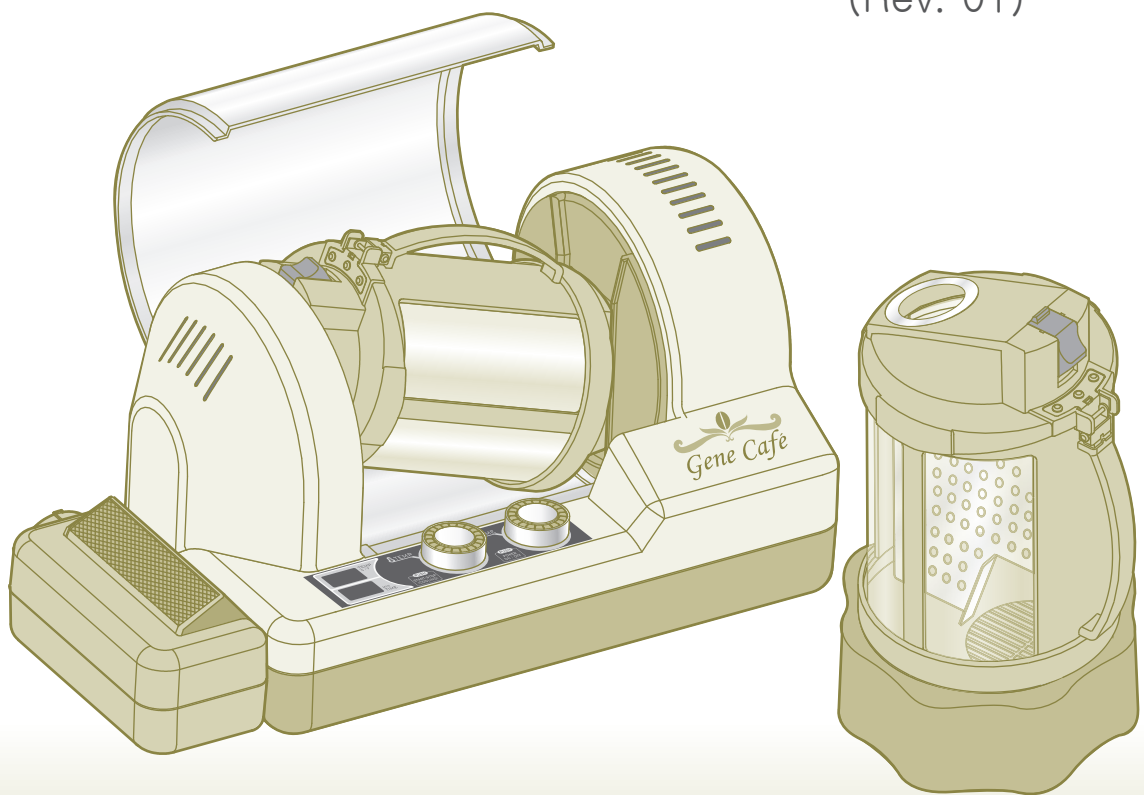




Gene Café

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 should not be discarded.

Gene Cafe Replacement Instructions

Model : Gene Café (CBR-101)

SAFETY COVER

Requirements

- 1
- 2
- 3
- 4

Process

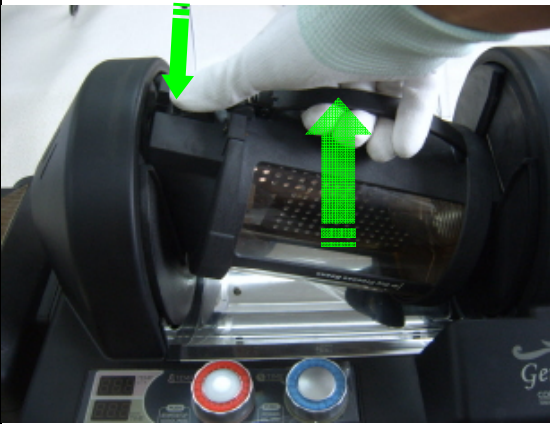
Picture

Instruction

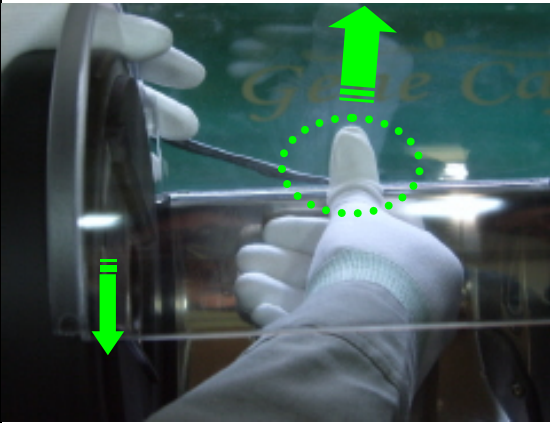
Disassembly



- Make sure that unpug the power cord before the assembly and disassembly.



- After open the safety cover, lift the chamber maked in this picture.



- After close the safety cover,remove it maked in this picture.

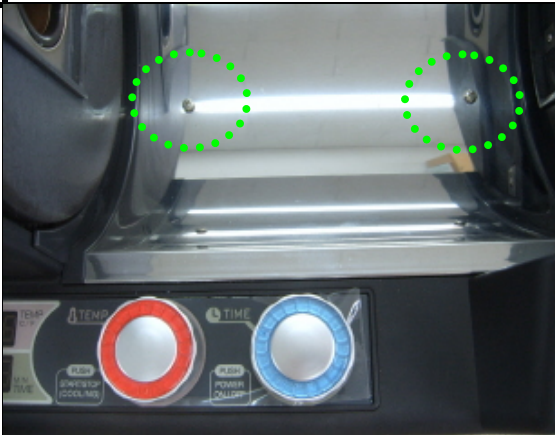
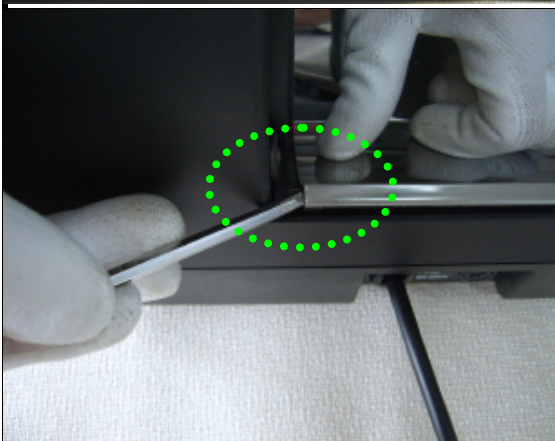
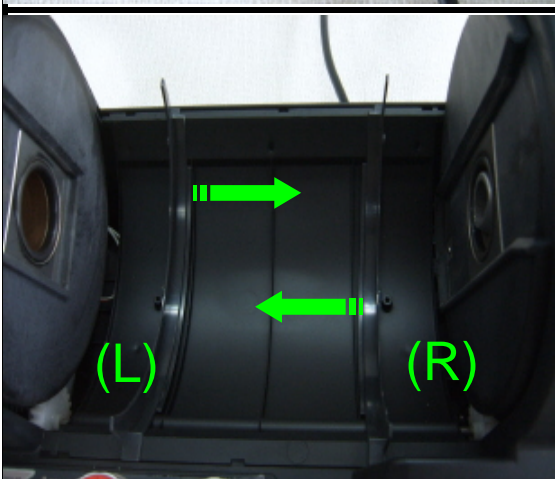
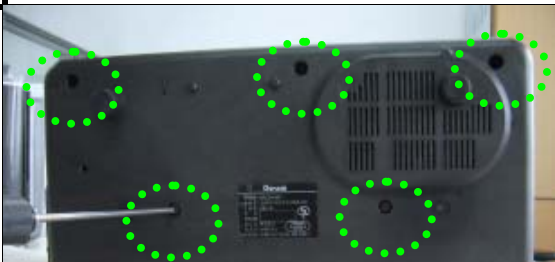
Assembly

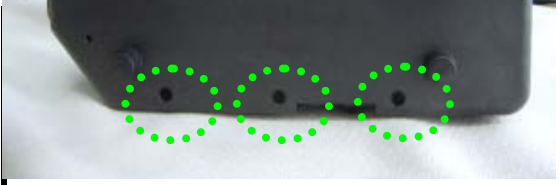
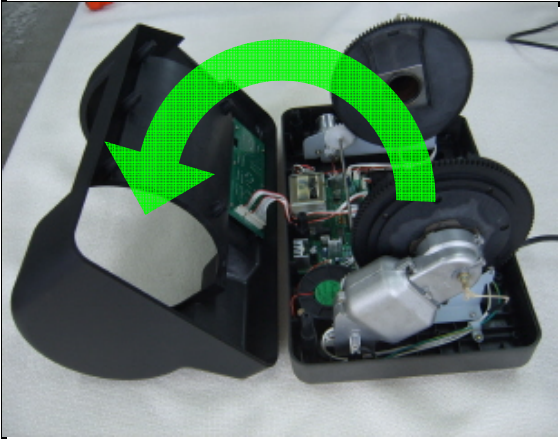
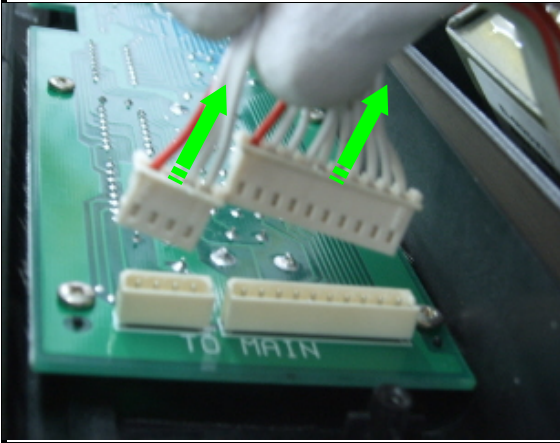
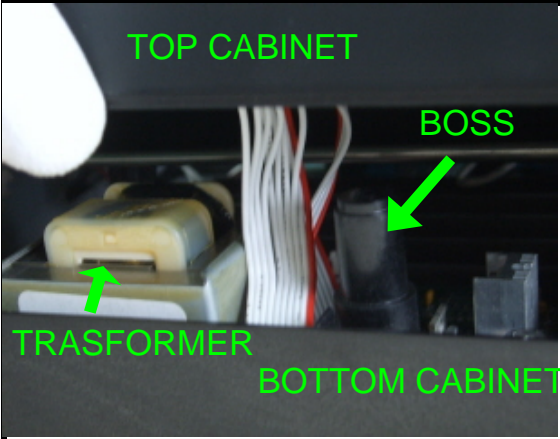
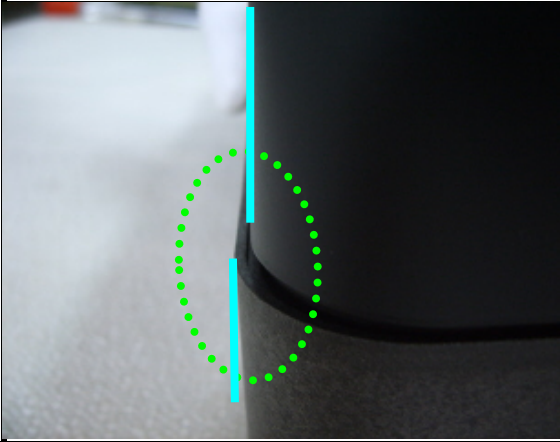
Opposite operation of disassembly.

BASE PANEL/SIDE COVER

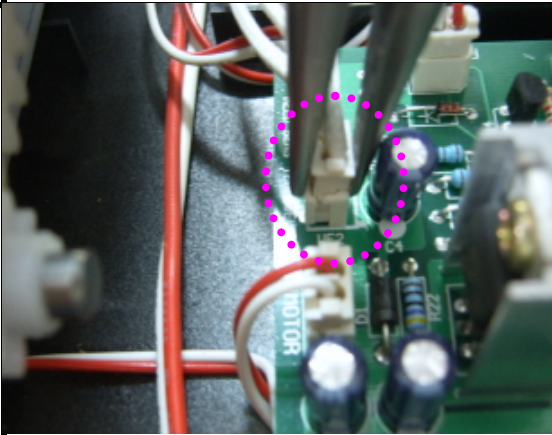
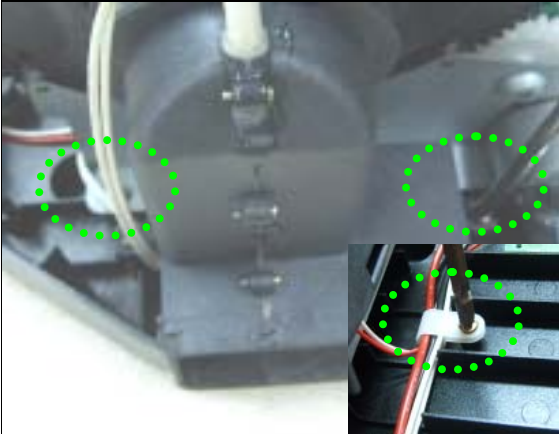
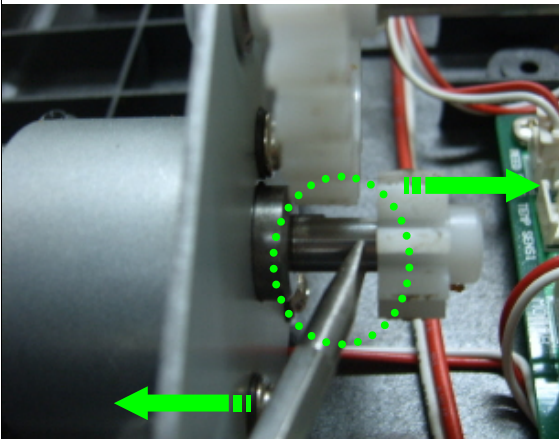
Requirements

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

Process	Picture	Instruction
Disassembly		● Unscrew them indicated in the picture.
		● Remove the base panel to use a tool indicated in the picture.
		● Pull out the side cover as indicated in the picture by green arrow. Caution) The process by reassembling, make sure the direction of side cover.
Assembly	opposite operation of disassembly.	
TOP CABINET		
Requirements	1 2 3 4	
Process	Picture	Instruction
		● Remove the eight screw at bottom of the roaster as indicated in the picture. ●Screw: x (6pc) Screw: x (2pc)

		
		<ul style="list-style-type: none"> ● Lift the top cabinet with both hand as indicated here by the green arrow.
<p>Disassembly</p>		<ul style="list-style-type: none"> ● Remove the connector with hands. in this picture.
		<ul style="list-style-type: none"> ● 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.
		<ul style="list-style-type: none"> ● To assembly with bottom cabinet, make sure to match the side of both as indicated in this picture.
<p>Assembly</p>	<p>opposite operation of disassembly.</p>	

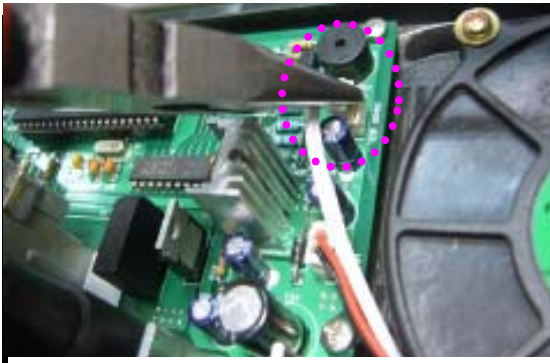
DAMPER OUT ASS'Y

Requirements	1		
	2		
	3		
	4		
Process	Picture	Instruction	
Disassembly		● In the main PCB, remove the "Temp Sen(1)" by long nose.	
		● Rescrew them as indicated in this picture and then, Remove the bottom cabinet as lift the damper out Ass'y.	
		● With minus driver, Remove the motor gear from motor shaft as indicated by this picture.	
Assembly	opposite operation of disassembly.		

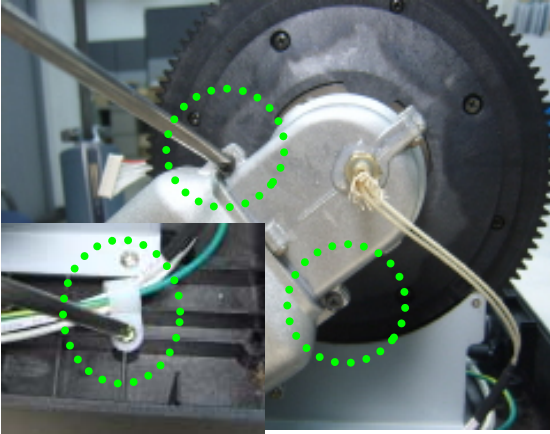
DAMPER IN ASS'Y

Requirements	1		
	2		
	3		
	4		
Process	Picture	Instruction	
		● In the main PCB, remove the "Temp Sen(2)"	

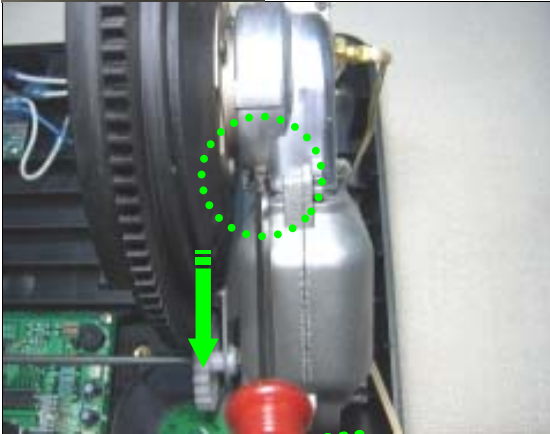
Disassembly



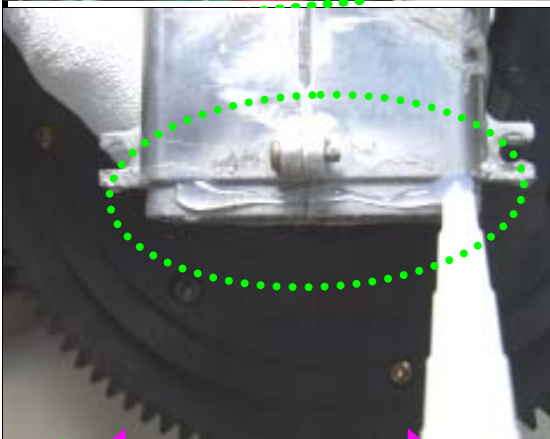
by long nose.



● Rescrew them as indicated in this picture.



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



● To reassembly, 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

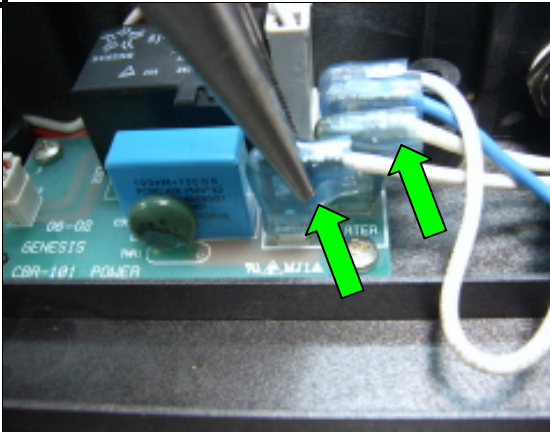
Requirements

1
2
3
4

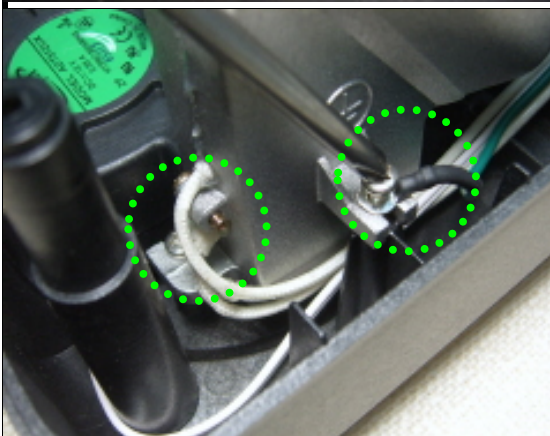
Process

Picture

Instruction



● In the Power PCB, remove the connection of heater by long nose.

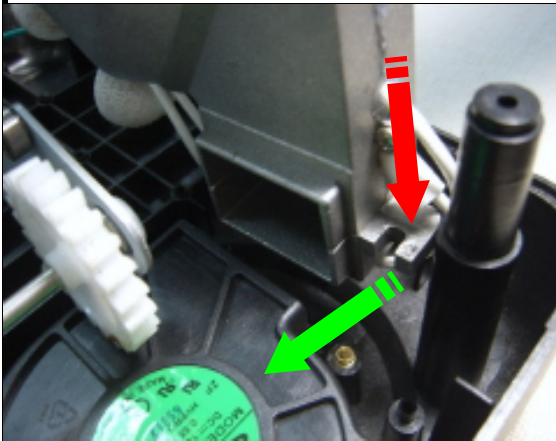


● Rescrew them as indicated in this picture.

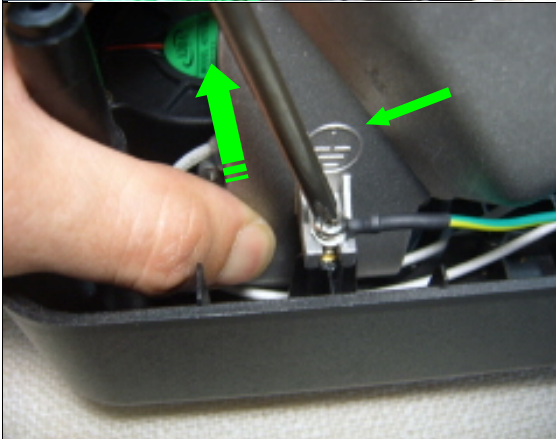
Disassembly



● 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

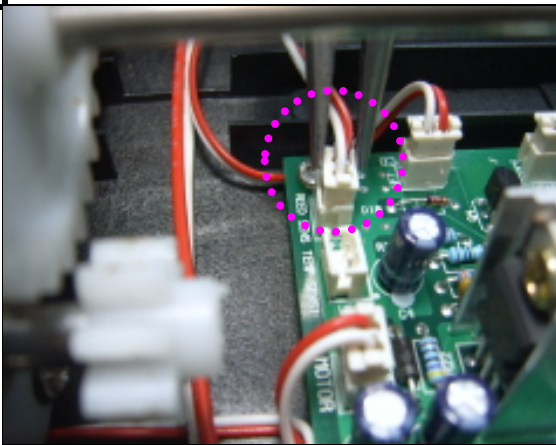
Requirements

1
2
3
4

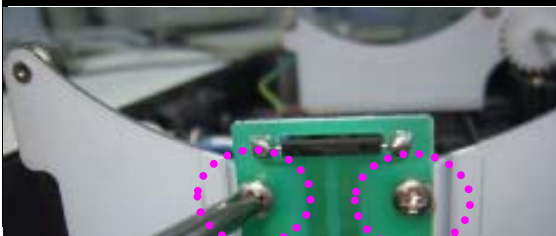
Process

Picture

Instruction

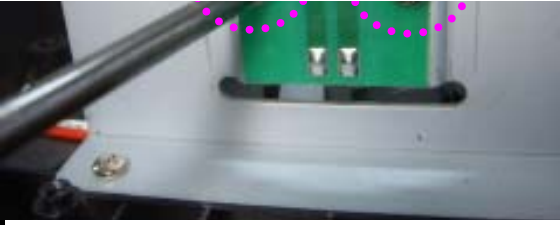
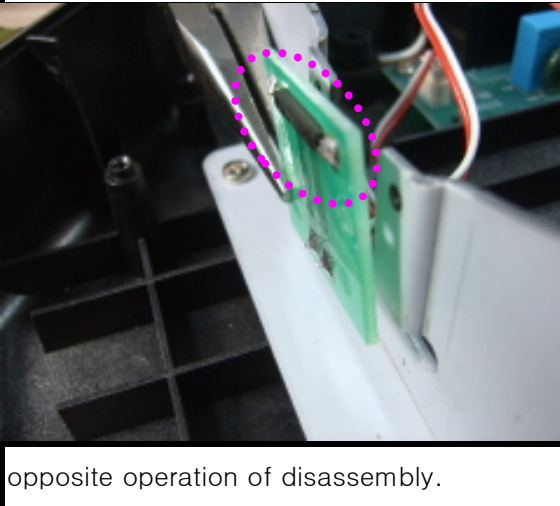


● In the main PCB, remove the "REED SENS" by long nose.

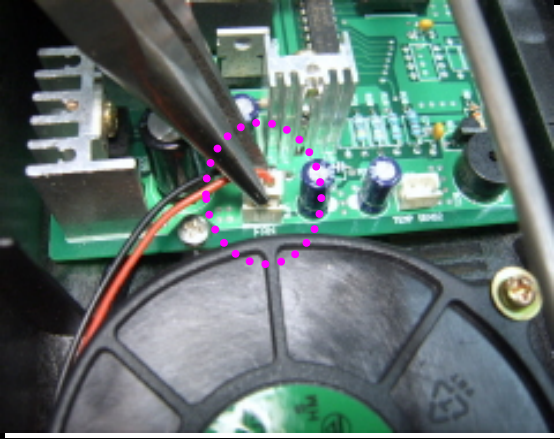
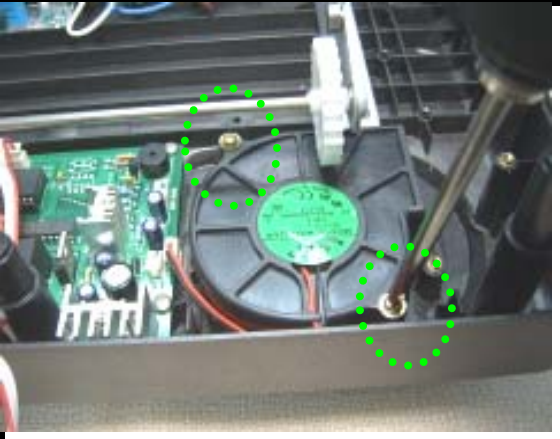



● Rescrew them as indicated in this picture.

Disassemblv

Disassembly		
		<ul style="list-style-type: none"> ● To assembly, make sure that, the REED SENSOR located left side of PCB.
Assembly	opposite operation of disassembly.	

FAN

Requirements	<div>1</div> <div>2</div> <div>3</div> <div>4</div>	
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

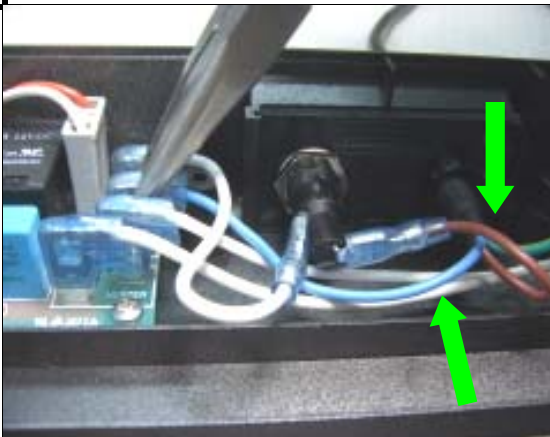
Requirements

1
2
3
4

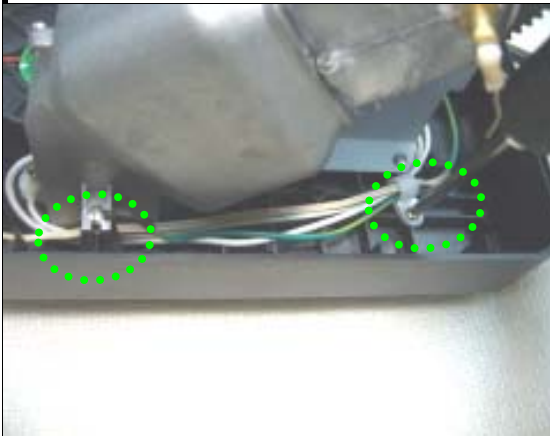
Process

Picture

Instruction

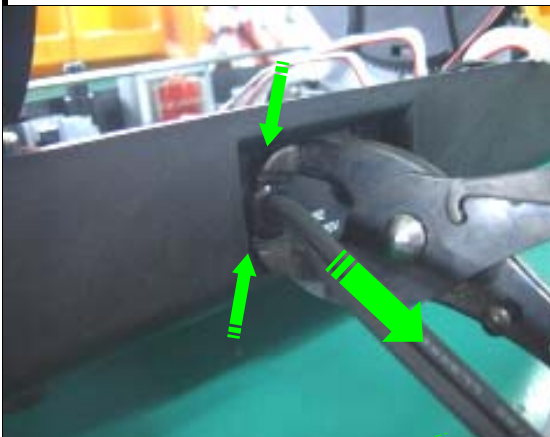


● Remove the Two connector as indicated in this picture from the main PCB and FUSE HOLDER.



● Rescrew them as indicated in this picture

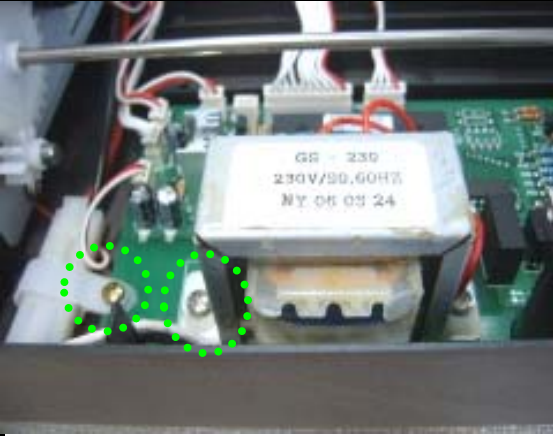
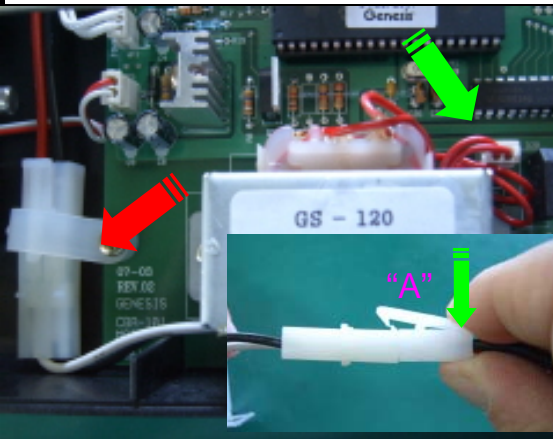
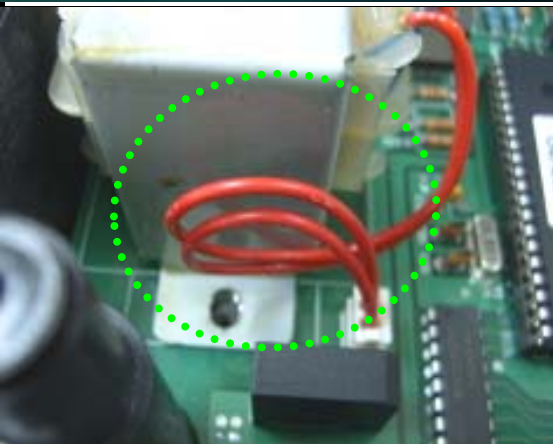
Disassembly

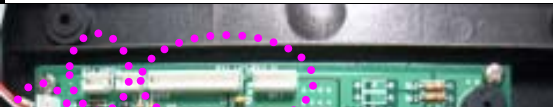


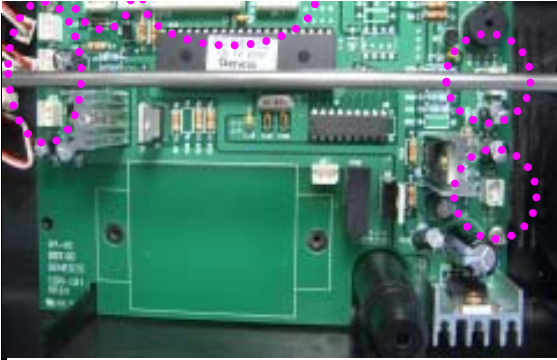
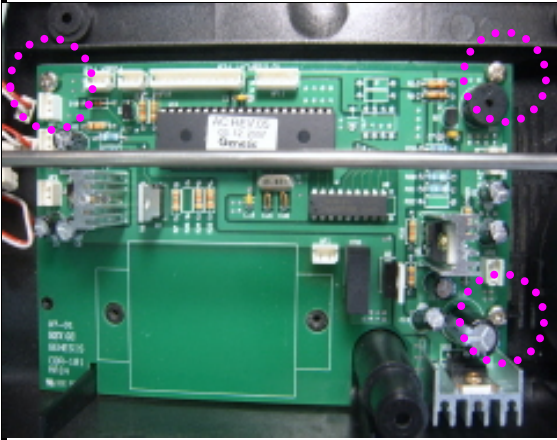
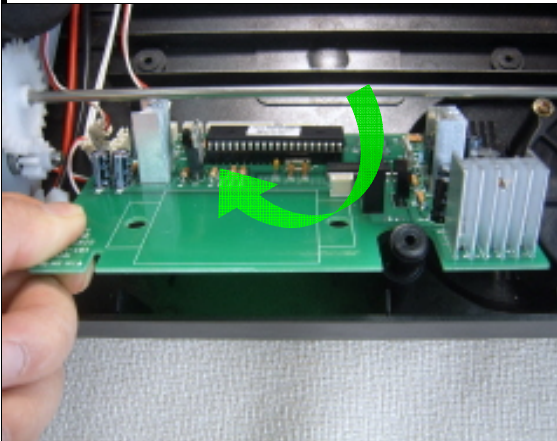
● With Cord Pusher, Push the cord push and then as indicate by the arrow.

Assembly

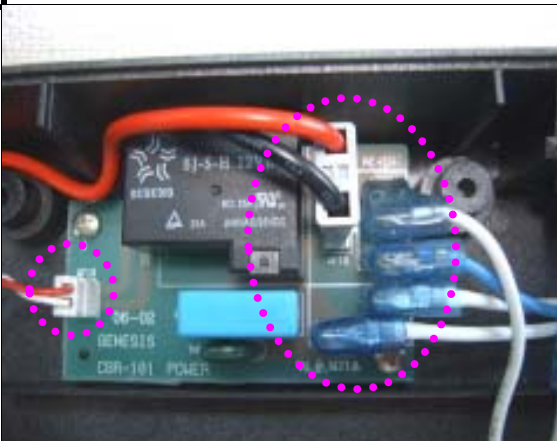
opposite operation of disassembly.

TRANSFORMER		
Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none"> ● Rescrew them as indicated in this picture.
		<ul style="list-style-type: none"> ● Remove the connector as indicated in small picture by long nose.
		<ul style="list-style-type: none"> ● Cordinated the Led wire as indicated in this picture.
Assembly	opposite operation of disassembly.	

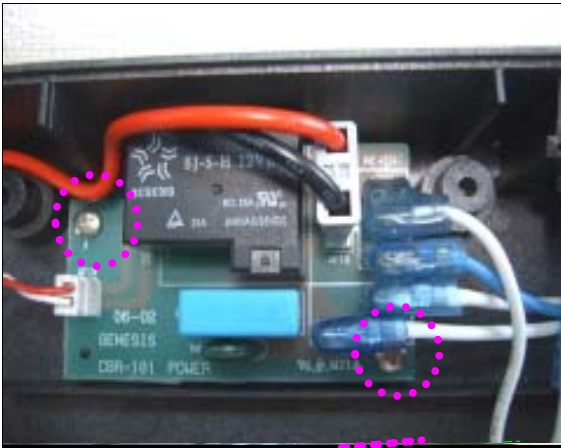
MAIN PCB		
Requirements	1 2 3 4	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● In the main PCB, remove all of connector as indicated

Disassembly		by hands.
		● Rescrew them as indicated in this picture .
		● To remove the PCB from Bottom cabinet, make sure indicated by green arrow.
Assembly	opposite operation of disassembly.	

POWER PCB

Requirements	<ol style="list-style-type: none"> 1 2 3 4 	
Process	Picture	Instruction
Disassembly		● 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

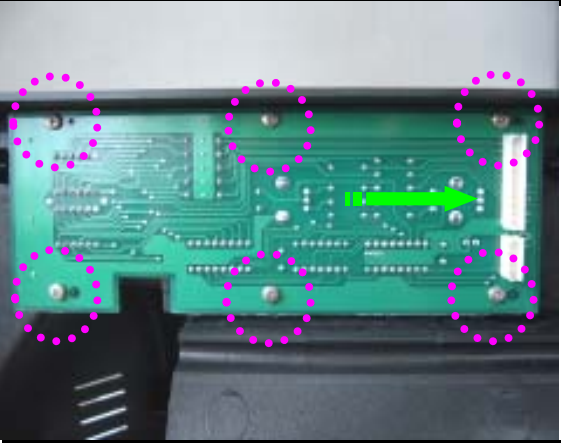
- 1
- 2
- 3
- 4

Process

Picture

Instruction

Disassembly



● 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

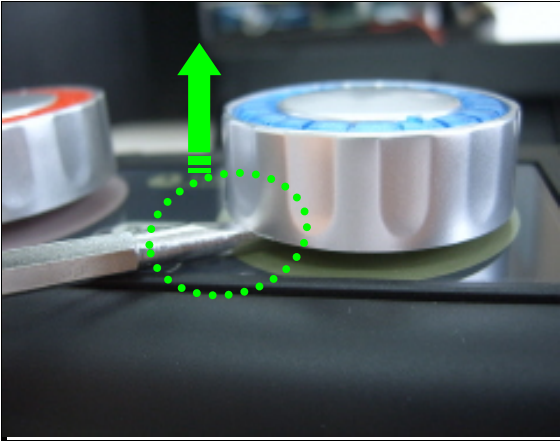
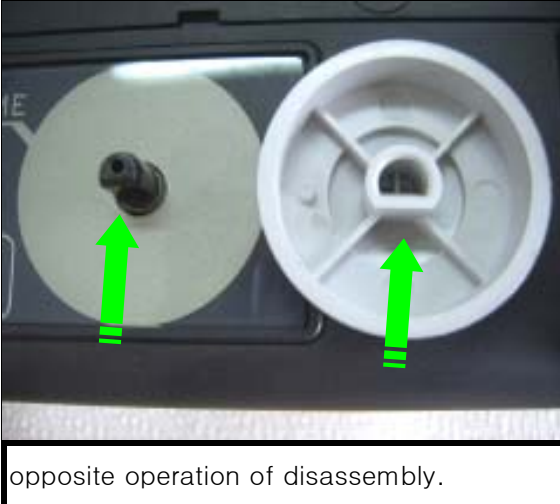
Process

Picture

Instruction


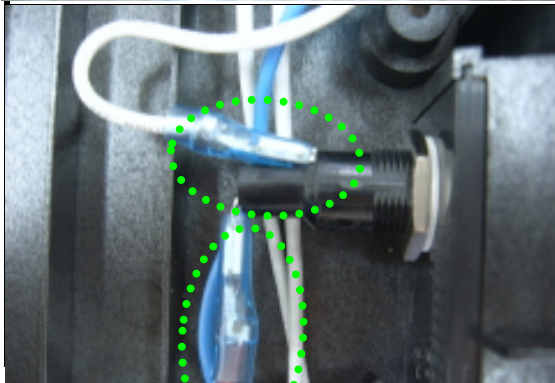


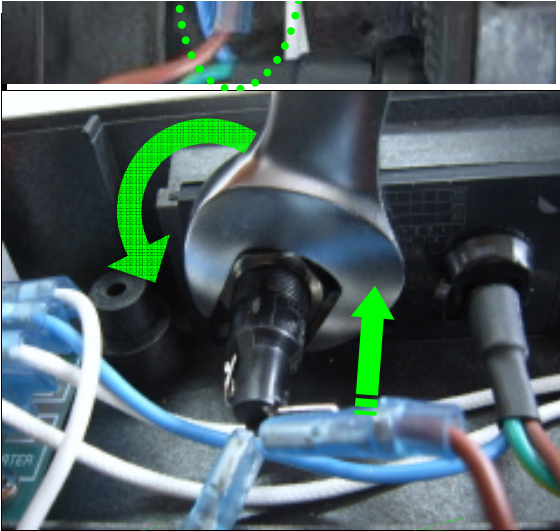
● Remove the Knob by hands as indicated in this

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


opposite operation of disassembly.

FUSE/FUSE HOLDER

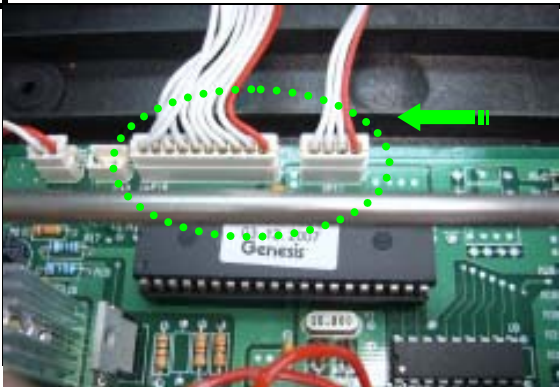
Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		● With minus driver, remove the Cap as indicated by green arrow.
		● With hold the body of Fuse holder, Remove the as indicated in this picture.

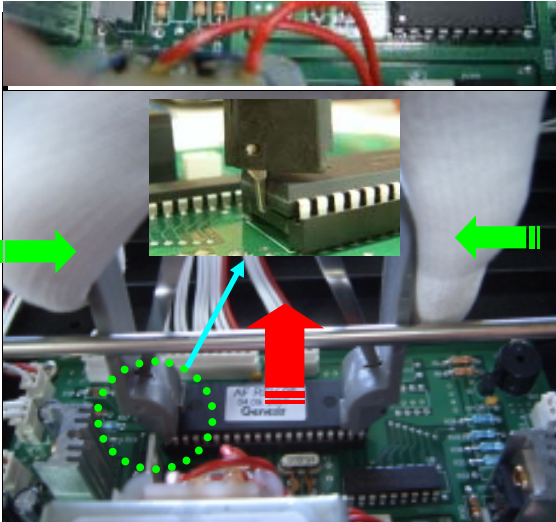
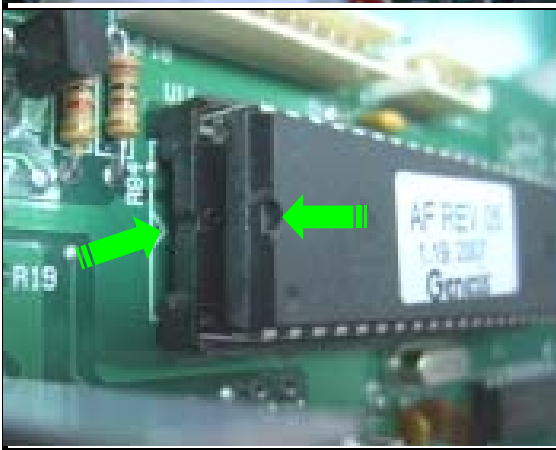
Assembly			<ul style="list-style-type: none"> ● Rescrew the Fuse holder as indicated by green arrow, and then push that to remove.
	opposite operation of disassembly.		

POWER PANEL

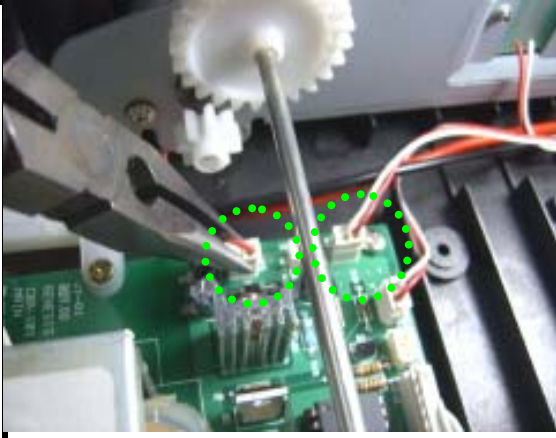
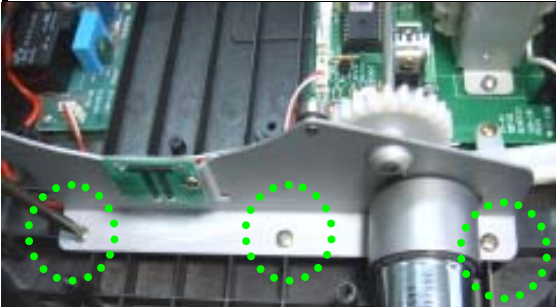
Requirements	1		
	2		
	3		
	4		
Process		Picture	Instruction
Disassembly			<ul style="list-style-type: none">● To remove, Push the Power panel as indicated in this picture.
	Assembly	opposite operation of disassembly.	

CPU

Requirements	1			
	2			
	3			
	4			
Process	Picture	Instruction		
			● Remove the Control wire or located as indicated in this picture.	

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

MOTOR BRACKET ASS'Y(L)

Requirements	<ol style="list-style-type: none"> 1 2 3 4 		
Process	Picture	Instruction	
Disassembly		<p>● Remove the Reed sensor and connector of Motor Main PCB as indicated in this picture.</p>	
		<p>●To remove Bracket ,Rescrew them as indicated in this picture.</p>	



●To Reassembly, 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



● 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


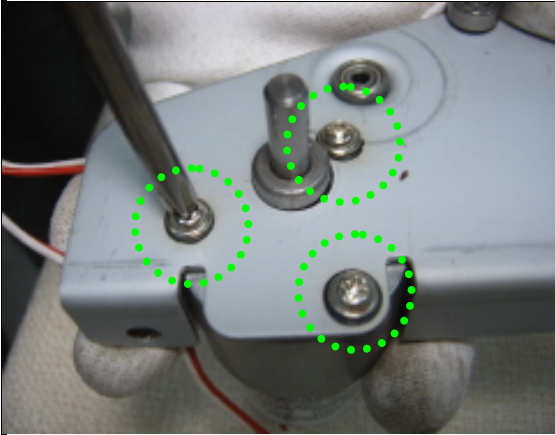
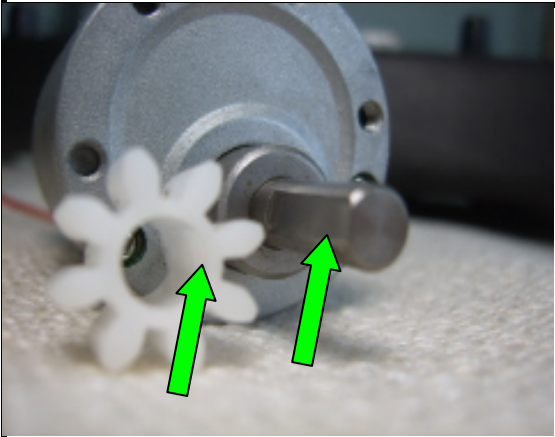
Process

Picture

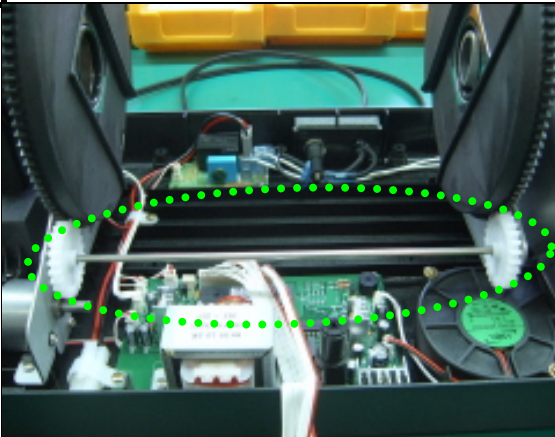
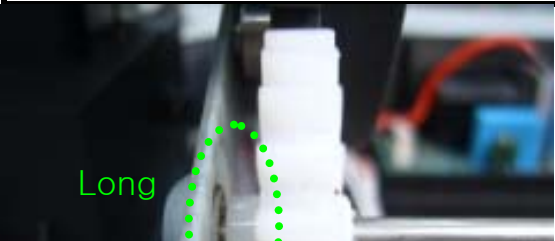
Instruction

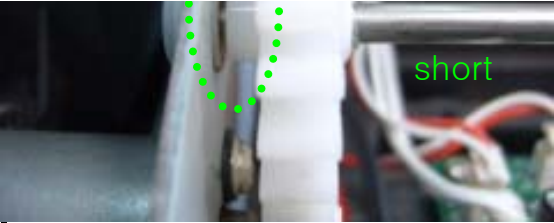



● With minus driver, remove the Geared motor from as indicated in this picture.


Disassembly		
		<ul style="list-style-type: none"> ● Rescrew them as indicated in this picture.
Assembly		<ul style="list-style-type: none"> ● To reassembly., make sure the shape of them to as indicated in this picture.
opposite operation of disassembly.		

CONNECTING SHAFT ASS'Y


Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none"> ● After remove the Motor Bracket Ass'y, remove the connecting Shaft Ass'y.
		<ul style="list-style-type: none"> ● To Reassembly, Make sure the shape of them as indicated in this picture.

Disassembly		
		<p>● Before the reassembly, check the Bearing as in this picture.</p>
Assembly	opposite operation of disassembly.	

FUNCTION PLATE

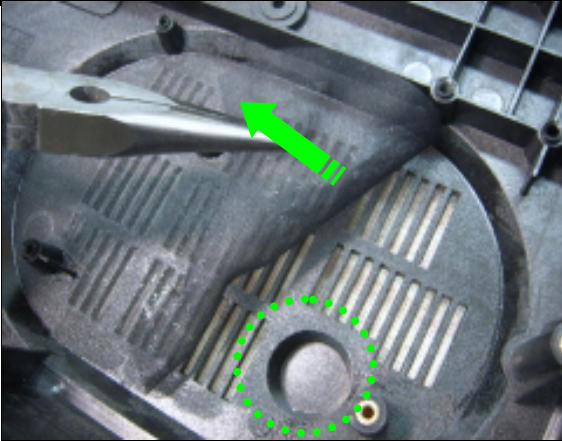
Requirements	1		
	2		
	3		
	4		
Process	Picture	Instruction	
Disassembly		●To remove the Function plate, Push that as this picture.	
Assembly	opposite operation of disassembly.		

BOTTOM CABINET



Requirements	1		
	2		
	3		
	4		
Process	Picture	Instruction	
Disassembly		<p>● The bottom cabinet is basic parts to assembly the any parts.</p>	

Disassembly	
-------------	--

DUST NET


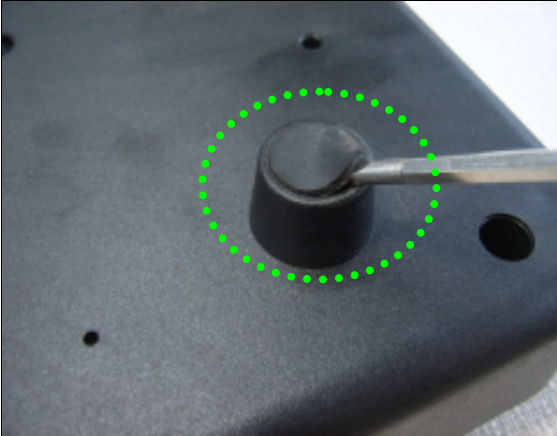
Requirements	<div>1</div> <div>2</div> <div>3</div> <div>4</div>	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none"> ● Remove the Dust net from bottom cabinet by long as indicated in this picture.
Assembly	opposite operation of disassembly.	

SEPARATOR


Requirements	<div>1</div> <div>2</div> <div>3</div> <div>4</div>	
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	<div>1</div> <div>2</div> <div>3</div> <div>4</div>	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none"> ● look at the Foot Pad as indicated in this picture.
		<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	<div>1</div> <div>2</div> <div>3</div> <div>4</div>	
Process	Picture	Instruction
		<ul style="list-style-type: none"> ● Clean the grill of chaff collector by Vaccum or shake that by hands.

Disassembly		
		<ul style="list-style-type: none"> ● Remove the cap from Chaff collector, and then clean inside of collector by vacuum as made in this photo. ● possible to clean as water, and please make sure to complete dry a chaff collector for a safety.
		<ul style="list-style-type: none"> ● clean the dust net as any brush

HOW TO CLEAN THE FAN FILTER

Requirements	1 2 3 4	
Process	Picture	Instruction
Disassembly		<ul style="list-style-type: none"> ● Make sure to clean the Fan Filter after 3~5 batch of roasting.
		<ul style="list-style-type: none"> ● Use the any brush to clean the Fan Filter.



- possible to clean as vaccum or others.

Remark