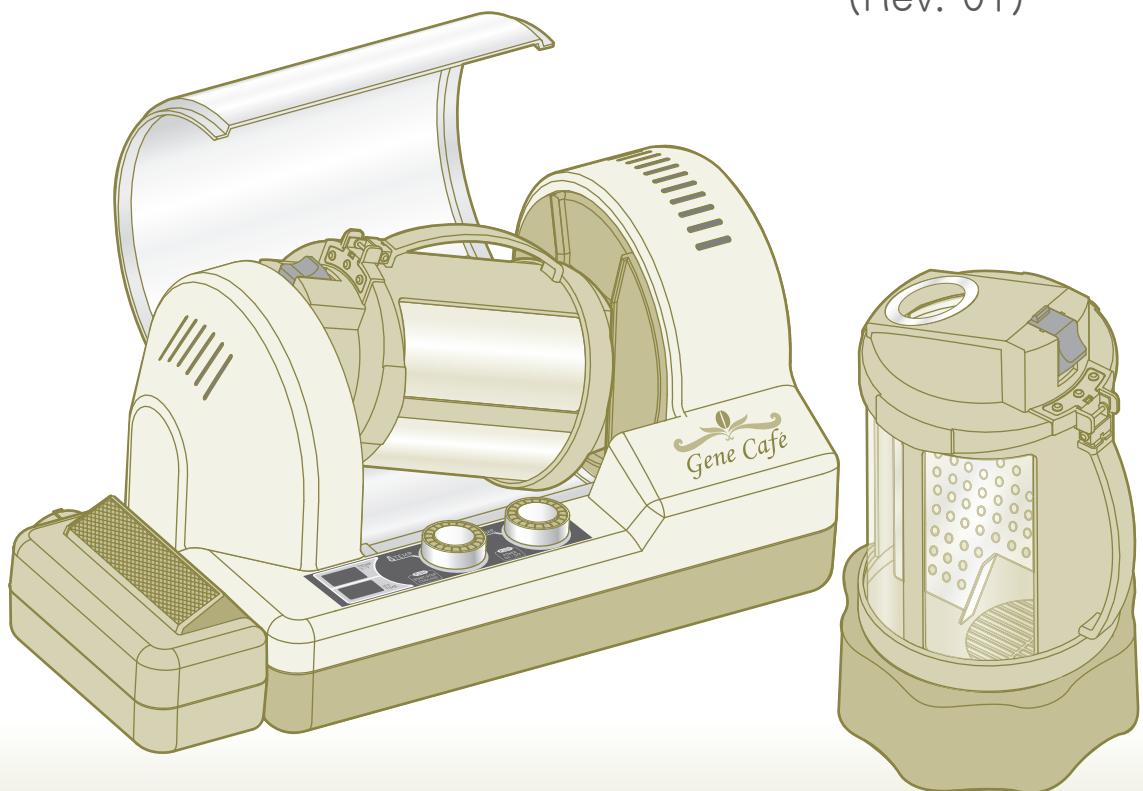




Gene Café

Service Manual

(Rev. 01)



COFFEE BEAN ROASTER
MODEL CBR-101A
INNOVATIVE OFF -AXIS ROTATION

- To ensure safe, trouble-free operation, please carefully read this manual.
- Warranty information contained in this manual. Do not discard.

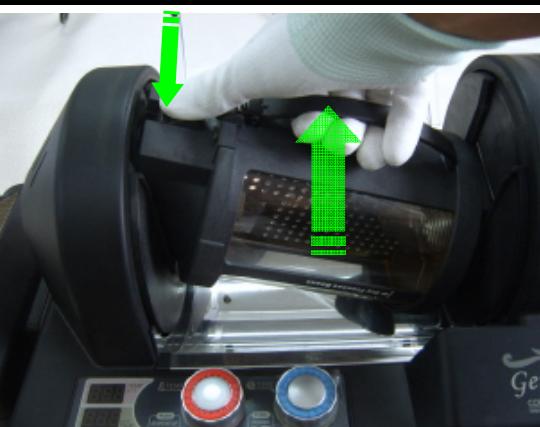
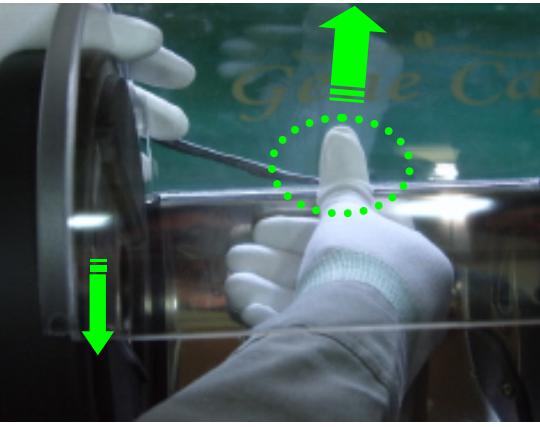


Gene Cafe Replacement Instructions

Model : Gene Café (CBR-101)

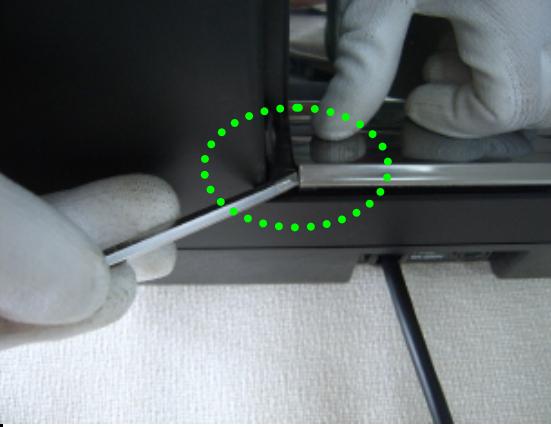
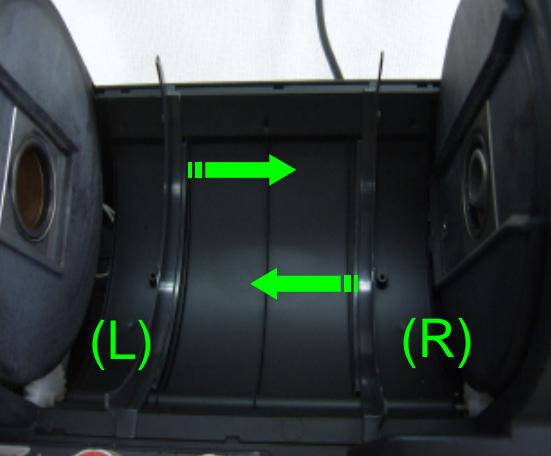
Genesis
REV. 01 _ 070315

SAFETY COVER

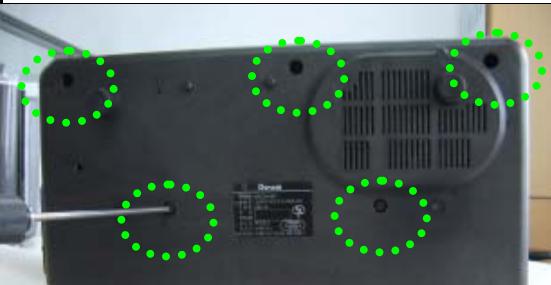
Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● Make sure that unplug the power cord before the assembly and disassembly.
Disassembly		<ul style="list-style-type: none"> ● After open the safety cover, lift the chamber maked in this picture.
		<ul style="list-style-type: none"> ● After close the safety cover,remove it maked in this picture.
Assembly	Opposite operation of disassembly.	

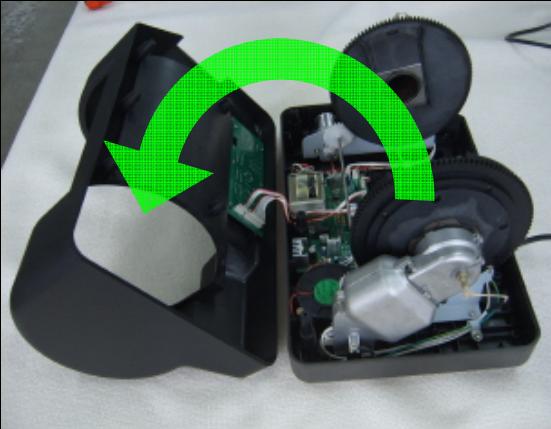
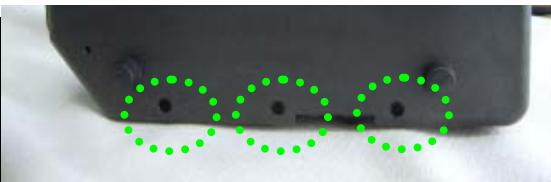
BASE PANEL/SIDE COVER

Requirements	1. DRIVER (+.-) 2. Screw: x 2 3 4
--------------	--

Process	Picture	Instruction
		<ul style="list-style-type: none"> ● Unscrew them indicated in the picture.
Disassembly		<ul style="list-style-type: none"> ● Remove the base panel to use a tool indicated in the picture.
		<ul style="list-style-type: none"> ● Pull out the side cover as indicated in the picture by green arrow. <p>Caution) The process by reassembling, make sure the direction of side cover.</p>
Assembly	opposite operation of disassembly.	

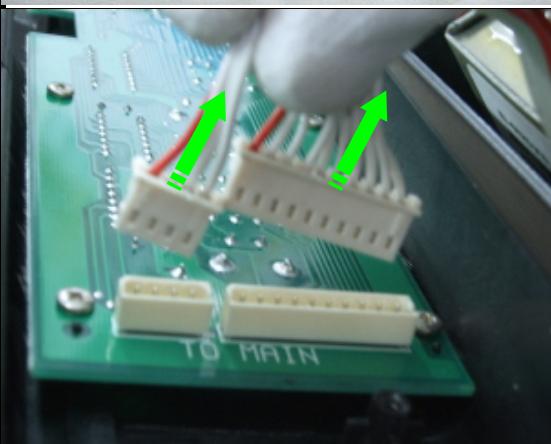
TOP CABINET

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● Remove the eight screw at bottom of the roaster as indicated in the picture. ● Screw: x (6pc) ● Screw: x (2pc)

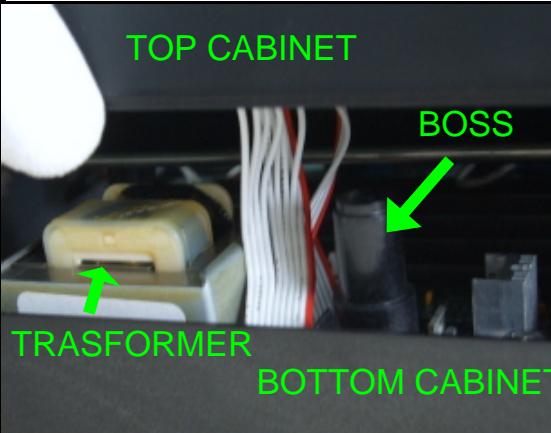


- Lift the top cabinet with both hand as indicated here by the green arrow.

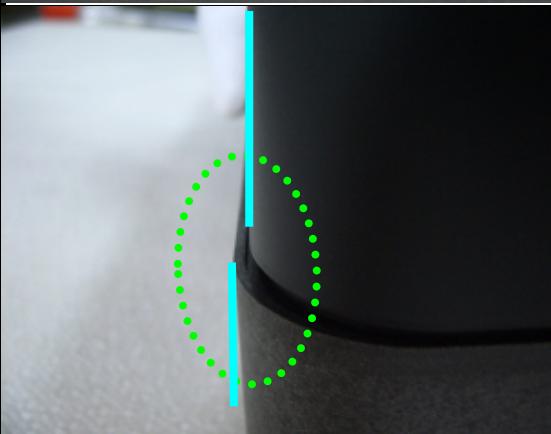
Disassembly



- Remove the connector with hands. in this picture.



- To assembly the top cabinet, Hold the top cabinet with hand maked in the picture, and the Control Lead Wire to locate between transformer and Boss.



- To assembly with bottom cabinet, make sure to match the side of both as indicated in this picture.

Assembly

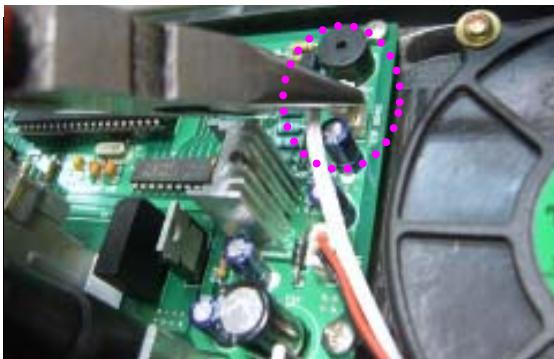
opposite operation of disassembly.

DAMPER OUT ASS'Y

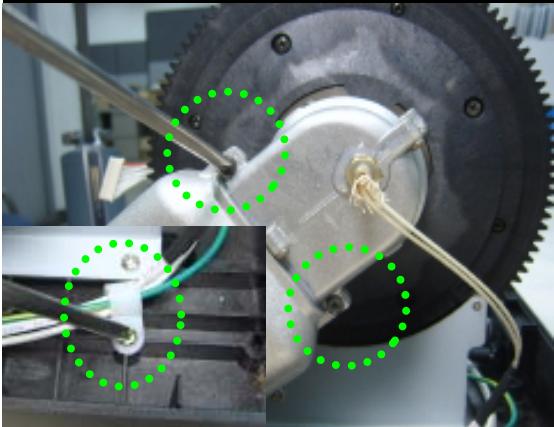
Requirements	1	
	2	
Process	Picture	Instruction
		<ul style="list-style-type: none"> In the main PCB, remove the "Temp Sen(1)" by long nose.
Disassembly		<ul style="list-style-type: none"> Rescrew them as indicated in this picture and then, Remove the bottom cabinet as lift the damper out Ass'y.
Assembly		<ul style="list-style-type: none"> With minus driver, Remove the motor gear from motor shaft as indicated by this picture.
	opposite operation of disassembly.	

DAMPER IN ASS'Y

Requirements	1	
	2	
Process	Picture	Instruction
		<ul style="list-style-type: none"> In the main PCB, remove the "Temp Sen(2)"

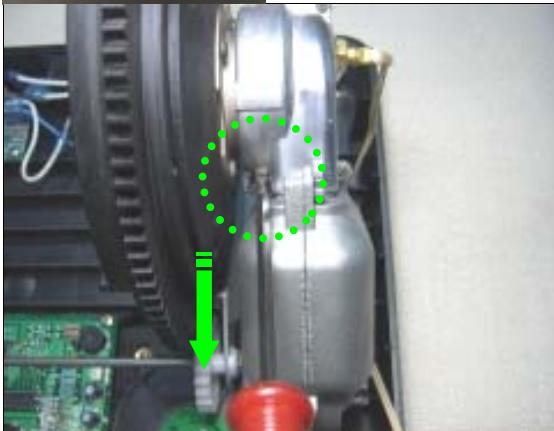


by long nose.

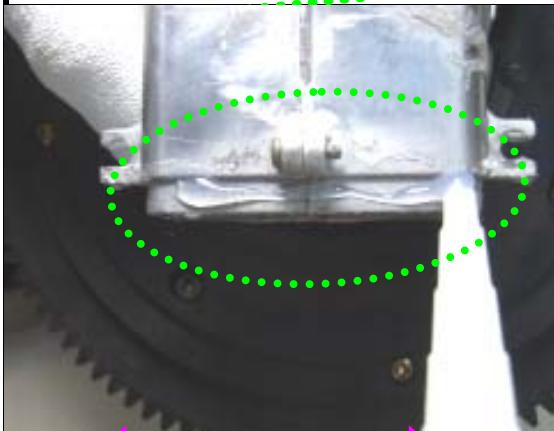


- Rescrew them as indicated in this picture.

Disassembly



- With minus driver, Remove the motor gear from motor shaft as indicated by this picture.



- To reassemble, Damper out ass'y apply by silicone as indicated by this picture.



- Make sure that the bearing have to match as by this picture.

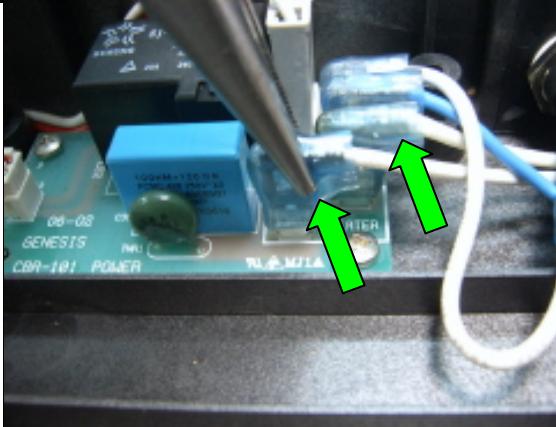
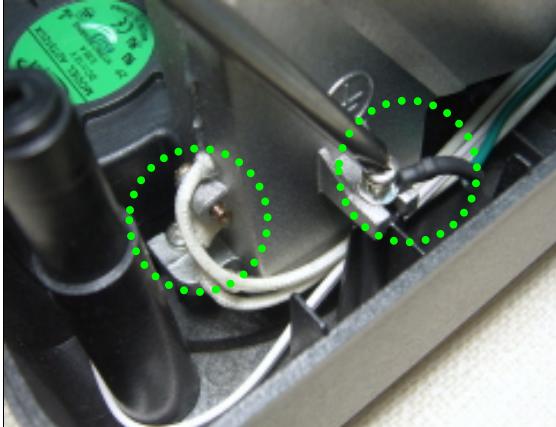
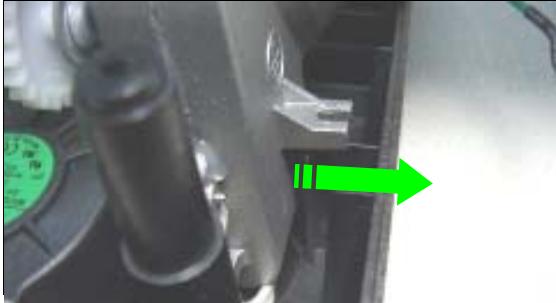


- Lead wire of Temp sensor(2) have to through heater box ass'y and bottom cabinet boss as indicated by this picture.

Assembly

opposite operation of disassembly.

HEAT BOX ASS'Y

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none">● In the Power PCB, remove the connection of heater by long nose.
Disassembly		<ul style="list-style-type: none">● Rescrew them as indicated in this picture.
		<ul style="list-style-type: none">● the line of heater and temperture sensor need to under the Damper In Ass'y as indicated by this picture.



- To assembly, Insert as indicated by this picture.

- Screw the bolt as indicated by this picture

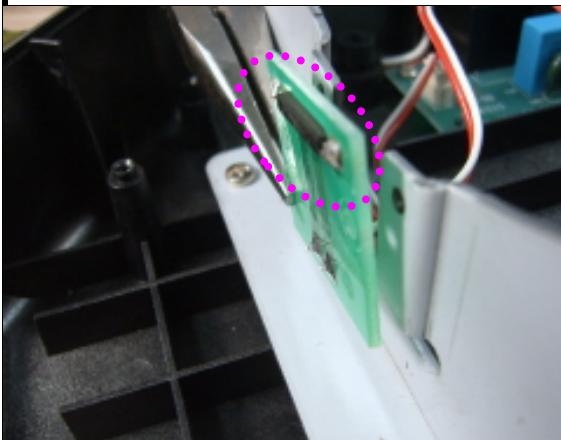
Assembly

opposite operation of disassembly.

REED SENSOR PCB

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● In the main PCB, remove the "REED SENS" by long nose.
Disassembly		<ul style="list-style-type: none"> ● Rescrew them as indicated in this picture.

Disassembly



- To assembly, make sure that, the REED SENSOR located left side of PCB.

Assembly

opposite operation of disassembly.

FAN

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none">● In the main PCB, remove the "FAN" connector by long nose.
Disassembly		<ul style="list-style-type: none">● Rescrew them as indicated in this picture and then, Remove the FAN as lift from bottom cabinet.
		<ul style="list-style-type: none">● Make sure to match the FAN as indicated in this

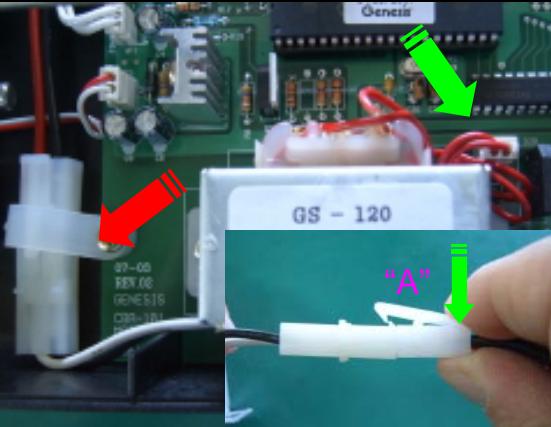
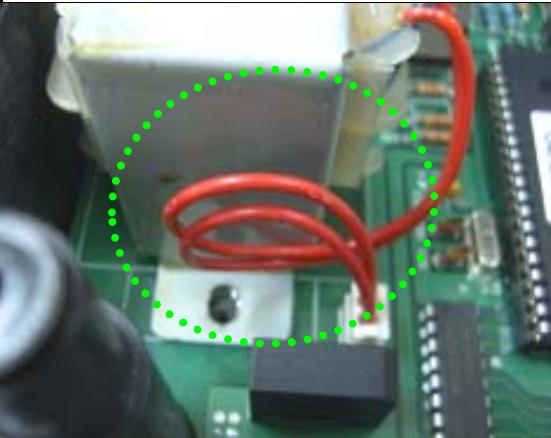
**Assembly**

opposite operation of disassembly.

POWER CORD

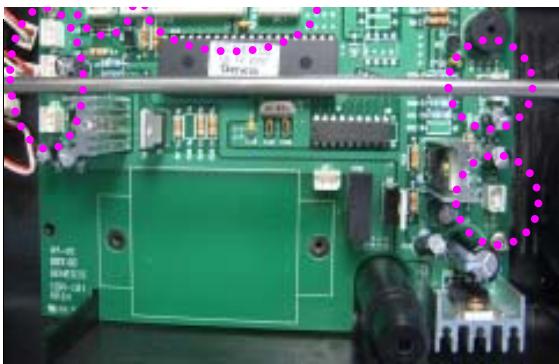
Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none">● Remove the TWE connector as indicated in this picture from the main PCB and FUSE HOLDER.
Disassembly		<ul style="list-style-type: none">● Rescrew them as indicated in this picture
		<ul style="list-style-type: none">● With Cord Pusher, Push the cord push and then as indicate by the arrow.
Assembly	opposite operation of disassembly.	

TRANSFORMER

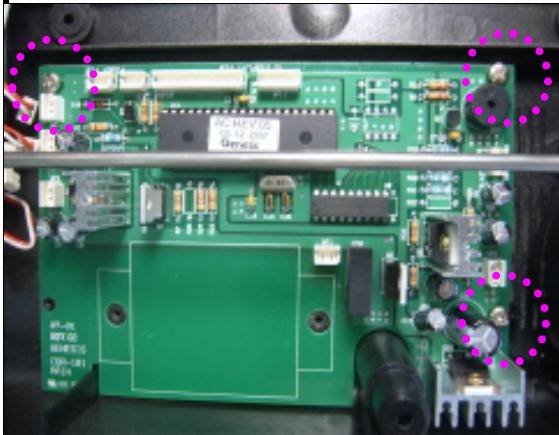
Requirements	1 2 3 4	
Process	Picture	Instruction
		● Rescrew them as indicated in this picture.
Disassembly		● Remove the connector as indicated in small picture by long nose.
		● Cordinated the Led wire as indicated in this picture.
Assembly	opposite operation of disassembly.	

MAIN PCB

Requirements	1 2 3 4	
Process	Picture	Instruction
		● In the main PCB, remove all of connector as indicated

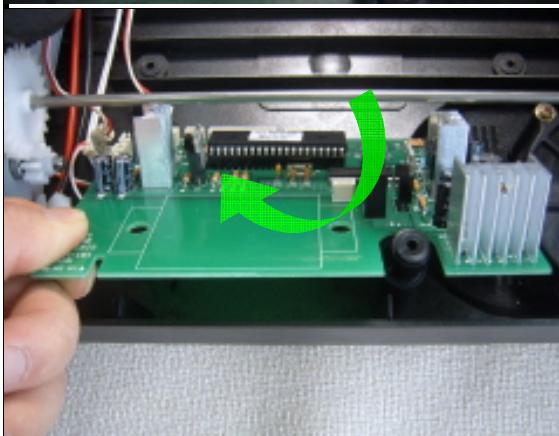


by hands.



- Rescrew them as indicated in this picture .

Disassembly



- To remove the PCB from Bottom cabinet, make sure indicated by green arrow.

Assembly

opposite operation of disassembly.

POWER PCB

Requirements	1 2 3 4	Picture	Instruction
Process			
Disassembly			<ul style="list-style-type: none">● In the Power PCB, remove all of connector as in this picture.

DISASSEMBLY



- Rescrew them as indicated in this picture.

Assembly

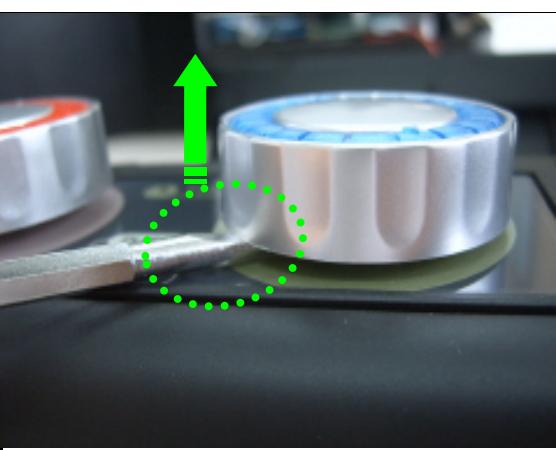
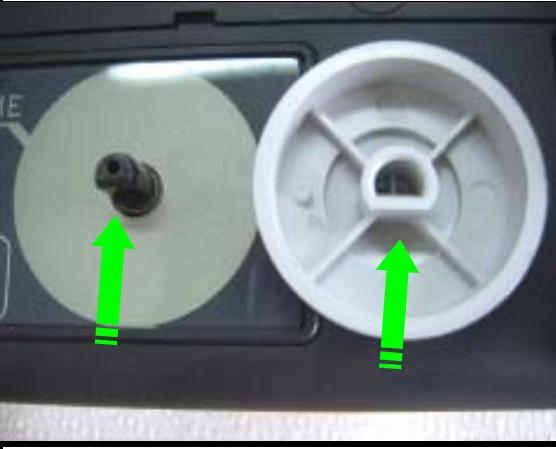
opposite operation of disassembly.

CONTROL PCB

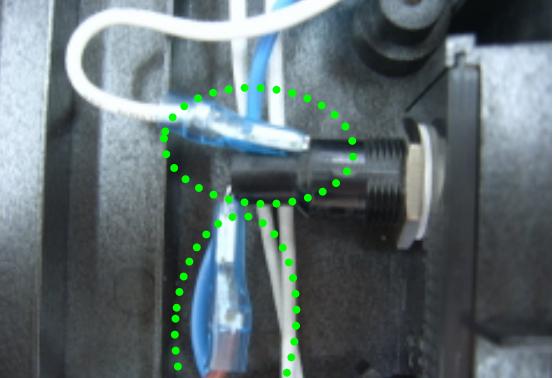
Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none">● Rescrew them as indicated in this picture and remove from Top cabinet.● To Reassembly, Make sure the location of Control as indicated in this picture.
Assembly	opposite operation of disassembly.	

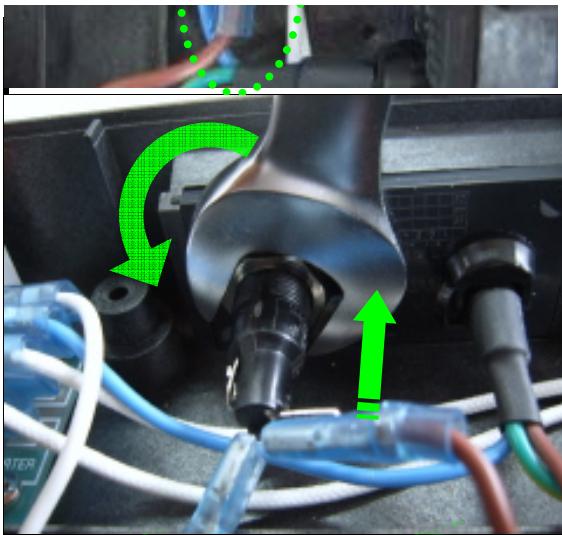
TEMP/TIME KNOB

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none">● Remove the Knob by hands as indicated in this

Disassembly		<ul style="list-style-type: none"> ● Remove the Knob by minus driver to easier.
		<ul style="list-style-type: none"> ● Make sure the shape of Knob and Shaft to as indicated in this picture.
Assembly	opposite operation of disassembly.	

FUSE/FUSE HOLDER

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● With minus driver, remove the Cap as indicated by green arrow.
Disassembly		<ul style="list-style-type: none"> ● With hold the body of Fuse holder, Remove the as indicated in this picture.



- Rescrew the Fuse holder as indicated by green arrow, and then push that to remove.

Assembly

opposite operation of disassembly.

POWER PANEL

Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none">● To remove, Push the Power panel as indicated in this picture.
Assembly	opposite operation of disassembly.	

CPU

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none">● Remove the Control wire or located as indicated in this picture.

		● Remove the CPU by CPU extractor as indicated in small picture.
Disassembly		● To reassemble, make sure the location of CPU as in this picture.
Assembly	opposite operation of disassembly.	

MOTOR BRACKET ASS'Y(L)

Requirements	1 2 3 4	
Process	Picture	Instruction
		● Remove the Reed sensor and connector of Motor Main PCB as indicated in this picture.
Disassembly		● To remove Bracket ,Rescrew them as indicated in this picture.



● To Reassemble, make sure to match Boss of with hole of Bracket as indicated in this picture.

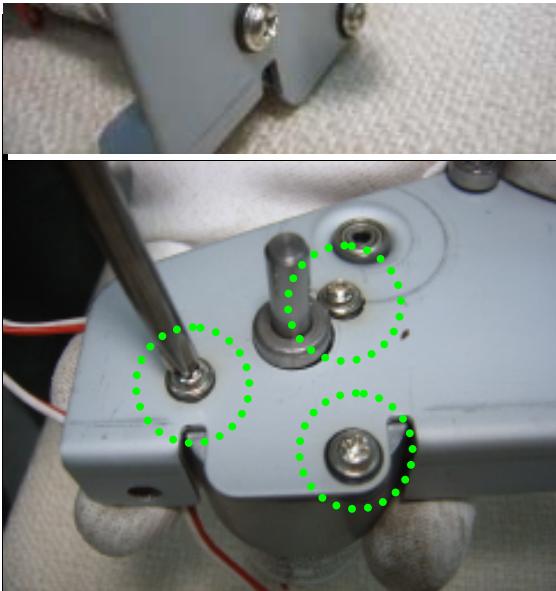
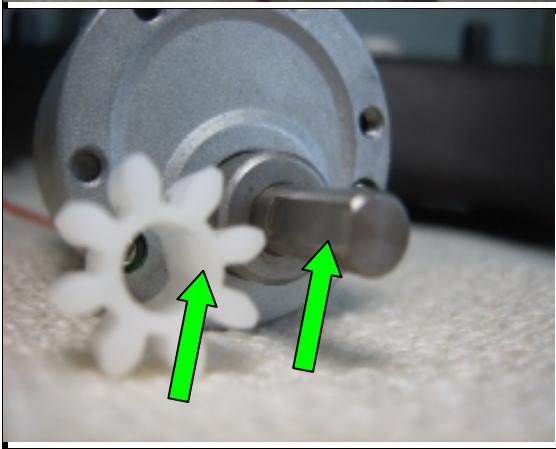
Assembly opposite operation of disassembly.

MOTOR BRACKET ASS'Y (R)

Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none"> ● To remove, rescrew them as indicated in this picture. by long nose. ● take care of Bearing before the replacement to losing.
Assembly	opposite operation of disassembly.	

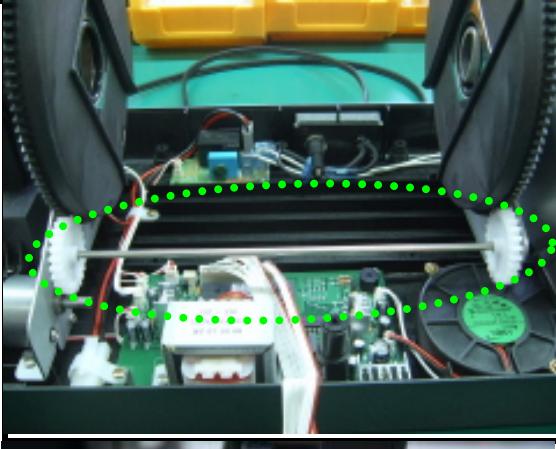
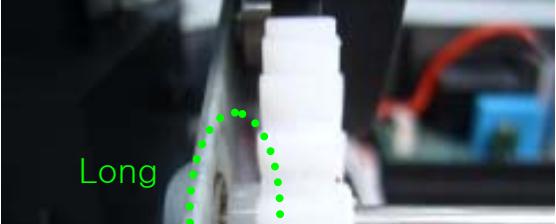
GEARED MOTOR

Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● With minus driver, remove the Geared motor from as indicated in this picture.

		● Rescrew them as indicated in this picture.
Disassembly		● To reassemble., make sure the shape of them to as indicated in this picture.

Assembly opposite operation of disassembly.

CONNECTING SHAFT ASS'Y

Requirements	1 2 3 4	
Process	Picture	Instruction
		● After remove the Motor Bracket Ass'y, remove the connecting Shaft Ass'y.
Disassembly		● To Reassembly, Make sure the shape of them as indicated in this picture.

Disassembly



- Before the reassembly, check the Bearing as in this picture.

Assembly

opposite operation of disassembly.

FUNCTION PLATE

Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none">● To remove the Function plate, Push that as this picture.

Assembly

opposite operation of disassembly.

BOTTOM CABINET

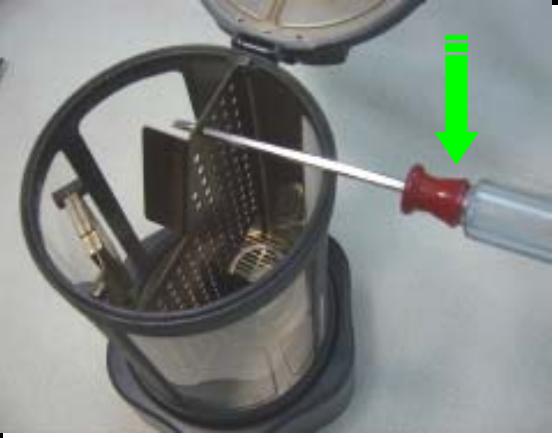
Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none">● The bottom cabinet is basic parts to assemble the any parts.



DUST NET

Requirements	1 2 3 4	Process	Picture	Instruction
Disassembly				<ul style="list-style-type: none">● Remove the Dust net from bottom cabinet by long as indicated in this picture.
Assembly				opposite operation of disassembly.

SEPARATOR

Requirements	1 2 3 4	Process	Picture	Instruction
Disassembly				<ul style="list-style-type: none">● With a driver, remove the separator as indicated by green arrow.
				<ul style="list-style-type: none">● To remove, Pull the section of separator as indicated in this picture.



Assembly opposite operation of disassembly.

FOOT PAD

Requirements	1 2 3 4	Process	Picture	Instruction
				<ul style="list-style-type: none">look at the Foot Pad as indicated in this picture.
Disassembly				<ul style="list-style-type: none">With minus driver, Remove the Foot Pad as indicated in this picture.
Assembly	opposite operation of disassembly.			

how to clean a dust net and chaff collector

Requirements	1 2 3 4	Process	Picture	Instruction
				<ul style="list-style-type: none">Clean the grill of chaff collector by Vaccum or shake that by hands.

Disassembly



- Remove the cap from Chaff collector, and then clean inside of collector by vaccum as maked in this photo.
- possible to clean as water, and please make sure to complete dry a chaff collector for a safety.

- clean the dust net as any brush

HOW TO CLEAN THE FAN FILTER

Requirements	1 2 3 4	
Process	Picture	Instruction
	Two photographs of a fan filter housing. The left image shows the front view with a circular vent. The right image shows the back view, which is a metal mesh filter.	<ul style="list-style-type: none">● Make sure to clean the Fan Filter after 3~5 batch of roasting.
Disassembly	A photograph showing a brush being used to clean the fan filter mesh. The brush is being moved across the metal mesh to remove debris.	<ul style="list-style-type: none">● Use the any brush to clean the Fan Filter.



- possible to clean as vaccum or others.

Remark