

AO980

Page down to view each document

- 1 Table of contents
- 2 Injector sizes
- 3 Service Manual

A0980SS GAS Cook Top

TABLE FOR THE CHOICE OF THE INJECTORS

| | Natural gas | | Propane gas | |
|---------------------------|--------------------------------|------------------------|--------------------------------|------------------------|
| | Injector orifice Diameter (mm) | Gas consumption (Mj/h) | Injector orifice Diameter (mm) | Gas consumption (Mj/h) |
| Test Point Pressure (KPA) | 1.0 | | | |
| BURNER | | | | |
| Auxiliary (A) | 0.95 | 4 Mj/h | 0.52 | 4 Mj/h |
| Medium-speed burner (SR) | 1.24 | 7.6 Mj/h | 0.73 | 7.2 Mj/h |
| Large-Rapid | 1.55 | 12 Mj/h | 0.88 | 10.8Mj/h |

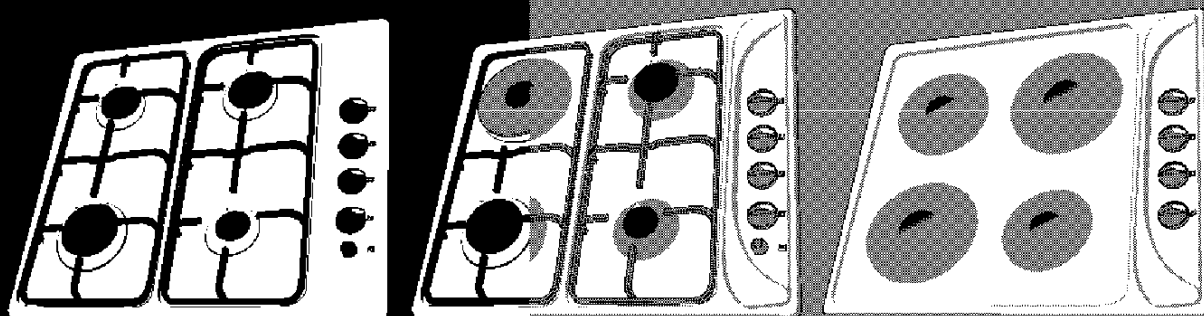
SERVICE MANUAL

4 GAS

3 GAS + 1 ELECTRICAL

4 ELECTRICAL

**BUILT-IN & TABLE TOP
COOKERS**





A T T E N T I O N !

For personal safety, make sure that the gas and the electrical connections to the range have been disconnected before starting the removal procedure to replace parts.

C O N T E N T S

**For 4 Gas Models;
reassamble the cooker prior to
pages 2 - 10.**

**For 3 Gas+1 Electrical Models;
reassamble the cooker prior to
pages 2 - 10 for gas burners, 11
and 12 - 13 for hotplates.**

**For 4 Electrical Models;
reassamble the cooker prior to
pages 9 - 10 and 12 - 13.**

**For Table Top Models;
reassamble the frame and glass
top lid prior to page 14.**

Built - in & TableTop Cookers

Replacement of the knobs / 2

Replacement of the leakage
preventing washer / 2

Replacement of the burner caps and
the burner heads / 2

Replacement of the burner injector / 2

Replacement of the ignition button / 3

Removal of the top burners' plate

(4 Gas Models) / 3-4

Replacement of the spark plug

(Ignition button) / 4

Replacement of the spark plug

(Integrated Ignition) / 5

Replacement of the ignition bobbin / 6

Replacement of the ignition switch / 7

Replacement of the gas tap / 8

Replacement of the main gas pipe group / 8

Replacement of the burner / 9

Replacement of the terminal block / 9

Replacement of the main cable / 10

Removal of the burners' plate

(3 Gas +1 Electrical Models) / 11

Removal of the burners' plate

(4 Electrical Models) / 12

Replacement of the warning lamp
and it's glass / 13

Replacement of the commutator / 13

Replacement of the hot plate / 13

Replacement of the glass top lid

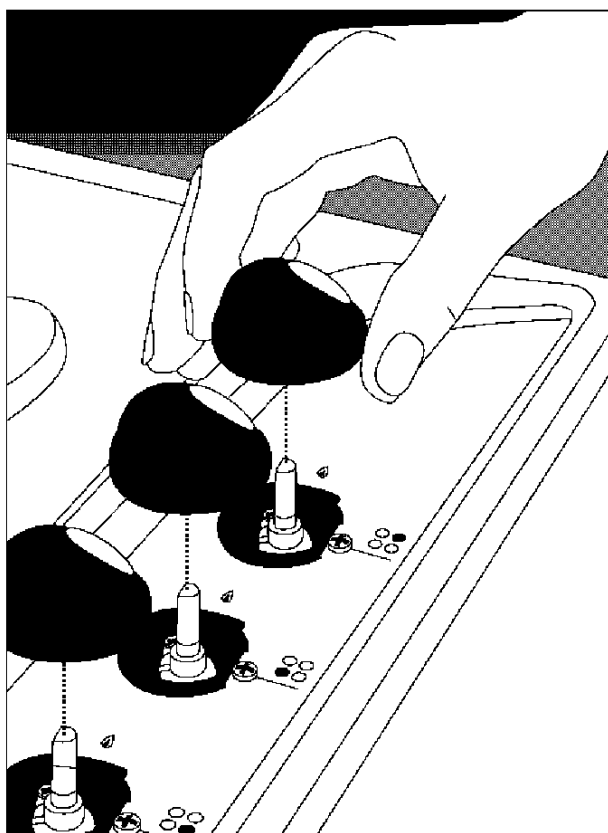
and the hinges of the lid / 14

Replacement of the glass lid hinge housing / 14

Removal of the frame of burners' plate / 14

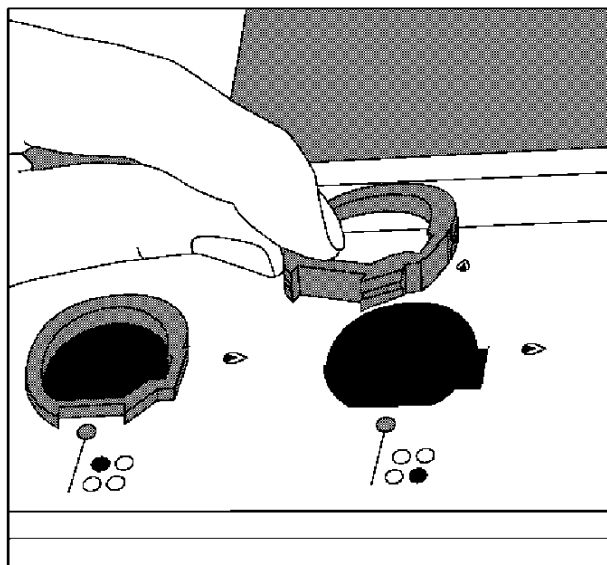
BUILT-IN & TABLE TOP COOKERS

Replacement of the Knobs (All models)



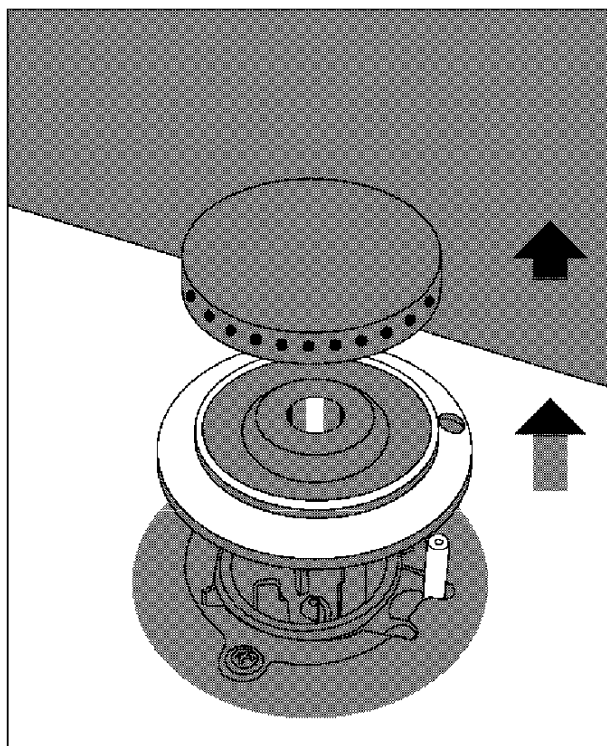
Remove the knobs on the burners' plate group by holding them tightly and raising them upwards.

Replacement of the leakage preventive washer (All Gas models)



Remove the top burner plate prior to carrying out this operation. Then; pull and remove the leakage preventing washer from its place and replace with a new one. Leakage preventing washer can be removed without removing the the top burner plate. You have to remove knob of the gas tap in order to pull the leakage preventing washer.

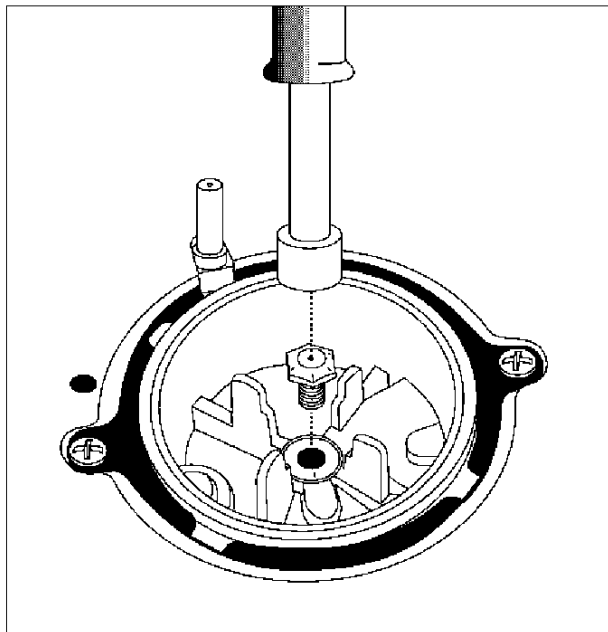
Replacement of the Burner Caps and Burner Heads



Remove the burner cap and burner heads by lifting them from top of the burners' plate.

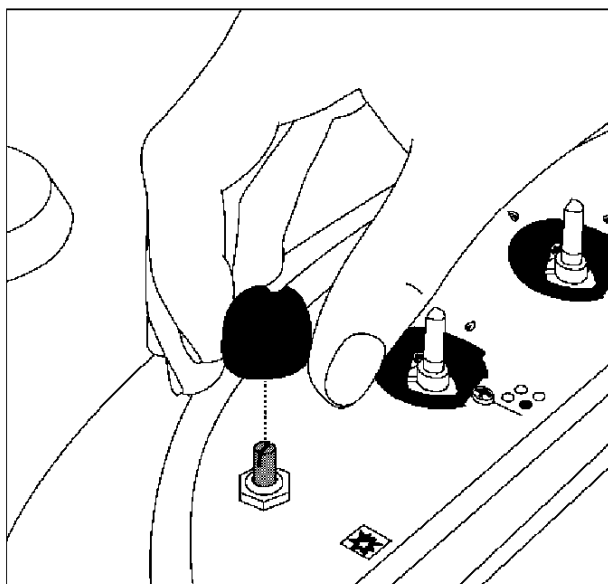
BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)

Replacement of the burner injector



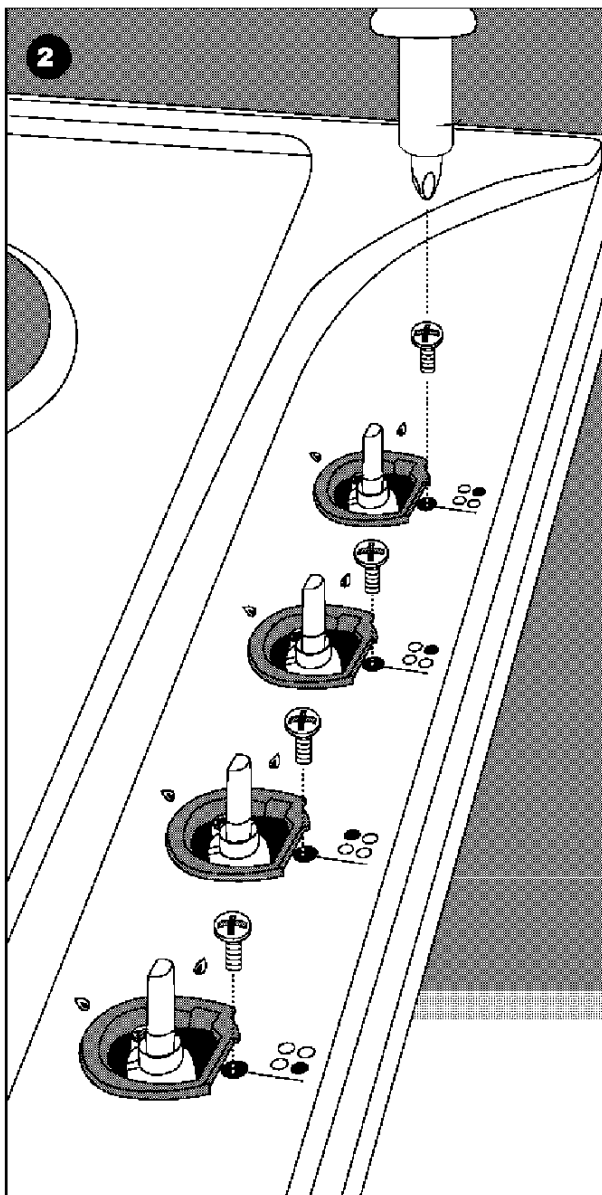
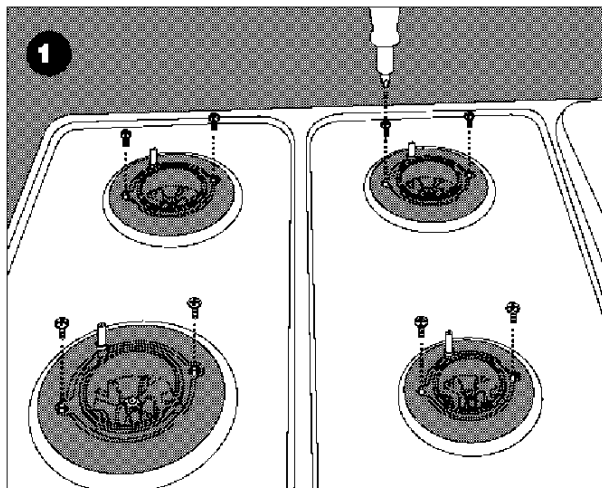
Take out the burner caps and the burner heads on the top burner plate prior to carrying out this operation. Then, remove the injector inside the top burner with a suitable bit. Afterwards, install the new injector by covering the injector threads with a leakage preventing material.

Replacement of the ignition button

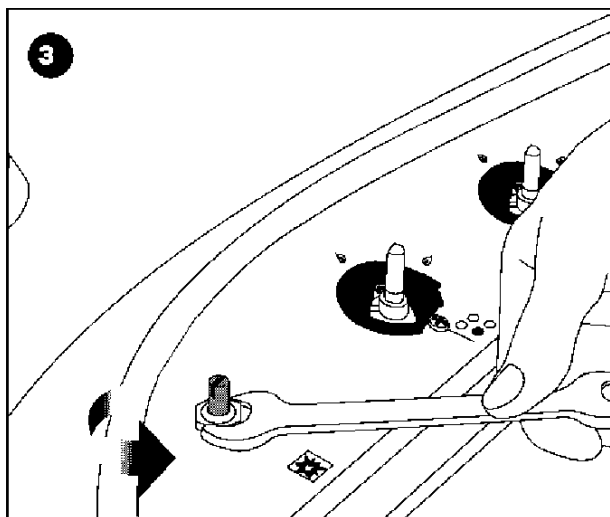


Hold the ignition button tightly and pull it upwards, thus remove it from the top burner plate and control panel assembly.

Removal of the top burners' plate (4 Gas Models)



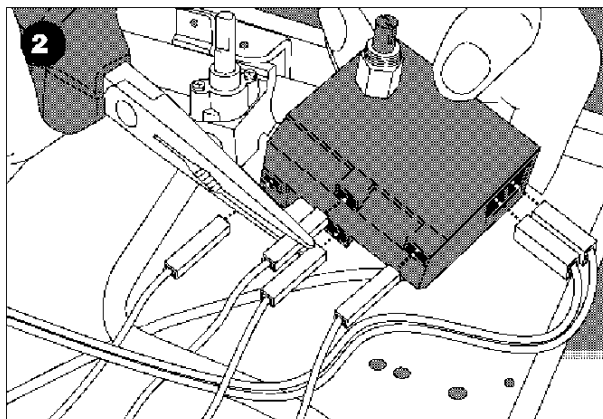
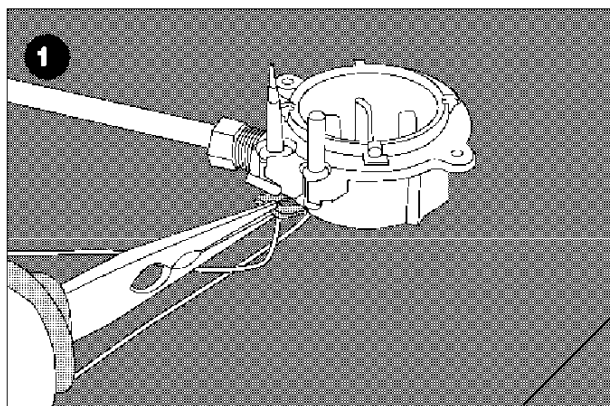
BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)



Take out the pan supports, burner caps and burner heads on the top burner plate prior to carrying out this operation. Then,

1. Unscrew the eight screws that fasten top burners to the top burner plate. There are two screws for each top burner.
 2. Unscrews the four gas top screws on the top burner plate.
 3. Remove the nut that is on the top burner plate and under the ignition button with a suitable bit.
- Then take out the top burner plate.

Replacement of the spark plug (Push Button Ignition)



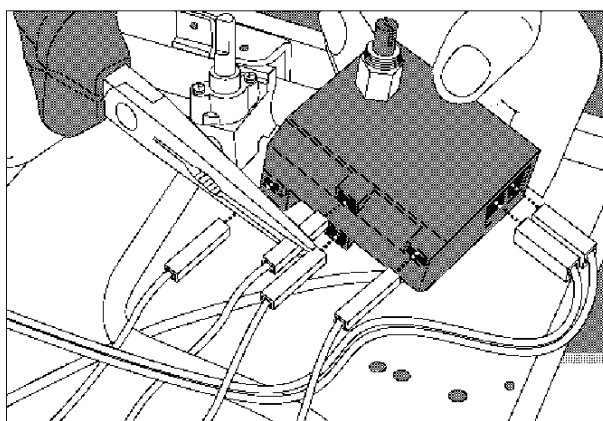
Remove the top burner plate prior to carrying out this procedure. Then;

1. Release the end of the spark plug that is connected to the top burner, by removing plug connecting notch.
2. Remove the other end of the spark plug by pulling it from the ignition bobbin.

Afterwards, connect the cables of spark plug according to the electrical schematic diagram.

Adjust the length of the spark plug for a good ignition.

Replacement of the ignition bobbin (Push Button Ignition)



Remove the top burner plate prior to this procedure. Then as it is seen on the above picture, disconnect the spark plug and connection cables of ignition bobbin that is on the bottom protection sheet. Remove the ignition bobbin. Then reassemble the new ignition bobbin referring to the Electrical Wiring Diagram.

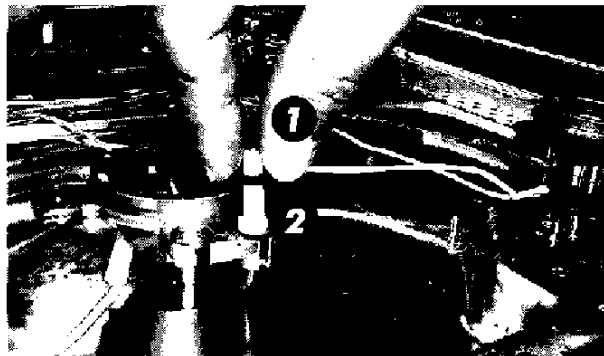
BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)

Replacement of the Spark Plug (Integrated Ignition)

Remove the top burner plate prior to carrying out this procedure. Then;

There are two types of seals that fasten the spark plug :

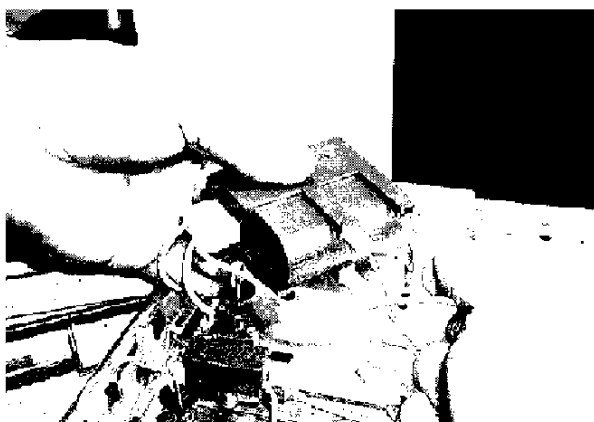
1. The seal that prevents the pressure of the burner plate on the spark plug.
2. The spark plug
3. The seal that fasten the plug on the burner plate.



1. Take off the first seal.
2. Lift the spark plug and the seal upwards, so release it from its place on the burner plate.

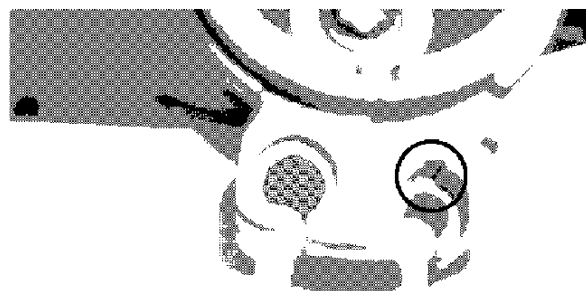


3. Remove the other end of the spark plug by pulling it from the ignition bobbin.
- Then connect the new spark plug to the ignition bobbin referring to the electrical schematic diagram.

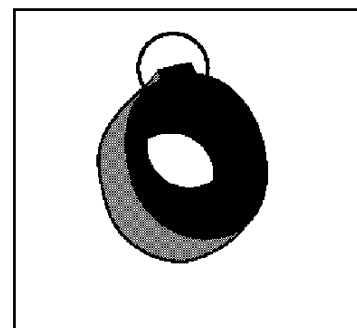


4. Adjust the new spark plug to its place on the burner plate.

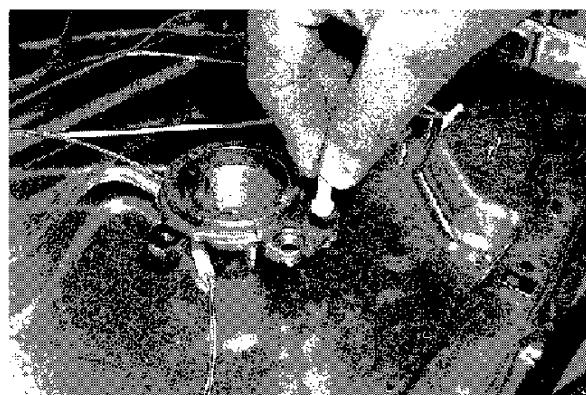
It is important to adjust the spark plug for a good ignition.



The second(2.) seal is not symmetrical so the placement of seal should be held correctly.



5. Place the second seal that fastens the burner plate and the spark plug. This notch should not be placed hardly. The level of the notch should be higher than the burner. This seal would come downwards after the placement of the burner plate and so prevent the pressure of the burner plate.

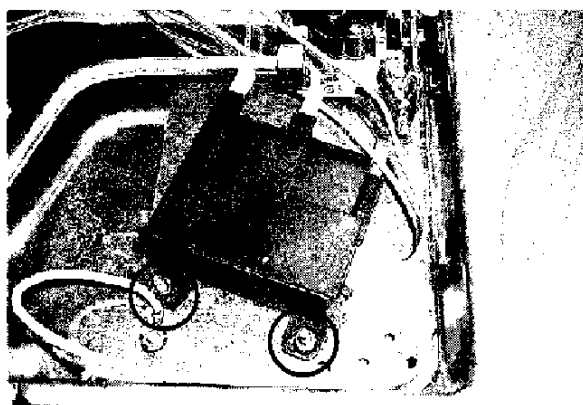


BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)

Replacement of the Ignition Bobbin (Integrated Ignition)

Remove the burners' plate prior to carrying out this procedure. Then ;

Unscrew the two screw-nut-washer connection that were on the bottom protection sheet.



Disconnect the cables that were connecting the ignition bobbin with spark plug and electrical supply. Then reassemble the new ignition bobbin referring to the electrical wiring.

Screw the new ignition bobbin to the bottom protection sheet.



BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)

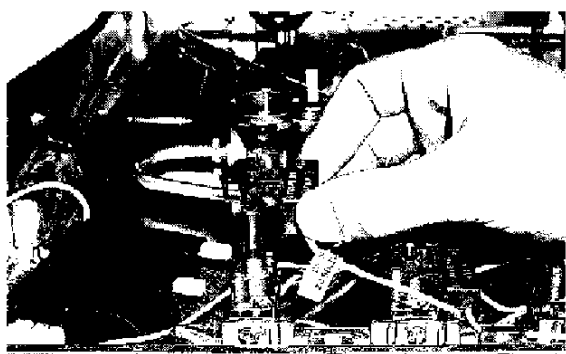
Replacement of the Ignition Switch (Integrated Ignition)



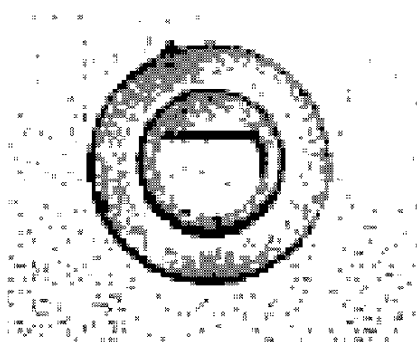
Remove the burners' plate prior to carrying out this procedure.

Then ;

1. Remove the nuts that fasten the feeding tube to the tap with a suitable bit. Take out the switches.



2. Disconnect the cable that connects the switch and the ignition bobbin. Reassemble the new switch group by carrying out the procedure.

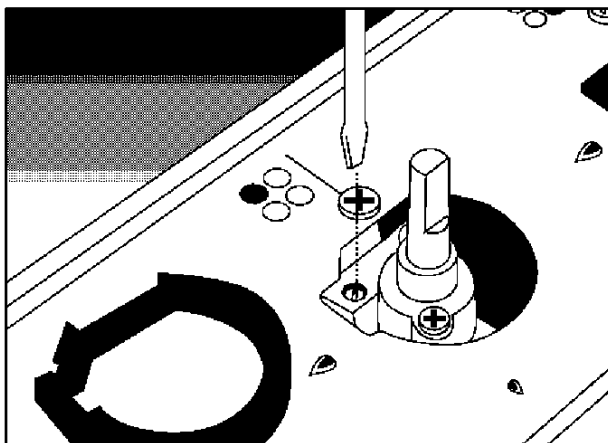
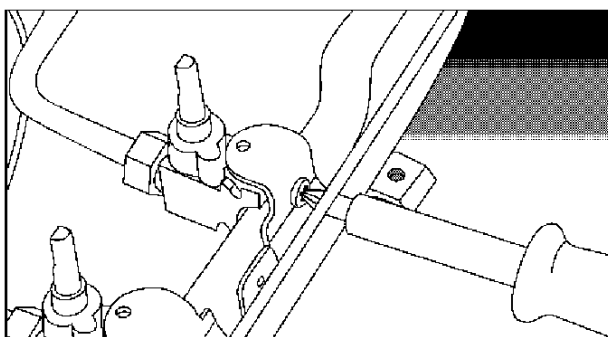
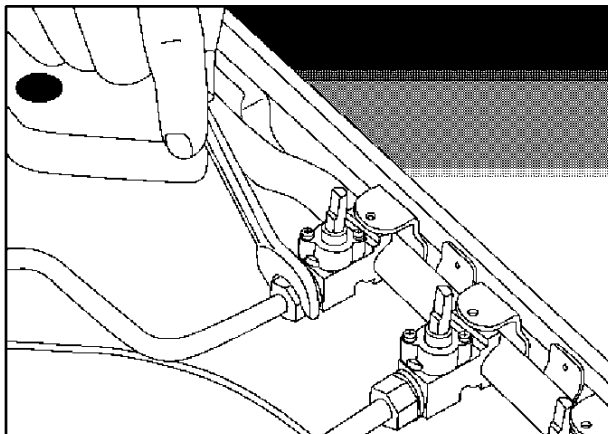


Do not forget screwing the seals after the placement of the new switch group. The seal hole is suitable for the tap spindle. The graduated side of the seal should come downwards after connecting to the tap. (the upper side on the picture)

It is important to adjust the seals for a good ignition. This seal connects the knob and the spark plug and so provides the ignition.

BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)

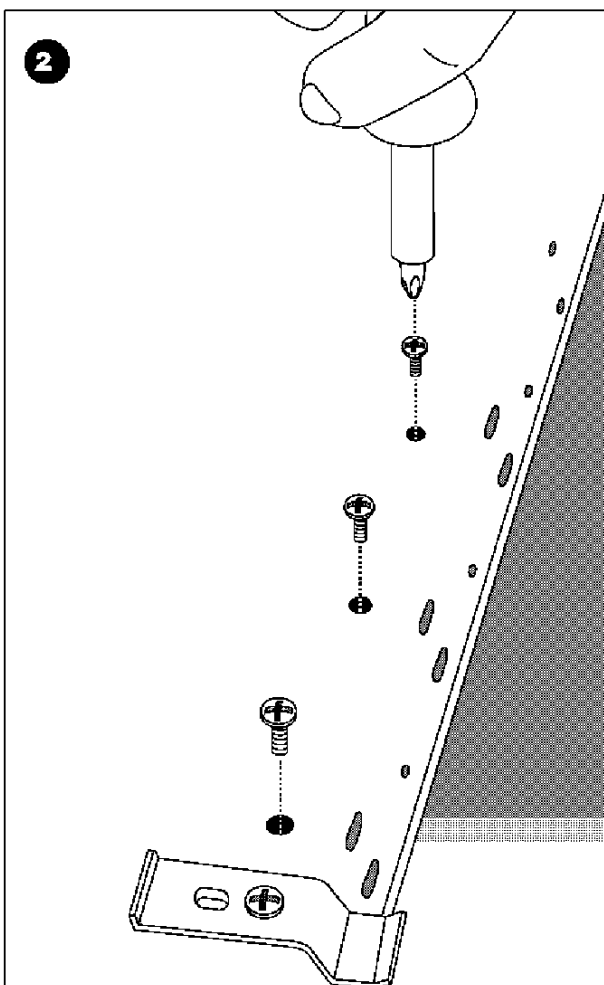
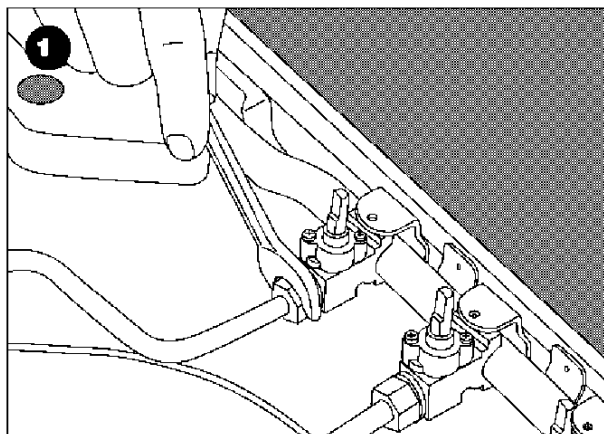
Replacement of the gas tap



Remove the top burner plate prior to carrying out this procedure. Then;

1. Remove the nut that fastens the feeding tube to the top with a suitable bit.
2. Unscrew the two screws, one of which is at the bottom and the other is at the top, on the gas tap's connecting clamp as shown in the picture. Take out the gas tap connected to the main gas pipe.
3. After replacing the tap with a new one and completing the installation of it, remove the leakage washer on the top burner plate and make the tap reduced flow adjustment from the injector that is on the gas tap with a screwdriver.

Replacement of the main gas pipe group

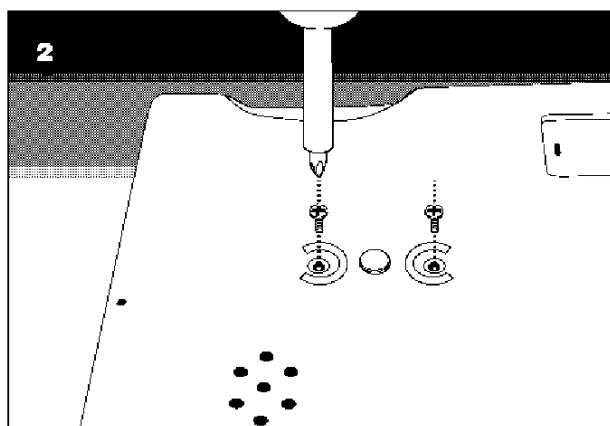
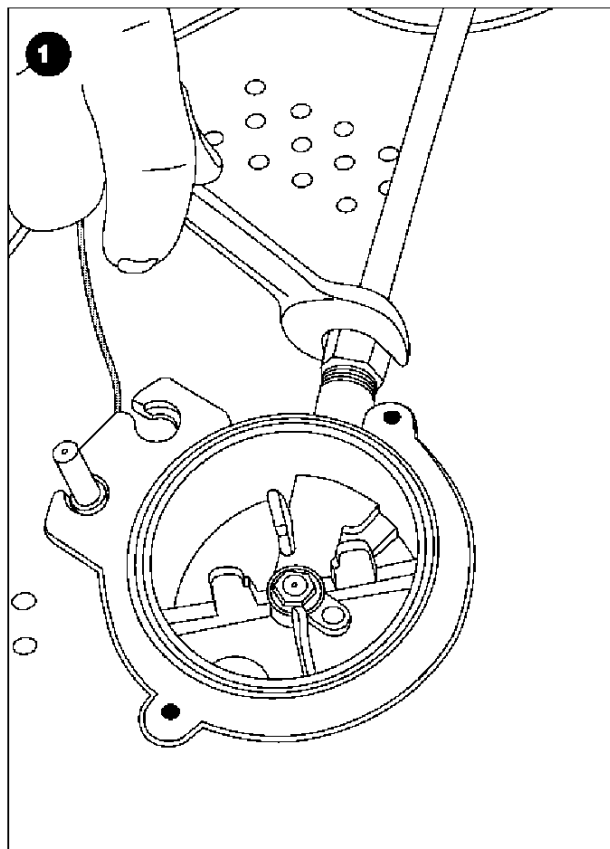


Remove the top burner plate prior to carrying out this procedure. Then;

1. Remove the nuts that fasten the feeding tubes to the taps with a suitable bit. Turn the range upside down.
2. Unscrew the three screws that fasten main gas pipe to the bottom protection sheet. Then take out the main gas pipe group.

BUILT-IN & TABLE TOP COOKERS (ALL GAS MODELS)

Replacement of the burner



Remove the top burner plate prior to carrying out this procedure. Then;

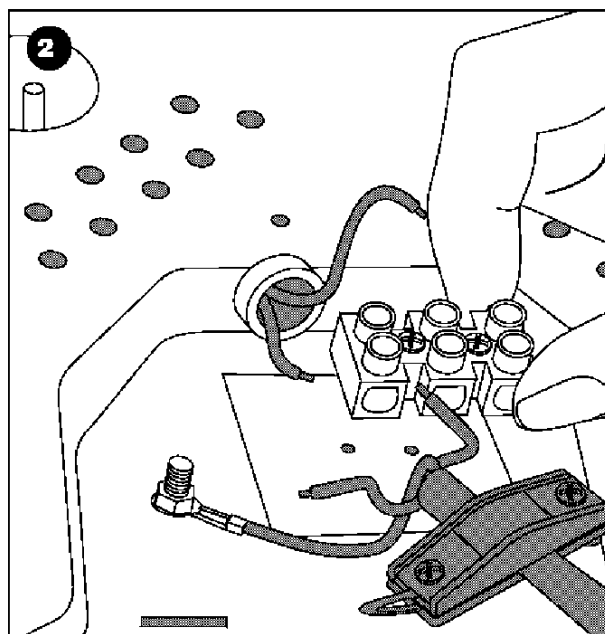
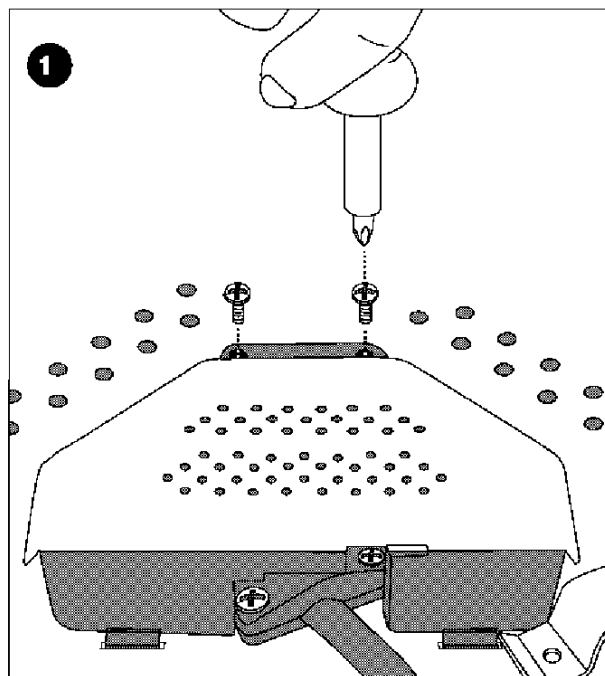
1. Release the end of the spark plug connected to the burner by removing spark plug connection clip.
2. Remove the nut that connects the feeding tube to the burner.

Turn the range upside down so that the bottom protection sheet will be upwards.

3. Unscrew the two screws that fasten burner to the bottom protection sheet.

Then take out the burner that remained free and replace it with a new one.

Replacement of the terminal block



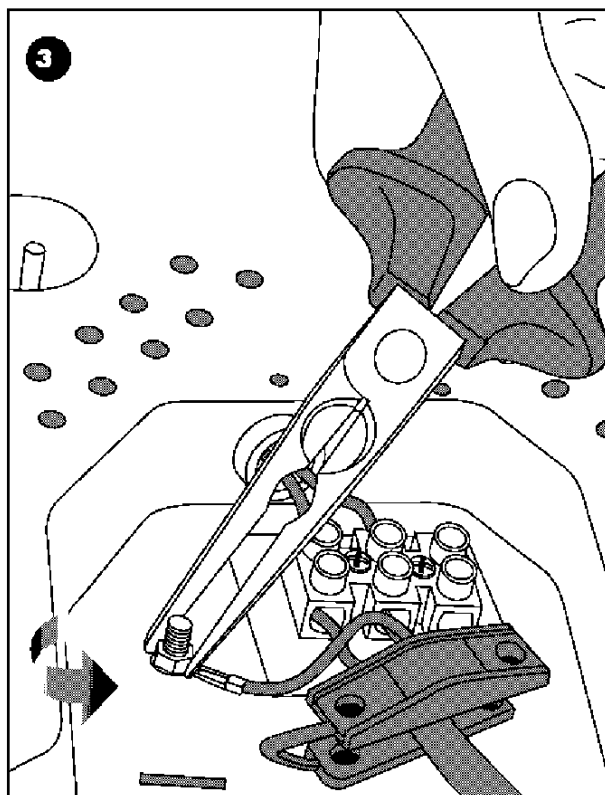
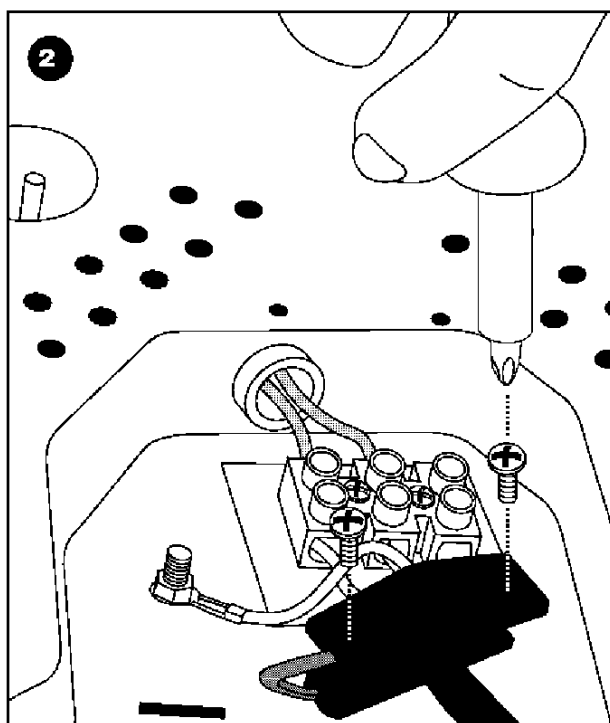
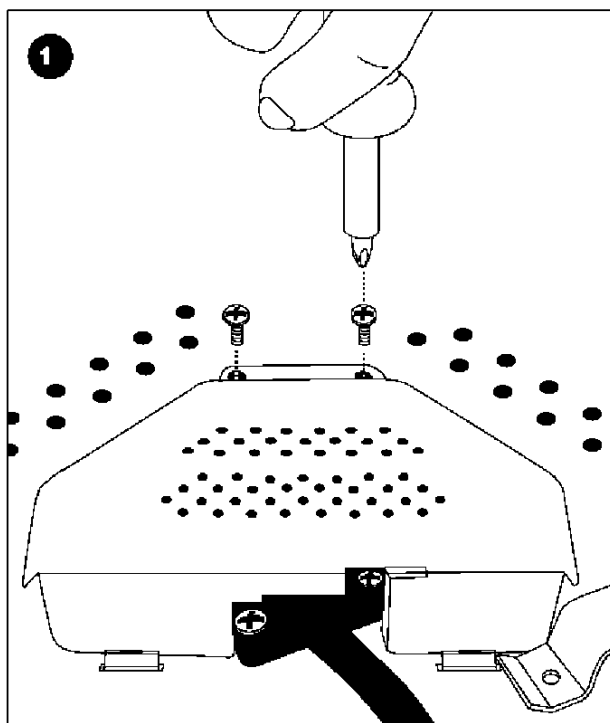
Turn the range upside down, so that the bottom protection will be upwars prior to carrying out this operation. Then,

1. Unscrew the two screws that fasten terminal block's cover to the bottom protection sheet and take out the cover.

2. Unscrew the cables of the terminal block with a suitable screwdriver. After unscrewing the two screws that fasten terminal block to the bottom protection sheet, take out the terminal block. Afterwards make all the electrical connections according to electrical schematic diagram while replacing the terminal block with a new one.

BUILT-IN & TABLE TOP COOKERS (ALL MODELS)

Replacement of the main cable



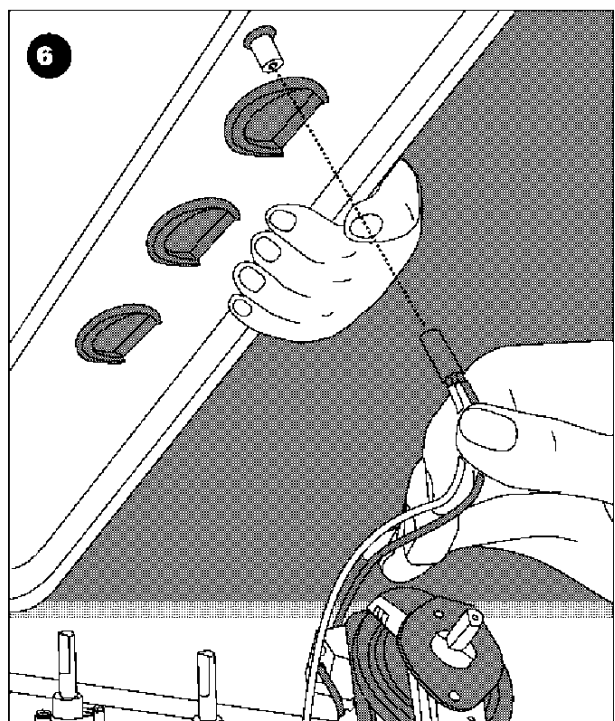
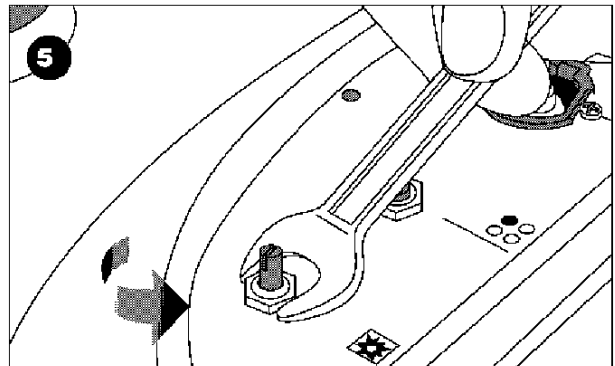
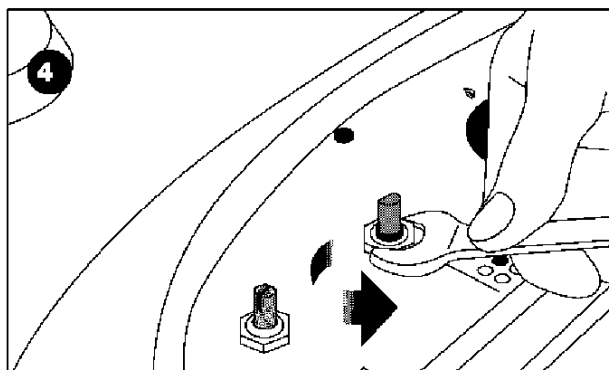
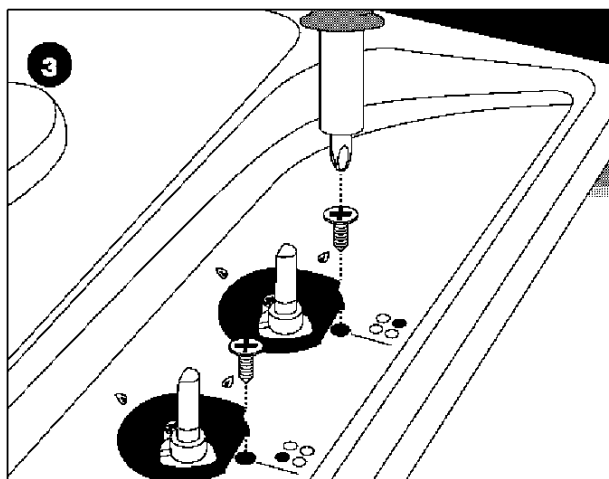
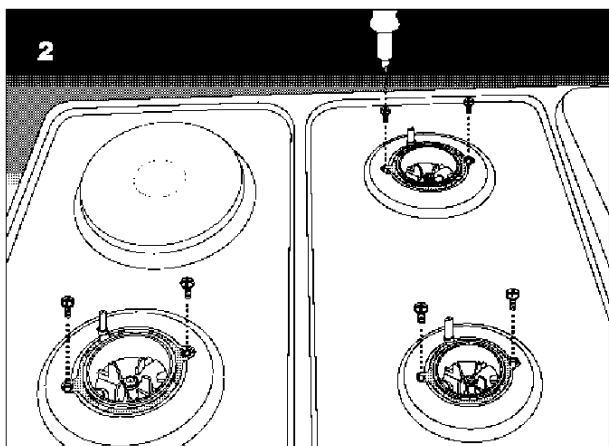
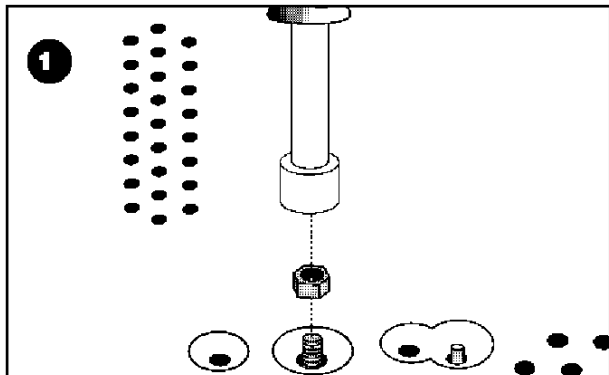
Turn the range upside down as the bottom protection sheet will be upwards prior to carrying out this operation. Then;

1. Unscrew the two screws that fasten terminal block's plastic cover to the bottom protection sheet and take out the cover.
2. Unscrew the two screws that fasten main cable's retainer to the bottom protection sheet.
3. After removing the main cable grounding nut and the two cables that enter to the terminal block, take out the main cable.

Afterwards, replace the main cable with a new one and make all the electrical connections according to the electrical schematic diagram.

BUILT-IN & TABLE TOP COOKERS

Removal of the Burners' Plate (3 Gas + 1 Electrical Models)

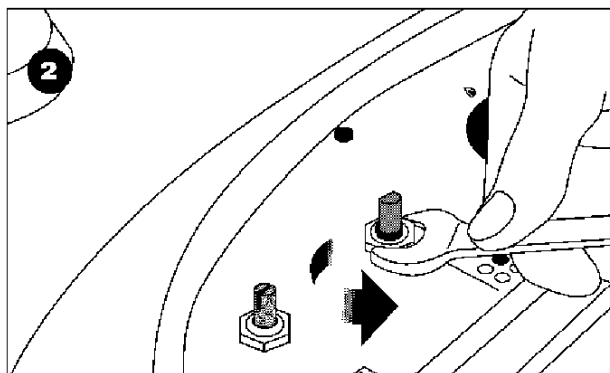
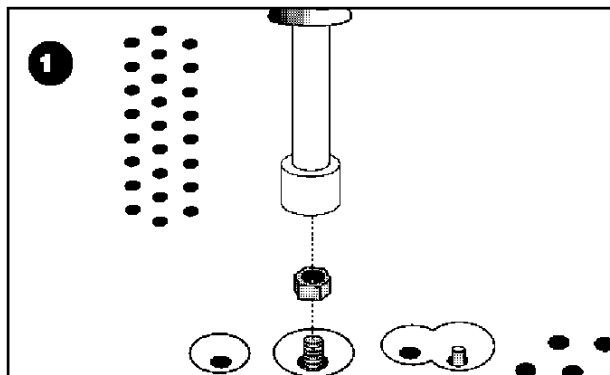


Remove the pan supports, burner caps and heads on the burners' plate prior to carrying out this procedure. Turn the (3+1 encastrable hob) upside down. Then;

1. Remove the nut which connects hotplate to the bottom protection sheet with a suitable bit. Then reverse range again.
2. Unscrew the six screws that fastens burners to the burners' plate. (There are two screws for each burner.)
3. Unscrew the three tap screws from the burners' plate.
4. Remove the commutator nut, which is under the knob, on the control panel of electric hob with a suitable bit.
5. Remove the nut that is on the burners' plate and under the ignition button with a suitable bit.
6. Lift the burners' plate slightly upwards. Disconnect warning lamp cable by pulling it and also hotplate cables by using a screwdriver. Burners' plate will be released.

BUILT-IN & TABLE TOP COOKERS

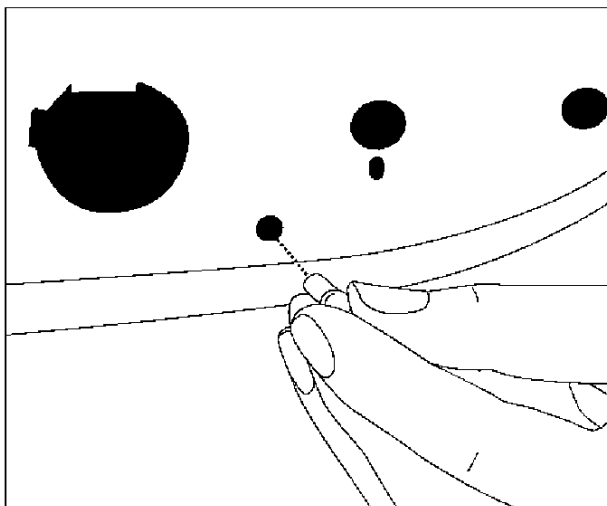
Removal of the Burners' Plate (4 Electrical Models)



Remove the knobs prior to carrying out the procedure.
Turn the (4 encastrable hob) upside down. Then;

- 1.** Remove the nuts which connect hotplates to the bottom protection sheet with a suitable bit. Then reverse cooktop again.
- 2.** Remove the commutator nuts, which is under the knob, on the control panel of electric hob with a suitable bit.
- 3.** Lift the burners' plate slightly upwards. Disconnect warning lamp cable by pulling it and also hotplate cables by using a screwdriver. Burners' plate will be released.

Replacement of the Warning lamp and it's Glass



Remove the burners' plate and also the warning lamp cable for this operation.

Remove the warning lamp socket that is connected to commutator and replace the lamp. Then remove the glass of warning lamp by pushing it from the bottom of burner plate and replace it.

Afterwards, connect the cables of new warning lamp with respect to the electrical schematic diagram.

Replacement of the commutator

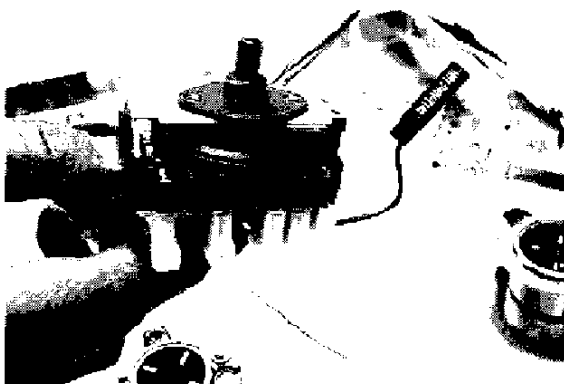
Remove the burners' plate prior to carrying out this procedure.

Then ;

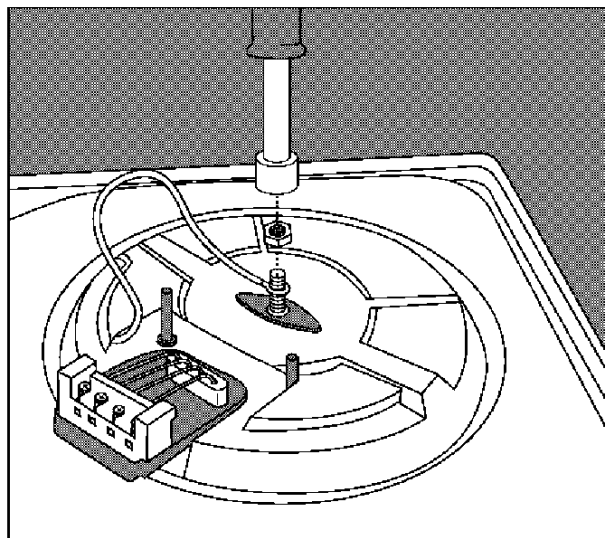
Disconnect the cables of the commutator that is on the bottom protection sheet.

Take out the commutator.

Afterwards connect the new commutator according to the electrical diagram.



Replacement of the hot plate



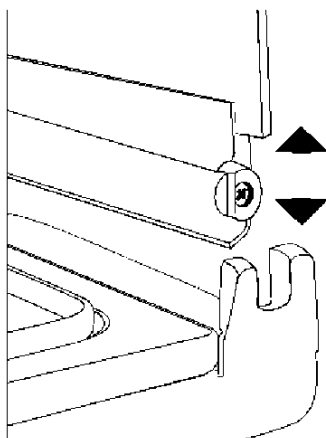
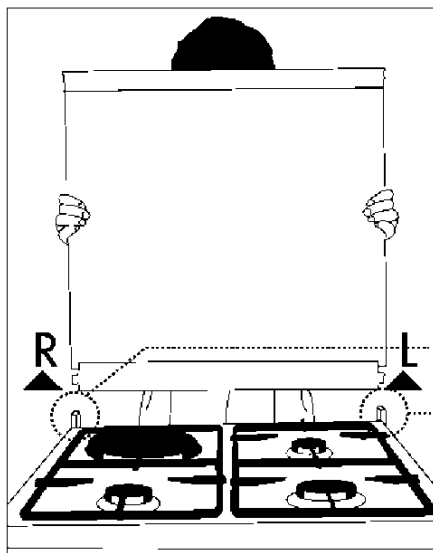
Remove the top burner plate and turn it upside down prior to carrying out this operation. Then, as it is seen in the above picture, remove the nut that connects leaf spring to the hot plate and take it out with the grounding cable from hotplate. Disconnect the cables of hotplate.

Both hotplate and its insulation cover will be released. While replacing the hotplate with the new one, make all electrical connections according to electrical schematic diagram.

TABLE TOP COOKERS

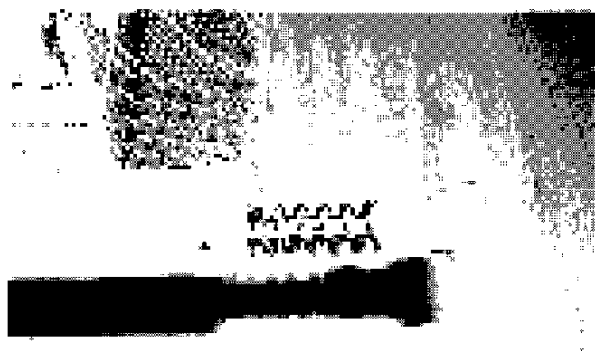
Replacement of the Glass Top Lid and the Hinges of the Lid (For Models with Glass Lid)

Open the glass lid, hold it tightly and raise it upwards. Release the hinges of glass lid off their holes (sockets) and lift the glass lid that remained free upwards.



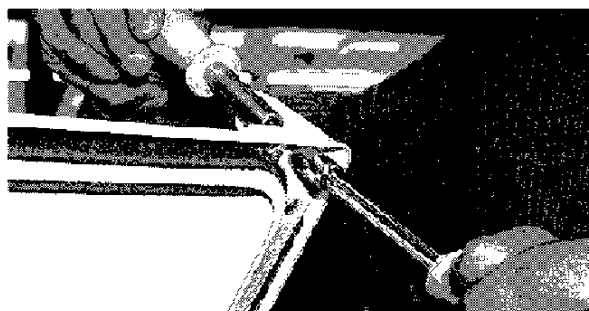
Then, as can be seen on the picture, take out the two hinges on the sides of the lid. Hinges are differentiated as left and right.

So reassemble the new hinges referring to the procedure below and prior to the type of the hinges being left or right.

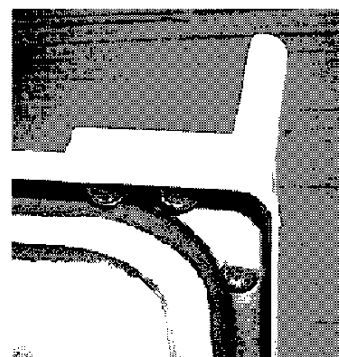


Replacement of the Glass Lid Hinge Housing

Release the glass lid and remove the burner plate. Then,



Unscrew the three screws that fasten the sockets to the burner plate. (The two screws are fastened by nuts and washers on the upside of the burner plate.)



Removal of the Frame of Burner Plate (Table Top Cookers)

Unscrew the screws of the sheet metal parts that fasten the frame and near the pieds of the cooktop.

