into an approved gasoline container to catch the drained fuel.
- Loosen the float bowl drain screw and allow the fuel to drain. Tighten the float bowl drain screw.
- Route the drain hose between the control panel and the carbon canister.

To drain the fuel tank:

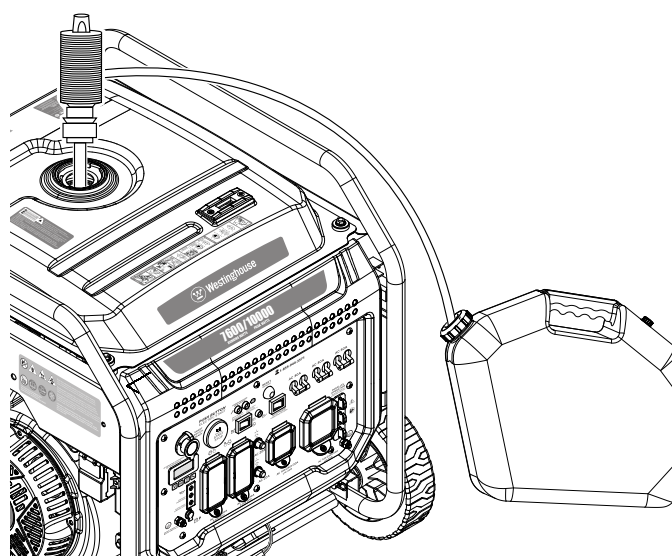
- Clean area around fuel cap and remove the cap slowly.
- Remove the fuel screen filter by slightly compressing it while removing it from the tank.
- Using a commercially available gasoline hand pump (not included), siphon the gasoline from the fuel tank into an approved gasoline container. **DO NOT** use an electric pump.
- Reinstall the fuel screen filter and the fuel tank cap.
- Clean up any spilled fuel.
- Start the generator and allow it to run until the generator engine stops.
- Push the battery switch to the OFF position.
- Disconnect the battery quick connect cable.

FIG. 29



A - Drain screw
B - Drain hose

FIG. 30



CARE AND MAINTENANCE

REPLACING THE FUEL VALVE

See Figure 31.

Overtime, the fuel filter inside the fuel valve may become dirty or clogged. To reduce the risk of engine failure, replace the entire fuel valve including the filter according to the figures specified in the **maintenance schedule** or the engine manual (if applicable).

- Turn the generator off and allow the engine to cool for 30 minutes.
- Drain the fuel tank as described previously.
- Locate the fuel valve and note the valve's orientation.
- **NOTE:** Place an approved gasoline container beneath the fuel valve to catch any remaining fuel.
- Using pliers, squeeze the fuel line clip and slide the fuel line away from the filter.
- Using a wrench (14 mm) [not included], loosen and remove the fuel valve from the tank.
- Thread the new fuel valve onto the fuel tank and tighten securely.
- Install the fuel line onto the new fuel valve.

CHECKING/ADJUSTING THE VALVE CLEARANCE

See Figures 32 - 33.

NOTICE

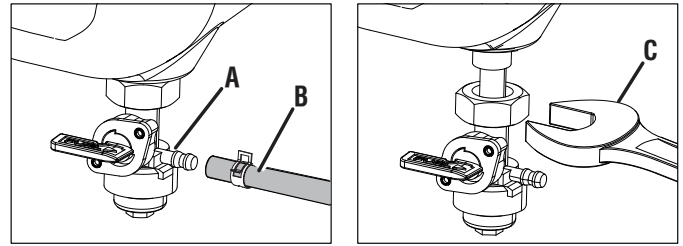
Checking and adjusting valve clearance must be done when the engine is cold.

- Turn the generator off and allow the engine to cool for 30 minutes.
- Place the generator on a level surface in a well-ventilated area.
- Remove the rocker arm cover and carefully remove the gasket. If the gasket is torn or damaged, it must be replaced.
- Remove the spark plug so the engine can be rotated more easily.
- 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).
- Both rocker arms should be loose at TDC on the compression stroke. If they are not, rotate the engine 360°.
- Insert a feeler gauge between the rocker arm and the valve stem to measure valve clearance.

	Intake Valve	Exhaust Valve
Valve Clearance	0.0031–0.0047 in (0.08–0.12 mm)	0.0051–0.0067 in (0.13–0.17 mm)
Torque	8–12 Nm	8–12 Nm

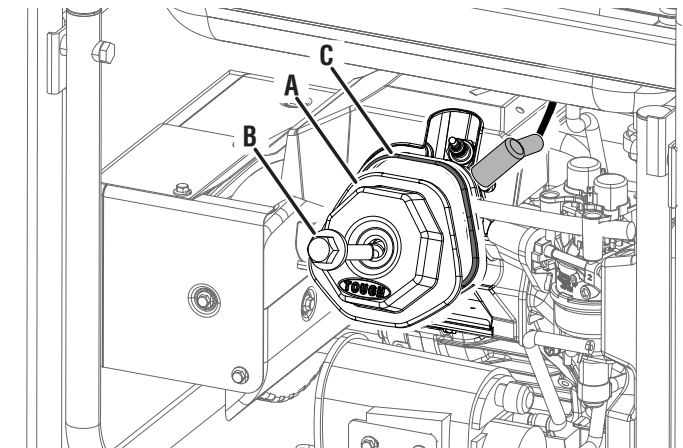
- If an adjustment is necessary, loosen the jam nut.
- Slide the appropriate feeler gauge between the rocker arm and the valve stem.
- Tighten the adjustment screw onto the push rod to obtain the specified clearance.

FIG. 31



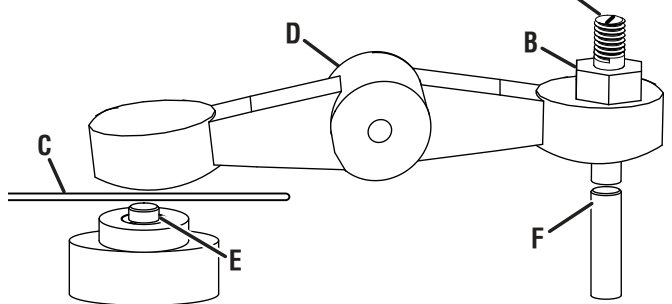
- A - Fuel valve
- B - Fuel line
- C - Wrench (14 mm) [not Included]

FIG. 32



- A - Rocker arm cover
- B - Bolt
- C - Gasket

FIG. 33



- A - Adjustment screw
- B - Jam nut
- C - Feeler gauge
- D - Rocker arm
- E - Valve stem
- F - Push rod

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

- Hold the adjustment screw in place and tighten the nut.
- **Torque: 106 inch-pound (12 Nm)**
- Recheck valve clearance.
- If no further adjustments are needed, perform this procedure on the other valve.
- When finished, install the gasket, rocker arm cover, and spark plug.

CARE AND MAINTENANCE

BATTERY MAINTENANCE

See Figure 34.

⚠ WARNING The battery gives off explosive hydrogen gas during normal operation. A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you. Wear protective clothing and a face shield, or have a skilled technician perform battery maintenance.

⚠ WARNING Burn hazard. The battery contains sulfuric acid (electrolyte) which is highly corrosive and poisonous. Wear protective clothing and eye protection when working near the battery. Keep children away from the battery.

⚠ WARNING NEVER smoke or work near sparks or other sources of ignition. NEVER touch both battery terminals at the same time with your hand or any non-insulated tools. If battery acid contacts skin or clothing, flush immediately with water and neutralize with baking soda.

The battery shipped with the generator has been fully charged. A battery may lose some charge when not in use for prolonged periods of time.

NOTE: Once started, the generator will charge the battery after 30–60 minutes of use.

When the generator is not running, the included trickle charger can remain connected and will maintain the battery for an indefinite period of time. A red light on the charger indicates charging in progress. A green light indicates charging complete. Charge in a dry location.

- Plug the charger into the battery charging port on the control panel.
- Plug the wall receptacle end of the battery charger into a 120 Volt AC wall outlet.

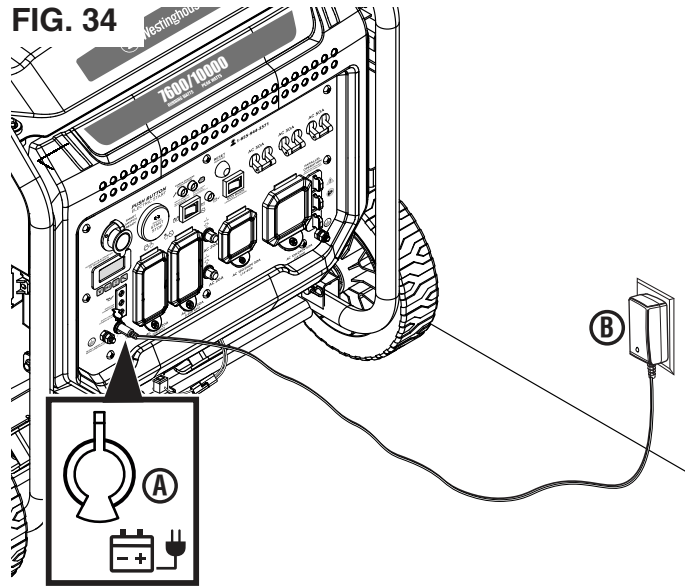
BATTERY REPLACEMENT

See Figure 35 .

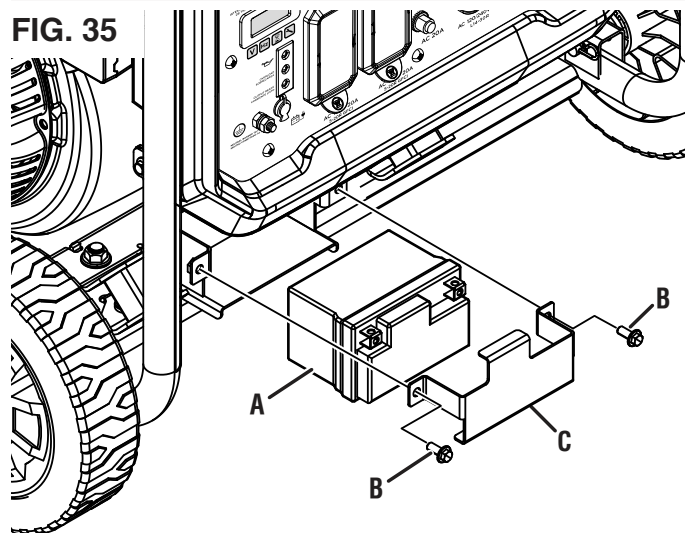
⚠ CAUTION Battery posts, terminals contain lead and lead compounds. Wash hands after handling.

- Remove the two battery plate bolts and battery plate. Tilt the battery forward and remove.
- Disconnect the negative (–) cable (black boot) from the negative (–) battery post.
- Disconnect the positive (+) battery cable (red boot) from the positive (+) battery post.

NOTICE Always connect the cables in the following sequence to avoid possible shock.



A - Battery charging port
B - Charger



A - Battery
B - Battery plate
C - Bolt

- On the replacement battery, connect the positive (+) battery cable (red boot) to the battery positive (+) terminal. Secure the boot over the battery post.
- Connect the negative (–) battery cable (black boot) to the negative (–) positive terminal. Secure the boot over the battery post.
- Install the battery in the battery tray. Install the battery plate and bolts. Tighten the bolts securely.

NOTICE Dispose of the used battery properly according to the guidelines established by your local or state government.

CARE AND MAINTENANCE

STORAGE

Turn the unit off and allow it to cool a minimum of 30 minutes before storage. Keep the unit upright. Do not store the generator on its side. Drain fuel before storing the unit. Store the unit and the fuel separately in well-ventilated areas away from sparks, open flames, pilot lights, heat, and other sources of ignition.

NOTICE

Gasoline stored for as little as 30 days can deteriorate, causing gum, varnish, and corrosive buildup in fuel lines, fuel passages, and the engine. This corrosive buildup restricts the flow of fuel, which can prevent the engine from starting after a prolonged storage period. The use of fuel stabilizer significantly increases the storage life of gasoline. Full-time use of fuel stabilizer is recommended. Follow the manufacturer's instructions for use.

STORAGE TIME	RECOMMENDED PROCEDURE
Less than 1 month	Replace all protective covers on the generator control panel. Clean the exterior of the generator and remove any debris from the muffler cooling vents.
2 to 6 months	Replace all protective covers on the generator control panel. Clean the exterior of the generator and remove any debris from the muffler cooling vents. Drain the carburetor float bowl. (Store gasoline in an approved gasoline container or dispose of it according to state and local ordinances.)
6 months or longer	Replace all protective covers on the generator control panel. Clean the exterior of the generator and remove any debris from the muffler cooling vents. Drain the carburetor float bowl and the fuel tank. (Store gasoline in an approved gasoline container or dispose of it according to state and local ordinances.) Put a tablespoon of engine oil into the spark plug cylinder. Gently pull the recoil handle to slowly turn the engine and distribute the lubricant. Reinstall the spark plug Change the engine oil.

MAINTENANCE SCHEDULE

Regular maintenance will improve performance and extend the service life of the generator. Follow the hourly or calendar intervals, whichever occurs first. More frequent service is required when operating in adverse conditions as noted below.

NOTE: If your product has a separate engine manual, disregard the information in this chart and follow the instructions in the engine manual.

	Before Each Use	After First 25 Hours or First Month	After 50 Hours or Every Six Months	After 100 Hours or Every Six Months	After 300 Hours or Every Year
Check Engine Oil	X				
Change Engine Oil ¹		X	X		
Clean Air Filter ²			X		
Inspect/Clean Spark Arrestor				X	
Inspect/Clean Spark Plug				X	
Inspect/Adjust Valve Clearance ³				X	
Replace Spark Plug					X
Replace Air Filter					X
Replace Oil Filter					X
Replace Fuel Valve				X	

¹ Change oil every month when operating under heavy load or in high temperatures.

² Clean more often under dirty or dusty conditions. Replace air filter if it cannot be adequately cleaned.

³ Recommend service to be performed by authorized Westinghouse service dealer.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTION
Engine starts, then shuts down	Fuel level is low or depleted.	Refuel.
	Incorrect engine oil level.	Check engine oil level.
	Dirty air filter.	Clean the air filter.
	Contaminated gasoline.	Drain the fuel tank. Refuel with fresh gasoline.
	Defective low oil level switch.	Contact Westinghouse customer service toll-free at 1 (855) 944-3571.
Engine lacks power	Air filter restricted.	Clean or replace air filter.
	Stale gasoline, generator stored without treating or draining gasoline, or refueled with bad gasoline.	Drain the fuel tank. Refuel with fresh gasoline.
	Fuel system malfunction, ignition malfunction, valves stuck, etc.	Contact Westinghouse customer service toll-free at 1 (855) 944-3571.
Engine will not start	Battery switch in the OFF position.	Turn battery switch to the ON position.
	Out of fuel.	Refuel.
	Stale gasoline, generator stored without treating or draining gasoline, or refueled with bad gasoline.	Drain the gasoline tank. Refuel with fresh gasoline.
	Dirty air filter.	Clean the air filter.
	Low engine oil level stopped generator.	If LOW OIL LED illuminated, turn the battery switch to the OFF position. Add engine oil.
	Spark plug wet with fuel (flooded engine).	Wait five minutes. Turn the battery switch to the OFF position. Pull recoil handle rapidly several times. If the generator does not start, remove spark plug and dry.
	Spark plug faulty, fouled, or improperly gapped.	Gap or replace the spark plug. Reinstall.
	Fuel system malfunction, ignition malfunction, valves stuck, etc.	Contact Westinghouse customer service toll-free at 1 (855) 944-3571.
	CO sensor removed or modified.	Return to original configuration.
	CO sensor activated or system fault occurred.	Relocate generator / Contact Westinghouse customer service toll-free at 1 (855) 944-3571.
Engine runs rough or bogs when load applied	Dirty air filter.	Clean the air filter.
	Generator overloaded.	Unplug some devices.
	Faulty power tool or appliance.	Replace or repair tool or appliance. Stop and restart the engine.
	Fuel system malfunction, ignition malfunction, valves stuck, etc.	Contact Westinghouse customer service toll-free at 1 (855) 944-3571.
No power at AC receptacles	OUTPUT READY LED is OFF and OVERLOAD LED is ON.	Check AC load. Stop and restart engine.
		Check the air inlet. Stop and restart the engine.
	AC circuit breaker/s tripped.	Check AC loads and reset circuit breaker/s.
	Faulty power tool or appliance.	Replace or repair tool or appliance. Stop and restart the engine.
Faulty generator.	Contact Westinghouse customer service toll-free at 1 (855) 944-3571.	



www.WestinghouseOutdoorPower.com

Service Hotline: (855) 944-3571

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