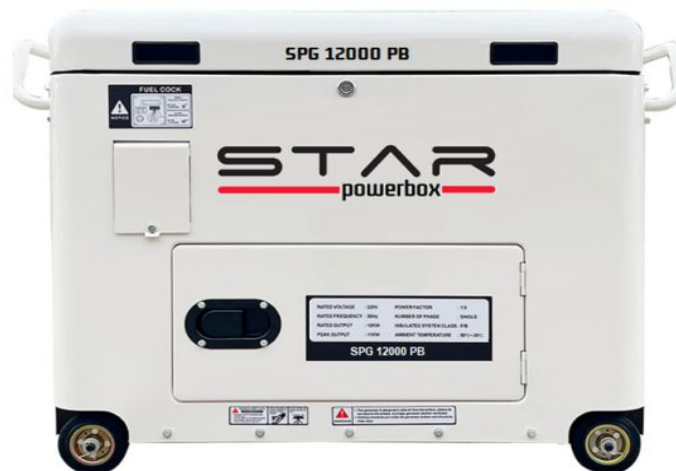




SILENT GASOLINE GENERATOR + ATS

USER MANUAL

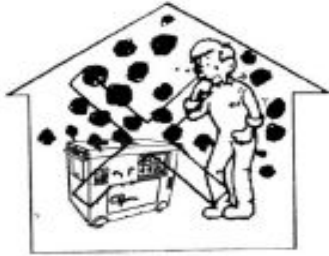


IMPORTANT – Please make sure that the person who will use the machine must read and understand this user's manual carefully before operating.

CONTENTS

| | |
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| SAFETY | 2 |
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| STOP THE GENERATOR | 15 |
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| CARE-TAKING | 20 |
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SAFETY



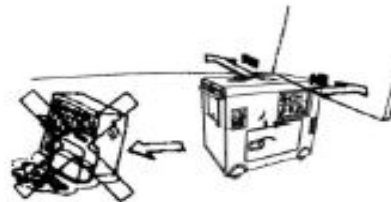
No use in house

No use in wet conditions



No connect to household circuit

Keep in flammable away(3ft)





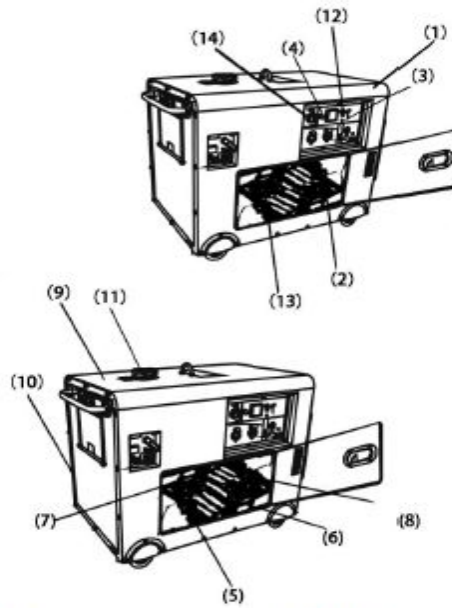
When refueling no smoking

When refueling do not spill



When refueling stop engine

EVERY PARTS NAME



- | | |
|---------------------|--------------------|
| 1. Fuel tank | 8. Air filter |
| 2. Exhaust silencer | 9. Tube frame |
| 3. Ground terminal | 10. Spark plug |
| 4. Circuit outlet | 11. Fuel cover |
| 5. Air-hindrance | 12. Circuit cutout |
| 6. Operating handle | 13. Oil stopper |
| 7. Fuel valve | 14. Engine switch |



SILENT GASOLINE GENERATOR + ATS SPG 12000 PB



PERFORMANCE

| | | |
|-----------------|----|-------|
| Rated Output | W | 10 kW |
| Max Output | W | 11 kW |
| Rated Voltage | V | 220V |
| Rated Frequency | Hz | 50 |

ENGINE SL550



| | |
|---------------------|--|
| Engine Type | 4-Stroke OHV Single-Cylinder Air Cooled |
| Displacement | 550 cc |
| Max Torque | 38 N.m/ 2500 rpm |
| Bore x Stroke | 96 mm x 76 mm |
| Idle Speed | 1650 rpm ± 150 |
| Starting System | E-Start |
| Ignition System | TCI |
| Oil Volume | 1.1 L |
| Starting Mode | Electric+ATS Auto |
| Fuel Consumption | 374 g/kw h |
| Recommend Oil Grade | SAW 10W-30 |

ALTERNATOR

| | |
|------------------------|-----------------------------|
| STAR | 100% COPPER |
| Alternator Rated Power | 10 kW |
| Alternator Max Power | 11 kW |
| Rated Voltage | 220V |
| AVR | Digital |
| Fuel | Gasoline |
| DC Output | 12V-8.3A |
| Rated Frequency | 50Hz |
| Power Factor | 1.0 |
| Battery | 12V 18ah |
| Fuel tank volume | 25 L |
| Working Temperature | minus 10 to plus 50 degrees |
| Performance Grade | A |
| ATS | Built in ATS |
| Noise Level at 7m | 69 dB (A) |
| Wheels & Handles | With |



ATS (Automatic Transfer Switch)



PACKAGING DETAILS

| | | |
|------------|-------|---------------------|
| Dimensions | LxWxH | 1000 x 650 x 785 mm |
| Weight | Kg. | 180 |

Technical data is a subject to change. Star assumes no responsibility for misprints. Pictures may differ from original product.



SILENT GASOLINE GENERATOR + ATS SPG 12000 PB-3



PERFORMANCE

| | | |
|-----------------|----|-------|
| Rated Output | W | 10 kW |
| Max Output | W | 11 kW |
| Rated Voltage | V | 380V |
| Rated Frequency | Hz | 50 |

ENGINE SL550



| | |
|---------------------|--|
| Engine Type | 4-Stroke OHV Single-Cylinder Air Cooled |
| Displacement | 550 cc |
| Max Torque | 38 N.m/ 2500 rpm |
| Bore x Stroke | 96 mm x 76 mm |
| Idle Speed | 1650 rpm ± 150 |
| Starting System | E-Start |
| Ignition System | TCI |
| Oil Volume | 1.1 L |
| Starting Mode | Electric + ATS Auto |
| Fuel Consumption | 374 g/kw h |
| Recommend Oil Grade | SAW 10W-30 |

ALTERNATOR

| | |
|------------------------|-----------------------------|
| STAR | 100% COPPER |
| Alternator Rated Power | 10 kW |
| Alternator Max Power | 11 kW |
| Rated Voltage | 380V |
| AVR | Digital |
| Fuel | Gasoline |
| DC Output | 12V-8.3A |
| Rated Frequency | 50Hz |
| Power Factor | 0.8 |
| Battery | 12V 18ah |
| Fuel tank volume | 25 L |
| Working Temperature | minus 10 to plus 50 degrees |
| Performance Grade | A |
| ATS | Butt In ATS |
| Noise Level at 7m | 69 dB (A) |
| Wheels & Handles | With |



ATS (Automatic Transfer Switch)



PACKAGING DETAILS

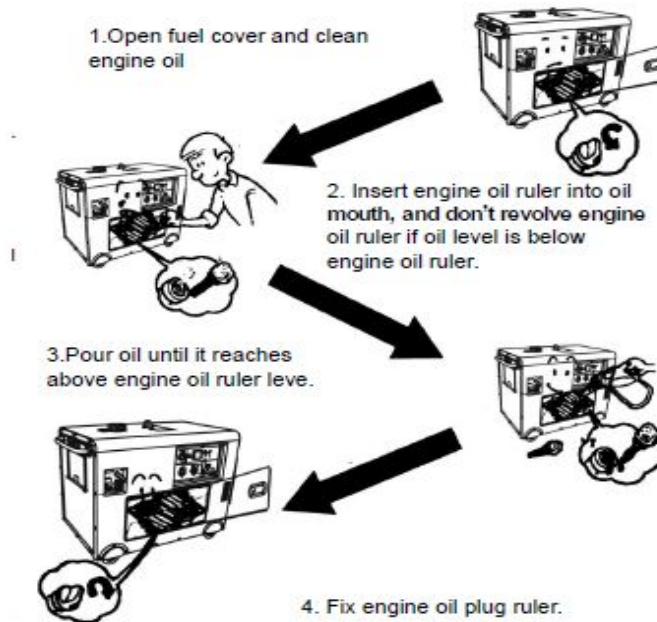
| | | |
|---------------|-------|---------------------|
| Dimensions mm | LxWxH | 1000 x 650 x 785 mm |
| Weight | Kg. | 180 |

Technical data is a subject to change. STAR assumes no responsibility for reprint. Pictures may differ from original product.

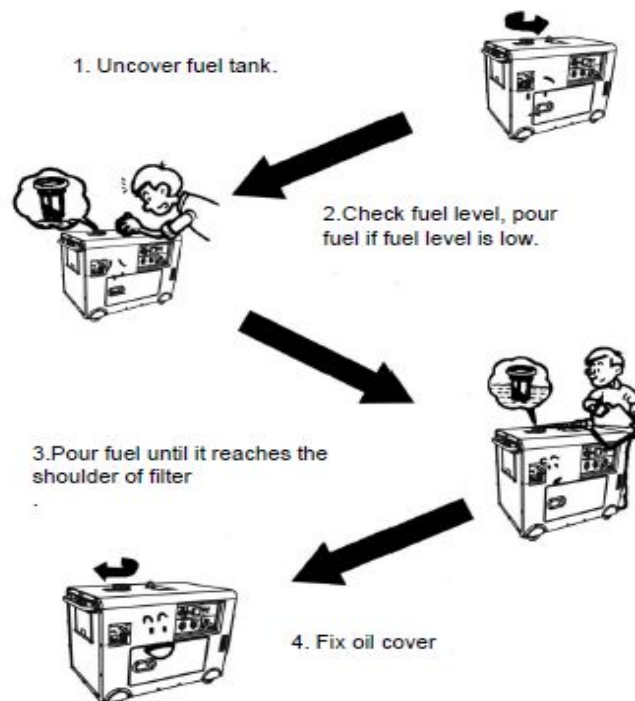
CHECK BEFORE USING

Check oil

Attention: Check generator after stopping engine on plain ground.



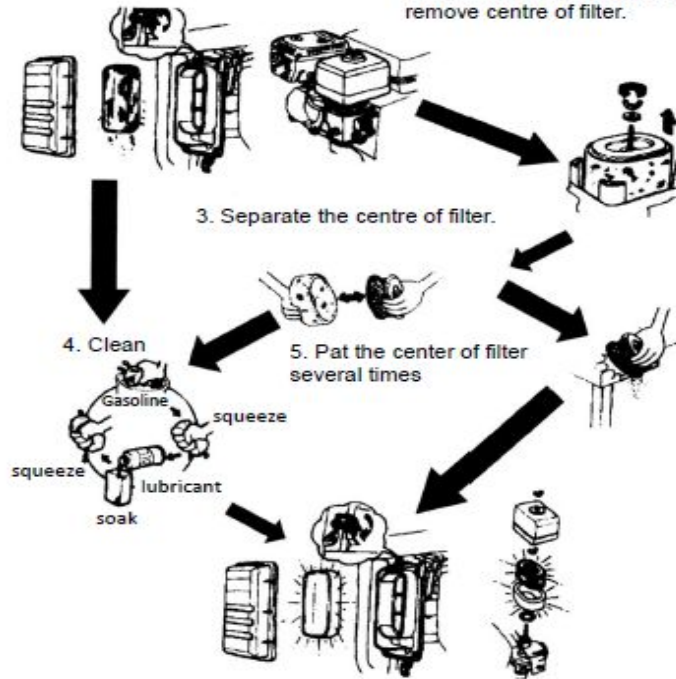
Fuel level



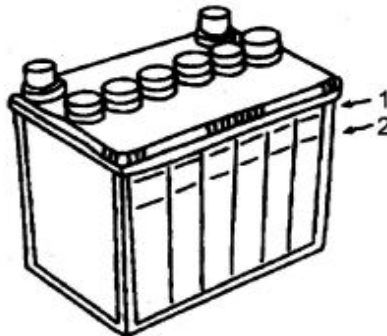
Air-filter:

1. Remove Calliper, Remove outer covering of air-filter and turn on nut and cover of air-filter.

2. Turn nut and washer, then remove centre of filter.



STORAGE BATTERY



1. Make sure electrolyte of every unit is between upper limit and lower limit.

<1>upper limit

<2>LOWER limit

START ENGINE

1. Remove any load from circuit and close circuit breaker.



2. Switch oil valve to "ON".



3. Switch air-hindrance rod to "Choke".



4. Switch the engine switch "ON".



5. Pull operating handle softly until feeling hindrance, then pull with greater power.



6. When engine turns hot, operate air hindrance as the following arrows show.

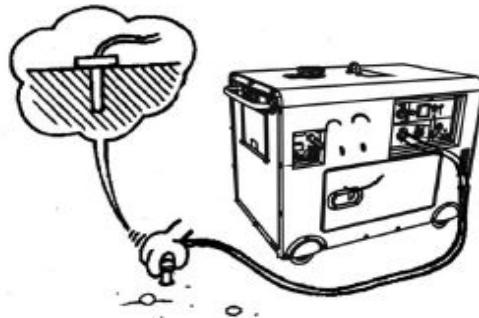


USAGE OF GENERATOR









- To keep generator in good mechanical condition and electric condition, please obey the following.

WARNING

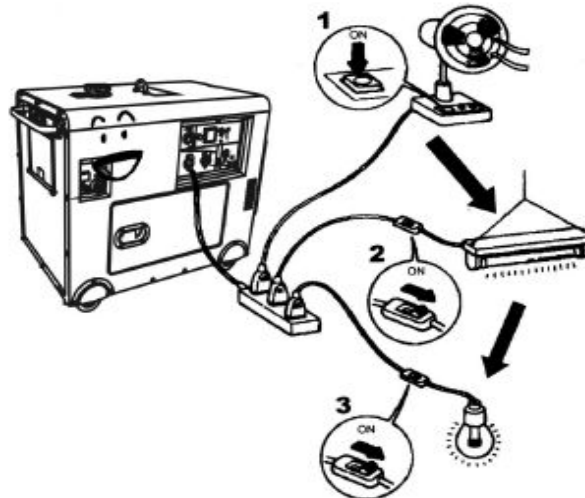
1. To avoid wrong use of electricity, make sure to use generator ground connection.



2. Electric equipment, especially engine produces strong current when being started. The table below offers reference when you connect those installation to generator.

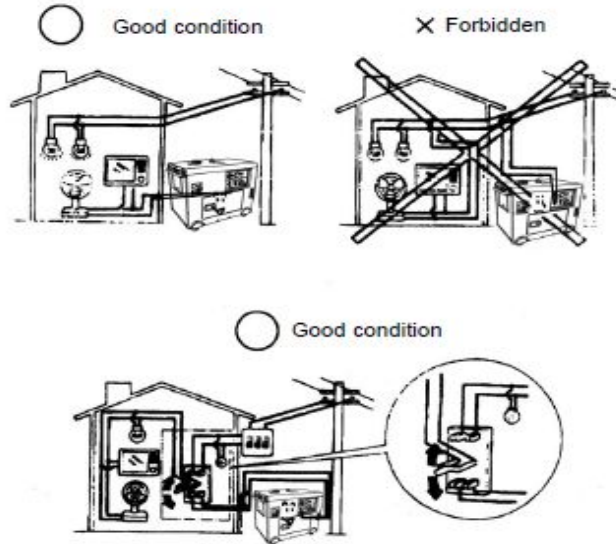
| Paiite | Watt | | Model Installation | Example | | |
|---|----------|-------|---|--|---------------|------------|
| | Starting | Rated | | Installation | Starting | Rated |
| • Incandescent Lamp • Heating Installation | X1 | X1 |  Incandescent Lamp  TV |  Incandescent Lamp 100w | 100VA (W) | 100 VA (W) |
| • Fluorescent Lamp | X2 | X1.5 |  Fluorescent Lamp |  40w Fluorescent Lamp | 80VA (W) | 60 VA (W) |
| • Engine Starting Installation | X3-5 | X2 |  Fridge  Fanner |  Fridge 150w | 450-750VA (W) | 300 VA (W) |

3. When more than two loads are connected to generator, please connect from high current to low.



Attention:

- Connecting generator with family power supply must be operated by someone who knows electricity well.
- Make sure connection is right after connecting loads to generator. If not, that may cause damage of generator or a fire.

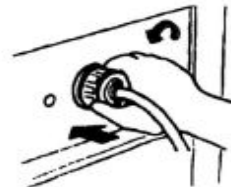


Use of circuit

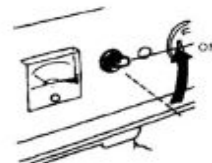
1. Start the engine



2. Join the installment

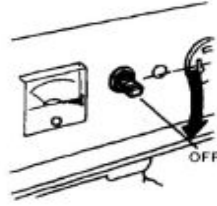


3. Connect the circuit cutout.
Push down the circuit protector.



STOP THE GENERATOR

1. Close the circuit cutout.



2. Turn off the switch of engine.



3. Turn off the fuel valve.



Attention:

If engine must be stopped urgently, pull the switch to "OFF"

MAINTENANCE



Check



change



clean



check re-install

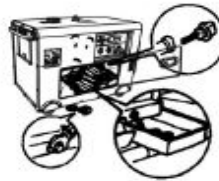
| | | | | | | Reference page |
|------------------------------|--|--|--|----------------------|----------------------|--------------------|
| | | | for the first month of the first use | for every 3month | for every 6month | for every year |
| Lubricant checking | | | | | | P.5 |
| Lubricant checking | | | | | | P.17 |
| Air-filter checking | | | | | | P.8 |
| Air-filter checking | | | | | | P.8 |
| Cup of fuel-filter | | | | | | P.19 |
| Filter of cup of fuel-filter | | | | | | P.19 |
| Spark plug | | | | | | P.18 |
| Valve gap | | | | | | - |
| Cleaning of cylinder cover | | | | | | - |
| Cleaning of oil tank | | | Every three years | | | - |

1. Oil changing

1. Open the cover of oil-adding.



2. Turn off the oil bolt and discharge oil.



3. Place the oil bolt.



4. Pour oil till the upper limitation of engine oil rule.



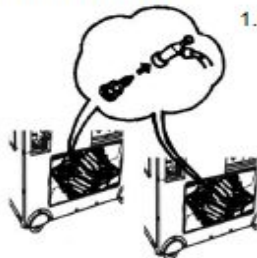
5. Place the engine oil ruler.



2. Air filter (see P8)

3. Spark plug

1. Remove the nut of spark plug.



2. Remove spark plug.



3. Clean up the carbon.



4. Measure the gap of spark plug.



0.7-0.8mm

5. Install spark plug and the nut.



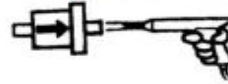
4. Maintenance of fuel-filter

1. Pull the fuel valve to "OFF" and remove the cup of fuel-filter.

Remove the filter fuel-filter



Use air gun to blow wind adversely to the arrow.



Remove the cup of fuel-filter.



2. Clean up the cup of fuel -filter



3. Install new rubber spacer and cup of fuel-filter



CARE-TAKING

1. Close fuel valve, turn the cup of fuel-filter and discharge the fuel.



2. Open fuel valve, discharge the fuel in the tank.



3. Change the rubber spacer and turn the cup firmly.



4. Turn oil-outing plug and let fuel out of carburetor.



5. Turn oil-plug and oil-outing switch then discharge the oil.



6. install oil-outing plug.



7. Pour oil until reach the upper limitation level of engine oil rule.



8. Pull the handle lightly until feel the obstruction.



TROUBLE EXAMINING AND REPAIRING

1. Engine does not start.



2. Is engine switch at "No"?



3. Examine lubricant.



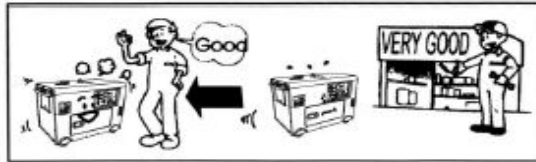
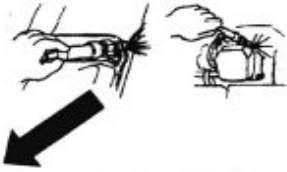
4. Examine oil.



5. Remove spark plug.



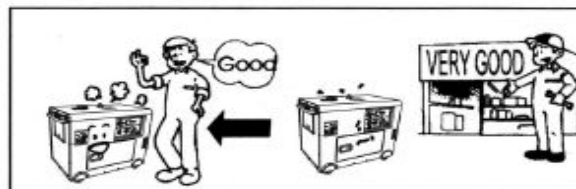
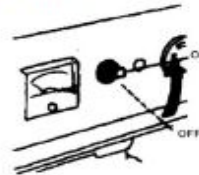
6. Examine spark plug.



1.Examine the bulb



2.Is the circuit cutout at"ON"?(The picture below)



Built-in ATS Unit Operation Instructions

When you want to use the Built-In ATS, please follow the steps below:

1. **MAINS POWER INPUT** should be connected to the Mains Power supply correctly.

Note: *All terminal posts must be properly connected.*



2. Connect the Electrical Devices;
Turn the **ENGINE SWITCH (STARTER SWITCH)** to "RUN" ("ON");
Set the circuit breaker to "ON".



3. Set the **ATS SWITCH** to "ON".



Integrated ATS (Electric Start) Start and Stop

1. Preparations Before Starting

1. Add 1.1 liters of engine oil.
 2. Correctly connect the positive and negative terminals of the battery.
-

2. Integrated ATS Disabled State (Manual Operation):

Starting:

- ① Correctly connect the battery cables: the red cable to the positive terminal, the black cable to the negative terminal.
- ② Move the fuel selector switch to the "Gasoline" position.
- ③ Set the circuit breaker to the "OFF" position.
- ④ Turn the engine key switch clockwise to the "START" position; once the engine starts, release the key switch, and it will automatically return to the "RUN" position.
- ⑤ Turn the fuel valve to the "OPEN" position.
- ⑥ Move the choke lever to the "Gasoline" position.
- ⑦ Move the choke lever to the "OPEN" position.
- ⑧ Turn on the power supply.
- ⑨ Set the circuit breaker to the "ON" position.

Stopping:

- ① Set the circuit breaker to the "OFF" position.
 - ② Disconnect the power supply.
 - ③ Turn the engine key switch counterclockwise to the "STOP" position.
 - ④ Turn the fuel valve to the "OFF" position.
-

3. Integrated ATS Enabled State (Automatic Start and Stop):

- ① Connect the 220V MAIN INPUT to the main power supply; proper connection is required.
- ② Connect the electrical equipment.
- ③ Set the circuit breaker to the "ON" position.
- ④ Turn the ignition switch to the RUN position.
- ⑤ Set the ATS switch to the ON position.
- ⑥ When the main power supply is connected, the generator should be off; the 220V socket should use the main power supply.
- ⑦ When the main power supply is disconnected, the generator should start automatically; the 220V socket should use the generator power.