

BOLIY DSP GENERATOR

TROUBLESHOOTING

JUNE 17, 2008

Contents:

NO.1 The engine can not to start.

NO.2 The ECON switch does not work.

NO.3 The ECON=ON, ECON=OFF cut no ice.

NO.4 The engine speed from high to low, can not to steady.

NO.5 The engine can not to ignition.

NO.1 The engine can not to start.

Causation analyse:

The fuel line have problem

1. Picture A: First check the fuel switch, keep switch=on.

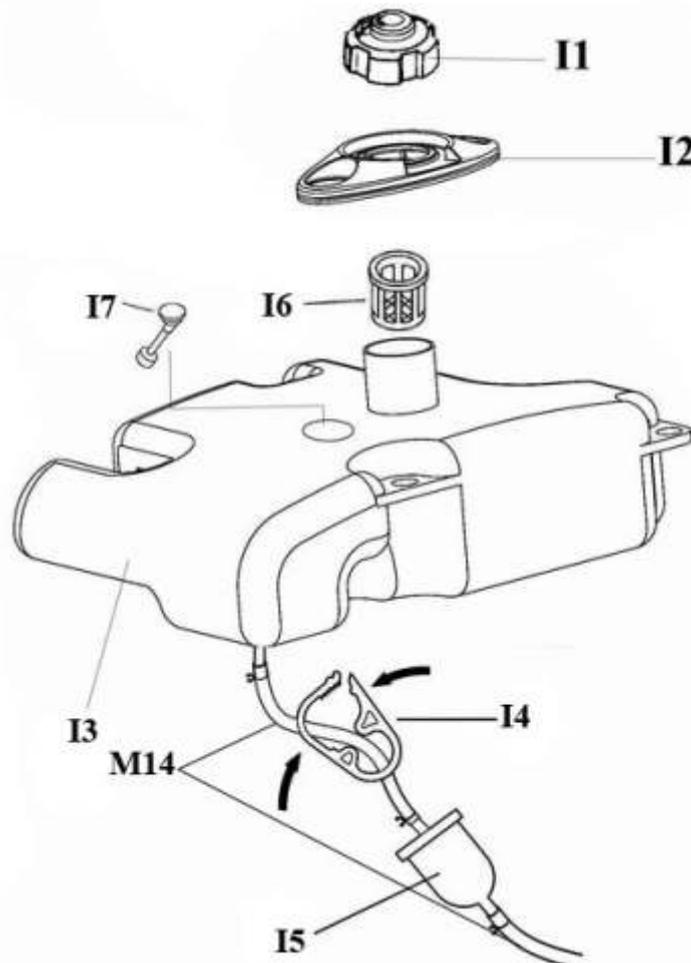


Picture A



Picture B

2. Picture B: Use screwdriver loose the carburetor screw, If have the fuel out then, prove the carburetor have fuel. When you check this position finish, must make the screw close. If not have fuel out, that need will fuel pipe be obstructed.



3. Open the left case, check the fuel pipe and the pipe clamp, Keep the clamp open, keep the fuel pipe expedite.

If check ok all of the step, keep the fuel pipe expedite, I think you can start the machine.

No2. The ECON switch does not work.

Symptom:

When The ECON switch=ON, the engine speed keep high speed all time.

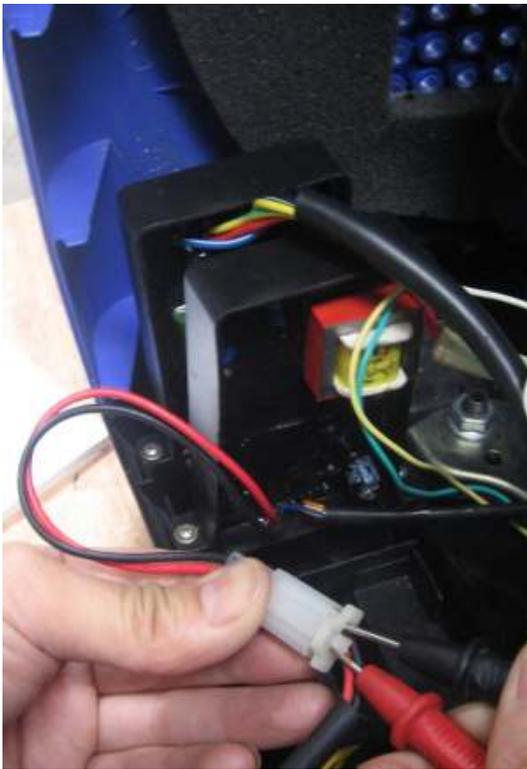
Solution: Check the high speed feedback coil, when the generator running, the feedback coil have AC voltage about 14~16V (at normal state), If the voltage is not in this range, need repair or replace the white output wires.

No3. The ECON=ON, ECON=OFF cut no ice.

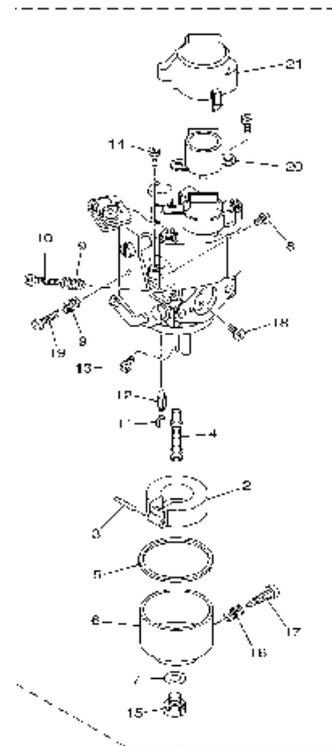
Symptom: When the generator running, the engine speed does not change, or high, or add load speed to low, voltage to low.

Solution: (Picture 3)

1. Check the red and black voltage, the normal state will at DC 12~14V.
2. Replace the step motor.
3. Check the controller connector connecting.
4. Replace the controller.



Picture C



Picture D:

No4. The engine speed from high to low, can not to steady.

1. Adjust the controller enactment.
2. Picture D: Disassembly the carburetor and clean it. Use air pressure gun or special cleanout scour.

No5. The engine can not to ignition.

Symptom



Picture 1. Add the engine oil, the oil sensor's light can not to crush out, Check the sensor, find it to engine crust is circulate.

Solution

Replace the oil sensor.



Picture 2. The ignition coil when the generator shut down no electric, then pull the starter (the normal AC voltage about 10V.)

Repair or replace the generator stator.



Picture 3. Trigger coil Green, Yellow/green wires do not circulate.

Check or replace the trigger coil.



Picture 4. No resistance value (The normal is about 50 ohm) , if the white wire and engine crust do not circulate, it will result in non-ignition.



Picture 4. Yellow/Green wire and engine crust do not circulate.

Check the connect wire.



Picture 5. The ground wire not connecting or damage.

Check or replace.