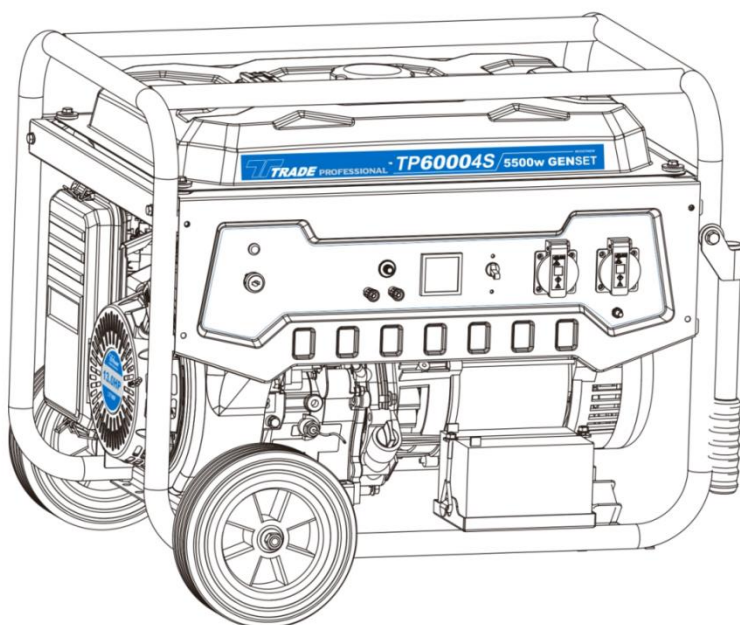
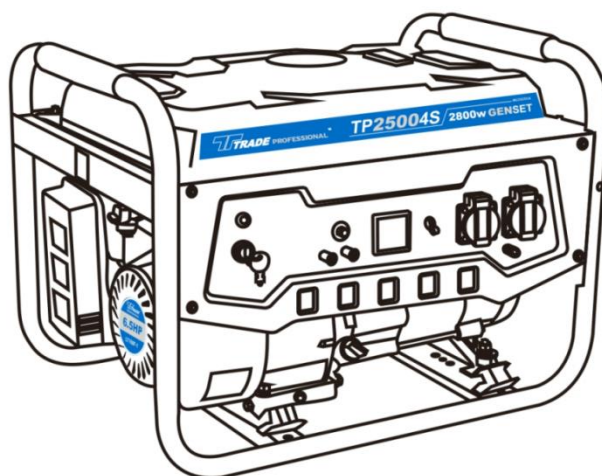
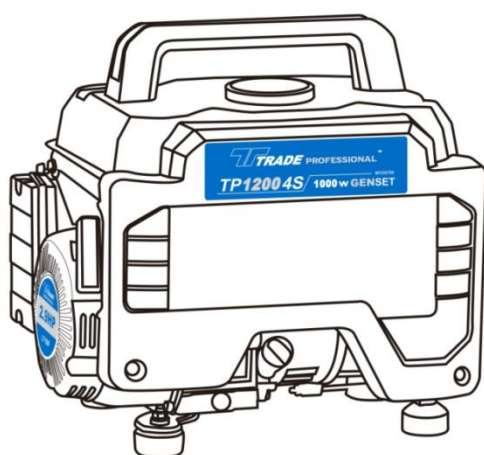




Petrol Generating Set Owner's Manual

MCOG702 / MCOG701A / MCOG706EW / MCOG707EW / MCOG708EW



**PLEASE READ THESE OPERATING INSTRUCTIONS BEFORE USING THE MACHINE
FOR THE FIRST TIME AND KEEP THEM WITH THE MACHINE AT ALL TIMES**

Thank you for purchasing a TRADE PROFESSIONAL generator. We want to help you get the best results from your new generator and to operate it safely.


This manual contains the information on how to do that; please read it carefully.

All information and specifications in this publication is based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice and without incurring any obligation. No part of this publication may be reproduced without written permission.

This manual should be considered a permanent part of the generator and should remain with it if it is resold.

Safety Messages

Your safety and the safety of others are very important. We have provided important safety messages in this manual and on the generator. Please read these messages carefully.

A safety message alerts you to potential hazards that could hurt you or others. Each safety message is preceded by a safety alert symbol  and one of three words: DANGER, WARNING, or CAUTION. These mean:



You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.



You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.



You CAN be HURT if you don't follow instructions.

Damage Prevention Messages

Other important messages are preceded by the word NOTICE.
This word means:



Your generator or other property could be damaged if you don't follow instructions.

The purpose of these messages is to help prevent damage to your generator, other properly, or the environment.

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1. SAFETY

The generators are designed to give safe and dependable service if operated according to instructions. Read and understand this owner's manual before operating your generator. You can help prevent accidents by being familiar with your generator's controls, and by observing safe operating procedures.

Operator Responsibility

- Know how to stop the generator quickly in case of emergency.
- Understand the use of all generator controls, output receptacles and connections.
- Be sure that anyone who operates the generator receives proper instruction. Do not let children operate the generator without parental supervision. Keep children and pets away from the area of operation.
- Place the generator on a firm, level surface and avoid loose sand or snow. If the generator is tilted or overturned, fuel spillage may result. Also, if the generator is overturned or sinks into a soft surface, sand, dirt, or water may enter the generator.

Carbon Monoxide Hazards

- Exhaust contains poisonous carbon monoxide. A colourless and odorless gas. Breathing exhaust fumes can cause loss of consciousness and may lead to death.
- If you run the generator in an area that is confined or partially enclosed, the air you breathe could contain a dangerous amount of exhaust gas. To keep exhaust gas from building up provide adequate ventilation.

Electric Shock Hazards

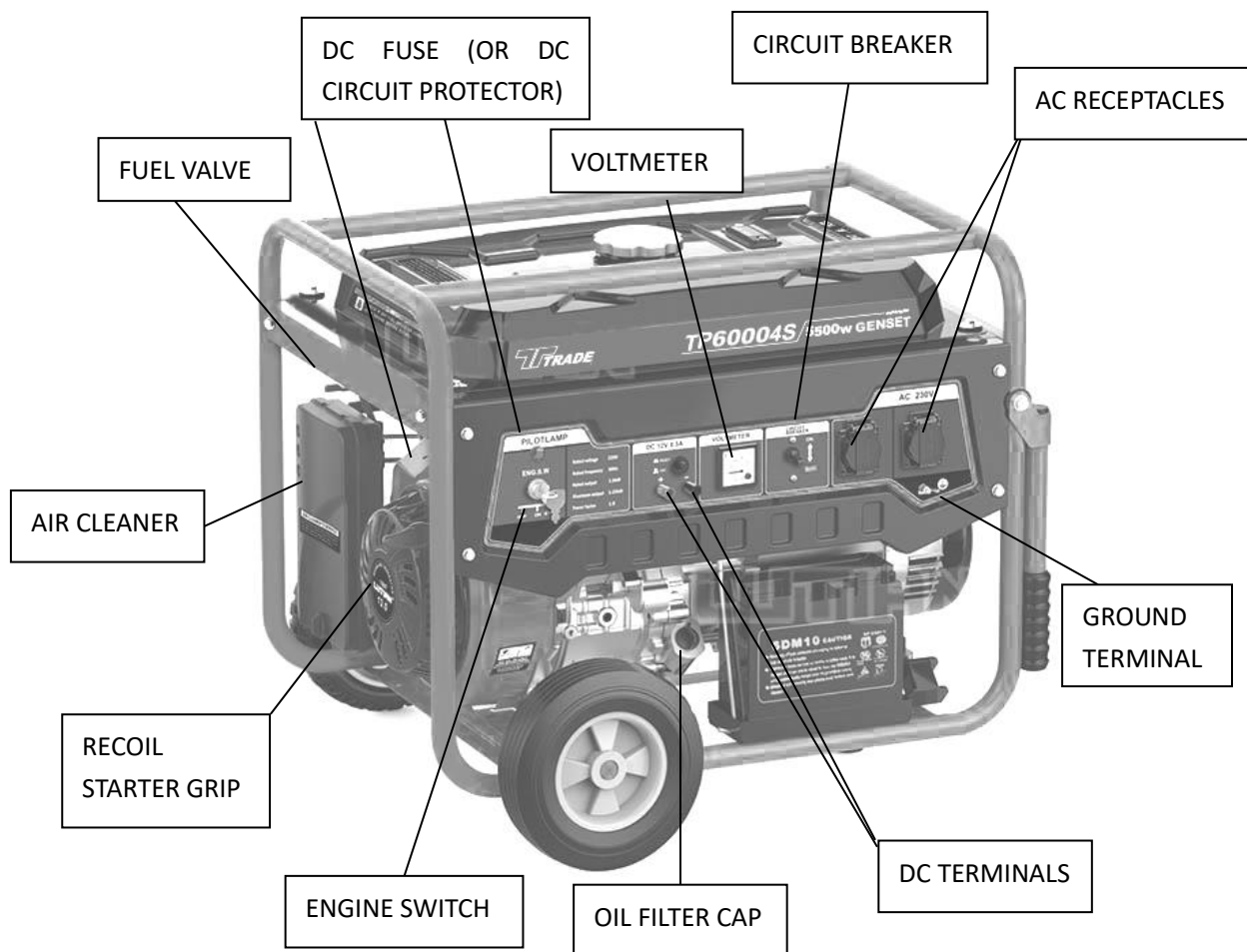
- The generator produces enough electric *power to cause* a serious shock or electrocution if misused.
- Using a generator electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet: could result in electrocution. Keep the generator dry.
- If the generator is stored outdoors, unprotected from the weather, check all electrical components on the control panel before each use. Moisture or ice can cause a malfunction or short circuit in electrical components which could result in electrocution.
- Do not connect to a building's electrical system unless an isolation *switch has*

been installed by a qualified electrician.

Fire and Burn Hazards

- The exhaust system gets hot enough to ignite some materials.
 - Keep the generator at least 1 meter (3 feet) away from buildings and other equipment during operation.
 - Do not enclose the generator in any structure.
 - Keep flammable materials away from the generator.
- The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before storing the generator indoors-.
- Petrol is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the generator is refueled or where petrol is stored. Refuel in a well-ventilated area with the engine stopped.
- Fuel vapors are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the generator.

2. COMPONENT IDENTIFICATION



NOTE: Diagrams may vary according to the types.

3. CONTROLS

1) Engine Switch

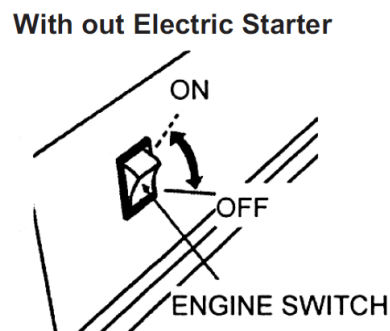
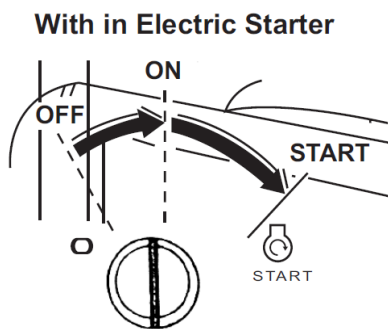
To start and stop the engine.

Switch position:

OFF: To Stop the engine. Key can be removed/inserted.

ON: To run the engine after starting.

START: To start the engine by turning the starter motor.



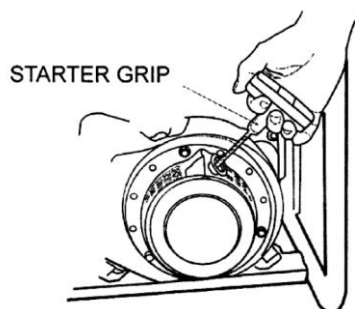
Return the key to the ON position once the engine has started. Do not use the starter for more than 5 seconds at a time. If the engine fails to start, release the switch and wait 10 seconds before operating the starter again.

2) Recoil Starter

To start the engine, pull the starter grip lightly until resistance is felt, then pull briskly.

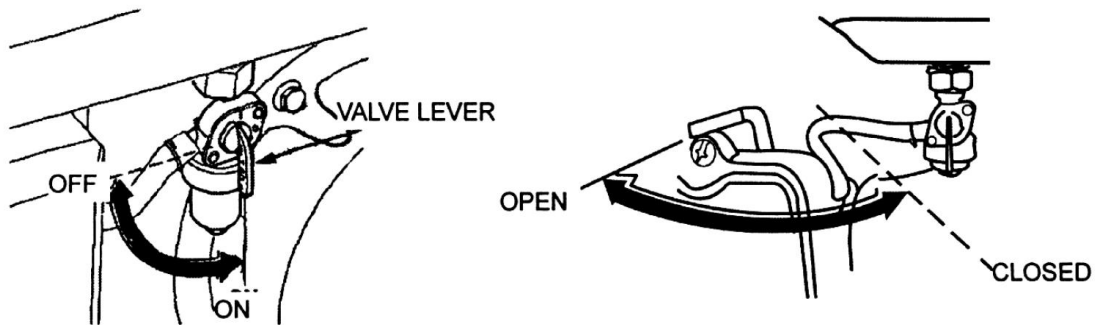
NOTICE

Do not allow the starter to snap back against the engine. Return it gently to prevent damage to the starter.



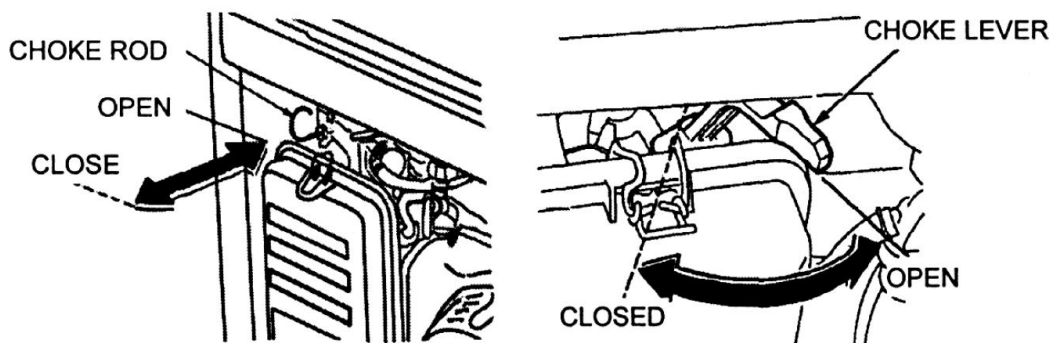
3) Fuel Valve

The fuel valve is located between the fuel tank and carburetor. When the valve lever is in the ON position, fuel is allowed to flow from the fuel tank to the carburetor. Be sure to return the lever to OFF after stopping the engine.



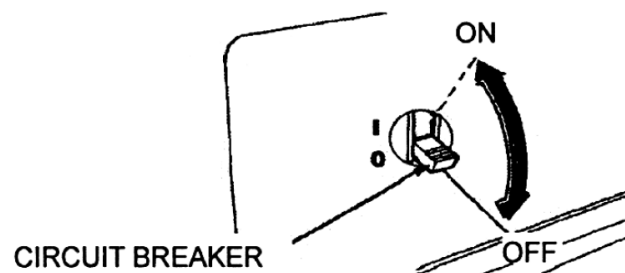
4) Choke

The choke is used to provide an enriched fuel mixture when starting a cold engine. It can be opened and closed by operating the choke lever or choke rod manually. Move the lever or the rod to the CLOSE position to enrich the mixture.



5) Circuit Breaker

The circuit breaker will automatically *switch OFF* if there is a short circuit or a significant overload of the generator at the receptacle. If the circuit breaker is switched OFF automatically, check that the appliance is working properly and does not exceed the rated load capacity of the circuit before switching the circuit breaker ON again. The circuit breaker may be used to switch the generator power ON or OFF,



6) Ground Terminal

The generator ground terminal is connected to the panel of the generator, the metal non-current carrying parts of the generator, and the ground terminals of each receptacle. 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.

7) Oil Alert System

The oil alert system is designed to prevent engine damage caused by an insufficient amount of oil in the crankcase. Before the oil level in the crankcase can fall below a safe limit the oil alert system will automatically shut down the engine (the engine switch will remain in the ON position). The oil alert system shuts down the engine and the engine will not start. If this occurs, first check engine oil.

4. GENERATOR USE

1) Connections to a Building's Electrical System

Connections for standby power to a building's electrical system must be made by a qualified electrician. The connection must isolate the generator power from utility power and must comply with all applicable laws and electrical codes.



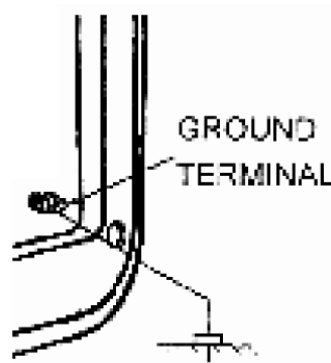
Improper connections to a building's electrical system, can allow electrical current from the generator to feedback into the utility lines, such feedback may electrocute utility company workers or others who contact the lines during a power outage. Consult the utility company or a qualified electrician.



Improper connections to a building's electrical system can allow electrical current from the utility company to feedback into the generator. When utility power is restored, the generator may explode, burn, or cause fires in the building's electrical system.

2) Ground System

To prevent electrical shock from faulty appliances, the generator should be grounded. Connect a length of heavy wire between the ground terminal and the ground source. The generators have a system ground that connects generator frame components to the ground terminals, in the AC output receptacles. The system ground *is not* connected to the AC neutral wire. If the generator is tested by a receptacle tester, it will not show the same ground circuit condition as for a home receptacle.



Special Requirements

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

- In some areas, generators are required to be registered with local utility companies.
- If the generator is used at a construction site, there may be additional regulations which must be observed

2) AC Applications

Before connecting an appliance or power to the generator:

- Make sure that it is in good working order. Faulty appliances or power cords can create a potential for electrical shock.
- If an appliance begins to operate abnormally, becomes sluggish or stops suddenly, turn it off immediately. Disconnect the appliance, and determine whether the problem is the appliance, or if the rated load capacity of the generator has been exceeded.
- Make sure that the electrical rating of the tool or appliance does not exceed that of the generator. Never exceed the maximum power rating of the generator. Power levels between rated and maximum may be used for no more than 30 minutes.

NOTICE

Substantial overloading will switch off the circuit breaker. Exceeding the time limit for maximum power operation or slightly overloading the generator may not switch the- circuit breaker OFF, but will shorten the service life of the generator.

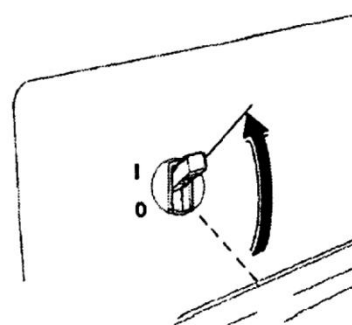
Limit operation requiring maximum power to 30 minutes.

For continuous operation, do not exceed the rated power

In either case the total power requirements (VA) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model number or serial number.

4) AC Operation

- ①. Start the engine
- ②. Switch the AC circuit breaker ON
- ③. Plug in the appliance

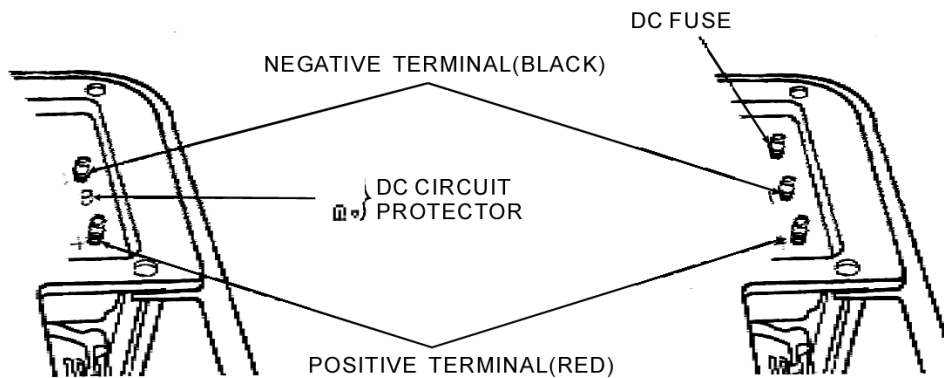


Most motorized appliances require more than their rated wattage for startup.

Do not exceed the current limit specified for any one receptacle. If an overloaded circuit causes the AC circuit breaker to switch OFF, reduce the electrical *load* on the circuit, wait a few minutes and then reset the circuit breaker.

5) DC OPERATION**DC Terminals**

The DC terminals may ONLY be used for charging 12 volt automotive type batteries. The terminals are colored red to identify the positive (+) terminal and black to identify the negative (-) terminal. The battery must be connected to the generator DC terminals with the proper polarity (battery positive to generator red terminal and battery negative id the generator black terminal).

With DC Circuit Protector**With DC Fuse****DC circuit protector (or DC Fuse)**

The DC circuit protector (or DC Fuse) automatically shuts off the DC battery charging circuit when the DC circuit is overloaded, when there is a problem with the battery, or the connections between the battery and the generator are improper.

The indicator inside the DC circuit protector button will pop out to show that the DC circuit: protector has switched off. Wait a few minutes and push the button in to reset the DC circuit protector.

Connecting the battery cables:

- ①. Before connecting charging cables to a battery that is installed in a vehicle
Disconnect the vehicle's grounded battery cable.

**WARNING**

The battery gives off explosive gases; keep both flames and cigarettes away. Provide adequate ventilation when charging batteries.

- ②. Connect the positive (+) battery cable to the battery positive (+) terminal.
- ③. Connect the other end of the positive (+) battery cable to the generator
- ④. Connect the negative (-) battery cable to the battery negative (-) terminal.
- ⑤. Connect the other end of the negative (-) battery cable to the generator
- ⑥. Start the generator.

NOTICE

Do not start the vehicle while the battery charging cables are connected and the generator is running. The vehicle or the generator may be damaged.

An overloaded DC circuit will fuse the DC fuse, if this happens, replace fuse. An overloaded DC, excessive current draw by the battery, or a wiring problem will trip the DC circuit protector (PUSH button extends out). If this happens, wait a few minutes before pushing in the circuit protector to resume operation. If the circuit protector continues to go OFF, discontinue and see your authorized generator dealer.

Disconnecting the battery cables:

1. Stop the engine,
2. Disconnect the negative (-) battery cable from the generator negative (-) terminal.
3. Disconnect the other end of the negative (-) battery cable from the battery negative (-) terminal.
4. Disconnect the positive (+) battery cable from the generator positive (+) terminal,
5. Disconnect the other end of the positive (+) battery cable to the battery positive(+) terminal.
6. Connect the vehicle ground cable to battery negative (-) terminal.
7. Reconnect the vehicle grounded battery cable.

6) High Altitude Operation

At high altitude, the standard carburetor air-fuel mixture will be excessively rich. Performance will decrease, and fuel consumption will increase.

High altitude performance can be improved by installing a smaller diameter main fuel jet in the carburetor and readjusting the pilot screw, If *you* always operate the engine at attitudes higher than 5000 feet (1500 meters) above sea level, have an authorized repair agent perform this carburetor modification.

Even with suitable carburetor jetting, engine horsepower will decrease approximately 3.5% for each 1000 foot (300 meter) increase in altitude. The effect of altitude on horsepower will be greater than this if no carburetor modification is made.

NOTICE

If an engine jetted for high altitude is used at a lower altitude, the lean air fuel mixture will reduce performance and may overheat and seriously damage the engine,

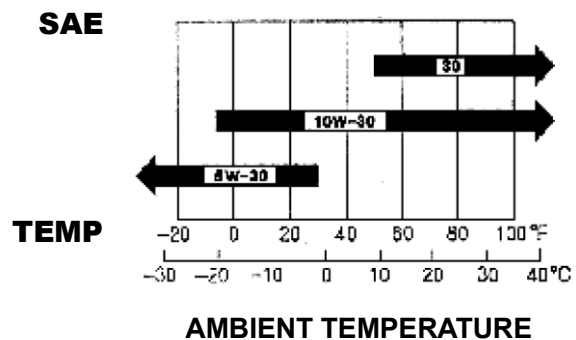
5. PRE-OPERATION CHECK

1) Engine oil

NOTICE

Engine oil is a major factor affecting engine performance and service life. Non detergent and 2-stroke engine oils will damage the engine and are not recommended.

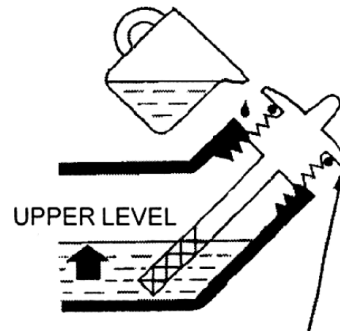
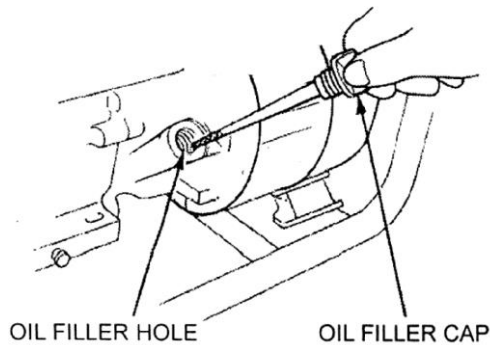
Check the oil level BEFORE EACH USE with the generator on a level surface with the engine stopped.



Use 4-stroke oil, or equivalent high detergent, premium quality motor oil certified to meet or exceed automobile requirements. Cot Service Classification SG. SF/CC. CD. Motor oils classified SG SF/CC, CD will show this designation on the container.

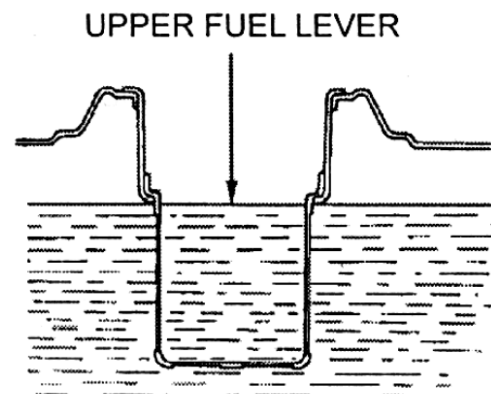
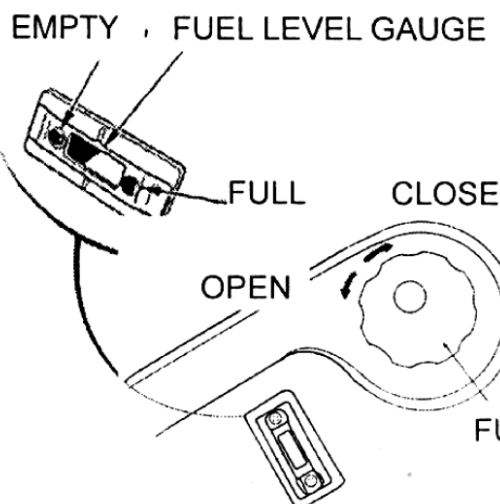
SAE 10W 3D is recommended for general temperature use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

1. Remove the oil filler cap and wipe the dipstick clean.
2. Check the oil level by inserting the dipstick into the filler neck without screwing it in
3. If the level is low, add the recommended oil to the upper mark on the dipstick.



2) Fuel Recommendation

- Check the fuel level gauge.
- Refill the tank if the fuel level is low. Do not fill above the shoulder of the fuel strainer. Petrol is extremely flammable and is explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the engine is refueled or where gasoline is stored.
- Do not overfill the fuel tank (there should be no fuel in the filler neck). After refueling make sure the tank cap is closed properly and securely. Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any
- fuel is spilled, make sure the area is dry before starting the engine.
- Avoid repeated or prolonged contact with skin or breathing of vapor.
- KEEP OUT OF REACH OF CHILDREN.



Use petrol with a pump octane rating of 86 or higher.

We recommend unleaded gasoline because it produces fewer engine and spark plug deposits and extends exhaust system life.

Never use stale or contaminated petrol or oil/petrol mixture. Avoid getting dirt or water in the fuel tank.

Occasionally *you* may hear light 'spark knock' or 'pinging' (metallic rapping noise) while operating under heavy loads. There is no cause for concern if spark knock or pinging occurs at a steady engine speed. Under normal load, change brands of petrol. If spark knock or pinging persists, see an authorized generator dealer.

NOTICE

Running the engine with persistent spark knock or pinging can cause engine damage.

Running the engine with persistent spark knock or pinging is misuse, and the Distributor's Limited Warranty does not cover parts damaged by misuse

Oxygenated Fuels

Some petrol blends with alcohol or an ether compound to increase the octane are collectively referred to as oxygenated fuels. These fuels help to meet clean air standards. If you use an oxygenated fuel, be sure its pump octane rating is 86 or higher.

Ethanol (ethyl or grain alcohol)

Petrol containing more than 10% ethanol by volume *may* cause starting or performance problems.

Methanol (methyl or wood alcohol)

Petrol containing methanol must contain solvents and corrosion inhibitors to protect the fuel system. Petrol containing more than 5¼ methanol by volume may cause starting and/or performance problems and may damage metal, rubber and plastic parts of *your* fuel system.

MTBE (methyl tertiary butyl ether)

You MAY use petrol containing up to 15% MTBE by Volume.

Before using an oxygenated fuel, try to confirm the fuel's contents. If you notice any undesirable operating symptoms, switch to a conventional unleaded petrol. Fuel system damage or performance problems resulting from the USE Of an oxygenated fuel are not covered under the warranty.

NOTICE

Oxygenated fuels can damage paint and plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under warranty.

6. STARTING/STOPPING THE ENGINE

Starting the engine

- ①. Make sure that AC circuit breaker IS IN THE OFF position.
The generator may be hard to start if a load is connected.
- ②. Turn the fuel valve to the- ON position
- ③. Turn the choke lever or to the CLOSE position, or pull the choke roc out to the CLOSE position.
- ④. Start the engine

With recoil starter:

Turn the engine switch to the ON position.

Pull the starter grip until compression is felt, then pull briskly.

NOTICE

Do not allow the starter grip to snap back against the engine. Return, it gently to prevent damage to the housing.

With electric starter (Optional kit)

Turn the engine switch to the START position and hold it there for 5 seconds or until the engine starts.

NOTICE

Operating starter motor for more than 5 seconds, can damage the motor. If the engine fails to start, release the switch and wait 10 seconds before operating the starter again. If the speed of the starter motor drops after a period of time, it indicates that the battery should be recharged.

When the engine starts, allow the engine switch to return to the ON position.

Turn the choke lever or push the choke rod to the OPEN position as the engine warms up.

Stopping the engine**In an emergency:**

To stop the engine in an emergency, move the engine switch to the OFF position.

In normal use:

- ①. Turn the AC circuit breaker to the OFF position.
Disconnect the DC battery charging cables.
- ②. Turn the engine switch to the OFF position.
- ③. Turn the fuel valve to the OFF position.

7. MAINTENANCE

Good maintenance is essential for safe, economical, and trouble-free operation. It will also help reduce air pollution.

**WARNING**

Exhaust gas contains poisonous carbon monoxide, Shut off the engine before performing any maintenance. If the engine must be run, make sure the area is well ventilated.

Periodic maintenance and adjustment is necessary to keep the generator in good operating condition. Perform the service and inspection at the intervals shown in the maintenance schedule below.

1) MAINTENANCE SCHEDULE

REGULAR SERVICE PERIOD Performed at every indicated month or operating hour interval whichever comes first		Each use	First month or 20 Hrs	Every 3 months or 50 Hrs.	Every 6 months or 100 Hrs.	Every year or 300 Hrs
ITEM						
Engine Oil	Check level	O				
	Change		O		O	
Air cleaner	Check	O				
	Clean			0(1)		
Sediment Cup	Clean				O	
Spark plug	Check.-Clean				O	
Spark arrester (optional parts)	Clean				O	
Valve Cleaner	Check-Adjust					O(2)
Fuel tank and strainer	Clean					O(2)
Fuel line	Check	Every 2 years (replace if necessary (2))				

- (2) Service- more frequently when used in dusty areas.
- (2) These items should be serviced by an authorized r, unless the owner has the proper tools and is mechanically proficient.
- (3) For professional commercial use, long hours of operation to determine proper maintenance intervals



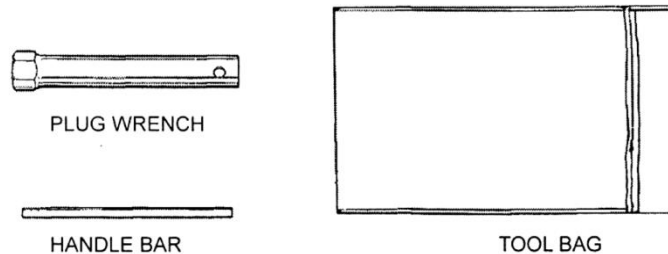
WARNING

Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always follow the-inspection and maintenance recommendations and schedules in this owner's manual.

The maintenance schedule applies to normal operating conditions. If you operate your generator under severe conditions, such as sustained high-load or high temperature operation, or use it in unusually wet or dusty conditions, consult your authorized repair agent for recommendations applicable to your individual needs and use.

2) Tool kit

The tools supplied with the generator will help you to perform the owner maintenance procedures listed on the following page. Always keep his tool kit with the generator.

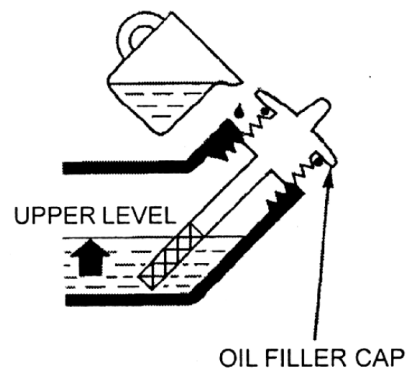
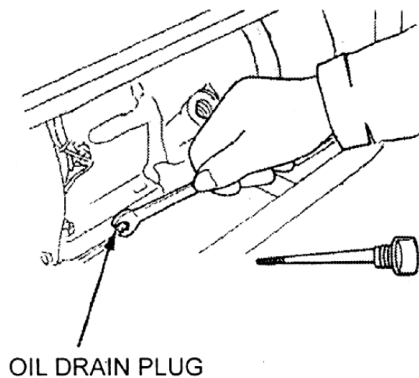


NOTE: Diagrams may vary according to the types.

3) Engine oil change

Drain the oil while the engine is warm to assure complete and rapid draining.

1. Remove the drain plug and sealing washer, oil filler cap, and drain the oil.
2. Reinstall the drain plug and sealing washer. Tighten the plug securely.
3. Refill with the recommended oil and check the oil level.



Used motor oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.

Please dispose of used motor oil in a manner that is compatible with the environment.

We suggest you take it in a sealed container to your local service station or recycling center for reclamation. Do not throw it in the trash or pour it onto the ground.

4) Air cleaner service

A dirty air cleaner will restrict air flow to the carburetor. To prevent carburetor malfunction service the air cleaner regularly. Service more frequently when operating the generator in extremely dusty areas.

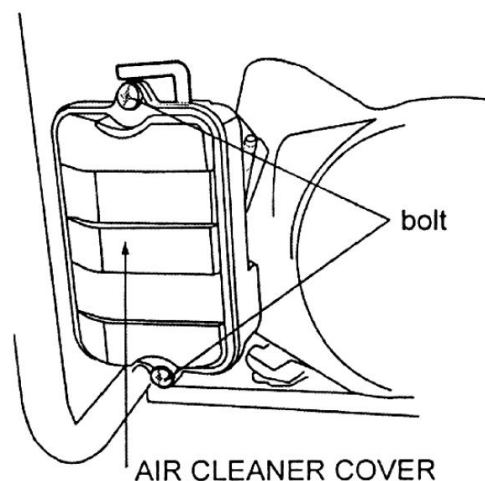
**WARNING**

Using petrol or flammable solvent to dean the filter element can cause a fire or explosion. Use only soapy water or nonflammable solvent.

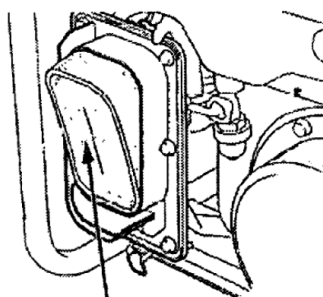
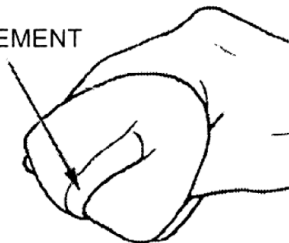
NOTICE

Never run the generator without the air cleaner. Rapid engine wear will result.

- ① Unsnap the air cleaner cover clips, remove the air cleaner cover, and remove the element.
- ② Wash the element in a solution of household detergent; and warm water, then rinse thoroughly; or wash in nonflammable or high flash point solvent. Allow element to dry thoroughly.
- ③ Soak the element in clean engine oil and squeeze out the excess oil. The engine will smoke during initial start-up if too much oil is left in the element.
- ④ Reinstall the air cleaner element and the cover



ELEMENT

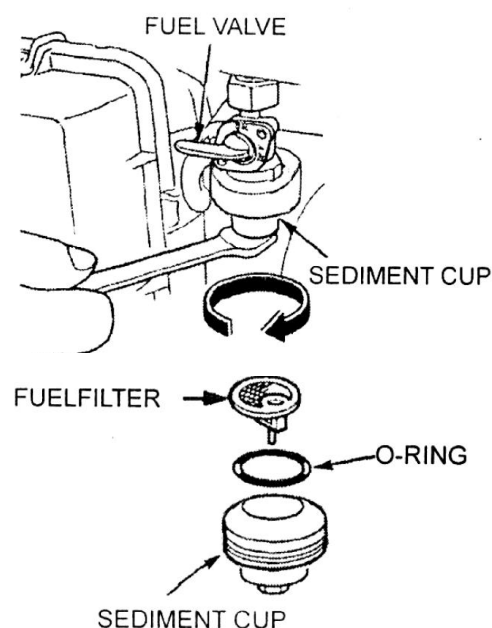


AIR CLEANER ELEMENT

5) Fuel Sediment Cup Cleaning

The sediment cup prevents dirt water which may be in the carburetor. If the engine has not been run for a long time, the sediment -cup should tie cleaned.

- ①. Turn the fuel valve to the OFF position
Remove the sediment cup, and O-ring.
- ②. Clean the sediment cup and O-ring in non flammable or high flash point solvent.
- ③. Reinstall O-ring, and sediment cup.
- ④. Turn the fuel valve ON and check for leaks



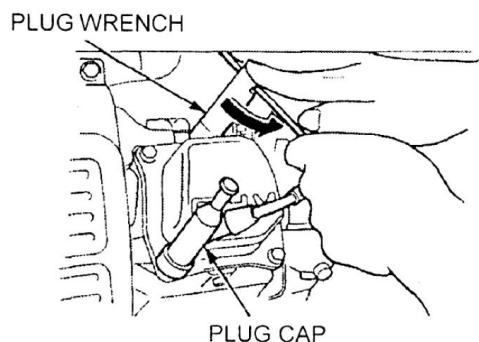
6) Spark Plug Service sediment cup

Recommended spark plugs: F5T or F6TC or F7TJC or T or other equivalents

To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

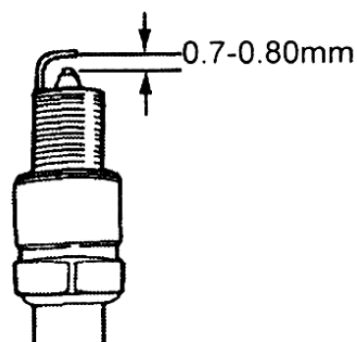
If the engine has been running, the muffler *will* be very hot. *Be* careful not to touch the muffler.

- ①. Remove the spark plug *cap*.
- ②. Clean any dirt from around the spark plug base.
- ③. Use the wrench supplied in the tool kit to remove the spark plug.



- ④. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean the spark plug with a wire brush if it is to be reused.

- ⑤. Measure the plug gap with a feeler gauge. Correct as necessary by carefully bending side electrode.



The gap should be: 0.70-0.60 mm {0.026-0.031 in}.

- ⑥. Check that the spark plug washer is in good condition, and thread the spark plug in by hand to prevent cross-threading.
- ⑦. After the spark plug is seated tighten with a spark plug wrench to compress the washer.

If installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer. If reinstalling a used spark plug, tighten 1/8 -1/4 turn after the spark plug seats to compress the washer.

NOTICE

The spark plug must be securely tightened. An improperly tightened spark plug can become very hot and could damage the engine. Never use spark plugs which have an improper heat range, use only the recommended spark plugs or equivalent.

8. TRANSPORTING/STORAGE

When transporting the generator, turn the engine switch and the fuel valve OFF. Keep the generator level to prevent fuel spillage. Fuel vapor or spilled fuel may ignite.



WARNING

Contact with a hot engine or exhaust system can cause serious burns or fires. Let the engine cool before transporting or storing the generator,

Take care not to drop or strike the generator when transporting. Do not place heavy objects on the generator.

Before storing the unit for an extended period:

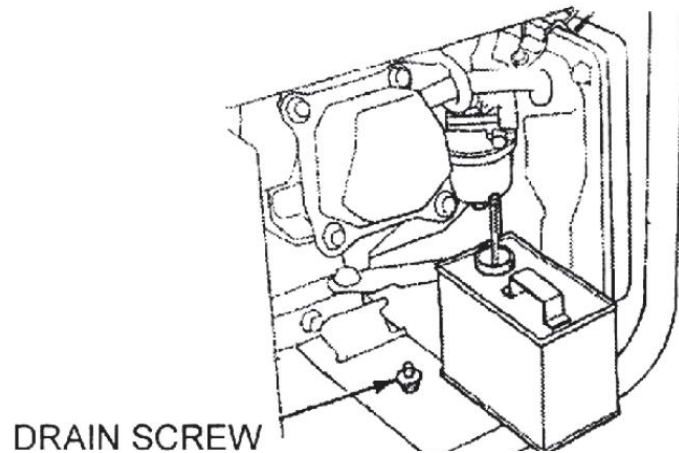
- Be sure the storage area is free of excessive humidity and dust.
- Service according to the table below

STORAGE TIME	RECOMMENDED SERVICE PROCEDURE TO PREVENT HARD STARTING
Less than 1 month 1 to 2 months	No preparation required Fill with fresh petrol and add petrol- conditioner
2 months to 1 year	Fill with fresh petrol and add petrol conditioner drain the carburetor float bowl Drain the fuel sediment cup
1 year or more	Fill with: fresh petrol and add petrol conditioner* Drain the carburetor float bowl Drain the fuel* sediment cup Remove the spark plug. Put a tablespoon of engine oil into the cylinder. Turn the engine slowly with the pull rope to distribute the oil Reinstall the spark plug
*Use gasoline conditioners that are formulated to extend storage life Contact your authorized repair agent for conditioner recommendations	

Drain the carburetor by loosening the drain screw. Drain the petrol into a suitable container.

**WARNING**

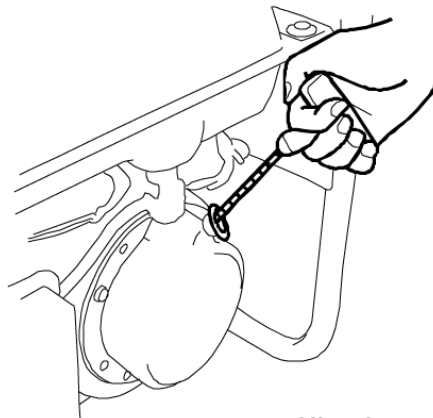
Petrol is extremely flammable and is explosive under certain conditions. Perform this task in a well ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area during this procedure.



Change the engine oil.

Remove the spark plug, and pour about a tablespoon of clean engine oil into the cylinder. Crank the engine several revolutions to distribute the oil, then reinstall the spark plug.

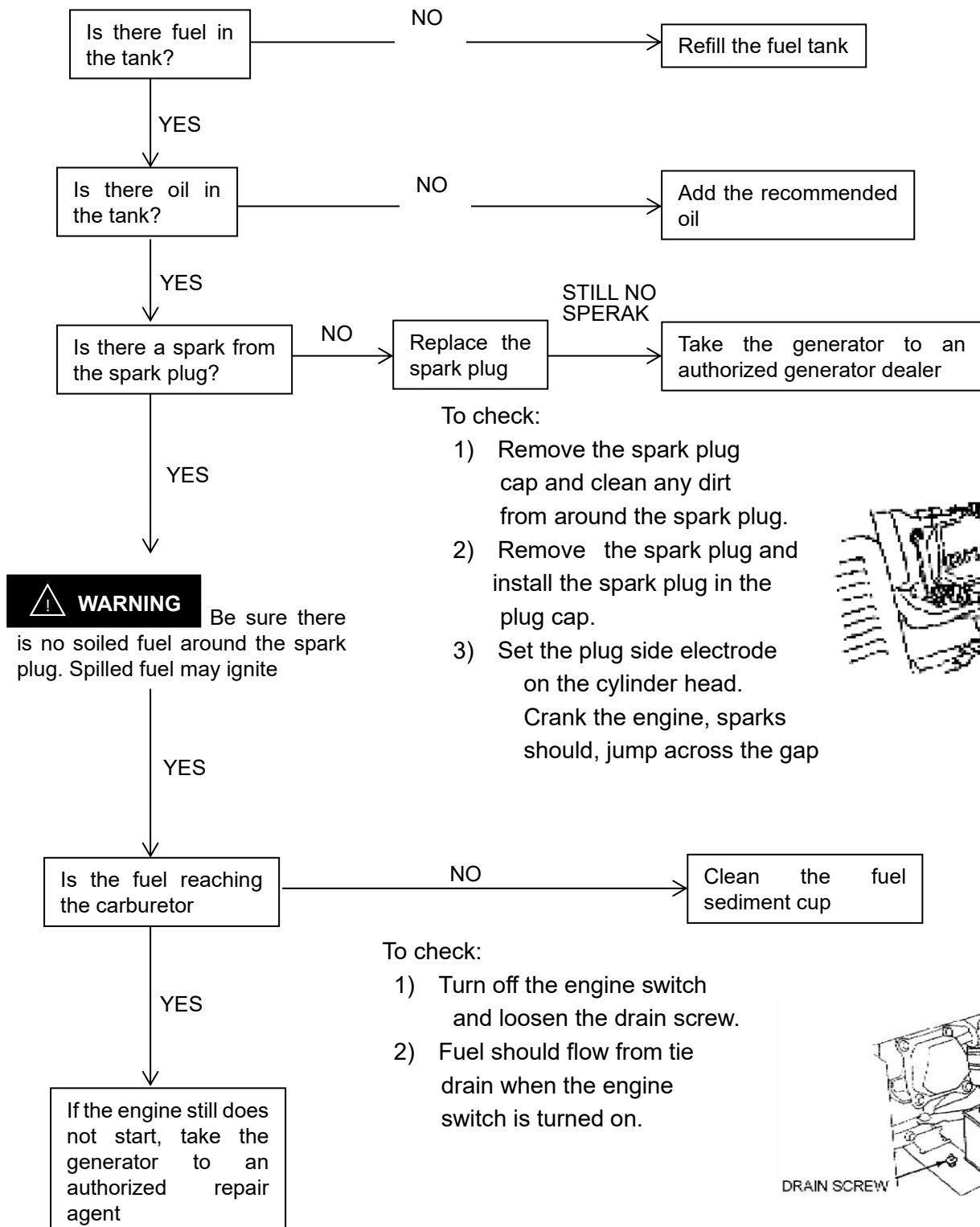
Slowly pull the starter grip until resistance is felt. *At this point, the piston is coming up on its compression stroke and both intake and exhaust valves are closed. Storing the engine in this position will help to protect it from internal corrosion.*

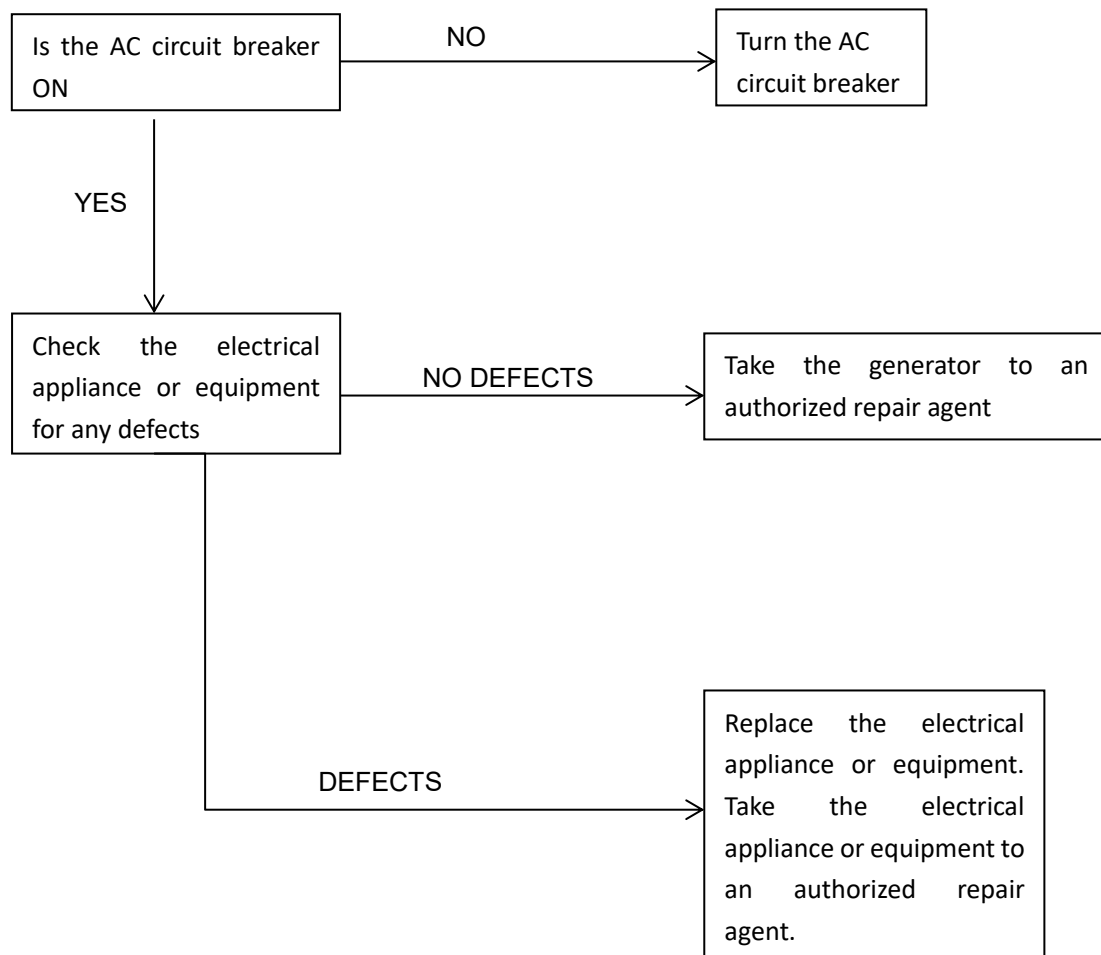


Align the notch on the starter pulley
with the hole at the top of recoil starter

9. TROUBLESHOOTING

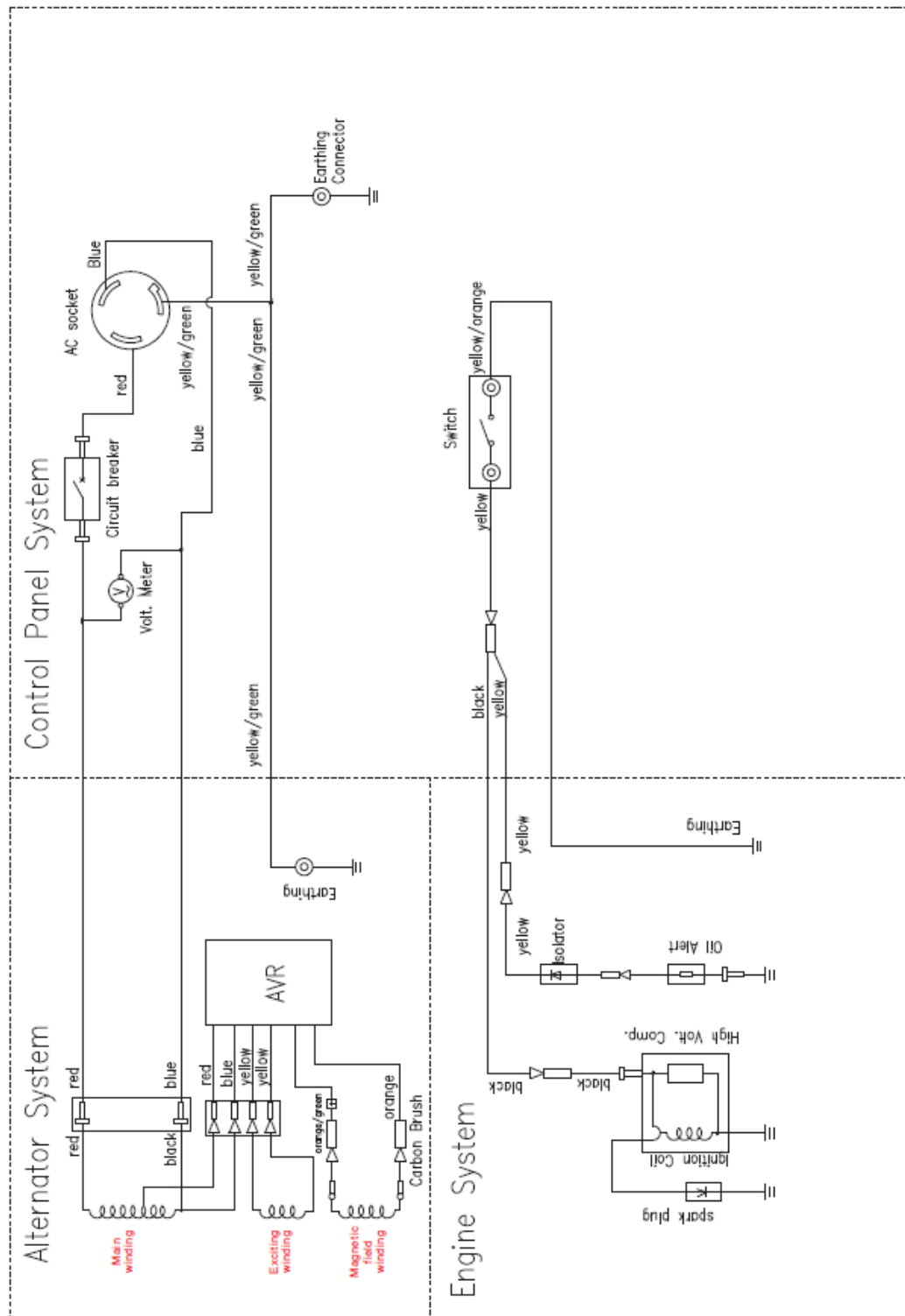
When the engine will not start:



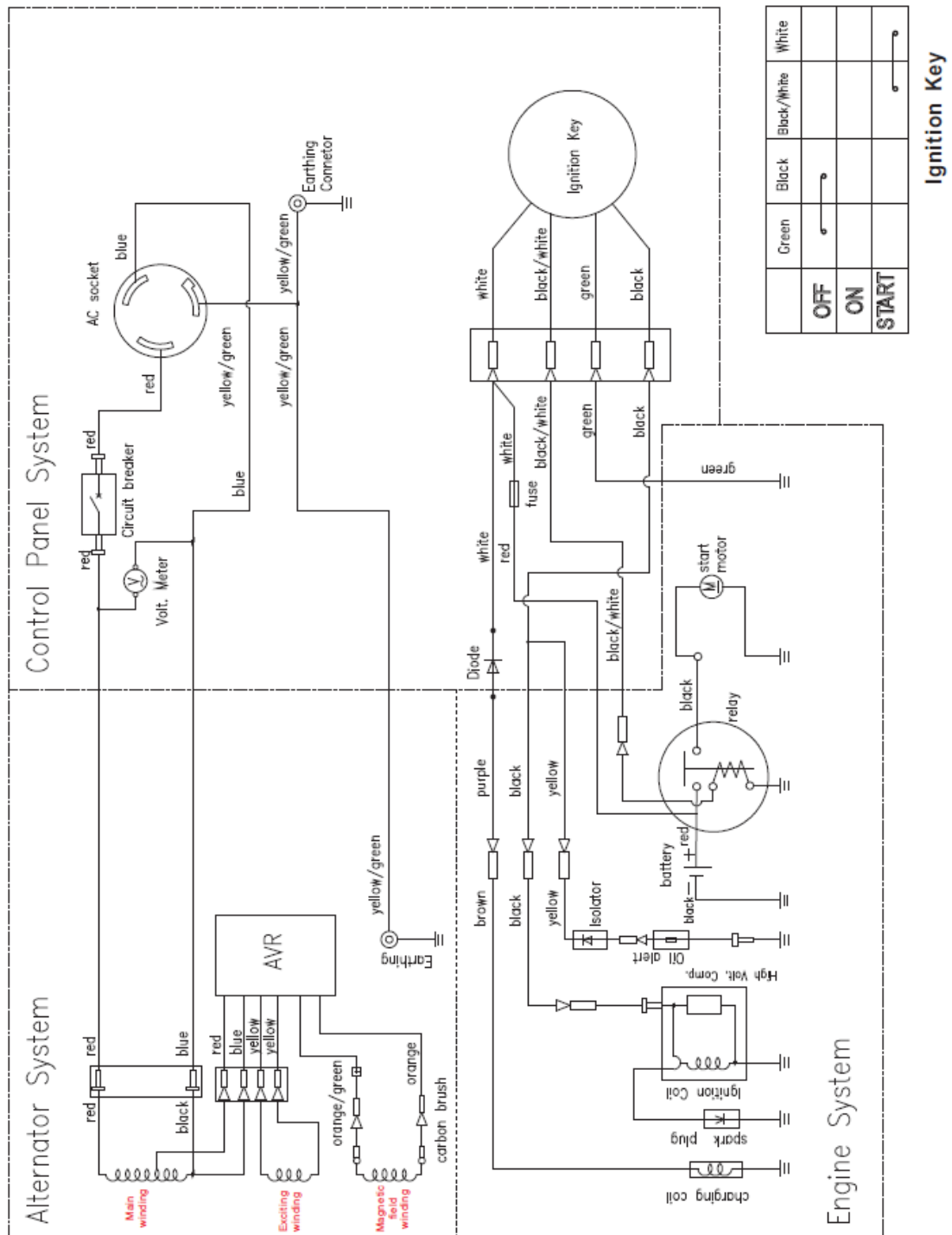
No electricity at the AC receptacles:

10. WIRING DIAGRAM

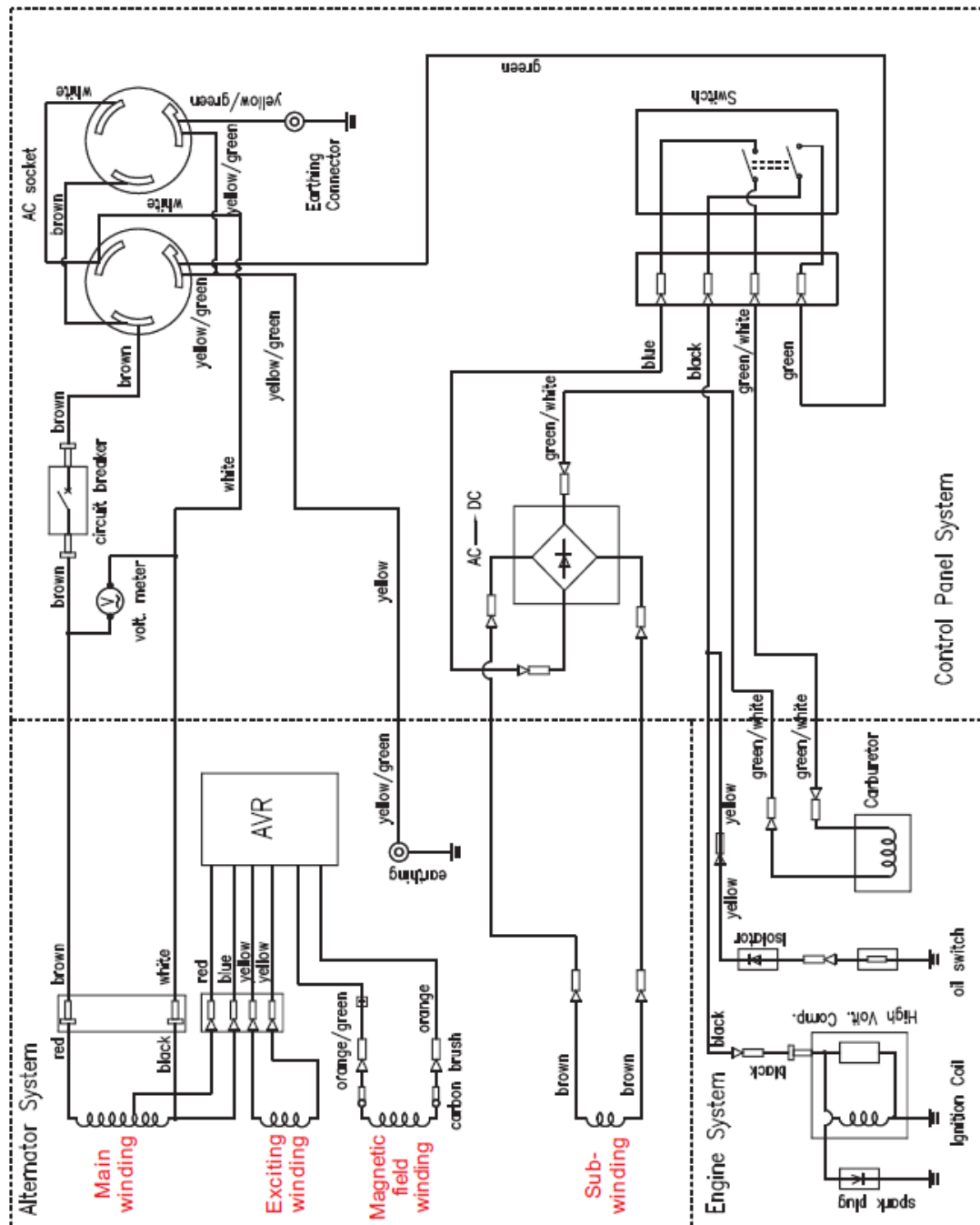
1) 2~2.5KW Manual generator diagram



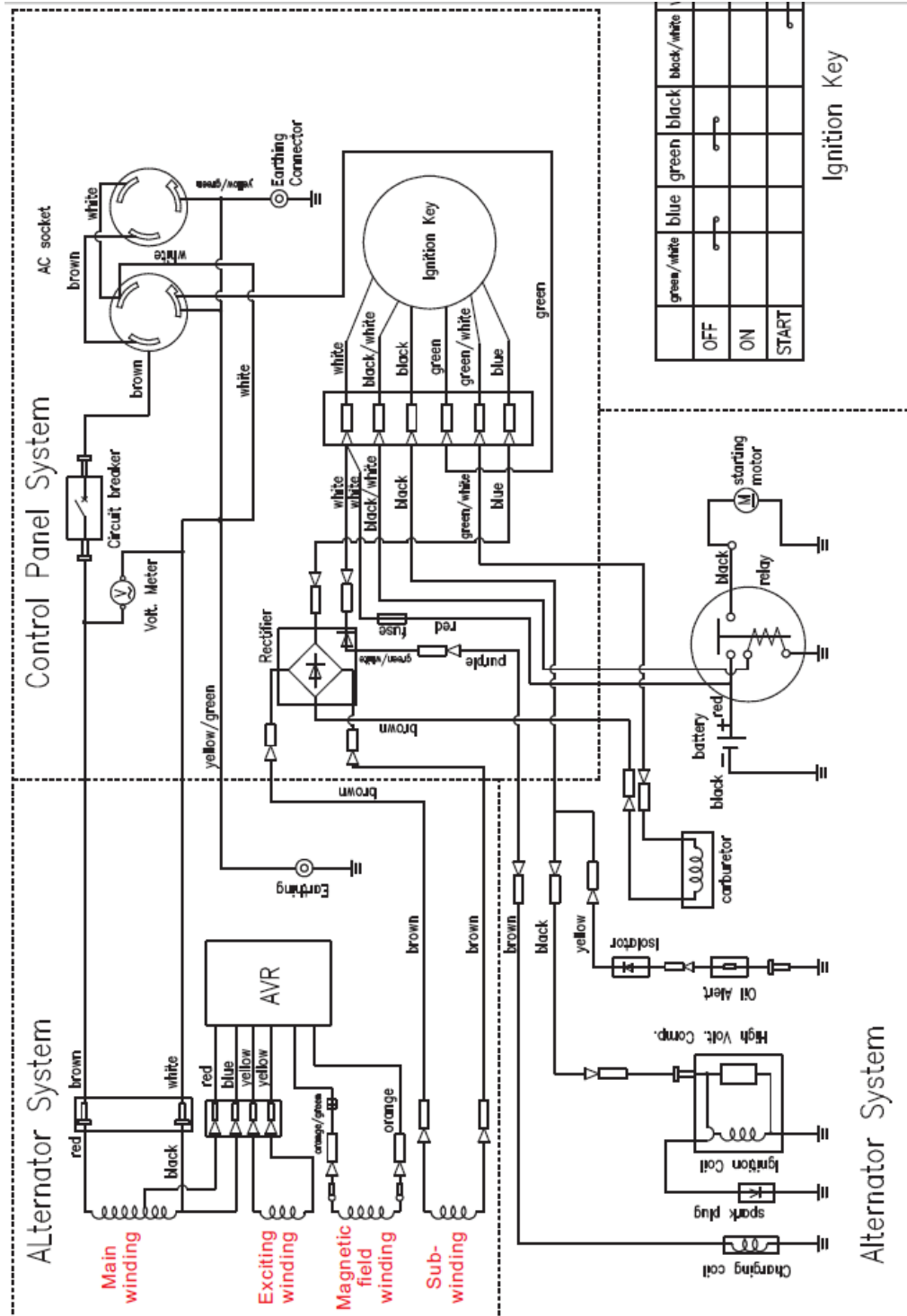
2) 2~2.5KW Key start generator diagram



3) 3~5KW Manual generator diagram



4)3~5KW Key start generator diagram



11. SPECIFICATIONS

	Stock code	MCOG702	MCOG701A		MCOG706EW	MCOG707EW	MCOG708EW
	Description	TP12004S 1.0kw	TP25004S 2.8kw		TP60004S 5.5kw	TP70004S 6.5kw	TP80004S 7.5kw
Engine	Engine Model	156F	168F		188F	190F	192F
	Engine Type	Single cylinder, 4-stroke, Forced air cooling, OHV					
	Displacement (cc)	93.5	163		389	420	439
	Max. Output	2.1kW	4.1 kW		9.6 kW	11 kW	11.7 kW
	Igniting System	Non-contact transistor	Transistor magneto				
	Starting System	Recoil	Recoil/Electric				
	Fuel Volume (L)	6	15		25	25	25
	Continuous operating time (h)	9	13		12	10	7
	Min. Fuel Consumption (g/kw·h)	375	360		313	313	313
	Noise level (dB)	65	65		72	74	78
	Lube. Oil Capacity	0.37	0.6		1.1	1.1	1.1
Generator	A.C. Frequency (Hz)	50/60					
	A.C. Output Voltage (V)	220					
	Rated A.C. Output (Kw)	0.85	2.5		5.0	6.0	7.0
	Max. A.C. Output (Kw)	1.0	2.8		5.5	6.5	7.5
Generator Set	Length (mm)	440	605		830	830	830
	Width (mm)	360	445		540	540	540
	Height (mm)	365	450		560	560	560
	Net Weight (mm)	23	40		85	87	90

12. GENERATOR ASSEMBLY AND MOUNTING

If your generator is supplied with a wheel kit. Please follow the instructions below

1. Place the bottom of the generator cradle on a flat, even surface. Temporarily place unit on blocks to ease assembly.
2. Slide axle through both mounting braces on the cradle frame as shown (Fig 1)
3. Slide a wheel (with the inflation valve facing out) and a flat washer over the axle, then secure the wheel with a retaining pin (Fig 2.Fig 3.Fig 4)
4. Install the other wheel in the same manner
5. Secure each vibration mount to the support leg with a lock nut, and a cap screw (Fig 5):
6. Secure the support leg to the cradle cap screws and lock nuts (Fig 6):
7. Position the handles on the cradle, cap screws and lock nuts (Fig 7.Fig 8.Fig 9)
8. Check that all fasteners are tight and tires are inflated between 15-40 PSI



(Fig 1)



(Fig 2)



(Fig 3)



(Fig 4)



(Fig 5)



(Fig 6)



(Fig 7)



(Fig 8)



(Fig 9)

WARRANTY

L&G Tool and Machinery Distributors warrant to the **original purchaser** only, that this product is free from defects in material and workmanship. Subject to certain exceptions, L&G Tools & Machinery Distributors will repair or replace any part on this product which, after examination, is determined by us to be defective in material or workmanship for a period of twenty four (24) months after the date of purchase unless otherwise noted. Return of the product and all its accessories to the Retailer is required, together with a copy of the proof of purchase should be included with the returned product. This warranty does not apply to damage that L&G Tool and Machinery Distributors determines to be from repairs made or attempted by anyone other than L&G Tool and Machinery Distributors authorized agents, misuse, alterations, abuse, normal wear and tear, lack of maintenance, or accidents. This warranty does not include items considered as consumables.

13. STATUTORY RIGHTS

This warranty is in addition to and in no way affects your statutory rights

14. OWNER'S RECORD

Please complete and retain with your personal records.

Model Name: _____ Barcode : _____

Purchase Date: _____ (Date which equipment was delivered to
original customer) Distributor: _____ Invoice Number: _____

Address: _____

City: _____ Country: _____ Postal: _____



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