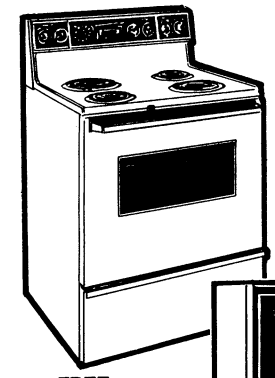
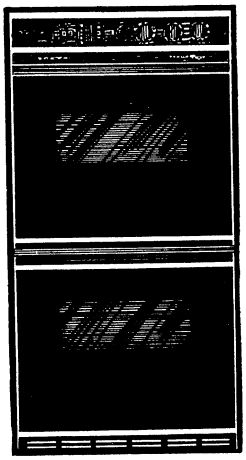
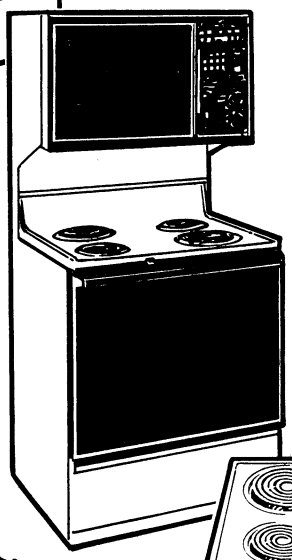
Do-It-Yourself



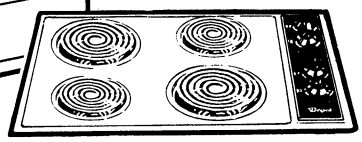
FREE STANDING



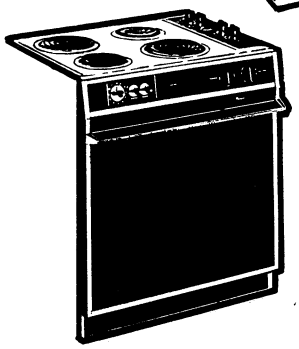
BUILT-IN (SINGLE OR DOUBLE OVEN)



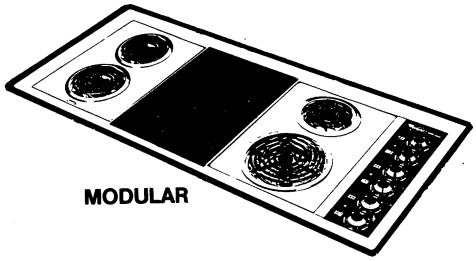
EYE LEVEL (OVEN ON TOP NO MICROWAVE)



COOK TOP



SET-IN



MODULAR

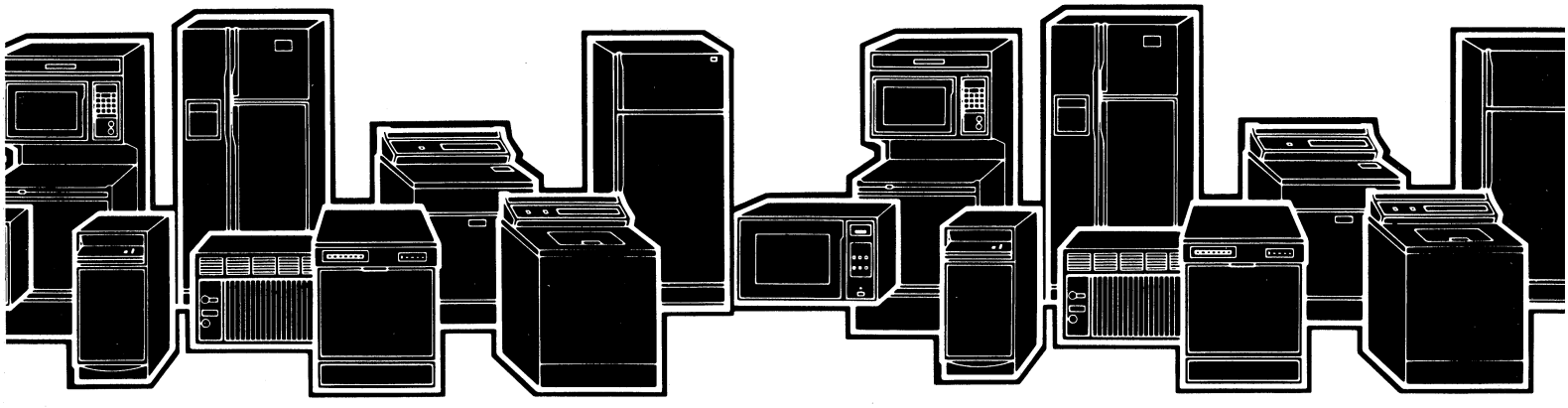
Repair Manual for Your

Whirlpool

ELECTRIC RANGE

Easy-to-Follow Photographs and Step-by-Step Repair Procedures

ezers, Ice Makers, Dishwashers, Built-In Ovens and Surface Units, Ranges, Microwave Ovens, Trash Compactors, Room Air Conditioners, Dehumidifiers, Automatic Washers, Clothes Dryers, Fr



WHIRLPOOL CORPORATION does not assume any responsibility or any liability in connection with the use of this manual.

NOTICE: IF THE FULL WARRANTY PERIOD IS STILL IN EFFECT, ANY SELF REPAIR OF YOUR ELECTRIC RANGE MAY VOID THIS WARRANTY.

REFER ANY WARRANTY SERVICE TO A WHIRLPOOL TECH-CARE® SERVICE COMPANY.

INTRODUCTION

This DO-IT-YOURSELF REPAIR MANUAL should provide you with a basic understanding of the operation of your WHIRLPOOL® electric range. This manual includes step-by-step procedures for testing and/or replacing parts, instructions for reading wiring diagrams, problem solving charts, suggestions for preventive maintenance, and descriptions of product accessories. Although this manual covers most repair procedures for WHIRLPOOL electric ranges built over the past ten years, it does NOT cover any procedures for the electronic solid state controls or microwave ovens.

A WHIRLPOOL electric range is a complicated piece of equipment. The repairs covered in this manual require mechanical skills and the ability to follow written instructions. Understanding the section in this manual entitled "HOW TO READ WIRING DIAGRAMS" (section H) is a must to make many of the repairs.

CAUTION: Anyone who cannot use basic tools, understand how to read wiring diagrams, or follow written instructions should NOT attempt to repair the WHIRLPOOL electric range since improper repair could create a risk of personal injury or property damage. No attempt should be made to repair your WHIRLPOOL electric range if you do not fully understand the procedures included in this manual. When in doubt, contact any authorized TECH-CARE ® Service Company for assistance (section C).

CAUTION: To prevent personal injury, this manual includes numerous safety cautions and warnings. No attempt should be made to repair your WHIRLPOOL electric range without first carefully reading Section A, SAFETY FIRST, and all other safety cautions and warnings printed in this manual and on the WHIRLPOOL electric range. Only the original parts of the WHIRLPOOL electric range are talked about in the step-by-step procedures. It is your responsibility to read the additional instructions packed with any replacement part.

When replacing any part, always use **FSP® (Factory Specification Parts)** replacement parts as specified for your appliance. This FSP trademark is shown on the parts carton and is a registered trademark of WHIRLPOOL CORPORATION identifying quality-tested replacement parts (section C).

The pictures of the WHIRLPOOL electric range used in this manual may or may not look exactly like yours; however, the repair procedures will be the same. In some pictures, parts were removed to show better detail. Unless the repair procedures specifically instruct you to do so, do not remove these parts.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

TABLE OF CONTENTS

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.

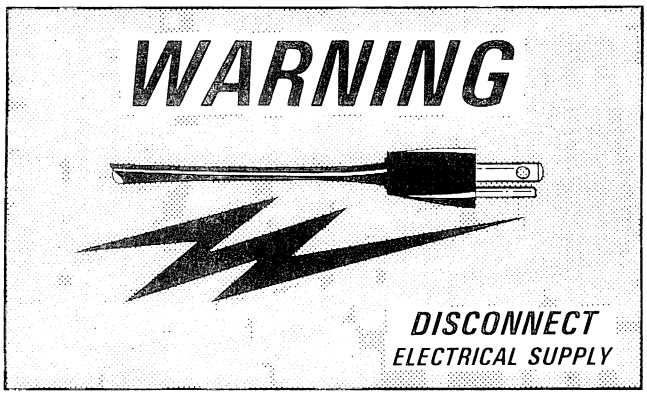
PAGE

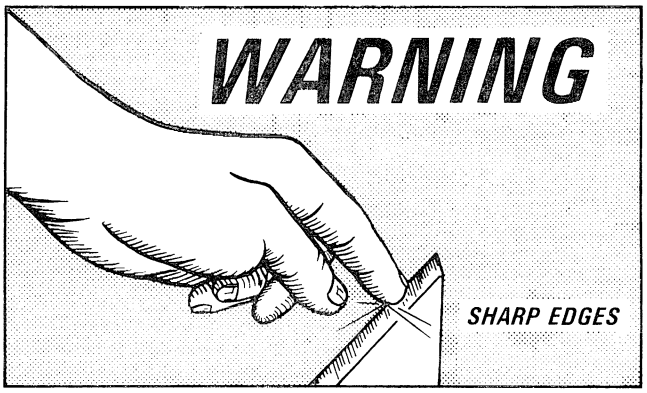
NOTES

SECTION A

Safety First

THIS SECTION MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.





WARNING: ***TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).***

WARNING: ***BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.***

Any repairs on your WHIRLPOOL® electric range, if improperly performed, may result in personal injury or damage. No repairs should be attempted unless the repair procedures and the safety cautions and warnings described below, on the next page, throughout this manual and printed on the appliance, are carefully followed and fully understood.

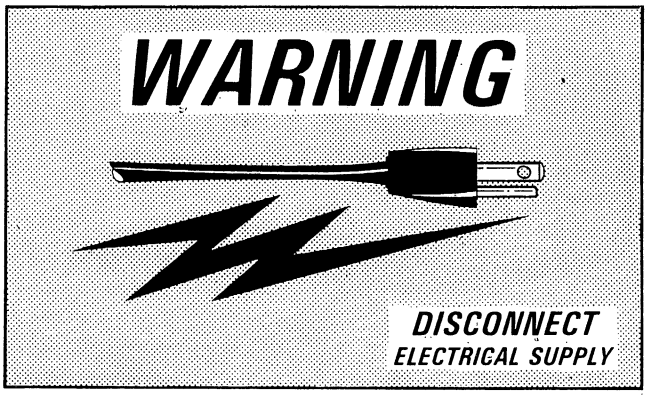
- Be sure to read the *entire procedure* carefully before attempting the step-by-step testing and/or replacements.
- To help avoid electrical shock, no live electrical tests will be made.
- Make sure you know where the plug fuses, circuit breakers or cartridge fuses are located within your home.
- Before doing any repairs or testing of parts, disconnect the appliance from the electrical power supply (section B).

- It is recommended that a separate grounded 30-amp 240VAC time-delay plug fuse, circuit breaker or cartridge fuse be used for this appliance.
- Be careful when doing any repairs or testing as there may be sharp edges.
- Replace any damaged, pinched or frayed "power cord" or "wiring" which may be discovered when disconnecting or reconnecting the appliance.
- DO NOT use an extension cord.
- DO NOT cut off the grounding prong if your wall outlet does not accept the 3-prong power cord.
- This appliance must be grounded. Make sure all green ground wires are properly attached.
- When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem.
- Carefully observe all safety caution and warnings.
- DO NOT attempt to operate your appliance unless it has been properly reinstalled (including electrical power connections and grounding connections) in accordance with the operating and installation instructions supplied for it by WHIRLPOOL CORPORATION. If you are unable to locate these installation instructions, contact your nearest TECH-CARE® Service Company or WHIRLPOOL CORPORATION (section C).
- Remember, after using the surface units DO NOT touch them as they may be hot.
- Keep pan handles turned in so you do not knock them over when you walk by, but do not place the handles over another surface unit.
- DO NOT wear loose or hanging clothes when using the range as they may catch on fire.
- If you receive a shock from touching the appliance at any time during normal operation, *immediately* disconnect (section B) the electrical power supply. Find the electrical short and repair, or contact your nearest TECH-CARE Service Company or WHIRLPOOL CORPORATION (section C).
- Use only genuine **FSP® (Factory Specification Parts)** replacement parts as specified for your model. This FSP trademark is shown on the parts carton and is a registered trademark of WHIRLPOOL CORPORATION that identifies quality-tested replacement parts.
- Read all instructions before using the appliance.
- DO NOT let children or others play, work or operate your appliance while it is being repaired.
- When discarding an old appliance, always remove the door to prevent accidental entrapment.
- Remember, use your appliance only for the job it was designed to do.
- DO NOT store things over the range that children might want.
- DO NOT use a wet pot holder as steam burns can result.
- DO NOT use water on grease fires.
- DO NOT line reflector bowls with foil. Shock or fire harzard can result.
- DO NOT heat any unopened cans as they will explode.
- DO NOT use the range to heat a room.
- Remember to open the oven door all the way when adding or removing food to prevent burns.
- During or following completion of the repair procedure, the appliance should not be operated unless all panels have been put back in place.

SECTION B

Electrical Power Supply Connections

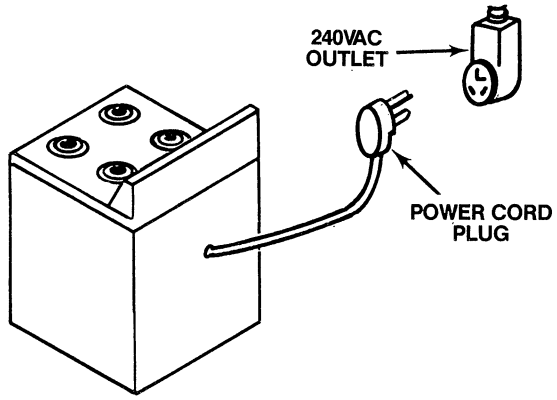
SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.



WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE.*

Electric ranges may be connected to electrical power in one of the following three ways. Determine how your electric range is wired and follow that procedure.

PROCEDURE 1



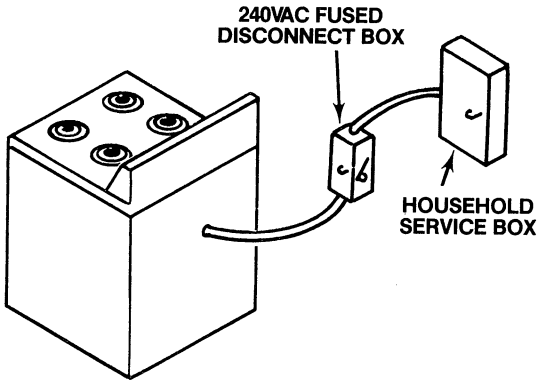
TO DISCONNECT ELECTRIC POWER

STEP 1 Pull the power cord plug from the wall outlet.

TO CONNECT ELECTRIC POWER

STEP 2 Plug the power cord into the wall outlet.

PROCEDURE 2



TO DISCONNECT ELECTRIC POWER

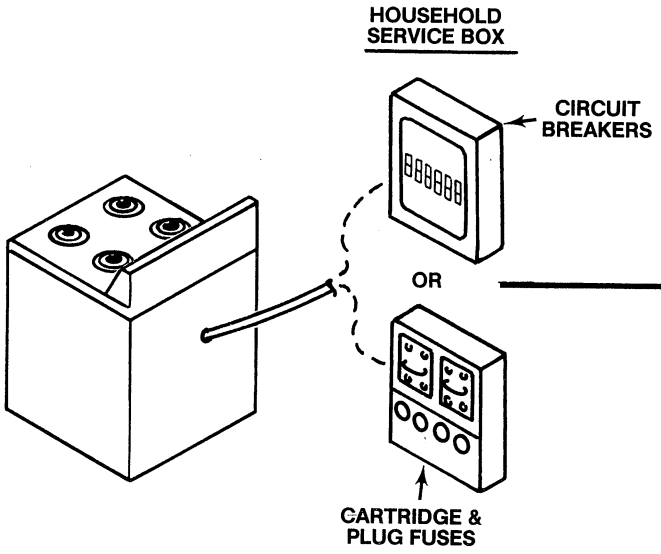
STEP 1 Shut the fused disconnect box off by turning the handle to the OFF position.

TO CONNECT ELECTRIC POWER

STEP 2 Turn the fused disconnect box on by turning the handle to the ON position.

PROCEDURE 3

Household Service Box



TO DISCONNECT ELECTRIC POWER

STEP 1 Move the switch to the OFF position.

TO CONNECT ELECTRIC POWER

STEP 2 Move the switch to the ON position.

TO DISCONNECT ELECTRIC POWER

STEP 1 Pull the range fuse block out of the household service box.

TO CONNECT ELECTRIC POWER

STEP 2 Plug the range fuse block into the household service box.

SECTION C

Replacement Parts Information

When electric range problems occur, refer to the problem-solving charts in *section I.*

We have listed most problems, possible causes and what to do to help you. This manual also tells you how to test the parts and replace them. Be sure to read the ENTIRE PROCEDURE carefully before attempting the step-by-step testing and/or replacements.

A complete index in the back of the manual will help you find page numbers for various parts.

MODEL NUMBER PLATE

Your Model Number Plate can be found on:

1. FREESTANDING, EYE LEVEL, SET-IN
   Open the door and locate the metal plate attached in the upper left corner or upper center on the frame of the door opening.

2. SET-IN (SELF-CLEAN)
   Lift up the left rear surface element and locate the metal plate.

3. COOK TOP
   Lift up the right front surface element and locate the metal plate.

4. BUILT-IN OVEN
   Open the door and locate the metal plate attached in the center on the top or bottom frame of the door opening.

5. MODULAR
   Lift up the far right (next to control knobs) module and locate the metal plate in the right rear corner.

This plate will give you the stock number, complete model number, serial number and other electrical information.

ALWAYS USE YOUR COMPLETE MODEL NUMBER
WHEN ORDERING PARTS

TYPICAL MODEL NUMBER PLATE

WRITE IN YOUR COMPLETE MODEL NUMBER HERE

_ _ _ _ _ _ _ _ _ _

PARTS QUALITY . . .

An important step in the appliance repair procedure is the selection of FSP® (FACTORY SPECIFICATION PARTS) as replacements. Use of "fits-all" or "look-alike" parts could result in early parts failure, safety hazard or substandard performance of your WHIRLPOOL appliance . . . and an unnecessary repeat of your repair efforts.

To be sure that the part(s) you purchase meet the exacting quality standards used to build every new WHIRLPOOL appliance, be sure to ask for genuine FSP replacement parts as specified for you model. FSP (FACTORY SPECIFICATION PARTS) is a registered trademark of WHIRLPOOL CORPORATION that identifies quality-tested replacement parts.

Ask for them by name . . . FSP!

WHERE TO BUY PARTS . . .

. . . You can buy your genuine FSP (FACTORY SPECIFICATION PARTS) replacement parts from authorized WHIRLPOOL Parts Distributors or most authorized TECH-CARE® Service Companies. To find the number of the nearest Parts Distributor or TECH-CARE Service Company, look in the yellow pages of your phone directory under:

Appliances—Household—Major—Service & Repair
WHIRLPOOL APPLIANCES FRANCHISED TECH-CARE SERVICE

OR

Electrical Appliances—Major—Repairing & Parts
WHIRLPOOL APPLIANCES FRANCHISED TECH-CARE SERVICE

OR

Washing Machines, Dryers & Ironers—Servicing
WHIRLPOOL APPLIANCES FRANCHISED TECH-CARE SERVICE

IF YOU NEED HELP FINDING PARTS OR A TECH-CARE® SERVICE COMPANY . . .

. . . Call the toll-free COOL LINE® service assistance telephone number.

Continental U.S.	1 (800) 253-1301
From Michigan	1 (800) 632-2243
From Alaska or Hawaii	1 (800) 253-1121

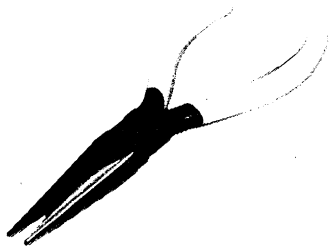
. . . or write to:

WHIRLPOOL CORPORATION
Customer Relations Department
Administrative Center
2000 U.S. 33 North
Benton Harbor, MI 49022

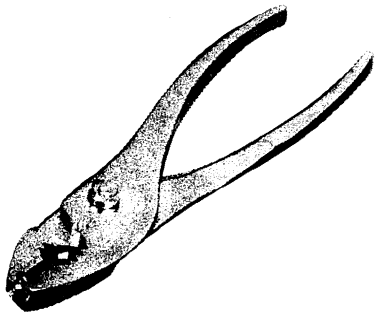
SECTION D

Tools and Testing Equipment

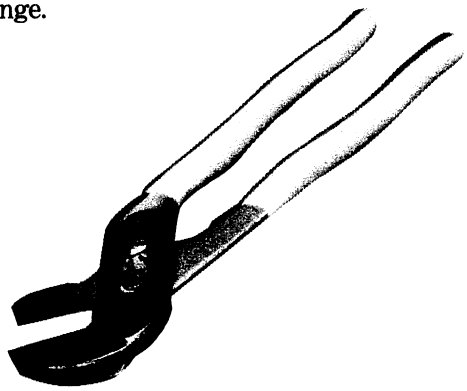
Some of these tools are required for servicing any WHIRLPOOL® electric range.



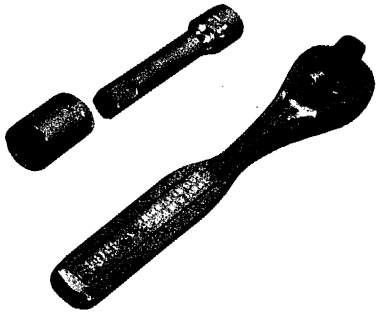
NEEDLE NOSE PLIERS



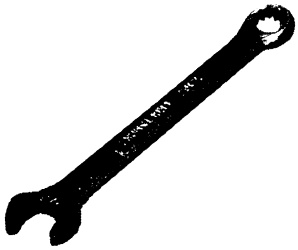
STANDARD PLIERS



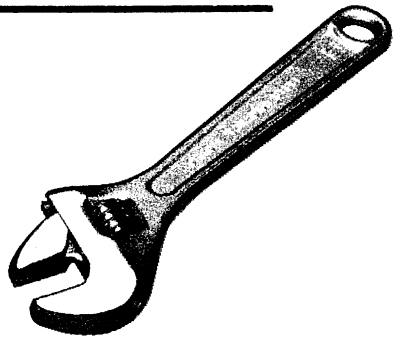
ADJUSTABLE PLIERS



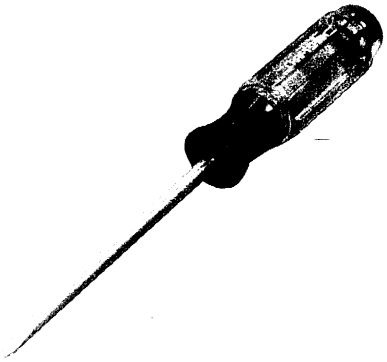
SOCKET WRENCHES



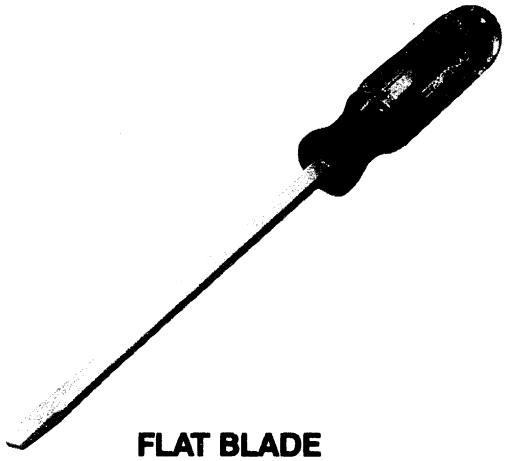
OPEN END WRENCHES



ADJUSTABLE WRENCH



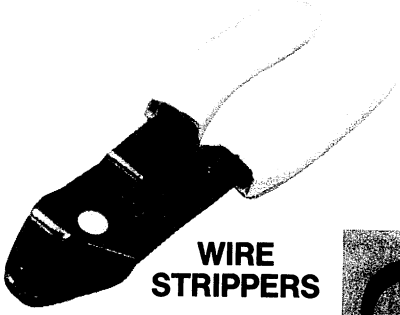
PHILLIPS SCREWDRIVER



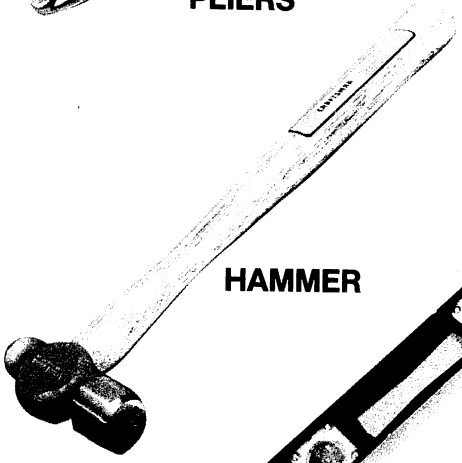
FLAT BLADE SCREWDRIVER

NUTDRIVERS

LOCKING PLIERS

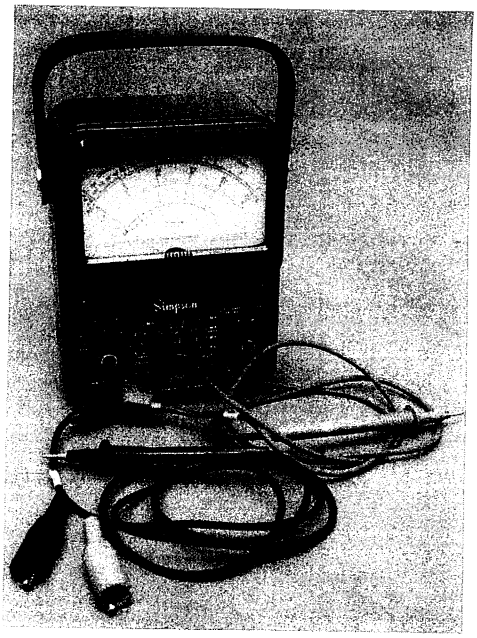


WIRE STRIPPERS



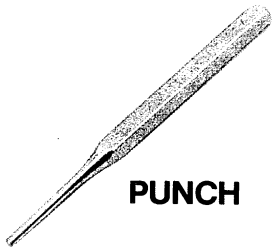
HAMMER

LEVEL

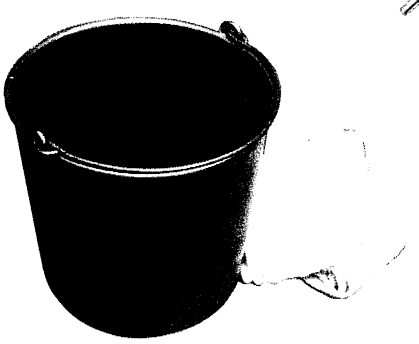


OHMMETER

PUTTY KNIFE



PUNCH



BUCKET AND RAGS

ALLEN WRENCH

An ohmmeter is required for checking electrical parts of the WHIRLPOOL® electric range.

Ohmmeters are usually combined with a voltmeter. This test instrument is called a multimeter, multitester or volt-ohmmeter (VOM).

Volt-ohmmeters measure the amount of resistance or voltage in an electrical circuit.

We will only be using the ohmmeter scale to measure resistance.

The definitions we will be using for testing are:

ZERO RESISTANCE (continuity)—makes contact—needle moves toward zero (right).

OPEN CIRCUIT—no contact—needle does not move.

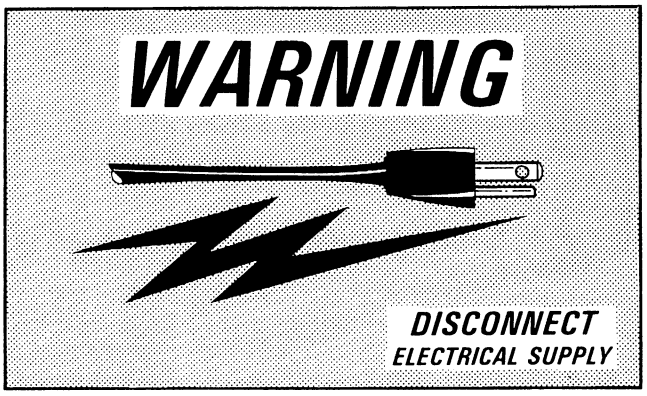
WARNING: TO HELP AVOID ELECTRICAL SHOCK, NO LIVE ELECTRICAL TESTS WILL BE MADE. DO NOT ATTEMPT TO TEST FOR RESISTANCE WITH THE APPLIANCE PLUGGED IN, OTHERWISE YOU MAY DAMAGE YOUR METER, AND INJURE YOURSELF (SECTION B).

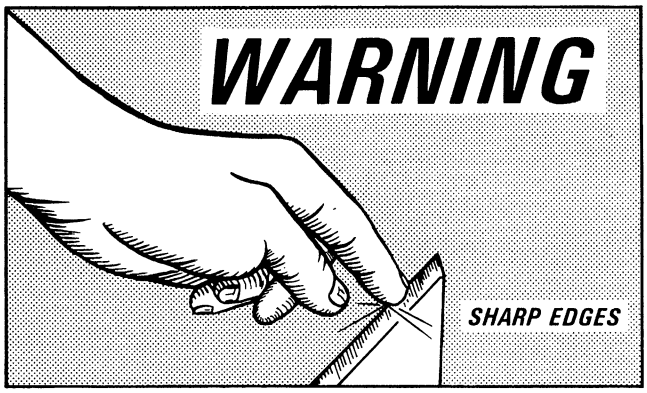
FOLLOW THE INSTRUCTIONS THAT CAME WITH YOUR OHMMETER.

SECTION E

Fuses and Circuit Breakers

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.





WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

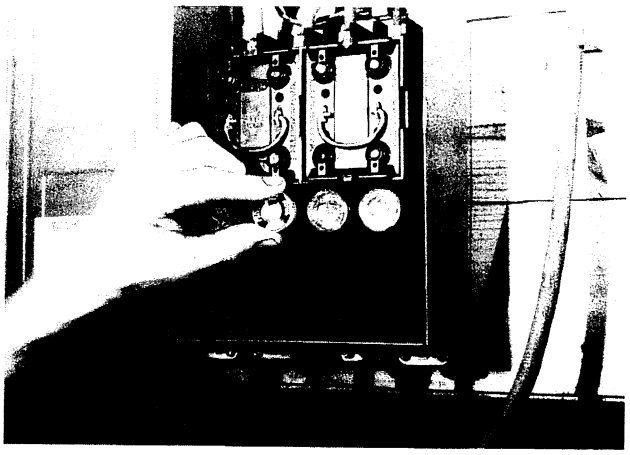
PROCEDURE 1
Fuse

Plug fuses have a round screw base with a glass window. When the plug fuse has blown, the glass window appears burned or smoky. The fuse must be replaced.

Time delay plug fuses may not appear burned or smoky. This type must be checked with an ohmmeter *(see testing steps 3-7).*

Another fuse is the cartridge type fuse *(see testing steps 11-16).*

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).



It is recommended that a separate grounded 240VAC electrical circuit with two 30-amp, time-delayed plug fuses or cartridge fuses be used for the electric range. Neutral is not fused.

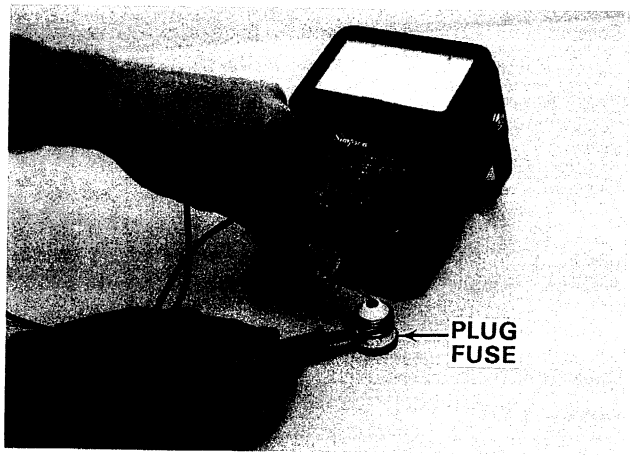
Because we cannot do live electrical tests, you will have to call a qualified electrician to check your wall outlet.

PLUG FUSES

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the two plug fuses from the panel and test or replace them with two new 30-amp, time-delayed plug fuses.

TESTING



STEP 3 You must know how to use an ohmmeter.

STEP 4 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

STEP 5 Touch one ohmmeter probe to the side threads.

STEP 6 Touch the other ohmmeter probe to the tip, on the bottom of the plug fuse.

STEP 7 The ohmmeter should show ZERO resistance (continuity). If not, the plug fuse is bad and needs replacing.

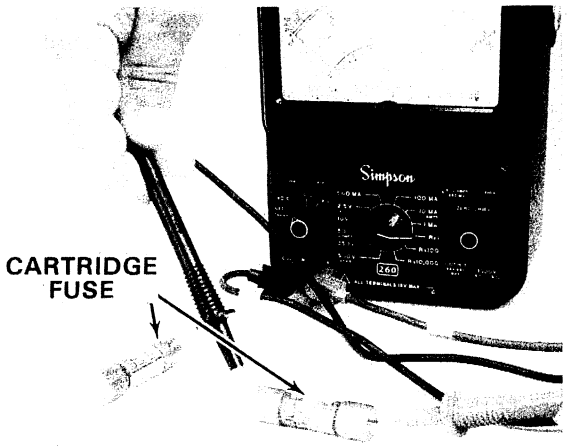
STEP 8 Replace the plug fuses and if they still blow, the circuit is still overloaded or there is a short circuit in your household wiring somewhere. Call a qualified electrician for this repair.

STEP 9 After replacing the plug fuses and the plug fuses do not blow, plug the electric range power cord back in *(section B).* If the plug fuses blow now, the problem is in your electric range. See problems in the Problem Solving Charts, *section I.*

CARTRIDGE FUSES

STEP 10 Remove the two cartridge type fuses from the box (disconnect).

TESTING



STEP 11 You must know how to use an ohmmeter.

STEP 12 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

STEP 13 Place one ohmmeter probe at one end of the cartridge.

STEP 14 Place the other ohmmeter probe at the other end of the cartridge.

STEP 15 The ohmmeter should show ZERO resistance (continuity). If not, the cartridge fuse is bad and needs replacing.

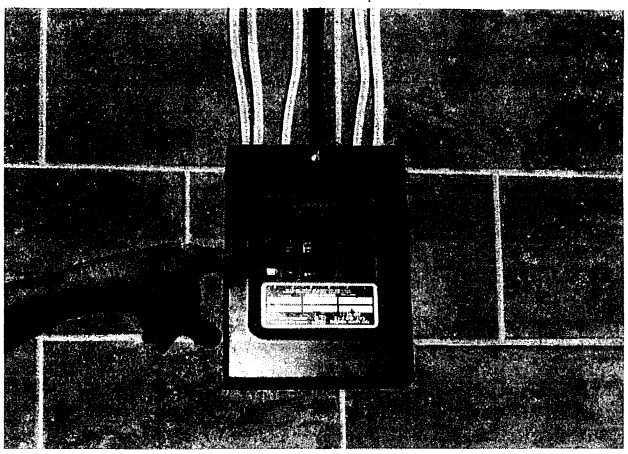
STEP 16 Snap the cartridge fuse in the box (disconnect).

STEP 17 After replacing the cartridge fuse and the cartridge fuse does not blow, plug the electric range power cord back in *(section B)* or turn the handle. If the cartridge fuse blows now, the problem is in your electric range. See problems in the Problem Solving Charts, *section I.*

PROCEDURE 2
Circuit Breaker

A circuit breaker panel is made up of rows of contacts. Circuit breakers can be snapped in place on this panel.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).



It is recommended that a separate grounded 240VAC electrical circuit with two 30-amp circuit breakers be used for the electric range. Neutral is not fused.

Because we cannot do live electrical tests, you will have to call a qualified electrician to check your outlet.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 When this type of breaker trips, the switch moves to a position between ON and OFF. To turn the electrical power back on, move the switch to the OFF position then back to ON.

STEP 3 If the circuit breaker still trips, the circuit is still overloaded or short circuited within your household wiring or the circuit breaker is weak. Call a qualified electrician for this repair.

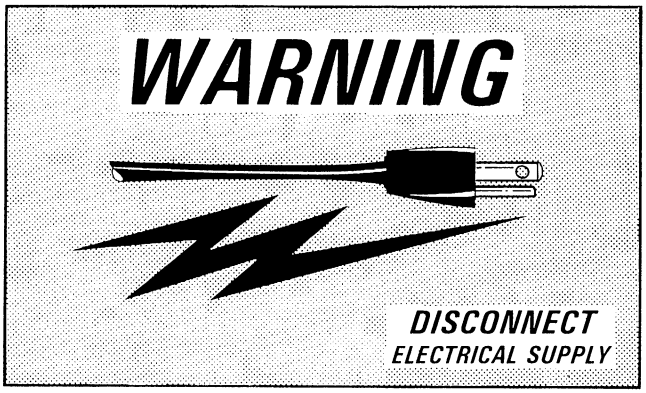
STEP 4 After resetting the circuit breaker and the breaker does not trip, plug the electric range power cord back in *(section B)* or turn the handle. If the circuit breaker trips now, the problem is in your electric range. See problems in the Problem Solving Charts, *section I.*

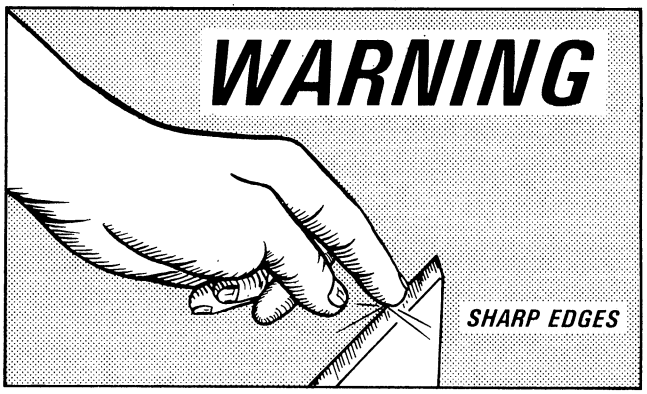
NOTES

SECTION F

Touch-Up Repairs and Preventive Maintenance

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.





WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

PROCEDURE 1
Touch-Up Repairs

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

Your WHIRLPOOL® electric range can look like new for many years by following these cleaning instructions.

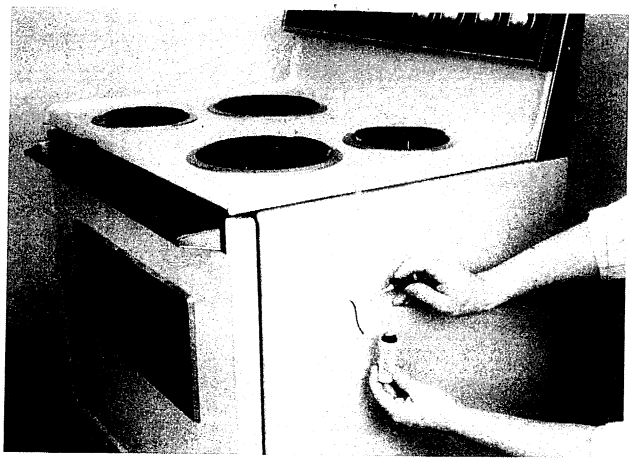
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 To remove dirt and soiled spots, wash them with a mild liquid soap, warm water and a soft cloth.

STEP 3 Scratches do occur, and when they do there are touch-up paints available in 1/2-oz bottles or 15-oz spray cans.

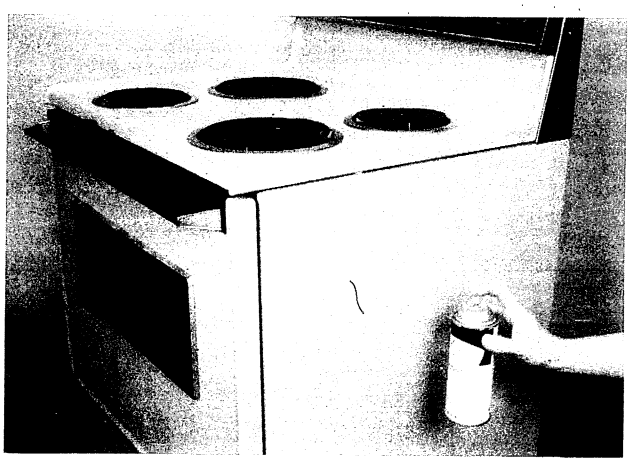
WARNING: PAINT IS HIGHLY FLAMMABLE. FOR TOUCHING UP SPOTS ALWAYS PAINT IN A WELL-VENTILATED ROOM. CAREFULLY READ THE INSTRUCTIONS ON THE BOTTLE OR CAN.

STEP 4 To repair scratches, remove any wax or dirt, using a mild soap, warm water and a soft cloth. Rinse with clean water.



STEP 5 On small scratches the 1/2-oz touch-up bottle is recommended.

STEP 6 On larger jobs the scratched area must be sanded with extra-fine sandpaper until smooth.



STEP 7 Using a spray can, spray very lightly over the area, letting each coat dry. Use several coats to avoid any running.

STEP 8 After spray painting the area, cover the area painted with leveler. This will bring back the shine in your appliance.

STEP 9 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 2

Your WHIRLPOOL® electric range is designed and built to rigid specifications which require a minimum of service. Preventive maintenance will even further reduce the amount of service required.

Cleaning Chart

PART	WHAT TO CLEAN	HOW TO CLEAN
Exterior surfaces	Soft cloth and warm soapy water. Nylon or plastic scouring pad for stubborn spots.	• Wipe off regularly when cooktop and lower oven are cool. • **Do not allow food containing acids (such as vinegar, tomato, lemon juice or milk) to remain on surface. Acids will remove the glossy finish.** • **Do not use abrasive or harsh cleansers.**
Surface units	No cleaning required.	• Spatters or spills will burn off. • **Do not immerse in water.**
Porcelain-enamel reflector bowls	Automatic dishwasher or warm, soapy water; Self-cleaning Oven cycle.	• Wipe out excess spills. • Wash with other cooking utensils. • Place upside down on oven racks in oven during the Self-Cleaning Oven cycle.
Chrome trim rings	Automatic dishwasher or warm, soapy water and plastic scrubbing pad.	• Wash with other cooking utensils. • **Do not place in Self-Cleaning Oven.**
Broiler pan and grid	Warm, soapy water or steel wool pad.	• Wash with other cooking utensils. • **Do not place in Self-Cleaning Oven.**
Control knobs	Warm, soapy water and bristle brush.	• Wash, rinse and dry well. • **Do not soak.**
Control panel	Warm, soapy water or spray glass cleaner.	• Wash, rinse and dry well. • Follow directions provided with cleaner.
Oven racks	Self-Cleaning Oven cycle; Warm, soapy water or soapy steel wool pads.	• Leave in oven during Self-Cleaning cycle. • Wash, rinse and dry. Use soapy steel wool pads for stubborn areas. **NOTE: The oven racks will discolor and be harder to slide when left in the self-cleaning cycle. If you want them to stay shiny, remove them from the oven and clean by hand.**
Oven door glass	Spray glass cleaner; Warm, soapy water or plastic scrubbing pad.	• **Make sure oven is cool.** • Follow directions provided with cleaner. • Wash rinse and dry well with a soft cloth.
Self-Cleaning Oven	For areas outside Self-Cleaning area use warm, soapy water or soapy steel wool pads.	• **Do not use commercial oven cleaners.** • **Do not use foil to line the bottom of your Self-Cleaning Oven.**

NOTES

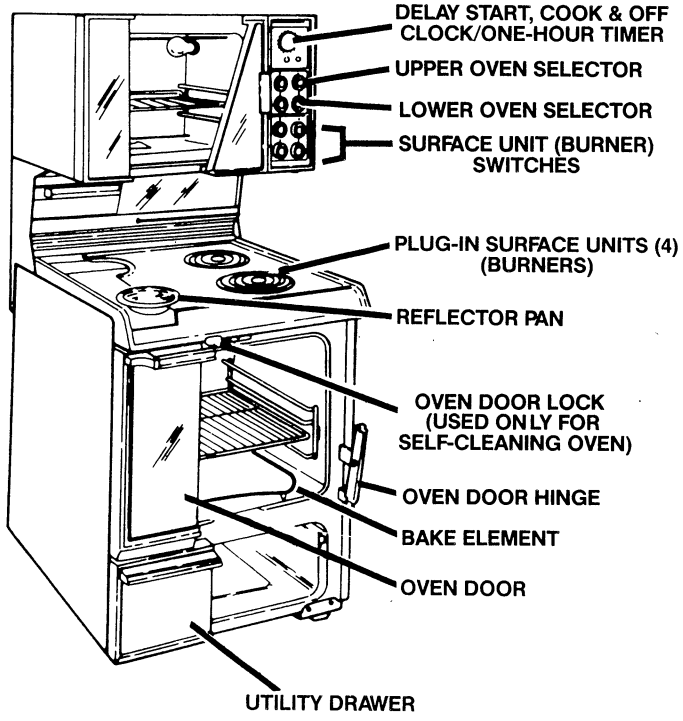
SECTION G

How Your Electric Range Works

Many people like yourself cook foods, setting pans on the burners or placing something into the oven to bake. But how many people know what is happening inside the electric range? Let's look at how your electric range works.

Surface units are very simple to operate. After placing a pan on the burner, you then turn the knob to the desired setting. Electricity comes from the wall outlet, heating that burner you turned on.

In the oven the knob is set to the desired temperature. Electricity comes from the wall outlet, heating the bake and broil elements. There is an adjustable thermostat which, after the inside of the oven reaches the desired temperature, shuts the elements off. As the temperature lowers (cools) inside the oven, the thermostat turns the elements back on.



NOTES

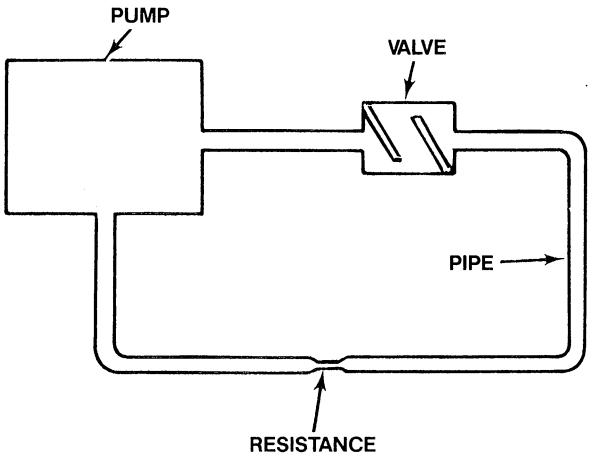
SECTION H

How to Read Wiring Diagrams, Wiring Diagram Symbols, Terminal Codes

Knowing and understanding your wiring diagram takes a special skill. Before attempting any ohmmeter checks, you must know how and where electricity flows and how the operating controls operate.

Before we explain how to read this wiring diagram, think of electricity as water moving through pipes in your home.

Starting with a water pump (WALL OUTLET), water (ELECTRICITY) is forced through pipes (WIRES) into valves, switches, etc., some causing a resistance or pressure (VOLTAGE), then back through the pump (WALL OUTLET) to complete the flow of water (ELECTRICITY).



To properly diagnose a problem, the electrical circuitry or the wiring diagram attached to the appliance must be thoroughly understood. Let's first study each part of the wiring diagram.

Locate the wiring diagram for your appliance.

On page 25 is a typical example of a wiring diagram. This diagram varies from model to model, but a basic knowledge of one diagram will enable you to understand any WHIRLPOOL appliance wiring diagram.

Since the source of power is the key element of range operation, the wiring diagram begins at this point. Located at the top of each 120/240VAC electric range wiring diagram are the symbols for the power source and neutral connection. These are marked L1, L2 and N. L stands for Line and N stands for Neutral. The wiring diagram for 120VAC electric range shows only an L1 and N connection plus a cabinet ground or only L2 and N connection plus a cabinet ground.

The symbols L1, L2 and N represent the terminal block of the range. Power is supplied through a fuse or circuit breaker box to the terminal block. The terminal block feeds both the 120 and 240VAC circuits in the range. Voltage between L1 and L2 should be about 240VAC and 120VAC between L1 and N or L2 and N.

The 120/240VAC range also has a cabinet ground system. The ground wire is connected to the neutral position of the terminal block and the cabinet frame. Where local codes permit, this ground method need not be changed. However, to insure a failsafe ground if there is a failure in the neutral line, some local codes require a cabinet ground wire from the range cabinet to a *grounded* cold water pipe. The installation instructions have complete grounding instructions.

Letters tell you what color the wires are.

The black dots are where the wires are spliced together.

The circle is a terminal which the wire hooks onto.

The wiring diagram is divided into two major electrical systems. The top system is always the 120VAC system containing switches, lights, clock and thermostats. The second electrical system is shown on the bottom. This is the 240VAC containing heat elements (surface, bake or broil).

Since studying and learning information has no value until it is applied, let's follow a step-by-step procedure to diagnose a machine malfunction.

Let's say, for an example, the electric range does not heat in the lower oven. A rule is to always check the easy and obvious first.

Is there power to the appliance? Be sure the appliance's power cord is plugged into a live wall outlet.

Let's assume in our example that, having completed all the normal examinations, the electric range still does not heat in the lower oven. Find the wiring diagram for your electric range.

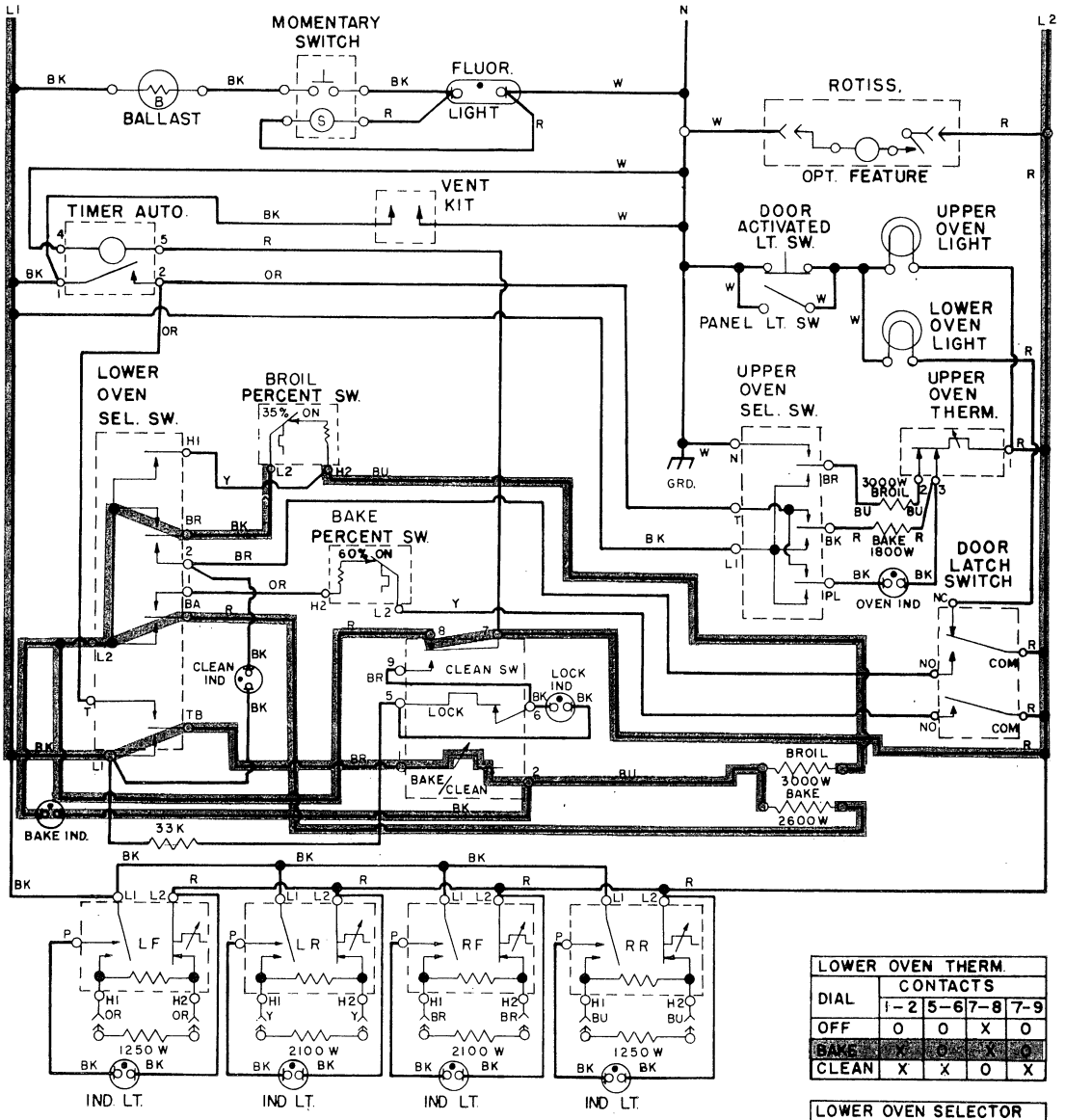
By using this information, you can determine which circuits and components are affected in an appliance's electrical system at any given time. The wiring diagram is easy to follow when a step-by-step checking sequence is used.

Select "BAKE" from the lower oven selector. This closes switch contacts or terminal codes L1 to TB, L2 to BA and closes contact BR.

Now turn the lower oven thermostat to about 350°. This closes switch contacts 1 to 2 and 7 to 8.

As you can see on the wiring diagram, a circuit is made from the L1 side of the line, through the lower oven selector, thermostat, the bake heater, back through the broil percentage switch, the broil heater, bake indicator light, thermostat and then to the L2 side of the line (240VAC) completing a circuit.

Things to be checked are: Lower oven selector switch, thermostat, bake element, broil percentage switch and the broil element.



LOWER OVEN THERM.				
DIAL	CONTACTS			
	1-2	5-6	7-8	7-9
OFF	O	O	X	O
BAKE	X	O	X	O
CLEAN	X	X	O	X

LOWER OVEN SELECTOR	
POSITION	CONNECTION
OFF	NO CONN
BAKE	L1-TB, L2-BA, BR
CLEAN	T-TB, 2-BR, 1-BA
TIMED	T-TB, L2-BA, BR
BROIL	L1-TB, L2-HI

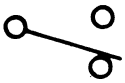
WIRING DIAGRAM SYMBOLS

MANUAL AND MECHANICAL SWITCHES

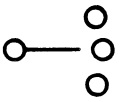
Normally Closed (SPST)
(Single-Pole, Single-Throw)

Normally Open

Transfer (SPDT)
(Single-Pole, Double-Throw)



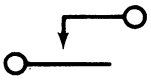
Multi-Position



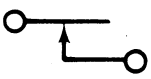
Number of Terminals

AUTOMATIC SWITCH

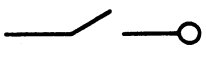
N.O.
(Normal Open)



N.C.
(Normal Closed)

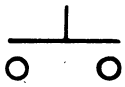


Integral Switch
(Timer, Clock, Etc.)

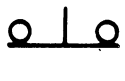


PUSHBUTTON SWITCH (Momentary or Spring Return)

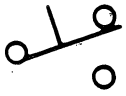
N.O. (Circuit Closing)
(Normal Open)



N.C. (Circuit Opening)
(Normal Closed)

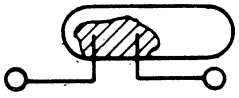


SPDT
(Single-Pole, Double-Throw)

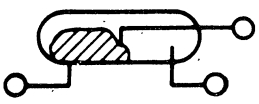


MERCURY SWITCH

SPST
(Single-Pole, Single-Throw)

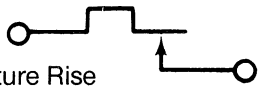


SPDT
(Single-Pole, Double-Throw)

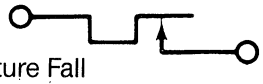


THERMOSTAT

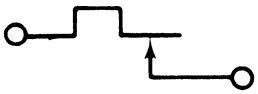
Operates on Temperature Rise



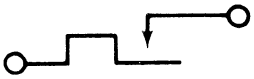
Operates on Temperature Fall



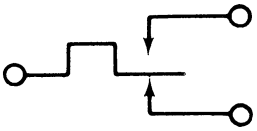
N.C.
(Normal Closed)



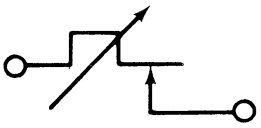
N.O.
(Normal Open)



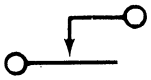
Double-Throw



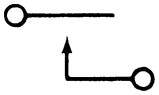
Adjustable



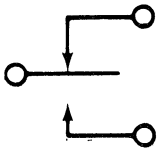
RELAY



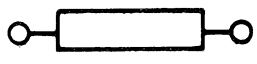
Coil-Operated



Heat-Operated



Double-Pole



WIRING DIAGRAM SYMBOLS

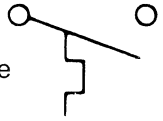
LIMIT SWITCH

N.O. (Normal Open)

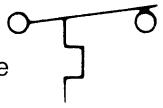
N.C. (Normal Closed)

TEMPERATURE ACTUATED

Closes on Temperature Rise

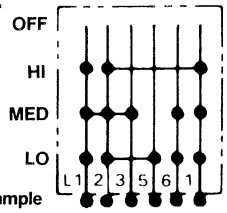


Opens on Temperature Rise



MASTER OR CONTROL SWITCH

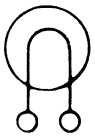
(Number of Positions and Internal Contact Operation as Required)



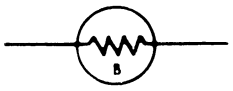
Typical Example

LAMPS

Incandescent



Ballast



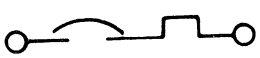
Fluorescent

Neon

CIRCUIT PROTECTORS

Circuit Breaker

Circuit Breaker W/Thermal O.L.

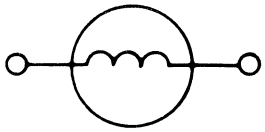


Fuse

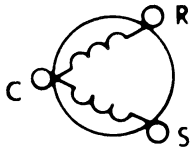
MOTORS

Timer or Clock

Single-Speed

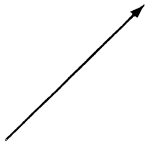


Compressor



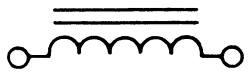
MISCELLANEOUS

Adjustable Component (Arrow Drawn thru Component at Approx. 45°)



Operating Coil (Solenoid Relay)

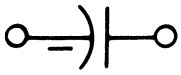
Ballast



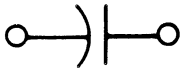
Starter

Resistor or Heater

Capacitor

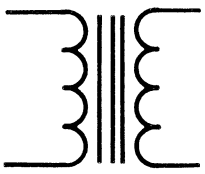


Capacitor (Non-Polarized)



Heater

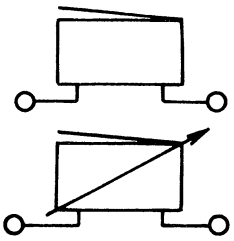
Transformer



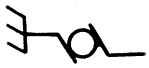
WIRING DIAGRAM SYMBOLS

BUZZERS

Adjustable



THERMOCOUPLE



SENSOR (Moisture)

CENTRIFUGAL SWITCH

LINES AND CONNECTIONS

Internal Conductor

External or Harness Wire

Optional or Alternate Circuit

Crossover

Junction

Permanent Connection

Terminal

Shield

Ground (Earth)

Ground (Chassis)

Grounded Service Cord (3-Prong Plug)

Service Cord (2-Prong)

Mechanical Connection

Plug Connector

TERMINAL CODES

Terminal Color Code	Harness Wire Color
BK	Black
BK-Y	Black with Yellow Tracer
BR	Brown
BR-R	Brown with Red Tracer
BU-BK or BL-BK	Blue with Black Tracer
BU or BL	Blue
BU-G or BU-GN	Blue with Green Tracer
BU-O or BU-OR	Blue with Orange Tracer
BU-Y	Blue with Yellow Tracer
G or GN	Green
G-Y or GN-Y	Green with Yellow Tracer
G-BK	Green with Black Tracer
GY	Gray
GY-P or GY-PK	Gray with Pink Tracer
LBU	Light Blue
O or OR	Orange
O-BK or OR-BK	Orange with Black Tracer
P or PUR	Purple
P-BK or PUR-BK	Purple with Black Tracer
P or PK	Pink
R	Red
R-BK	Red with Black Tracer
R-W	Red with White Tracer
T or TN	Tan
V	Violet
W	White
W-BK	White with Black Tracer
W-BL or W-BU	White with Blue Tracer
W-R	White with Red Tracer
Y	Yellow
Y-BK	Yellow with Black Tracer
Y-G or Y-GN	Yellow with Green Tracer
Y-R	Yellow with Red Tracer

NOTES

SECTION I

Problem Solving Charts

SEE PAGES 21 AND 175-194 FOR LOCATION OF PARTS.
READ SECTION G—"HOW YOUR ELECTRIC RANGE WORKS" FIRST. THIS IS TO HELP YOU UNDERSTAND AND POSSIBLY DIAGNOSE THE PROBLEM. THEN REFER TO THE FOLLOWING PROBLEM SOLVING CHARTS.

PROBLEM	*POSSIBLE CAUSE*	*REPAIR PROCEDURE*
1. Oven light fails to operate.	1a. Switch.	1a. Check switch. See sec. J, proc. 5, p. 46 or sec. L, proc. 5, p. 86.
	1b. Bulb burned out.	1b. Replace bulb.
	1c. 15 AMP Fuse.	1c. Check fuse. See Sec. E, proc. 1, p. 14 or proc. 2, p. 15.
2. Surface element overheats.	2a. Infinite switch.	2a. Check infinite switch. See sec. J, proc. 8, p. 56 or sec. N, proc. 8, p. 146 or sec. O, proc. 6, p. 160.
3. Surface element or griddle doesn't heat.	3a. No electric power.	3a. Check electrical power. See sec. B or sec. E, proc. 1, p. 14 or proc. 2, p. 15.
	3b. Infinite switch.	3b. Check infinite switch. See sec. J, proc. 8, p. 56 or sec. N, proc. 8, p. 146 or sec. O, proc. 6, p. 160.
	3c. Element.	3c. Check element. See sec. K, proc. 1, p. 62 or sec. N, proc. 1, p. 136 or sec. O, proc. 1, p. 154.
	3d. Loose terminal.	3d. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	3e. Wire in wiring harness.	3e. Check for broken wire. See sec. O, proc. 9, p. 164.
4. Oven will not bake with selector switch set on "BAKE."	4a. Indicator light.	4a. If indicator light lights, the bake element is bad. Check the bake element. See sec. L, proc. 1, p. 80.
	4b. Oven thermostat.	4b. Check oven thermostat. See sec. J, proc. 6, p. 49.
	4c. Selector switch.	4c. Check selector switch. See sec. J, proc. 7, p. 52.
	4d. Bake percentage switch (relay).	4d. Check bake percentage switch (relay). See sec. L, proc. 16, p. 101.
	4e. Loose terminal.	4e. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	4f. Wire in wiring harness.	4f. Check for broken wire. See sec. O, proc. 9, p. 164.

PROBLEM	*POSSIBLE CAUSE*	*REPAIR PROCEDURE*
5. Oven will not bake with selector switch set on "TIMED BAKE."	5a. Clock-Timer.	5a. Check Clock-Timer. See sec. J, proc. 9, p. 58.
	5b. Selector switch. There's a possibility of a bad selector switch if the oven comes on when the selector switch is set on "BAKE."	5b. Check selector switch. See sec. J, proc. 7, p. 52.
	5c. Loose terminal.	5c. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	5d. Wire in wiring harness.	5d. Check for broken wire. See sec. O, proc. 9, p. 164.
6. Oven does not broil.	6a. Indicator light.	6a. If indicator light lights, the broil element is bad. Check broil element. See sec. L, proc. 2, p. 81.
	6b. Oven thermostat.	6b. Check oven thermostat. See sec. J, proc. 6, p. 49.
	6c. Selector switch.	6c. Check selector switch. See sec. J, proc. 7, p. 52.
	6d. Broil percentage switch (relay).	6d. Check broil percentage switch (relay). See sec. L, proc. 15, p. 99.
	6e. Loose terminal.	6e. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	6f. Wire in wiring harness.	6f. Check for broken wire. See sec. O, proc. 9, p. 164.
7. Oven door will not open.	7a. No electric power.	7a. Check electrical power. See sec. B or sec. E, proc. 1, p. 14 or proc. 2, p. 15.
	7b. Micro switch.	7b. Check micro switch. See sec. K, proc. 9, p. 73 or sec. L, proc. 11, p. 94.
	7c. Door latch lever.	7c. Check door latch lever. See sec. K, proc. 8, p. 72 or sec. L, proc. 10, p. 93.
	7d. Door switch.	7d. Check door switch. See sec. K, proc. 9, p. 73 or sec. L, proc. 11, p. 94.
	7e. Selector switch.	7e. Check selector switch. See sec. J, proc. 7, p. 52.
	7f. Loose terminal.	7f. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	7g. Wire in wiring harness.	7g. Check for broken wire. See sec. O, proc. 9, p. 164.
	7h. Cool-down period has not finished in the cleaning cycle.	7h. Wait until lock light goes out.

PROBLEM	*POSSIBLE CAUSE*	*REPAIR PROCEDURE*
8. Door locks but indicator lights do not light.	8a. Indicator lights.	8a. Check indicator lights. See sec. J, proc. 4, p. 144 or sec. N, proc. 9, p. 148 or sec. O, proc. 7, p. 162.
	8b. Selector switch.	8b. Check selector switch. See sec. J, proc. 7, p. 52.
9. Will not begin to clean.	9a. No electric power.	9a. Check electrical power. See sec. B or sec. E, proc. 1, p. 14 or proc. 2, p. 15.
	9b. Control knobs not set correctly.	9b. Read your Use and Care Guide.
10. Oven door will not latch.	10a. No electric power.	10a. Check electrical power. See sec. B or sec. E, proc. 1, p. 14 or proc. 2, p. 15.
	10b. Micro switch.	10b. Check micro switch. See sec. K, proc. 9, p. 73 or sec. L, proc. 11, p. 94.
	10c. Door latch lever.	10c. Check door latch lever. See sec. K, proc. 8, p. 72 or sec. L, proc. 10, p. 93.
	10d. Door switch.	10d. Check door switch. See sec. K, proc. 9, p. 73 or sec. L, proc. 11, p. 94.
	10e. Selector switch.	10e. Check selector switch. See sec. J, proc. 7, p. 52.
	10f. Loose terminal.	10f. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	10g. Wire in wiring harness.	10g. Check for broken wire. See sec. O, proc. 9, p. 164.
11. Oven overheats.	11a. Thermostat.	11a. Check thermostat. See sec. J, proc. 6, p. 49.
	11b. Percentage switch (relay).	11b. Check percentage switch (relay). See sec. L, proc. 15, p. 99.
	11c. Selector switch.	11c. Check selector switch. See sec. J, proc. 7, p. 52.
	11d. Thermostat bulb not in oven.	11d. Check for location of thermostat bulb. See sec. J, proc. 6, p. 49.
12. Oven will not clean.	12a. Selector switch.	12a. Check selector switch. See sec. J, proc. 7, p. 52.

PROBLEM	*POSSIBLE CAUSE*	*REPAIR PROCEDURE*
13. Oven cleans, but at temperature too low for acceptable cleaning.	13a. Indicator light.	13a. If indicator light lights, the bake element is bad. Check the bake element. See sec. L, proc. 1, p. 80.
	13b. Thermostat.	13b. Check thermostat. See sec. J, proc. 6, p. 49.
	13c. Selector switch.	13c. Check selector switch. See sec. J, proc. 7, p. 52.
	13d. Bake percentage switch (relay).	13d. Check bake percentage switch (relay). See sec. L, proc. 16, p. 101.
	13e. Solenoid switch.	13e. Check solenoid switch.
	13f. Broil element.	13f. Check broil element. See sec. L, proc. 2, p. 81.
	13g. Mullion element.	13g. Check mullion element.
	13h. Smoke eliminator element.	13h. Check smoke eliminator element.
	13i. Loose terminal.	13i. Check terminal connections on above parts. See sec. O, proc. 9, p. 164.
	13j. Wire in wiring harness.	13j Check for broken wire. See sec. O, proc. 9, p. 164.
14. Oven will not delay in "TIMED BAKE."	14a. Clock.	14a. Check clock. See sec. J, proc. 9, p. 58.
15. Oven will not go into "SERVE" temperature.	15a. Clock.	15a. Check clock. See sec. J, proc. 9, p. 58.
	15b. Oven thermostat.	15b. Check oven thermostat. See sec. J, proc. 6, p. 49.
16. Door locks at proper temperature but indicator light does not light.	16a. Indicator light.	16a. Check indicator light. See sec. J, proc. 4, p. 44 or sec. N, proc. 9, p. 148 or sec. O, proc. 7, p. 162.
17. Clean indicator light comes on but door does not lock at proper temperature.	17a. Latch mechanism.	17a. Adjust and/or align the latch.
18. Convenience outlet doesn't work.	18a. Fuse.	18a. Check fuse. See sec. E, proc. 1, p. 14 or proc. 2, p. 15.
	18b. Clock timer not "set."	18b. Set clock for automatic operation.
	18c. Clock timer switch.	18c. Check clock timer. See sec. J, proc. 9, p. 58.
	18d. Wire in wiring harness.	18d. Check for broken wire. See sec. O, proc. 9, p. 164.

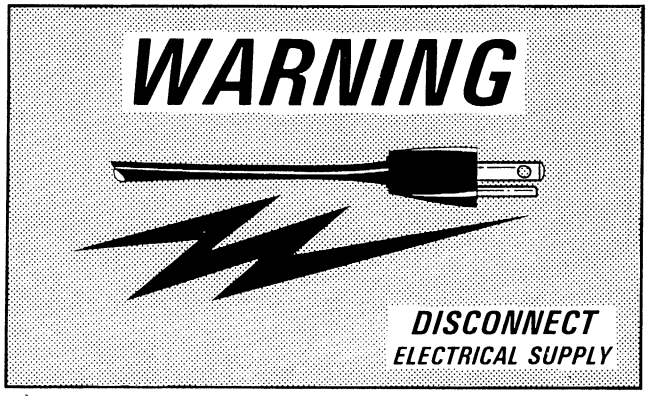
PROBLEM	*POSSIBLE CAUSE*	*REPAIR PROCEDURE*
19. Fluorescent light flickers, lights on ends only or doesn't light at all.	19a. Bulb.	19a. Check bulb. See sec. L, proc. 19, p. 105.
	19b. Ballast.	19b. Check ballast.
	19c. Switch.	19c. Check switch. See sec. J, proc. 5, p. 46 or sec. L, proc. 5, p. 86.
20. Warped surface element.	20a. Cookware bottom not flat.	
21. Discolored element bowls.	21a. Too large a pan or the pan is not flat.	
22. Premature burnout of bake element.	22a. Oven door left open to heat the home.	22a. Use for baking only. Check bake element. See sec. L, proc. 1, p. 80.
23. Scorched burner box bottom.	23a. Surface units used to heat the home.	
	23b. Cookware not flat.	
24. Surface element causing boiling.	24a. Switch should be turned lower.	24a. Read your Use and Care Guide.
25. Door glass breakage.	25a. Broiling with door closed.	25a. Use broil stop on door.
	25b. Rack covered with foil.	25b. DO NOT cover racks with foil.
	25c. Glass installed backwards.	25c. Install tempered glass toward the heat.
26. Oven door hard to open or close.	26a. Worn or broken broil stop rollers.	26a. Replace rollers. See sec. L, proc. 8, p. 90 or sec. L, proc. 21, p. 108.
27. Door sagging on one side.	27a. Hinge channel loose or out of position on oven liner.	27a. Adjust or replace hinges. See sec. L, proc. 8, p. 90 or sec. L, proc. 21, p. 108.

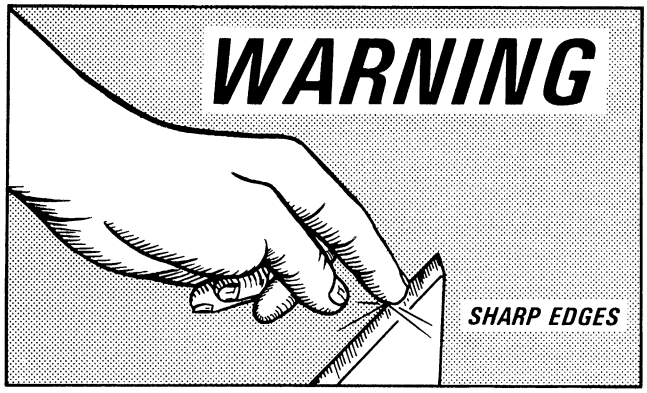
NOTES

SECTION J

Control Panel Area

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.





WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

NOTE: Because of the many ways the control areas were put together, we will only tell you about three (3) types. These control areas are all held together with screws. If you do not have one of these three, make sure you pay attention on how you take it apart so you can put it back together the same way *(see procedure 1).*

PROCEDURE PAGE

PROCEDURE 1
How to Get at the Different Control Parts

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

We will tell about three types of control areas.

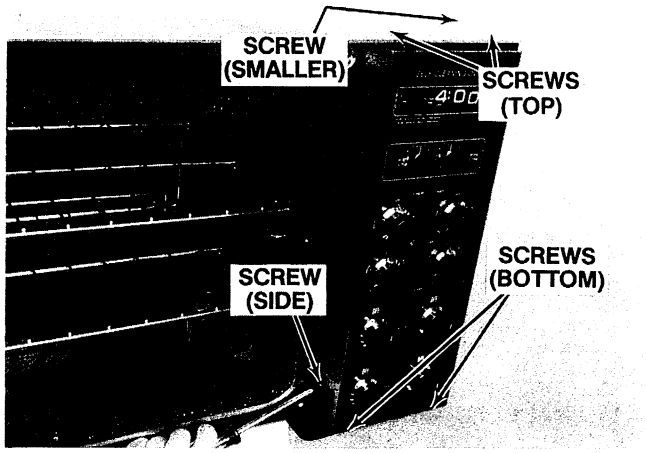
See Type A for the EYE LEVEL, Type B for the BUILT-IN or Type C for some of the FREE-STANDING models.

TYPE A

See page 189 for location of parts.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Open the upper oven door.



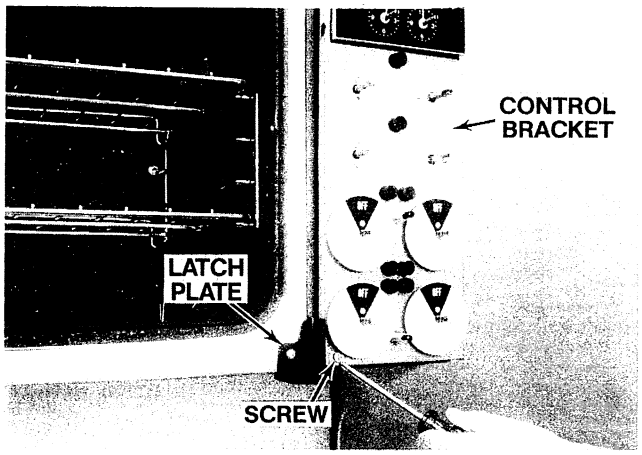
STEP 3 Using a screwdriver, remove two top, two bottom and one side screw holding the control frame to the upper oven frame.

NOTE: You may have to loosen the smaller screw behind the top screws.

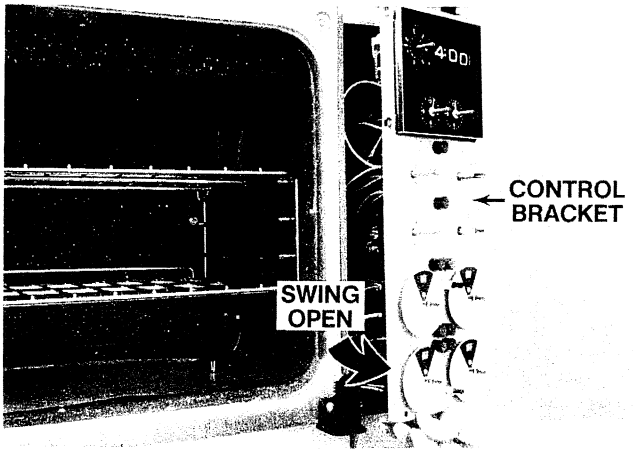
STEP 4 Remove the control knobs *(section J, proc. 2, step 1).*

STEP 5 Using your fingers, unscrew the oven light bezels on the front of the control panel.

STEP 6 Carefully remove the control frame and glass.



STEP 7 Using a screwdriver, remove the screw in the lower left corner.



STEP 8 Swing the control bracket open so you can see all the parts.

STEP 9 You may want to remove the upper rear (back) panel.

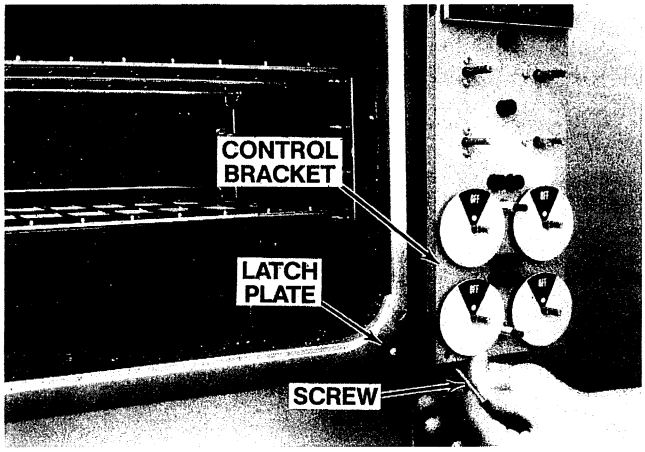
REPLACEMENT

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

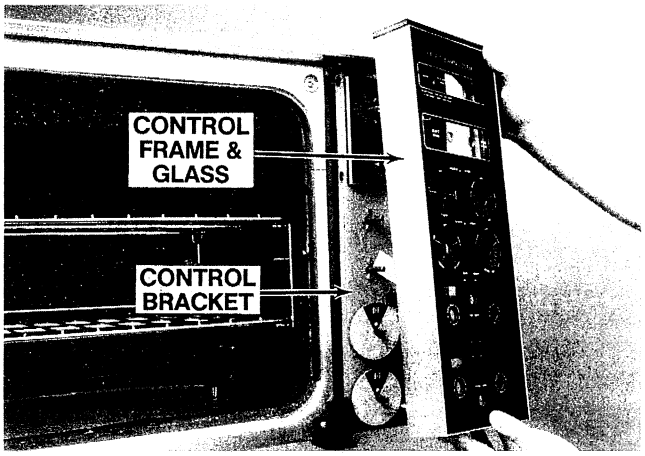
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 10 Replace the upper rear (back) panel if this was removed.

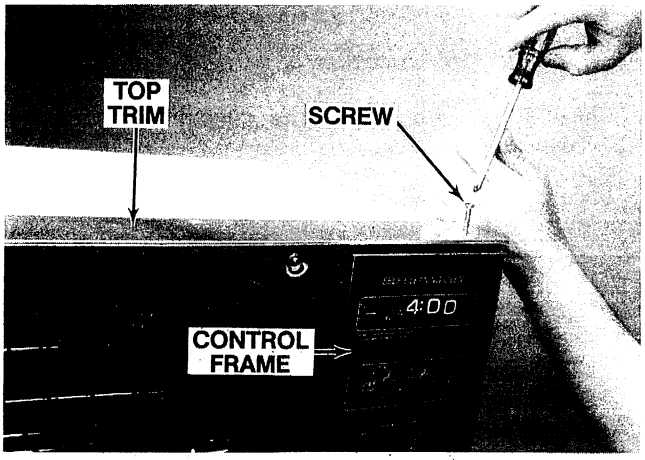
STEP 11 Swing the control bracket closed.



STEP 12 Using a screwdriver, insert the bottom left screw through the control bracket, into the frame, and tighten.

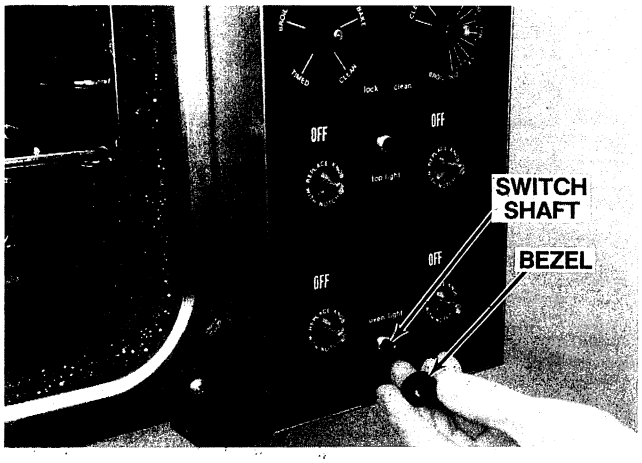


STEP 13 Carefully place the control frame and glass on the control bracket.



STEP 14 Using a screwdriver, insert the two top, two bottom and one side screw through the control frame, into the frame, and tighten.

NOTE: Tighten the smaller screw if you have loosened it.



STEP 15 Using your fingers, place the bezel on the shaft of the switch and screw on to tighten.

STEP 16 Replace the control knobs *(section J, proc. 2, step 2).*

STEP 17 Close the upper oven door.

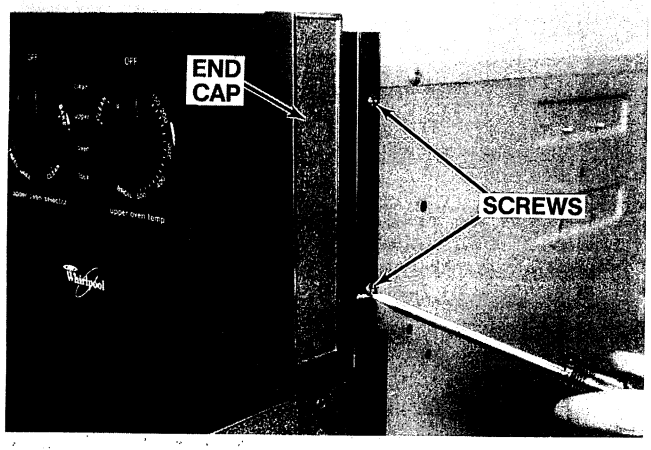
STEP 18 Reconnect the electrical power supply. See section B for the proper reconnection.

TYPE B

See page 190 for location of parts.

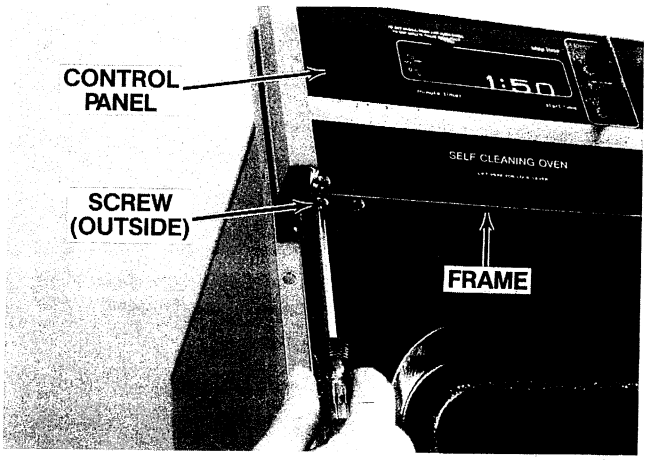
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may have to move the unit out of the cabinet a little.



STEP 3 Using a screwdriver, remove the screws on each side holding each end cap to the frame.

STEP 4 Open the oven door all the way.

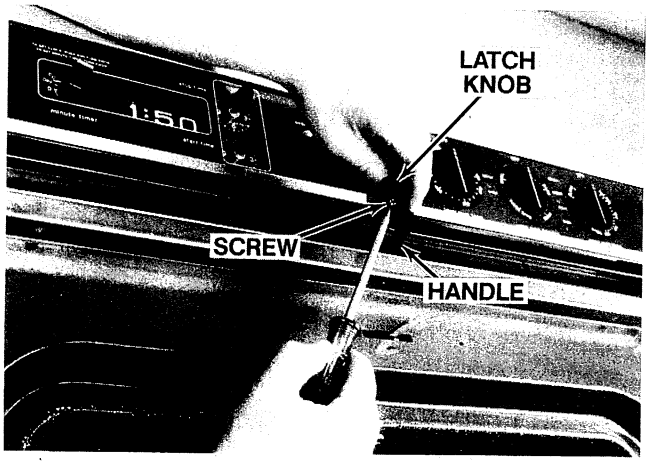


STEP 5 Using a screwdriver, remove the outside screw holding the bottom of the control panel to the frame.

STEP 6 Do the same thing to the other side.

STEP 7 Lift the vent door.

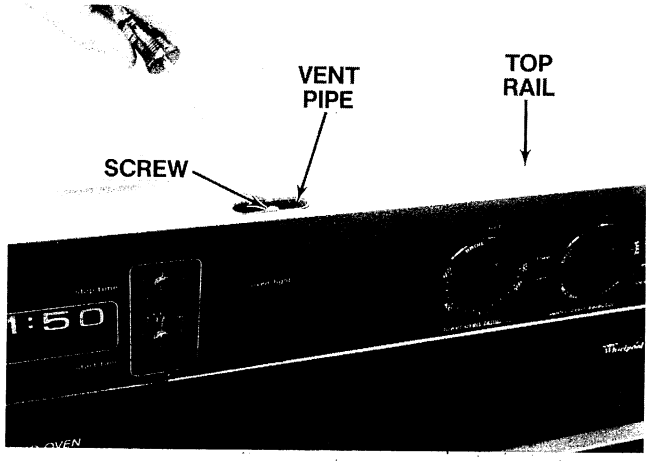
STEP 8 Slide the latch handle to the right until you can see the screw on the bottom of the knob.



STEP 9 Using a screwdriver, remove the screw holding the latch knob to the handle.

STEP 10 Carefully remove the knob off the handle.

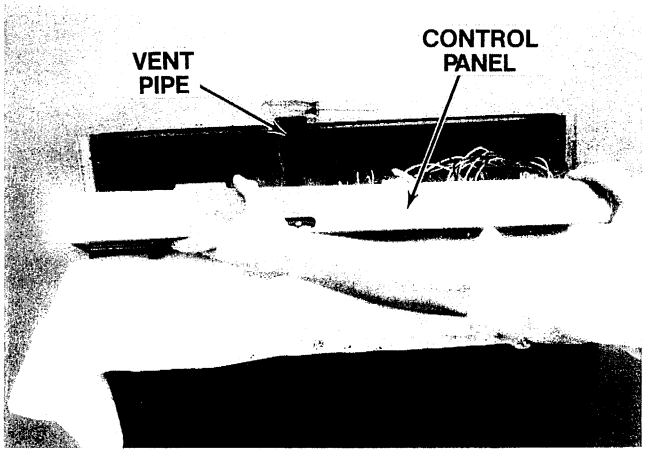
STEP 11 Slide the latch handle back to the left.



STEP 12 Using a screwdriver, loosen the screw on the top rail holding the vent pipe.

STEP 13 Close the oven door to the broiler stop.

STEP 14 Place a towel on top of the oven door edge and handle. This way you will not scratch the finish on the control panel.

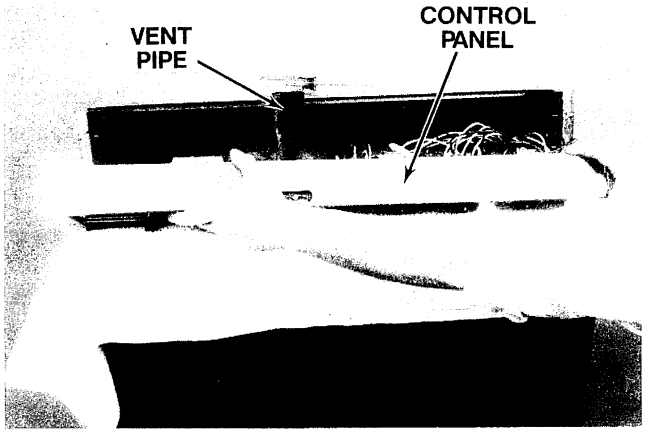


STEP 15 Roll the control panel forward and lay it on the towel.

REPLACEMENT

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

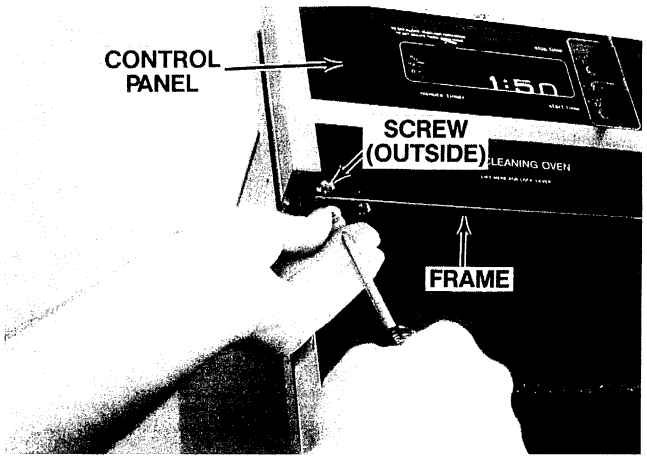


STEP 16 Roll the control panel back, placing the latch handle in the slot in the control panel.

STEP 17 Remove the towel.

STEP 18 Place the slot in the vent pipe, in the screw on the top rail (do not tighten yet).

STEP 19 Open the oven door all the way.



STEP 20 Using a screwdriver, insert the screws through the bottom of the frame, into the control panel, and tighten.

STEP 21 Lift the vent door.

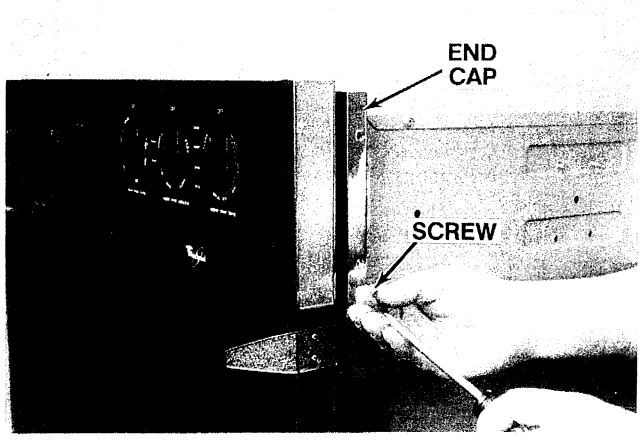
STEP 22 Slide the latch handle to the right.

STEP 23 Slide the knob on the latch handle.

STEP 24 Using a screwdriver, insert the screw through the knob, into the handle, and tighten.

STEP 25 Slide the latch handle back to the left.

STEP 26 Close the oven door.



STEP 27 Using a screwdriver, insert the screws through each end cap (both sides), into the frame, and tighten.

STEP 28 Tighten the screw holding the vent pipe to the top rail (step 18).

STEP 29 Push the unit back into the cabinet if it was pulled out.

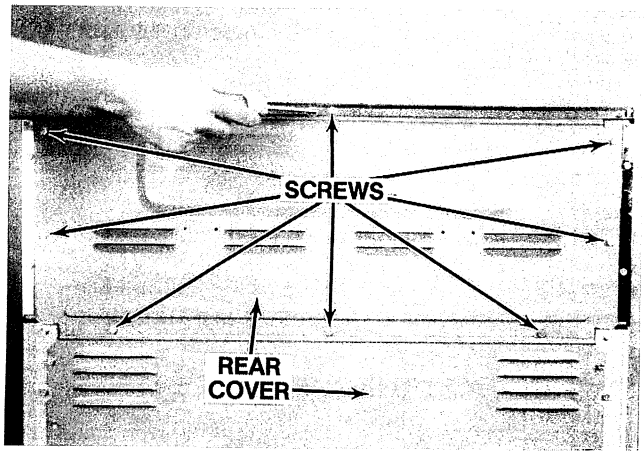
STEP 30 Reconnect the electrical power supply. See section B for the proper reconnection.

TYPE C

See page 191 for location of parts.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Pull the range away from the wall so you can work on the back of it.

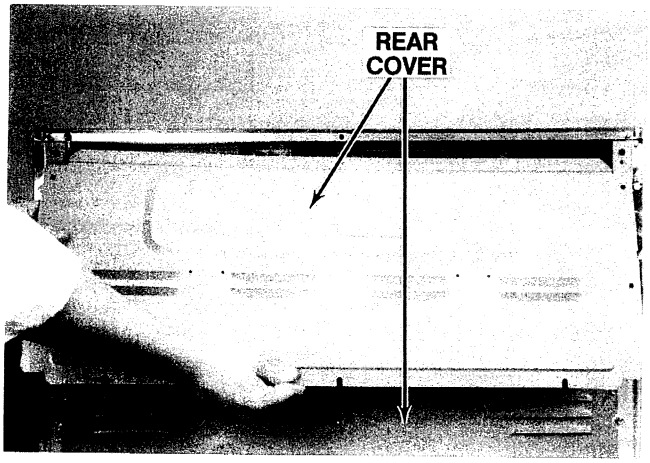


STEP 3 Using a screwdriver, remove the screws holding the rear (back) cover to the console panel.

REPLACEMENT

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

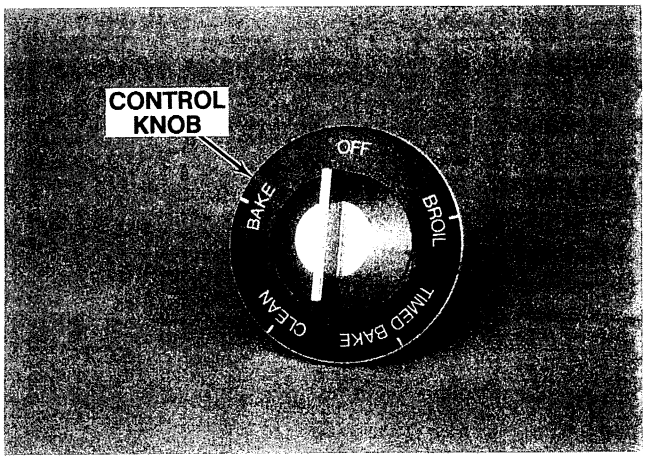


STEP 4 Place the rear (back) panel on the back of the range.

STEP 5 Using a nutdriver, insert the screws through the rear (back) cover, into the console panel, and tighten.

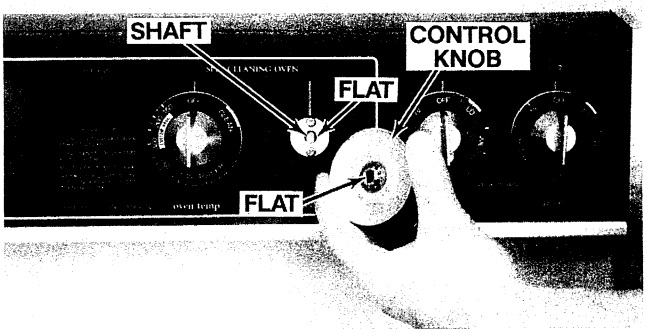
STEP 6 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 2
Control Knob Replacement



See page 189, illus. no.'s 17, 18, 24, page 190, illus. no.'s 24, 26, page 191, illus. no.'s 15, 17, 19 for location of part.

This part is used to turn the different controls ON or OFF.



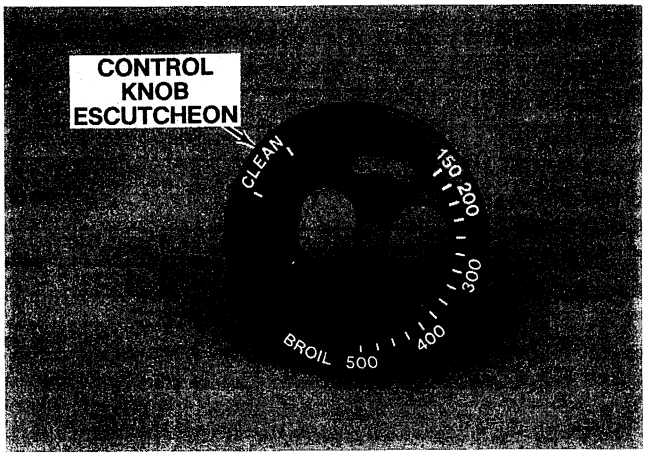
STEP 1 To replace this type of knob, pull straight off.

Notice the flats or grooves on the shaft of the switch and the flats or grooves in the back of the control knob.

REPLACEMENT

STEP 2 Line up the flats or grooves on the knob with the flats or grooves on the switch shaft, then push on.

PROCEDURE 3
Control Knob Escutcheon Replacement

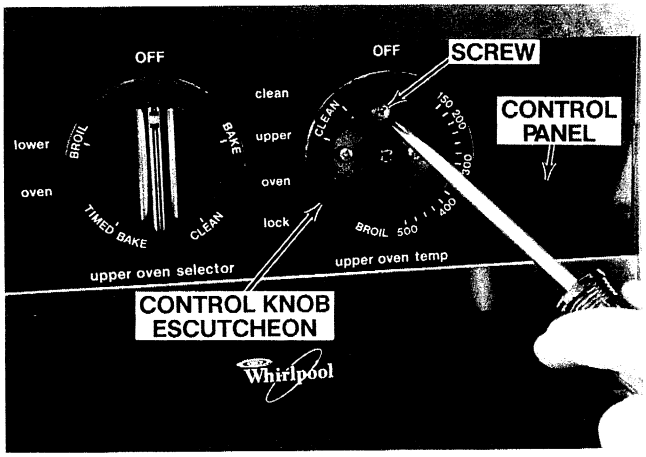


See page 190, illus. no.'s 21, 22, 23 for location of part.

This part is located behind the control knob.

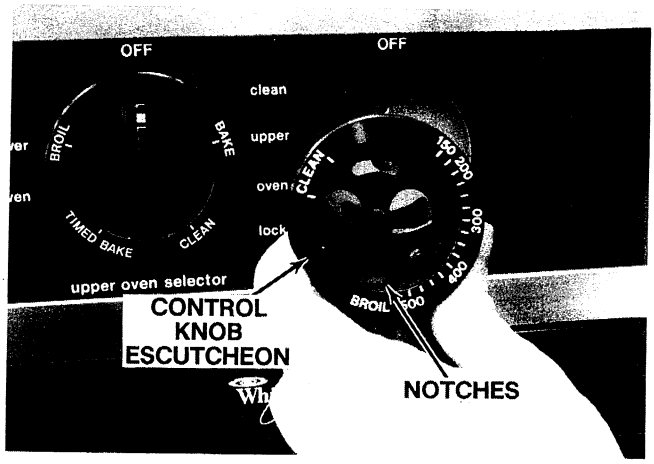
STEP 1 Remove the control knob *(section J, proc. 2, step 1).*

CAUTION: There are notches on the bottom of this escutcheon. Remember which notch the control indicator is in so you can put it back in the same notch.



STEP 2 Using a screwdriver, remove the top screw holding the escutcheon to the control panel.

REPLACEMENT

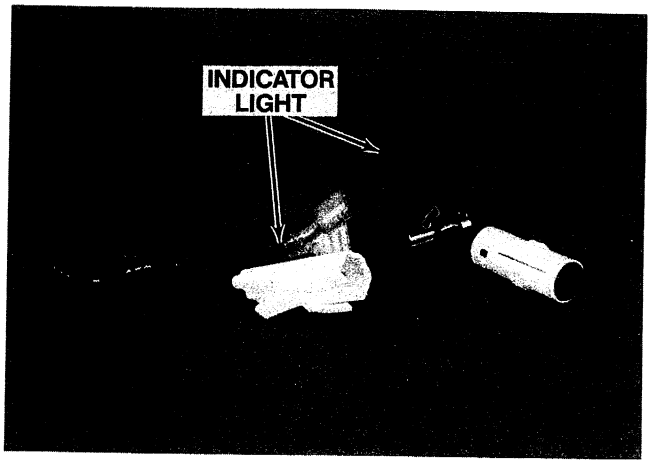


STEP 3 Place the escutcheon in the control panel, with the notch at the bottom, in the control indicator.

STEP 4 Using a screwdriver, insert the top screw through the escutcheon, into the control panel, and tighten.

STEP 5 Replace the control knob *(section J, proc. 2, step 2).*

PROCEDURE 4
Indicator Light Testing and/or Replacement



See page 189, illus. no. 7, page 190, illus. no. 13, page 191, illus. no.'s 12, 13 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

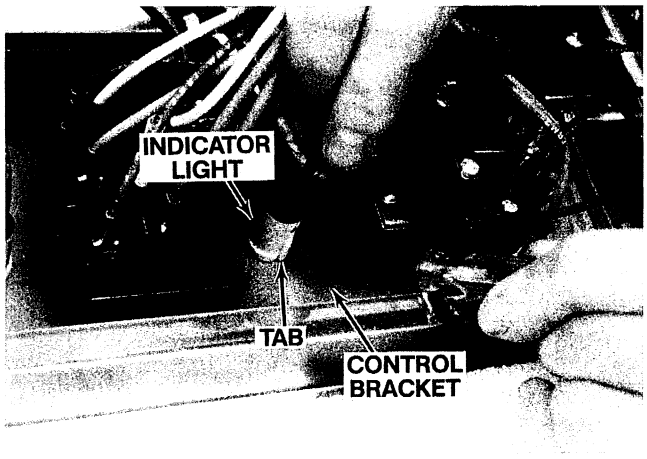
This part is located behind the control panel and when lit, shows you if one of the controls is ON.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the indicator light. This procedure should assure that the right wire is reconnected to the right terminal.

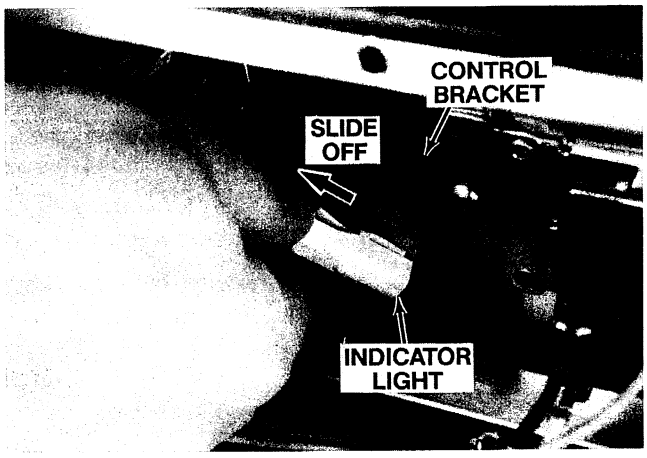


STEP 4 Using a screwdriver, push in on the tab and wiggle the light back and forth while pulling. This will release the tab from the control bracket.

STEP 5 Do the same to the other side of the indicator light.

OR

STEP 6 Hold on to the light lens on the front of the control panel.

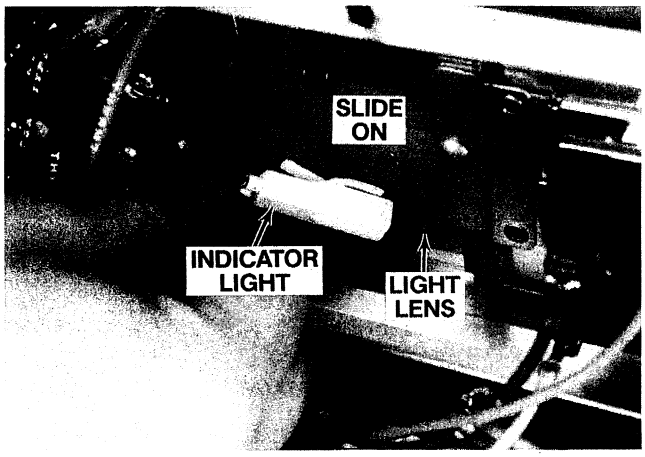


STEP 7 Slide the indicator light on the back of the control bracket off the light lens.

STEP 8 WARNING: THIS INDICATOR LIGHT MUST BE CHECKED BY RUNNING A VOLTAGE CHECK. FOR YOUR PERSONAL SAFETY, THIS CHECK MUST BE DONE BY A WHIRLPOOL TECH-CARE® SERVICE COMPANY.

REPLACEMENT

STEP 9 Place the light lens from the front of the control panel through the hole.



STEP 10 While holding on to the light lens, slide the indicator light from the back of the control panel over the edge of the light lens until the parts snap together.

OR

STEP 11 Tilt the indicator light when putting it in the hole so that one of the tabs catches on the control panel. Then roll the light to the other side until it snaps into place.

STEP 12 Reconnect the wires to the proper terminals as previously marked.

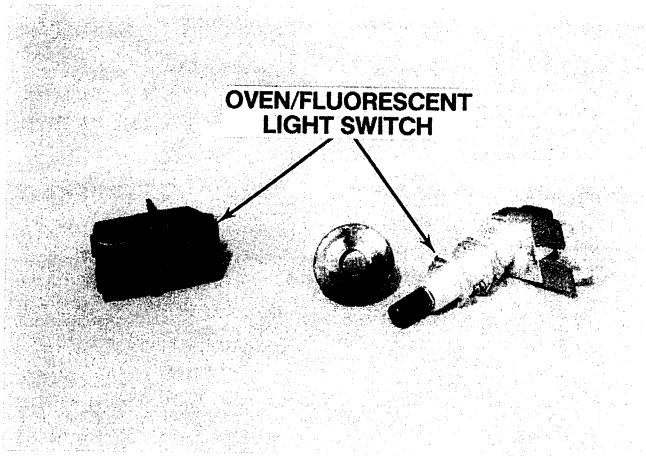
CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 13 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 14 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 5
Oven/Fluorescent Light Switch Testing and/or Replacement



See page 189, illus. no.'s 8, 9, page 190, illus. no. 17, page 191, illus. no. 6 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located on the control panel. We have two types of oven light switches. See Type A for the rocker switch or Type B for the pushbutton switch.

TYPE A

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

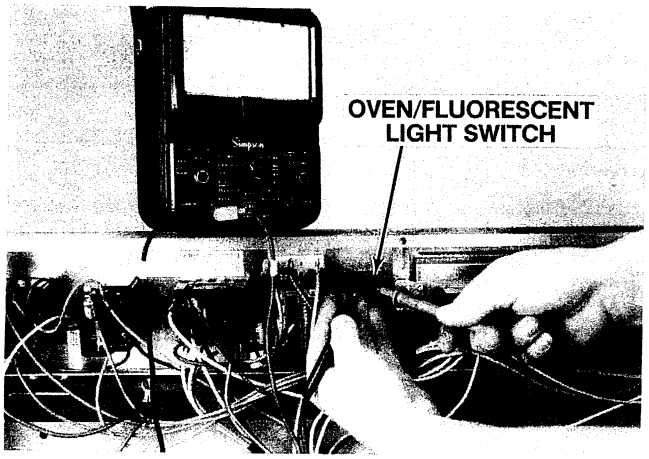
STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 You must know how to use an ohmmeter.

STEP 5 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

Off Position

STEP 6 Move the rocker switch to the OFF position.



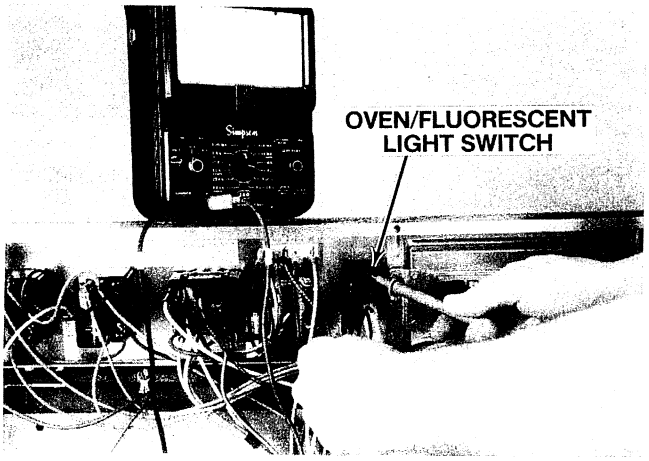
STEP 7 Touch one ohmmeter probe to one of the terminals.

STEP 8 Touch the other ohmmeter probe to the other terminal.

STEP 9 The ohmmeter should shown an open circuit. If not, the rocker switch is bad and needs replacing.

On Position

STEP 10 Move the rocker switch to the ON position.

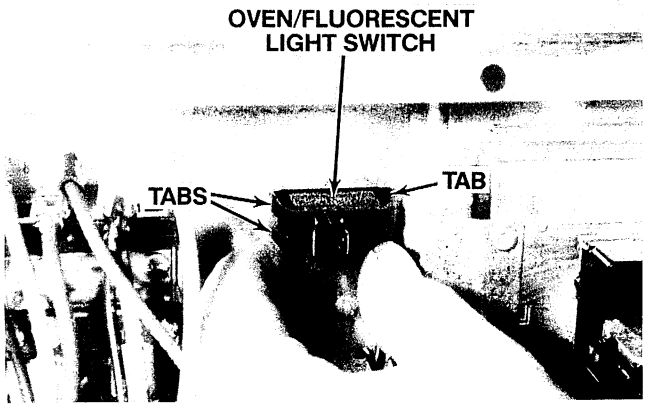


STEP 11 Touch one ohmmeter probe to one of the terminals.

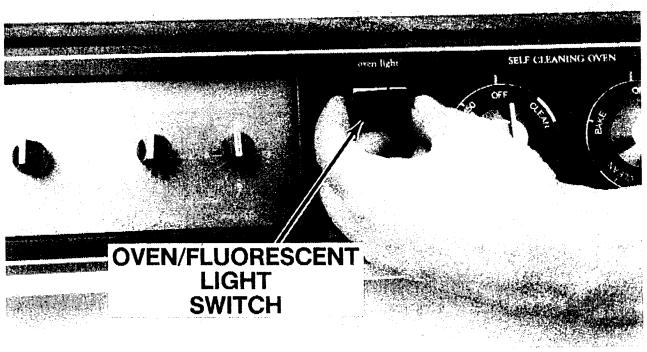
STEP 12 Touch the other ohmmeter probe to the other terminal.

STEP 13 The ohmmeter should show ZERO resistance (continuity). If not, the rocker switch is bad and needs replacing.

REPLACEMENT



STEP 14 Press in on the tabs on the side of the rocker switch and push the switch toward the front.



STEP 15 Push the rocker switch through the square opening in the front of the control panel until it snaps into place.

STEP 16 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 17 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 18 Reconnect the electrical power supply. See section B for the proper reconnection.

TYPE B

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

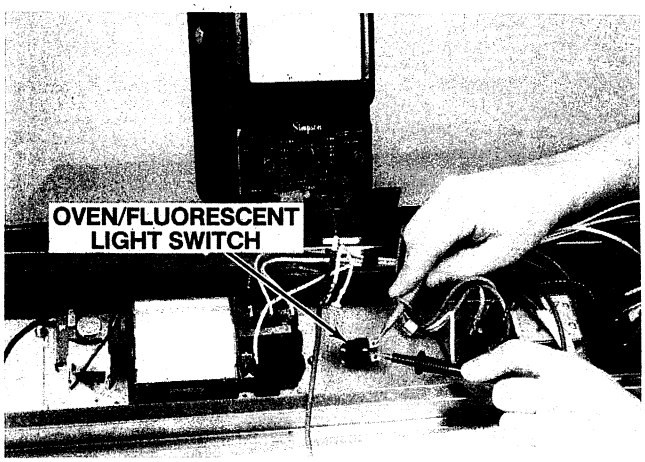
STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 You must know how to use an ohmmeter.

STEP 5 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

Off Position

STEP 6 Push the button in to the OFF position.



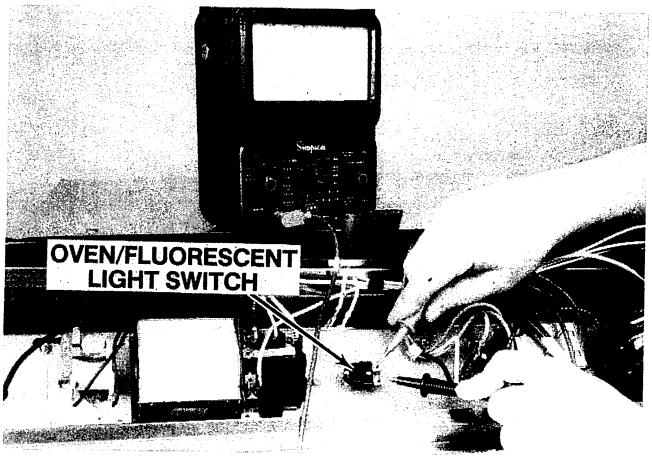
STEP 7 Touch one ohmmeter probe to one of the terminals.

STEP 8 Touch the other ohmmeter probe to the other terminal.

STEP 9 The ohmmeter should show an open circuit. If not, the pushbutton switch is bad and needs replacing.

On Position

STEP 10 Push the button in to the ON position.

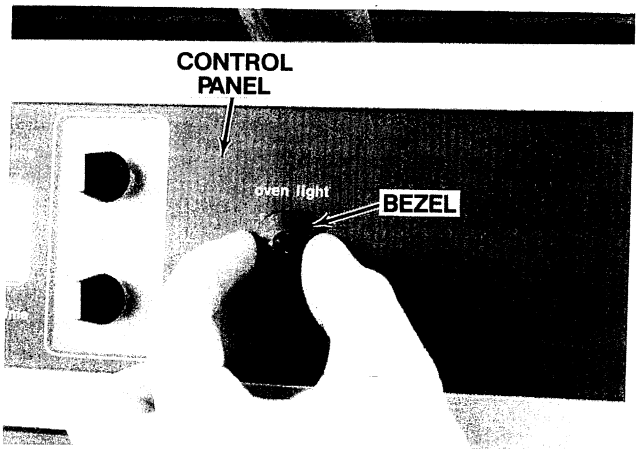


STEP 11 Touch one ohmmeter probe to one of the terminals.

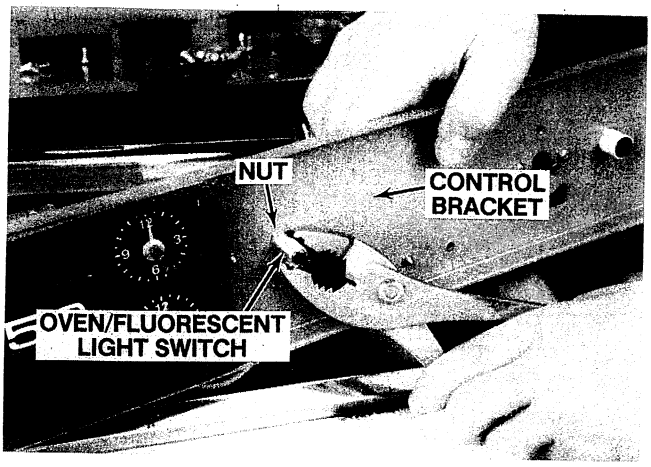
STEP 12 Touch the other ohmmeter probe to the other terminal.

STEP 13 The ohmmeter should show ZERO resistance (continuity). If not, the pushbutton switch is bad and needs replacing.

REPLACEMENT



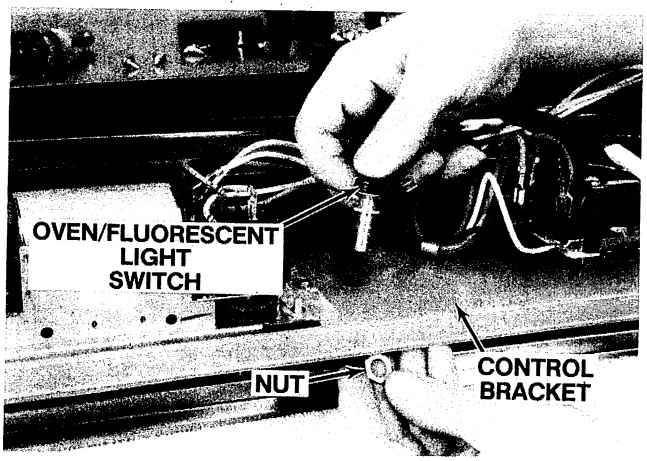
STEP 14 Using your fingers, unscrew the bezel on the front of the control panel.



STEP 15 Using pliers, remove the nut holding the switch to the control bracket.

NOTE: Some models you will have to remove the control bracket to get at the nut.

STEP 16 Carefully remove the oven light switch from the control bracket.



STEP 17 Place the oven light switch through the hole from the back of the control bracket.

STEP 18 Using pliers, place the nut on the shaft of the oven light switch from the front of the control panel, and tighten.

STEP 19 Using your fingers, place the bezel on the shaft of the switch and screw on to tighten.

STEP 20 Reconnect the wires to the proper terminals as previously marked.

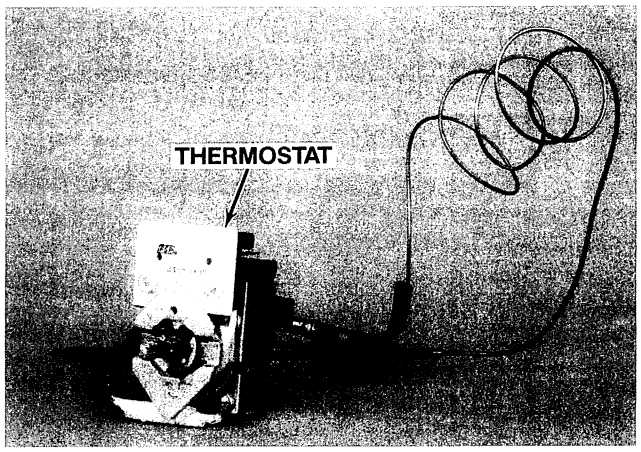
CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 21 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 22 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 6
Thermostat Testing and/or Replacement



See page 189, illus. no.'s 3, 4, page 190, illus. no.'s 12, 15, page 191, illus. no. 4 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located in the control panel with a sensing bulb located in the oven. This thermostat turns the bake unit ON when the oven is cold and turns the bake unit OFF when it is hot.

WARNING: DO NOT BREAK THE BULB OR TUBE AS THIS THERMOSTAT BULB CONTAINS SODIUM POTASSIUM ALLOY WHICH MAY CAUSE A SMALL SPARK WHEN EXPOSED TO AIR OR MOISTURE.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

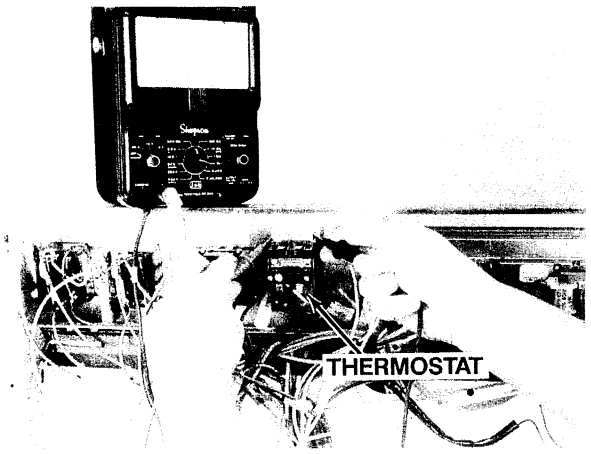
STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the thermostat. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 You must know how to use an ohmmeter.

STEP 5 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

Off Position

STEP 6 Turn the knob to the OFF position.



STEP 7 Touch one ohmmeter probe to terminal 7.

STEP 8 Touch the other ohmmeter probe to terminal 8.

STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the thermostat is bad and needs replacing.

STEP 10 Touch one ohmmeter probe to terminal 7.

STEP 11 Touch the other ohmmeter probe to the rest of the terminals without touching terminal 8.

STEP 12 The ohmmeter should shown an open circuit when touching these other terminals. If not, the thermostat is bad and needs replacing.

Bake Position

STEP 13 Turn the knob to any temperature in the BAKE cycle.

STEP 14 Touch one ohmmeter probe to terminal 1.

STEP 15 Touch the other ohmmeter probe to terminal 2.

STEP 16 The ohmmeter should show ZERO resistance (continuity). If not, the thermostat is bad and needs replacing.

STEP 17 Touch one ohmmeter probe to terminal 7.

STEP 18 Touch the other ohmmeter probe to terminal 8.

STEP 19 The ohmmeter should show ZERO resistance (continuity). If not, the thermostat is bad and needs replacing.

Clean Position

STEP 20 Turn the knob to the CLEAN cycle.

STEP 21 Touch one ohmmeter probe to terminal 1.

STEP 22 Touch the other ohmmeter probe to terminal 2.

STEP 23 The ohmmeter should show ZERO resistance (continuity). If not, the thermostat is bad and needs replacing.

STEP 24 Touch one ohmmeter probe to terminal 5.

STEP 25 Touch the other ohmmeter probe to terminal 6.

STEP 26 The ohmmeter should show ZERO resistance (continuity). If not, the thermostat is bad and needs replacing.

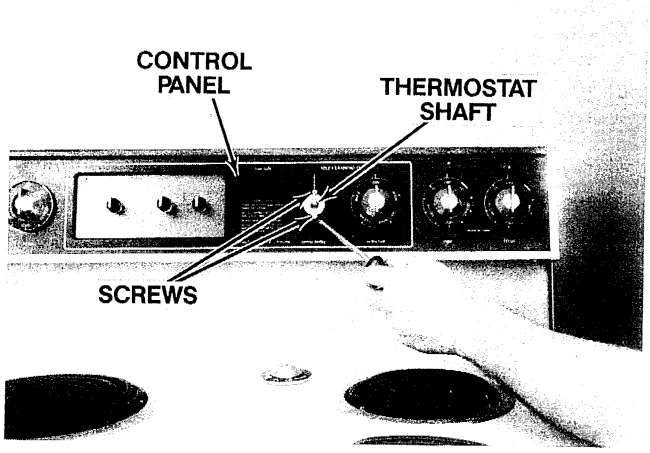
STEP 27 Touch one ohmmeter probe to terminal 7.

STEP 28 Touch the other ohmmeter probe to terminal 9.

STEP 29 The ohmmeter should show ZERO resistance (continuity). If not, the thermostat is bad and needs replacing.

REPLACEMENT

STEP 30 Remove the control knob *(section J, proc. 2, step 1).*

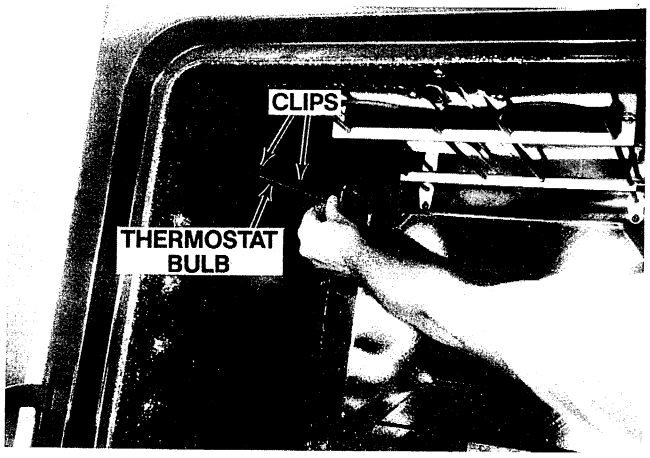


STEP 31 Using a screwdriver, remove the screws holding the thermostat to the control panel.

WARNING: DO NOT BREAK THE BULB OR TUBE AS THIS THERMOSTAT BULB CONTAINS SODIUM POTASSIUM ALLOY WHICH MAY CAUSE A SMALL SPARK WHEN EXPOSED TO AIR OR MOISTURE.

STEP 32 Carefully remove the thermostat.

STEP 33 Open the oven door.

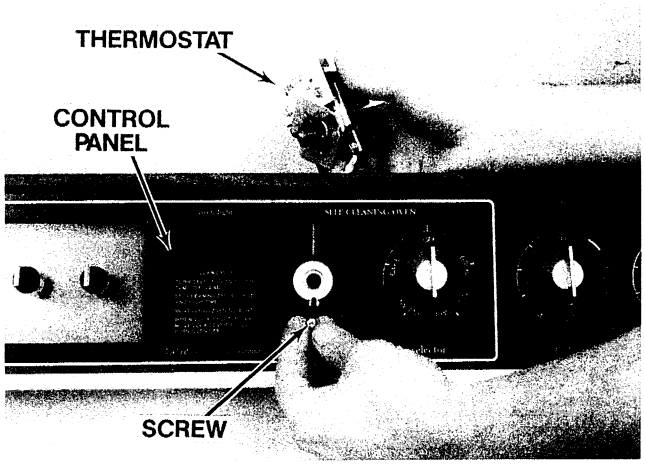


STEP 34 CAREFULLY remove the thermostat bulb out of the clips.

STEP 35 CAREFULLY push the tube and bulb out of the oven hole.

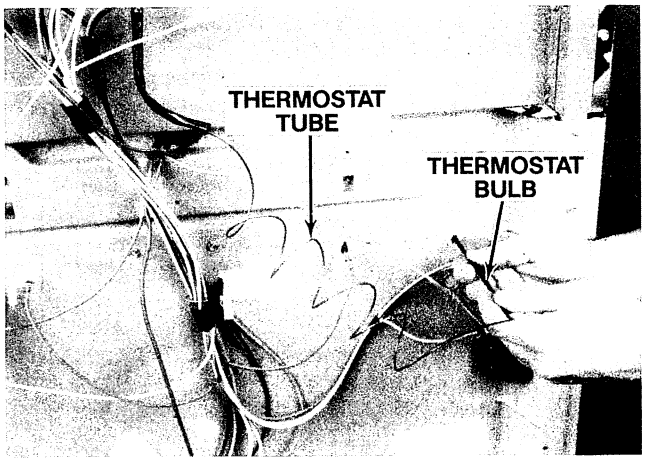
STEP 36 Remove the tube from the clip (if used) in the back of the range.

STEP 37 Place the thermostat on the control bracket.

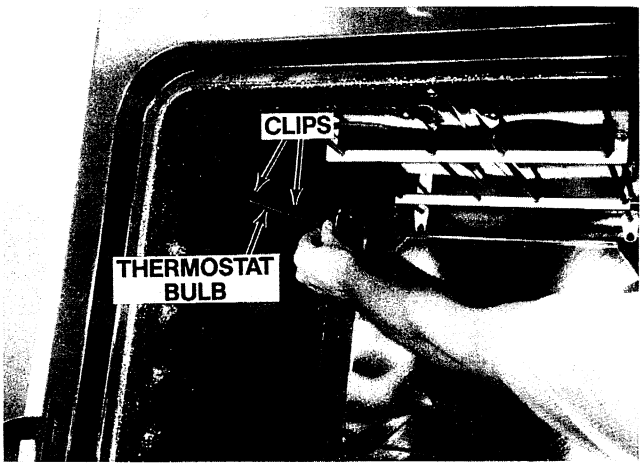


STEP 38 Using a screwdriver, insert the screws from the front of the control panel, through the control bracket, into the thermostat, and tighten.

STEP 39 Replace the control knob *(section J, proc. 2, step 2).*



STEP 40 CAREFULLY push the bulb and tube (about 12 inches) through the hole in the back or top of the oven.



STEP 41 CAREFULLY snap the bulb into the clips on the side of the oven.

STEP 42 Close the oven door.

STEP 43 Snap the thermostat tube into the clip (if used) in the back of the range.

STEP 44 Reconnect the wires to the proper terminals as previously marked.

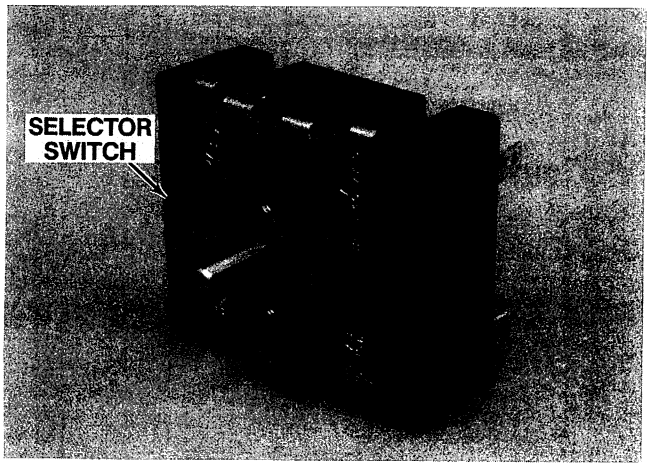
CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 45 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 46 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 7
Selector Switch Testing and/or Replacement



See page 189, illus. no.'s 5, 6, page 190, illus. no. 14, page 191, illus. no. 5 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located in the control panel. You set this selector switch to: BAKE—CLEAN—TIMED or BROIL.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

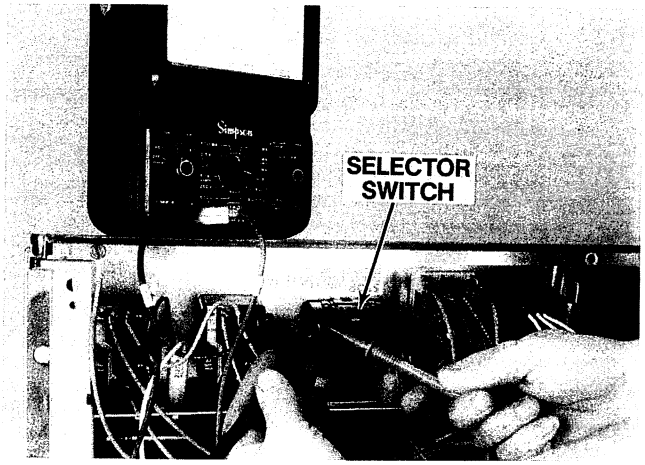
STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the selector switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 You must know how to use an ohmmeter.

STEP 5 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

Off Position

STEP 6 Turn the knob to the OFF position.



STEP 7 Touch and hold one ohmmeter probe to the terminal in the upper left corner.

STEP 8 Touch the other ohmmeter probe to the rest of the terminals, one at a time.

STEP 9 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 10 Move the ohmmeter probe (step 7) to the right (next terminal) then check the rest of the terminals one at a time. Keep checking this way until all terminals have been checked.

STEP 11 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

Bake Position

STEP 12 Turn the knob to the BAKE position.

STEP 13 Touch one ohmmeter probe to terminal L1.

STEP 14 Touch the other ohmmeter probe to terminal TB.

STEP 15 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 16 Touch one ohmmeter probe to terminal L1.

STEP 17 Touch the other ohmmeter probe to the rest of the terminals without touching terminal TB.

STEP 18 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 19 Touch one ohmmeter probe to terminal TB.

STEP 20 Touch the other ohmmeter probe to the rest of the terminals without touching terminal L1.

STEP 21 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 22 Touch one ohmmeter probe to terminal L2.

STEP 23 Touch the other ohmmeter probe to terminal BA.

STEP 24 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 25 Touch one ohmmeter probe to terminal L2.

STEP 26 Touch the other ohmmeter probe to terminal BR.

STEP 27 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 28 Touch one ohmmeter probe to terminal L2.

STEP 29 Touch the other ohmmeter probe to the rest of the terminals without touching terminals BA or BR.

STEP 30 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 31 Touch one ohmmeter probe to terminal BA.

STEP 32 Touch the other ohmmeter probe to the rest of the terminals without touching terminals L2 or BR.

STEP 33 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 34 Touch one ohmmeter probe to terminal BR.

STEP 35 Touch the other ohmmeter probe to the rest of the terminals without touching terminals L2 or BA.

STEP 36 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

Clean Position

STEP 37 Turn the knob to the CLEAN cycle.

STEP 38 Touch one ohmmeter probe to terminal T.

STEP 39 Touch the other ohmmeter probe to terminal TB.

STEP 40 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 41 Touch one ohmmeter probe to terminal T.

STEP 42 Touch the other ohmmeter probe to the rest of the terminals without touching terminal TB.

STEP 43 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 44 Touch one ohmmeter probe to terminal TB.

STEP 45 Touch the other ohmmeter probe to the rest of the terminals without touching terminal T.

STEP 46 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 47 Touch one ohmmeter probe to terminal 1.

STEP 48 Touch the other ohmmeter probe to terminal BA.

STEP 49 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 50 Touch one ohmmeter probe to terminal 1.

STEP 51 Touch the other ohmmeter probe to the rest of the terminals without touching terminal BA.

STEP 52 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 53 Touch one ohmmeter probe to terminal BA.

STEP 54 Touch the other ohmmeter probe to the rest of the terminals without touching terminal 1.

STEP 55 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 56 Touch one ohmmeter probe to terminal 2.

STEP 57 Touch the other ohmmeter probe to terminal BR.

STEP 58 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 59 Touch one ohmmeter probe to terminal 2.

STEP 60 Touch the other ohmmeter probe to the rest of the terminals without touching terminal BR.

STEP 61 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 62 Touch one ohmmeter probe to terminal BR.

STEP 63 Touch the other ohmmeter probe to the rest of the terminals without touching terminal 2.

STEP 64 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

Timed Position

STEP 65 Turn the knob to the TIMED cycle.

STEP 66 Touch one ohmmeter probe to terminal T.

STEP 67 Touch the other ohmmeter probe to terminal TB.

STEP 68 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 69 Touch one ohmmeter probe to terminal T.

STEP 70 Touch the other ohmmeter probe to the rest of the terminals without touching terminal TB.

STEP 71 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 72 Touch one ohmmeter probe to terminal TB.

STEP 73 Touch the other ohmmeter probe to the rest of the terminals without touching terminal T.

STEP 74 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 75 Touch one ohmmeter probe to terminal L2.

STEP 76 Touch the other ohmmeter probe to terminal BA.

STEP 77 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 78 Touch one ohmmeter probe to terminal L2.

STEP 79 Touch the other ohmmeter probe to terminal BR.

STEP 80 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 81 Touch one ohmmeter probe to terminal L2.

STEP 82 Touch the other ohmmeter probe to the rest of the terminals without touching terminals BA or BR.

STEP 83 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

Broil Position

STEP 84 Turn the knob to the BROIL cycle.

STEP 85 Touch one ohmmeter probe to terminal L1.

STEP 86 Touch the other ohmmeter probe to terminal TB.

STEP 87 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 88 Touch one ohmmeter probe to terminal L1.

STEP 89 Touch the other ohmmeter probe to the rest of the terminals without touching terminal TB.

STEP 90 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 91 Touch one ohmmeter probe to terminal TB.

STEP 92 Touch the other ohmmeter probe to the rest of the terminals without touching terminal L1.

STEP 93 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

STEP 94 Touch one ohmmeter probe to terminal L2.

STEP 95 Touch the other ohmmeter probe to terminal H1.

STEP 96 The ohmmeter should show ZERO resistance (continuity). If not, the selector switch is bad and needs replacing.

STEP 97 Touch one ohmmeter probe to terminal L2.

STEP 98 Touch the other ohmmeter probe to the rest of the terminals without touching terminal H1.

STEP 99 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

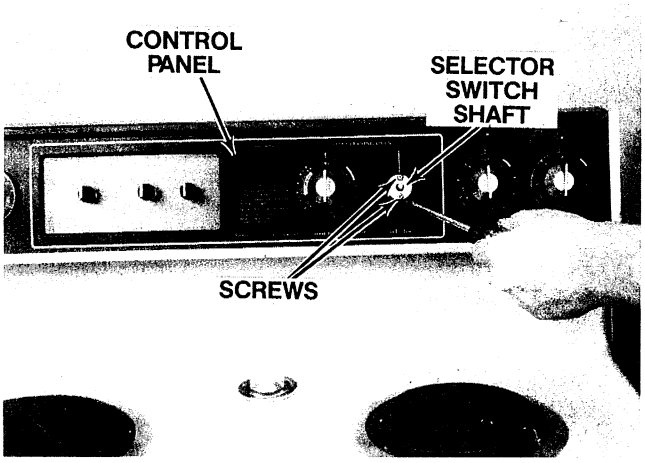
STEP 100 Touch one ohmmeter probe to terminal H1.

STEP 101 Touch the other ohmmeter probe to the rest of the terminals without touching terminal L2.

STEP 102 The ohmmeter should show an open circuit when touching these other terminals. If not, the selector switch is bad and needs replacing.

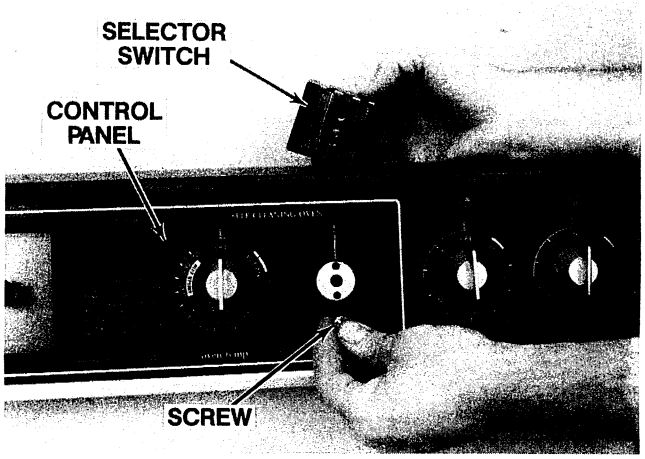
REPLACEMENT

STEP 103 Remove the control knob *(section J, proc. 2, step 1).*



STEP 104 Using a screwdriver, remove the screws holding the selector switch to the control panel.

STEP 105 Carefully remove the selector switch.



STEP 106 Place the selector switch on the control bracket.

STEP 107 Using a screwdriver, insert the screws from the front of the control panel, through the control bracket, into the selector switch, and tighten.

STEP 108 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

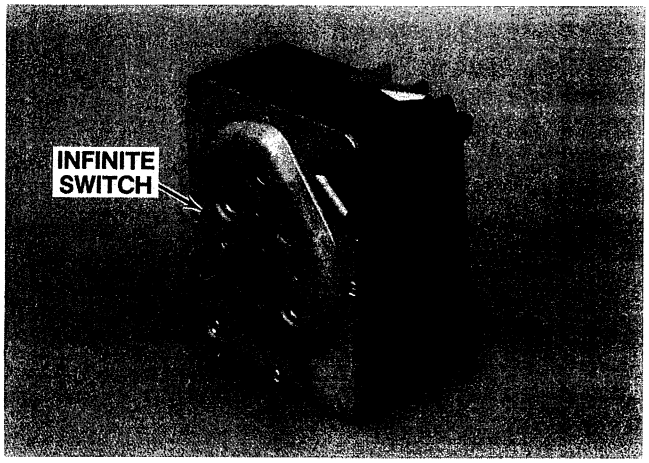
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 109 Replace the control knob *(section J, proc. 2, step 2).*

STEP 110 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 111 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 8
Infinite Switch Testing and/or Replacement



See page 189, illus. no. 2, page 191, illus. no. 7 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located in the control panel. You set this infinite switch to LOW—MED—HI or anyplace in between.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

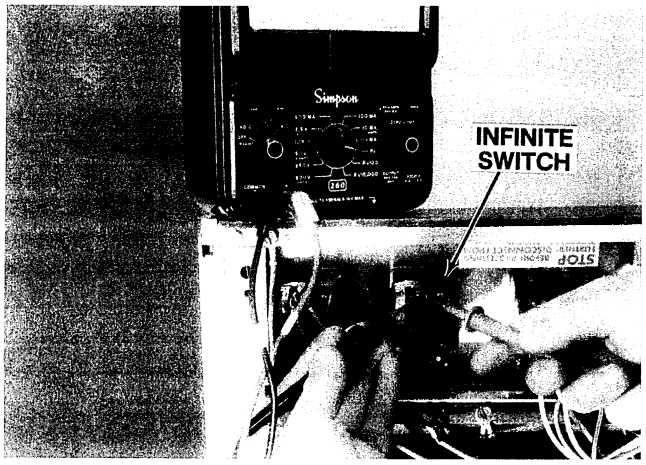
STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the infinite switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 You must know how to use an ohmmeter.

STEP 5 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

Off Position

STEP 6 Turn the knob to the OFF position.



STEP 7 Touch and hold one ohmmeter probe to the terminal in the upper left corner.

STEP 8 Touch the other ohmmeter probe to the rest of the terminals one at a time.

STEP 9 The ohmmeter should show an open circuit when touching these other terminals. If not, the infinite switch is bad and needs replacing.

STEP 10 Move the ohmmeter probe (step 7) to the right (next terminal) then check the rest of the terminals one at a time. Keep checking this way until all terminals have been checked.

STEP 11 The ohmmeter should show an open circuit when touching these other terminals. If not, the infinite switch is bad and needs replacing.

Low Position

STEP 12 Turn the knob to the LOW setting.

STEP 13 Touch one ohmmeter probe to terminal L1 (3).

STEP 14 Touch the other ohmmeter probe to terminal P (2).

STEP 15 The ohmmeter should show ZERO resistance (continuity). If not, the infinite switch is bad and needs replacing.

STEP 16 Touch one ohmmeter probe to terminal L1 (3).

STEP 17 Touch the other ohmmeter probe to terminal H1 (1).

STEP 18 The ohmmeter should show ZERO resistance (continuity). If not, the infinite switch is bad and needs replacing.

STEP 19 Touch one ohmmeter probe to terminal L1 (3).

STEP 20 Touch the other ohmmeter probe to the rest of the terminals without touching terminals P (2) or H1 (1).

STEP 21 The ohmmeter should show an open circuit when touching these other terminals. If not, the infinite switch is bad and needs replacing.

STEP 22 Touch one ohmmeter probe to terminal P (2).

STEP 23 Touch the other ohmmeter probe to the rest of the terminals without touching terminals H1 (1) or L1 (3).

STEP 24 The ohmmeter should show an open circuit when touching these other terminals. If not, the infinite switch is bad and needs replacing.

STEP 25 Touch one ohmmeter probe to terminal H1 (1).

STEP 26 Touch the other ohmmeter probe to the rest of the terminals without touching terminals P (2) or L1 (3).

STEP 27 The ohmmeter should show an open circuit when touching these other terminals. If not, the infinite switch is bad and needs replacing.

Medium Position

STEP 28 Turn the knob to the MED setting.

STEP 29 Use the same checking procedure as in steps 13-27.

Hi Position

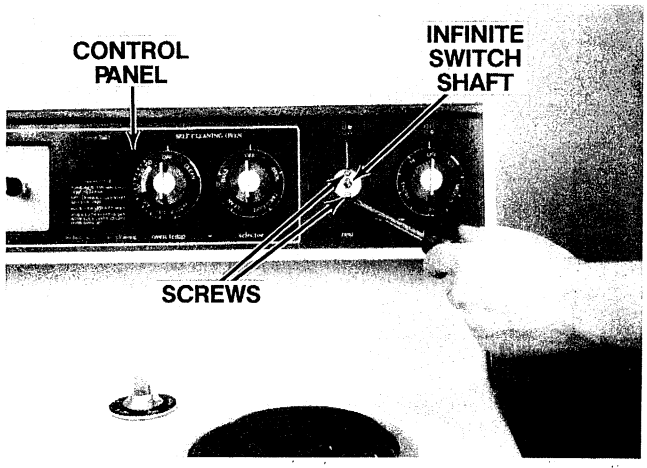
STEP 30 Turn the knob to the HI setting.

STEP 31 Use the same checking procedures as in steps 13-27.

REPLACEMENT

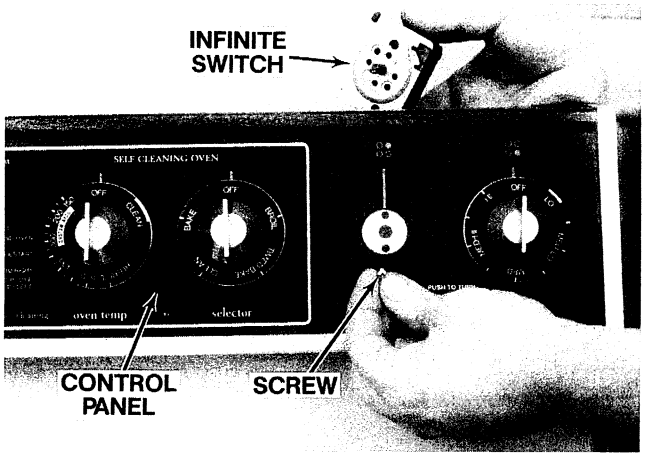
STEP 32 Remove the control knob *(section J, proc. 2, step 1).*

STEP 33 Pull the dial off (if used).



STEP 34 Using a screwdriver, remove the screws holding the infinite switch to the control panel.

STEP 35 Carefully remove the infinite switch.



STEP 36 Place the infinite switch on the control bracket.

STEP 37 Using a screwdriver, insert the screws from the front of the control panel, through the control bracket, into the infinite switch, and tighten.

STEP 38 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

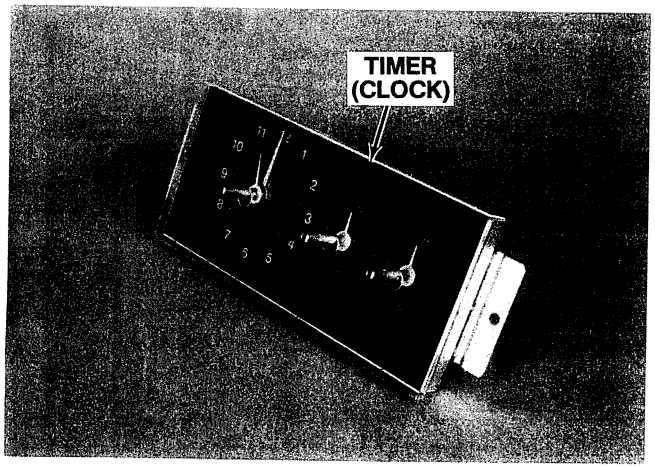
STEP 39 Push the dial ON (if used).

STEP 40 Replace the control knob *(section J, proc. 2, step 2).*

STEP 41 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 42 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 9
Timer (Clock) Replacement



See page 189, illus. no. 11, page 190, illus. no. 18, page 191, illus. no. 9 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This timer clock gives you the time of day, plus it has a START and STOP time. The START and STOP time is used for baking when you are not at home and used for self-cleaning the oven.

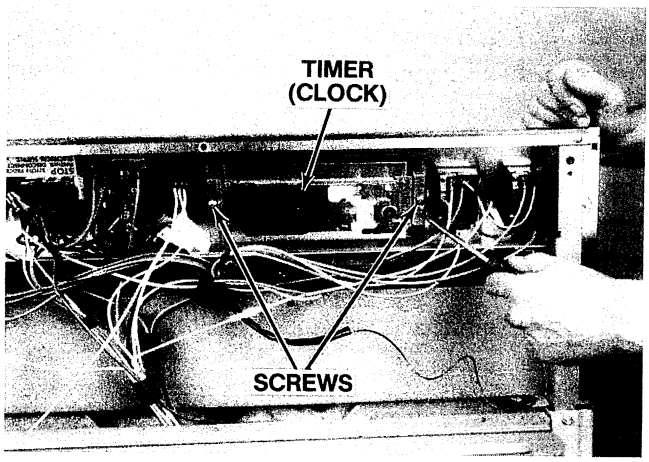
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

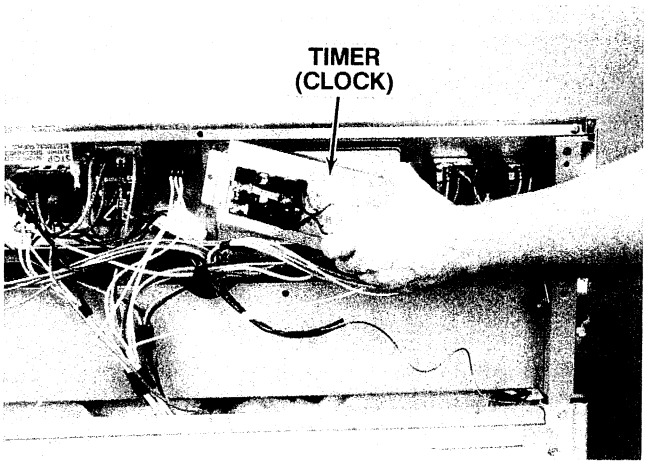
REPLACEMENT

STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the timer (clock). This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 Remove the control knobs *(section J, proc. 2, step 1).*



STEP 5 Using a screwdriver or nutdriver, remove the nuts or screws holding the timer (clock) to the control bracket.



STEP 6 Place the timer (clock) on the control bracket.

STEP 7 Using a screwdriver or nutdriver insert the screws or place the nuts on the studs and tighten.

STEP 8 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

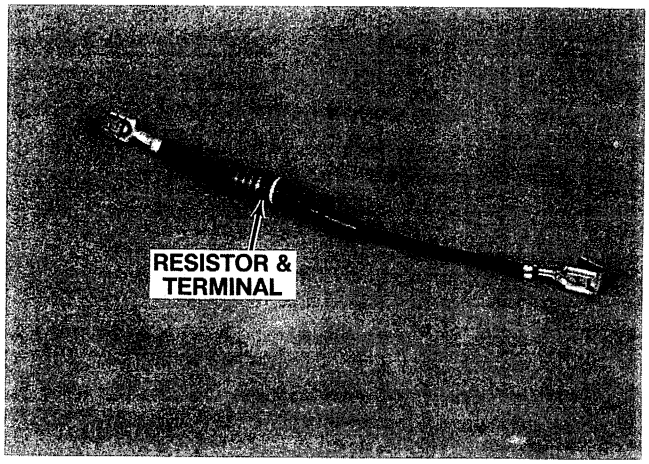
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 9 Replace the control knobs *(section J, proc. 2, step 2).*

STEP 10 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

STEP 11 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 10
Resistor and Terminal Testing and/or Replacement



See page 189, illus. no. 16, page 191, illus. no. 24, for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located inside the control panel. It connects to the lock switch on the thermostat. Its purpose is to cut the voltage down so the lock switch is not ruined.

STEP 1 Disconnect the electrical power supply *(section B).*

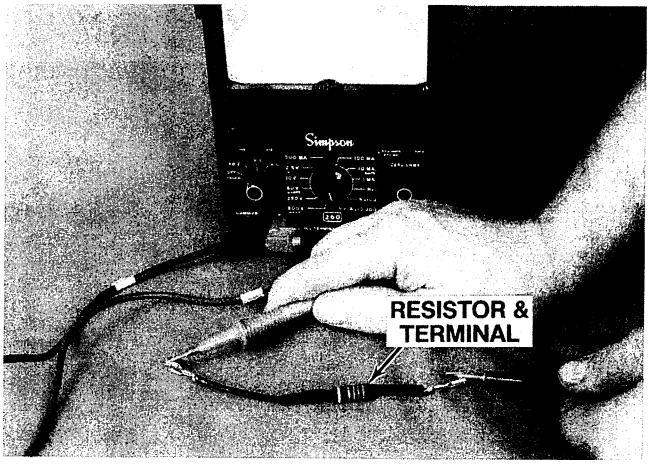
STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

TESTING

STEP 3 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the thermostat and switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 4 You must know how to use an ohmmeter.

STEP 5 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 30,000-35,000 ohms. Set the ohms scale and ZERO the meter.



STEP 6 Place one ohmmeter probe on the terminal at one end of the resistor.

STEP 7 Place the other ohmmeter probe on the terminal at the other end of the resistor.

STEP 8 The ohmmeter should show between 30,000-35,000 ohms on the ohms scale. If not, the resistor is bad and needs replacing.

REPLACEMENT

STEP 9 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

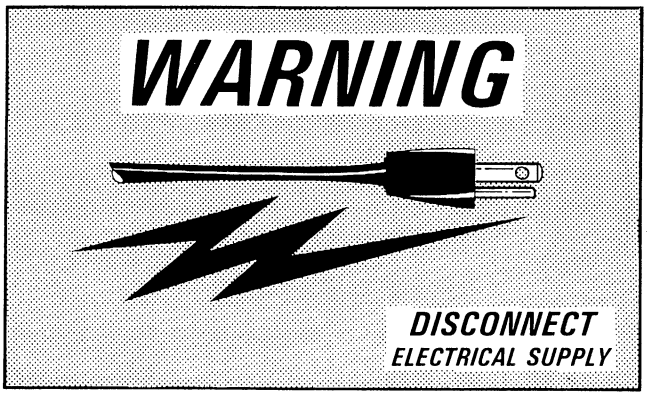
STEP 10 Read the note in front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

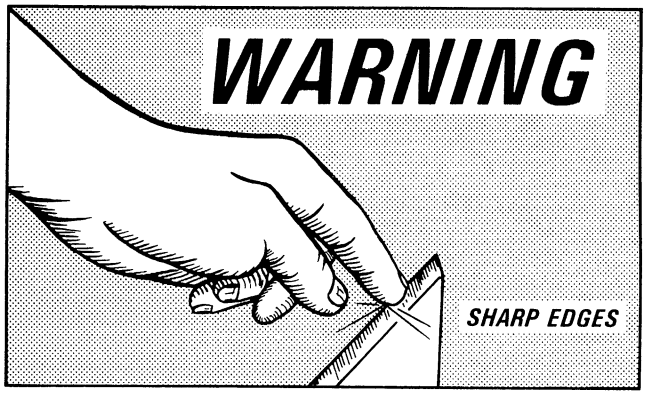
STEP 11 Reconnect the electrical power supply. See section B for the proper reconnection.

SECTION K

Cooktop Area

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.

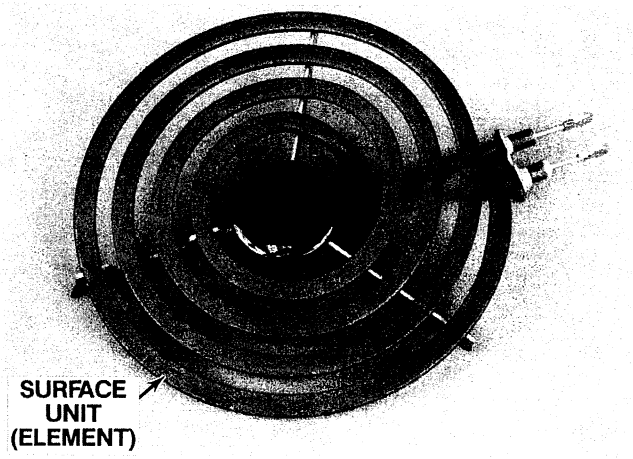




WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

PROCEDURE 1
Surface Unit (Element) Testing and/or Replacement



See page 187, illus. no. 19 for location of part.

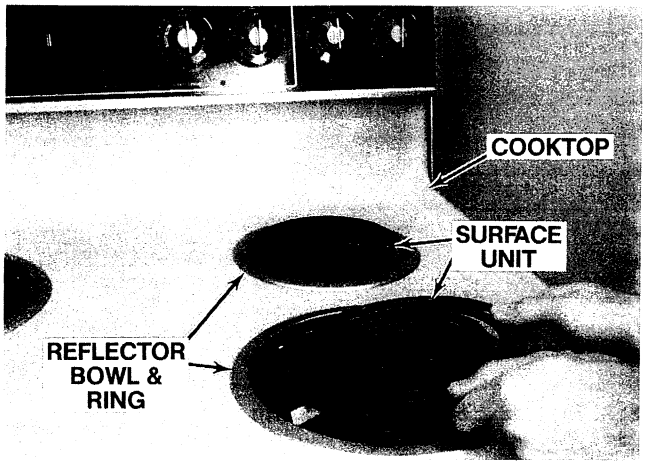
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located on the top of the range and is used in cooking your food.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.



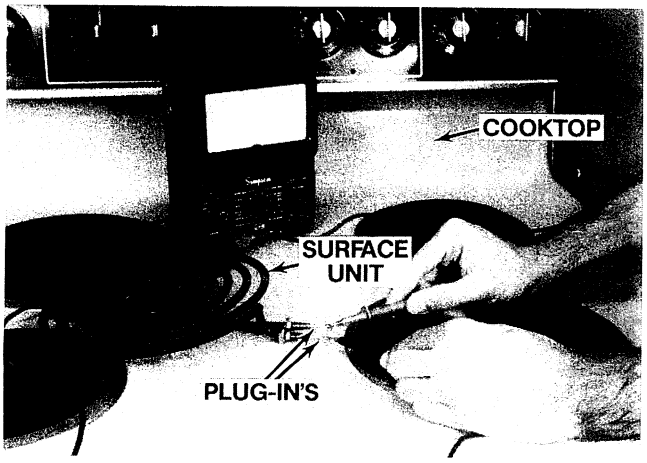
STEP 2 Lift the edge of the surface unit (opposite plug-in's) just enough to clear the reflector bowl.

STEP 3 Pull the surface unit out of the receptacle. You may have to wiggle it back and forth while pulling.

TESTING

STEP 4 You must know how to use an ohmmeter.

STEP 5 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 10-70 ohms. Set the ohms scale and ZERO the meter.



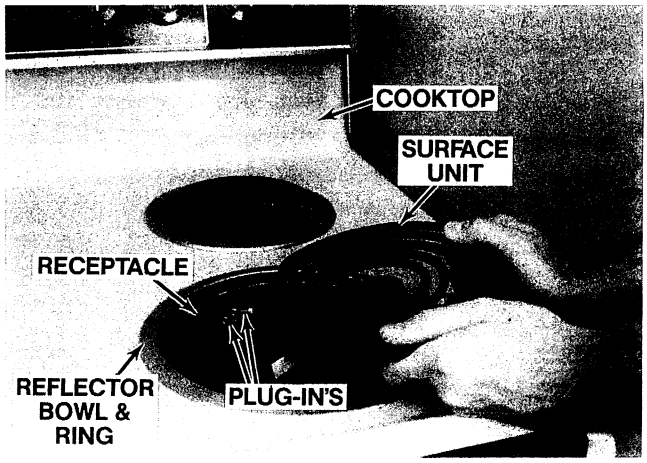
STEP 6 Touch one ohmmeter probe to one of the plug-in's (terminal).

STEP 7 Touch the other ohmmeter probe to the other plug-in (terminal).

STEP 8 The ohmmeter should show between 10-70 ohms. If not, the surface unit is bad and needs replacing.

REPLACEMENT

STEP 9 Hold the surface unit as level as you can with the surface unit plug-in's (terminals) just starting into the receptacle.

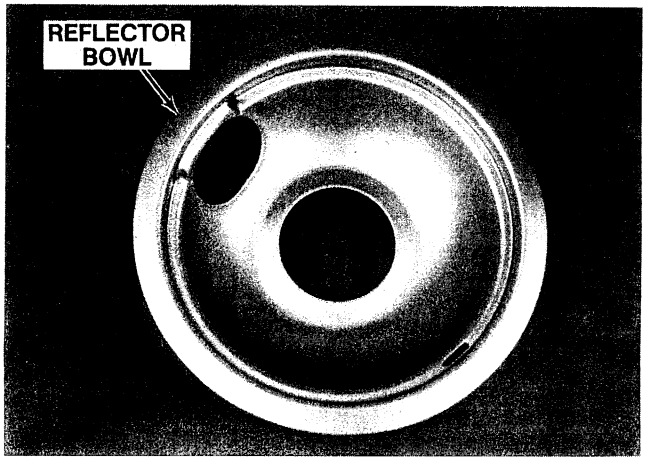


STEP 10 Push the surface unit plug-in's (terminals) into the receptacle.

NOTE: With the surface unit pushed all the way into the receptacle, the surface unit will fit into and on the reflector bowl.

STEP 11 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 2
Reflector Bowl and Adapter Ring Replacement



See page 187, illus. no.'s 17, 18 for location of parts.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

These parts are located under the surface unit on the top of the range.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

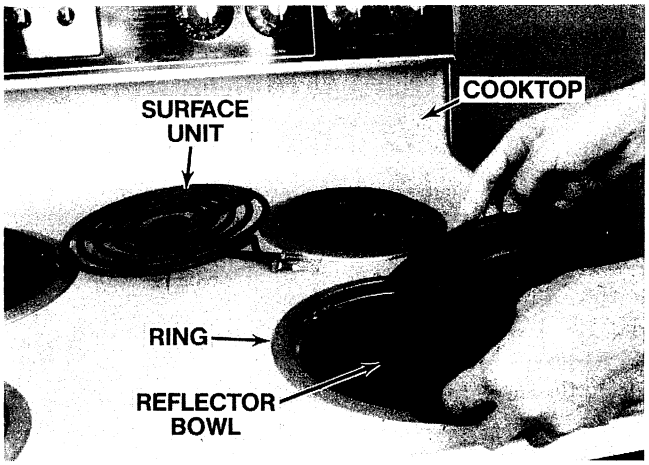
STEP 2 Remove the surface unit *(section K, proc. 1, steps 2 & 3).*

STEP 3 Remove the reflector bowl.

STEP 4 Remove the adapter ring (if used).

REPLACEMENT

STEP 5 Place the adapter ring (if used) with the cut-out in line with the receptacle.

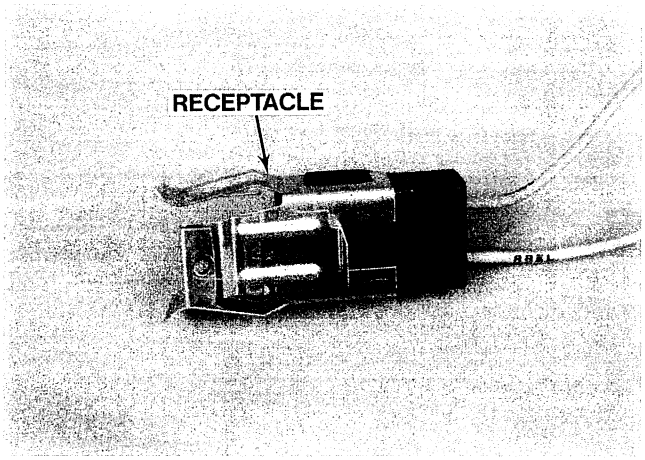


STEP 6 Place the reflector bowl with the cut-out in line with the receptacle.

STEP 7 Replace the surface unit *(section K, proc. 1, steps 9 & 10).*

STEP 8 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 3
Receptacle Replacement



See page 187, illus. no. 16 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

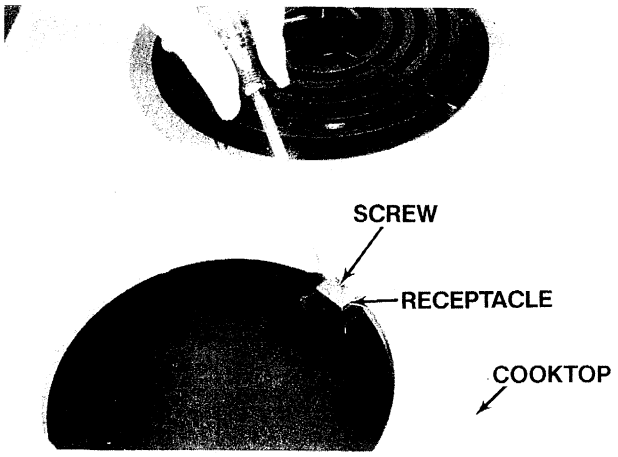
This part is located under the cooktop. The surface unit (element) plugs into it.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface unit(s) *(section K, proc. 1, steps 2 & 3).*

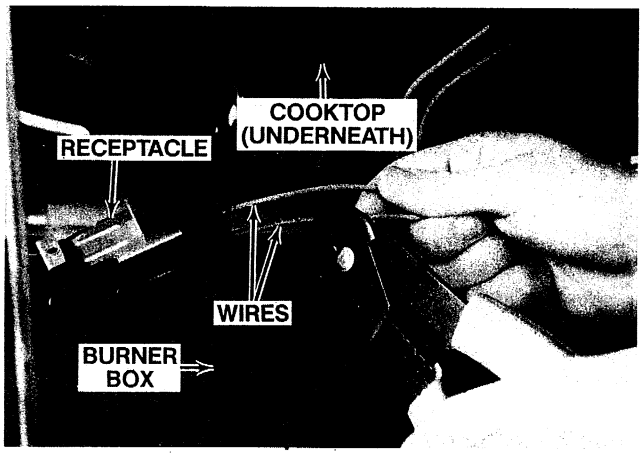
STEP 3 Remove the reflector bowl(s) and adapter ring(s) *(section K, proc. 2, steps 3 & 4).*



STEP 4 Using a screwdriver, remove the screw(s) holding the receptacle(s) to the top.

STEP 5 Raise the cooktop *(section K, proc. 4, steps 2 & 3).*

STEP 6 CAUTION: Label each wire according to the location or color of wire on the receptacle. This procedure should assure that the right wire is reconnected to the right wire, terminal or receptacle.



STEP 7 Using wire cutters, cut both wires off about 1 inch away from the receptacle(s).

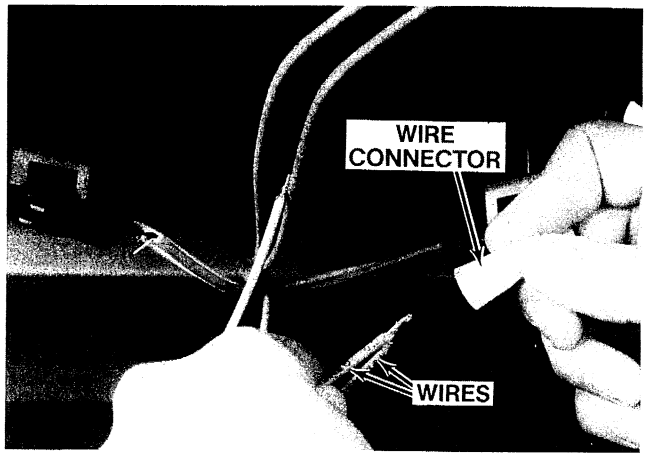
STEP 8 Strip the insulation back 1/2 inch on each of the two wiring harness wires.

REPLACEMENT

STEP 9 Use only a wire connector for splicing wires together.

CAUTION: Tape is not recommended.

STEP 10 Reconnect the wires to the proper wires, terminals or receptacle *(see steps 11-14).*



STEP 11 Hold one wire from the receptacle and the other wire coming from the wiring harness.

STEP 12 With the two wires together, screw the wire connector down on the bare wires.

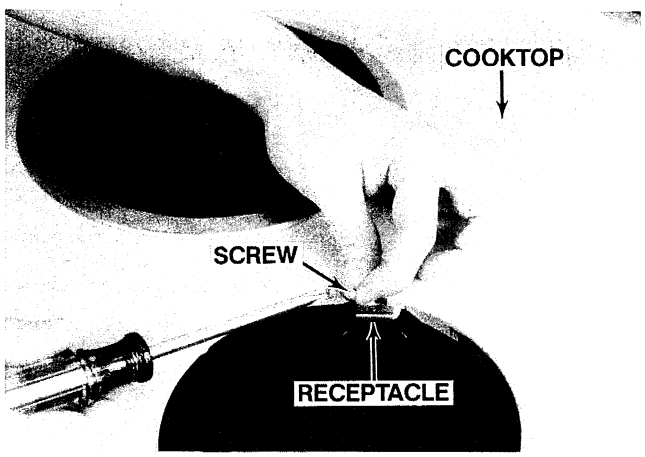
STEP 13 Hold the other wire from the receptacle and the other wire coming from the wiring harness.

STEP 14 With the two wires together, screw the wire connector down on the bare wires.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 15 Lower the cooktop *(section K, proc. 4, steps 4 & 5).*



STEP 16 Using a screwdriver, insert the screw(s) through the receptacle(s) into the cooktop and tighten.

STEP 17 Replace the reflector bowl(s) and adapter ring(s) *(section K, proc. 2, steps 5 & 6).*

STEP 18 Replace the surface unit(s) *(section K, proc. 1, steps 9 & 10).*

STEP 19 Reconnect the electrical power supply. See section B for the proper reconnection.

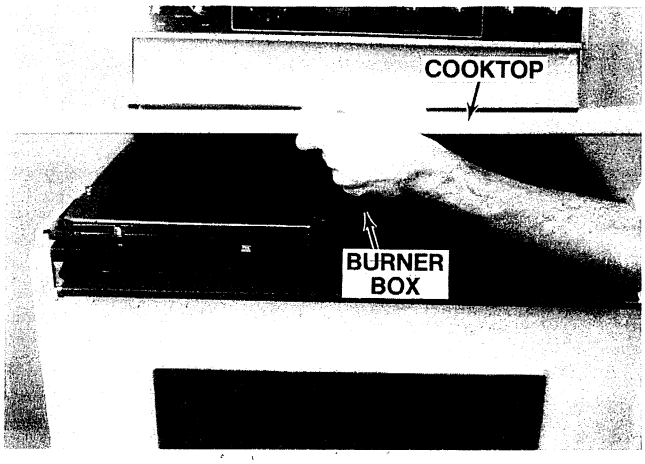
PROCEDURE 4
Raising the Cooktop

See page 187, illus. no. 13 for location of part.

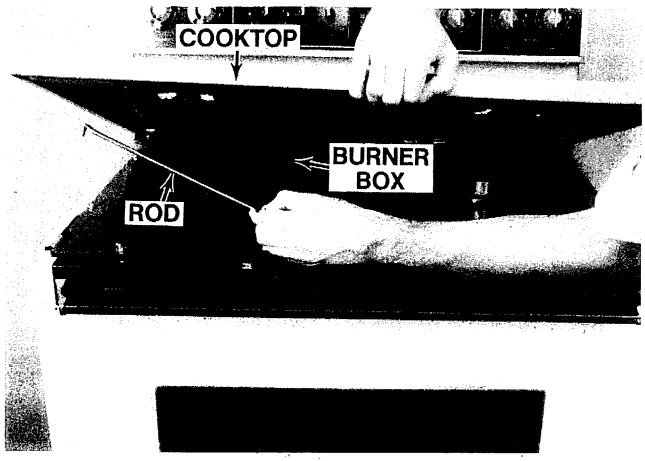
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located on top of the range. The burners sit on this cooktop.

STEP 1 Disconnect the electrical power supply *(section B).*

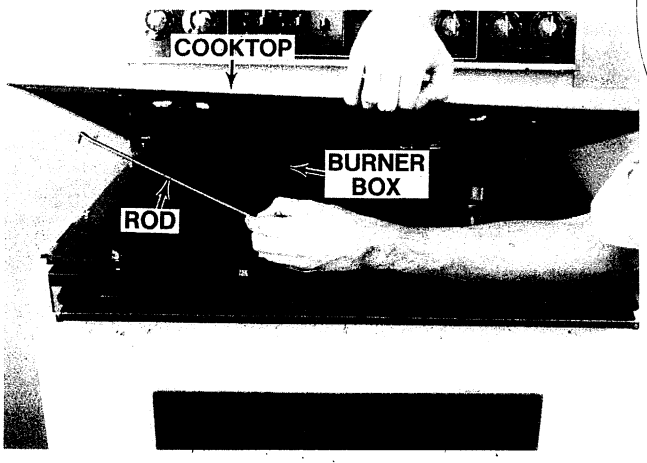


STEP 2 Lift the cooktop about 12 inches from the burner box.



STEP 3 Grab the rod and swing it upward, placing the edge of the rod under the flange of the cooktop.

Lowering the Cooktop



STEP 4 Hold onto the cooktop while lowering the rod.

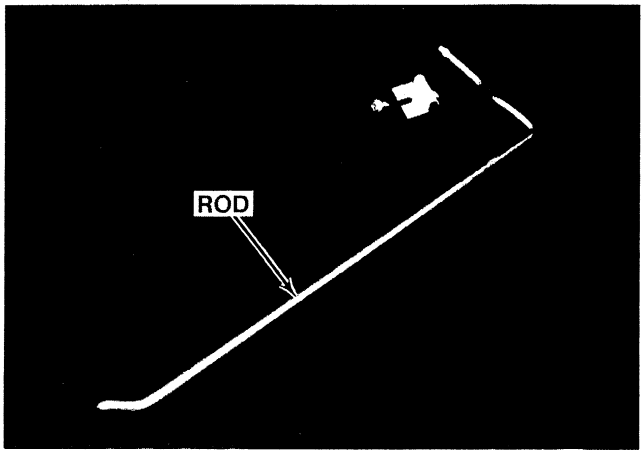
CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 5 Carefully lower the cooktop.

STEP 6 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 5
Cooktop Rod Replacement

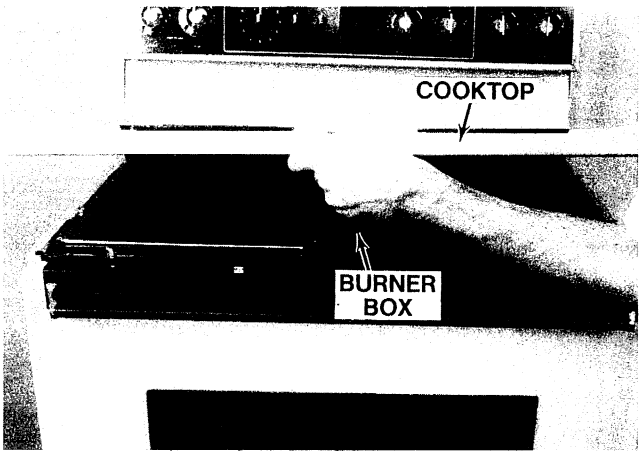


See page 187, illus. no. 9 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located under the cooktop and is used to hold the cooktop up while cleaning or servicing.

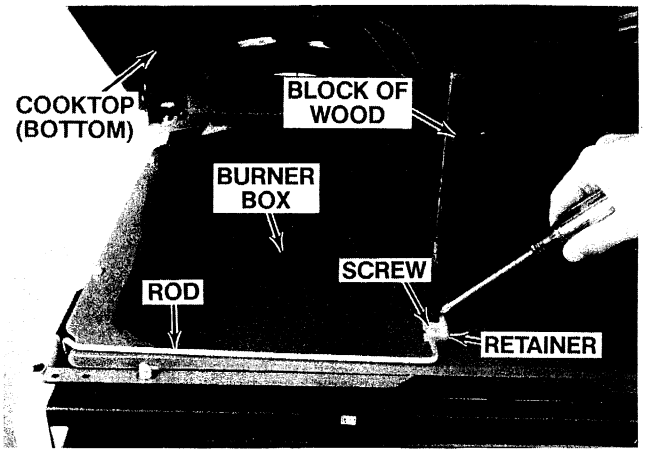
STEP 1 Disconnect the electrical power supply *(section B).*



STEP 2 Lift the cooktop about 12 inches from the burner box.

STEP 3 Place a block of wood about 8 inches long, under the cooktop and on top of the burner box.

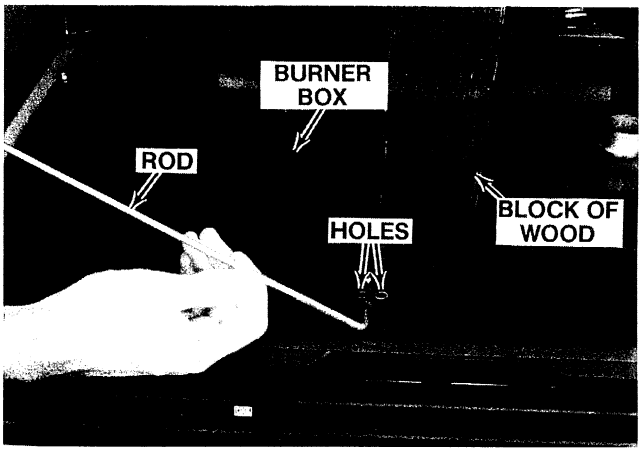
STEP 4 Carefully lower the cooktop down on the block of wood.



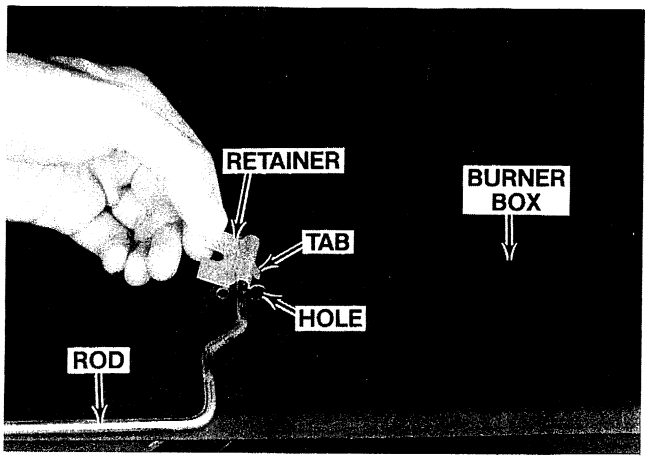
STEP 5 Using a screwdriver, remove the screw holding the retainer to the burner box.

STEP 6 Carefully remove the retainer and rod.

REPLACEMENT



STEP 7 Place the rod down on the cooktop with the short edge between the two holes.



STEP 8 Place the tab on the retainer in the larger hole.

STEP 9 Lower the retainer so the rod is in the groove.

STEP 10 Using a screwdriver, insert the screw through the retainer, into the burner box and tighten.

STEP 11 Hold onto the cooktop while removing the block of wood.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 12 Carefully lower the cooktop.

STEP 13 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 6
Cooktop Replacement

See page 187, illus. no. 13 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located on top of the range. The burners sit on this cooktop.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

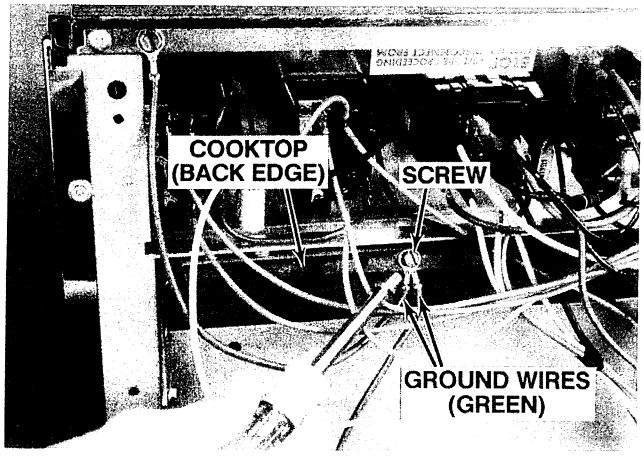
STEP 2 Remove the surface units (element) *(section K, proc. 1, steps 2 & 3).*

STEP 3 Remove the reflector bowls and adapter rings *(section K, proc. 2, steps 3 & 4).*

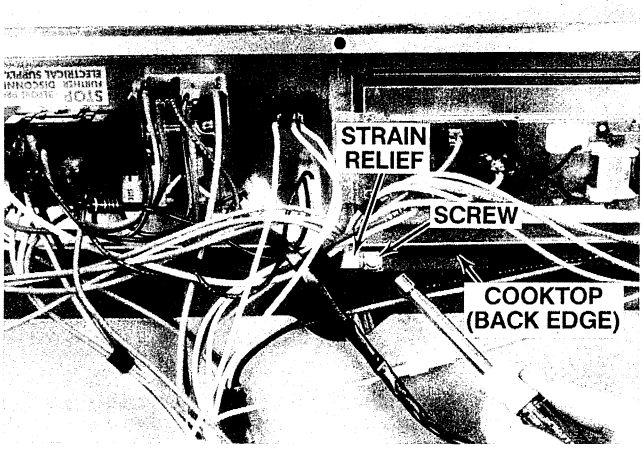
STEP 4 Remove the receptacles *(section K, proc. 3, step 4).*

STEP 5 Remove the controls if they are mounted to the front of the cooktop.

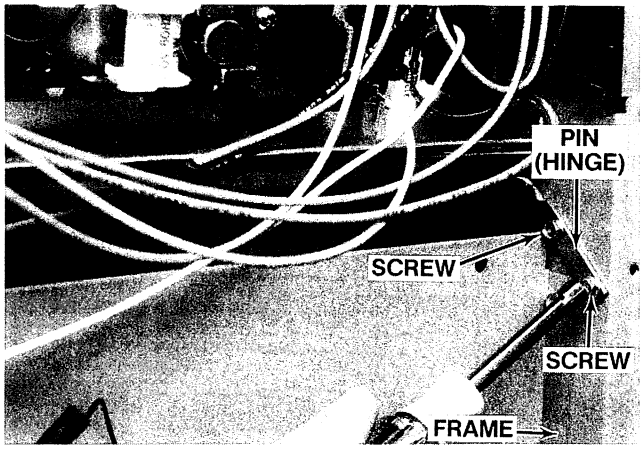
STEP 6 Remove the back or rear cover *(section J, proc. 1, Type C, steps 2 & 3).*



STEP 7 Using a screwdriver or nutdriver, remove the screw holding the green ground wires to the edge of the cooktop (if mounted there).

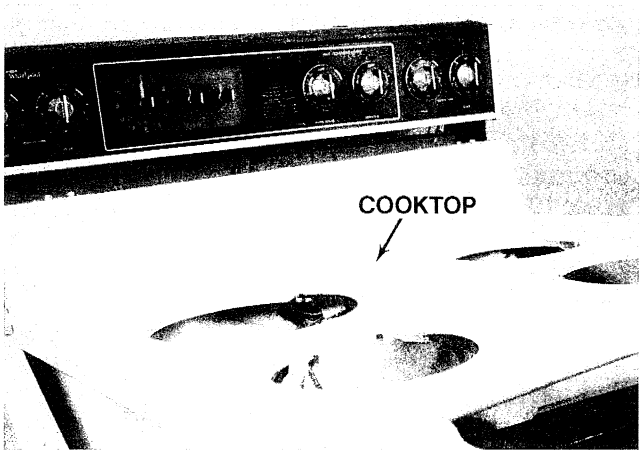


STEP 8 Using a nutdriver or socket wrench, remove the screw holding the wire strain relief to the edge of the cooktop (if mounted there).

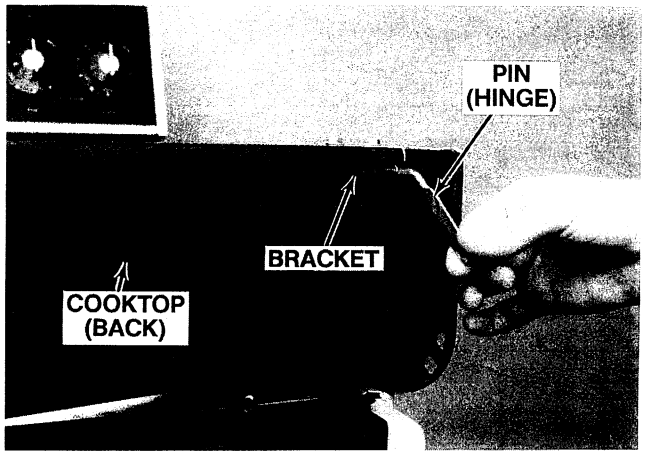


STEP 9 Using a socket wrench, remove the screws holding both the right and left pins (hinges) to the side of the frame.

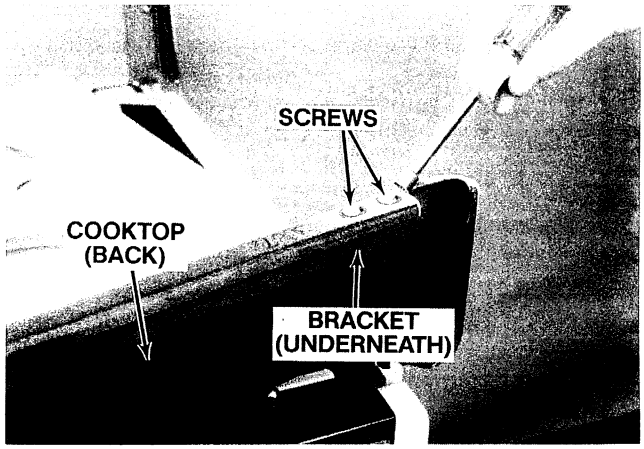
CAUTION: Be careful when removing the cooktop as the pins (hinges) may fall out.



STEP 10 Lift the front of the cooktop and pull toward you to remove.

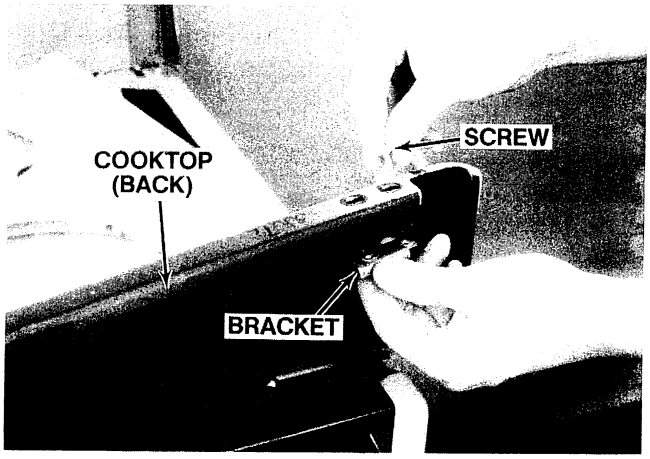


STEP 11 Pull both the right and left pins (hinges) out of the brackets.



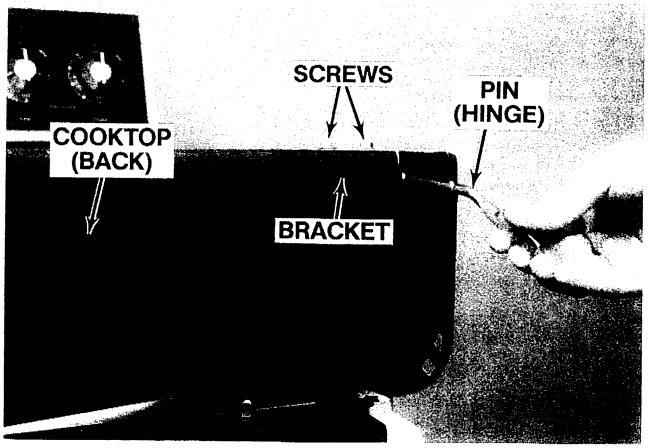
STEP 12 Using a nutdriver, remove the screws holding the right and left brackets to the edge of the cooktop.

REPLACEMENT



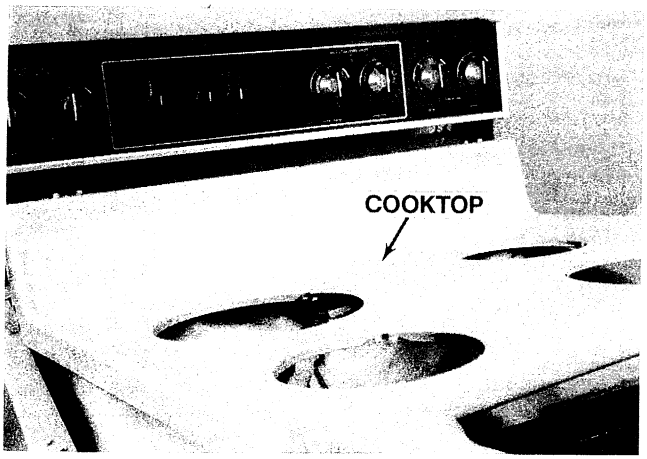
STEP 13 Place the right and left brackets under the top edge of the cooktop.

STEP 14 Using a nutdriver, insert the screws through the edge of the cooktop into the brackets and tighten.



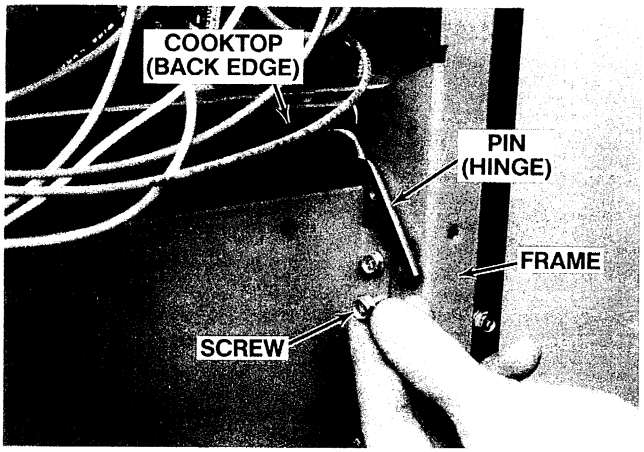
STEP 15 Place the right and left pins (hinges) into the brackets.

STEP 16 Have someone help you lift the pins (hinges while you replace the cooktop).



STEP 17 Tilt the top edge of the cooktop under the console.

STEP 18 Carefully lower the cooktop.



STEP 19 Using a socket wrench, insert the screws through the right and left pins (hinges), into the side of the frame and tighten.

STEP 20 Using a nutdriver, insert the screw through the wire strain relief, into the edge of the cooktop and tighten (if mounted there).

STEP 21 Using a nutdriver, insert the screw through the green ground wires, into the edge of the cooktop and tighten (if mounted there).

STEP 22 Replace the back or rear cover *(section J, proc. 1; Type C, CAUTIONS plus steps 4 & 5).*

STEP 23 Replace the controls if they were mounted to the front of the cooktop.

STEP 24 Replace the receptacles *(section K, proc. 3, step 16).*

STEP 25 Replace the reflector bowls and adapter rings *(section K, proc. 2, steps 5 & 6).*

STEP 26 Replace the surface units (element) *(section K, proc. 1, steps 9 & 10).*

STEP 27 Reconnect the electrical power supply. See section B for the proper reconnection.

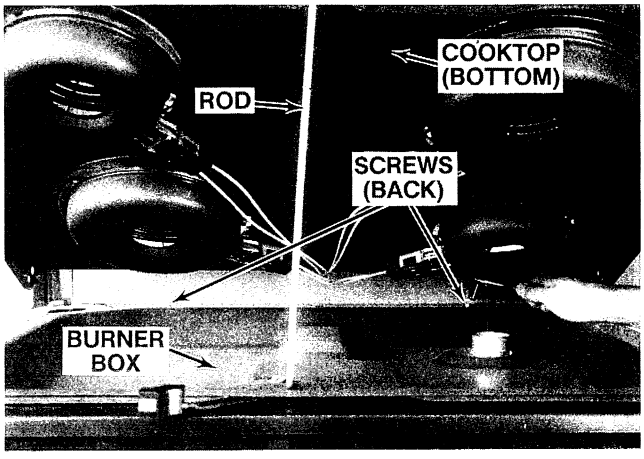
PROCEDURE 7
Burner Box Replacement

See page 187, illus. no. 7 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

STEP 1 Disconnect the electrical power supply *(section B).*

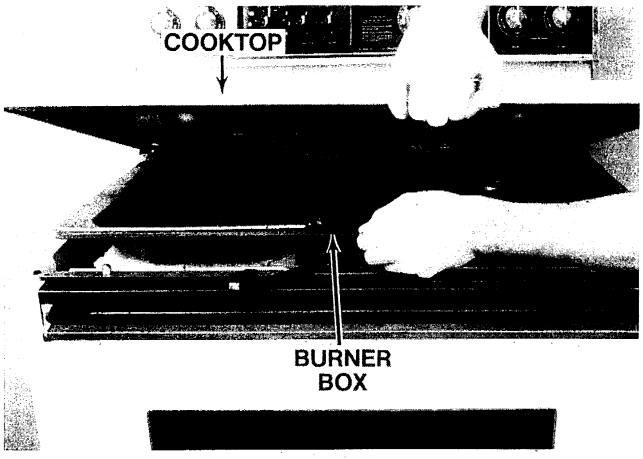
STEP 2 Raise the cooktop *(section K, proc. 4, steps 2 & 3.).*



STEP 3 Using a socket wrench remove the screws holding the burner box to the frame.

STEP 4 Hold onto the cooktop.

STEP 5 Lower the rod.



STEP 6 Carefully lift the burner box off the frame.

NOTE: The burner box fits over the oven vent.

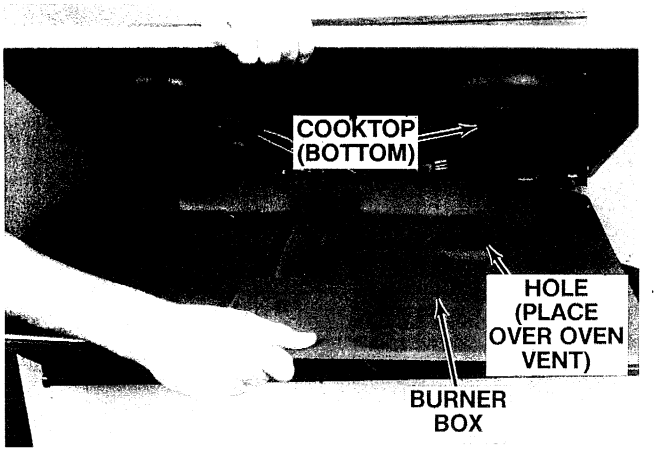
STEP 7 Carefully lower the cooktop.

STEP 8 Remove the cooktop rod *(section K, proc. 5, steps 5 & 6).*

REPLACEMENT

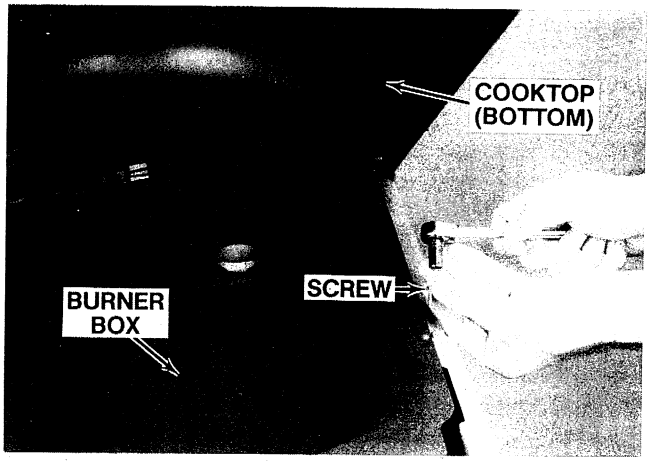
STEP 9 Replace the cooktop rod *(section K, proc. 5, steps 7-10).*

STEP 10 Carefully lift the cooktop and hold onto it.



STEP 11 Place the burner box on the frame with the back right hole over the oven vent.

STEP 12 Raise the rod to hold the cooktop.



STEP 13 Using a socket wrench insert the screws through the burner box, into the frame and tighten.

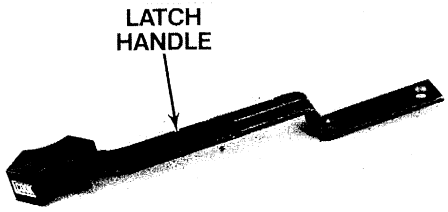
CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 14 Lower the cooktop *(section K, proc. 4, steps 4 & 5).*

STEP 15 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 8
Latch Handle Replacement



See page 187, illus. no. 5 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is screwed to the latch which is located under the cooktop and burner box. The handle sticks out the front frame so you can lock the oven door during the cleaning cycle.

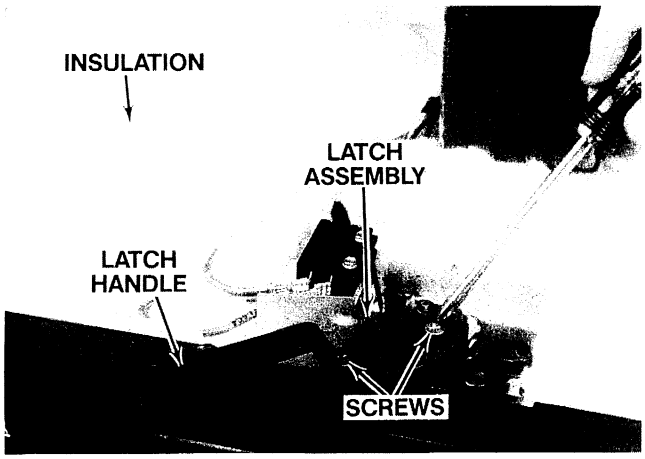
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Raise the cooktop *(section K, proc. 4, steps 2 & 3).*

STEP 3 Remove the burner box *(section K, proc. 7, steps 3-6).*

STEP 4 Place a block of wood about 8 inches long, under the cooktop and on top of the insulation.

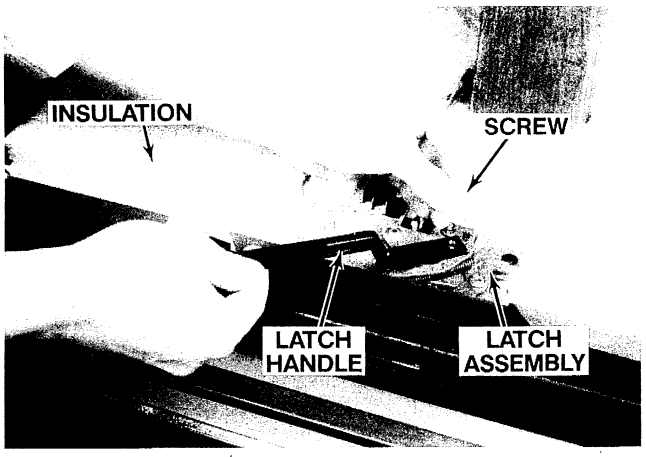
STEP 5 Carefully lower the cooktop down on the block of wood.



STEP 6 Using a screwdriver, remove the screws holding the handle to the latch.

REPLACEMENT

STEP 7 Place the handle on the latch.



STEP 8 Using a screwdriver, insert the screws through the handle into the latch and tighten.

STEP 9 Hold onto the cooktop while removing the block of wood.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

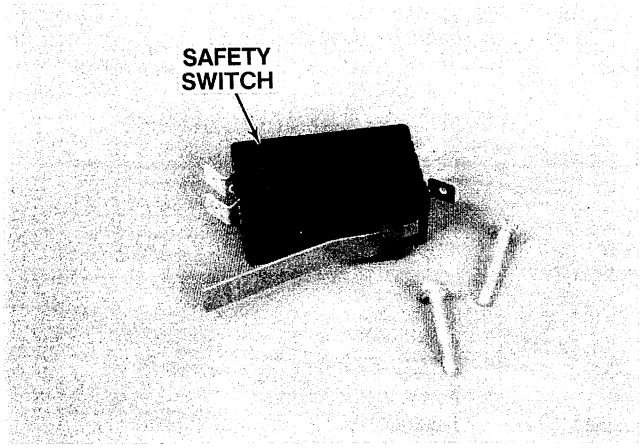
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 10 Replace the burner box *(section K, proc. 7, steps 11-13).*

STEP 11 Lower the cooktop *(section K, proc. 4, steps 4 & 5).*

STEP 12 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 9
Safety Switch Testing and/or Replacement



See page 187, illus. no. 2 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located under the cooktop and burner box. Its function is to control the clean indicator light and the bake and broil elements.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Raise the cooktop *(section K, proc. 4, steps 2 & 3).*

STEP 3 Remove the burner box *(section K, proc. 7, steps 3-6).*

STEP 4 Place a block of wood about 8 inches long under the cooktop and on top of the insulation.

STEP 5 Carefully lower the cooktop down on the block of wood.

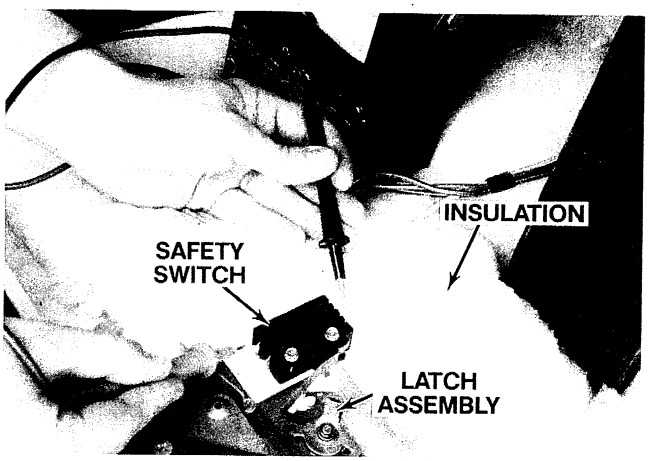
TESTING

STEP 6 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the safety switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 7 You must know how to use an ohmmeter.

STEP 8 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

Handle in Unlock Position



STEP 9 Touch one ohmmeter probe to terminal 1 (COM).

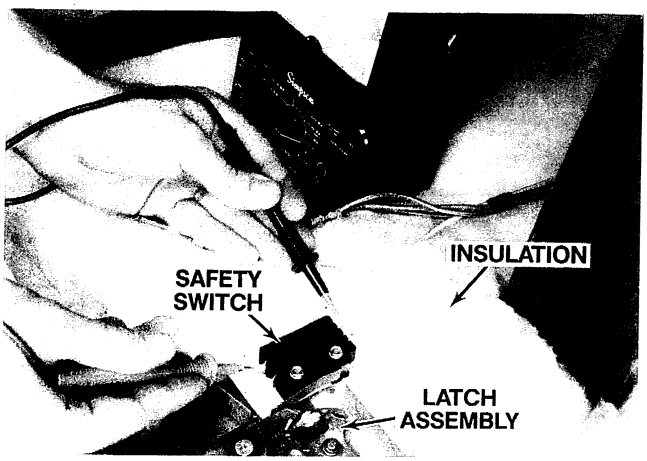
STEP 10 Touch the other ohmmeter probe to terminal 3 (NC).

STEP 11 The ohmmeter should show ZERO resistance (continuity). If not, the safety switch is bad and needs replacing.

STEP 12 Leave the ohmmeter probe on terminal 1. Touch the other ohmmeter probe to the rest of the terminals (not 3). They should show an open circuit; if not, the safety switch is bad and needs replacing.

Handle in Lock Position

STEP 13 Slide the latch handle over to the locked position.

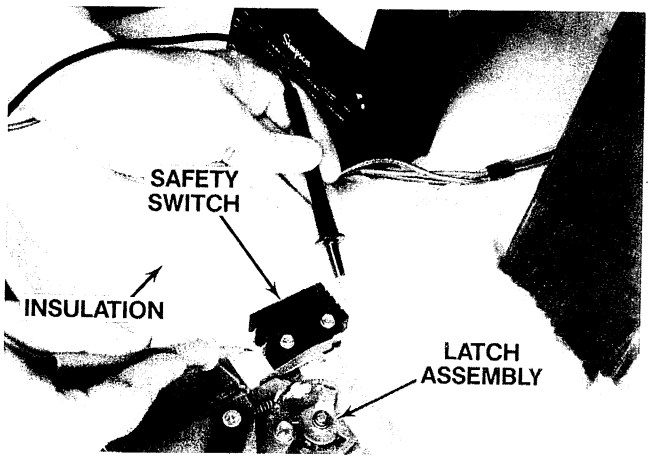


STEP 14 Touch one ohmmeter probe to terminal 1 (COM).

STEP 15 Touch the other ohmmeter probe to terminal 2 (NO).

STEP 16 The ohmmeter should show ZERO resistance (continuity). If not, the safety swtich is bad and needs replacing.

STEP 17 Leave the ohmmeter probe on terminal 1. Touch the other ohmmeter probe to the rest of the terminals (not 2). They should show an open circuit; if not, the safety switch is bad and needs replacing.



STEP 18 Touch one ohmmeter probe to terminal 4 (COM).

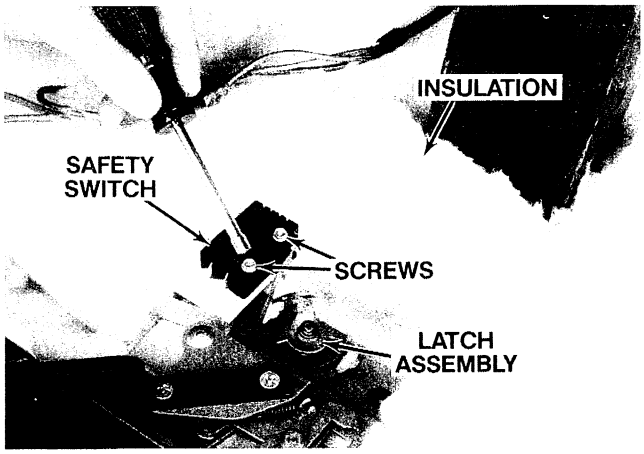
STEP 19 Touch the other ohmmeter probe to terminal 5 (NO).

STEP 20 The ohmmeter should show ZERO resistance (continuity). If not, the safety switch is bad and needs replacing.

STEP 21 Leave the ohmmeter probe on terminal 1. Touch the other ohmmeter probe to the rest of the terminals (not 5). They should show an open circuit; if not, the safety switch is bad and needs replacing.

REPLACEMENT

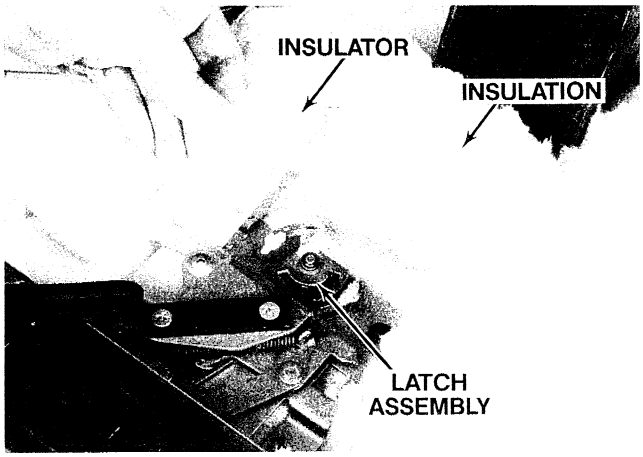
STEP 22 Slide the latch handle back to the unlock position.



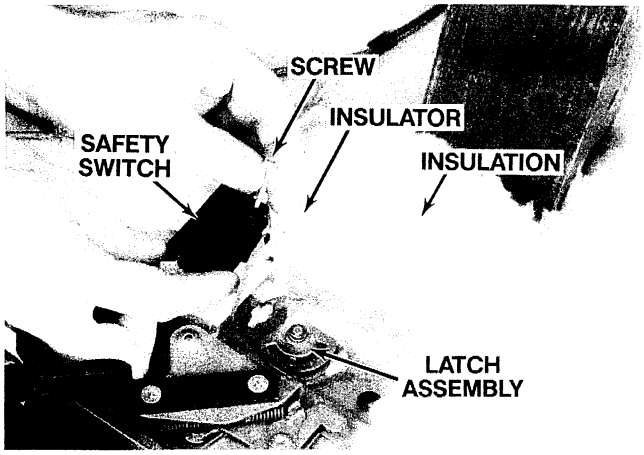
STEP 23 Using a nutdriver or screwdriver, remove the screws holding the safety switch to the latch.

STEP 24 Carefully remove the switch.

CAUTION: There will be a paper insulator between the switch and latch, we will use this later.



STEP 25 Place the paper insulator on the latch lining up the screw holes.



STEP 26 Place the safety switch on top of the paper insulator with the switch arm toward the center of the latch.

STEP 27 Using a screwdriver or nutdriver, insert the screws through the switch, insulator into the latch bracket tighten.

STEP 28 Reconnect the wires to the proper terminals as previously marked.

STEP 29 Hold onto the cooktop while removing the block of wood.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

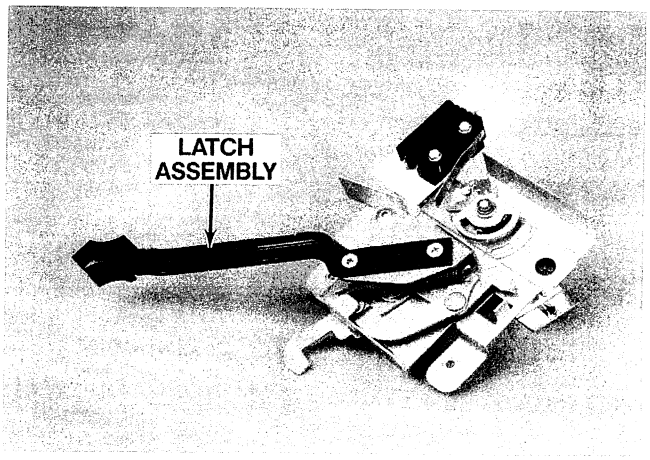
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 30 Replace the burner box *(section K, proc. 7, steps 11-13).*

STEP 31 Lower the cooktop *(section K, proc. 4, steps 4 & 5).*

STEP 32 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 10
Latch Assembly Replacement



See page 187, illus. no. 1 for location of part.

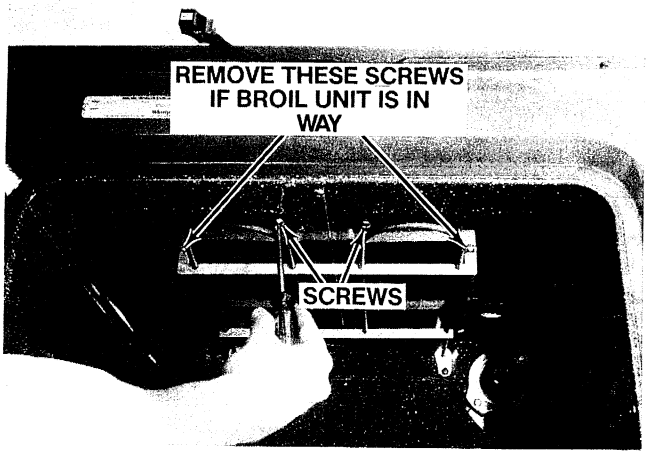
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located under the cooktop and burner box. This complete assembly keeps the oven door locked while in the cleaning cycle.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Open the oven door.

STEP 3 Using a screwdriver, remove the front screws holding the upper broil unit only if the broil unit is in the way of the latch mounting screws.



STEP 4 Using a screwdriver, remove the screws in the inside, upper front of the oven holding the latch assembly.

STEP 5 Close the oven door.

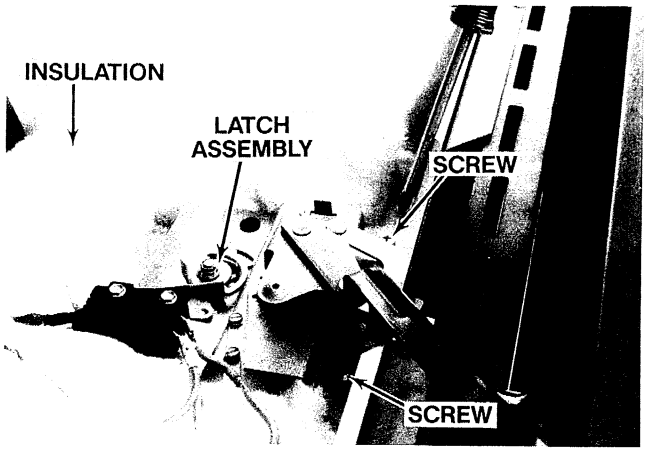
STEP 6 Raise the cooktop *(section K, proc. 4, steps 2 & 3).*

STEP 7 Remove the burner box *(section K, proc. 7, steps 3-6).*

STEP 8 Place a block of wood about 8 inches long under the cooktop and on top of the insulation.

STEP 9 Carefully lower the cooktop down on the block of wood.

STEP 10 Move the insulation away from the latch if its in the way.



STEP 11 Using a screwdriver, remove the two screws holding the latch to the front frame.

STEP 12 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the safety switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 13 Carefully remove the latch assembly.

STEP 14 Remove the latch handle *(section K, proc. 8, step 6).*

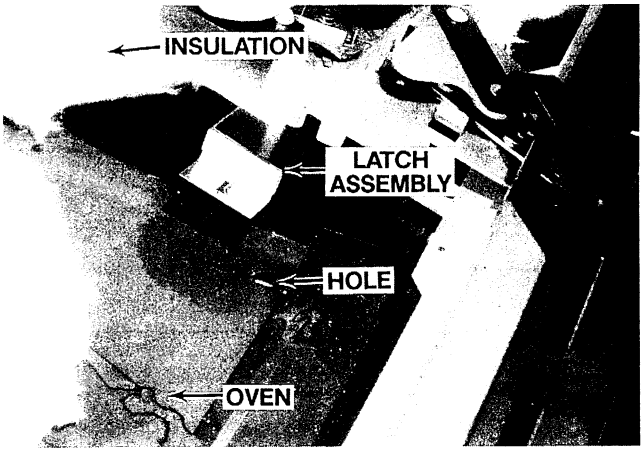
STEP 15 Remove the safety switch *(section K, proc. 9, steps 23 & 24).*

REPLACEMENT

STEP 16 Replace the safety switch *(section K, proc. 9, steps 25-28).*

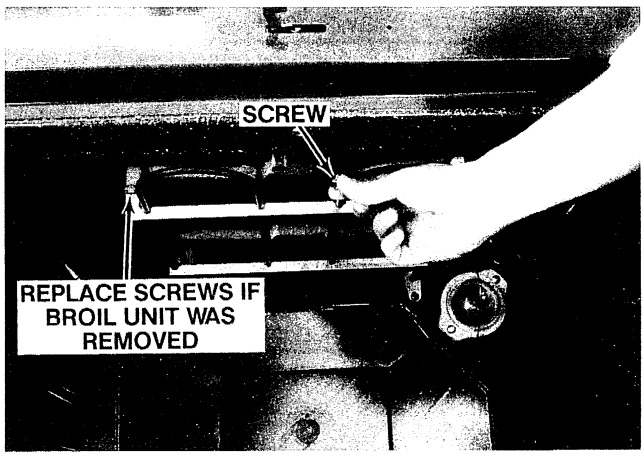
STEP 17 Replace the latch handle *(section K, proc. 8, steps 7 & 8).*

CAUTION: When installing the latch assembly, make sure the insulation is pulled back far enough so the protective metal box rests on the oven liner. Any insulation between the liner and protective box will cause the temperature to change causing the door to lock and unlock at the wrong times.



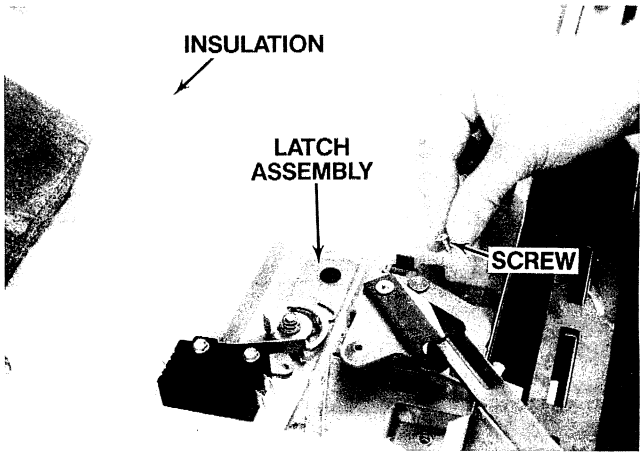
STEP 18 Carefully place the latch on the oven.

STEP 19 Open the oven door.



STEP 20 Using a screwdriver, insert the screws through the inside top of the oven, into the bracket on the latch and tighten.

STEP 21 Close the door.



STEP 22 Using a screwdriver, insert the two screws through the latch, into the front frame and tighten.

STEP 23 Reconnect the wires to the proper terminals as previously marked.

STEP 24 Move the insulation back to the latch.

STEP 25 Hold onto the cooktop while removing the block of wood.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 26 Replace the burner box *(section K, proc. 7, steps 11-13).*

STEP 27 Lower the cooktop *(section K, proc. 4, steps 4 & 5).*

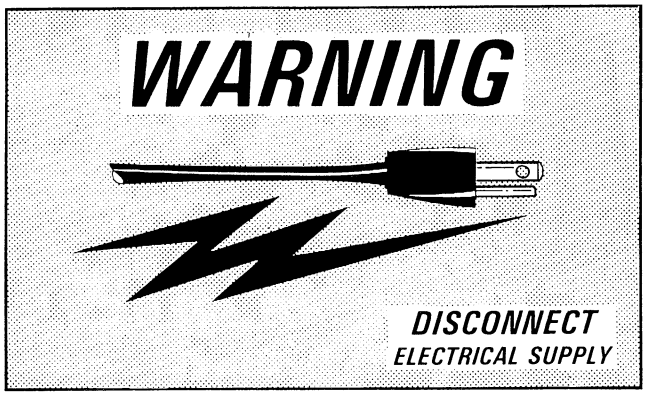
STEP 28 Reconnect the electrical power supply. See section B for the proper reconnection.

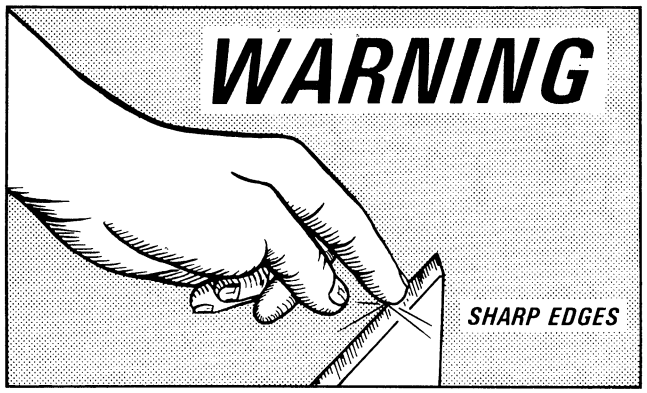
NOTES

SECTION L

Oven Area

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.

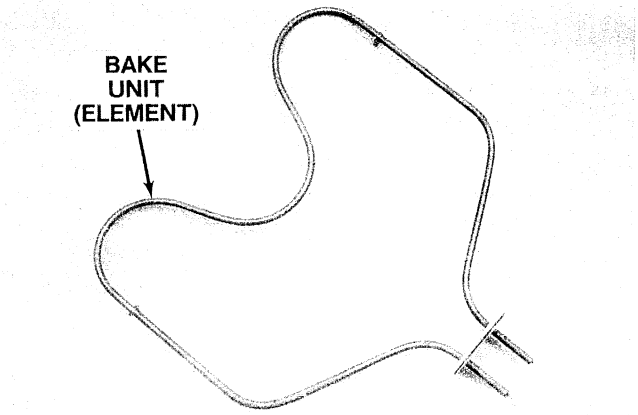




WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

PROCEDURE 1
Bake Unit (Element) Testing and/or Replacement



See page 175, illus. no. 2, page 180, illus. no. 22, page 182, illus. no. 24 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

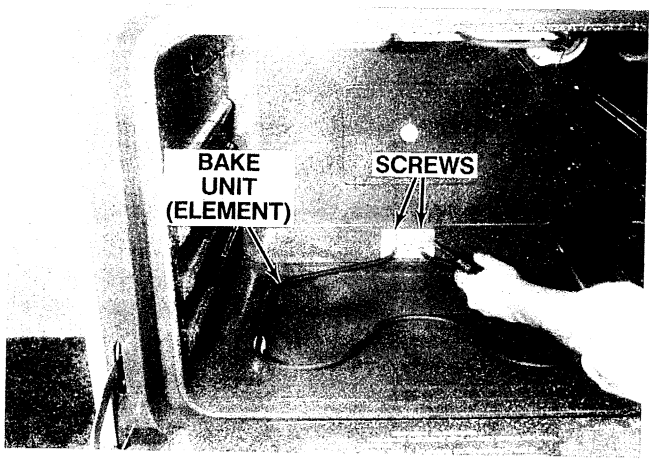
This part is located in the bottom of the oven and is used to cook foods.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BAKE UNIT (ELEMENT) MAKE SURE IT WAS NOT JUST TURNED ON OR OFF. IF IT IS WARM OR HOT, LET IT COOL DOWN.

STEP 2 Open the oven door.

STEP 3 Remove the racks.



STEP 4 Using a screwdriver, remove the screws holding the bake unit (element) to the side or back of the oven.

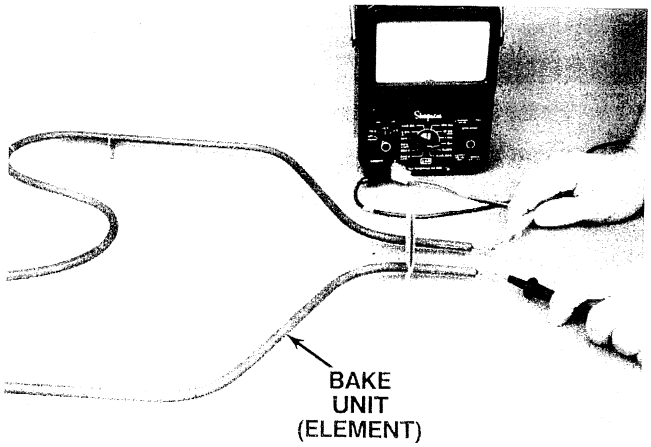
STEP 5 Carefully pull the bake unit (element) out of the hole so you can see the wires.

TESTING

STEP 6 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the bake unit (element). This procedure should assure that the right wire is reconnected to the right terminal.

STEP 7 You must know how to use an ohmmeter.

STEP 8 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 10-40 ohms. Set the ohms scale and ZERO the meter.



STEP 9 Touch one ohmmeter probe to one of the terminals on the bake unit (element).

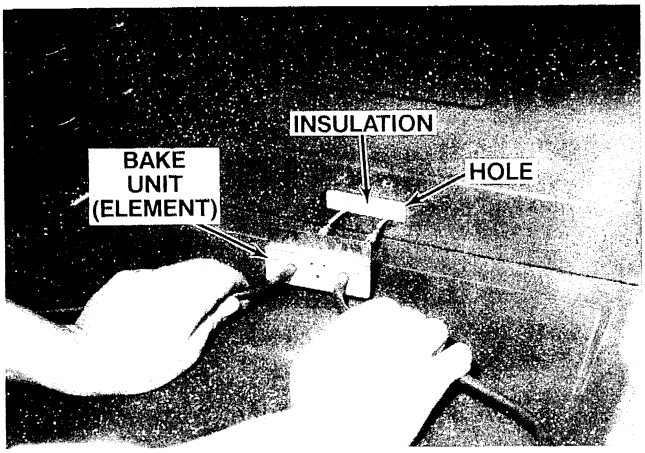
STEP 10 Touch the other ohmmeter probe to the other terminal on the bake unit (element)

STEP 11 The ohmmeter should show between 10-40 ohms on the ohms scale. If not, the bake unit (element) is bad and needs replacing.

REPLACEMENT

STEP 12 Reconnect the wires to the proper terminals as previously marked.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.



STEP 13 Carefully push the bake unit (element) back through the hole in the oven.

STEP 14 Using a screwdriver, insert the screws through the bake unit (element) bracket into the side or back of the oven and tighten.

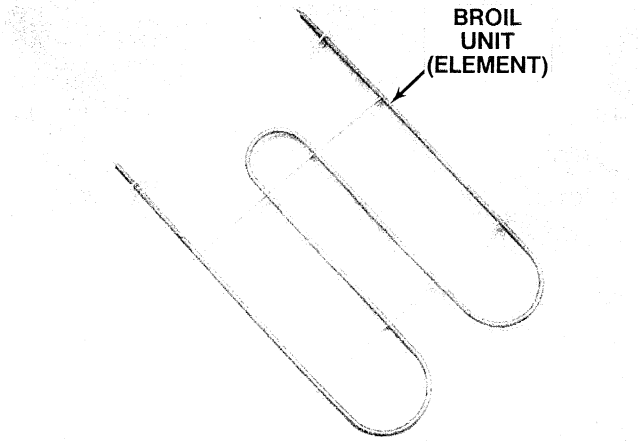
CAUTION: The bake unit legs must be touching the bottom of the oven for proper baking.

STEP 15 Replace the racks.

STEP 16 Close the oven door.

STEP 17 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 2
Broil Unit (Element) Testing and/or Replacement



See page 175, illus. no. 1, page 180, illus. no. 23, page 182, illus. no. 25 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

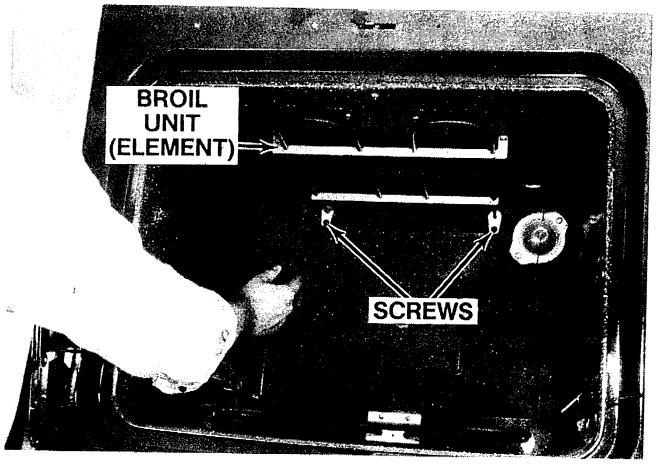
This part is located in the top of the oven and is used to broil foods.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BROIL UNIT (ELEMENT) MAKE SURE IT WAS NOT JUST TURNED ON OR OFF. IF IT IS WARM OR HOT, LET IT COOL DOWN.

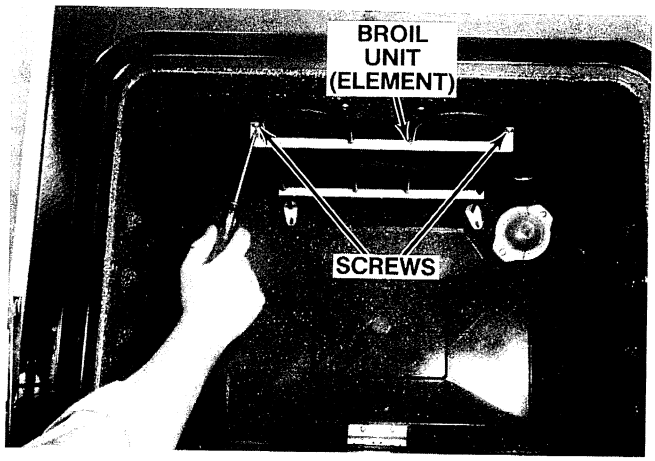
STEP 2 Open the oven door.

STEP 3 Remove the racks.



STEP 4 Using a screwdriver, remove the screws holding the broil unit (element) to the side or back of the oven.

CAUTION: Hold onto the broil unit (element) when removing the top screws otherwise it will fall.



STEP 5 Using a screwdriver, remove the screws holding the broil unit (element) to the top of the oven.

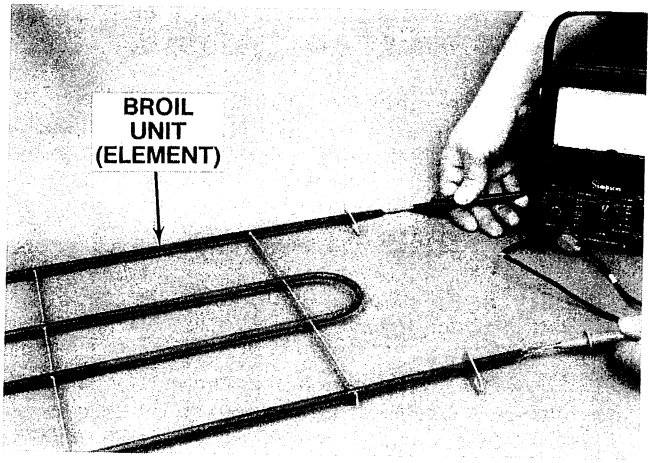
STEP 6 Carefully pull the broil unit (element) out of the holes so you can see the wires.

TESTING

STEP 7 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the broil unit (element). This procedure should assure that the right wire is reconnected to the right terminal.

STEP 8 You must know how to use an ohmmeter.

STEP 9 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 10-40 ohms. Set the ohms scale and ZERO the meter.



STEP 10 Touch one ohmmeter probe to one of the terminals on the boil unit (element).

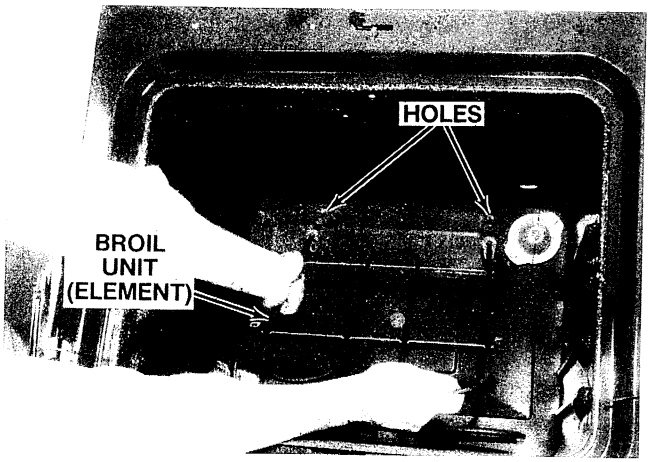
STEP 11 Touch the other ohmmeter probe to the other terminal on the boil unit (element).

STEP 12 The ohmmeter should show between 10-40 ohms on the ohms scale. If not, the broil unit (element) is bad and needs replacing.

REPLACEMENT

STEP 13 Reconnect the wires to the proper terminals as previously marked.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.



STEP 14 Carefully push the broil unit (element) back through the holes in the oven.

STEP 15 Using a screwdriver, insert the screws through the bracket on the broil unit (element) into the top of the oven and tighten.

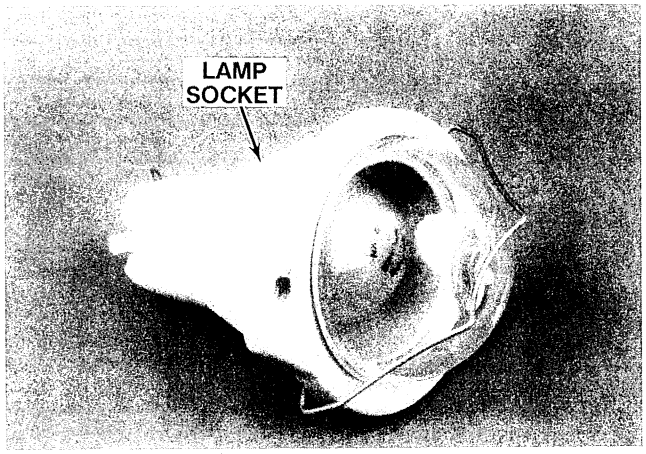
STEP 16 Using a screwdriver, insert the screws through the broil unit (element) bracket into the side or back of the oven and tighten.

STEP 17 Replace the racks.

STEP 18 Close the oven door.

STEP 19 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 3
Lamp Socket and Parts Testing and/or Replacement



See page 178, illus. no.'s 10, 11, 12, 13, page 180, illus. no.'s 24, 25, 26, 27, page 182, illus. no.'s 27, 28 for location of parts.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

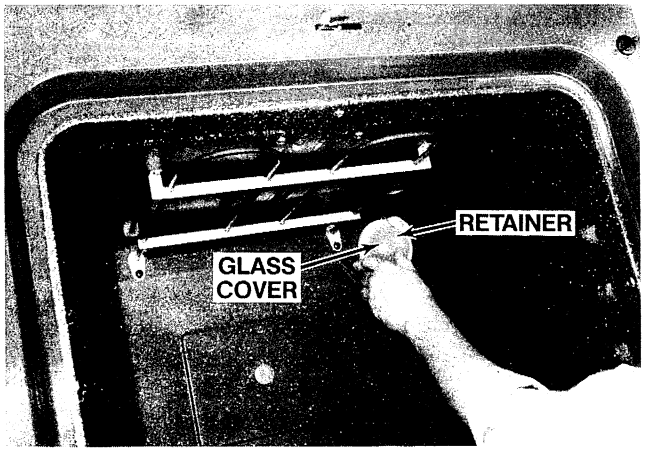
OHMMETER REQUIRED

These parts are located in the upper back, right hand corner. When the door is opened the light comes on and lights up the oven.

STEP 1 Disconnect the electrical power supply *(section B).*

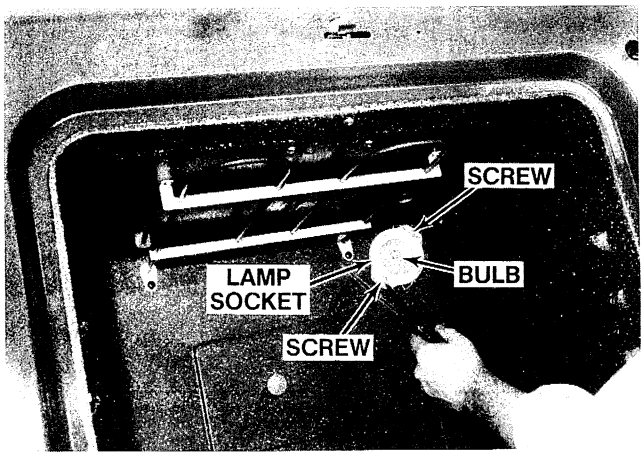
STEP 2 Open the oven door.

CAUTION: Hold onto the glass cover (if used) as this will fall when the retainer is moved.



STEP 3 Push the light retainer off the glass cover (if used).

STEP 4 Carefully remove the glass cover (if used).



STEP 5 Using a screwdriver, remove the screws holding the lamp socket to the back of the oven.

STEP 6 Carefully pull the lamp socket out of the hole in the oven along with the wires.

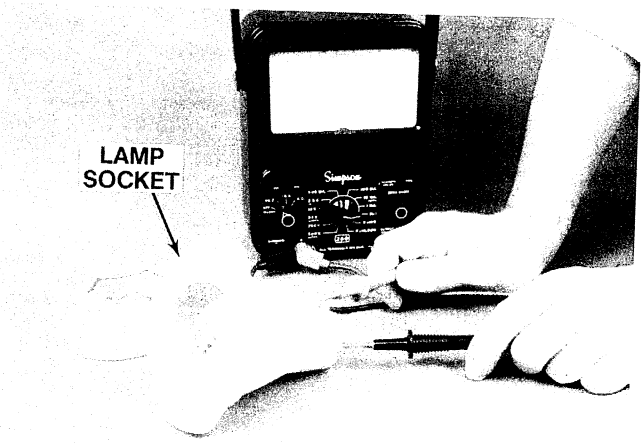
TESTING

STEP 7 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the lamp socket. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 8 You must know how to use an ohmmeter.

STEP 9 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 20-60 ohms. Set the ohms scale and ZERO the meter.

STEP 10 Your bulb must be good for this test. Keep the bulb in the socket.



STEP 11 Touch one ohmmeter probe to one of the terminals on the socket.

STEP 12 Touch the other ohmmeter probe to the other terminal.

STEP 13 The ohmmeter should show between 20-60 ohms on the ohms scale. If not, the socket is bad and needs replacing.

REPLACEMENT

STEP 14 Screw the appliance bulb into the lamp socket.

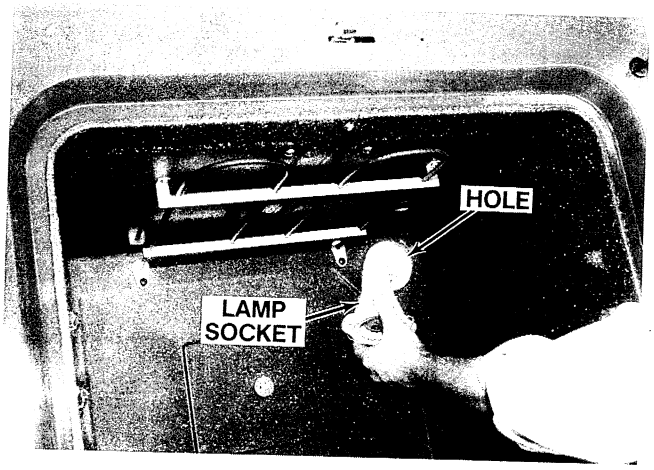
STEP 15 Place the ends of the retainer (if used) in each groove in the back of the lamp socket.

STEP 16 Place the glass cover (if used) on the front of the lamp socket.

STEP 17 Push the retainer (if used) over the glass cover (if used) to lock the cover in place.

STEP 18 Reconnect the wires to the proper terminals as previously marked.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.



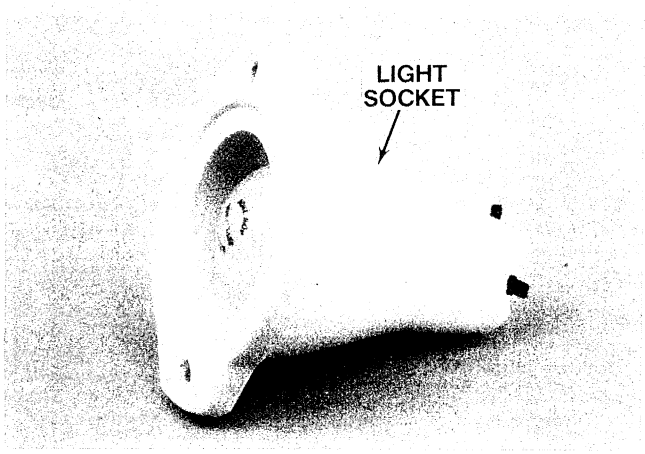
STEP 19 Carefully push the lamp socket through the hole in the back of the oven.

STEP 20 Using a screwdriver, insert the screws through the lamp socket into the oven and tighten.

STEP 21 Close the oven door.

STEP 22 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 4
Light Socket Testing and/or Replacement (Eye Level)



See page 176, illus. no. 17 for location of part.

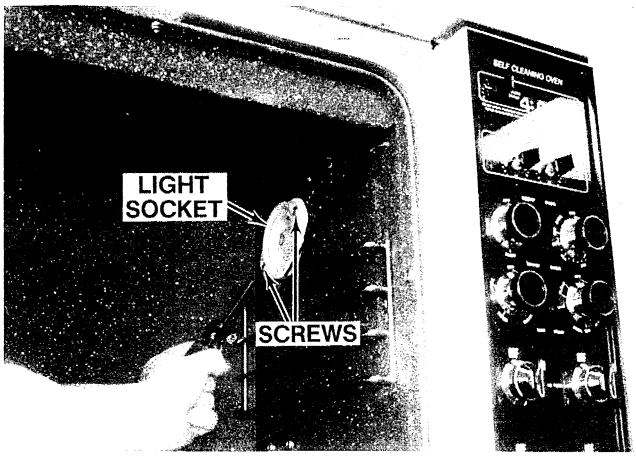
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located on the right side of the upper oven (inside). The light bulb is screwed into this part and gives light to the upper oven when the switch is turned on.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Open the oven door and remove the racks.



STEP 3 Using a screwdriver, remove the screws holding the light socket to the side of the oven.

STEP 4 Carefully pull the light socket through the insulation and oven.

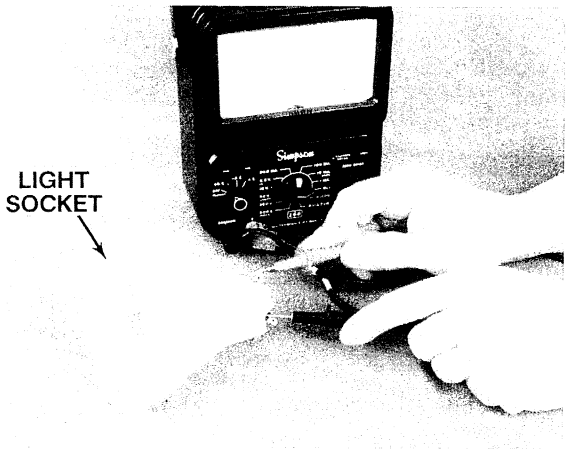
TESTING

STEP 5 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the light socket. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 6 You must know how to use an ohmmeter.

STEP 7 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 25-50 ohms. Set the ohms scale and ZERO the meter.

STEP 8 Your bulb must be good for this test. Keep the bulb in the socket.



STEP 9 Touch one ohmmeter probe to one of the terminals on the socket.

STEP 10 Touch the other ohmmeter probe to the other terminal.

STEP 11 The ohmmeter should show between 25-50 ohms on the ohms scale.

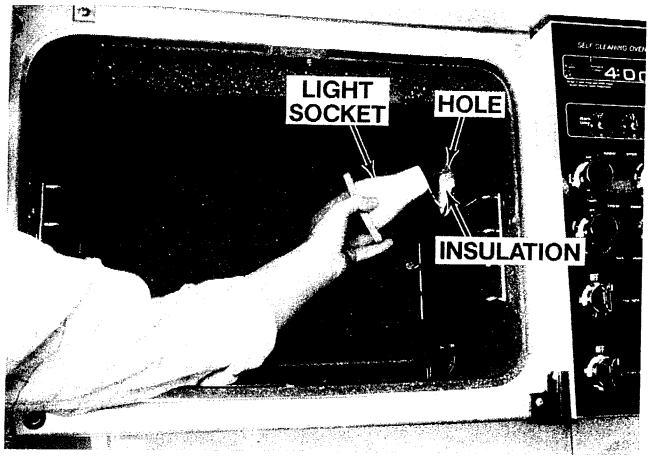
STEP 12 If you do not get this reading, the lamp socket is bad and needs replacement.

REPLACEMENT

STEP 13 Screw the appliance bulb into the light socket.

STEP 14 Reconnect the wires to the proper terminals as previously marked.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.



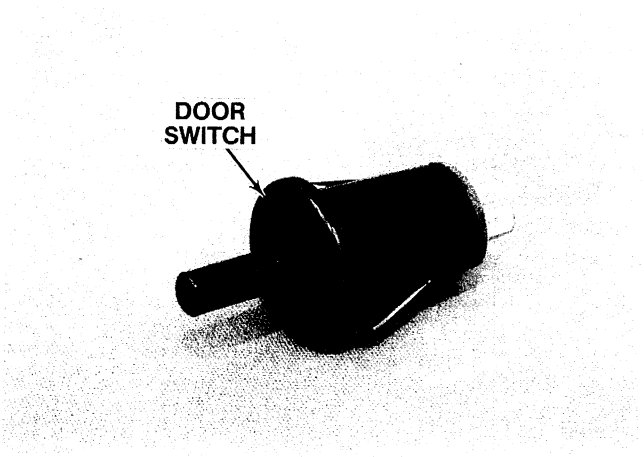
STEP 15 Carefully push the light socket through the hole in the side of the oven and insulation.

STEP 16 Using a screwdriver, insert the screws through the light socket into the oven and tighten.

STEP 17 Replace the racks and close the door.

STEP 18 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 5
Door Switch Testing and/or Replacement



See page 178, illus. no. 25, page 180, illus. no. 35, page 182, illus. no. 29 for location of part.

***WARNING:** TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

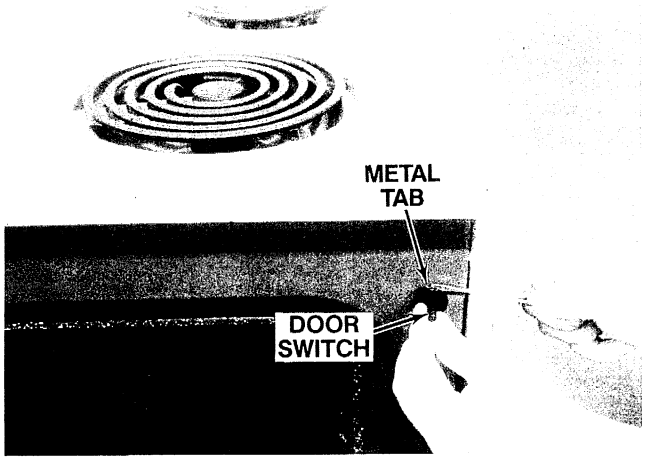
OHMMETER REQUIRED

This part is located in the upper right hand corner behind the oven door. This switch turns the oven light ON when the oven door is opened, or OFF when the oven door is closed.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Open the oven door.

STEP 3 Wiggle the switch back and forth while pulling the switch away from the front frame just a little.



STEP 4 Place a small screwdriver on the metal tab on the side of the switch and push inward.

STEP 5 Pull that side of the switch out of the hole.

STEP 6 Place the small screwdriver on the other side on the metal tab and push inward.

STEP 7 Pull that side of the switch out of the hole.

STEP 8 Keep doing this from side to side until the switch pops out of the front frame.

TESTING

STEP 9 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the door switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 10 You must know how to use an ohmmeter.

STEP 11 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

STEP 12 Touch one ohmmeter probe to one of the terminals on the switch.

STEP 13 Touch the other ohmmeter probe to the other terminal on the switch.

STEP 14 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.

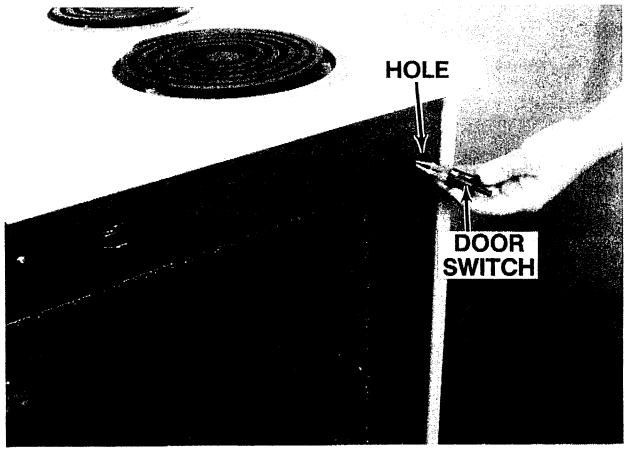
STEP 15 Now push the button in.

STEP 16 The ohmmeter should shown an open circuit with the button in. If not, the switch is bad and needs replacing.

REPLACEMENT

STEP 17 Reconnect the wires to the proper terminals as previously marked.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

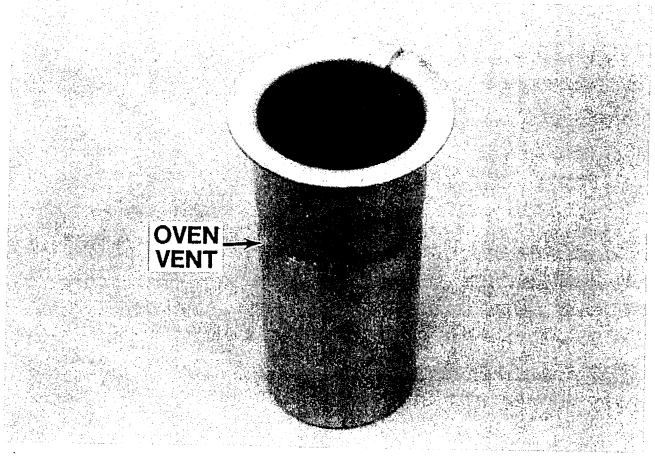


STEP 18 Push the door switch into the hole in the front frame until it snaps into place.

STEP 19 Close the oven door.

STEP 20 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 6
Oven Vent Replacement



See page 178, illus. no. 16 for location of part.

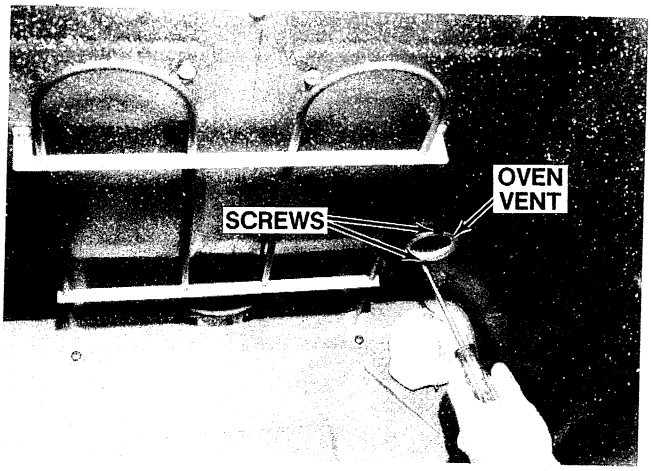
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located in the right hand corner of the oven and sticks up under the right rear burner. Its purpose is to vent heat from the oven when it's turned on.

CAUTION: DO NOT plug or cover the back burner when the oven is on.

STEP 1 Disconnect the electrical power supply *(section B).*

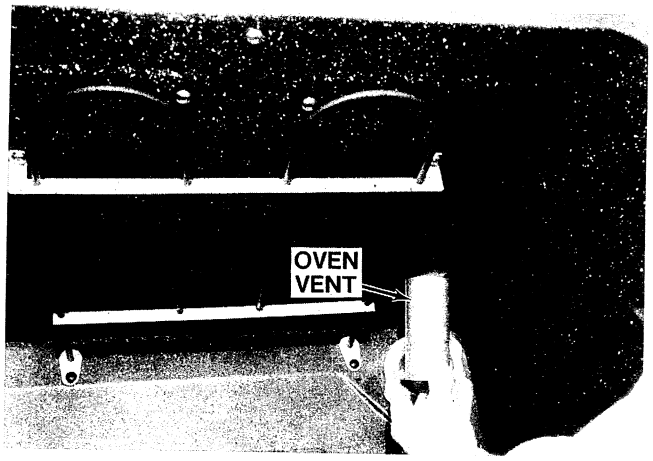
WARNING: BEFORE TOUCHING THE BROIL UNIT (ELEMENT) MAKE SURE IT WAS NOT JUST TURNED ON OR OFF. IF IT IS WARM OR HOT, LET IT COOL DOWN.



STEP 2 Using a screwdriver, remove the screws holding the oven vent to the oven.

STEP 3 Carefully pull the oven vent down to remove.

REPLACEMENT

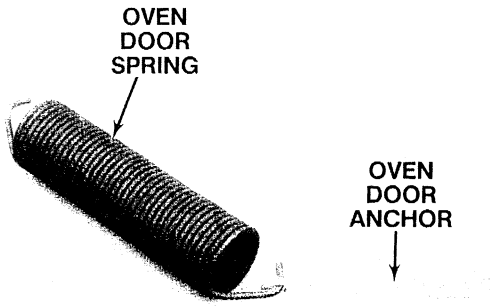


STEP 4 Place the oven vent up through the oven, insulation and burner box.

STEP 5 Using a screwdriver, insert the screws through the vent, into the oven.

STEP 6 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 7
Oven Door Spring and Anchor Replacement



See page 178, illus. no.'s 22, 23, page 180, illus. no.'s 17, 18, page 182, illus. no.'s 19, 20 for location of parts.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

These parts are located on the inside of the cabinet and gives tension to the oven door.

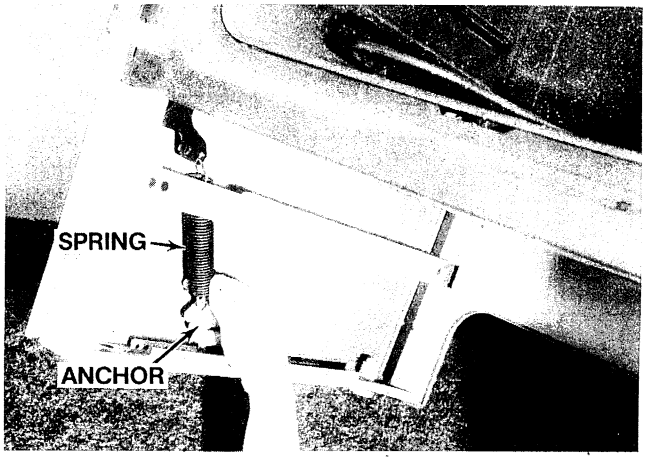
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the utility drawer—if used *(section M, proc. 1, steps 1 & 2).*

STEP 3 On BUILT-IN or SET-IN MODELS, you may have to pull the unit out of the cabinet.

CAUTION: If you do both springs and anchors at the same time, tape the oven door shut.

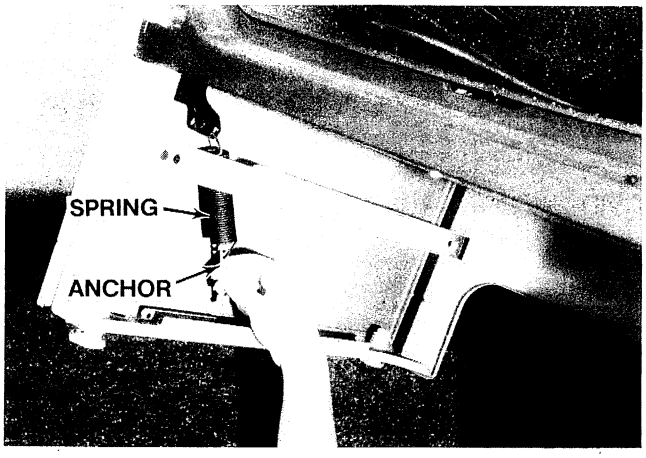
CAUTION: Mark which holes the spring and anchor are in, in the hinge and frame. Both sides must be in the same holes so the oven door tension is the same. This makes the oven door open easier.



STEP 4 Reach in and grab the spring and anchor.

STEP 5 Carefully remove the spring and anchor from the holes.

REPLACEMENT



STEP 6 Place one end of the spring in the hole on the frame or hinge which you had previously marked.

STEP 7 Place the other end of the spring in the hole on the frame or hinge which you had previously marked.

STEP 8 Place the curved end on the anchor in the hole on the frame or hinge which you had previously marked.

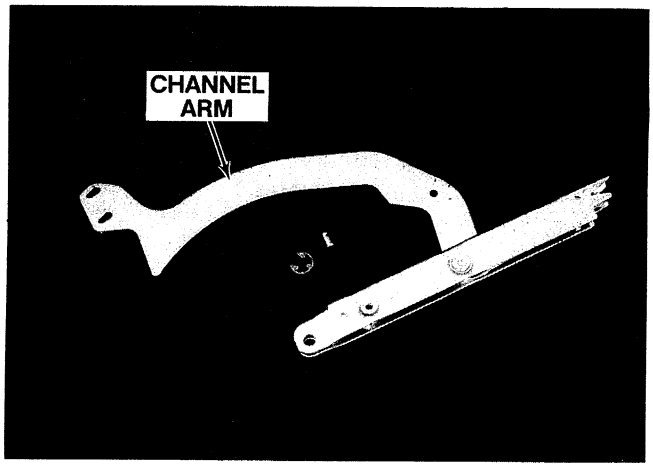
STEP 9 On BUILT-IN or SET-IN MODELS, you may have to push the unit back into the cabinet.

STEP 10 Replace the utility drawer—if used *(section M, proc. 1, steps 17-19).*

STEP 11 Remove the tape from the oven door if you did both springs.

STEP 12 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 8
Channel Arm Replacement



See page 178, illus. no. 19, page 180, illus. no. 14, page 182, illus. no. 15 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located on both sides, going into the bottom of the oven door. It is used with the hinge for opening and closing the oven door.

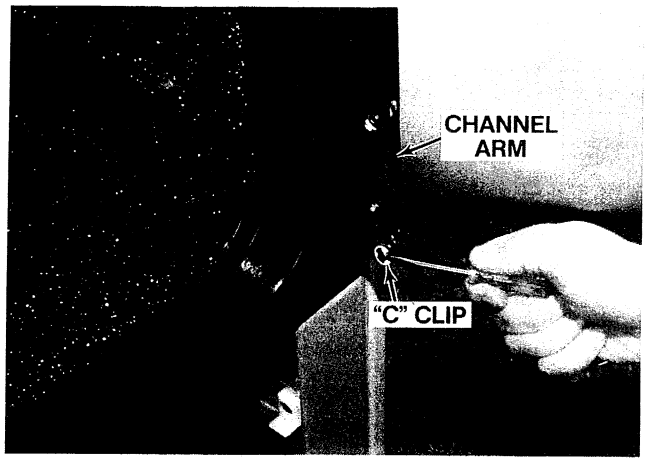
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

STEP 3 Remove the utility drawer—if used *(section M, proc. 1, steps 1 & 2).*

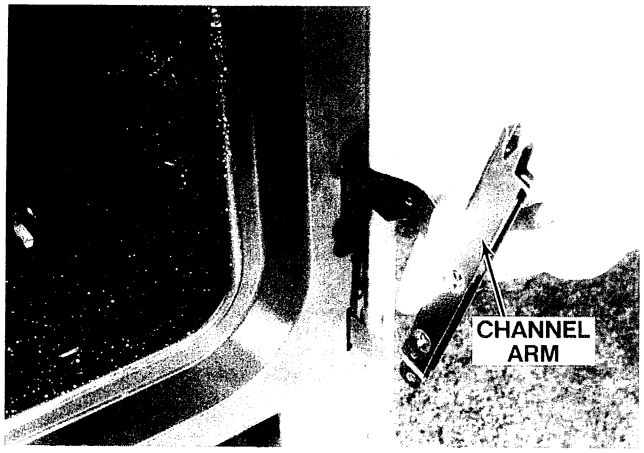
STEP 4 Remove the oven door spring and anchor *(section L, proc. 7, steps 3-5).*

WARNING: PROTECT YOUR EYES IN CASE THE "C" CLIP FLIES OFF THE HINGE PIN.



STEP 5 Using a screwdriver, pry the "C" clip off the hinge pin.

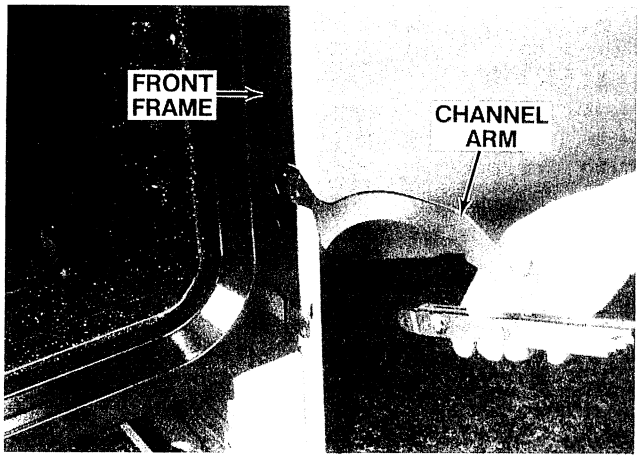
STEP 6 Remove the hinge pin.



STEP 7 Roll the channel arm out of the front frame.

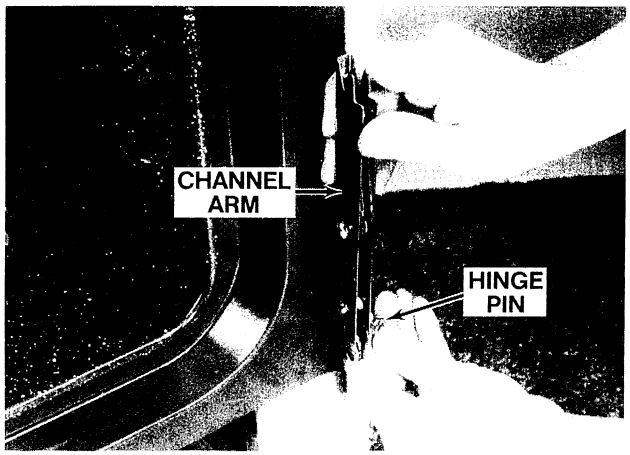
REPLACEMENT

CAUTION: Be sure the curved edge on the channel arm is riding on the pulley on the hinge.



STEP 8 Roll the channel arm in the slot in the front frame.

STEP 9 Place the bottom edge of the channel arm over the edge of the hinge, lining up the screw holes.



STEP 10 Place the hinge pin from the outside through the channel arm and hinge.

STEP 11 Push the "C" clip in the groove on the hinge pin.

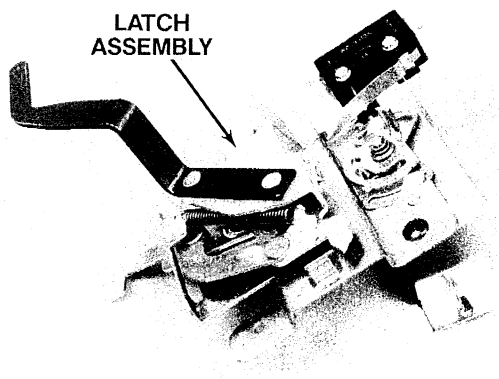
STEP 12 Replace the oven door spring and anchor *(section L, proc. 7, steps 6-9).*

STEP 13 Replace the utility drawer—if used *(section M, proc. 1, steps 17-19).*

STEP 14 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 15 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 9
Latch Assembly Replacement



See page 180, illus. no. 29 for location of part.

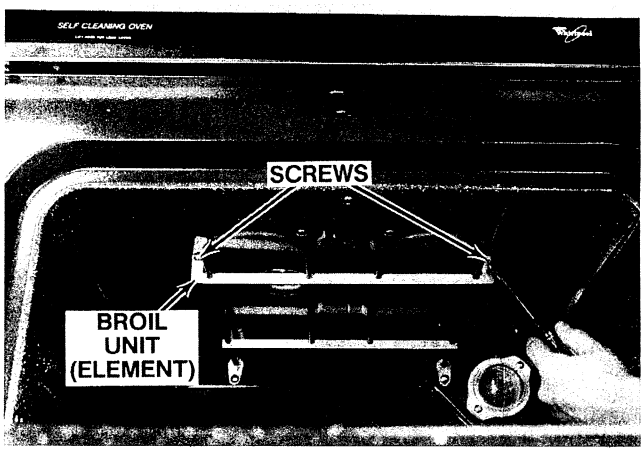
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located behind the console panel on BUILT-IN MODELS. This complete assembly keeps the oven door locked while in the cleaning cycle.

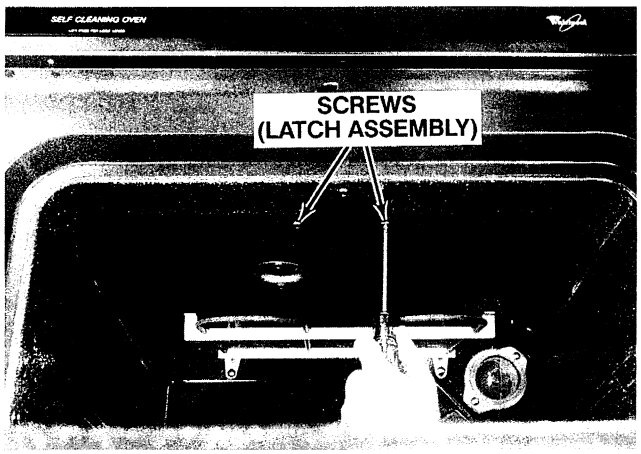
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may have to pull the unit out of the cabinet a little.

STEP 3 Open the oven door.



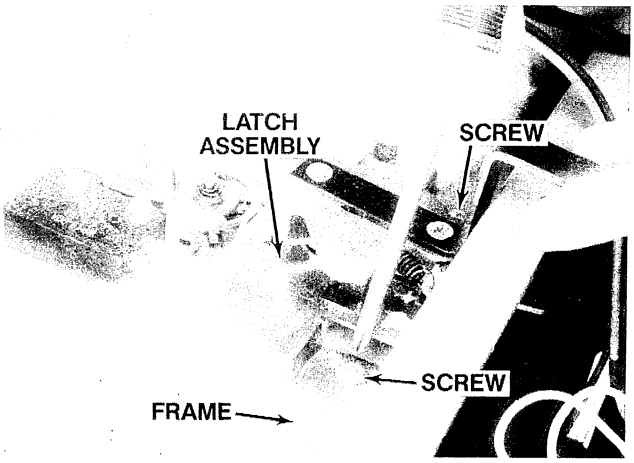
STEP 4 Using a screwdriver, remove the front screws holding the upper broil unit only if the broil unit is in the way of the latch mounting screws.



STEP 5 Using a screwdriver, remove the screws in the inside, upper front of the oven holding the latch assembly.

STEP 6 See how to get at the different control parts *(section J, proc. 1; Type B, steps 3-15).*

STEP 7 Move the insulation away from the latch if it's in the way.



STEP 8 Using a screwdriver, remove the two screws holding the latch to the front frame.

STEP 9 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the safety switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 10 Carefully remove the latch assembly.

STEP 11 Remove the latch handle *(section L, proc. 10, steps 4 & 5).*

STEP 12 Remove the safety switch *(section L, proc. 11, steps 18 & 19).*

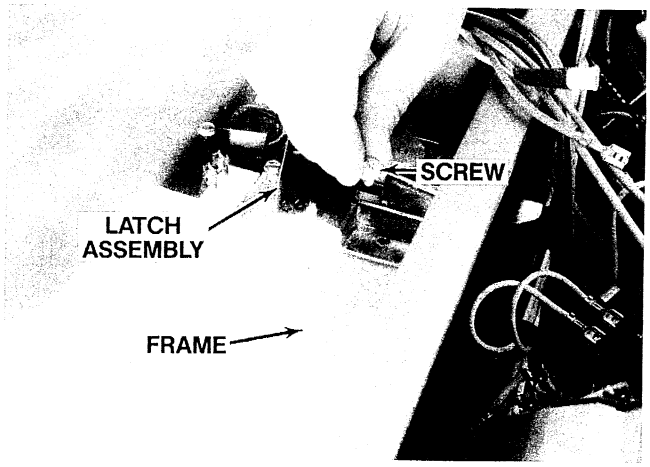
REPLACEMENT

STEP 13 Replace the safety switch *(section L, proc. 11, steps 20-22).*

STEP 14 Replace the latch handle *(section L, proc. 10, steps 6 & 7).*

CAUTION: When installing the latch assembly, make sure the insulation is pulled back far enough so the protective metal box rests on the oven liner. Any insulation between the liner and protective box will cause the temperature to change causing the door to lock and unlock at the wrong times.

STEP 15 Carefully place the latch on the oven, with the handle through the slot in the front frame.



STEP 16 Using a screwdriver, insert the two screws through the latch, into the front frame and tighten.

STEP 17 Reconnect the wires to the proper terminals as previously marked.

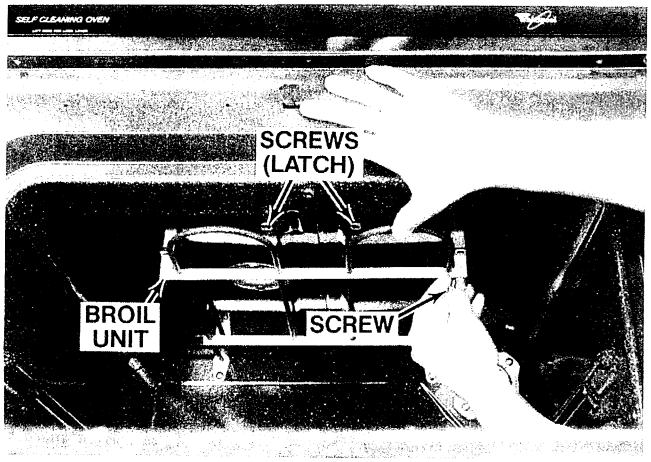
STEP 18 Move the insulation back to the latch.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 19 See how to get at the different control parts *(section J, proc. 1; Type B, steps 16-24).*

STEP 20 Using a screwdriver, insert the screws through the inside top of the oven, into the bracket on the latch and tighten.



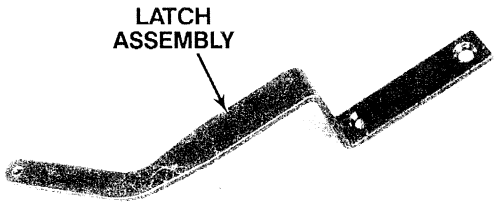
STEP 21 Using a screwdriver, insert the screws holding the upper broil unit to the oven and tighten.

STEP 22 See how to get at the different control parts *(section J, proc. 1; Type B, steps 25-28).*

STEP 23 Push the unit back into the cabinet if it was pulled out.

STEP 24 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 10
Latch Handle Replacement



See page 180, illus. no. 33 for location of part.

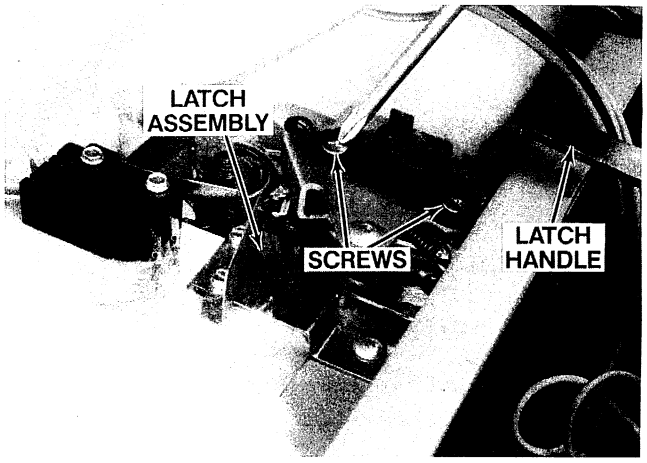
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is screwed to the latch which is located behind the console panel on BUILT-IN MODELS. The handle sticks out the front frame so you can lock the oven door during the cleaning cycle.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may have to pull the unit out of the cabinet a little.

STEP 3 See how to get at the different control parts *(section J, proc. 1; Type B, steps 3-15).*

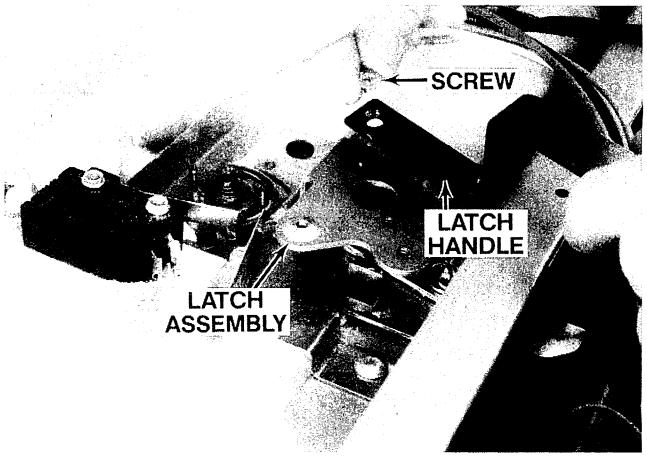


STEP 4 Using a screwdriver, remove the screws holding the handle to the latch.

STEP 5 Carefully remove the handle.

REPLACEMENT

STEP 6 Place the handle on the latch.



STEP 7 Using a screwdriver, insert the screws through the handle into the latch and tighten.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 8 See how to get at the different control parts *(section J, proc. 1; Type B, steps 16-28).*

STEP 9 Push the unit back into the cabinet if it was pulled out.

STEP 10 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 11
Safety Switch Testing and/or Replacement

See page 180, illus. no. 30 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This part is located behind the console panel on BUILT-IN MODELS. Its function is to control the clean indicator light and the bake and broil elements.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may to pull the unit out of the cabinet a little.

STEP 3 See how to get at the different control parts *(section J, proc. 1; Type B, steps 3-15).*

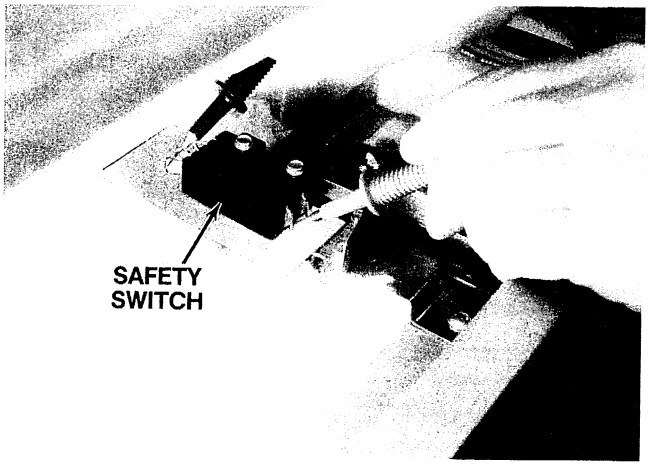
TESTING

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the safety switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 5 You must know how to use an ohmmeter.

STEP 6 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

HANDLE IN UNLOCK POSITION



STEP 7 Touch one ohmmeter probe to terminal 1 (COM).

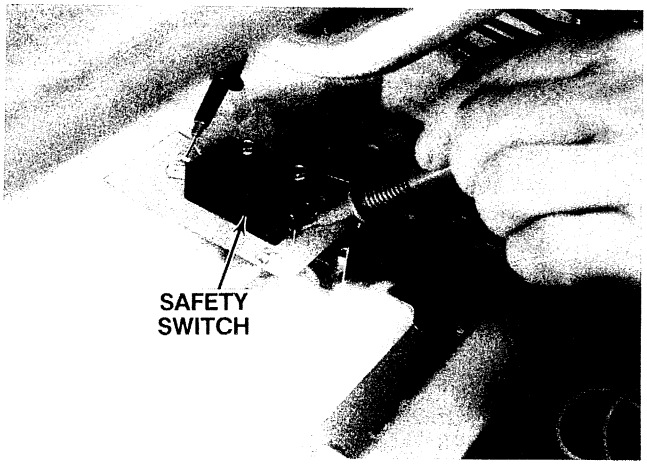
STEP 8 Touch the other ohmmeter probe to terminal 3 (NC).

STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the safety switch is bad and needs replacing.

CAUTION: Leave the ohmmeter probe on terminal 1. Touch the other ohmmeter probe to the rest of the terminals (NOT 3). They should shown an open circuit; if not, the safety switch is bad and needs replacing.

HANDLE IN LOCK POSITION

STEP 10 Slide the latch handle over to the locked position.



STEP 11 Touch one ohmmeter probe to terminal 1 (COM).

STEP 12 Touch the other ohmmeter probe to terminal 2 (NO).

STEP 13 The ohmmeter should show ZERO resistance (continuity). If not, the safety switch is bad and needs replacing.

CAUTION: Leave the ohmmeter probe on terminal 1. Touch the other ohmmeter probe to the rest of the terminals (NOT 2). They should shown an open circuit; if not, the safety switch is bad and needs replacing.

STEP 14 Touch one ohmmeter probe to terminal 4 (COM).

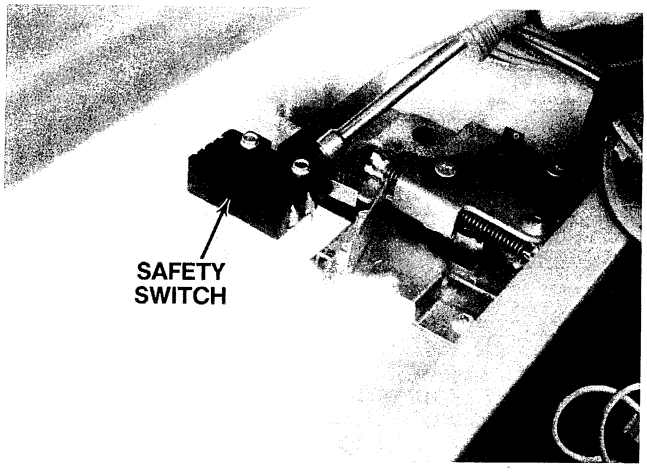
STEP 15 Touch the other ohmmeter probe to terminal 5 (NO).

STEP 16 The ohmmeter should show ZERO resistance (continuity). If not, the safety switch is bad and needs replacing.

CAUTION: Leave the ohmmeter probe on terminal 4. Touch the other ohmmeter probe to the rest of the terminals (NOT 5). They should shown an open circuit; if not, the safety switch is bad and needs replacing.

REPLACEMENT

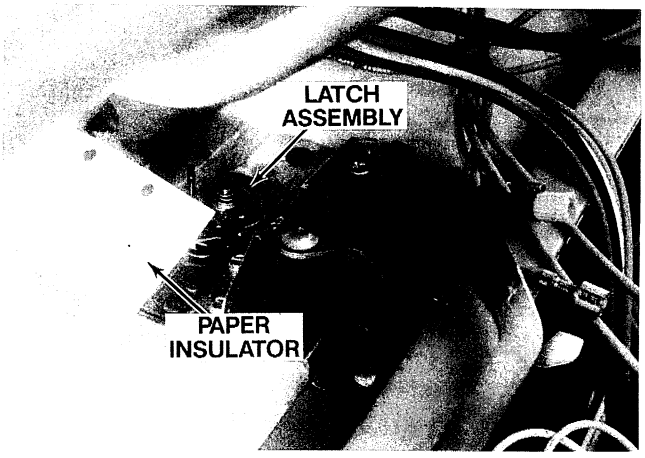
STEP 17 Slide the latch handle back to the unlock position.



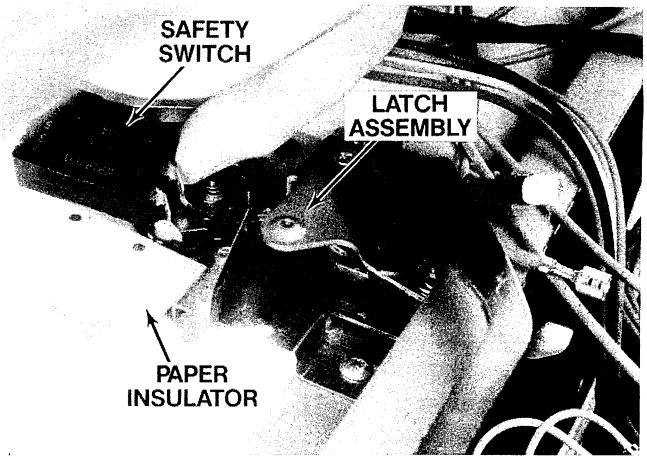
STEP 18 Using a screwdriver or nutdriver, remove the screws holding the safety switch to the latch.

STEP 19 Carefully remove the switch.

CAUTION: There will be a paper insulator between the switch and latch, we will use this later.



STEP 20 Place the paper insulator on the latch lining up the screw holes.



STEP 21 Place the safety switch on top of the paper insulator with the switch arm toward the center of the latch.

STEP 22 Using a screwdriver or nutdriver, insert the screws through the switch, insulator, into the latch bracket and tighten.

STEP 23 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

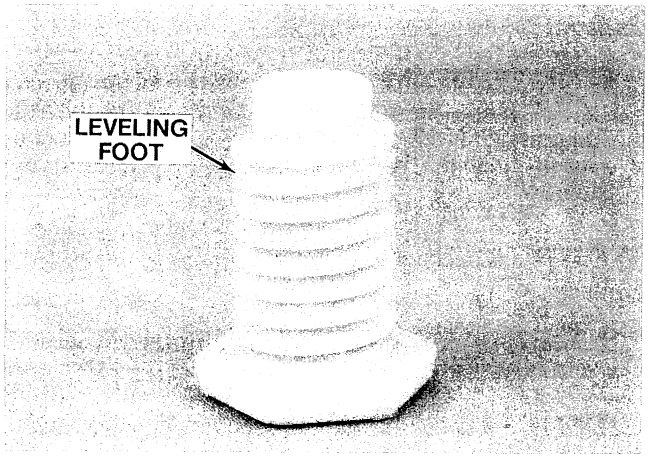
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 24 See how to get at the different control parts *(section J, proc. 1; Type B, steps 16-28).*

STEP 25 Push the unit back into the cabinet if it was pulled out.

STEP 26 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 12
Leveling Feet Replacement



See page 178, illus. no. 3 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

These feet are screwed into the front and rear corners of the electric range.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Place a 4-inch block under the side edge of the cabinet.

STEP 3 Using an open end wrench or pliers, remove the feet.

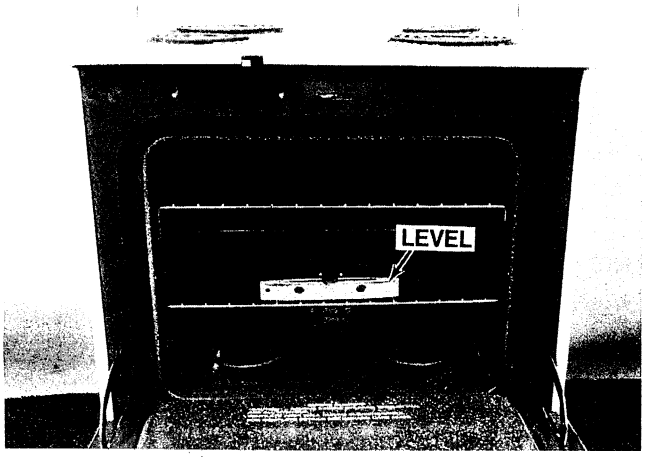
REPLACEMENT

STEP 4 Using an open end wrench or pliers, insert the feet in the corners and turn to the height you want.

STEP 5 Carefully remove the block.

LEVELING

STEP 6 Open the oven door.



STEP 7 Place a level on the rack, first side to side, then front to back.

STEP 8 Adjust the feet up or down.

STEP 9 Reconnect the electrical power supply. See section B for the proper reconnection.

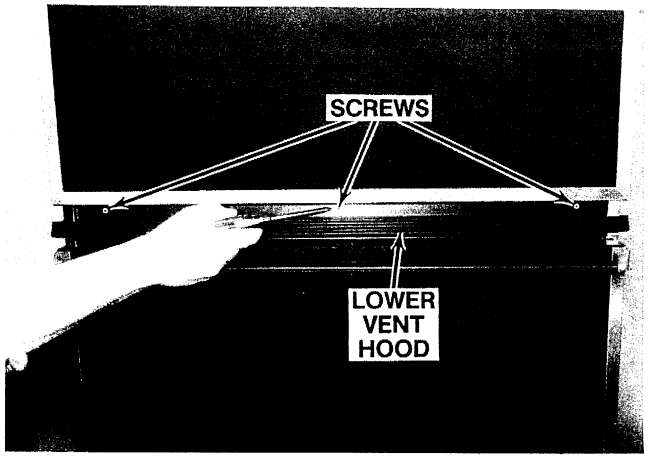
PROCEDURE 13
Lower Vent Hood Replacement

See page 180, illus. no. 43 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located between the two oven doors on BUILT-IN MODELS.

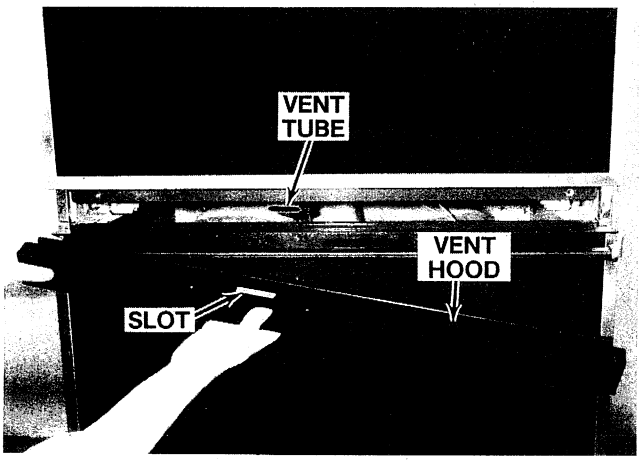
STEP 1 Disconnect the electrical power supply *(section B).*



STEP 2 Using a screwdriver, remove the screws holding the lower vent hood to the frame.

STEP 3 Carefully remove the lower vent hood.

REPLACEMENT



STEP 4 Place the slot in the vent hood over the vent tube.

STEP 5 Using a screwdriver, insert the screws through the vent hood into the frame and tighten.

STEP 6 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 14
Bottom Grille Replacement

See page 182, illus. no. 34 for location of part.

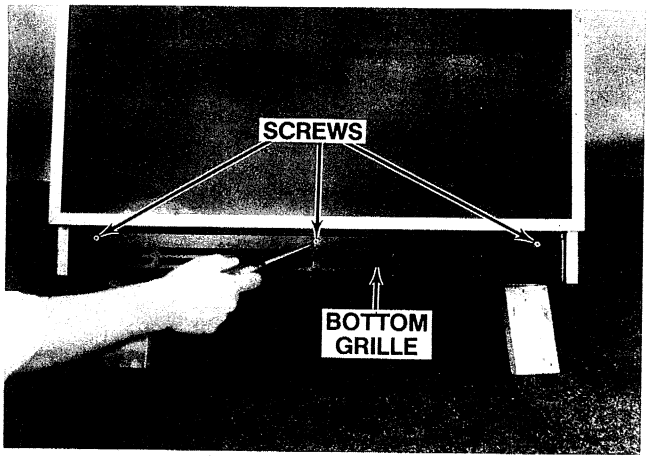
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located on the bottom of BUILT-IN MODELS.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may have to pull the unit out of the cabinet a little.

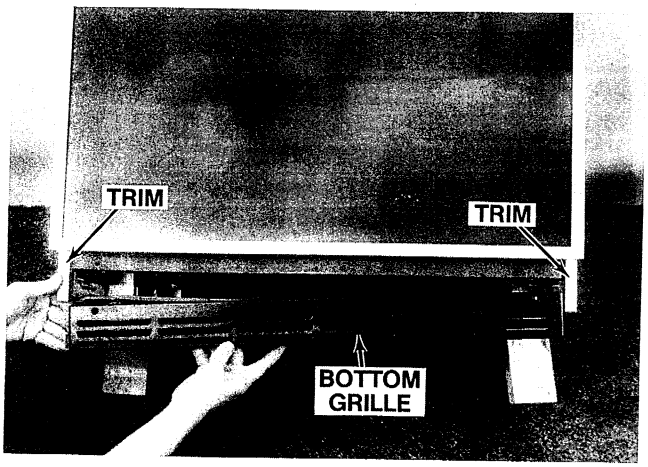
STEP 3 Place a 2-inch block on each edge of the frame.



STEP 4 Using a screwdriver, remove the screws holding the bottom grille to the frame.

STEP 5 Slide the bottom grille down to remove.

REPLACEMENT



STEP 6 Slide the bottom grille up behind the trim.

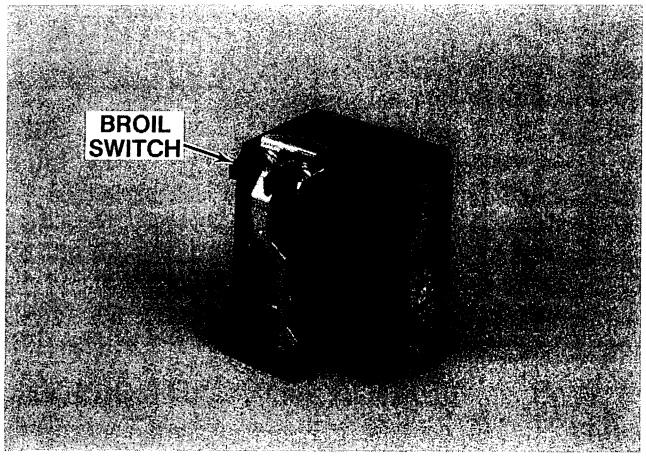
STEP 7 Using a screwdriver, insert the screws through the grille into the frame and tighten.

STEP 8 Carefully remove the blocks.

STEP 9 Push the unit back into the cabinet if it was pulled out.

STEP 10 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 15
Broil Switch Testing and/or Replacement



See page 178, illus. no. 17, page 180, illus. no. 37 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This broil switch is located in the back on FREESTANDING and EYE-LEVEL ranges and behind the control panel on BUILT-IN ranges.

This broil switch turns the broil unit (element) on 35% of the time with the range in the bake or clean cycle.

This switch is not in the circuit during the broil cycle.

See Type A for the FREESTANDING and EYE-LEVEL ranges or Type B for the BUILT-IN ranges.

TYPE A

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Pull the range away from the wall.

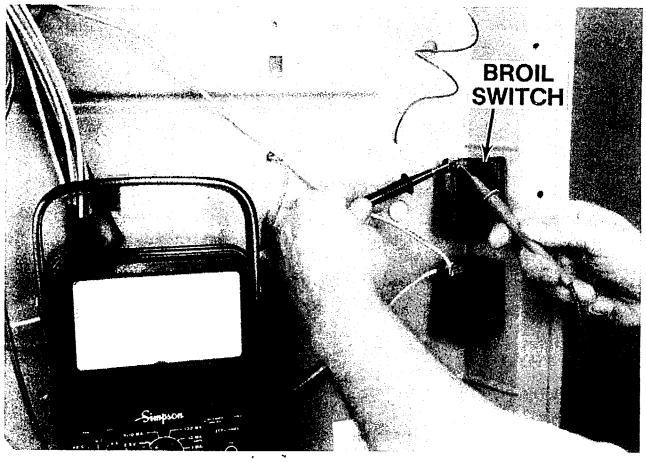
STEP 3 Using a screwdriver or nutdriver, remove the screws holding the back or rear cover to the range cabinet.

TESTING

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 5 You must know how to use an ohmmeter.

STEP 6 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

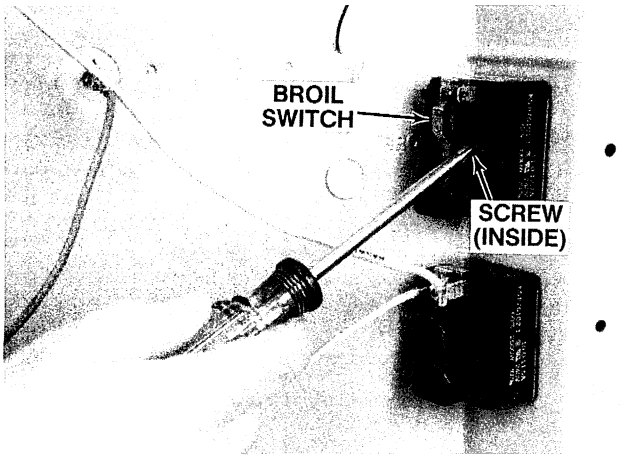


STEP 7 Touch one ohmmeter probe to one of the terminals on the broil switch.

STEP 8 Touch the other ohmmeter probe to the other terminal on the broil switch.

STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the broil switch is bad and needs replacing.

REPLACEMENT



STEP 10 Using a screwdriver, remove the screw holding the broil switch to the range cabinet.

STEP 11 Place the broil switch on the cabinet.

STEP 12 Using a screwdriver, insert the screw through the broil switch into the cabinet and tighten.

STEP 13 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 14 Using a screwdriver or nutdriver, insert the screws through the back or rear cover, into the range cabinet and tighten.

STEP 15 Push the range back in its place.

STEP 16 Reconnect the electrical power supply. See section B for the proper reconnection.

TYPE B

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may have to pull the unit out of the cabinet a little.

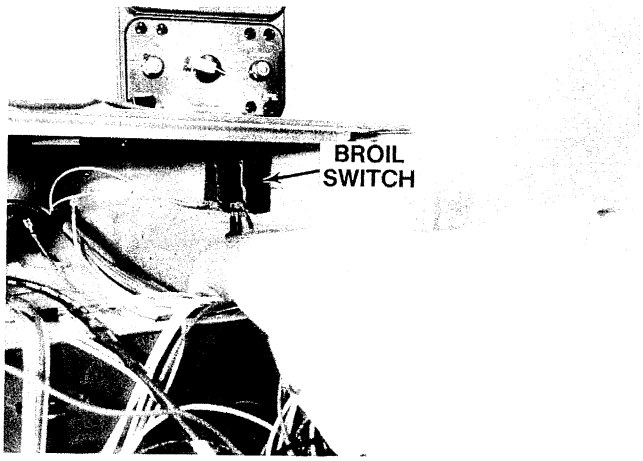
STEP 3 See how to get at the different control parts *(section J, proc 1; Type B, steps 3-15).*

TESTING

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 5 You must know how to use an ohmmeter.

STEP 6 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

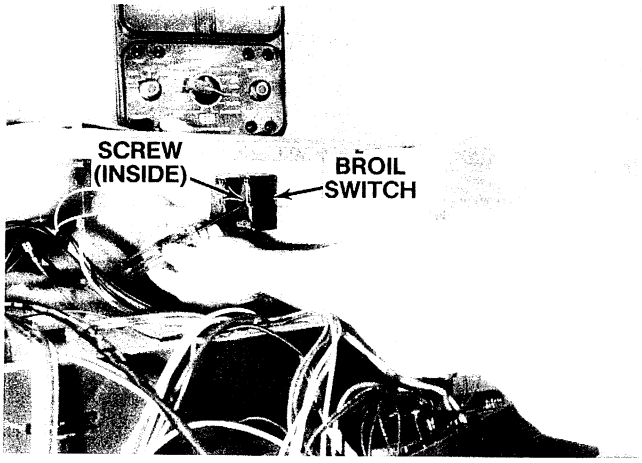


STEP 7 Touch one ohmmeter probe to one of the terminals on the broil switch.

STEP 8 Touch the other ohmmeter probe to the other terminal on the broil switch.

STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the broil switch is bad and needs replacing.

REPLACEMENT



STEP 10 Using a screwdriver, remove the screw holding the broil switch to the range cabinet.

STEP 11 Place the broil switch on the cabinet.

STEP 12 Using a screwdriver, insert the screw through the broil switch into the cabinet and tighten.

STEP 13 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

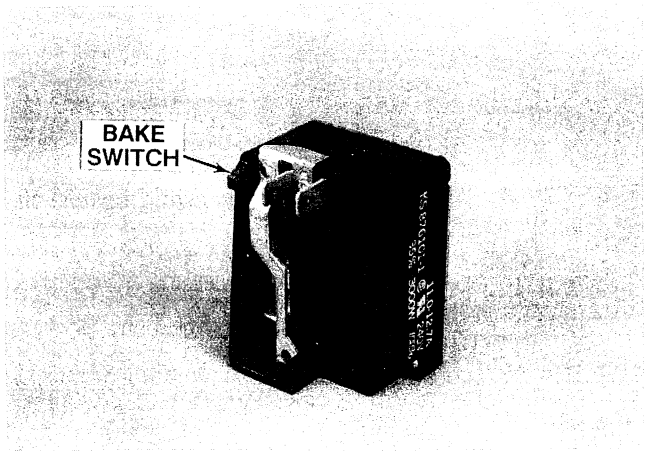
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 14 See how to get at the different control parts *(section J, proc. 1; Type B, steps 16-28).*

STEP 15 Push the unit back into the cabinet if it was pulled out.

STEP 16 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 16
Bake Switch Testing and/or Replacement



See page 178, illus. no. 18, page 180, illus. no. 38 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This bake switch is located in the back on FREESTANDING and EYE-LEVEL ranges and behind the control panel on BUILT-IN ranges.

This bake switch turns the bake unit (element) on 60% of the time with the range in the clean cycle only.

This switch is not in the circuit during the broil or bake cycle.

See Type A for the FREESTANDING and EYE-LEVEL ranges or Type B for the BUILT-IN ranges.

TYPE A

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Pull the range away from the wall.

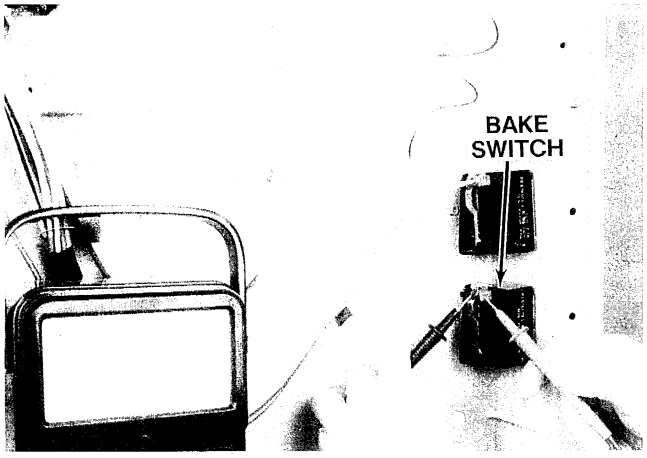
STEP 3 Using a screwdriver or nutdriver, remove the screws holding the back or rear cover to the range cabinet.

TESTING

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 5 You must know how to use an ohmmeter.

STEP 6 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

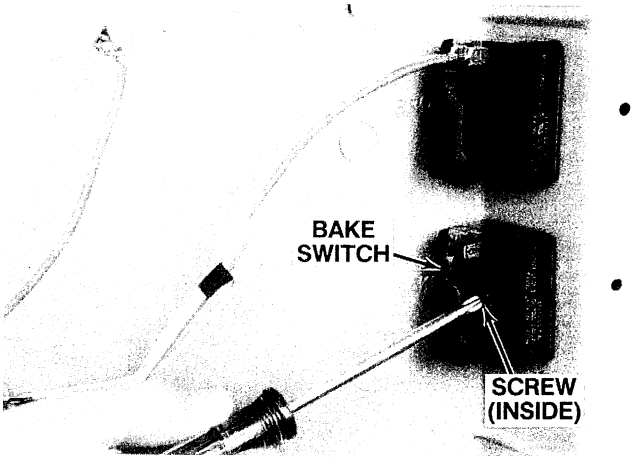


STEP 7 Touch one ohmmeter probe to one of the terminals on the bake switch.

STEP 8 Touch the other ohmmeter probe to the other terminal on the bake switch.

STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the bake switch is bad and needs replacing.

REPLACEMENT



STEP 10 Using a screwdriver, remove the screw holding the bake switch to the range cabinet.

STEP 11 Place the bake switch on the cabinet.

STEP 12 Using a screwdriver, insert the screw through the bake switch into the cabinet and tighten.

STEP 13 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 14 Using a screwdriver or nutdriver, insert the screws through the back or rear cover, into the range cabinet and tighten.

STEP 15 Push the range back in its place.

STEP 16 Reconnect the electrical power supply. See section B for the proper reconnection.

TYPE B

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 In some cases you may have to pull the unit out of the cabinet a little.

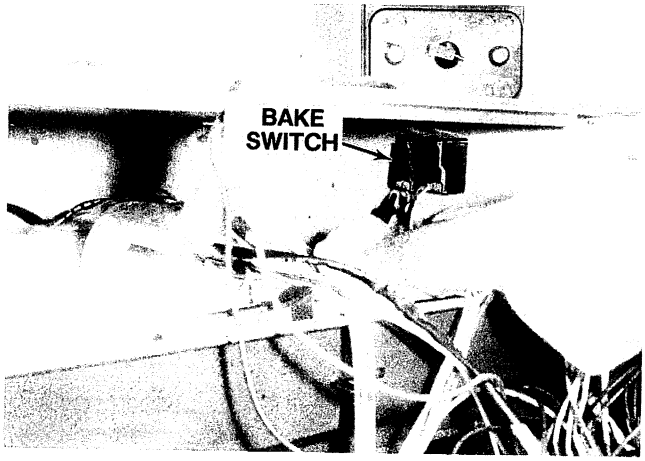
STEP 3 See how to get at the different control parts *(section J, proc. 1; Type B, steps 3-15).*

TESTING

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 5 You must know how to use an ohmmeter.

STEP 6 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

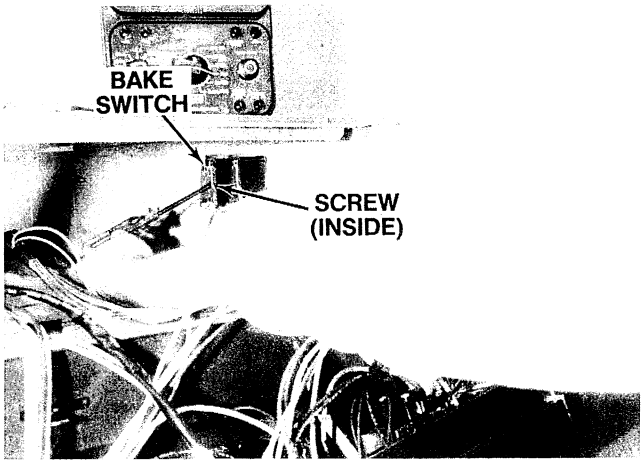


STEP 7 Touch one ohmmeter probe to one of the terminals on the bake switch.

STEP 8 Touch the other ohmmeter probe to the other terminal on the bake switch.

STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the bake switch is bad and needs replacing.

REPLACEMENT



STEP 10 Using a screwdriver, remove the screw holding the bake switch to the range cabinet.

STEP 11 Place the bake switch on the cabinet.

STEP 12 Using a screwdriver, insert the screw through the bake switch into the cabinet and tighten.

STEP 13 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

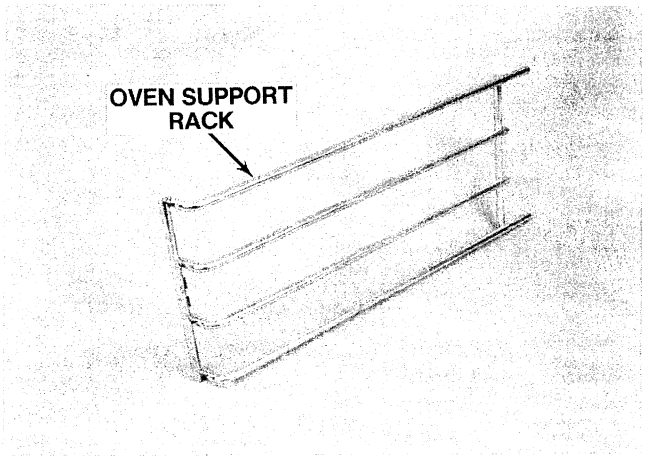
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 14 See how to get at the different control parts *(section J, proc. 1; Type B, steps 16-28).*

STEP 15 Push the unit back into the cabinet if it was pulled out.

STEP 16 Reconnect the electrical power supply. See section B for the proper reconnection.

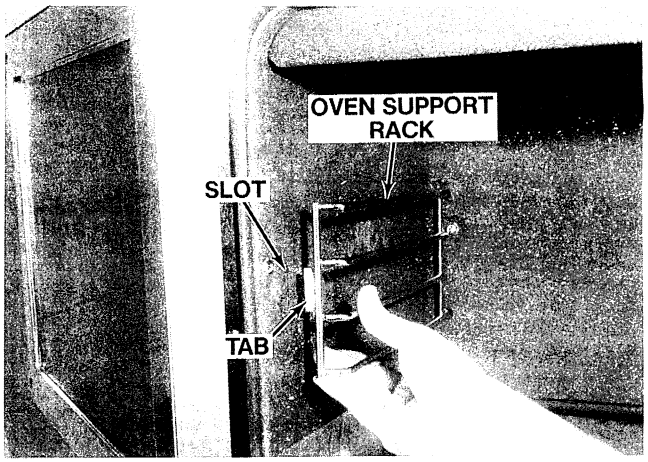
PROCEDURE 17
Oven Support Rack Replacement (Eye-Level)



See page 175, illus. no. 13 for location of part.

This part is located on each side in the upper oven. This rack support, supports the rack that you put your foods on.

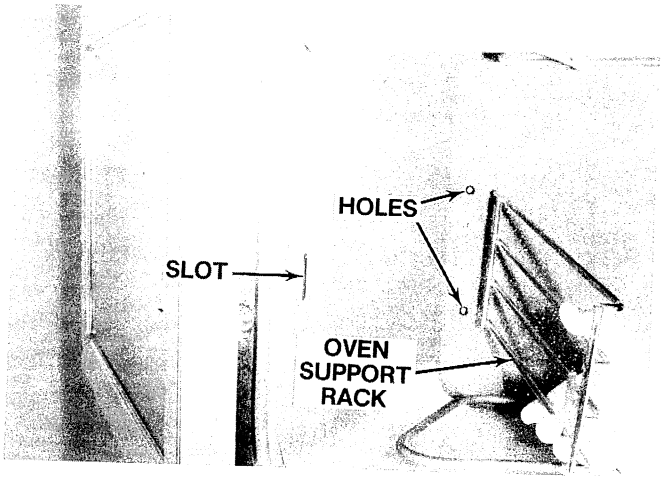
STEP 1 Open the upper oven door and remove the racks.



STEP 2 Lift up on the front edge of the rack support, then pull the tab out of the slot in the oven.

STEP 3 Pull the back part of the support out the hole in the back of the oven.

REPLACEMENT



STEP 4 Place the rack support in the holes in the back of the oven.

STEP 5 Slide the front tab of the rack down into a slot in the side of the oven.

STEP 6 Replace the racks and close the door.

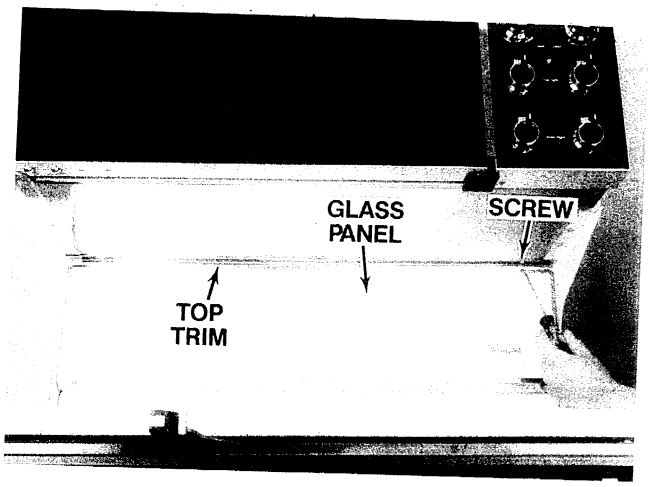
PROCEDURE 18
Glass Panel Replacement (Eye-Level)

See page 176, illus. no. 28 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

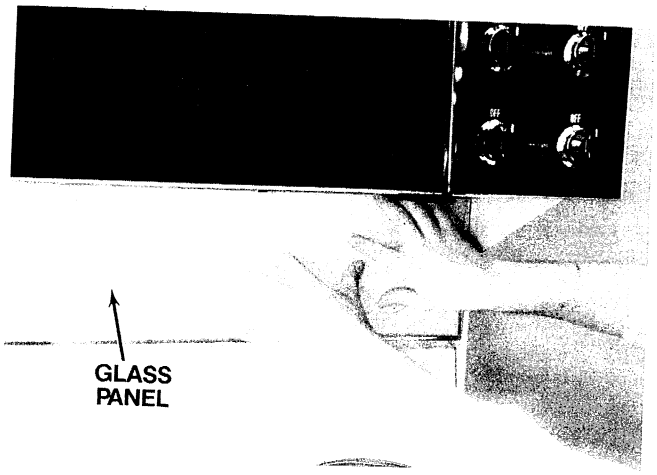
This part is located between the upper oven and cooktop. It is used to cover up the light bulb.

STEP 1 Disconnect the electrical power supply *(section B).*



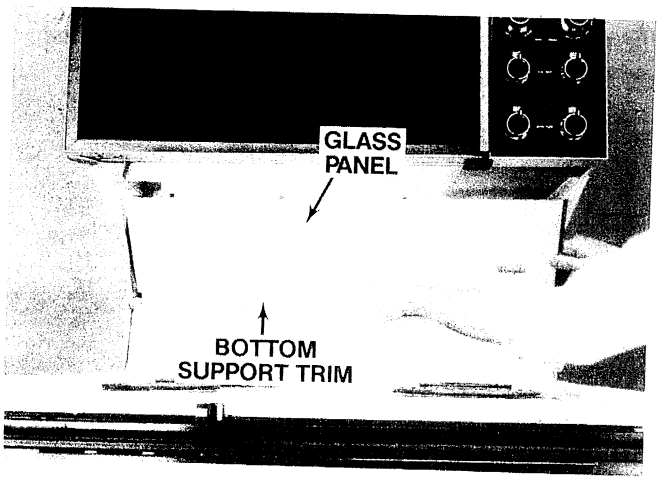
STEP 2 Using a screwdriver, remove the screws holding the top trim to the panel.

CAUTION: This glass is heavy, so hold onto it.



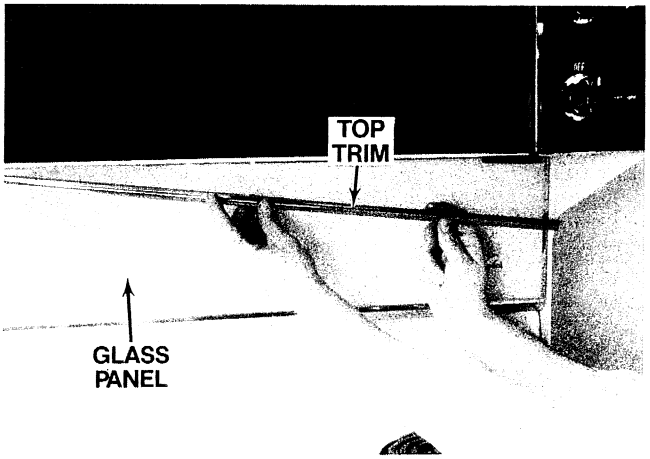
STEP 3 Using both hands, pull the top of the glass toward you, then lift out of the bottom support trim.

REPLACEMENT



STEP 4 Using both hands, place the bottom edge of the glass into the bottom support trim.

STEP 5 Push the top of the glass back until it touches the rubber stops.



STEP 6 Carefully place the top trim under the bottom panel and next to the glass.

STEP 7 Using a screwdriver, insert the screws through the top trim into the bottom panel and tighten.

STEP 8 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 19
Fluorescent Light Testing and/or Replacement (Eye-Level)

See page 176, illus. no. 27 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This light, located between the upper oven and cooktop, is used to light up the area for easier viewing.

STEP 1 Disconnect the electrical power supply *(section B).*

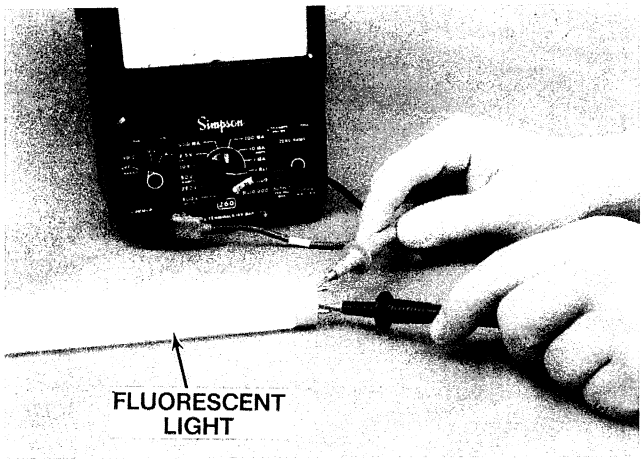
STEP 2 Remove the glass panel *(section L, proc. 18, steps 2 & 3.)*

STEP 3 Turn the fluorescent light either way then gently pull to remove.

TESTING

STEP 4 You must know how to use an ohmmeter.

STEP 5 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 5-12 ohms. Set the ohms scale and ZERO the meter.



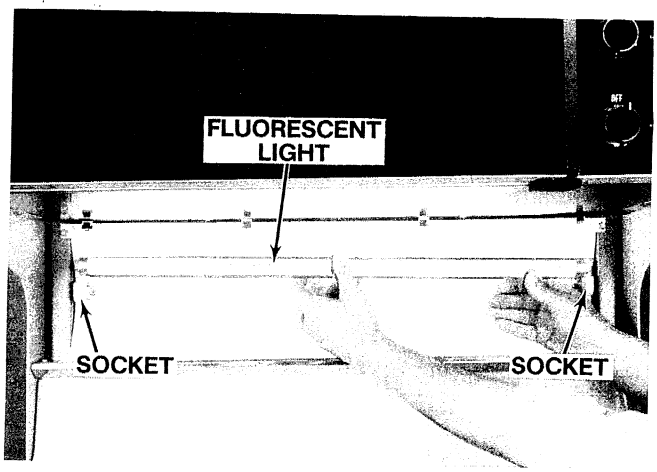
STEP 6 Test at the same end of the fluorescent light by touching one of the ohmmeter probes to one of the pins.

STEP 7 Touch the other ohmmeter probe to the other pin.

STEP 8 The ohmmeter should show between 5-12 ohms on the ohms scale.

STEP 9 If you do not get this reading, the fluorescent light is bad and needs replacement.

REPLACEMENT

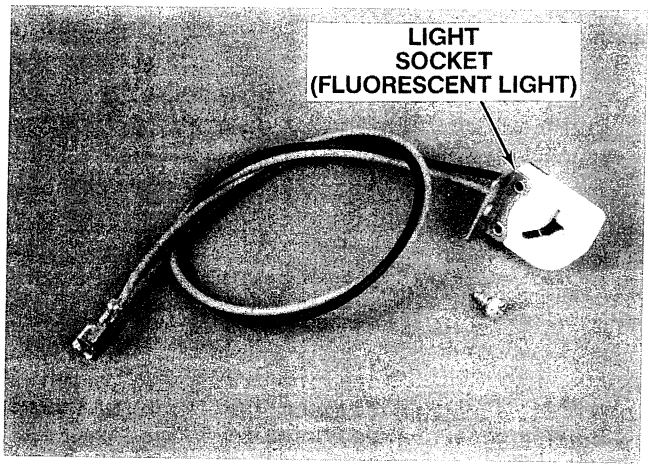


STEP 10 Place the pins on each end of the light into the sockets, then lightly push and turn.

STEP 11 Replace the glass panel *(section L, proc. 18, steps 4-7).*

STEP 12 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 20
Socket Testing and/or Replacement (Eye-Level)



See page 176, illus. no. 8 for location of part.

***WARNING:* TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).**

OHMMETER REQUIRED

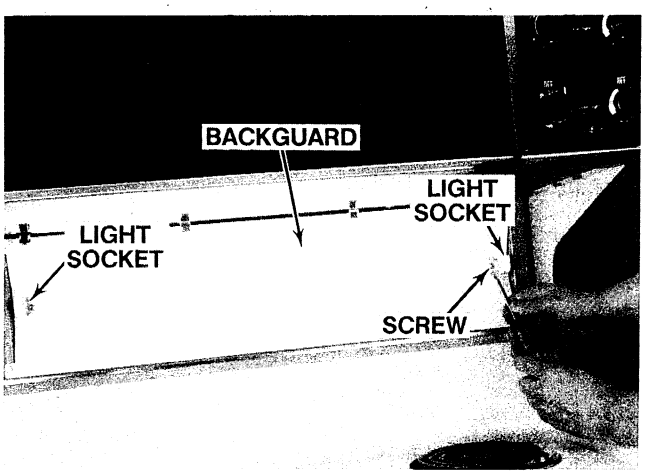
This part is located on each end of the fluorescent light.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Using a screwdriver or nutdriver, remove the screws holding the back or rear cover to the range cabinet.

STEP 3 Remove the glass panel *(section L, proc. 18, steps 2 & 3).*

STEP 4 Remove the fluorescent light *(section L, proc. 19, step 3).*



STEP 5 Using a screwdriver, remove the screw holding the socket to the backguard.

STEP 6 Pull the wires through the backguard.

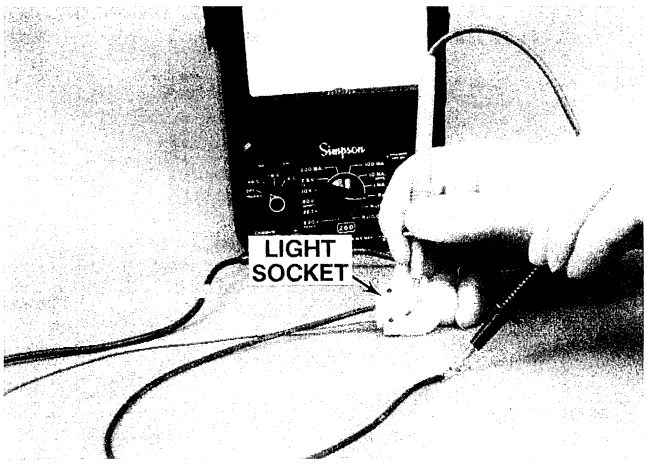
TESTING

STEP 7 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or wire it's attached to. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 8 You must know how to use an ohmmeter.

STEP 9 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

STEP 10 Touch one ohmmeter probe to one of the wire terminals.

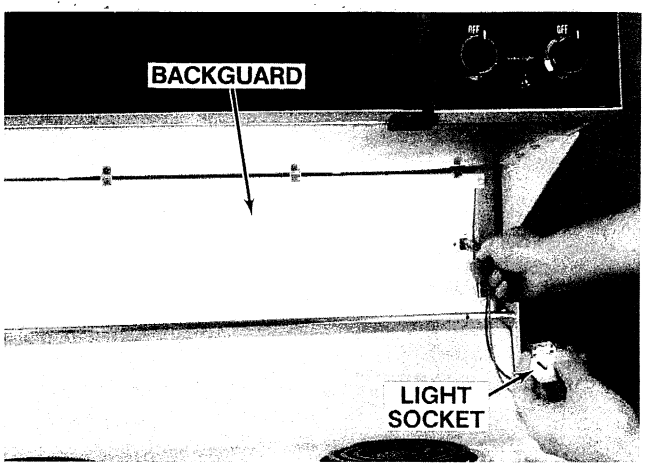


STEP 11 Touch the other ohmmeter probe to the contact inside the socket coming from the same wire terminal.

STEP 12 The ohmmeter should show ZERO resistance (continuity). If not, the socket is bad and needs replacing.

STEP 13 Test the other wire and contact the same way.

REPLACEMENT



STEP 14 Place the wires in the hole in the backguard.

STEP 15 Using a screwdriver, insert the screw through the socket into the backguard and tighten.

STEP 16 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

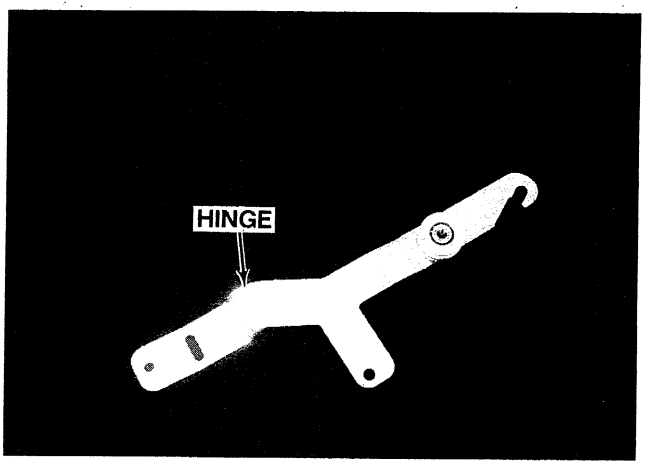
STEP 17 Replace the fluorescent light *(section L, proc. 19, step 10).*

STEP 18 Replace the glass panel *(section L, proc. 18, steps 4-7).*

STEP 19 Using a screwdriver or nutdriver, insert the screws through the back or rear cover into the range cabinet and tighten.

STEP 20 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 21
Hinge Replacement



See page 178, illus. no. 8, page 180, illus. no. 12, page 182, illus. no. 13 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located on both sides inside the front frame. The channel arm rides on this hinge for opening and closing the oven door.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

STEP 3 Remove the utility drawer—if used *(section M, proc. 1, steps 1 & 2).*

STEP 4 Remove the oven door spring and anchor *(section L, proc. 7, steps 3-5).*

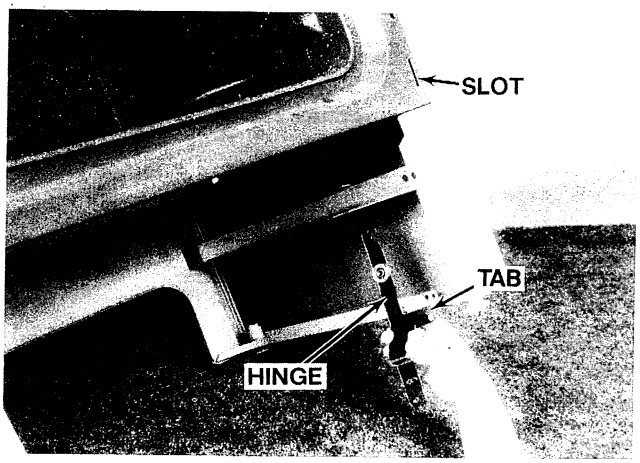
STEP 5 Remove the channel arm *(section L, proc. 8, WARNING, plus steps 5-7).*

STEP 6 Using a nutdriver, remove the screws holding the hinge to the side of the frame.

STEP 7 Lift to remove the top of the hinge from the bushing.

REPLACEMENT

STEP 8 Place the top of the hinge on the bushing.



STEP 9 Place the tab on the hinge through the slot in the frame.

STEP 10 Using a screwdriver, insert the screws through the hinge into the frame and tighten.

STEP 11 Replace the channel arm *(section L, proc. 8, CAUTION, plus steps 8-11).*

STEP 12 Replace the oven door spring and anchor *(section L, proc. 7, steps 6-9).*

STEP 13 Replace the utility drawer—if used *(section M, proc. 1, steps 17-19).*

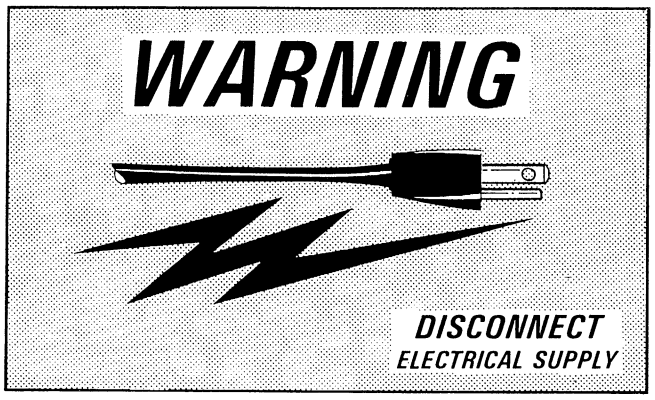
STEP 14 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

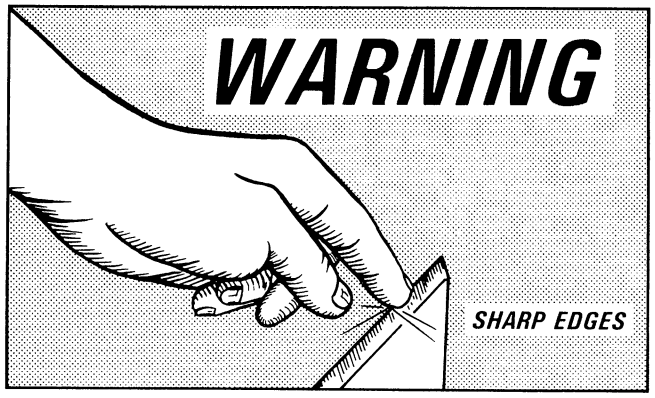
STEP 15 Reconnect the electrical power supply. See section B for the proper reconnection.

SECTION M

Door and Drawer Area

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.





WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

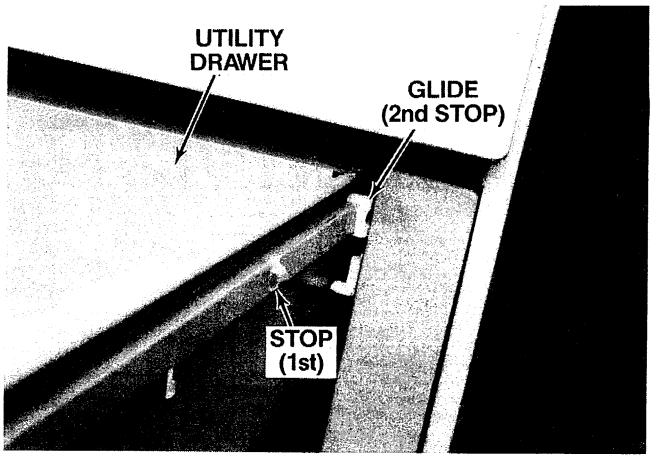
WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

PROCEDURE 1
Utility Drawer Replacement

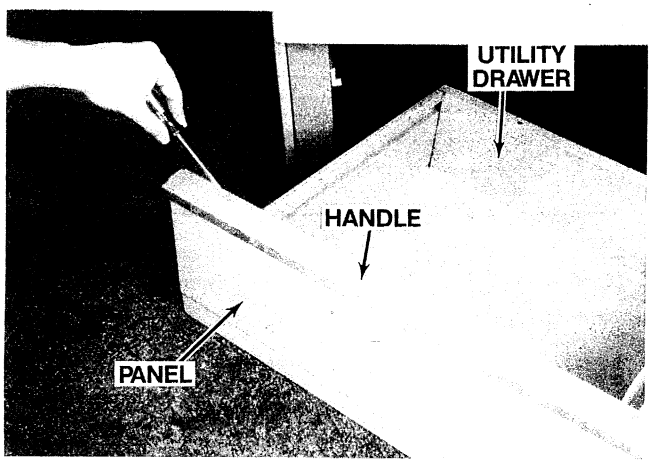
See page 184, illus. no.'s 18, 21 and 22 for location of parts.

This part is located at the bottom of the range which can be pulled out to store things in.

STEP 1 Pull the utility drawer out to the first stop then lift up.

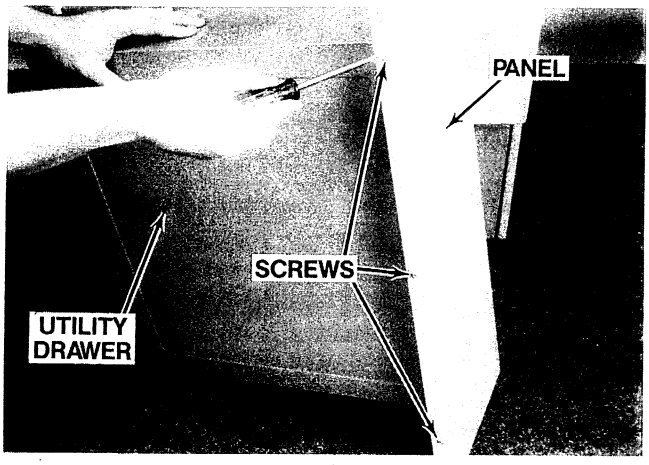


STEP 2 Pull to the last stop then lift to clear the glide. Pull the rest of the way out.

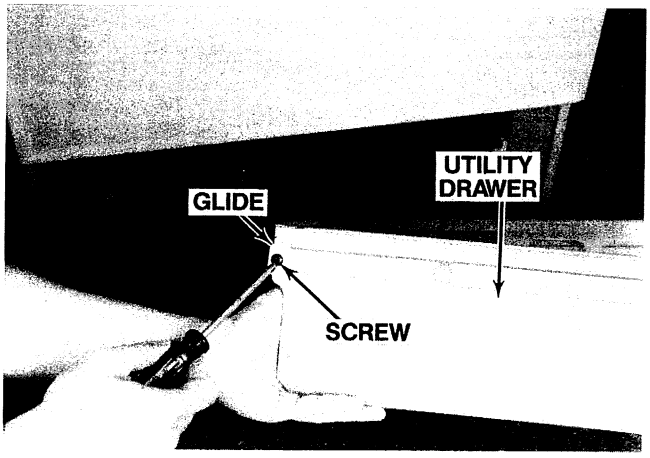


STEP 3 Using a screwdriver, remove the top screws holding the handle to the panel and drawer.

STEP 4 Carefully remove the handle.

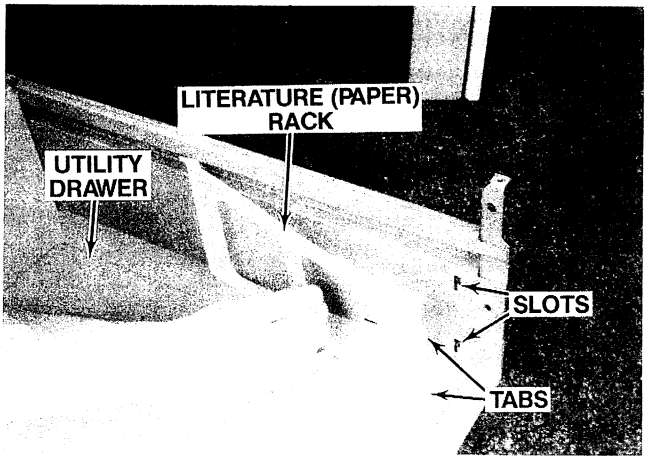


STEP 5 Using a screwdriver, remove the bottom screws holding the panel to the drawer.



STEP 6 Using a screwdriver, remove the screw holding the glide to the rear of the drawer.

STEP 7 Do the same thing to the other side.

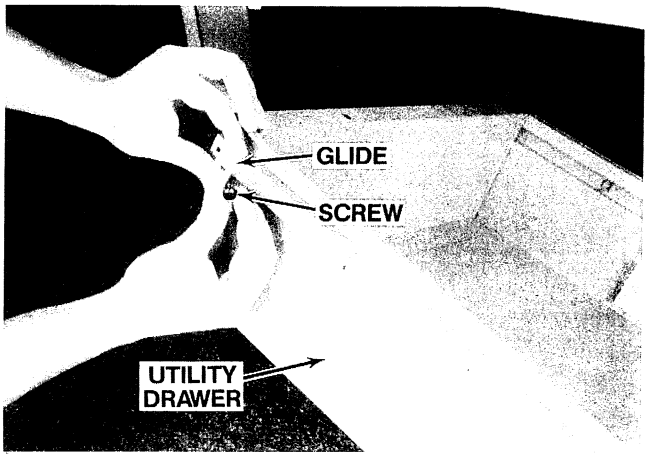


STEP 8 If your range has the plastic rack located on the side of the drawer, this has to be removed.

STEP 9 Lift the rack out of the slots.

REPLACEMENT

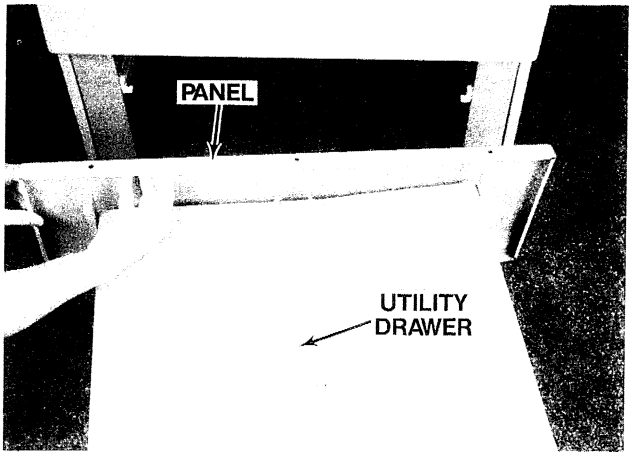
STEP 10 If your range has the plastic rack located on the side of the drawer, place the tabs on the rack into the slots in the side of the drawer and push down.



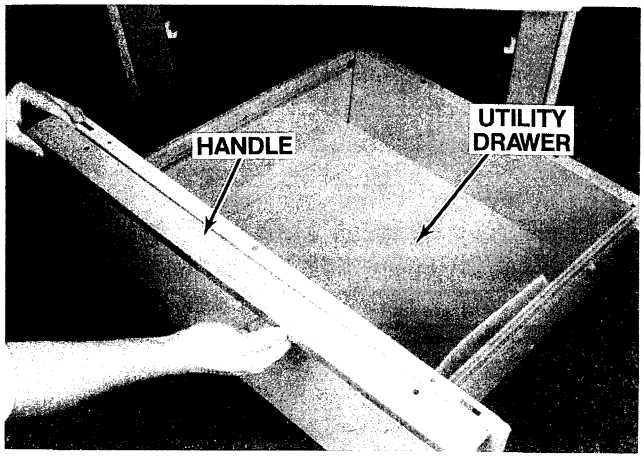
STEP 11 Using a screwdriver, insert the screw through the glide into the rear of the drawer and tighten.

STEP 12 Do the same thing to the other side.

STEP 13 Place the panel on the front of the drawer.

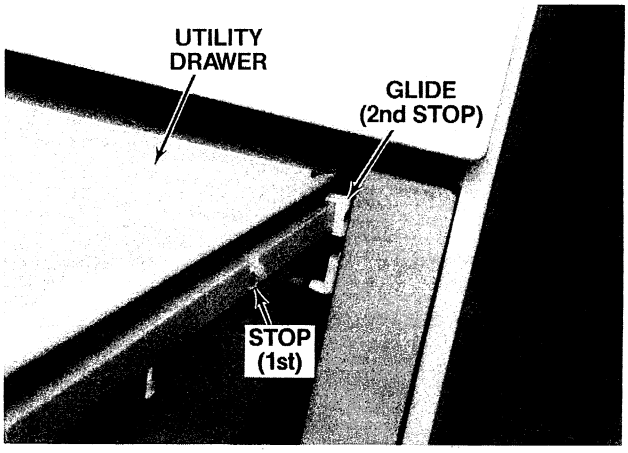


STEP 14 Using a screwdriver, insert the bottom screws through the panel into the drawer and tighten.



STEP 15 Place the handle down on the top of the panel.

STEP 16 Using a screwdriver, insert the top screws through the handle, panel into the drawer and tighten.



STEP 17 Slide the drawer into the protector up to the stops.

STEP 18 Lift so the stops clear the glides, then push to the other stops.

STEP 19 Lift and slide the rest of the way in.

PROCEDURE 2
Drawer Protector Replacement

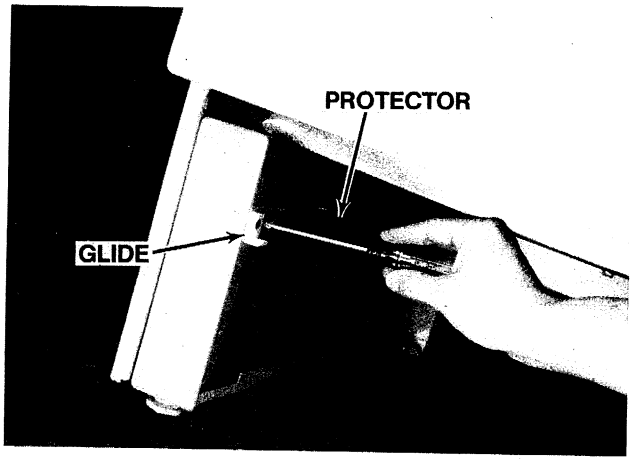
See page 184, illus. no. 19 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is mounted to the inside of the range (both sides). The drawer slides on this protector when the drawer is pulled out or pushed in.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the utility drawer *(section M, proc. 1, steps 1 & 2).*

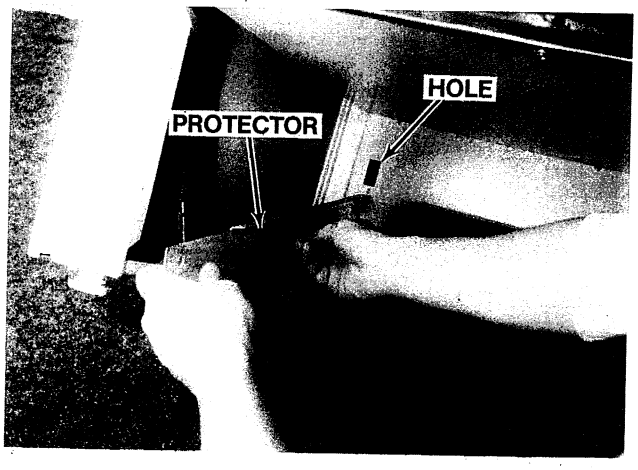


STEP 3 Using a screwdriver, remove the front screw holding the glide and protector to the range.

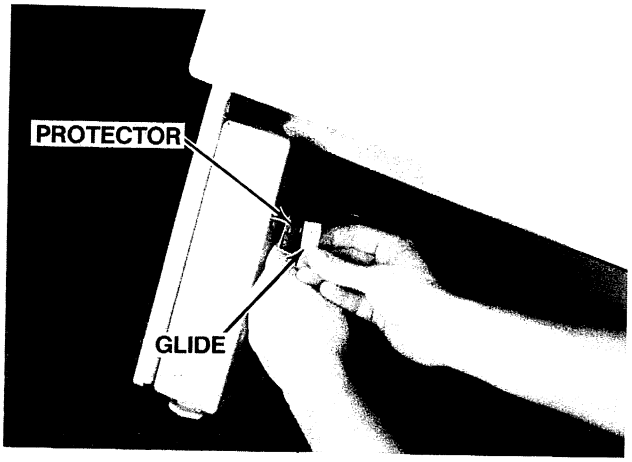
STEP 4 Carefully pull the protector out of the range.

STEP 5 Do the same thing to the other side.

REPLACEMENT



STEP 6 Place the back end of the protector, in a hole in the bracket, in the back of the range.



STEP 7 Using a screwdriver, insert the screw through the glide, protector into the inside of the range and tighten.

STEP 8 Do the same thing to the other side.

STEP 9 Replace the utility drawer *(section M, proc. 1, steps 17-19).*

STEP 10 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 3
Oven Door Removal

This oven door can be removed in two ways. See Type A for the door with screws in the hinge area or Type B for the door without screws in this hinge area.

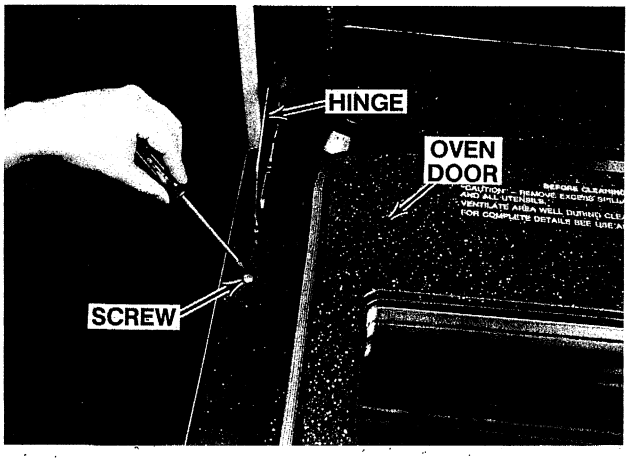
TYPE A

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

Replacing this type door takes a homemade part. You need a straight piece of dowel rod (steel or wood) about 2-3 inches long and 1/8 inch in diameter.

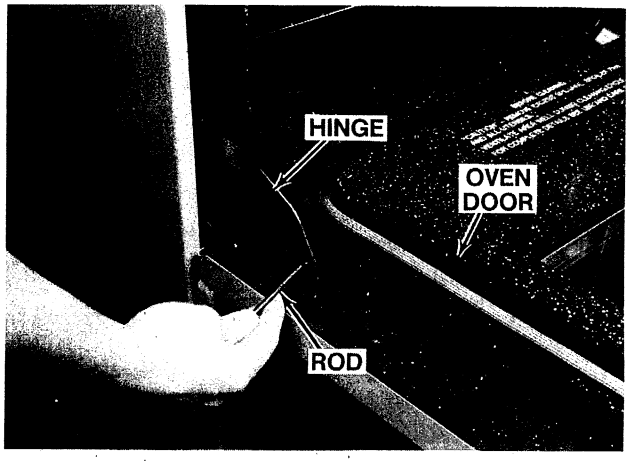
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Open the oven door all the way.



STEP 3 Using a screwdriver, remove the screw on one side holding the door to the hinge.

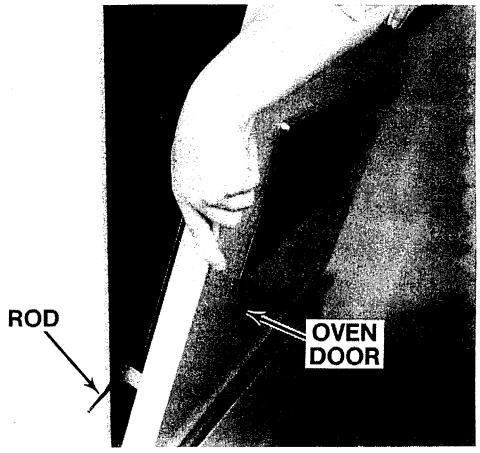
STEP 4 Do the same thing to the other side.



STEP 5 Place the straight piece of rod in the hole in each hinge.

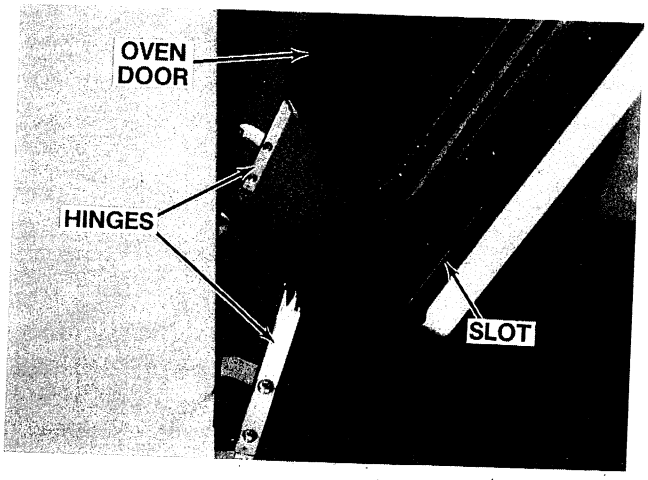
CAUTION: If this is not done, when the door is pulled off the hinges, the hinges will snap back and chip the finish.

STEP 6 Close the door to the broil stop.



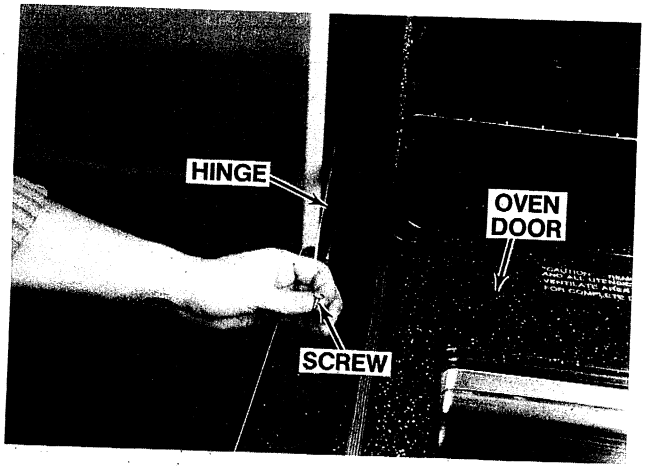
STEP 7 Grasp the oven door on the sides and pull off the hinges.

REPLACEMENT



STEP 8 Place the oven door with the slots over the hinges, then push down.

STEP 9 Open the oven door all the way.



STEP 10 Using a screwdriver, insert the screw through the door into the hinge and tighten.

STEP 11 Do the same thing to the other side.

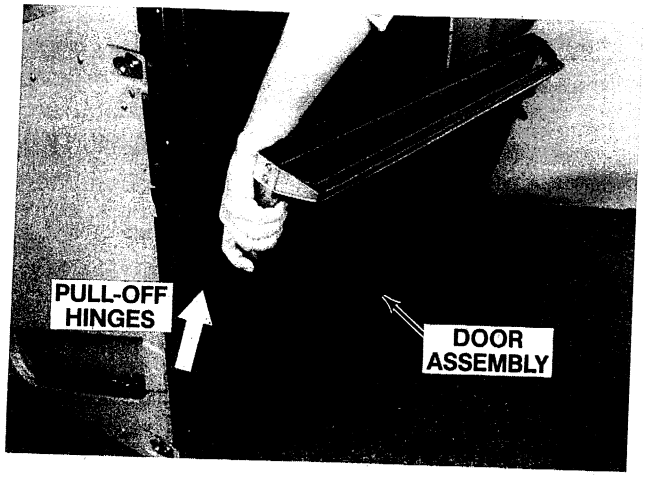
STEP 12 Remove the dowel rod from each hinge.

STEP 13 Close the oven door.

STEP 14 Reconnect the electrical power supply. See section B for the proper reconnection.

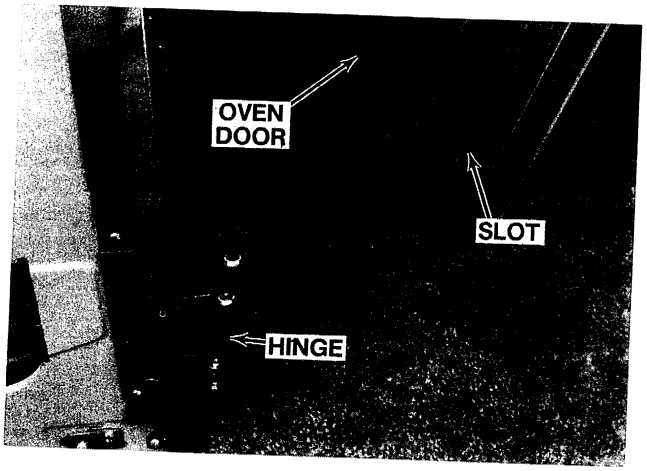
TYPE B

STEP 1 Open the oven door to the broil stop.



STEP 2 Grasp the door on the sides and pull off the hinges.

REPLACEMENT



STEP 3 Place the oven door with the slots over the hinges, then push down.

STEP 4 Close the oven door.

PROCEDURE 4
Handle and End Cap (Oven Door) Replacement

See page 184, illus. no. 16 or page 186, illus. no. 12 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

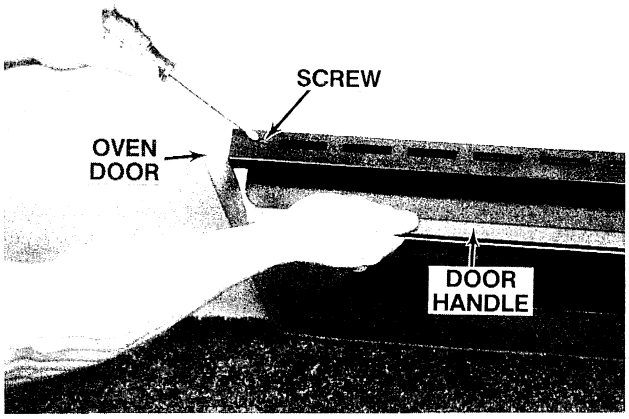
This part is used to open the oven door.

There are two ways to get at these handles. See Type A for the end caps in the front of the door or Type B for the end caps held to the side of the frame with screws.

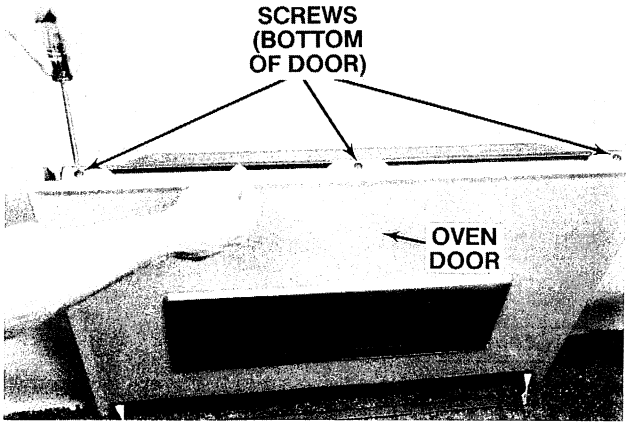
TYPE A

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

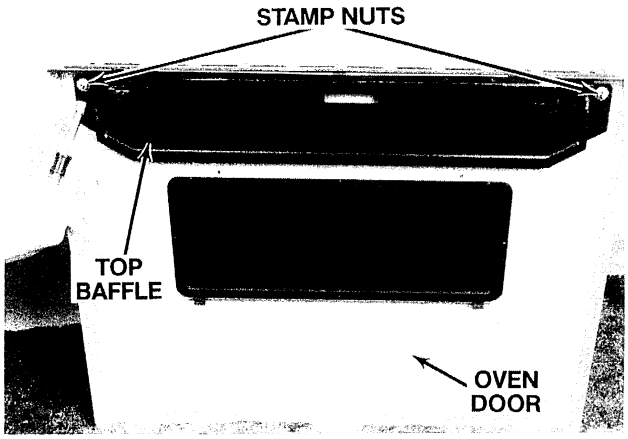


STEP 3 Using a screwdriver, remove the screws on the top of the door.



STEP 4 Using a screwdriver, remove the screws on the bottom of the door.

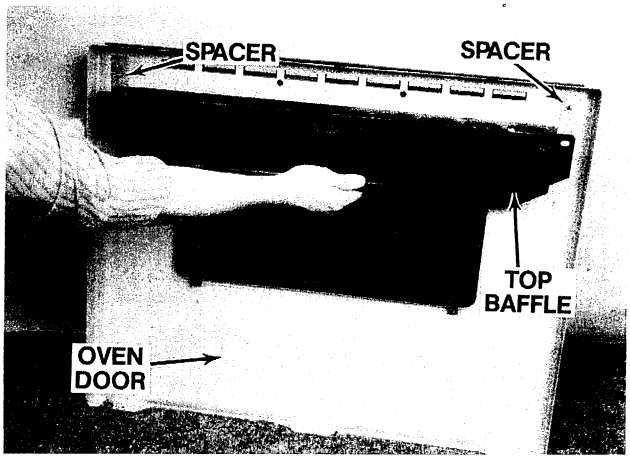
STEP 5 Separate the inner panel and door panel.



STEP 6 Using a nutdriver or open end wrench, remove the stamp nut holding the end cap to the door panel.

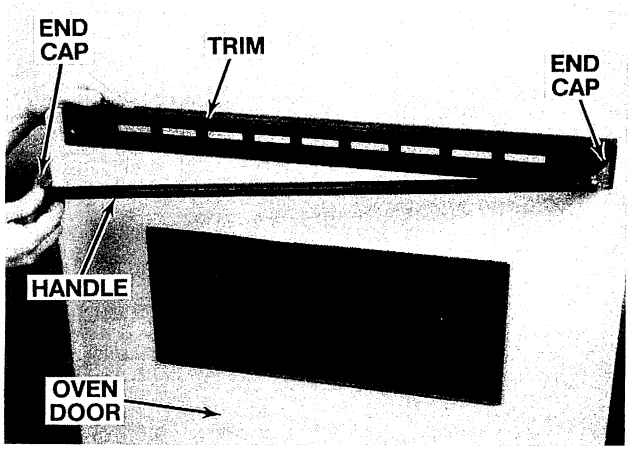
STEP 7 Do the same thing to the other side.

STEP 8 Hold onto the handle and top baffle.



STEP 9 Carefully remove the top baffle off the studs of the end caps.

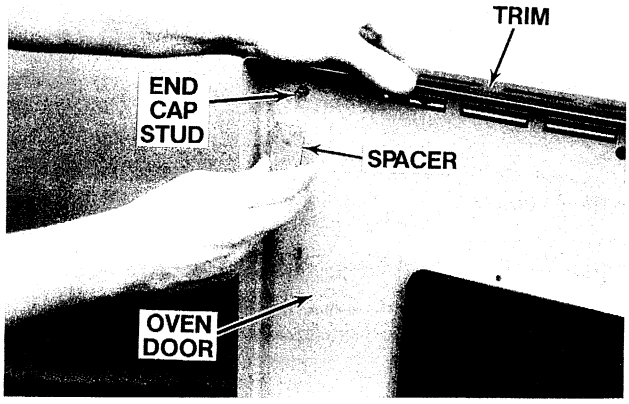
STEP 10 Carefully remove the spacers.



STEP 11 Pull the handle and end caps out of the holes in the front of the door panel.

REPLACEMENT

STEP 12 Place the handle with the end cap studs, in the holes in the front of the door panel.



STEP 13 Replace the spacers on the studs of the end caps.

STEP 14 Replace the top baffle on the studs.

STEP 15 Using a nutdriver or open end wrench, place the nut on the stud of the end cap and tighten.

STEP 16 Do the same thing to the other side.

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.

STEP 17 Place the inner panel inside the flange on the door panel.

STEP 18 Using a screwdriver, insert the top screws and tighten.

STEP 19 Using a screwdriver, insert the bottom screws and tighten.

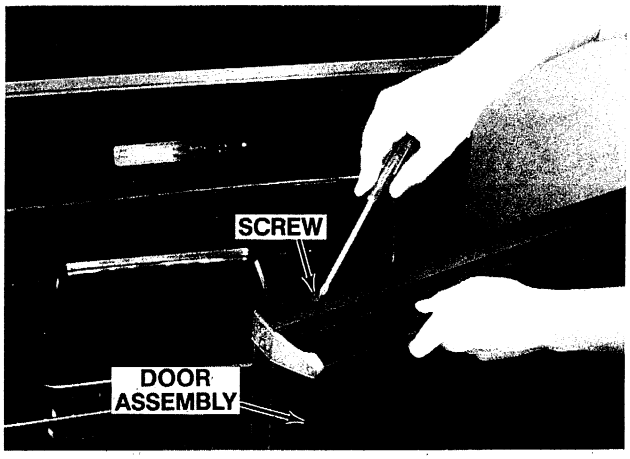
STEP 20 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 21 Reconnect the electrical power supply. See section B for the proper reconnection.

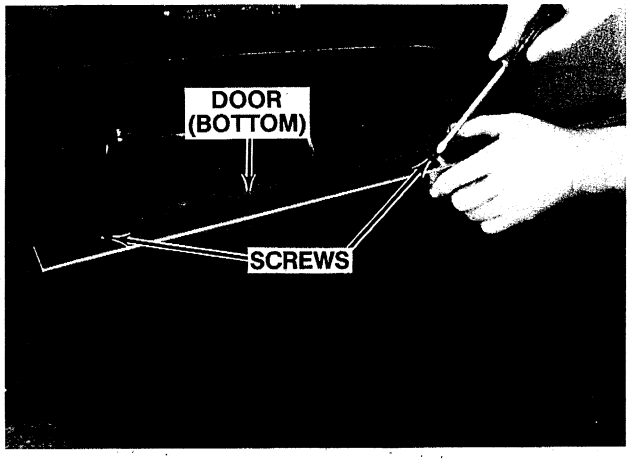
TYPE B

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*



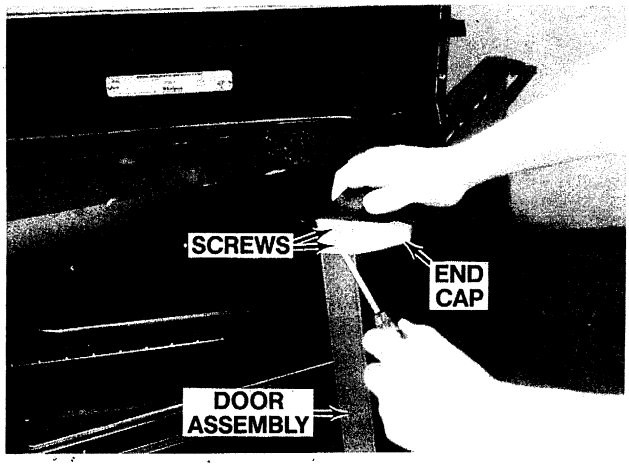
STEP 3 Using a screwdriver, remove the screws on the top of the door.



STEP 4 Using a screwdriver, remove the screws on the bottom of the door.

STEP 5 Separate the inner panel and door frame.

CAUTION: There will be a clip that might fall when the screws are removed. We will reuse it later.

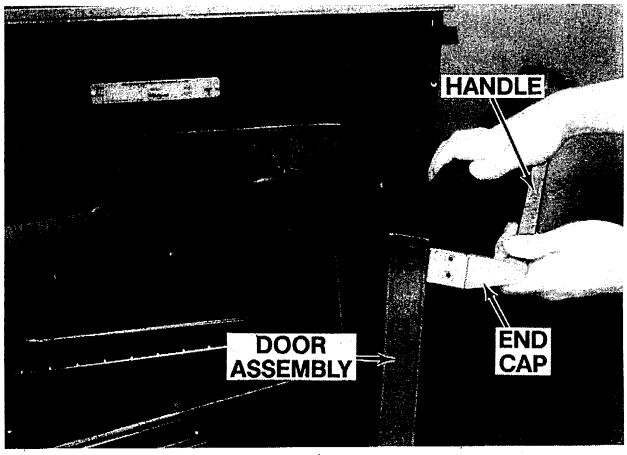


STEP 6 Using a screwdriver, remove the screws holding one of the end caps to the door frame.

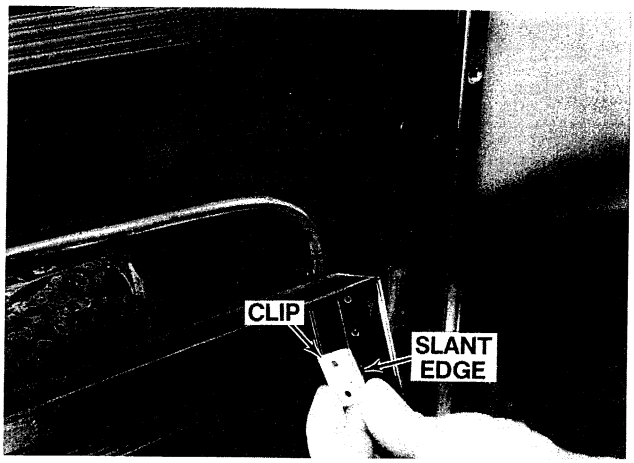
STEP 7 Do the same thing to the other side.

STEP 8 Carefully remove the handle and end caps from the door frame.

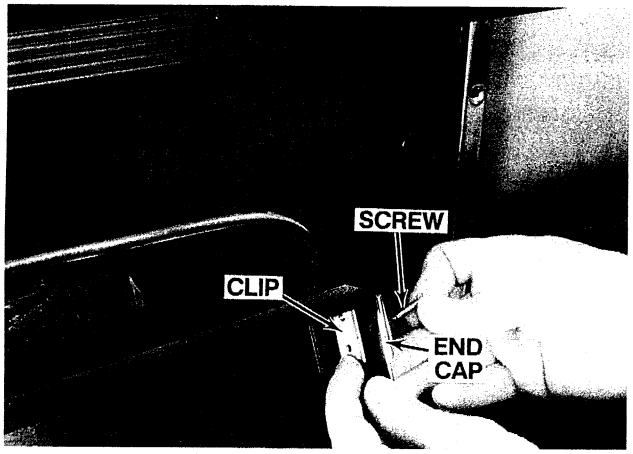
REPLACEMENT



STEP 9 Place the handle and end caps on the door frame.



STEP 10 Place the clip on the inside of the frame with the slanted edge away from the glass and pointing toward the middle.



STEP 11 Using a screwdriver, insert the screws through the end cap, door frame into the clip and tighten.

STEP 12 Do the same thing to the other side.

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.

STEP 13 Place the inner panel inside the flange on the door frame.

STEP 14 Using a screwdriver, insert the top screws and tighten.

STEP 15 Using a screwdriver, insert the bottom screws and tighten.

STEP 16 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 17 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 5
Outer Glass Replacement

See page 184, illus. no. 10 or page 186, illus. no. 9 for location of part.

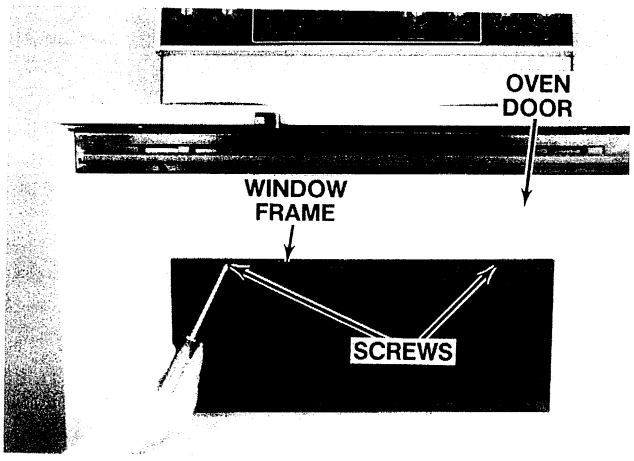
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This outer glass is used in the oven door so you can see how different items are baking.

There are two sizes of glass used. See Type A for the small glass window or Type B for the larger glass, covering the entire oven door.

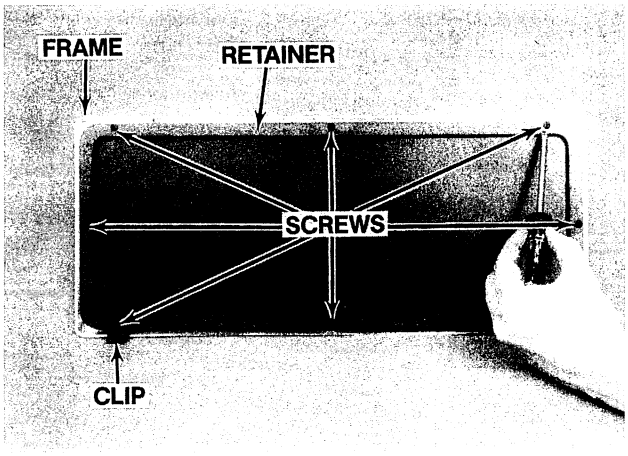
TYPE A

STEP 1 Disconnect the electrical power supply *(section B).*



STEP 2 Using a screwdriver, remove the screws holding the window frame and window to the oven door.

STEP 3 Lay the window and frame face down on a rug so you do not scratch the glass or frame.



STEP 4 Remove the screws holding the retainer to the window frame.

STEP 5 Carefully remove the retainer.

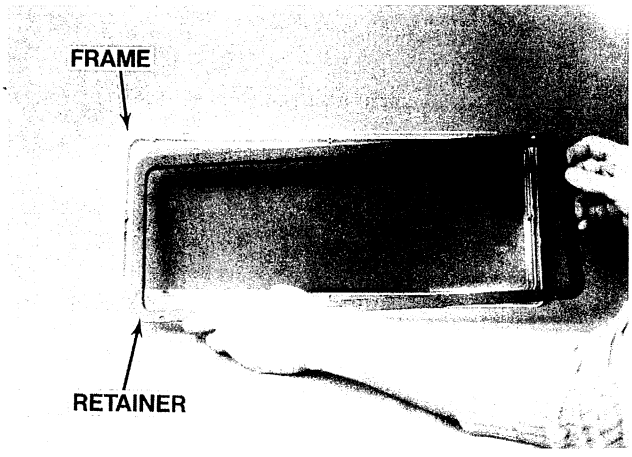
STEP 6 Carefully remove the glass.

REPLACEMENT

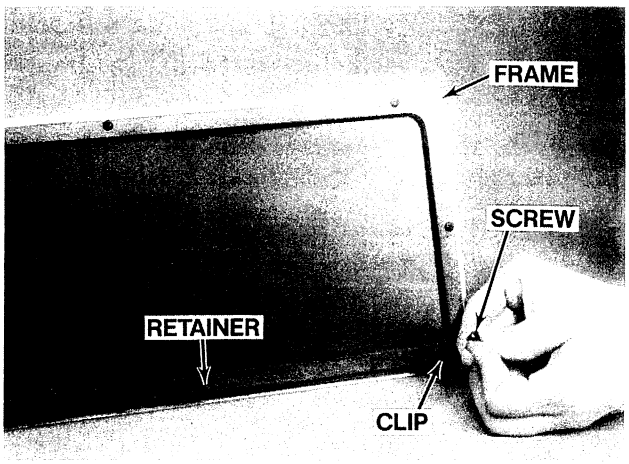
STEP 7 Lay the window frame face down on a rug so you do not scratch the frame or glass.

STEP 8 Lay the glass in the frame.

NOTE: Lay the smooth side down and the rough side up.



STEP 9 Place the retainer on top of the frame (smooth side up).

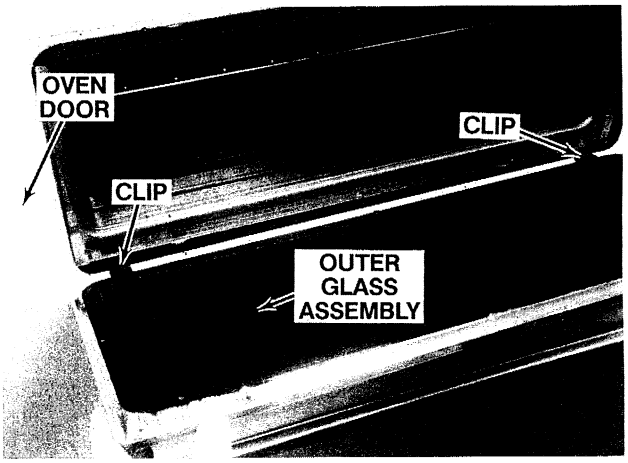


STEP 10 Using a screwdriver, insert the screw through the clip, bottom corner of the retainer into the frame and tighten.

STEP 11 Do the same thing to the other bottom corner.

STEP 12 Using a screwdriver, insert the rest of the screws through the retainer into the frame and tighten.

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.



STEP 13 Place the bottom edge of the retainer, with the clips, on the bottom edge of the cut-out in the door.

STEP 14 Push the window in the cut-out on the door.

STEP 15 Using a screwdriver, insert the screws through the top of the frame into the door and tighten.

STEP 16 Reconnect the electrical power supply. See section B for the proper reconnection.

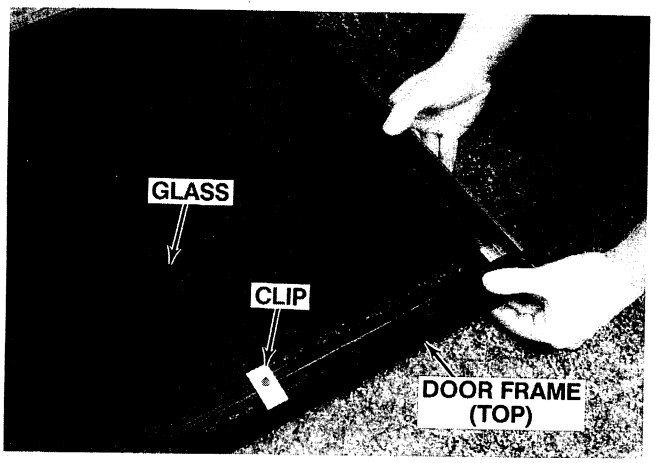
TYPE B

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

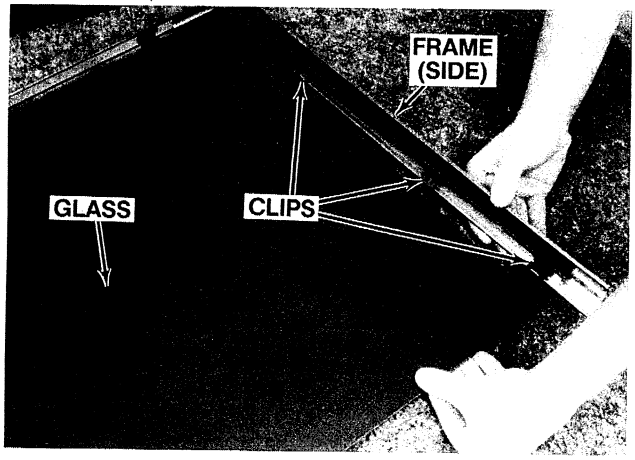
STEP 3 Remove the handle and end caps *(section M, proc. 4; Type B, steps 3-8).*

STEP 4 Lay the glass face down on a rug so you do not scratch the glass.



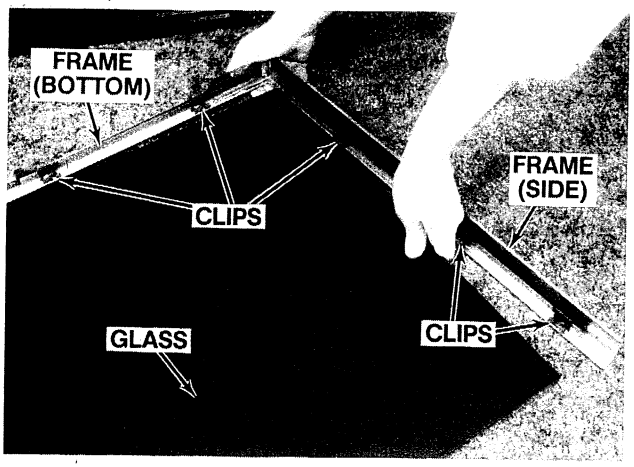
STEP 5 Remove the top door frame by pulling off.

CAUTION: Do not bend the door frame at the two bottom corners.



STEP 6 Carefully pull the frame away from the glass one side at a time.

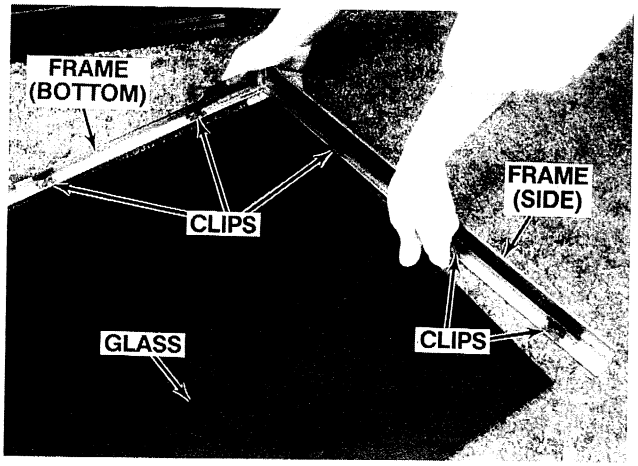
NOTE: This will release the clips holding the glass to the frame.



STEP 7 Hold onto the bottom edge of the frame while pulling the glass away from the frame.

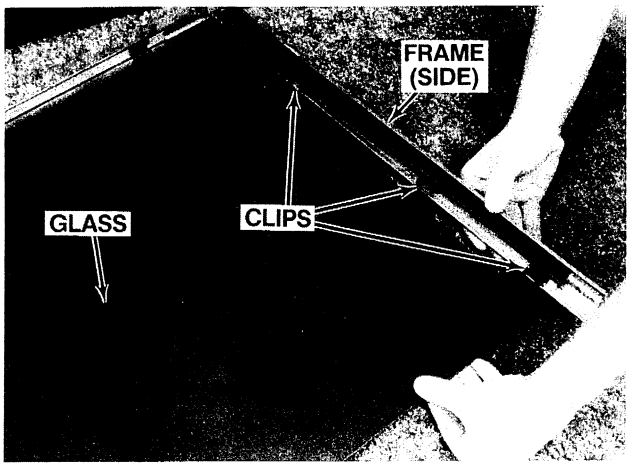
REPLACEMENT

STEP 8 Hold onto the bottom edge of the frame.



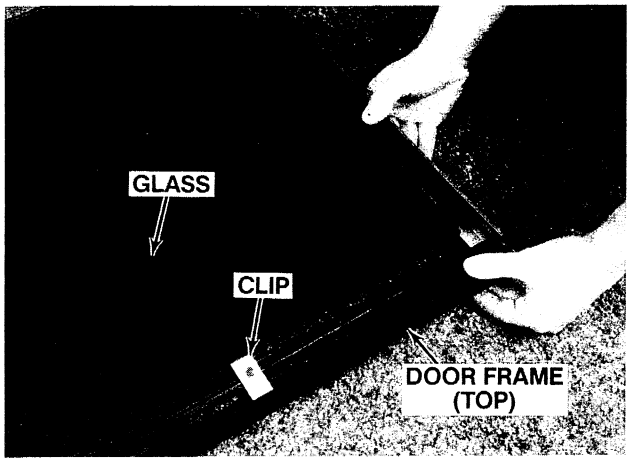
STEP 9 Slide the glass between the clips and the bottom of the frame.

CAUTION: Do not bend the door frame at the two bottom corners.



STEP 10 Slide the glass between the clips and the side of the frame.

STEP 11 Do the same thing to the other side.



STEP 12 Place the top frame, with the glass between the clips and frame, then push down.

NOTE: The door frame MUST be on the outside edges of the top frame.

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.

STEP 13 Replace the handle and end caps *(section M, proc. 4; Type B, steps 9-15).*

STEP 14 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 15 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 6
Middle Glass and Retainer Replacement

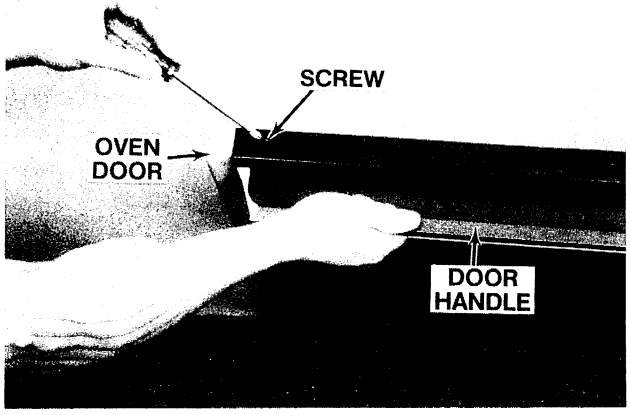
See page 184, illus. no.'s 7 and 8 or page 186, illus. no.'s 33 and 34 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

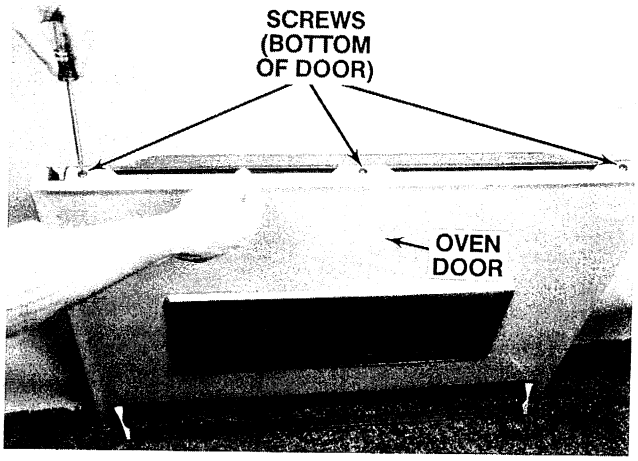
This middle glass is located between the outer glass and window.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*



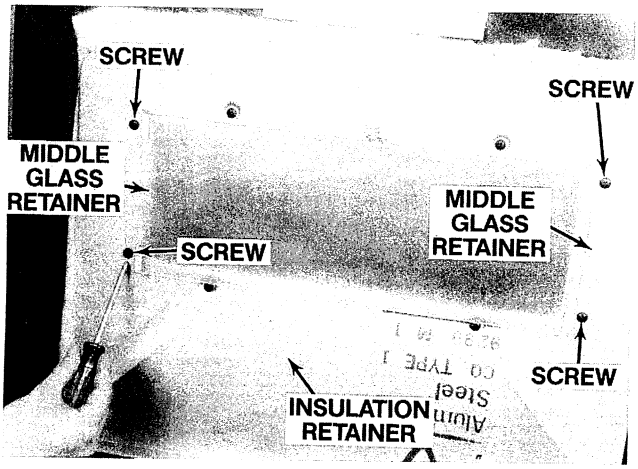
STEP 3 Using a screwdriver, remove the screws on the top of the door.



STEP 4 Using a screwdriver, remove the screws on the bottom of the door.

STEP 5 Separate the inner panel and door panel.

CAUTION: Hold onto the bottom of the glass when removing.



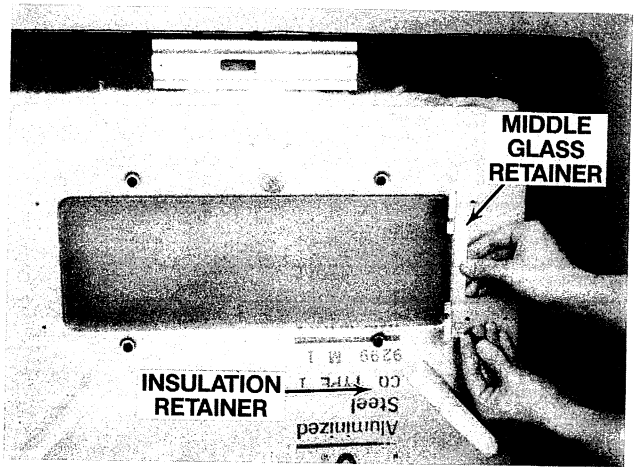
STEP 6 Using a screwdriver, remove the screws holding the middle glass retainer to the insulation retainer.

STEP 7 Carefully remove the middle glass retainer and middle glass.

STEP 8 Using a screwdriver, remove the screws holding the other middle glass retainer to the other side of the insulation retainer.

REPLACEMENT

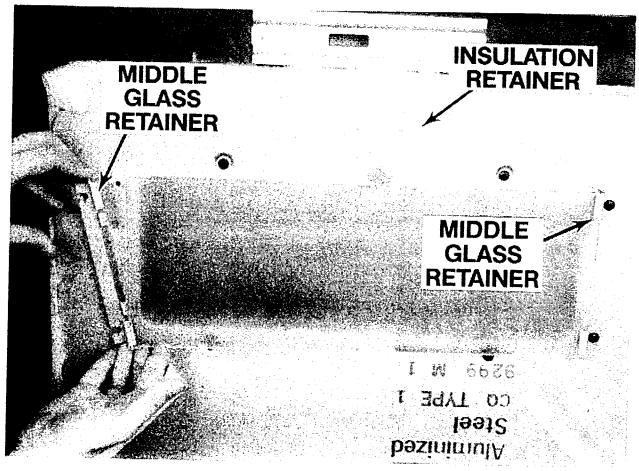
CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.



STEP 9 Using a screwdriver, insert the screws through the middle glass retainer into the insulation retainer and tighten.

STEP 10 Carefully place one end of the middle glass into the middle glass retainer tabs (tabs will be on both sides of the glass).

CAUTION: Hold onto the bottom of the glass when replacing.



STEP 11 Place the middle glass retainer on the middle glass (tabs will be on both sides of the glass).

STEP 12 Using a screwdriver, insert the screws through the middle glass retainer into the insulation retainer and tighten.

STEP 13 Place the inner panel inside the flange on the door panel.

STEP 14 Using a screwdriver, insert the top screws and tighten.

STEP 15 Using a screwdriver, insert the bottom screws and tighten.

STEP 16 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 17 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 7
Insulation Retainer and Insulation Replacement

See page 184, illus. no. 6 and page 186, illus. no. 5 and for location of part.

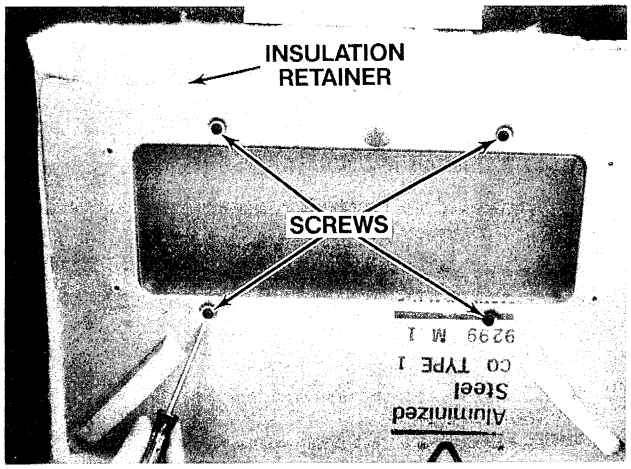
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This insulation retainer is located between the inner door panel and the outer door panel.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

STEP 3 Remove the middle glass and retainers *(section M, proc. 6, steps 3-8).*



STEP 4 Using a screwdriver, remove the screws holding the insulation retainer to the door liner.

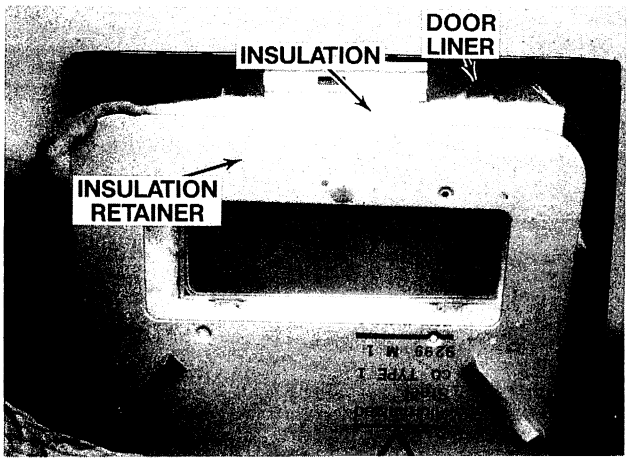
STEP 5 Carefully remove the retainer.

STEP 6 Carefully remove the insulation and tin-foil.

REPLACEMENT

STEP 7 Carefully replace the tin-foil back on the door liner.

STEP 8 Carefully replace the insulation back on the door liner.



STEP 9 Carefully replace the insulation retainer over the insulation and on the door liner.

STEP 10 Using a screwdriver, insert the screws through the insulation retainer into the door liner and tighten.

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.

STEP 11 Replace the middle glass and retainers *(section M, proc. 6, steps 9-15).*

STEP 12 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

PROCEDURE 8
Inner Window Replacement

See page 184, illus. no. 5 or page 186, illus. no. 4 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

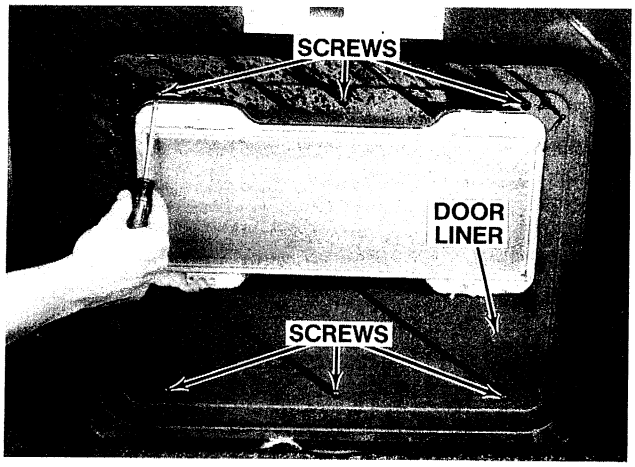
This window is located between the inner door panel and the outer door panel.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

STEP 3 Remove the middle glass and retainers *(section M, proc. 6, steps 3-8).*

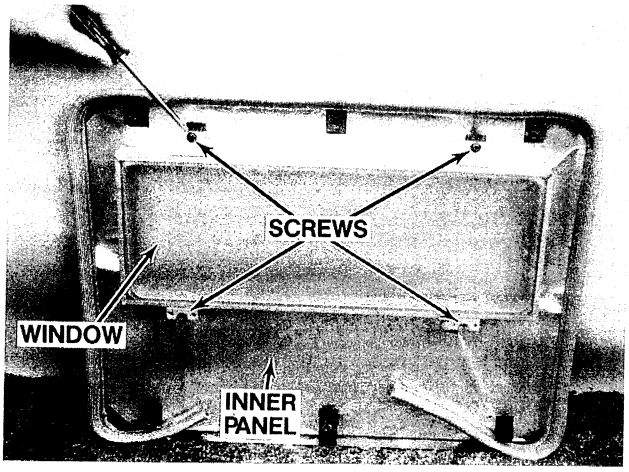
STEP 4 Remove the insulation retainer and insulation *(section M, proc. 7, steps 4-6).*



STEP 5 Using a screwdriver, remove the screws holding the door liner to the interior door panel.

STEP 6 Carefully remove the door liner.

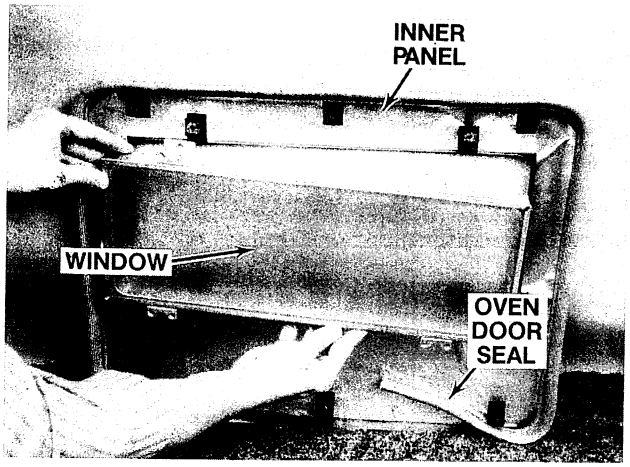
STEP 7 Carefully remove the insulation from around the window.



STEP 8 Using a screwdriver, remove the screws holding the window to the inner panel.

STEP 9 Carefully remove the window from the inner panel.

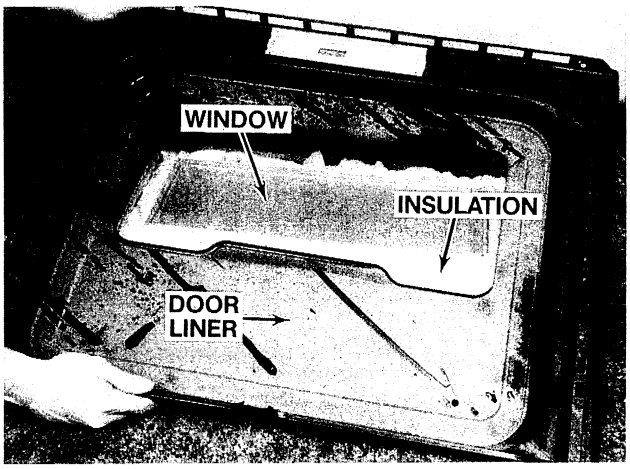
REPLACEMENT



STEP 10 Place the window in the cut-out on the inner panel.

STEP 11 Using a screwdriver, insert the screws through the window into the inner panel and tighten.

STEP 12 Place the insulation around the window.



STEP 13 Place the door liner over the inner panel.

STEP 14 Using a screwdriver, insert the screws through the door liner into the inner panel and tighten.

STEP 15 Replace the insulation retainer and insulation *(section M, proc. 7, steps 7-11).*

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.

STEP 16 Replace the middle glass and retainers *(section M, proc. 6, steps 9-15).*

STEP 17 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 18 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 9
Oven Door Seal

See page 184, illus. no. 3 or page 186, illus. no. 15 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This oven door seal is located on the inner door panel. When the door is shut it forms a tight seal between the door and cabinet.

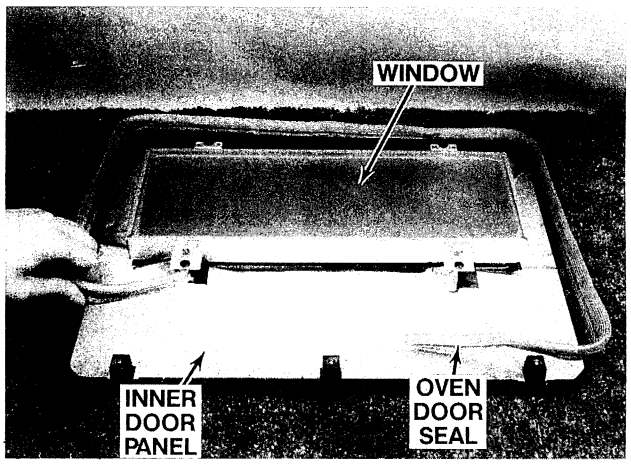
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the oven door *(section M, proc. 3; Type A, steps 2-7 or Type B, steps 1 & 2).*

STEP 3 Remove the middle glass and retainers *(section M, proc. 6, steps 3-8).*

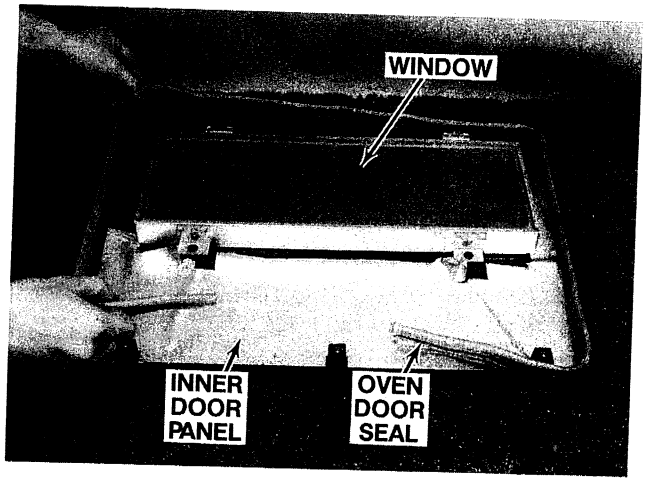
STEP 4 Remove the insulation retainer and insulation *(section M, proc. 7, steps 4-6).*

STEP 5 Carefully remove the insulation from around the window.



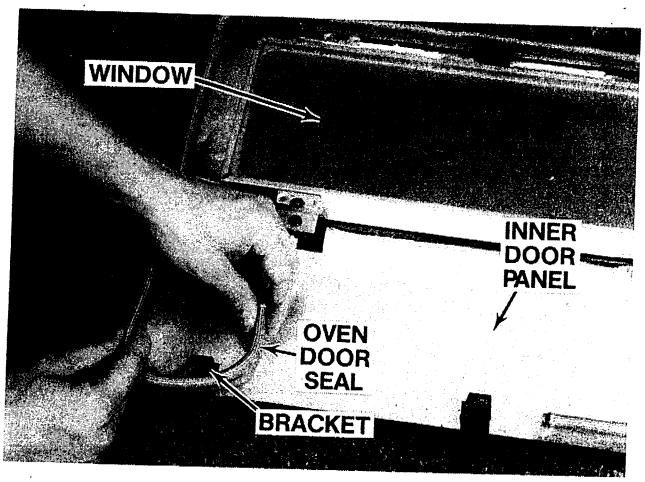
STEP 6 Lift the seal off the inner door panel.

REPLACEMENT



STEP 7 Place the seal down on the edge of the inner door panel.

NOTE: Round part of seal on top edge and flat part with wire, on the inside of the inner panel.



STEP 8 Tuck the ends around the brackets on the inner panel.

STEP 9 Replace the insulation around the window.

STEP 10 Replace the insulation retainer and insulation *(section M, proc. 7, steps 7-11).*

CAUTION: Before putting the panels together, CLEAN the glass of any fingerprints or other marks.

STEP 11 Replace the middle glass and retainers *(section M, proc. 6, steps 9-15).*

STEP 12 Replace the oven door *(section M, proc. 3; Type A, steps 8-13 or Type B, steps 3 & 4).*

STEP 13 Reconnect the electrical power supply. See section B for the proper reconnection.

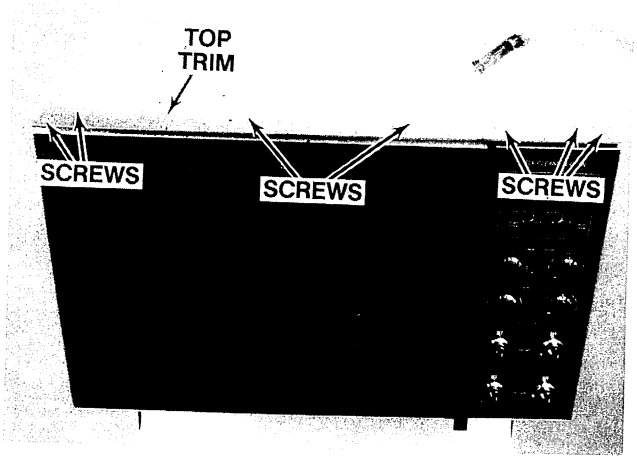
PROCEDURE 10
Upper Oven Door Removal (Eye-Level)

See page 175, for location of parts.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

STEP 1 Disconnect the electrical power supply *(section B).*

CAUTION: Hold onto the door when removing the screws otherwise the door will fall.



STEP 2 Using a screwdriver, remove the screws holding the top trim to the frame.

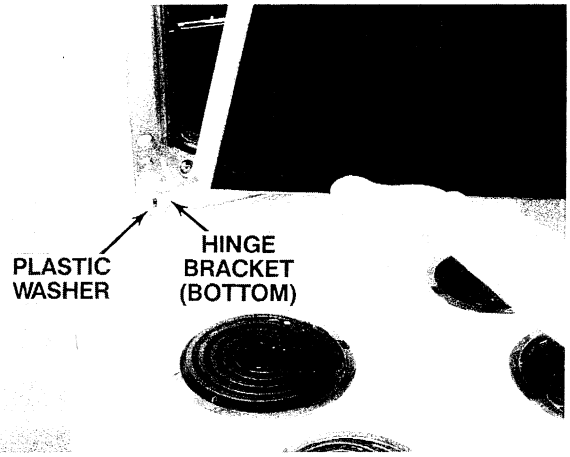
STEP 3 Lift the top trim from the upper door hinge plate.

CAUTION: There are two plastic washers: one on the top hinge plate and one on the bottom hinge plate. We will use them over.

STEP 4 Lift the upper oven door off the bottom hinge plate.

REPLACEMENT

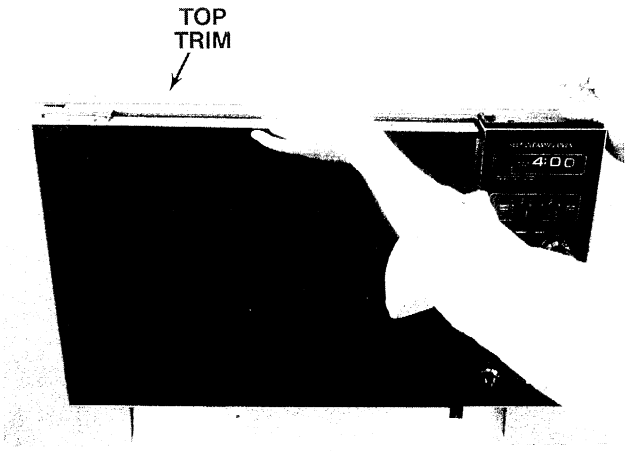
CAUTION: Be sure the plastic washer is on the bottom hinge bracket.



STEP 5 Place the upper oven door on the bottom hinge bracket.

STEP 6 Close the upper oven door.

CAUTION: Be sure the plastic washer is on the top hinge plate.



STEP 7 Place the trim down over the top hinge plate, then line up the screw holes.

STEP 8 Using a screwdriver, insert the screws through the top trim into the frame and tighten.

STEP 9 Reconnect the electrical power supply. See section B for the proper reconnection.

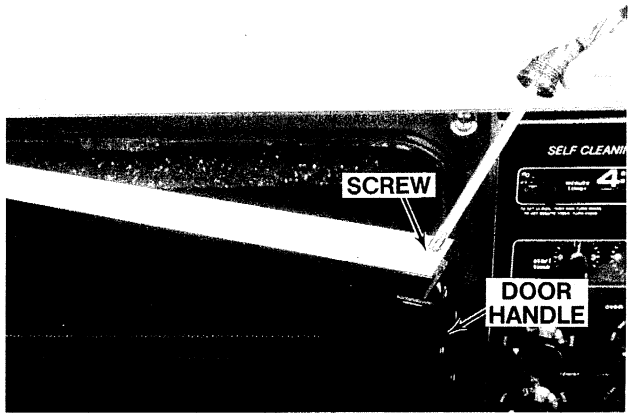
PROCEDURE 11
Door Handle Replacement (Eye-Level)

See page 175, illus. no. 10 for location of part.

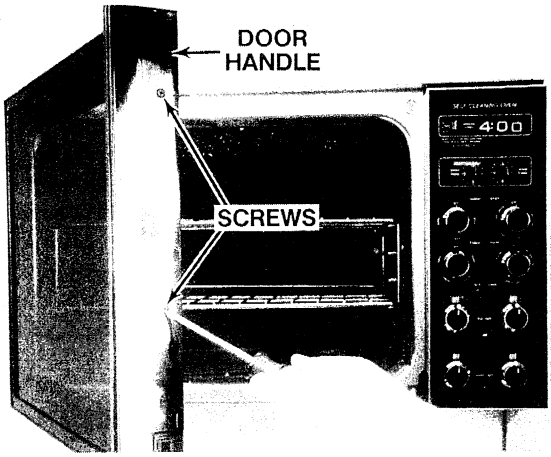
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is used to open the upper oven door.

STEP 1 Disconnect the electrical power supply *(section B).*



STEP 2 Using a screwdriver, remove the top and bottom end screws holding the door handle to the frame.



STEP 3 Using a screwdriver, remove the screws on the edge of the door holding the handle to the door liner.

STEP 4 Carefully remove the door handle.

REPLACEMENT

STEP 5 Place the door handle on the upper oven door edge.

STEP 6 Using a screwdriver, insert the screws through the handle into the door liner and tighten.

STEP 7 Using a screwdriver, insert the screws through the top and bottom of the door frame into the handle and tighten.

STEP 8 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 12
Door Frame, Oven Window and Door Liner Replacement (Eye-Level)

See page 175, illus. no.'s 3, 8 and 9 for location of parts.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

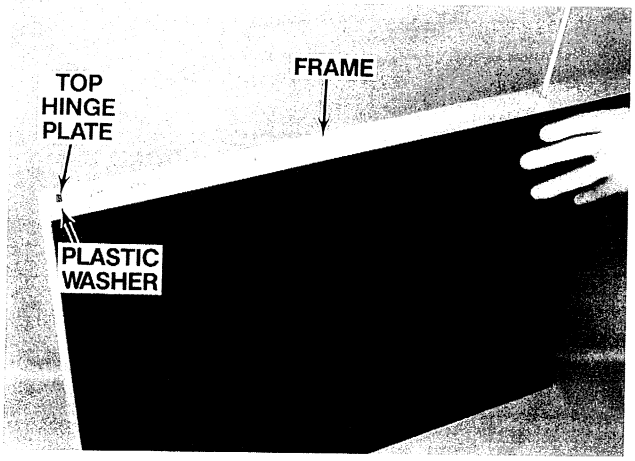
These parts are used to make up the eye-level door assembly.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the eye-level upper oven door *(section M, proc. 10, CAUTION plus steps 2-4).*

STEP 3 Remove the eye-level door handle *(section M, proc. 11, steps 2-4).*

STEP 4 Lay the door assembly on a rug to protect it from scratches.



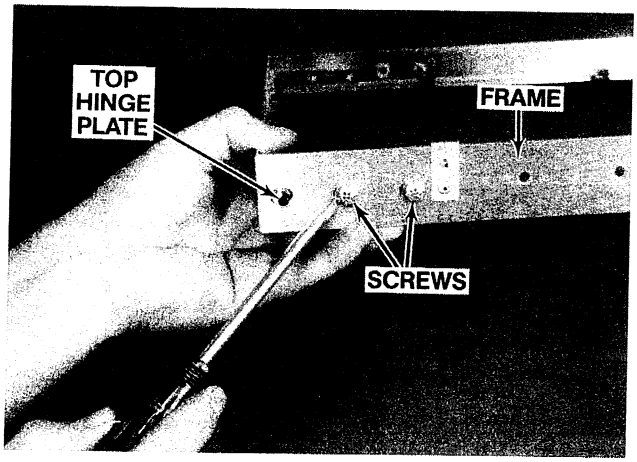
STEP 5 Using a screwdriver, remove all the smaller screws from around the frame.

STEP 6 Carefully remove the door liner from the frame.

STEP 7 Carefully remove the window from the liner.

CAUTION: There will be rubber window cushions that will fall when the parts are removed. We will reuse them.

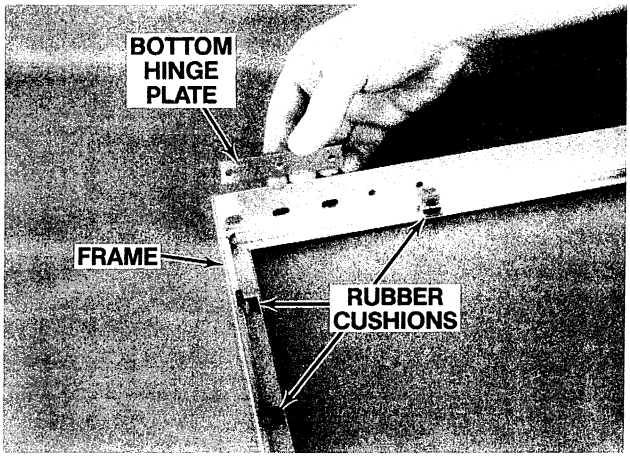
STEP 8 Remove the plastic washer from the top hinge.



STEP 9 Using a screwdriver, remove the screws and washers holding the top hinge plate to the frame.

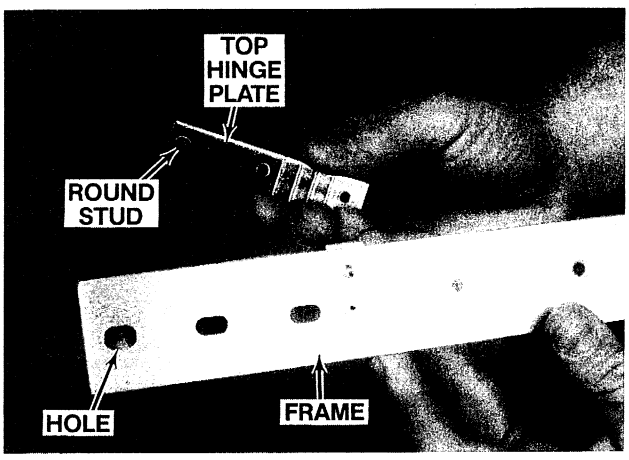
STEP 10 Using a screwdriver, remove the screws and washers holding the bottom hinge plate to the frame.

REPLACEMENT



STEP 11 Place the bottom hinge plate on the inside of the frame.

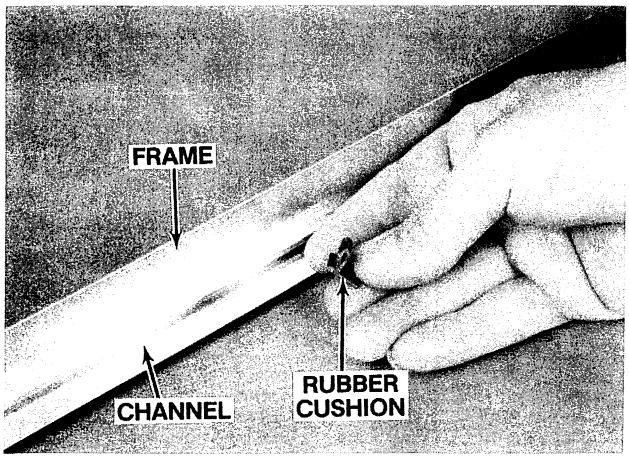
STEP 12 Using a screwdriver, insert the screws and washers through the frame into the plate and tighten.



STEP 13 Place the round stud on the top hinge plate, through the hole from inside the top of the frame.

STEP 14 Using a screwdriver, insert the screws and washers through the frame into the plate and tighten.

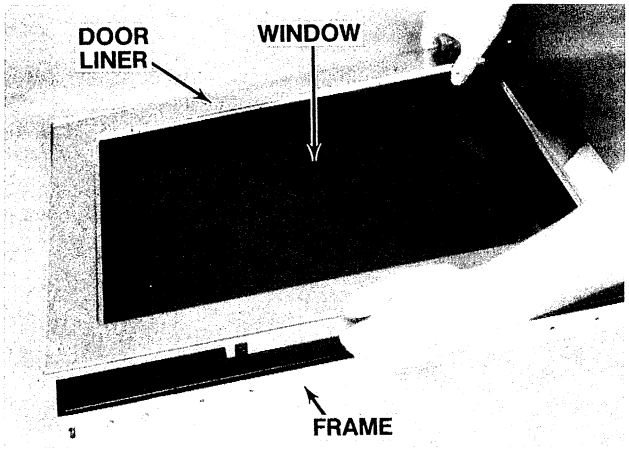
STEP 15 Place the frame face down on a rug.



STEP 16 Place the rubber cushion on the channel on the inside of the frame.

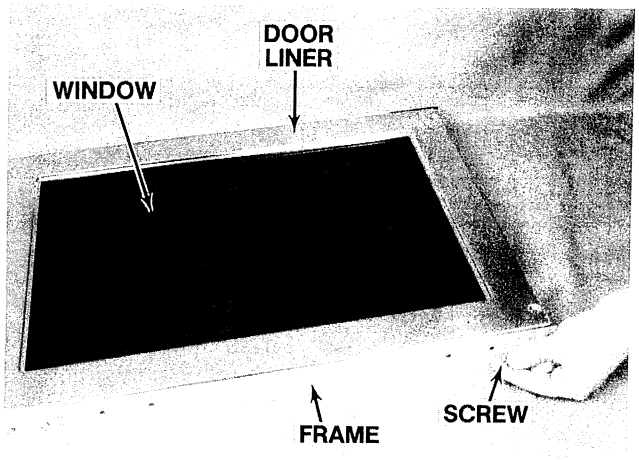
NOTE: Place the curve over the channel and the flat part on the flat of the frame edge. Space them equally.

STEP 17 Lay the window face down on the inside of the frame on top of the rubber cushions.



STEP 18 Lay the door liner on the window and frame.

CAUTION: Be sure the screw holes for the handle are on the side (open end of frame).



STEP 19 Using a screwdriver, insert the screws through the frame into the door liner and tighten.

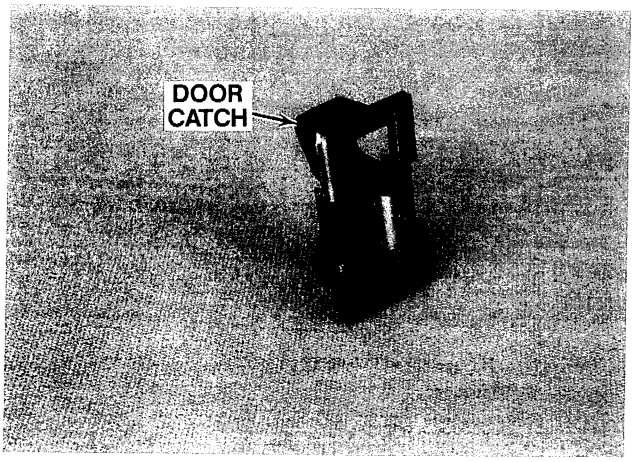
STEP 20 Replace the eye-level door handle *(section M, proc. 11, steps 5-7).*

STEP 21 Place the plastic washer over the stud on the top hinge.

STEP 22 Replace the eye-level upper oven door *(section M, proc. 10, CAUTION plus steps 5-8).*

STEP 23 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 13
Door Catch Replacement (Eye-Level)

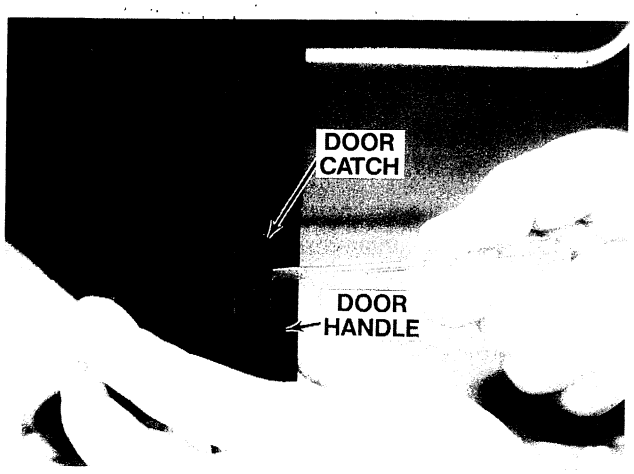


See page 175, illus. no. 11 for location of part.

This part is located on the side of the upper oven door (eye-level) and keeps the door closed.

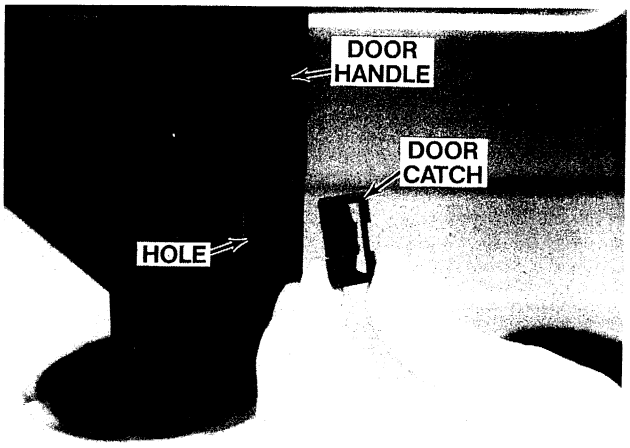
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

STEP 1 Disconnect the electrical power supply *(section B).*



STEP 2 Using a small screwdriver, place it in the slot between the catch and handle and pry out.

REPLACEMENT



STEP 3 Place the catch in the hole in the side of the handle and push until it snaps into place.

STEP 4 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 14
Upper Oven Door Seal Replacement (Eye-Level)

See page 176, illus. no. 3 for location of part.

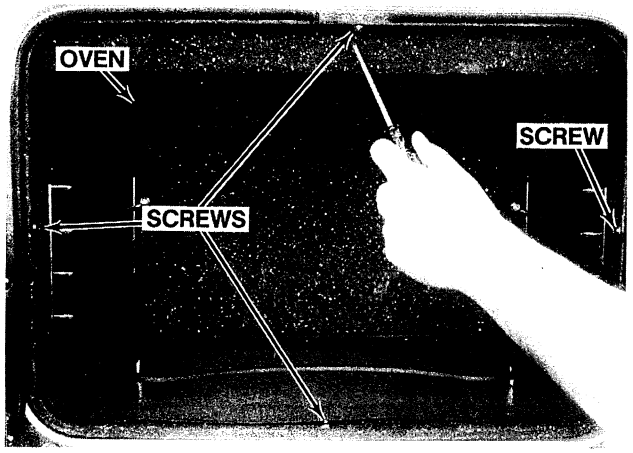
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This oven door seal is located on the front frame of the oven. When the door is shut it forms a tight seal between the door and cabinet.

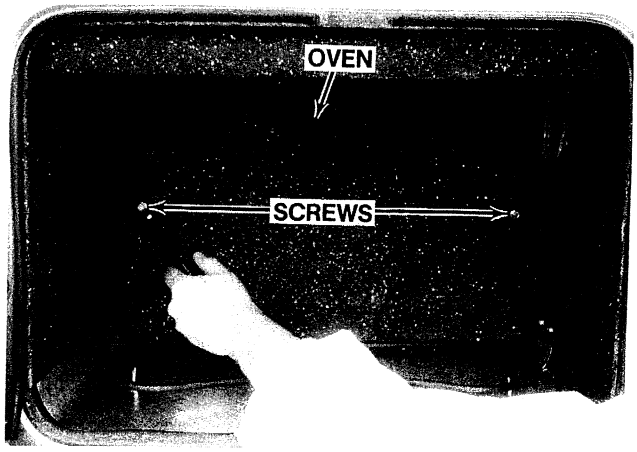
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Open the oven door and remove the racks.

STEP 3 Remove the oven support racks *(section L, proc. 17, steps 2 & 3).*



STEP 4 Using a screwdriver, remove the screws holding the oven to the frame.



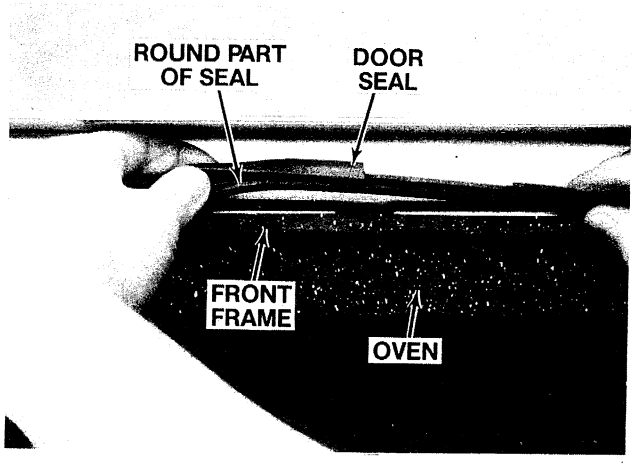
STEP 5 Using a nutdriver or socket wrench, loosen the back two screws about 2-4 turns.

STEP 6 Pull the oven out to the back two screws you just loosened.

STEP 7 Pull the door seal off the edge of the oven.

REPLACEMENT

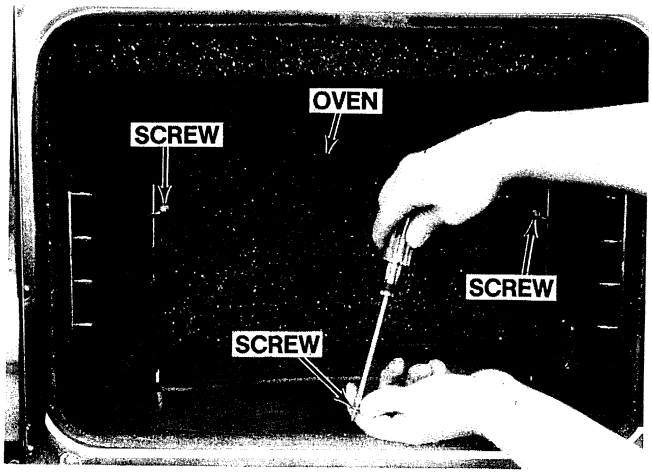
STEP 8 Center the door seal around the oven.



STEP 9 Place the round part of the seal between the edge of the oven and front frame.

STEP 10 Carefully push the oven back.

STEP 11 Using a nutdriver or socket wrench, tighten the two back screws.



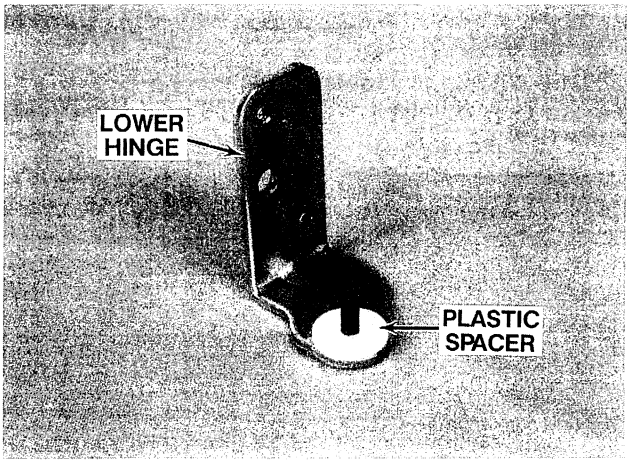
STEP 12 Using a screwdriver, insert the screws in the sides, top and bottom, into the frame and tighten.

STEP 13 Replace the oven support racks *(section L, proc. 17, steps 4 & 5).*

STEP 14 Replace the racks and close the oven door.

STEP 15 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 15
Lower Hinge Replacement (Eye-Level)



See page 176, illus. no. 6 for location of part.

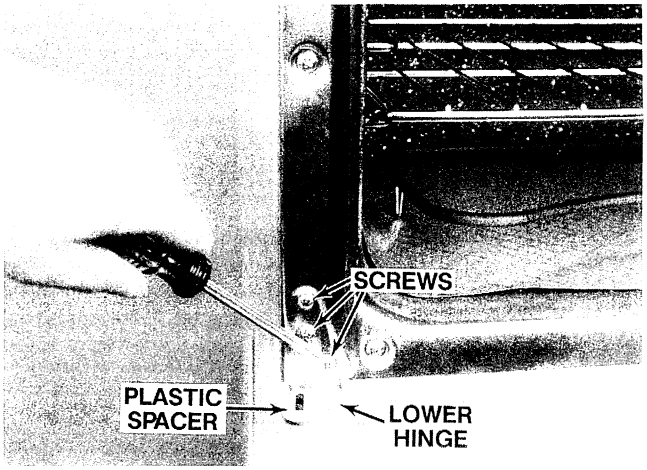
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located in the lower left corner of the upper oven. The oven door swings on this lower hinge.

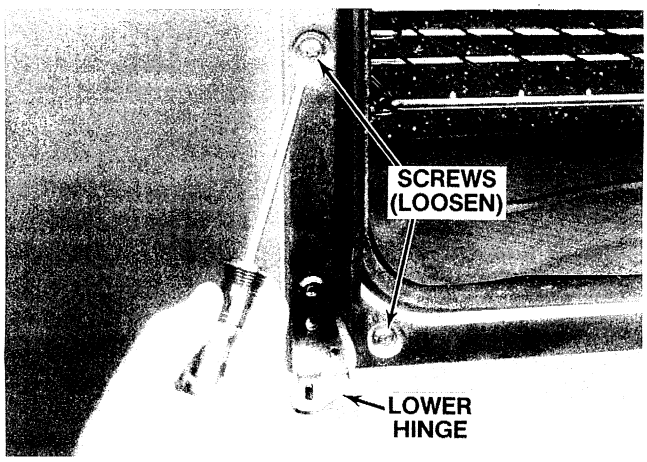
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the upper oven door *(section M, proc. 10, CAUTION plus steps 2-4).*

CAUTION: There is a plastic spacer on the lower hinge. We will use this over.



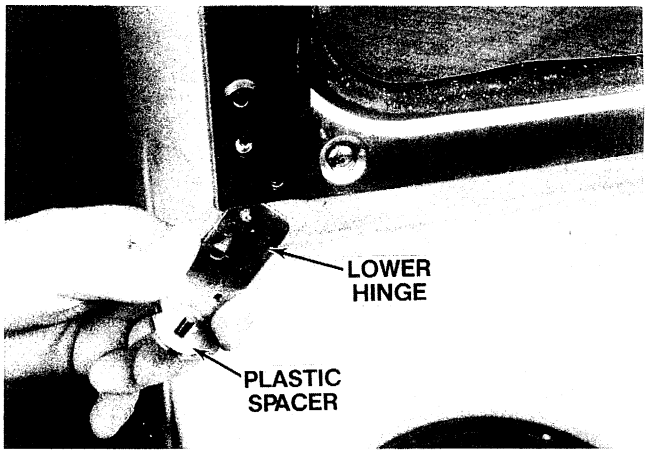
STEP 3 Using a screwdriver, remove the screws holding the lower hinge to the frame.



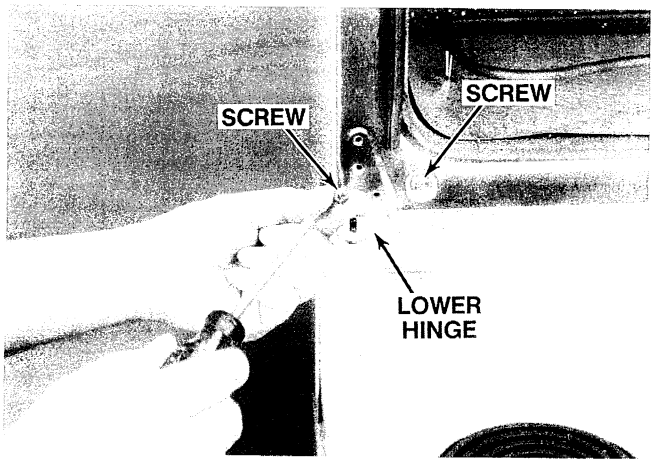
STEP 4 Using a screwdriver, loosen the screws on each side of the lower hinge.

STEP 5 Slide the lower hinge down to remove.

REPLACEMENT



STEP 6 Slide the lower hinge up between the frames, lining up the screw holes.



STEP 7 Using a screwdriver, insert the screws through the frame into the lower hinge and tighten.

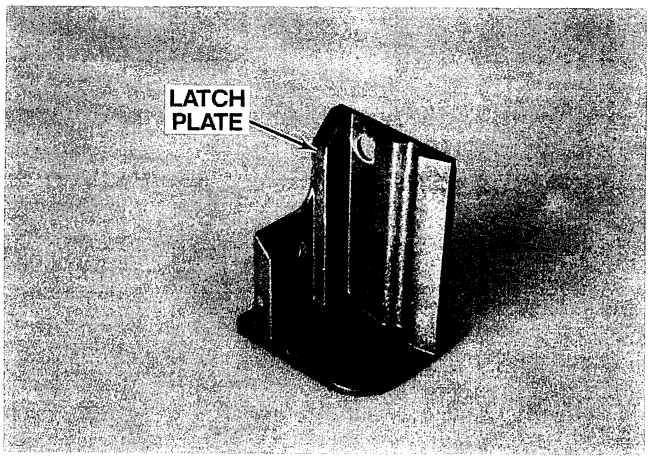
STEP 8 Using a screwdriver, tighten the screws on each side of the hinge.

CAUTION: Be sure the plastic spacer is on the lower hinge.

STEP 9 Replace the upper oven door *(section M, proc. 10, CAUTION plus steps 5-8).*

STEP 10 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 16
Latch Plate Replacement

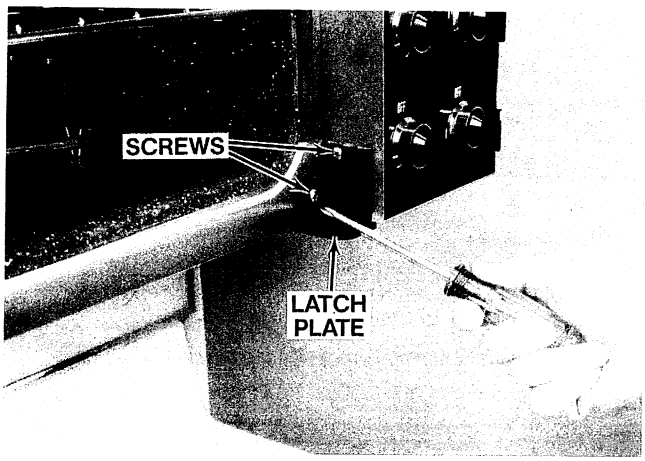


See page 176, illus. no. 5 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

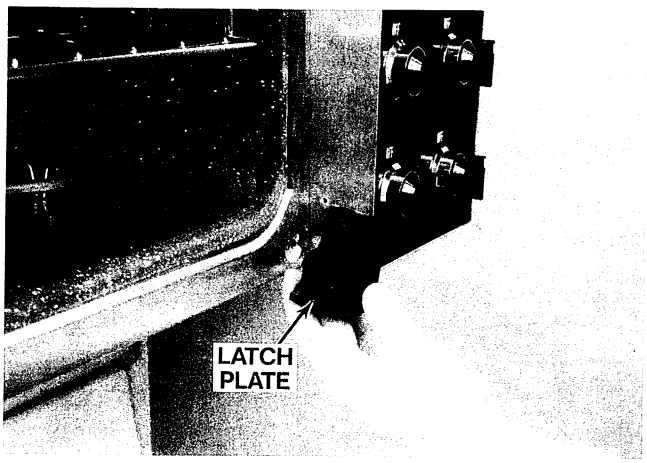
This part is located on the side of the control panel on the upper oven door (eye-level) and helps keep the door closed.

STEP 1 Disconnect the electrical power supply *(section B).*



STEP 2 Using a screwdriver, remove the screws holding the latch plate to the control panel and frame.

REPLACEMENT



STEP 3 Place the latch plate in position.

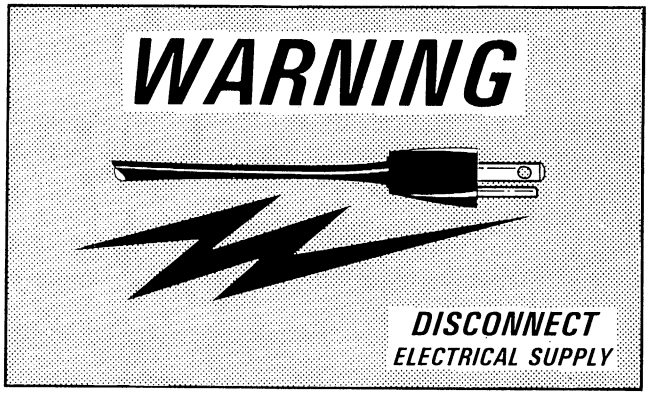
STEP 4 Using a screwdriver, insert the screws through the latch plate, into the frame and control panel and tighten.

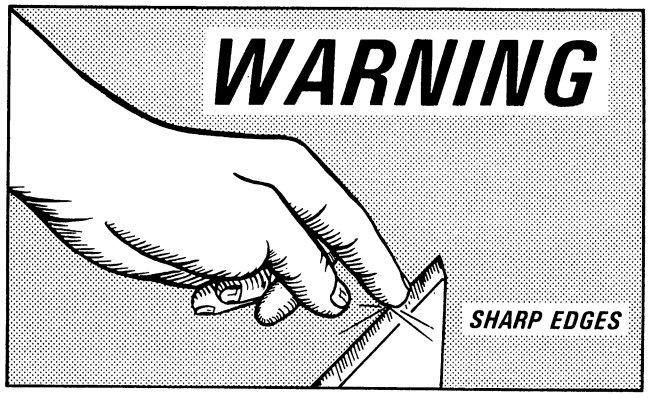
STEP 5 Reconnect the electrical power supply. See section B for the proper reconnection.

SECTION N

Modular Area

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.

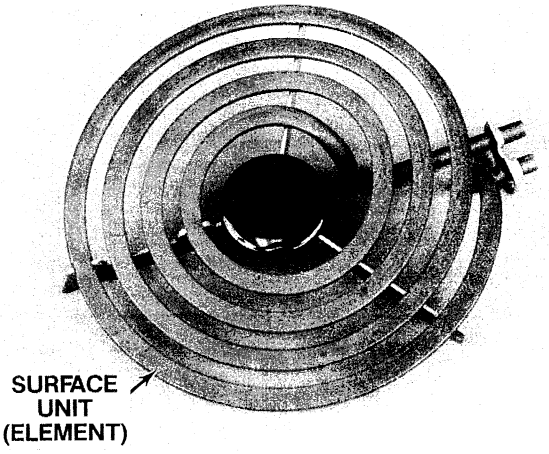




WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

PROCEDURE 1
Surface Unit (Element) Testing and/or Replacement



See page 194, illus. no. 13 for location of part.

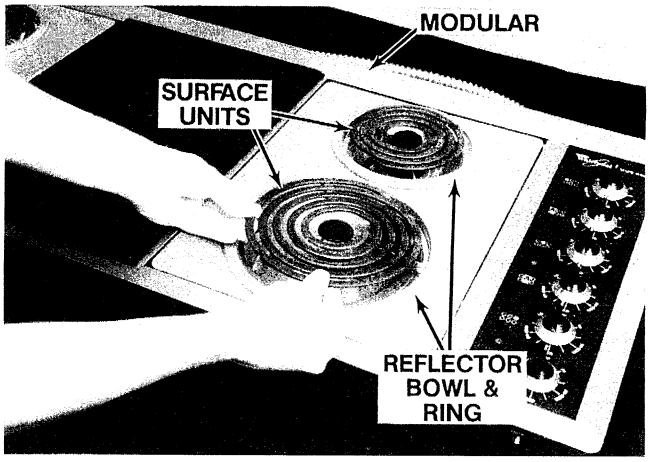
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

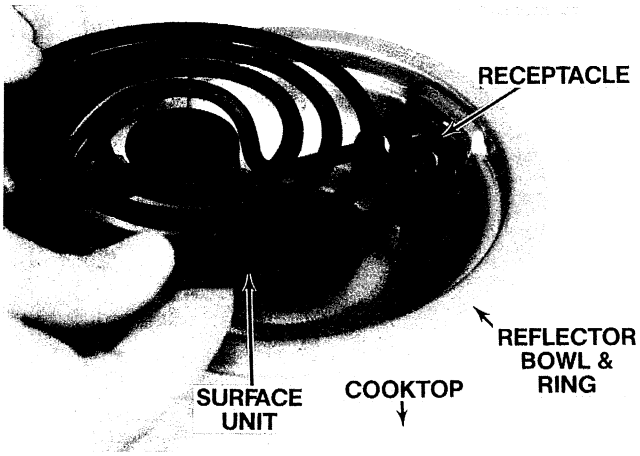
This part is located on the top of the range and is used in cooking your food.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.



STEP 2 Lift the edge of the surface unit (opposite plug-in's) just enough to clear the reflector bowl.

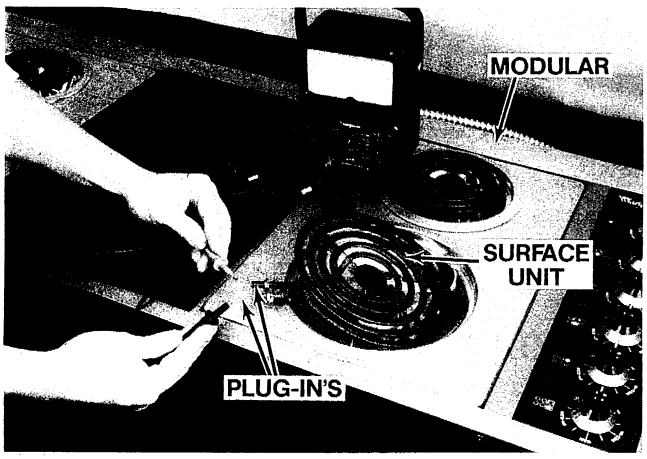


STEP 3 Pull the surface unit out of the receptacle. You may have to wiggle it back and forth while pulling.

TESTING

STEP 4 You must know how to use an ohmmeter.

STEP 5 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 10-70 ohms. Set the ohms scale and ZERO the meter.

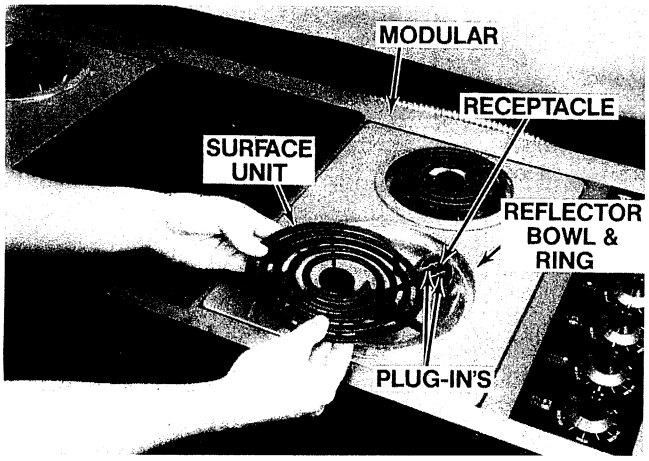


STEP 6 Touch one ohmmeter probe to one of the plug-in's (terminal).

STEP 7 Touch the other ohmmeter probe to the other plug-in (terminal).

STEP 8 The ohmmeter should shown between 10-70 ohms. If not, the surface unit is bad and needs replacing.

REPLACEMENT



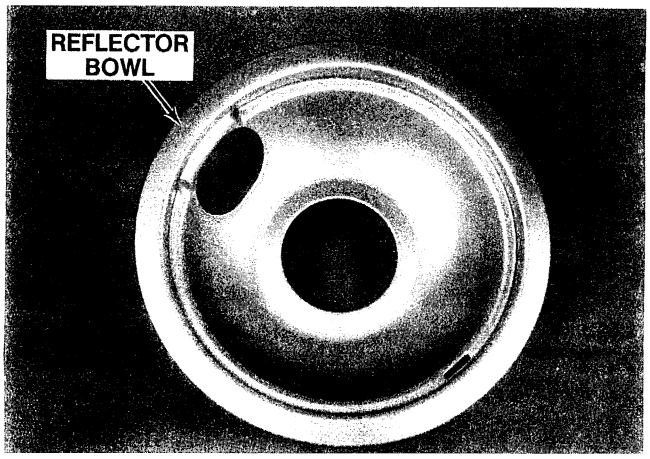
STEP 9 Hold the surface unit as level as you can. With the surface unit plug-in's (terminals) just starting into the receptacle.

STEP 10 Push the surface unit plug-in's (terminals) into the receptacle.

NOTE: With the surface unit pushed all the way into the receptacle, the surface unit will fit into and on the reflector bowl.

STEP 11 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 2
Reflector Bowl and Adapter Ring Replacement



See page 194, illus. no. 12 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

These parts are located under the surface unit on the top of the range.

STEP 1 Disconnect the electrical power supply *(section B).*

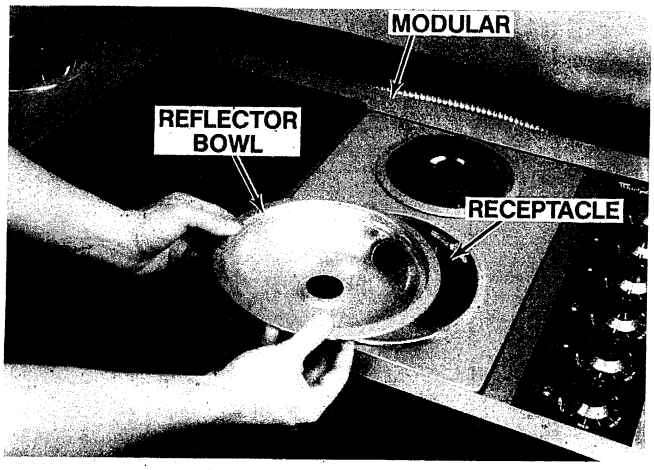
WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface unit *(section N, proc. 1, steps 2 & 3).*

STEP 3 Remove the reflector bowl.

STEP 4 Remove the adapter ring (if used).

REPLACEMENT



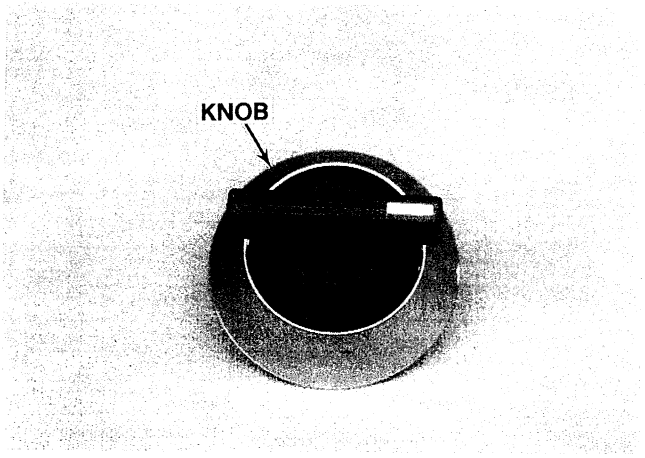
STEP 5 Place the adapter ring (if used) with the cut-out in line with the receptacle.

STEP 6 Place the reflector bowl with the cut-out in line with the receptacle.

STEP 7 Replace the surface unit *(section N, proc. 1, steps 9 & 10).*

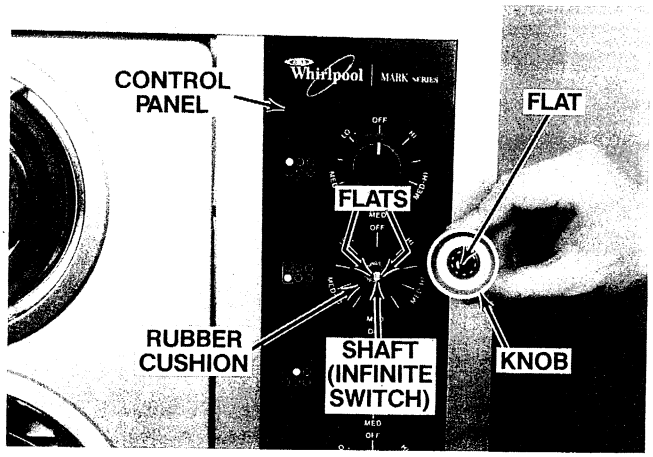
STEP 8 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 3
Control Knob Replacement



See page 192, illus. no. 25 for location of part.

This part is used to turn the different controls ON or OFF.



STEP 1 To replace this type of knob, pull straight off.

Notice the flats or grooves on the shaft of the switch and the flats or grooves in the back of the control knob.

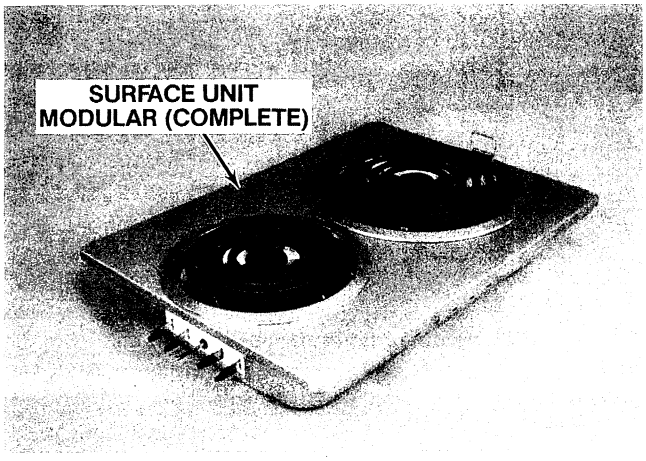
STEP 2 Pull the rubber bushing out of the control panel.

REPLACEMENT

STEP 3 Push the rubber bushing in the hole in the control panel.

STEP 4 Line up the flats or grooves on the knob with the flats or grooves on the switch shaft, then push on.

PROCEDURE 4
Surface Unit Modular (Complete) Removal



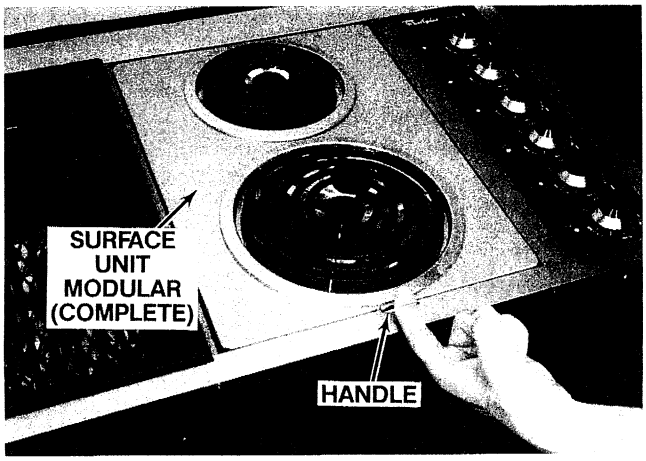
See page 194, illus. no. 1 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

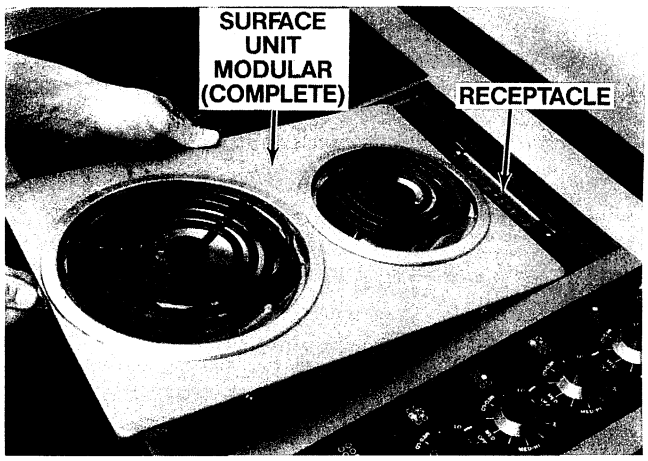
STEP 1 Disconnect the electrical power supply *(section B).*

REMOVAL

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.



STEP 2 Place a finger in the cooktop handle and lift just enough to clear the frame.



STEP 3 Pull the modular unit out of the receptacle. You may have to wiggle it back and forth while pulling.

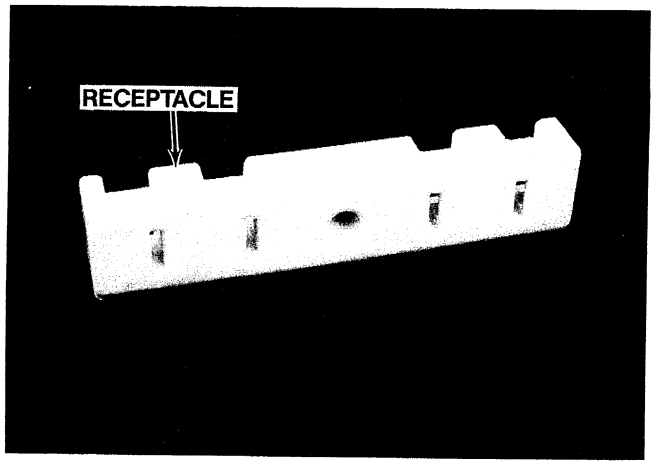
REPLACEMENT

STEP 4 Hold the modular unit as level as you can with the unit plug-in's (terminals) just starting into the receptacle.

STEP 5 Push the modular unit all the way into the receptacle. You may have to wiggle it back and forth while pushing.

STEP 6 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 5
Receptacle Replacement



See page 194, illus. no. 3 for location of part.

This part is located under the modular cooktop. The surface unit (element) plugs into it.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

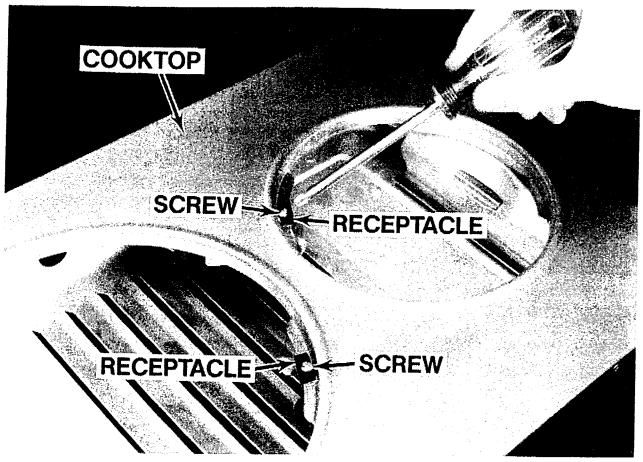
STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

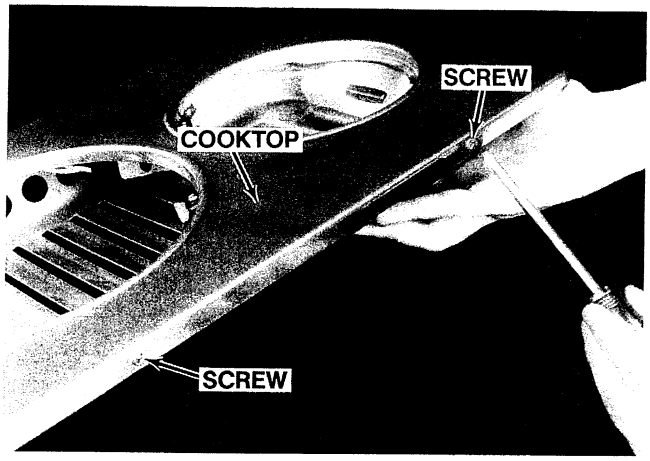
STEP 2 Remove the surface unit modular *(section N, proc. 4, WARNING, plus steps 2 & 3).*

STEP 3 Remove the surface units *(section N, proc. 1, steps 2 & 3).*

STEP 4 Remove the reflector bowl and adapter ring *(section N, proc. 2, steps 3 & 4).*

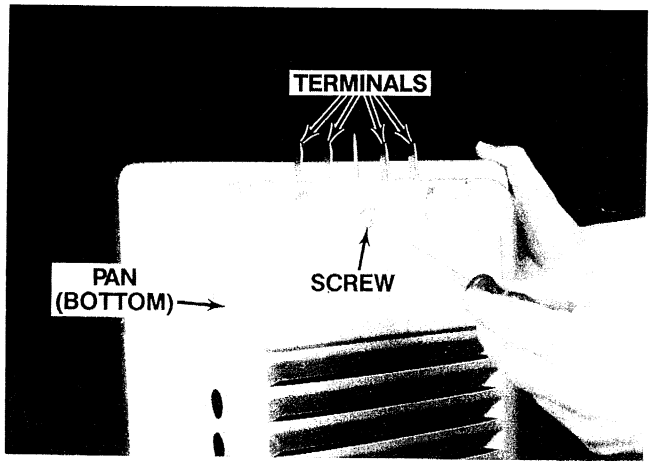


STEP 5 Using a screwdriver, remove the screws holding both receptacles to the cooktop.

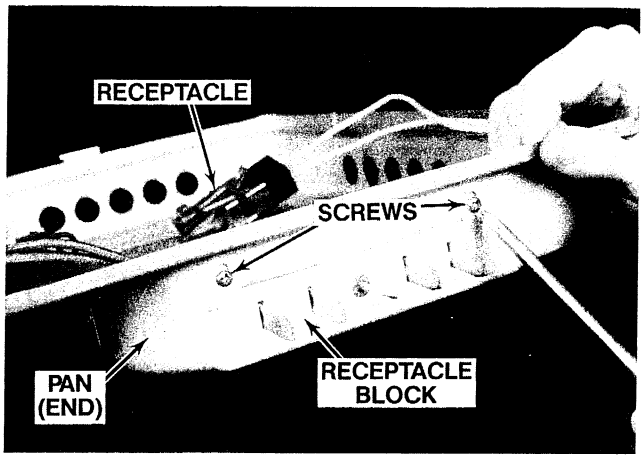


STEP 6 Using a screwdriver, remove the screws on each side holding the cooktop to the pan.

STEP 7 Carefully remove the cooktop off the pan.



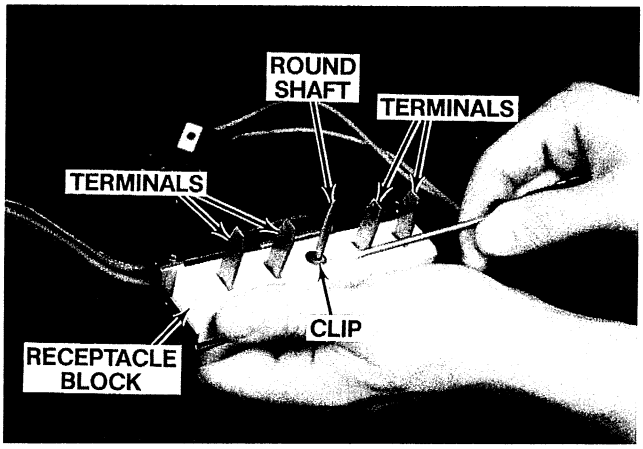
STEP 8 Using a screwdriver, remove the bottom screw holding the ground bracket to the pan.



STEP 9 Using a screwdriver, remove the screws on the end holding the shield to the pan.

STEP 10 Remove the wires from the plastic clips on both sides of the pan.

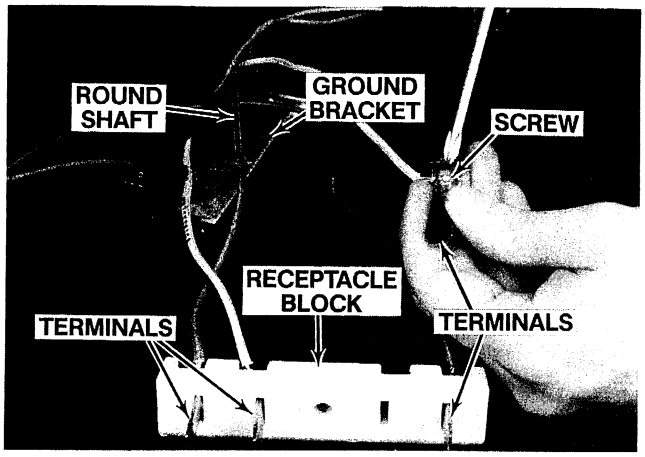
STEP 11 Carefully remove the receptacles and block out of the pan.



STEP 12 Using a small screwdriver, pry the little clip off the round shaft.

STEP 13 Carefully pull the bracket away from the block.

CAUTION: Notice the way the receptacle is attached to the terminal and the way the terminal is in the block.



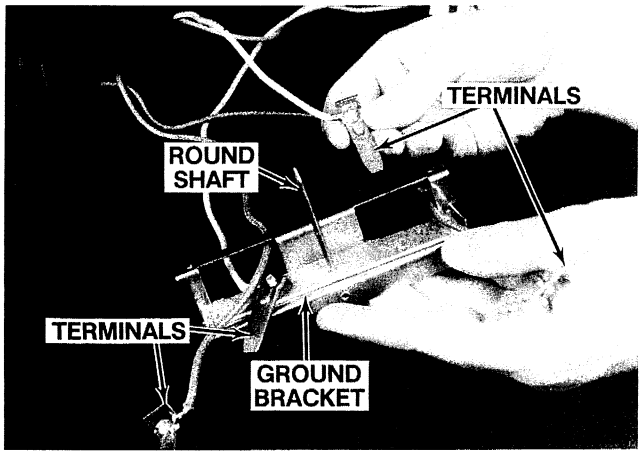
STEP 14 Using a screwdriver, remove the screws holding the receptacle wires to the terminals.

STEP 15 Carefully pull the receptacle wires out of the ground bracket.

REPLACEMENT

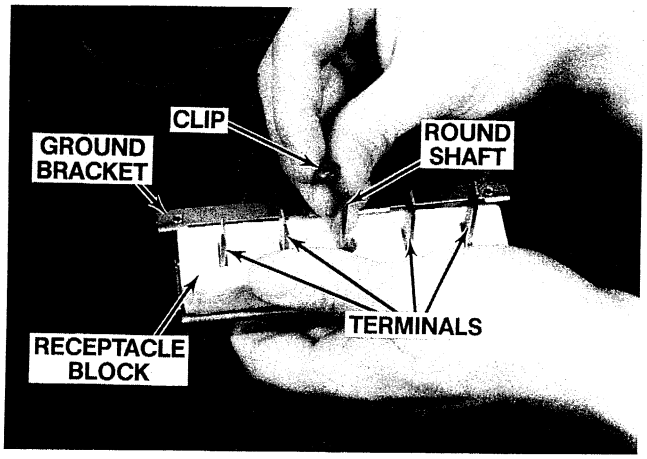
STEP 16 Place the receptacle wires on the terminals.

STEP 17 Using a screwdriver, insert the screws through the receptacle wires, into the terminals and tighten.

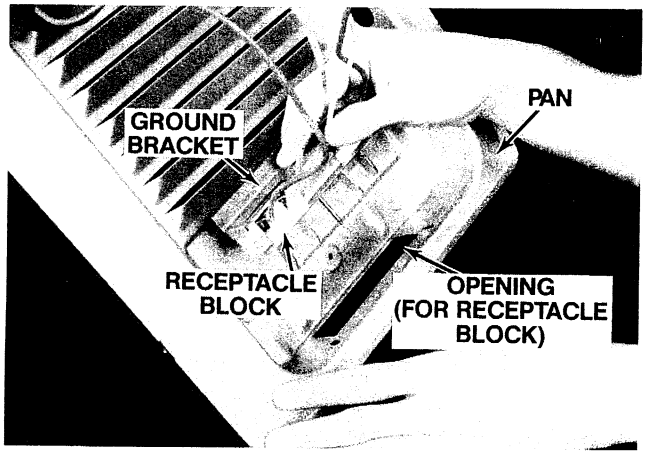


STEP 18 Place the terminals through the ground bracket.

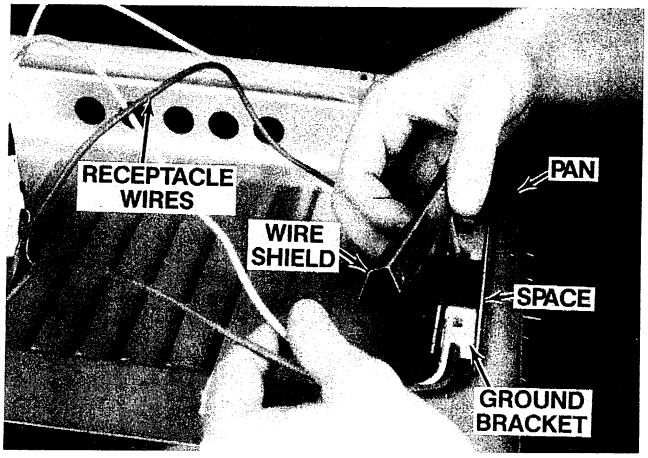
STEP 19 Place the block over the terminals and the round shaft on the ground bracket.



STEP 20 Push the clip all the way down the round shaft to hold the block and ground bracket together.



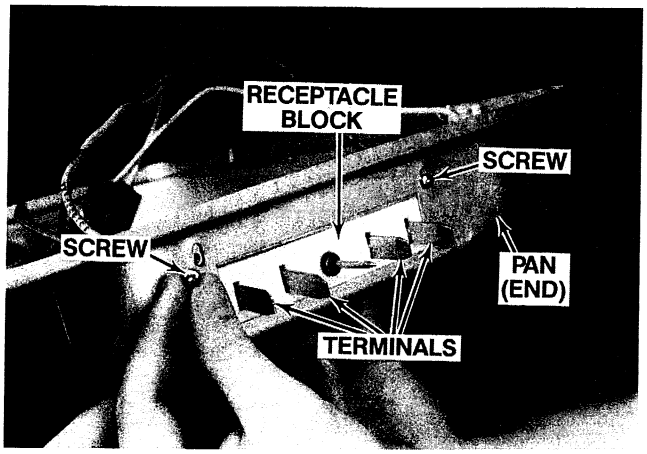
STEP 21 Place the receptacles, ground bracket and block into the pan.



STEP 22 Place the wire shield over the ground bracket with the edge between the ground bracket and pan.

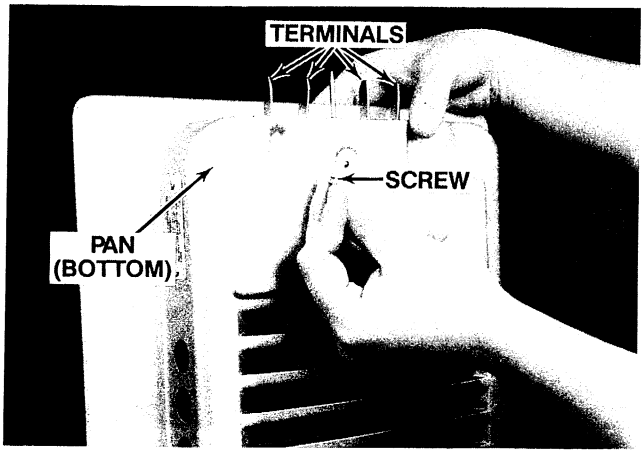
CAUTION: The wires must come out the sides.

STEP 23 Line up the holes in the pan, wire shield and ground bracket.



STEP 24 Using a screwdriver, insert the screws through the end of the pan, the wire shield and into the ground bracket.

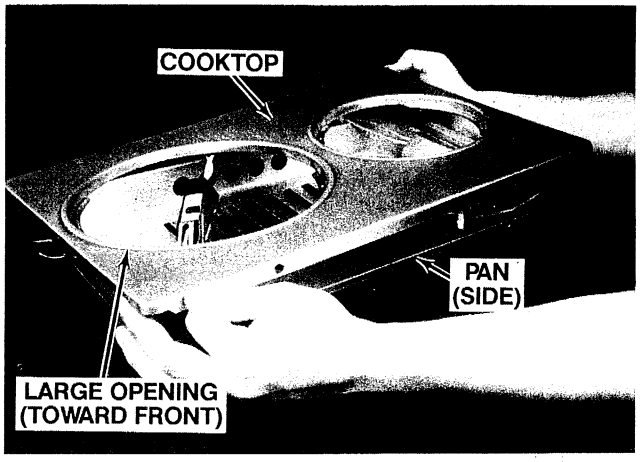
DO NOT tighten the screws yet.



STEP 25 Using a screwdriver, insert the bottom screw through the pan, into the ground bracket and tighten.

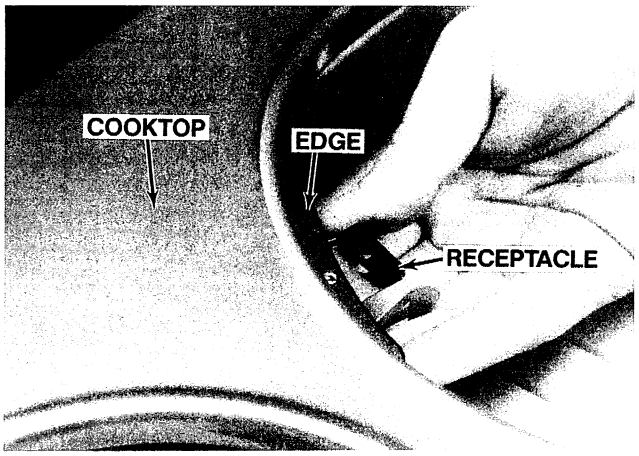
STEP 26 Now tighten the screws from step 24.

STEP 27 Place the wires in the clip.



STEP 28 Place the cooktop on the pan with the large opening toward the front.

STEP 29 Using a screwdriver, insert the screws on each side, through the cooktop into the pan and tighten.



STEP 30 Place the receptacle bracket over the edge of the cooktop.

STEP 31 Using a screwdriver, insert the screw through the receptacle into the edge of the cooktop and tighten.

STEP 32 Do the same to the other receptacle as in steps 30 and 31.

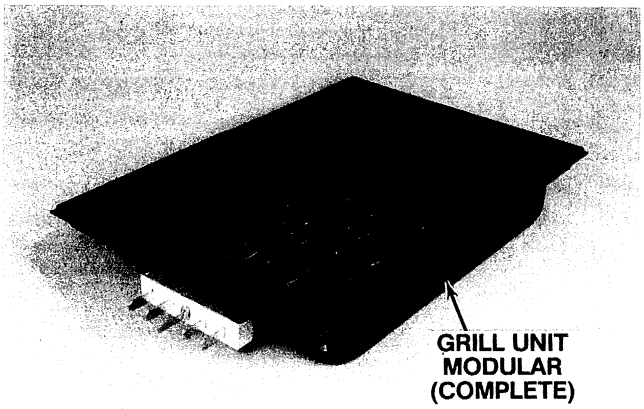
STEP 33 Replace the reflector bowl and adapter ring *(section N, proc. 2, steps 5 & 6).*

STEP 34 Replace the surface units *(section N, proc. 1, steps 9 & 10.)*

STEP 35 Replace the surface unit modular *(section N, proc. 4, steps 3 & 4).*

STEP 36 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 6
Grille Unit Modular (Complete) Removal



See page 194, illus. no. 16 for location of part.

WARNING: ***TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).***

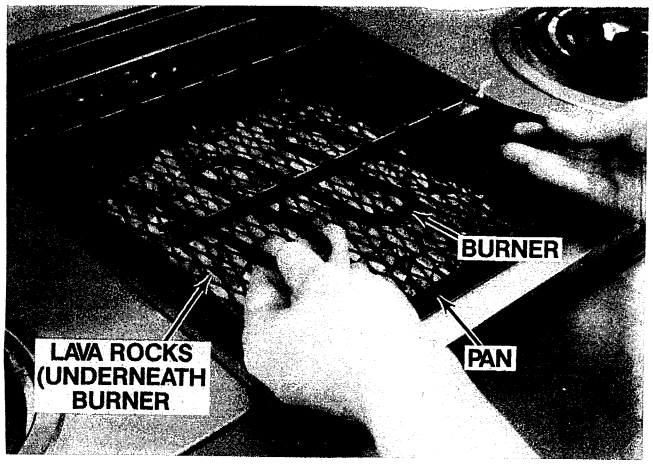
STEP 1 Disconnect the electrical power supply *(section B).*

REMOVAL

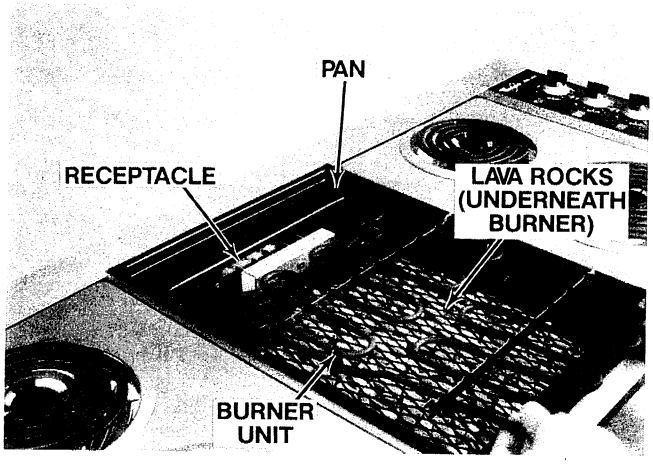
WARNING: ***BEFORE TOUCHING THE RACKS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.***

STEP 2 Remove both racks by lifting off the pan.

WARNING: ***BEFORE TOUCHING THE BURNER MAKE SURE IT WAS NOT JUST TURNED ON OR OFF. IF IT IS WARM OR HOT LET IT COOL DOWN.***



STEP 3 Lift the front edge of the burner unit, just enough to clear the pan.

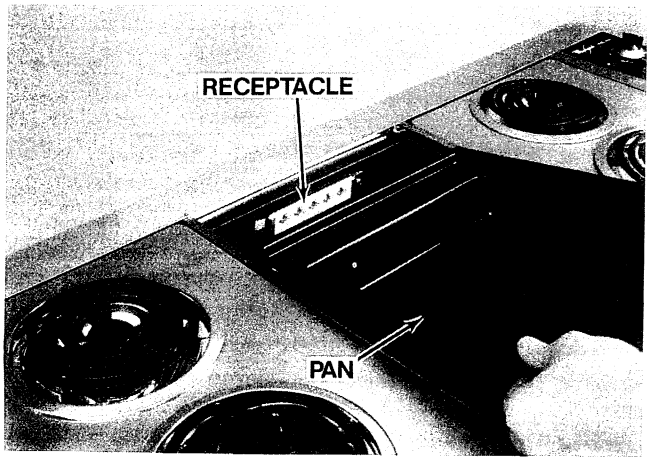


STEP 4 Pull the burner unit out of the receptacle. You may have to wiggle it back and forth while pulling.

STEP 5 Lift the lava rocks out of the pan.

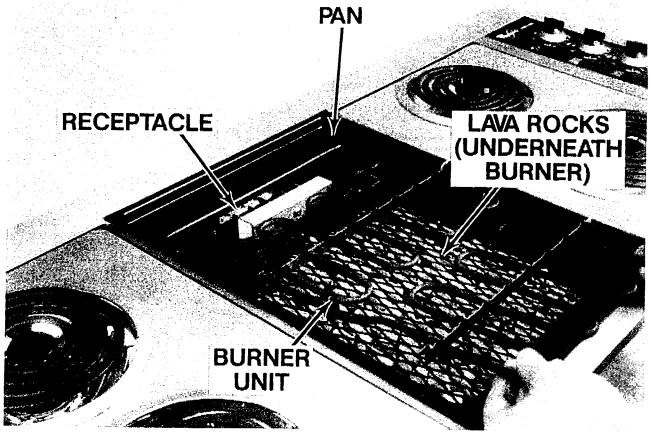
STEP 6 Lift the pan out of the cooktop.

REPLACEMENT



STEP 7 Place the pan back into the cooktop with the cut-out facing toward the back.

STEP 8 Place the lava rocks back into the pan. Make sure the legs are resting on the pan.



STEP 9 Hold the burner unit as level as you can with the unit plug-in's (terminals) just starting into the receptacle.

STEP 10 Push the burner unit all the way into the receptacle. You may have to wiggle it back and forth while pushing.

STEP 11 Replace both racks back onto the pan.

STEP 12 Reconnect the electrical power supply. See section B for the proper reconnection.

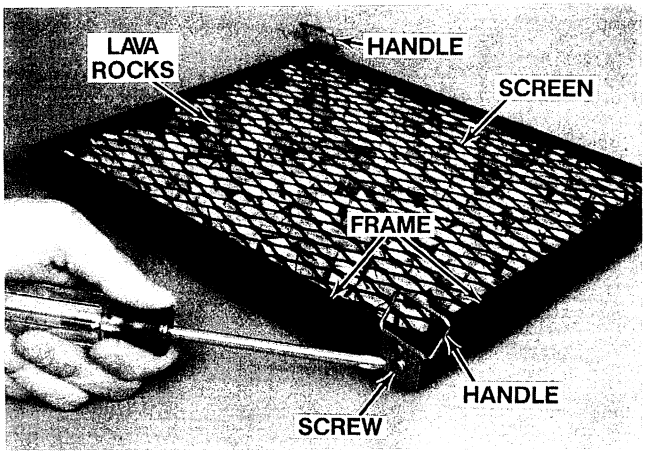
PROCEDURE 7
Lava Rock Replacement

See page 194, illus. no. 23 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Remove the grille unit modular *(section N, proc. 6, steps 2-5).*

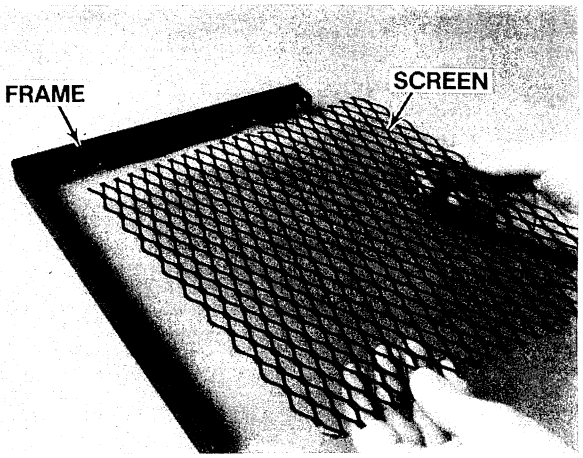


STEP 3 Using a screwdriver, remove the screws on the two corners holding the handles and frame together.

STEP 4 Carefully remove the frames and top screen.

STEP 5 Remove the lava rock off the bottom screen.

REPLACEMENT



STEP 6 Place the bottom screen in the channel of one of the frames.

STEP 7 Place the lava rock on the bottom screen.

STEP 8 Place the other screen on top of the lava rock and slide it in the channel of the frame.

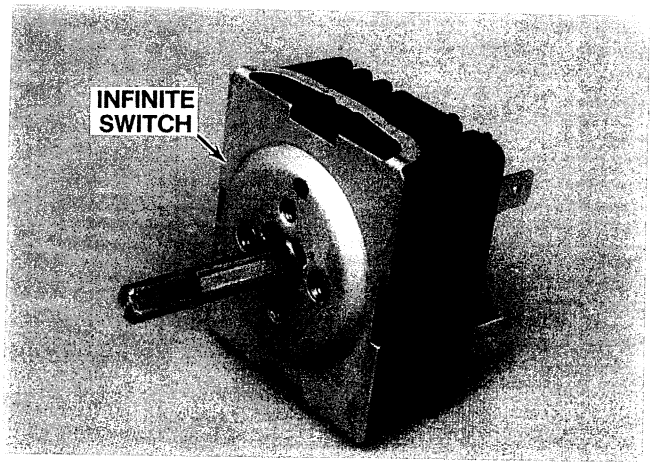
STEP 9 Slide the other frame over the screens.

STEP 10 Using a screwdriver, insert the screws through the handles into the corners of the frame and tighten.

STEP 11 Replace the grille unit modular *(section N, proc. 6, steps 8-11).*

STEP 12 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 8
Infinite Switch Testing and/or Replacing



See page 192, illus. no. 15 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

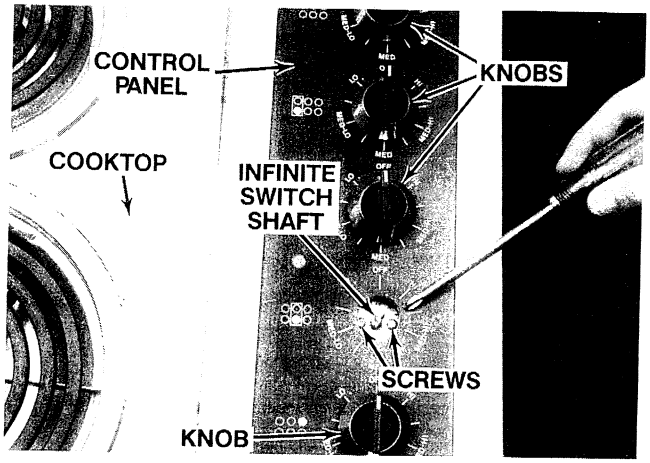
OHMMETER REQUIRED

This infinite switch, located on the right side of the modular range, is used to turn the different modulars ON and OFF.

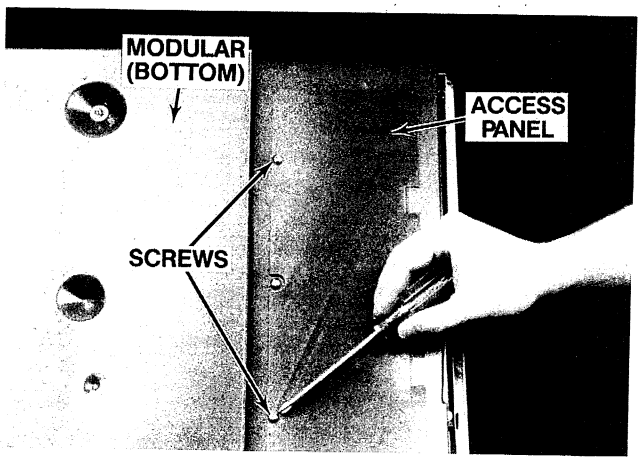
STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Turn the control knob to HIGH.

STEP 3 Remove the control knob *(section N, proc. 3, steps 1 & 2).*



STEP 4 Using a screwdriver, remove the two screws under the control knob, holding the infinite switch to the control bracket.



STEP 5 Using a screwdriver, remove the screws holding the access panel to the bottom of the outer box.

STEP 6 Carefully remove the access panel.

STEP 7 Carefully pull the infinite switch out of the outer box.

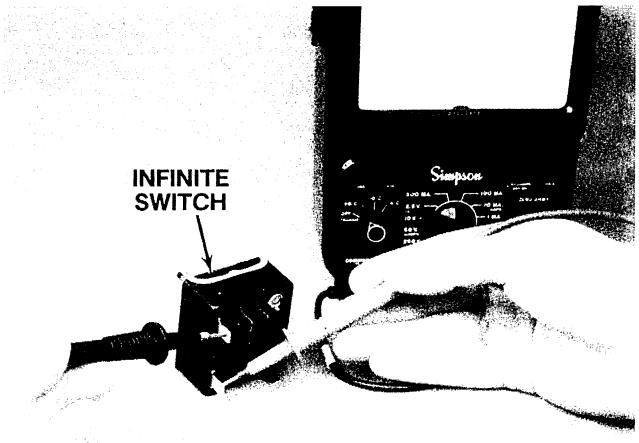
CAUTION: Notice the position of the switch so the replacement will be put back the same way.

TESTING

STEP 8 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the infinite switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 9 You must know how to use an ohmmeter.

STEP 10 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.



STEP 11 Touch one ohmmeter probe to terminal H1 (1).

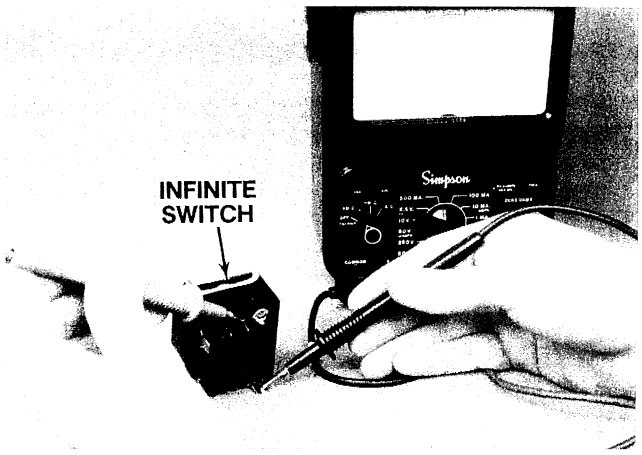
STEP 12 Touch the other ohmmeter probe to terminal L1 (3).

STEP 13 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.

STEP 14 Touch one ohmmeter probe to terminal H1 (1).

STEP 15 Touch the other ohmmeter probe to terminal PL (2).

STEP 16 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.



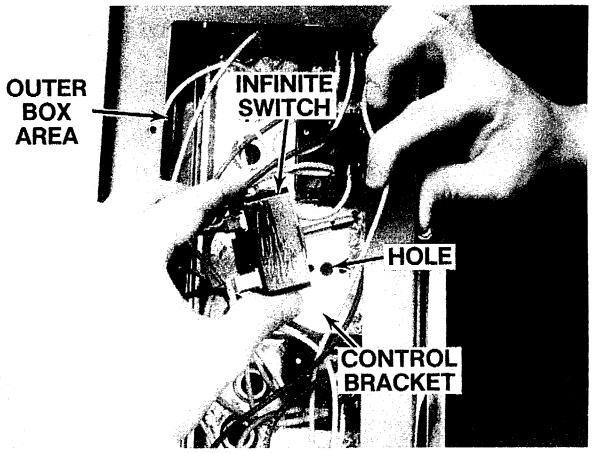
STEP 17 Touch one ohmmeter probe to terminal H2 (4).

STEP 18 Touch the other ohmmeter probe to terminal L2 (5).

STEP 19 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.

REPLACEMENT

STEP 20 Reconnect the wires to the proper terminals as previously marked.



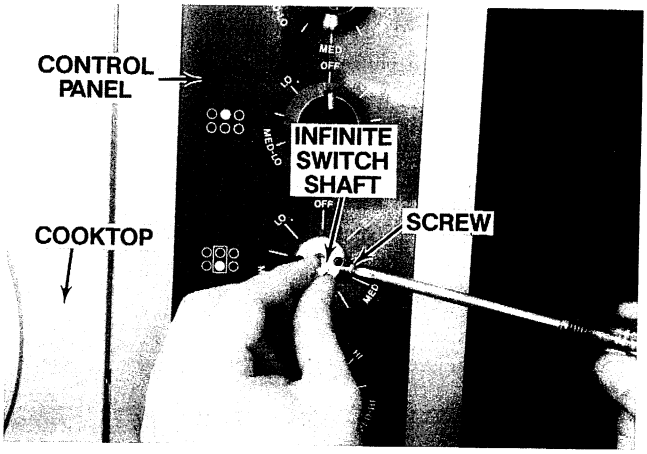
STEP 21 Place the infinite switch in the outer box with the shaft coming through the hole in the control bracket and panel.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 22 Place the access panel on the bottom of the outer box.

STEP 23 Using a screwdriver, insert the screws through the access panel into the outer box and tighten.



STEP 24 Hold the shaft of the infinite switch, lining up the screw holes in the control bracket with the switch.

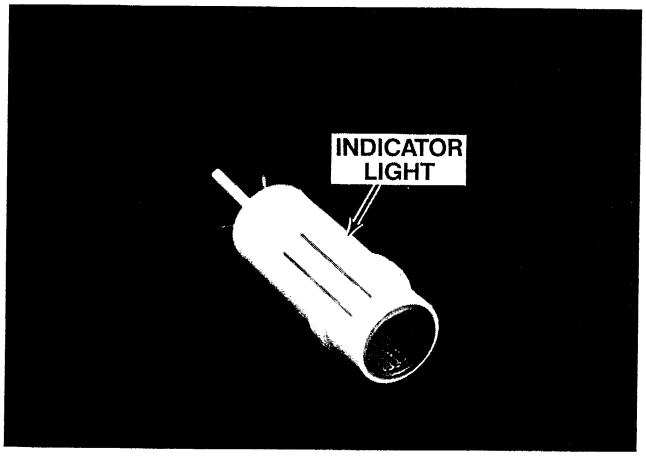
STEP 25 Using a screwdriver, insert the screws through the control bracket into the switch and tighten.

STEP 26 Replace the control knob *(section N, proc. 3, steps 3 & 4).*

STEP 27 Turn the control knob to OFF.

STEP 28 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 9
Indicator Light Testing and/or Replacement

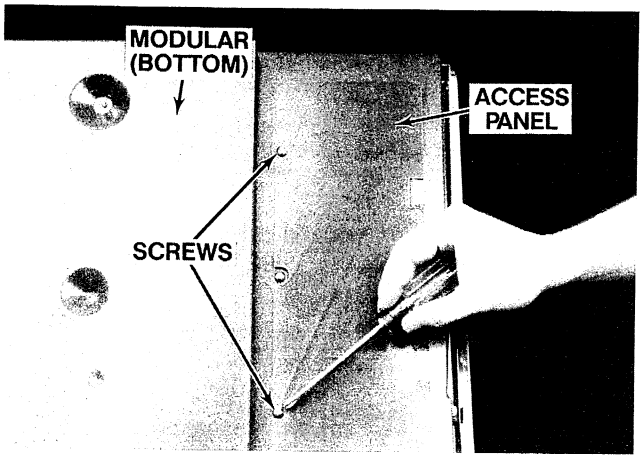


See page 192, illus. no. 17 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located under the control panel and when lit, shows you if one of the modulars is on.

STEP 1 Disconnect the electrical power supply *(section B).*

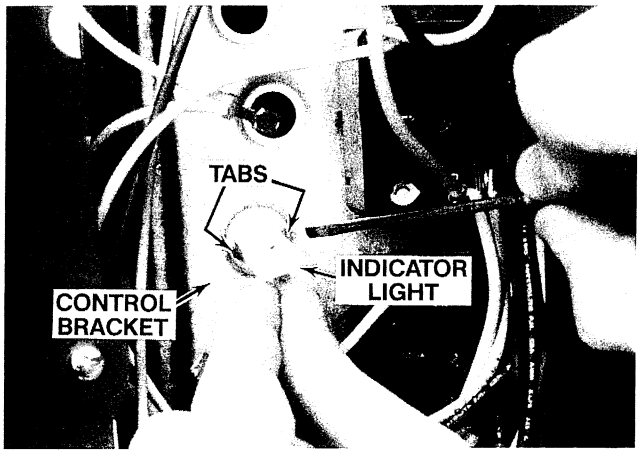


STEP 2 Using a screwdriver, remove the screws holding the access panel to the bottom of the outer box.

STEP 3 Carefully remove the access panel.

TESTING

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the indicator light. This procedure should assure that the right wire is reconnected to the right terminal.



STEP 5 Using a small screwdriver, push-in on the tab and wiggle the light back and forth while pulling.

This will release the tab from the control bracket.

STEP 6 Do the same thing to the other side.

WARNING: THIS INDICATOR LIGHT MUST BE CHECKED BY RUNNING A VOLTAGE CHECK. FOR YOUR PERSONAL SAFETY THIS CHECK MUST BE DONE BY A WHIRLPOOL TECH-CARE® SERVICE COMPANY.

REPLACEMENT

STEP 7 Tilt the indicator light when putting it in the hole so one of the tabs catch on the control bracket. Then roll the light to the other side until it snaps into place.

STEP 8 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

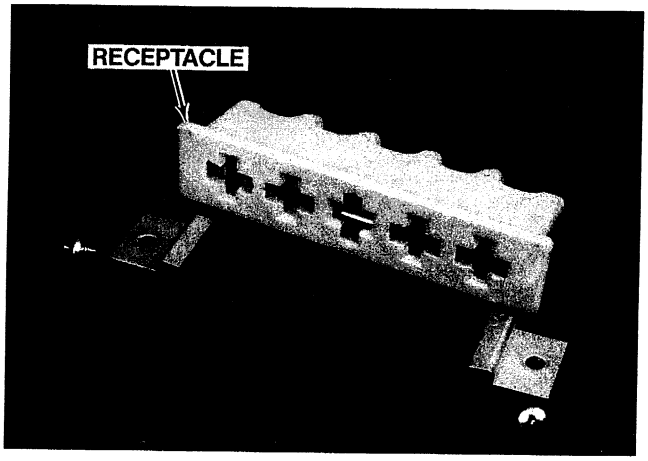
CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 9 Place the access panel on the bottom of the outer box.

STEP 10 Using a screwdriver, insert the screws through the access panel into the outer box and tighten.

STEP 11 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 10
Receptacle Replacement



See page 192, illus. no. 8 for location of parts.

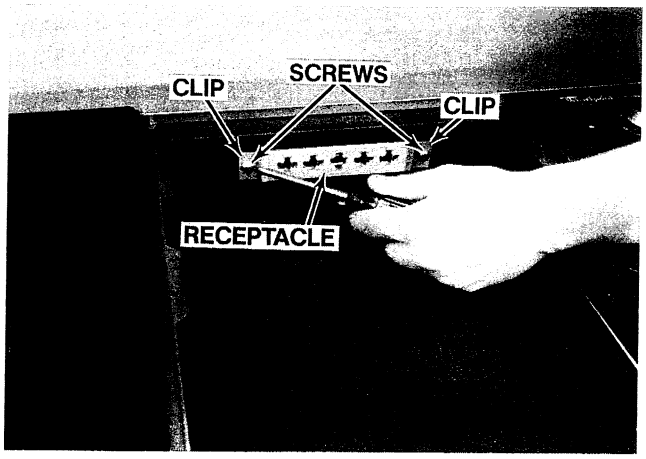
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located on the inside back of the outer box. The different modulars plug into these receptacles.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE RACKS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

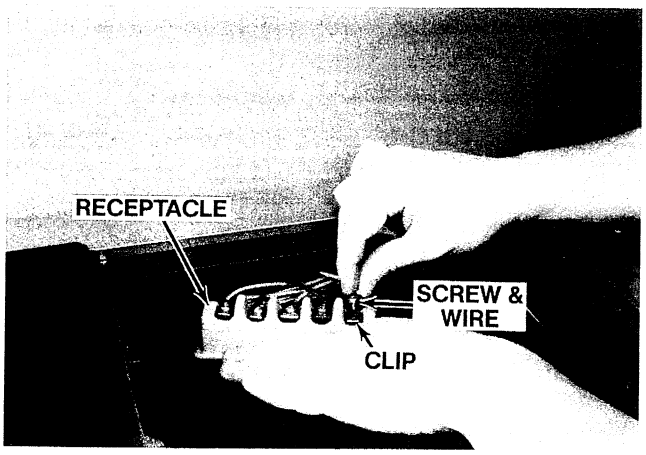
STEP 2 Remove the proper modular *(section N, proc. 4, steps 2 & 3 or section N, proc. 6, steps 2-6).*



STEP 3 Using a screwdriver, remove the screws and clips (one on each side) holding the receptacle to the wire shield.

STEP 4 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the receptacle. This procedure should assure that the right wire is reconnected to the right terminal.

REPLACEMENT



STEP 5 Using a screwdriver, reconnect the wires to the proper terminals as previously marked.

STEP 6 Using a screwdriver, insert the screw through the clip into the wire shield and tighten.

STEP 7 Do the same thing to the other side.

STEP 8 Replace the proper modular *(section N, proc. 4, steps 4 & 5 or section N, proc. 6, steps 7-11).*

STEP 9 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 11
Frame Replacement

See page 192, illus. no. 19 for location of part.

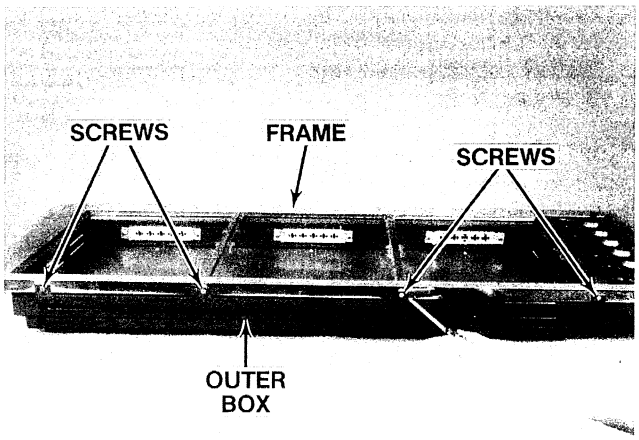
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

STEP 1 Disconnect the electrical power supply *(section B).*

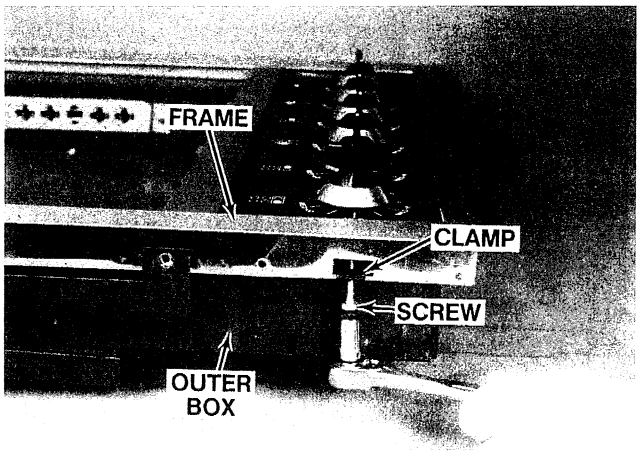
WARNING: BEFORE TOUCHING THE RACKS OR BURNER MAKE SURE THE BURNER WAS NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove all the modular units (complete) *(section N, proc. 4, steps 2 & 3 or section N, proc. 6, steps 2-6).*

STEP 3 Remove the modular range from your countertop.



STEP 4 Using a screwdriver, remove the screws around the frame holding it to the outer box.



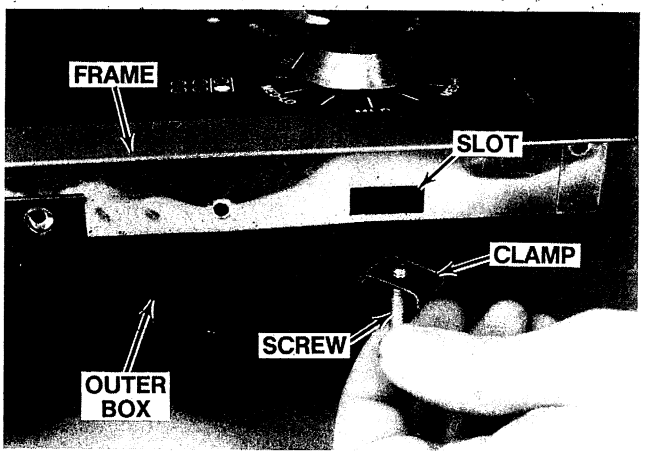
STEP 5 Using a nutdriver or socket wrench, loosen the screws holding the clamps to the frame and outer box.

STEP 6 Remove the screws and clamps from the slots in the frame and outer box.

STEP 7 Lift the frame off the outer box.

REPLACEMENT

STEP 8 Place the frame on the outer box.



STEP 9 Place the screws and clips in the slots in the cover and outer box.

STEP 10 Using a nutdriver or socket wrench tighten the screws holding the clips on the frame and outer box.

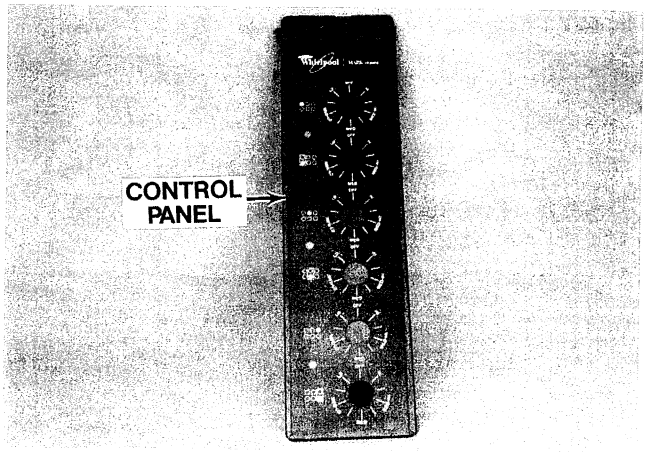
STEP 11 Using a screwdriver, insert the screws around the frame into the outer box and tighten.

STEP 12 Place the modular range back into your countertop.

STEP 13 Replace all the modular units (complete) *(section N, proc. 4, steps 4 & 5 or section N, proc. 6, steps 7-11).*

STEP 14 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 12
Control Panel Replacement



See page 192, illus. no. 18 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located along the right side of the modular range and gives you information on the different settings for the modulars.

STEP 1 Disconnect the electrical power supply *(section B).*

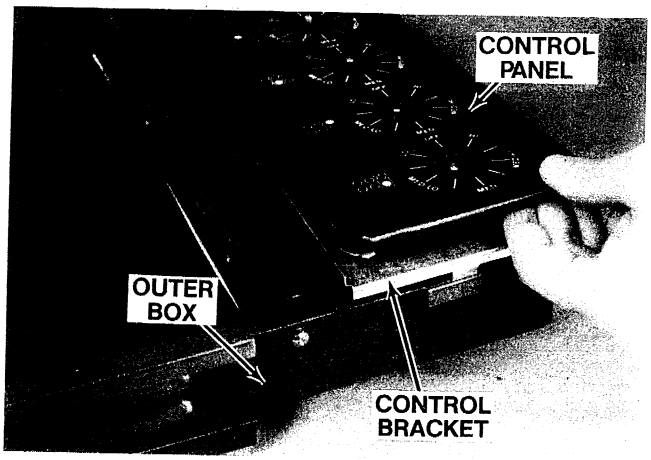
WARNING: BEFORE TOUCHING THE RACKS OR BURNER MAKE SURE THE BURNER WAS NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove all the modular units (complete) *(section N, proc. 4, steps 2 & 3 or section N, proc. 6, steps 2-6).*

STEP 3 Remove the modular range from your countertop.

STEP 4 Remove the frame *(section N, proc. 11, steps 4-7).*

STEP 5 Remove the control knobs *(section N, proc. 3, steps 1 & 2).*



STEP 6 Carefully lift the control panel off the control bracket.

REPLACEMENT

STEP 7 Carefully place the control panel over the shafts of the switches and on top of the control bracket.

STEP 8 Replace the control knobs *(section N, proc. 3, steps 3 & 4).*

STEP 9 Replace the frame *(section N, proc. 11, steps 8-11).*

STEP 10 Place the modular range back into your countertop.

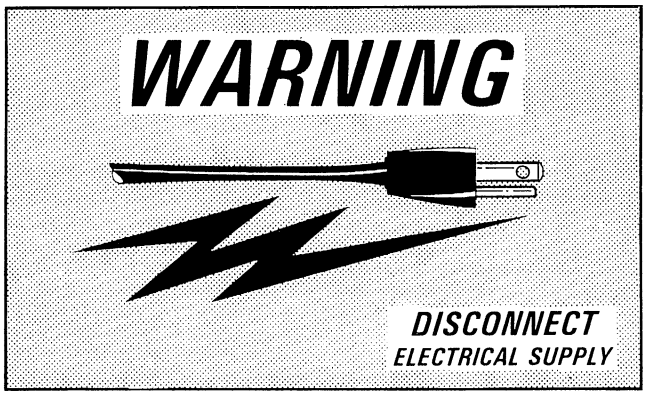
STEP 11 Replace all the modular units (complete) *(section N, proc. 4, steps 2 & 3 or section N, proc. 6, steps 2-6).*

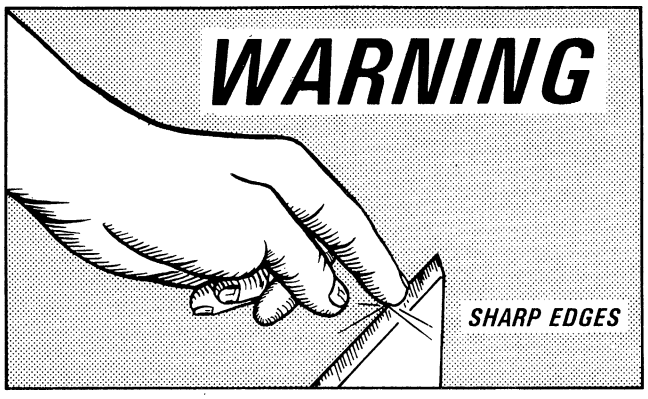
STEP 12 Reconnect the electrical power supply. See section B for the proper reconnection.

SECTION O

Built-In Cooktop Area

SECTION A MUST BE CAREFULLY READ BEFORE ANY REPAIR OR TESTING PROCEDURES ARE ATTEMPTED.



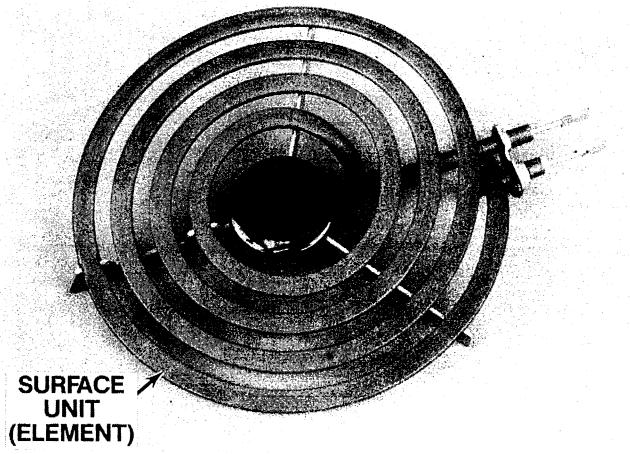


WARNING: *TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).*

WARNING: *BE CAREFUL WHEN DOING ANY SERVICE ON THIS ELECTRIC RANGE AS THERE MAY BE SHARP EDGES WHICH MAY RESULT IN PERSONAL INJURY.*

PROCEDURE PAGE

PROCEDURE 1
Surface Unit (Element) Testing and/or Replacement



See page 188, illus. no. 12 for location of part.

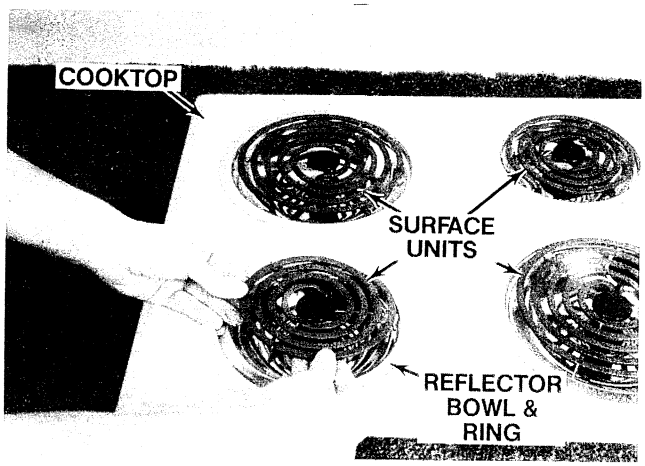
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

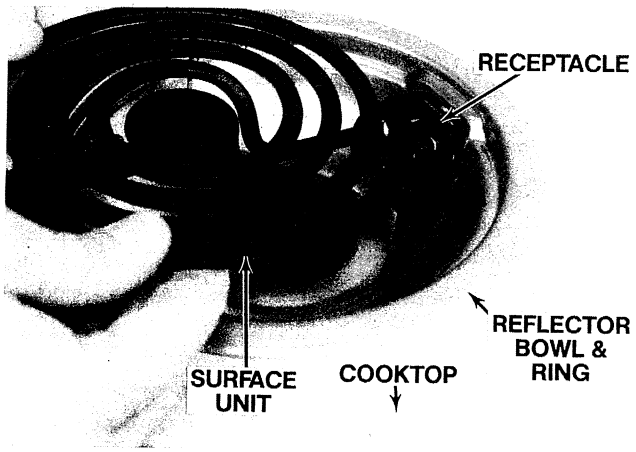
This part is located on the top of the range and is used in cooking your food.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.



STEP 2 Lift the edge of the surface unit (opposite plug-in's) just enough to clear the reflector bowl.

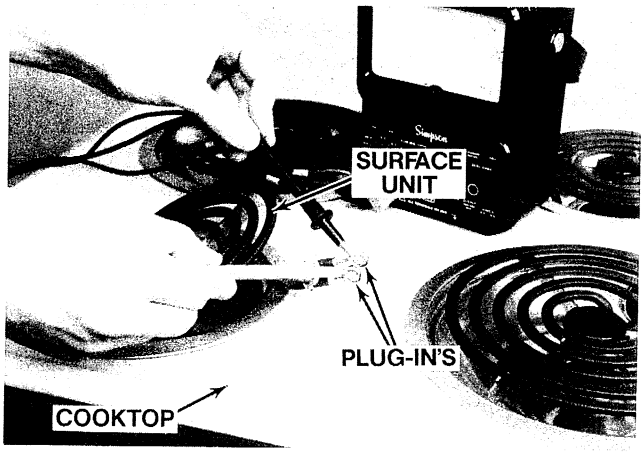


STEP 3 Pull the surface unit out of the receptacle. You may have to wiggle it back and forth while pulling.

TESTING

STEP 4 You must know how to use an ohmmeter.

STEP 5 Refer to the instructions that came with your ohmmeter to find the proper scale to measure 10-70 ohms. Set the ohms scale and ZERO the meter.

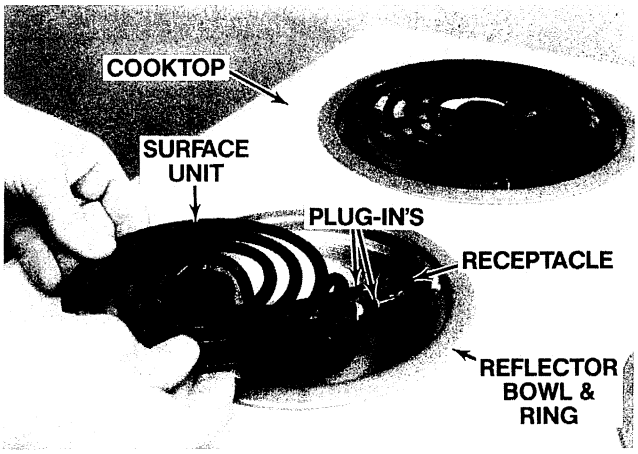


STEP 6 Touch one ohmmeter probe to one of the plug-in's (terminal).

STEP 7 Touch the other ohmmeter probe to the other plug-in (terminal).

STEP 8 The ohmmeter should shown between 10-70 ohms. If not, the surface unit is bad and needs replacing.

REPLACEMENT



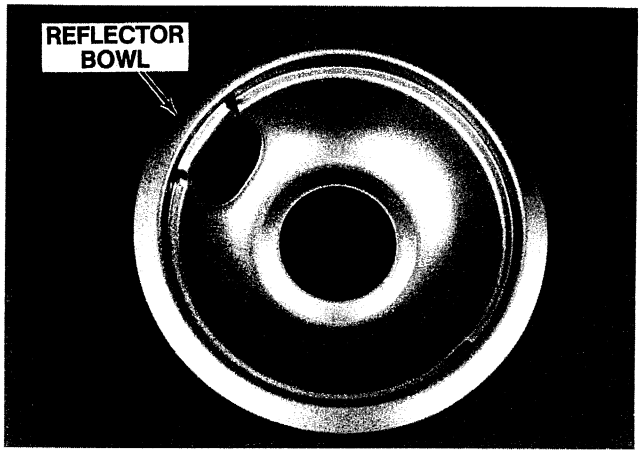
STEP 9 Hold the surface unit as level as you can with the surface unit plug-in's (terminals) just starting into the receptacle.

STEP 10 Push the surface unit plug-in's (terminals) into the receptacle.

NOTE: With the surface unit pushed all the way into the receptacle, the surface unit will fit into the reflector bowl.

STEP 11 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 2
Reflector Bowl and Adapter Ring Replacement



See page 188, illus. no. 11 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

These parts are located under the surface unit on the top of the range.

STEP 1 Disconnect the electrical power supply *(section B).*

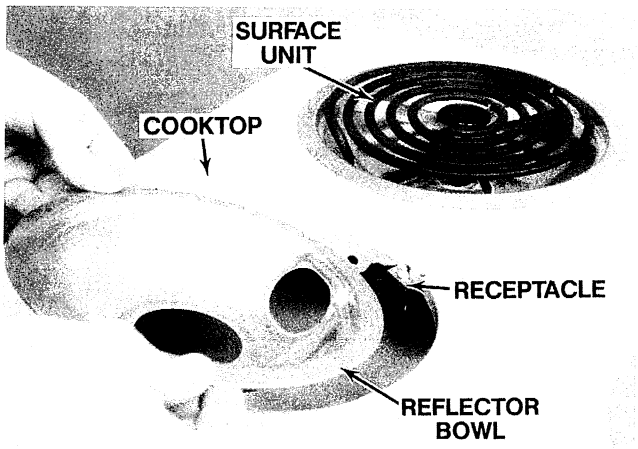
WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface unit *(section O, proc. 1, steps 2 & 3).*

STEP 3 Remove the reflector bowl.

STEP 4 Remove the adapter ring (if used).

REPLACEMENT



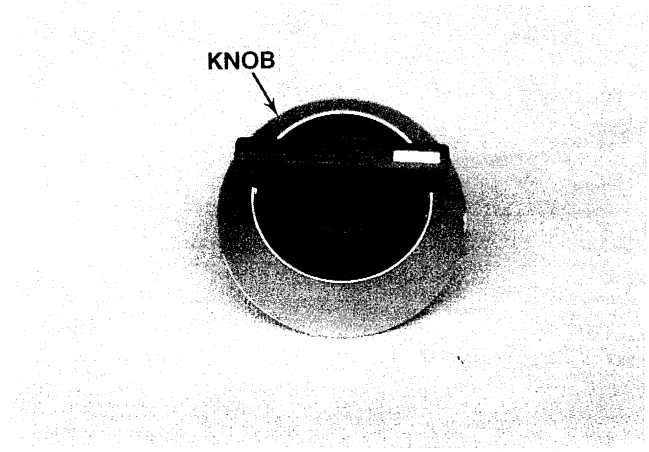
STEP 5 Place the adapter ring (if used) with the cut-out in line with the receptacle.

STEP 6 Place the reflector bowl with the cut-out in line with the receptacle.

STEP 7 Replace the surface unit *(section O, proc. 1, steps 9 & 10).*

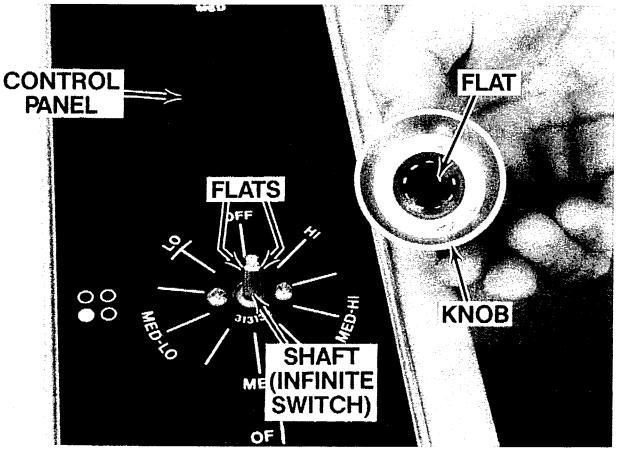
STEP 8 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 3
Control Knob Replacement



See page 188, illus. no. 14 for location of part.

This part is used to turn the different controls ON or OFF.



STEP 1 To replace this type of knob, pull straight off.

Notice the flats or grooves on the shaft of the switch and the flats or grooves in the back of the control knob.

REPLACEMENT

STEP 2 Line up the flats or grooves on the knob with the flats or grooves on the switch shaft, then push on.

PROCEDURE 4
Raising the Cooktop

See page 188, illus. no. 4 for location of part.

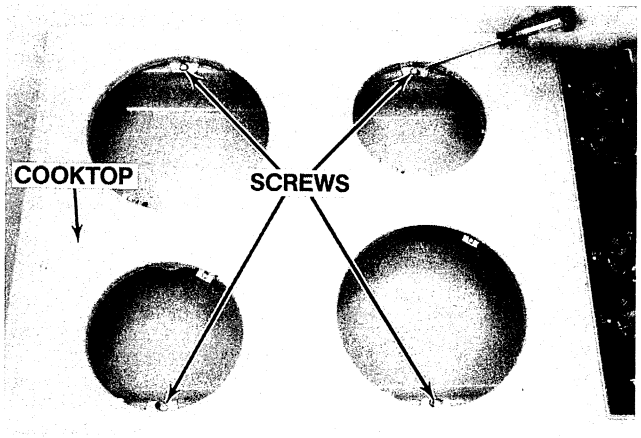
WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface units *(section O, proc. 1, steps 2 & 3).*

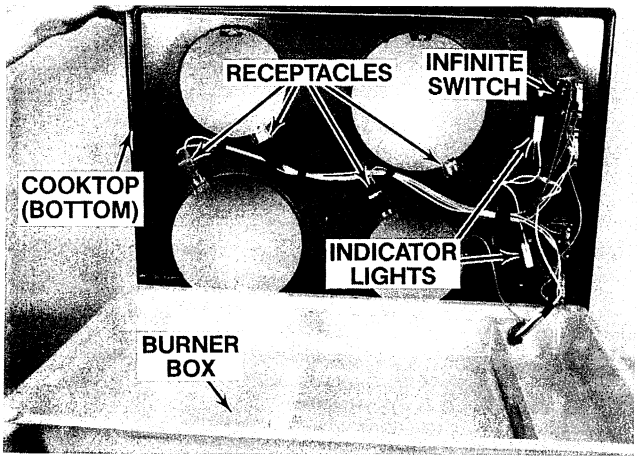
STEP 3 Remove the reflector bowls and adapter rings *(section O, proc. 2, steps 3 & 4).*



STEP 4 Using a screwdriver, remove the screw in each of the burner openings holding the top to the burner box.

CAUTION: Most cooktops have a procelain finish instead of paint. Be careful not to chip the finish.

CAUTION: When moving the cooktop, be careful as the wiring is short. You may bend terminals or disconnect the wires.



STEP 5 Carefully lift the cooktop and place it on its back edge.

Lowering the Cooktop

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 6 Carefully lower the cooktop back on the burner box.

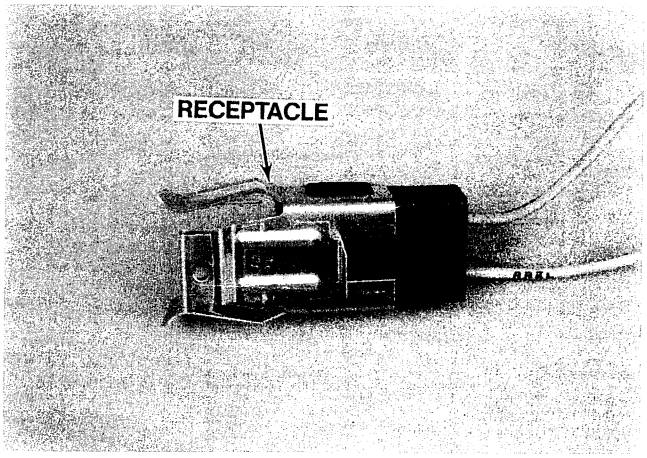
STEP 7 Using a screwdriver, insert the screws through the top, in each of the burner openings, into the burner box and tighten.

STEP 8 Replace the reflector bowls and adapter rings *(section O, proc. 2, steps 5 & 6).*

STEP 9 Replace the surface units *(section O, proc. 1, steps 9 & 10).*

STEP 10 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 5
Receptacle Replacement



See page 188, illus. no. 5 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

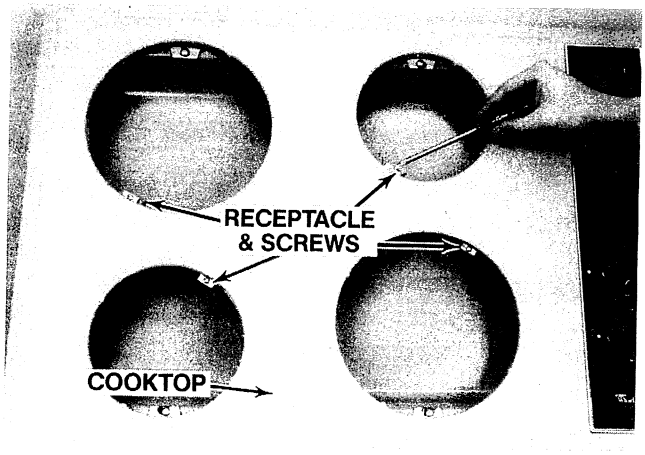
This part is located under the cooktop. The surface unit (element) plugs into it.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface unit(s) *(section O, proc. 1, steps 2 & 3).*

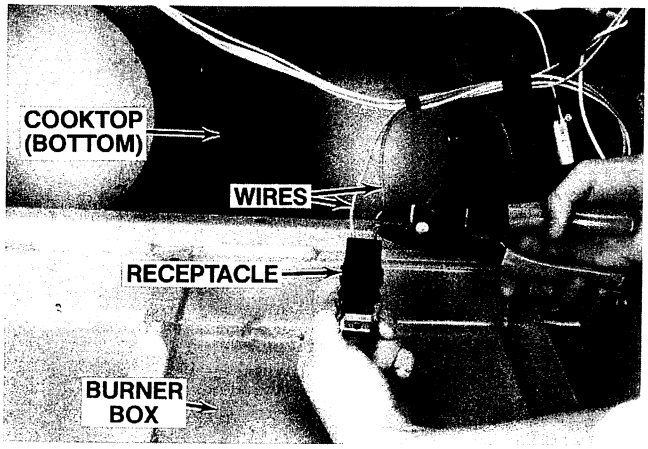
STEP 3 Remove the reflector bowl(s) and adapter ring(s) *(section O, proc. 2, steps 3 & 4).*



STEP 4 Using a screwdriver, remove the screw(s) holding the receptacle(s) to the top.

STEP 5 Raise the cooktop *(section O, proc. 4, steps 4 & 5).*

STEP 6 CAUTION: Label each wire according to the location or color of wire on the receptacle. This procedure should assure that the right wire is reconnected to the right wire, terminal or receptacle.



STEP 7 Using wire cutters, cut both wires off about 1-inch away from the receptacle(s).

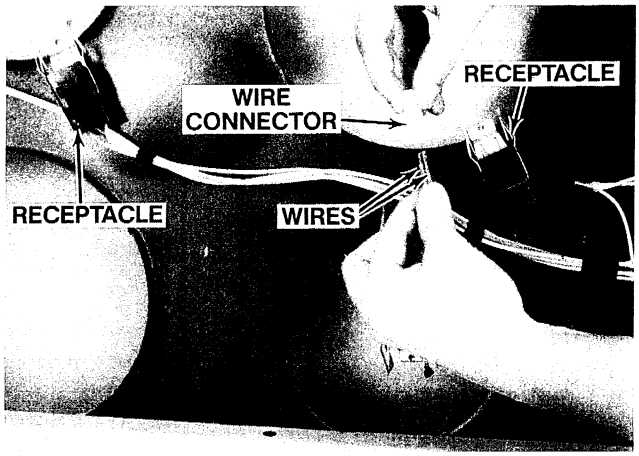
STEP 8 Strip the insulation back 1/2-inch on each of the two wiring harness wires.

REPLACEMENT

STEP 9 Use only a wire connector for splicing wires together.

CAUTION: Tape is not recommended.

STEP 10 Reconnect the wires to the proper wires, terminals or receptacle (see steps 11-14).



STEP 11 Hold one wire from the receptacle and the other wire coming from the wiring harness.

STEP 12 With the two wires together, screw the wire connector down on the bare wires.

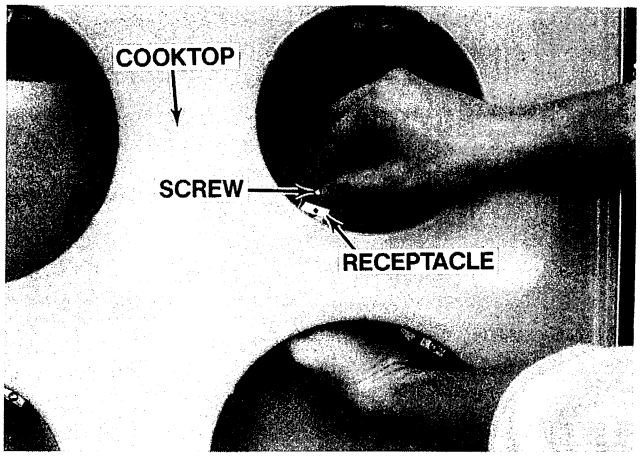
STEP 13 Hold the other wire from the receptacle and the other wire coming from the wiring harness.

STEP 14 With the two wires together, screw the wire connector down on the bare wires.

STEP 15 Place the tab on the receptacle on the tab on the cooktop.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.



STEP 16 Using a screwdriver, insert the screw(s) through the receptacle(s) into the cooktop and tighten.

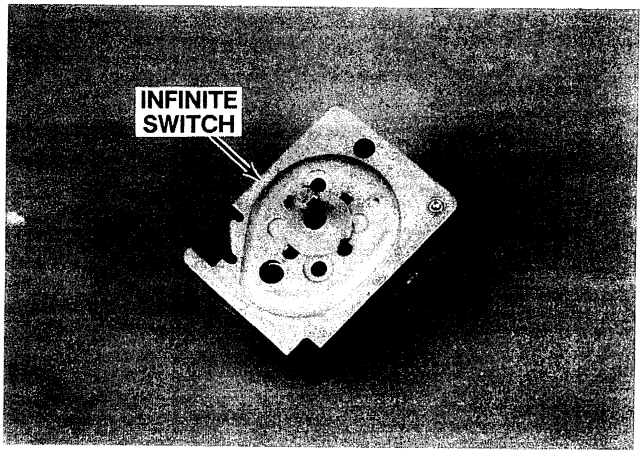
STEP 17 Lower the cooktop *(section O, proc. 4, steps 6 & 7).*

STEP 18 Replace the reflector bowl(s) and adapter ring(s) *(section O, proc. 2, steps 5 & 6).*

STEP 19 Replace the surface unit(s) *(section O, proc. 1, steps 9 & 10).*

STEP 20 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 6
Infinite Switch Testing and/or Replacement



See page 188, illus. no. 7 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

This infinite switch, located on the right side of the built-in cooktop range, is used to turn the different burners ON and OFF.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface units *(section O, proc. 1, steps 2 & 3).*

STEP 3 Remove the reflector bowls and adapter rings *(section O, proc. 2, steps 3 & 4).*

STEP 4 Raise the cooktop *(section O, proc. 4, steps 4 & 5).*

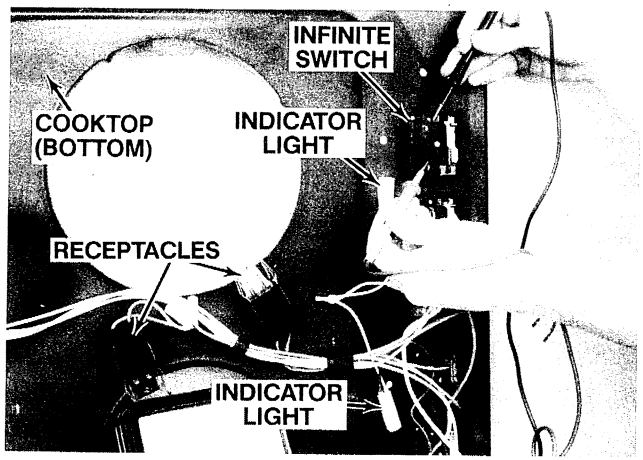
TESTING

STEP 5 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking or location on the infinite switch. This procedure should assure that the right wire is reconnected to the right terminal.

STEP 6 You must know how to use an ohmmeter.

STEP 7 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

STEP 8 Turn the knob to HIGH.



STEP 9 Touch one ohmmeter probe to terminal H1 (1).

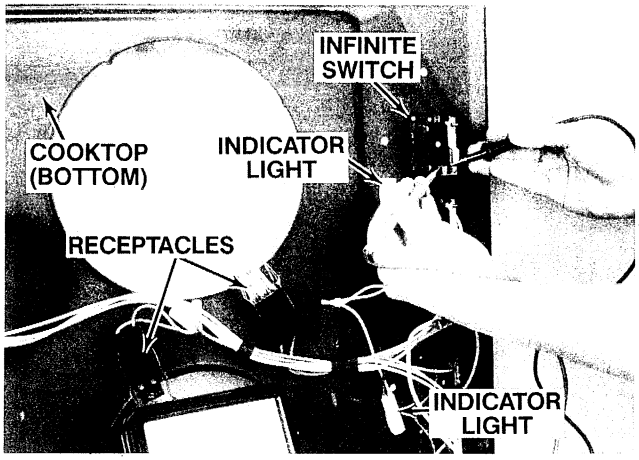
STEP 10 Touch the other ohmmeter probe to terminal L1 (3).

STEP 11 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.

STEP 12 Touch one ohmmeter probe to terminal H1 (1).

STEP 13 Touch the other ohmmeter probe to terminal P (2).

STEP 14 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.



STEP 15 Touch one ohmmeter probe to terminal H2 (4).

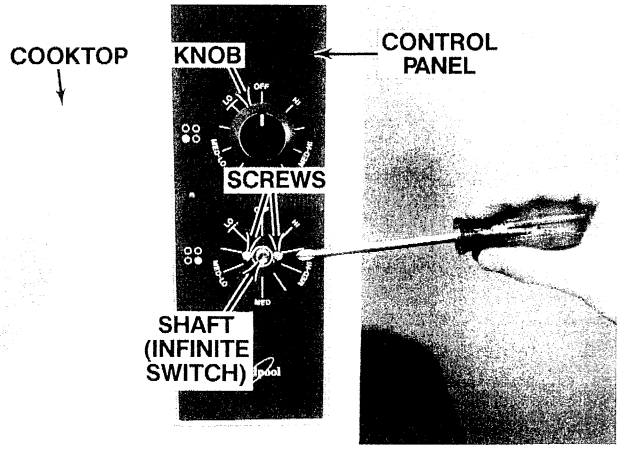
STEP 16 Touch the other ohmmeter probe to terminal L2 (5).

STEP 17 The ohmmeter should show ZERO resistance (continuity). If not, the switch is bad and needs replacing.

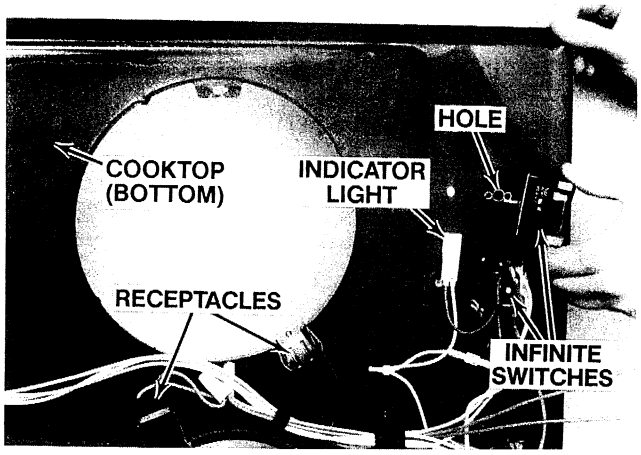
REPLACEMENT

STEP 18 Lay the cooktop down.

STEP 19 Remove the control knob *(section O, proc. 3, step 1).*



STEP 20 Using a screwdriver, remove the screws holding the switch to the cooktop.



STEP 21 Place the switch from the back of the cooktop with the shaft through the hole.

STEP 22 Using a screwdriver, insert the screws through the control panel, cooktop into the switch and tighten.

STEP 23 Reconnect the wires to the proper terminals as previously marked.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 24 Lower the cooktop *(section O, proc. 4, steps 6 & 7).*

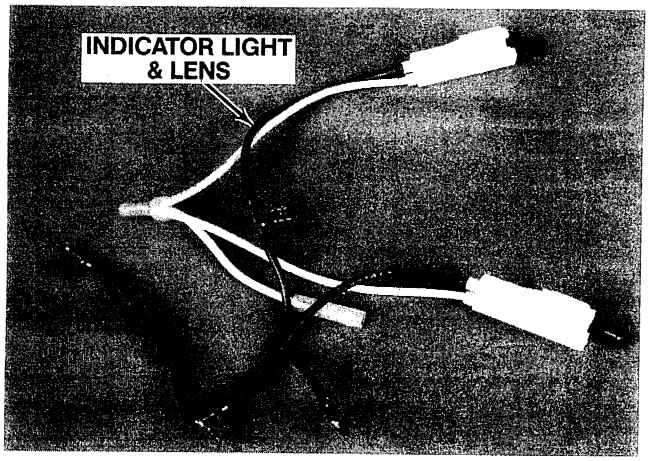
STEP 25 Replace the reflector bowls and adapter rings *(section O, proc. 2, steps 5 & 6).*

STEP 26 Replace the surface units *(section O, proc. 1, steps 9 & 10).*

STEP 27 Replace the control knob *(section O, proc. 3, step 2).*

STEP 28 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 7
Indicator Light, Lens Testing and/or Replacement



See page 188, illus. no. 8 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This light, when lit, is used to inform the consumer the burners are on.

STEP 1 Disconnect the electrical power supply *(section B).*

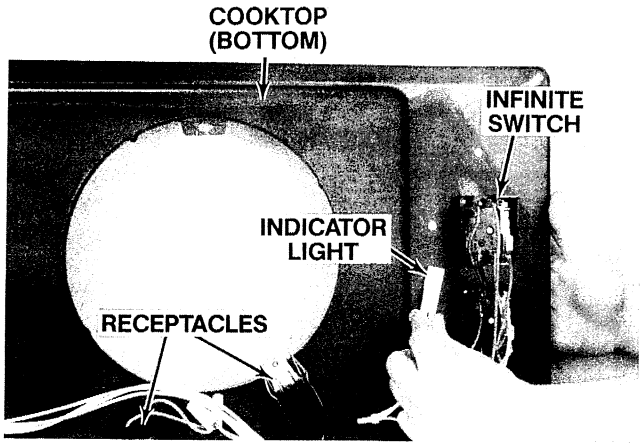
WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the surface units *(section O, proc. 1, steps 2 & 3).*

STEP 3 Remove the reflector bowls and adapter rings *(section O, proc. 2, steps 3 & 4).*

STEP 4 Raise the cooktop *(section O, proc. 4, steps 4 & 5).*

TESTING



STEP 5 Hold the light lens located on the front of the cooktop.

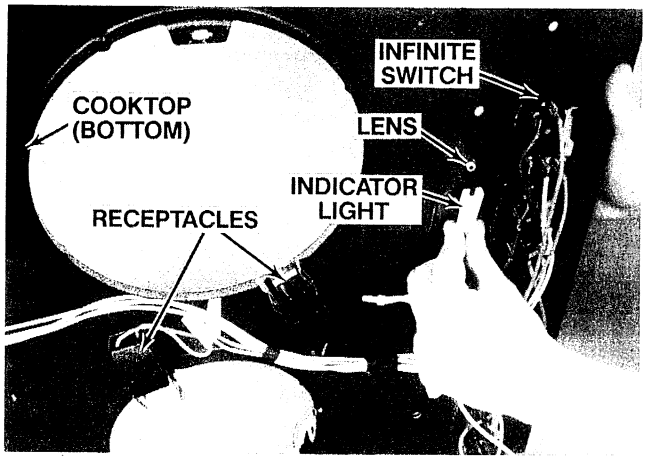
STEP 6 Push-in and slide the indicator light (on the back of the cooktop) off the light lens.

STEP 7 CAUTION: Remove one wire at a time, carefully labeling each wire according to the terminal marking on the indicator light. This procedure should assure that the right wire is reconnected to the right terminal.

WARNING: THIS INDICATOR LIGHT MUST BE CHECKED BY RUNNING A VOLTAGE CHECK. FOR YOUR PERSONAL SAFETY THIS CHECK MUST BE DONE BY A WHIRLPOOL TECH-CARE® SERVICE COMPANY.

REPLACEMENT

STEP 8 Reconnect the wires to the proper terminals as previously marked.



STEP 9 Place the light lens from the front of the cooktop through the hole.

STEP 10 Slide the indicator light from the back of the cooktop over the light lens until the parts snap together.

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

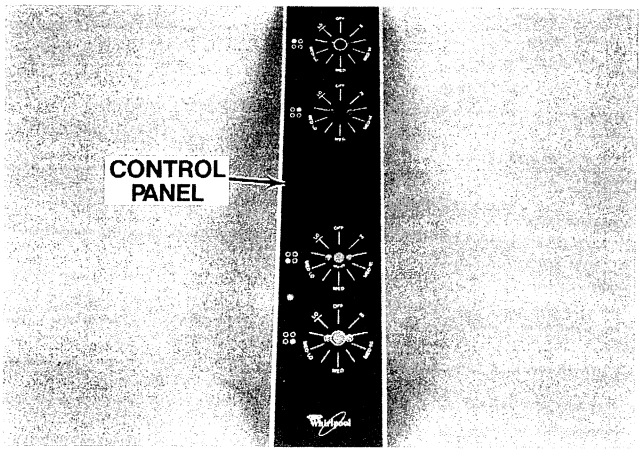
STEP 11 Lower the cooktop *(section O, proc. 4, steps 6 & 7).*

STEP 12 Replace the reflector bowls and adapter rings *(section O, proc. 2, steps 5 & 6).*

STEP 13 Replace the surface units *(section O, proc. 1, steps 9 & 10).*

STEP 14 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 8
Control Panel Replacement



See page 188, illus. no. 6 for location of part.

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

This part is located along the right side of the cooktop and gives you information on the different settings for the burners.

STEP 1 Disconnect the electrical power supply *(section B).*

WARNING: BEFORE TOUCHING THE BURNERS MAKE SURE THEY WERE NOT JUST TURNED ON OR OFF. IF THEY ARE WARM OR HOT LET THEM COOL DOWN.

STEP 2 Remove the control knobs *(section O, proc. 3, step 1).*

STEP 3 Remove the surface units *(section O, proc. 1, steps 2 & 3).*

STEP 4 Remove the reflector bowls and adapter rings *(section O, proc. 2, steps 3 & 4).*

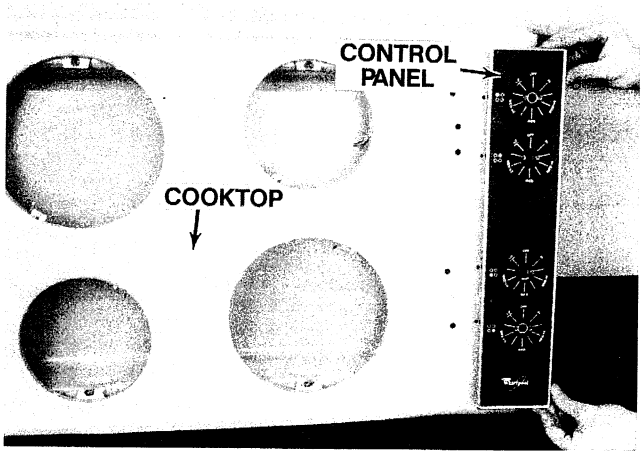
STEP 5 Raise the cooktop *(section O, proc. 4, steps 4 & 5).*

STEP 6 Remove the infinite switches *(section O, proc. 6, step 20).*

STEP 7 Remove the indicator lights and lens *(section O, proc. 7, steps 5 & 6).*

STEP 8 Lift the control panel off the cooktop.

REPLACEMENT



STEP 9 Place the control panel on the cooktop.

STEP 10 Replace the indicator lights and lens *(section O, proc. 7, steps 9 & 10).*

STEP 11 Replace the infinite switches *(section O, proc. 6, steps 21 & 22).*

CAUTION: This range must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way which may cause an electrical problem. Readjust these wires.

STEP 12 Lower the cooktop *(section O, proc. 4, steps 6 & 7).*

STEP 13 Replace the reflector bowls and adapter rings *(section O, proc. 2, steps 5 & 6).*

STEP 14 Replace the surface units *(section O, proc. 1, steps 9 & 10).*

STEP 15 Replace the control knobs *(section O, proc. 3, step 2).*

STEP 16 Reconnect the electrical power supply. See section B for the proper reconnection.

PROCEDURE 9
Wiring Harnesses, Terminal Testing and/or Replacement

WARNING: TO AVOID ELECTRICAL SHOCK HAZARD, DISCONNECT THE ELECTRIC RANGE FROM THE ELECTRICAL POWER SUPPLY BEFORE DOING ANY KIND OF SERVICE (SECTION B).

OHMMETER REQUIRED

Wiring harnesses carry the electrical current to different electrical parts throughout the range.

All wires are colored and have coded markings on them. These colored wires match the coded terminal markings on the parts.

A damaged wire could cause a safety hazard or a part to operate incorrectly.

STEP 1 Disconnect the electrical power supply *(section B).*

STEP 2 Read the note in front of section J *(section J, proc. 1; Type A, steps 2-9, Type B, steps 2-15 or Type C, steps 2 & 3).*

OR

STEP 3 Raise the cooktop *(section O, proc. 4, steps 2-5).*

TESTING

STEP 4 You must know how to use an ohmmeter.

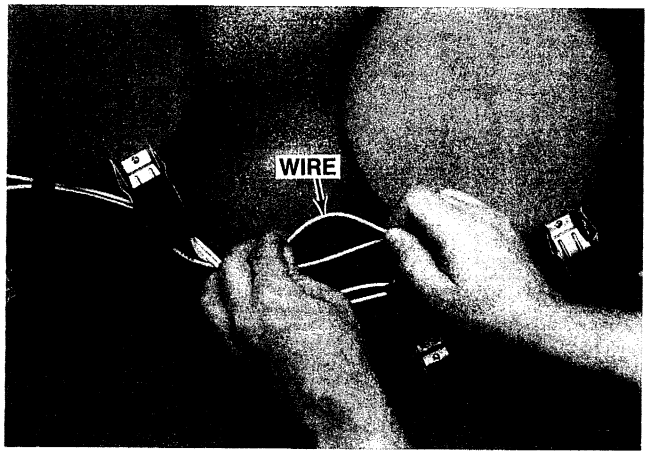
STEP 5 Set the ohmmeter scale to the lowest ohms setting and ZERO the meter. See the instructions that came with your ohmmeter.

STEP 6 Disconnect one end of the wire from the part.

STEP 7 Touch one ohmmeter probe to the wire terminal removed from the part.

STEP 8 Touch the other ohmmeter probe to the other end of the wire.

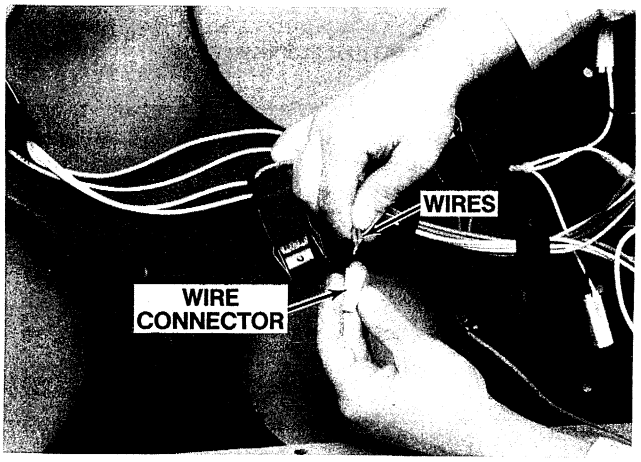
STEP 9 The ohmmeter should show ZERO resistance (continuity). If not, the wire is bad and needs repair or replacing.



STEP 10 Replace the entire wire and terminal with the same gauge wire, or locate the bad spot. To locate the bad spot, use your fingers and gently bend the wire, feeling at the same time and looking for bumps in the wire.

STEP 11 Using wire cutters, cut the bad spot out of the harness.

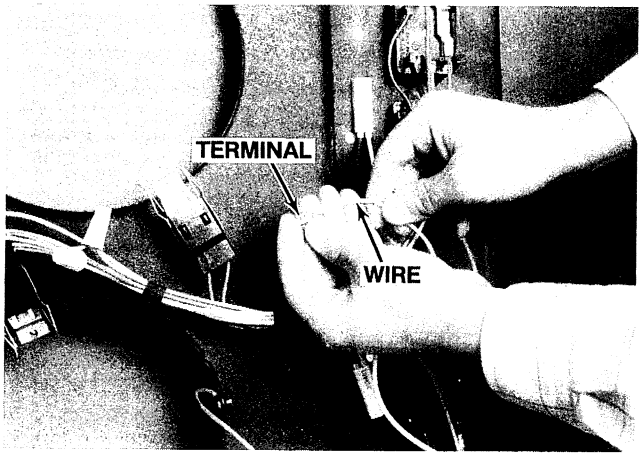
STEP 12 Strip the insulation back 1/2 inch on each cut end.



STEP 13 Use only a wire connector for splicing wires together.

CAUTION: Tape is not recommended.

STEP 14 Hold the two wires together, screwing the wire connector down on the bare wires.



STEP 15 To replace a terminal, cut the old terminal off.

STEP 16 Strip the insulation back 1/4 inch and twist the wire strands together.

STEP 17 Using a wire stripper/crimping tool, slip the new terminal over the bare wire and crimp tightly.

CAUTION: This appliance must be grounded. Make sure all green ground wires are properly attached.

CAUTION: When replacing parts or putting things back together, all wiring should be checked to be sure it is not crossing any sharp edges or pinched in some way, which may cause an electrical problem. Readjust these wires.

STEP 18 Read the note in the front of section J *(section J, proc. 1; Type A, steps 10-17, Type B, steps 16-29 or Type C, steps 4 & 5).*

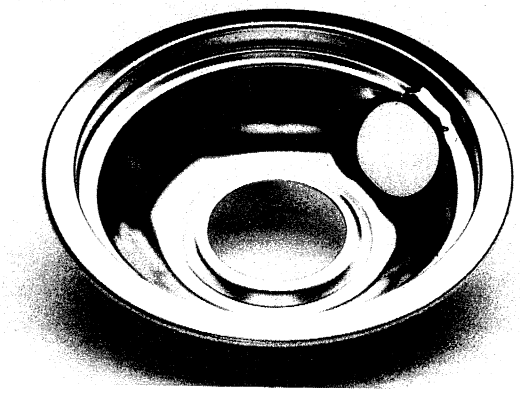
STEP 19 Lower the cooktop *(section O, proc. 4, steps 6-9).*

STEP 20 Reconnect the electrical power supply. See section B for the proper reconnection.

SECTION P

Electric Range Accessories

REPLACEMENT BOWLS



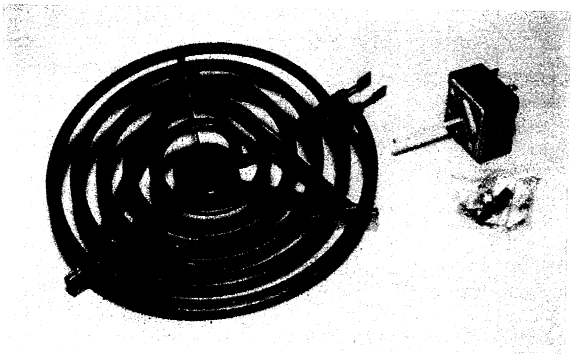
Spruce up an electric range with shiny nickel/chrome-plated replacement bowls in 4″, 6″ & 8″ element sizes.

Description

4″ Chrome Bowl (no center hole)
6″ Chrome Bowl
6″ Chrome Bowl (no center hole)
8″ Chrome Bowl
8″ Chrome Bowl (no center hole)

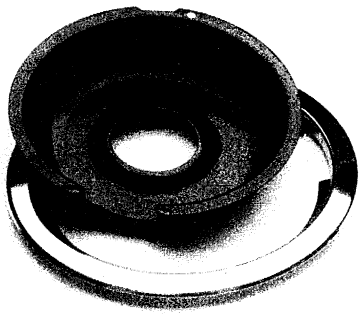
NOTE: All ranges require at least one bowl with a hole for oven ventilation.

CANNING UNIT



Heavy duty surface unit is for use with large, heavy cooking utensils on high heat settings, which will provide improved heat dissipation and help prevent damage to reflector bowls, burner box, switch modules, adjacent countertops, and cabinets. Applications include canning and food preparations which require lengthy cooking times. Kit contains a 8″ 2600-watt element constructed with a heavy duty support frame, with the coiled element surface being ¼″ higher than the originally equipped element; an infinite switch; and installation instructions. Approved for use, beginning with Whirlpool RDE Series and later electric range models, to replace originally equipped 8″ diameter surface element.

REPLACEMENT BOWLS

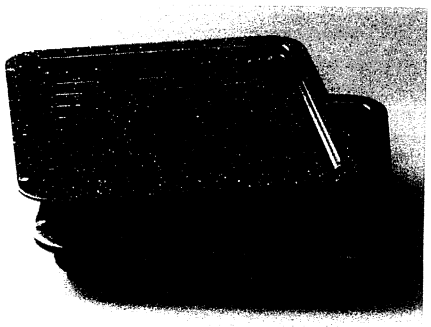


Deluxe set of a porcelain-enamel bowl (easily cleaned in the self-cleaning oven cycle) and a bright decorative ring. Available for both 6″ and 8″ electric range elements.

Description

6″ Bowl & Ring Set
8″ Bowl & Ring Set

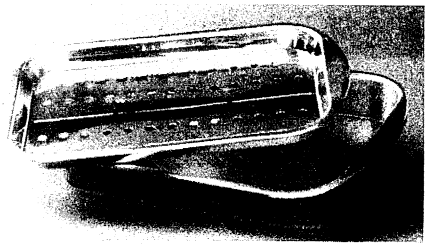
DELUXE BROILER PAN AND GRID



Designed for use in all electric ranges. Available in an easy-to-clean, blue-grey porcelain enameled pan and grid, 15½″ x 15½″ x 2¼″.

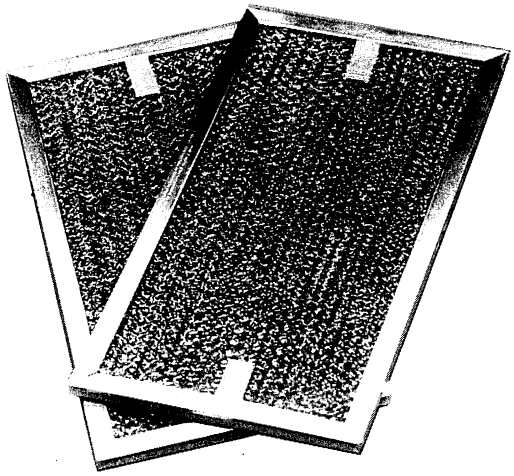
SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

BUDGET-PRICED BROIL PAN AND GRID



Bright aluminum pan and grid 14″ x 10″ x 2″.

GREASE FILTER KIT

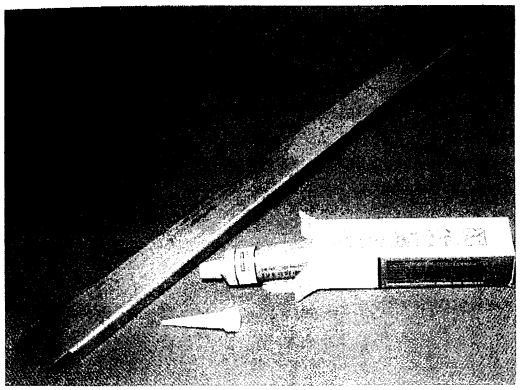


Replacement grease filters for use with Whirlpool electric down-draft cooktops.

STAINLESS STEEL FILLER

The Stainless Steel Filler is required when replacing certain series set-in range. The purpose of the 30″ long formed stainless steel filler is to fill a void between the backsplash on countertop and the rear of the Whirlpool set-in range.

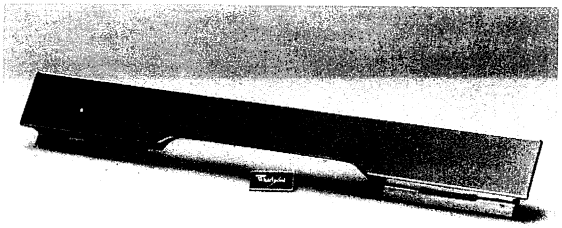
COOKTOP SIDE TRIM KIT



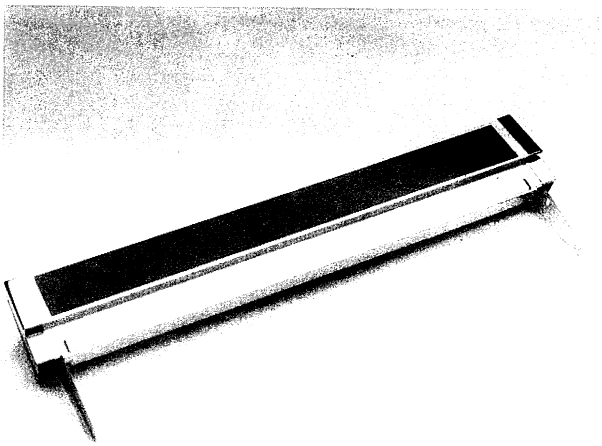
Add a touch of silver to a freestanding electric range with the Cooktop Side Trim Kit. Kit contains left and right chrome-plated plastic trim pieces and installation instructions. Side trim pieces have adhesive backing for ease of installing to cooktop.

SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

BACKGUARD KITS

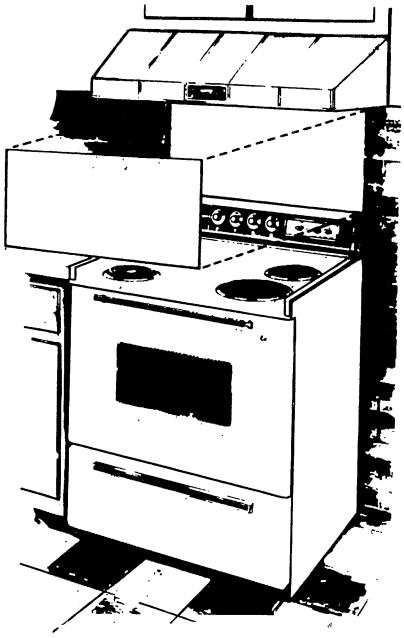


Gives a finished look to all electric set-in ranges. Cannot be used on self-cleaning, smooth-top, slide-in, and down-draft models.



When installing between separate kitchen base cabinets, dress up the Modular Slide-In Range to resemble a regular set-in range by adding the backguard kit. The kit contains: (1) 30″ brushed aluminum backguard and installation instructions.

BACKSPLASH



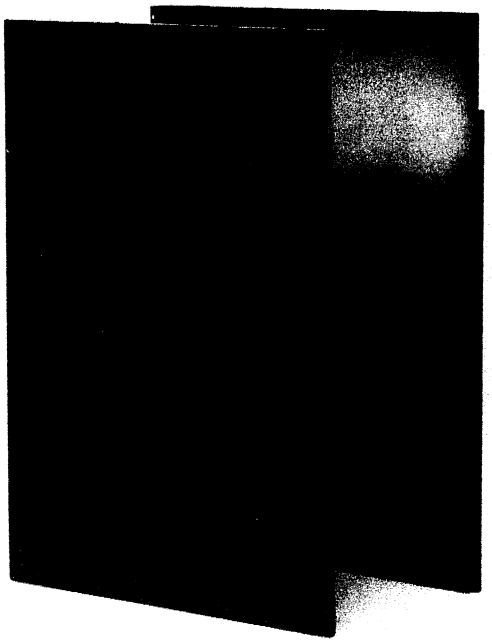
Elegant and smart! An aluminum panel which attaches to the wall behind a freestanding range. Catches grease splatters and gives a "built-in" appearance to your range. The panel is 30″ wide by 24″ high and will fit all models.

Color

White/Avocado
Almond/New Harvest Gold
Toast/Platinum
Coffee
Stainless Steel

SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

SIDE PANEL KIT

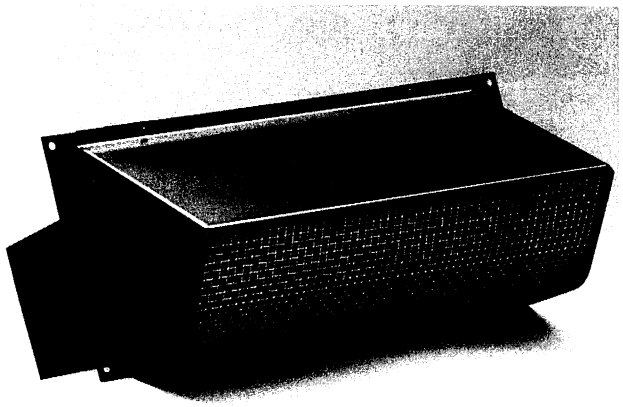


Convert the Modular Slide-In Range into a freestanding when the Side Panel Kit is added. The Side Panel Kit contains a left and right side panel along with instructions for installation. The panels are available in four popular colors.

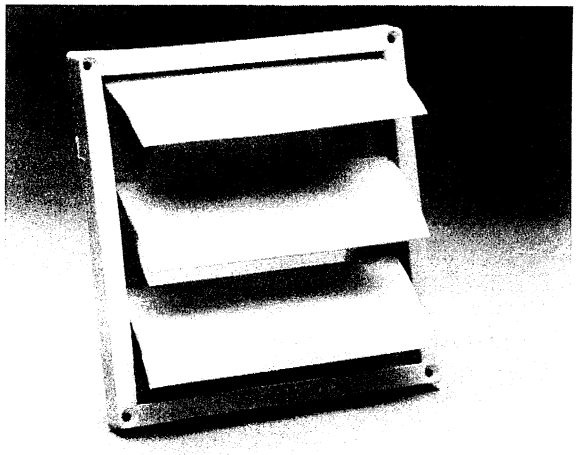
Color

White
Almond
Gold
Coffee

WALL CAP KITS



3¼" x 10" RECTANGULAR DUCT SYSTEM

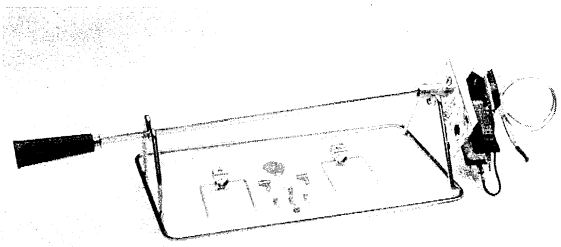


6" DIA. ROUND DUCT SYSTEM

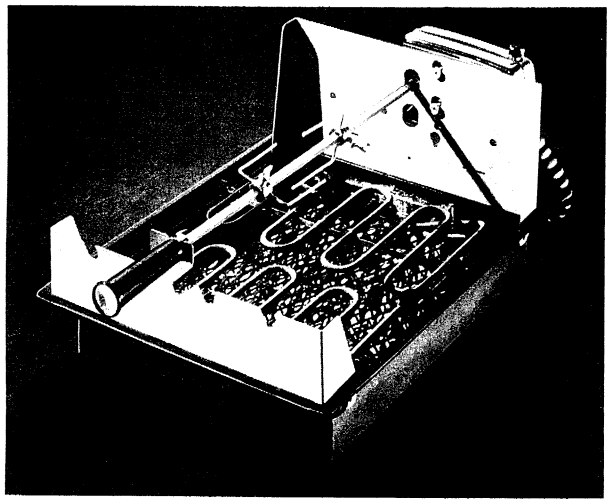
Whirlpool offers two types of wall caps for venting the electric down-draft models.

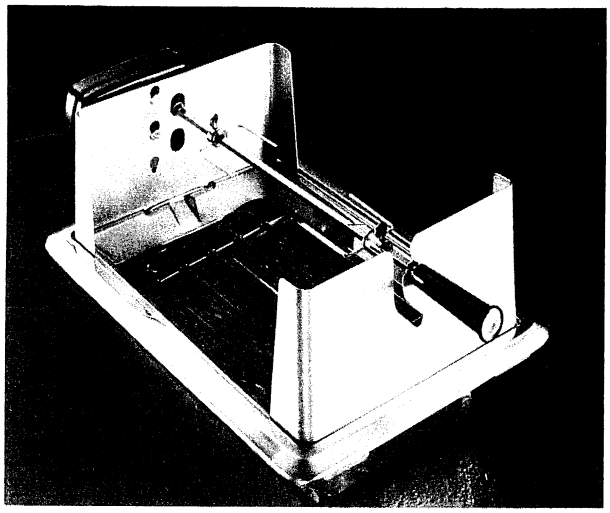
SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

ROTISSERIE KITS



Convert a Whirlpool range to a rotisserie oven to bring out the best flavor in meats. Kit comes with a special motor to be installed behind oven wall. Motor rotates spit slowly.





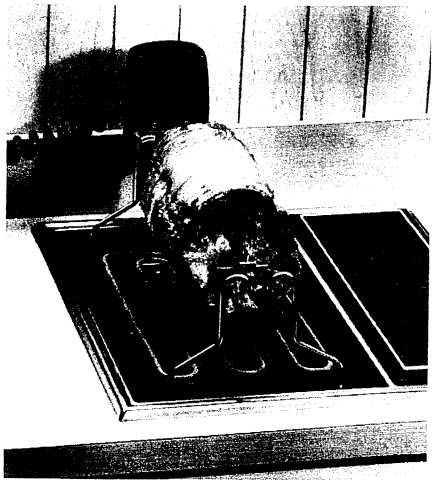
Motorized rotisserie is perfect companion piece for grill. Adjusts to two positions to help evenly brown ribs, fowl, roasts and kabobs.

Add Excitement to the Kitchen with . . .

INTERCHANGEABLE MODULES

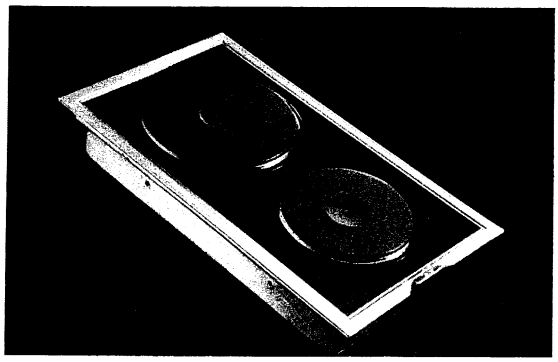
Interchangeable modules allow for easy conversion of conventional surface units into a grill, a griddle, a rotisserie, or a cutting board. Adds fun, flair and flexibility to meal preparation.

ROTISSERIE MODULE KIT



Motorized rotisserie fits into the down-draft unit in conjunction with the grill module. For preparing fowl or roasts with even browning.

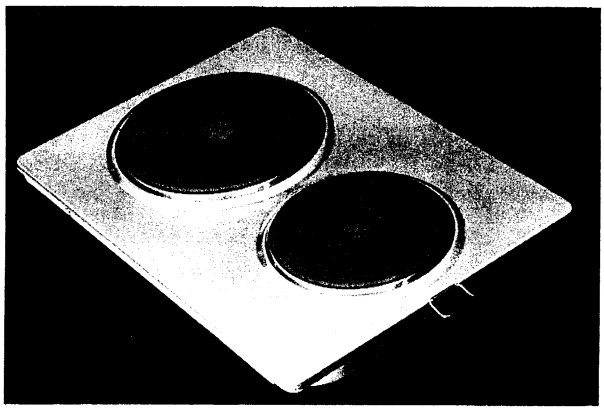
SOLID ELEMENT MODULE IN BLACK GLASS



Solid flat heavy cast iron surface elements, permanently mounted in a tempered black glass module with one (1) 1500-watt element and one (1) 2000-watt element. Spills cannot flow underneath, but stay on top of the surface area.

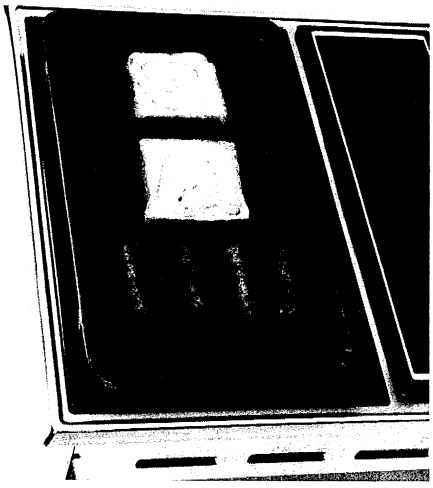
SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

SOLID ELEMENT MODULE



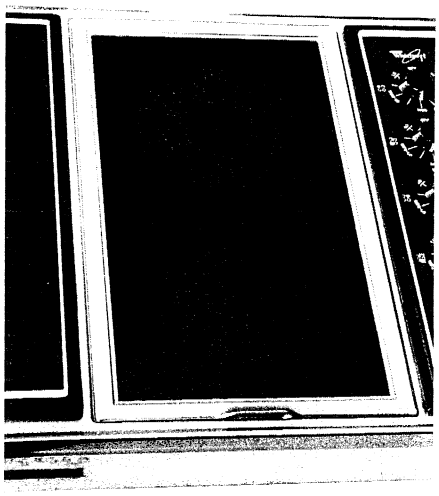
Solid, flat, heavy cast iron surface elements, permanently mounted in a brushed chrome module with one (1) 1500-watt element and one (1) 2000-watt element. Spills cannot flow underneath, but stay on top of the surface area.

GRIDDLE MODULE KIT



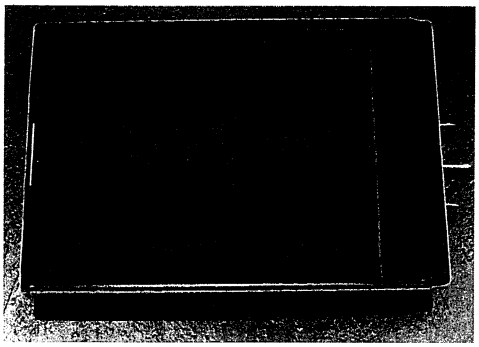
Non-stick griddle includes a built-in grease well. Griddle may be easily set into position over dual burner or surface unit in place of grill. Great for bacon, pancakes, and grilled cheese sandwiches.

SMOOTH TOP MODULE KIT



The convenient black glass fits easily in either surface unit or grill space. Provides extra "landing space" when not in use.

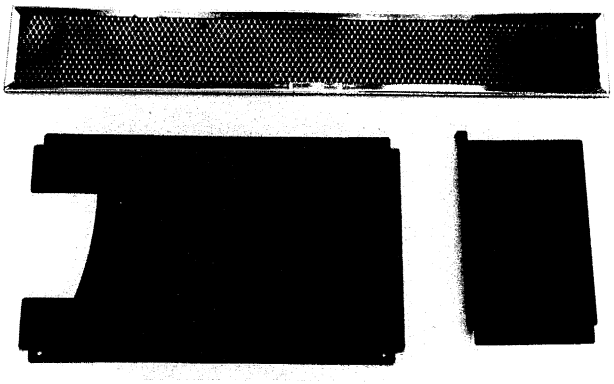
GRIDDLE KIT



Teflon-coated aluminum griddle with built-in grease ring will make "short-order" cooking a snap.

SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

RECIRCULATING KITS



When the capabilities for outside ventilation are not available, you can convert the range hood to a ventless application, where air is circulated back into the room through the filter.

RANGE HOOD FILTERS

We have available grease, charcoal and smoke filters for your range hood.

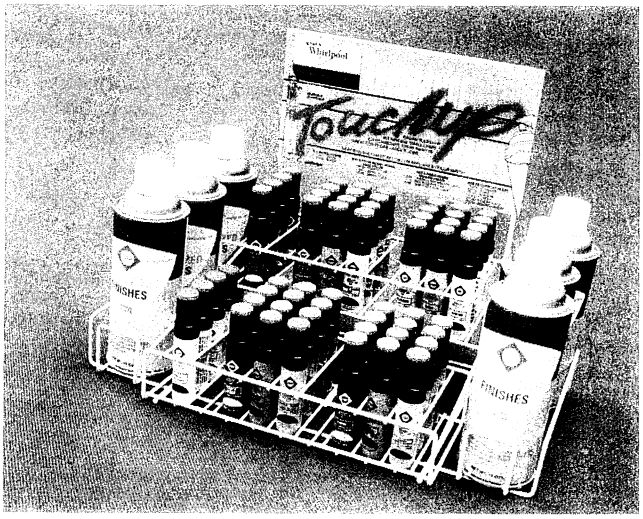
Sizes are:

Grease Filter—Anywhere between 11 and 30 inches in length, 4 to 13 inches in width and ¼ to ½ inches thick.

Charcoal Filter—Anywhere between 11 and 26 inches in length, 4 to 13 inches in width and ¼ to ½ inches thick.

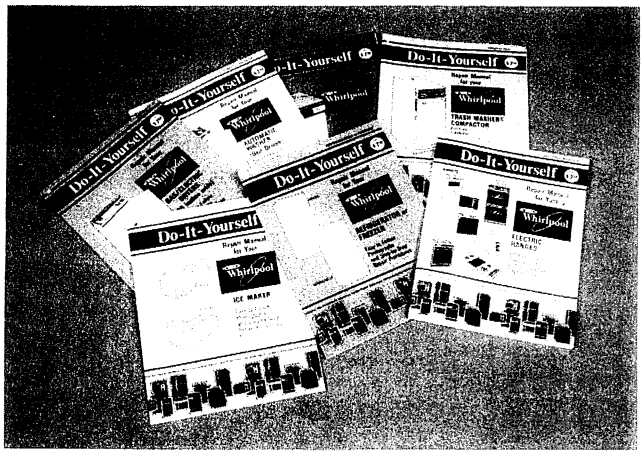
Smoke Filter—Anywhere between 8 and 25 inches in length, 5 to 9 inches in width and ⅛ to ¼ inches thick.

TOUCH-UP PAINT



Quick and easy way to keep your appliance looking like new. Touch up scratches and chips when they occur.

DO-IT-YOURSELF REPAIR MANUALS

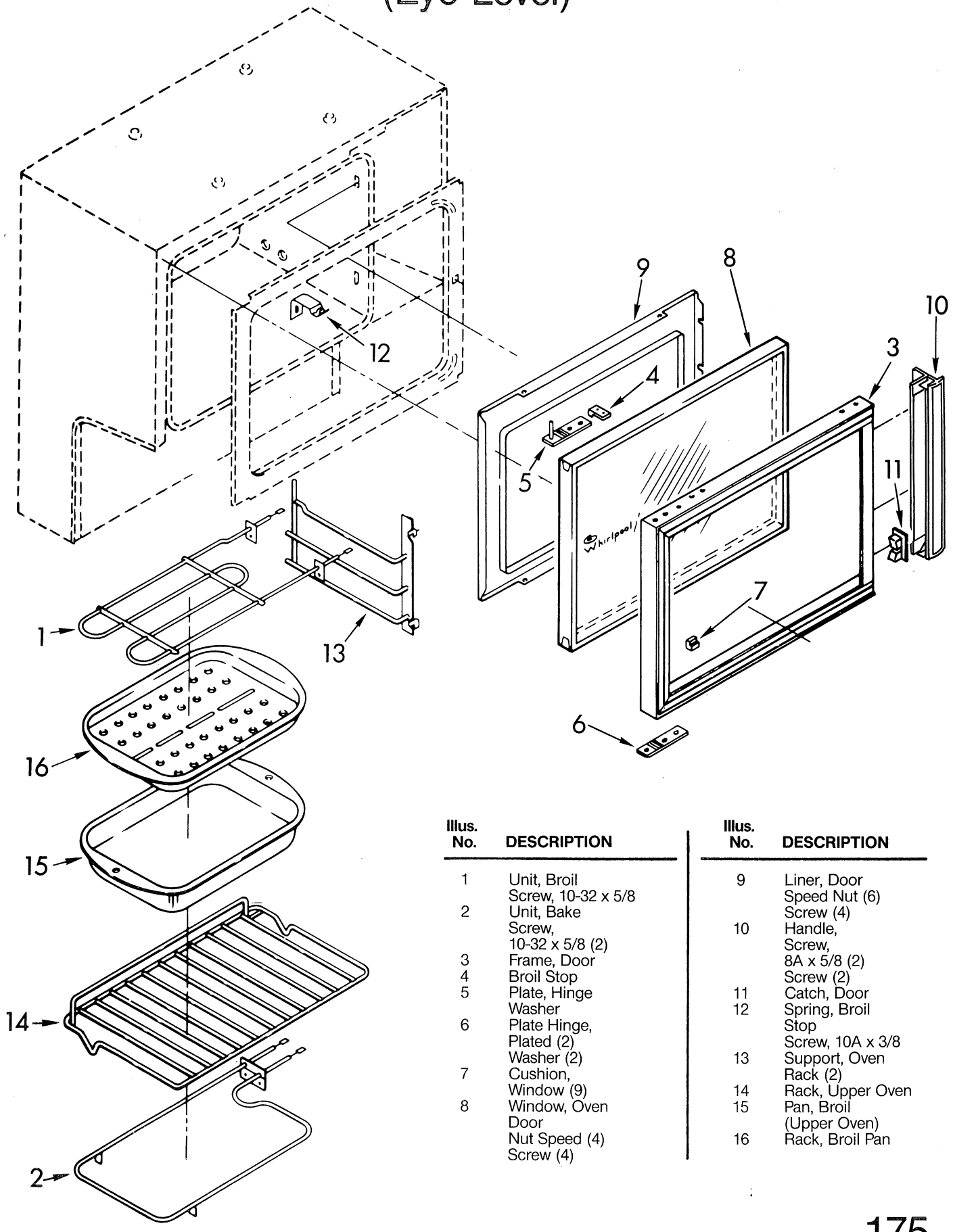


With these manuals, you will learn how to diagnose a problem that may crop up in your WHIRLPOOL Home Appliance . . . and how to correct it.

We have seven manuals now available: Automatic Washer, Dryer (Gas & Electric), Dishwasher, Compactor, Ice Maker, Refrigerator/Freezer and the Electric Range.

SEE YOUR AUTHORIZED TECH-CARE® SERVICE COMPANY FOR ORDERING.

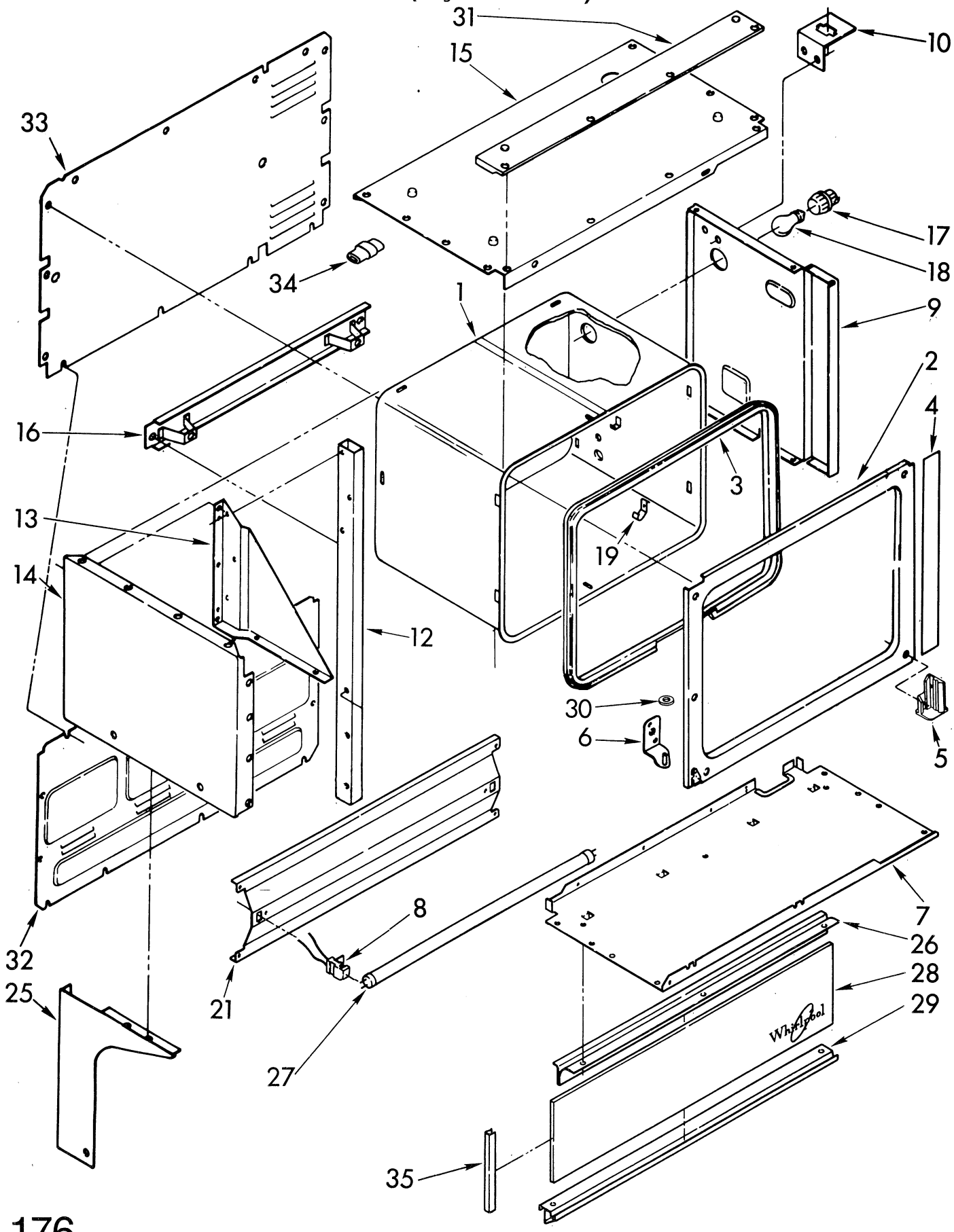
TYPICAL UPPER OVEN PARTS
(Eye-Level)



Illus. No.	DESCRIPTION
1	Unit, Broil
	Screw, 10-32 x 5/8
2	Unit, Bake
	Screw, 10-32 x 5/8 (2)
3	Frame, Door
4	Broil Stop
5	Plate, Hinge
	Washer
6	Plate Hinge, Plated (2)
	Washer (2)
7	Cushion, Window (9)
8	Window, Oven Door
	Nut Speed (4)
	Screw (4)

Illus. No.	DESCRIPTION
9	Liner, Door
	Speed Nut (6)
	Screw (4)
10	Handle,
	Screw, 8A x 5/8 (2)
	Screw (2)
11	Catch, Door
12	Spring, Broil Stop
	Screw, 10A x 3/8
13	Support, Oven Rack (2)
14	Rack, Upper Oven
15	Pan, Broil (Upper Oven)
16	Rack, Broil Pan

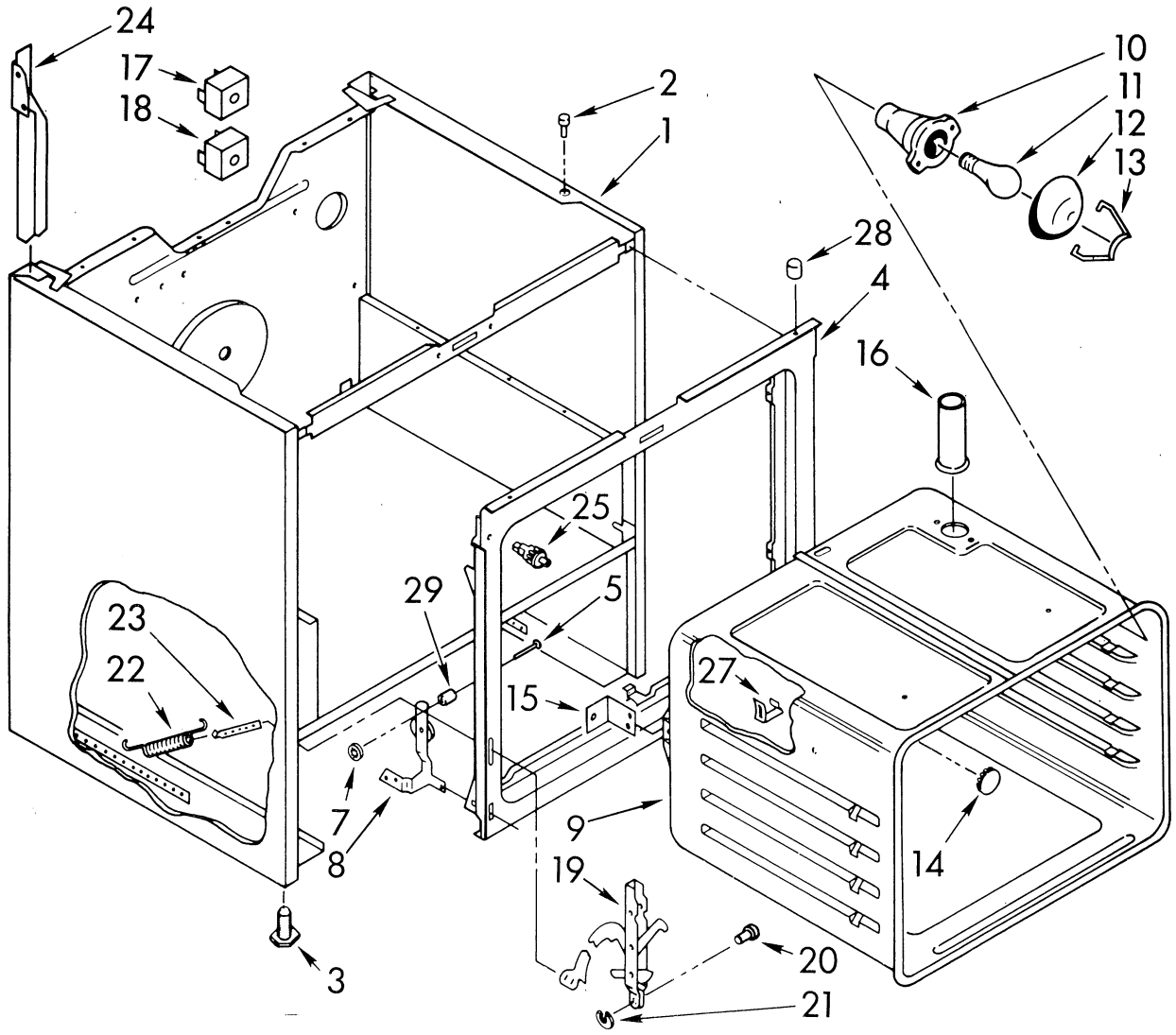
TYPICAL UPPER OVEN PARTS
(Eye-Level)



TYPICAL UPPER OVEN PARTS (Eye-Level)

Illus. No.	DESCRIPTION
	Note: Screws And Nuts Required To Attach A Part Are Listed Immediately Following That Part.
1	Oven (Continuous Clean)
2	Frame, Front
	Screw, 10A x 3/8 (2)
	Screw, 10-32 x 1/2
	Screw 10-16 x 1/2 (8)
3	Seal, Door
4	Shield, Upper Oven
5	Latch Plate (Upper Oven)
	Screw, 8 x 3/8 (4)
	Screw, 10-12 x 7/8
6	Bracket, Hinge
	Screw, 10-24 x 3/8 (2)
7	Bottom Panel
	Bumper (4)
	Screw, 10-16 x 1/2
8	Socket Assembly
	Screw, 8A x 3/8 (2)
9	Baffle
	Screw, 10-32 x 1/2
10	Bracket, Receptacle
	Screw, 10-16 x 1/2 (3)
12	Tubing Support
13	Gusset
	Screw, 10-16 x 1/2 (6)
14	Panel, Side
	Screw, 10-12 x 7/8 (2)
	Screw, 8A x 1/2 (2)
	Screw, 10-16 x 1/2 (8)
15	Panel, Top
	Screw, 8A x 3/8 (8)
	Screw, 10A x 3/8 (3)
16	Support, Oven
	Nut, Retainer (2)
	Screw, 10-16 x 1/2 (2)
	Bolt (2)
17	Socket, Light
	Screw, 10-12 x 7/8 (2)
18	Bulb, Light
19	Clip, Therm Bulb (2)
21	Panel, Backguard
	Screw, 10-16 x 1/2 (4)
25	End Trim
	Screw, 10-16 x 1/2 (4)
	Screw, 10A x 1/2 (4)
26	Trim, Glass (Top)
	Screw, 8A x 1/2 (4)
27	Lamp, Fluorescent
28	Panel, Glass
29	Trim Glass (Bottom)
	Screw, 8A x 3/8 (2)
	Screw, 8A x 3/8 (2)
30	Washer, Nylon (2)
31	Trim, Top
	Screw (2)
32	Rear Cover
	Screw, 10-16 x 1/2 (7)
33	Rear Cover
	Screw, 10-16 x 1/2 (14)
34	Connector (3)
35	Trim, End (Glass) (2)

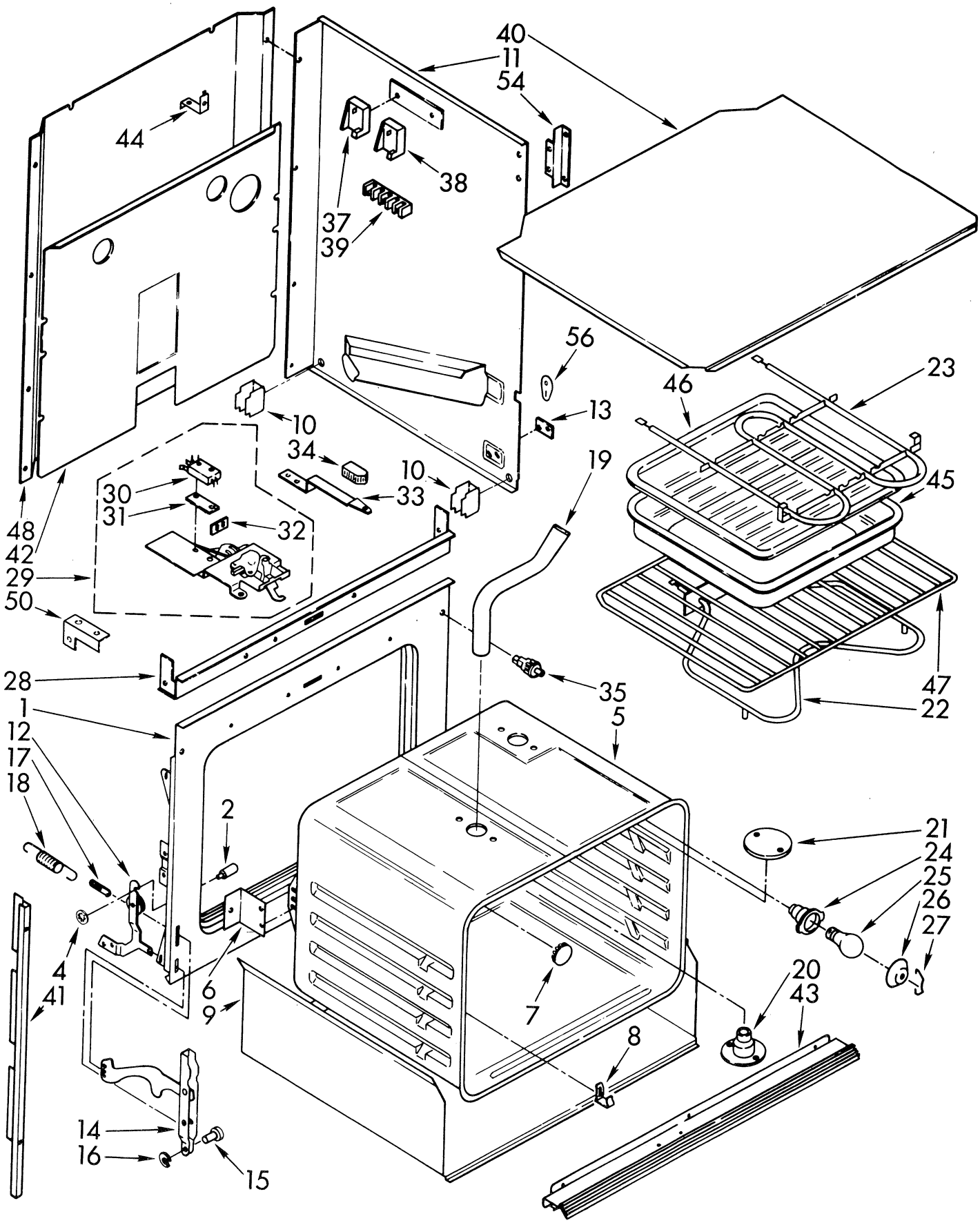
TYPICAL OVEN PARTS



TYPICAL OVEN PARTS

Illus. No.	DESCRIPTION
1	Main Chassis
	Screw, 10-32 x 1/2
	Screw, 10-16 x 1/2 (2)
2	Bumper, Cooktop (2)
3	Leg Leveling (4)
4	Frame, Front
	Screw, 10-16 x 1/2 (13)
5	Pin, Hinge
7	Pushnut
8	Hinge
	Screw, 10-16 x 1/2 (4)
9	Oven (30" Pyro)
	Screw (3)
10	Socket, Lamp
	Screw, 10-12 x 7/8 (2)
11	Bulb, Oven Light
12	Cover, Light
13	Retainer, Light
14	Plug, Button
15	Bracket, Oven Mounting
	Screw, 10-16 x 1/2 (4)
16	Vent, Oven
	Screw, 10A x 1/2 (2)
17	Switch, Broil
18	Switch, Bake
19	Channel, Arm (2)
20	Hinge Pin (2)
21	Ring, Retainer (2)
22	Spring, Oven Door (2)
23	Anchor, Spring (2)
24	Support, Channel
	Screw, 10-16 x 1/2 (4)
25	Switch, Door
27	Clip, Therm Bulb (2)
28	Locator, Cooktop (2)
	Screw, 8-32 x 5/16 (2)
29	Snubber, Door (2)

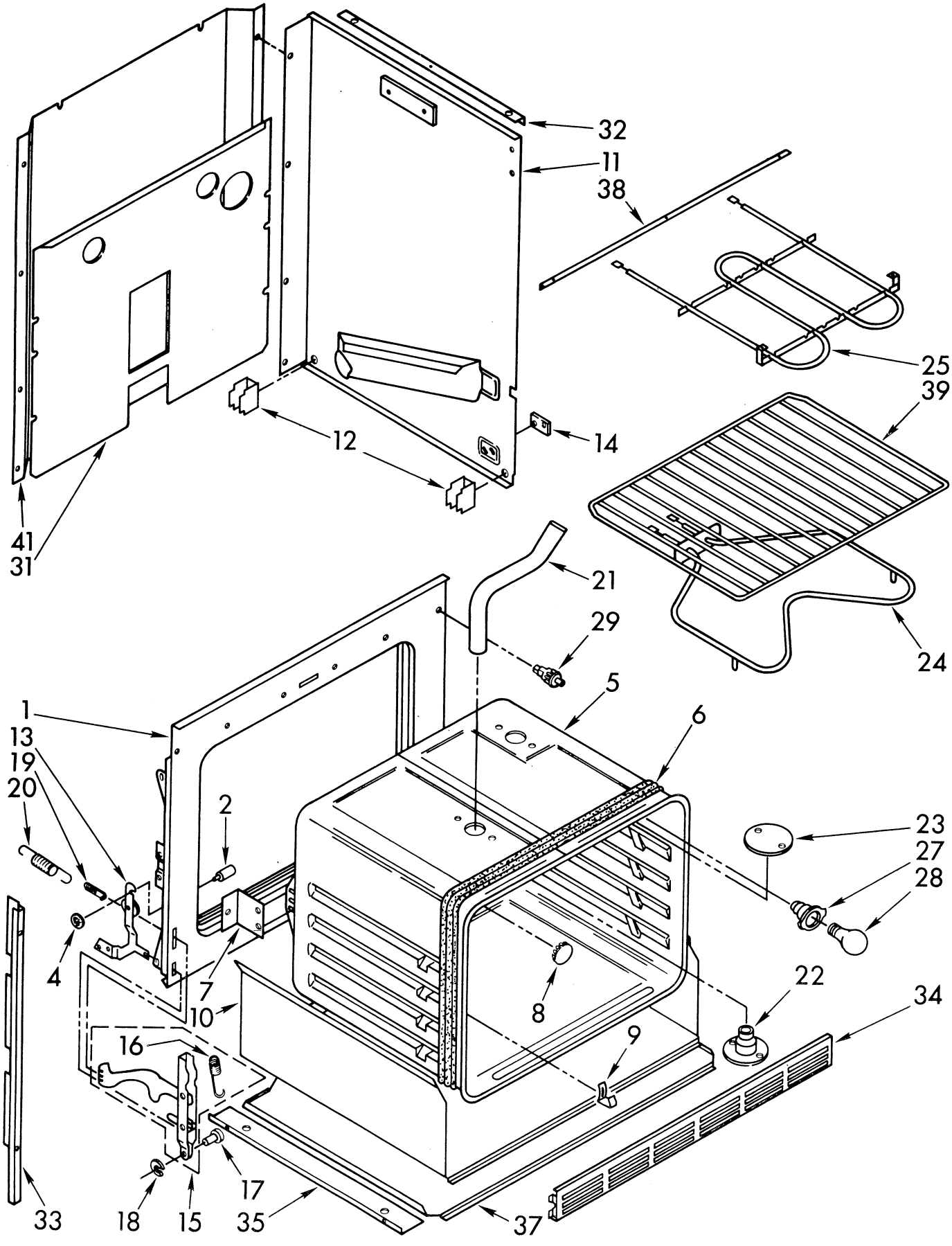
TYPICAL UPPER OVEN PARTS



TYPICAL UPPER OVEN PARTS

Illus. No.	DESCRIPTION
	Note: The Screws And Nuts Required To Attach A Part Are Listed Immediately Following That Part.
1	Frame Front
2	Pin, Hinge Ear (2)
4	Pushnut (2)
5	Oven, 30" Pyro
	Screw (3)
6	Bracket, Oven Mounting (2)
	Screw, 10A x 1/2 (6)
7	Plug Button
8	Clip, Therm Bulb (2)
9	Insulation Tray
	Screw, 10A x 1/2 (2)
10	Support, Side Wrapper (4)
	Screw, 10A x 1/2 (4)
11	Side Wrapper
	Screw, 10A x 1/2 (4)
12	Hinge Ear
13	Plate (2) (Side Panel)
	Screw, 10-24 x 1/2 (4)
14	Channel Arm (2)
15	Pin, Hinge (2)
16	Retainer Ring (2)
17	Anchor Spring (2)
18	Spring, Oven Door (2)
19	Vent, Extension (2)
20	Eliminator, Smoke
	Screw, 10-16 x 1/2
21	Plate Cover
	Screw, 10A x 1/2 (2)
22	Unit, Bake
	Screw, 10-32 x 5/8 (2)
23	Unit, Broil
	Screw, 10-32 x 5/8 (4)
24	Socket, Oven Light
	Screw, 10-12 x 7/8 (2)
25	Bulb, Oven Light
26	Cover, Oven Light
27	Retainer, Oven Light
28	Baffle, Top Insulation
	Screw, 10A x 1/2 (2)
29	Latch Assembly
	Screw, 10A x 1/2 (4)
30	Safety Switch
	Screw (2)
31	Insulator, Switch
32	Terminal, Shield
33	Latch, Handle
	Screw, 10-24 x 1/2 (2)
34	Knob, Latch Handle
	Screw, 80 x 5/16
35	Switch, Door
37	Switch, Percentage Broil
38	Switch, Bake
39	Terminal Block
	Nut (3)
	Screw, 10-12 x 7/8
40	Cover, Top
	Screw, 10A x 1/2 (4)
41	Side Trim
	Left Side
	Right Side
42	Panel, Back (2)
	Screw, 10A x 1/2 (6)
43	Hood, Lower Vent
	Screw, 10A x 1/2 Black (3)
44	Stand Off
	Screw, 10A x 1/2
45	Pan, Broiler
47	Rack, Oven Straight
	Rack, Oven Offset
49	Cover, Rear
	Screw, 10A x 1/2 (9)
50	Shield, Insulation
	Screw, 10A x 1/2
54	Bracket, Control Panel Mounting (2)
	Screw, 10A x 1/2 (4)
	Screw (4)
56	Coverplate

TYPICAL LOWER OVEN PARTS



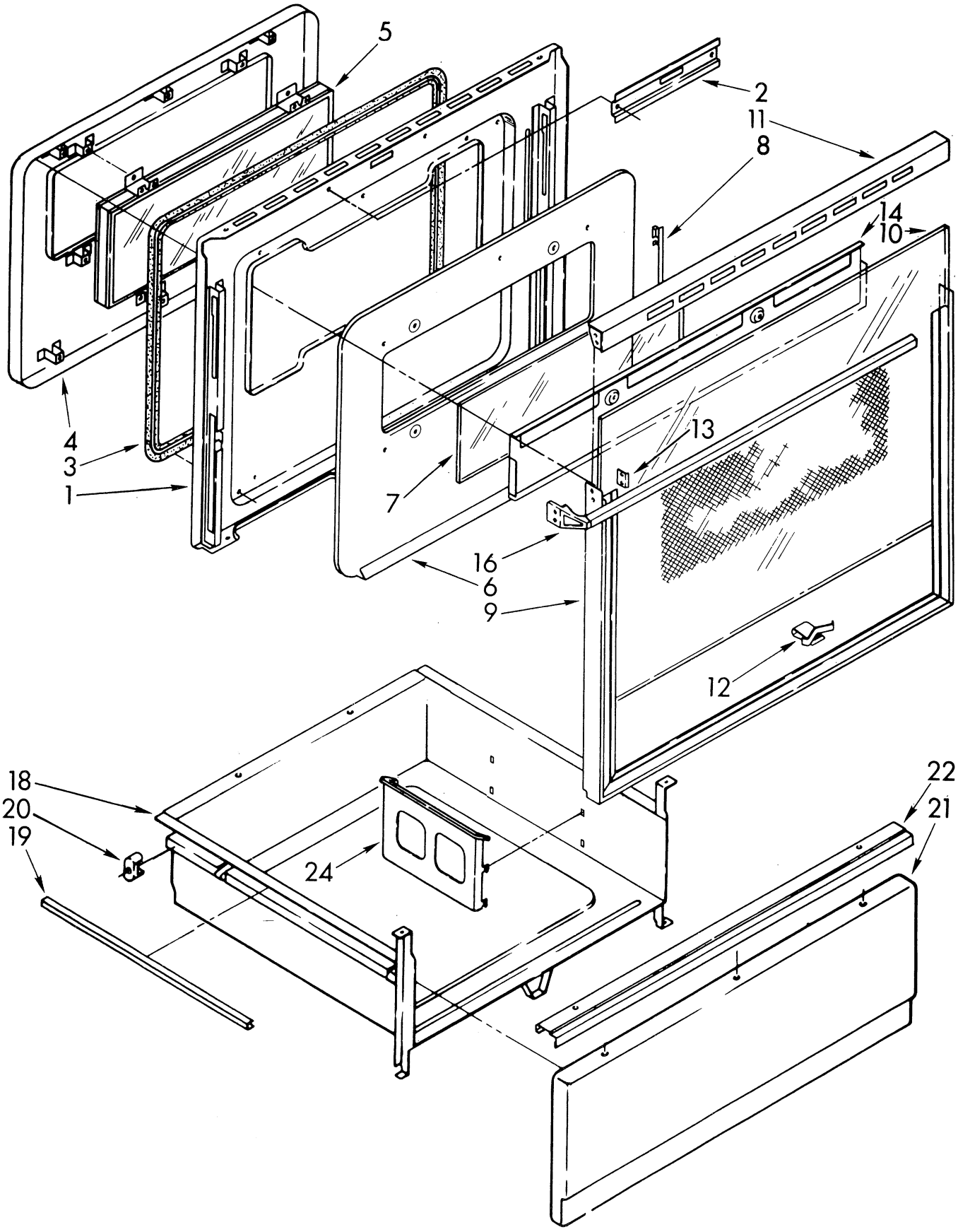
TYPICAL LOWER OVEN PARTS

Illus. No.	DESCRIPTION
	Note: The Screws And Nuts Required To Attach A Part Are Listed Immediately Following That Part.
1	Frame Front
2	Pin, Hinge Ear (2)
4	Pushnut (2)
5	Oven, 30" Continuous Clean
	Screw (3)
6	Heat Seal
7	Bracket, Oven Mounting (2)
	Screw, 10-32 x 5/8 (6)
8	Plug Button
9	Clip, Therm Bulb (2)
10	Insulation Tray
	Screw, 10A x 1/2 (2)
11	Side Wrapper
12	Support, Side Wrapper (4)
	Screw, 10A x 1/2 (8)

Illus. No.	DESCRIPTION
13	Hinge Ear
14	Plate, Side Panel (2)
	Screw, 10-24 x 1/2 (4)
15	Channel Arm (2)
16	Spring, Door Stop (2)
17	Pin, Hinge
18	Retainer Ring
19	Anchor Spring (2)
20	Spring, Oven Door (2)
21	Tube, Lower Vent
	Screw, 10-16 x 1/2
22	Eliminator, Smoke
	Screw, 8A x 3/8
	Screw, 10A x 1/2 (2)
23	Plate Cover
	Screw, 10A x 1/2 (2)
24	Unit, Bake
	Screw, 10-32 x 5/8 (2)
25	Unit, Broil
	Screw, 10-32 x 5/8 (2)

Illus. No.	DESCRIPTION
27	Socket, Oven Light
	Screw, 10-12 x 7/8 (2)
28	Bulb, Oven Light
29	Swith, Door
30	Panel, Back
	Screw, 10A x 1/2 (6)
31	Panel, Back
	Screw, 10A x 1/2 (6)
32	Angle Support (2)
	Screw, 10A x 1/2 (4)
33	Side Trim
	Screw, 8-15 x 1/2 Black (3)
34	Bottom Grille
35	Angle Support (2)
	Screw, 10A x 1/2 (4)
37	Cover, Bottom
	Screw, 10A x 1/2 (4)
38	Bracket Angle
	Screw, 8 x 1/4 (3)
39	Rack, Oven Straight
41	Cover, Rear
	Screw, 10A x 1/2 (11)

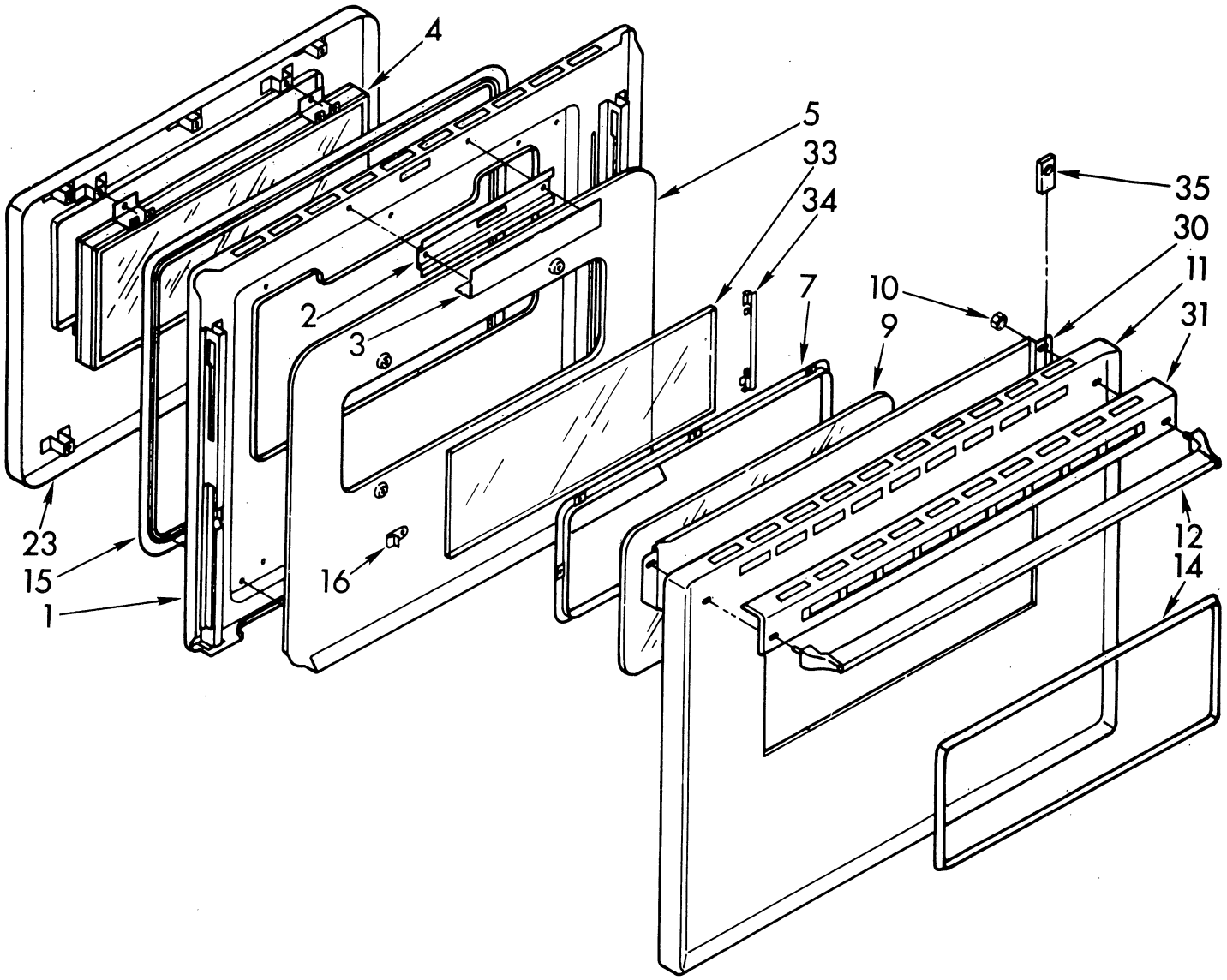
TYPICAL DOOR AND DRAWER PARTS



TYPICAL DOOR AND DRAWER PARTS

Illus. No.	DESCRIPTION
	Note: The Screws And Nuts Required To Attach A Part Are Listed Immediately Following That Part.
1	Liner, Door
	Screw, 10A x 1/2 (9)
2	Channel, Latch
	Screw (2)
3	Seal, Fiberglass
4	Panel, Inner
5	Window Package
	Screw, 10A x 1/2 (4)
6	Insulation Retainer
	Screw, 10A x 1/2 (8)
7	Glass
8	Retainer, Glass
9	Frame, Door
10	Glass, Outer
11	Top, Door Frame
	Screw, 10A x 1/2 (2) (Black)
12	Clip, Glass (10)
13	Clip (2)
14	Baffle, Heat
	Pushnut (2)
16	Handle, Oven Door
	Screw, 8 x 7/8 (4)
18	Drawer, Utility
19	Protector, Drawer Side (2)
20	Glide, Rear (2)
	Screw, 10A x 1/2 (2)
21	Panel, Drawer
	Screw, 8-18 x 1/2 (3)
22	Handle, Drawer
	Screw, 8-18 x 1/2 (2)
24	Literature Rack

TYPICAL DOOR PARTS

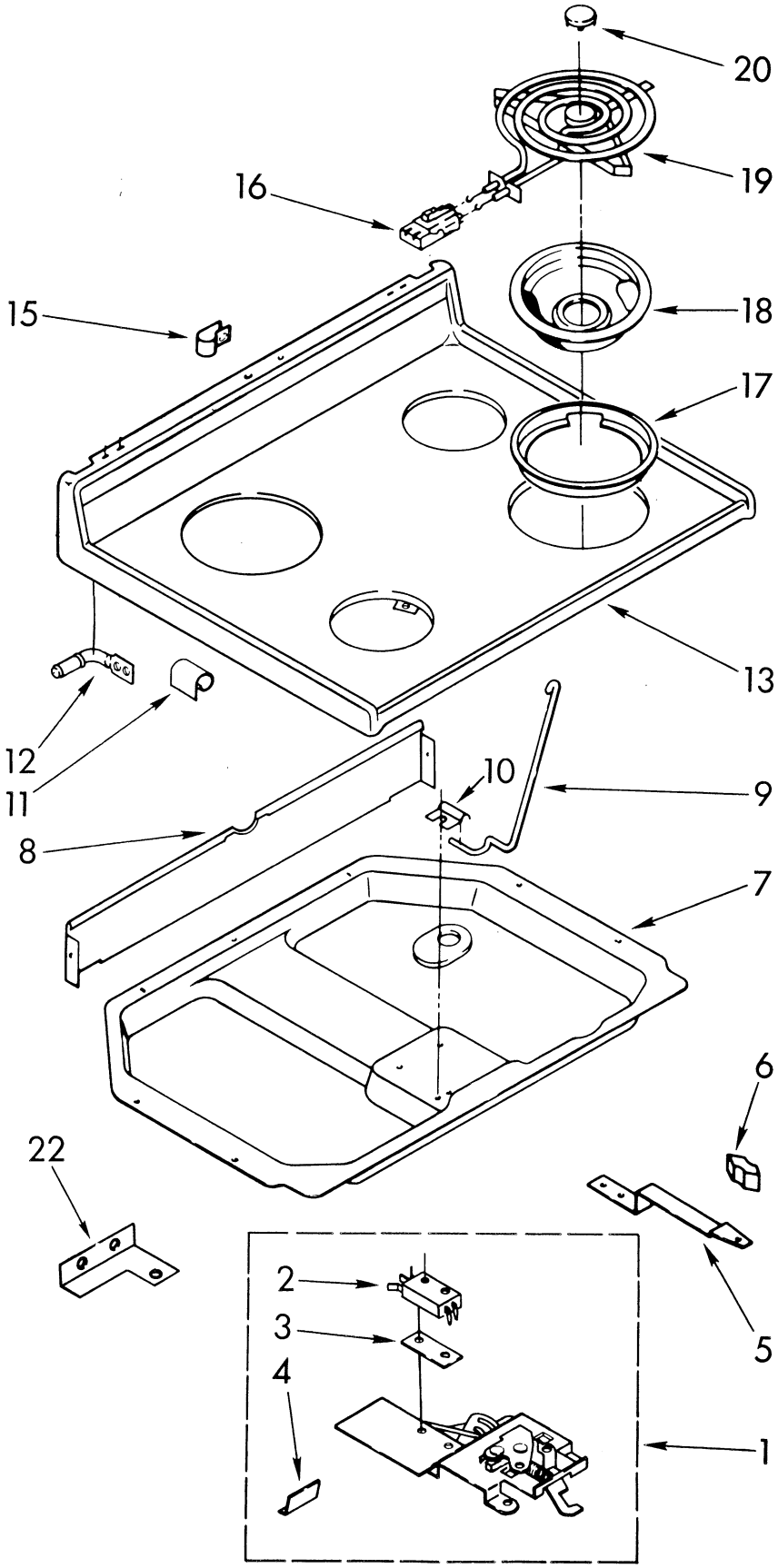


Illus. No.	DESCRIPTION
1	Liner, Door
	Screw, 10A x 1/2 (9)
	Screw, 8A x 1/2 (2)
2	Channel, Latch
	Screw (2)
3	Shield
4	Window Package
	Screw, 10A x 1/2 (4)

Illus. No.	DESCRIPTION
5	Retainer, Insulation
	Screw, 10A x 1/2 (8)
7	Retainer, Glass
9	Glass, Outer
	Screw, 7-19 x 3/8 (8)
10	Palnut (2)
11	Panel, Door
12	Handle, Oven Door
14	Frame, Window
	Screw, 8A x 5/8

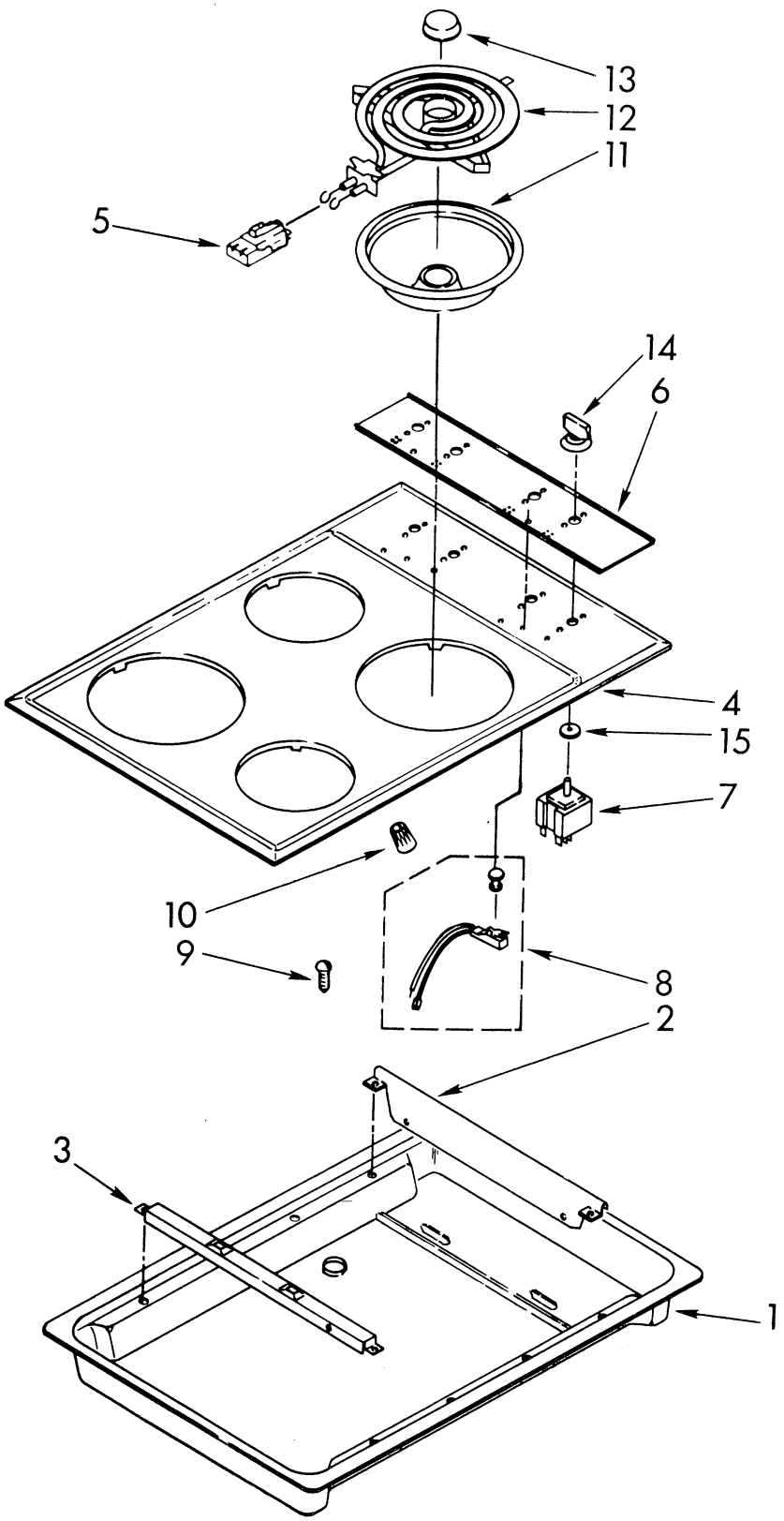
Illus. No.	DESCRIPTION
15	Seal, Fiberglass
16	Clip, Frame (2)
23	Panel, Inner
30	Baffle, Top
	Clip (2)
31	Trim, Panel Clip
33	Glass (6.81" x 18.31")
34	Retainer, Glass
35	Spacer (Fish Paper)

TYPICAL COOKTOP PARTS



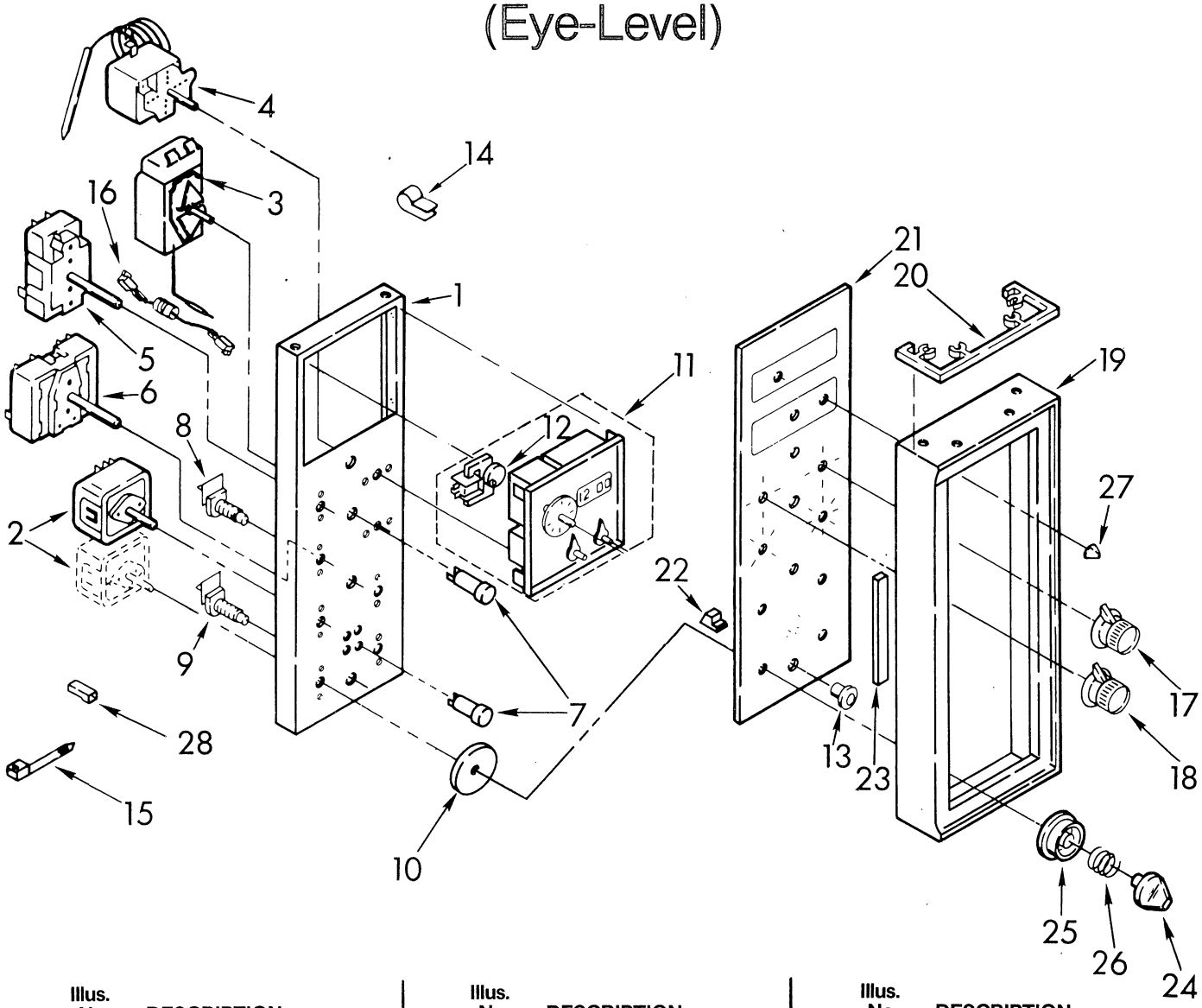
Illus. No.	DESCRIPTION
1	Latch Assembly Screw, 10-16 x 1/2 (2)
2	Safety Switch Screw (2)
3	Insulator, Switch
4	Shield, Latch Terminal Screw, 6 x 3/8B (2) Screw, 6-32 x 1/4 (2)
5	Handle, Latch Screw, 8-18 x 1/2 Screw, 10-24 x 1/2 (2) Screw (2)
6	Knob, Latch
7	Burner Box Screw, 10A x 3/8 (4)
8	Shield, Wiring Screw, 10-16 x 1/2 (4)
9	Rod, Cooktop
10	Retainer, Cooktop Screw, 10A x 3/8
11	Bracket, Cooktop (2) Screw, 10-16 x 1/2 (4)
12	Pin, Cooktop (2) Screw, 10-16 x 1/2 (4)
13	Cooktop Screw, 10-32 x 1/2
15	Strain Relief Screw, 10-16 x 1/2
16	Receptacle Clip (4) Screw, 6-32 x 1/4 (4)
17	Adapter Ring
18	Reflector Pan
19	Unit, Surface (4) (Includes Illus. 20)
20	Medallion (4)
22	Shield, Insulation Screw, 10A x 1/2

TYPICAL BUILT-IN COOKTOP PARTS



Illus. No.	DESCRIPTION
1	Burner Box
2	Shield, Switch
	Screw, 8-18 x 1/2 (2)
3	Support, Cooktop
	Screw, 8-18 x 1/2 (2)
4	Cooktop
	Screw (4)
5	Receptacle, Plug-In (4)
	Screw, 6-32 x 1/4 (4)
6	Panel, Control
7	Switch, Infinite
	Screw, 8-32 x 5/16 (8)
8	Light, Indicator (2) (Includes Lens)
9	Screw, 10D-32 x 5/16 (2) (Ground Wire)
10	Connector, Wire
11	Pan, Surface Unit
12	Unit, Surface (4) (Includes Illus. 13)
13	Medallion, Surface Unit
14	Knob, Control (4)
15	Seal, Switch Shaft (4)

TYPICAL CONTROL PANEL PARTS
(Eye-Level)

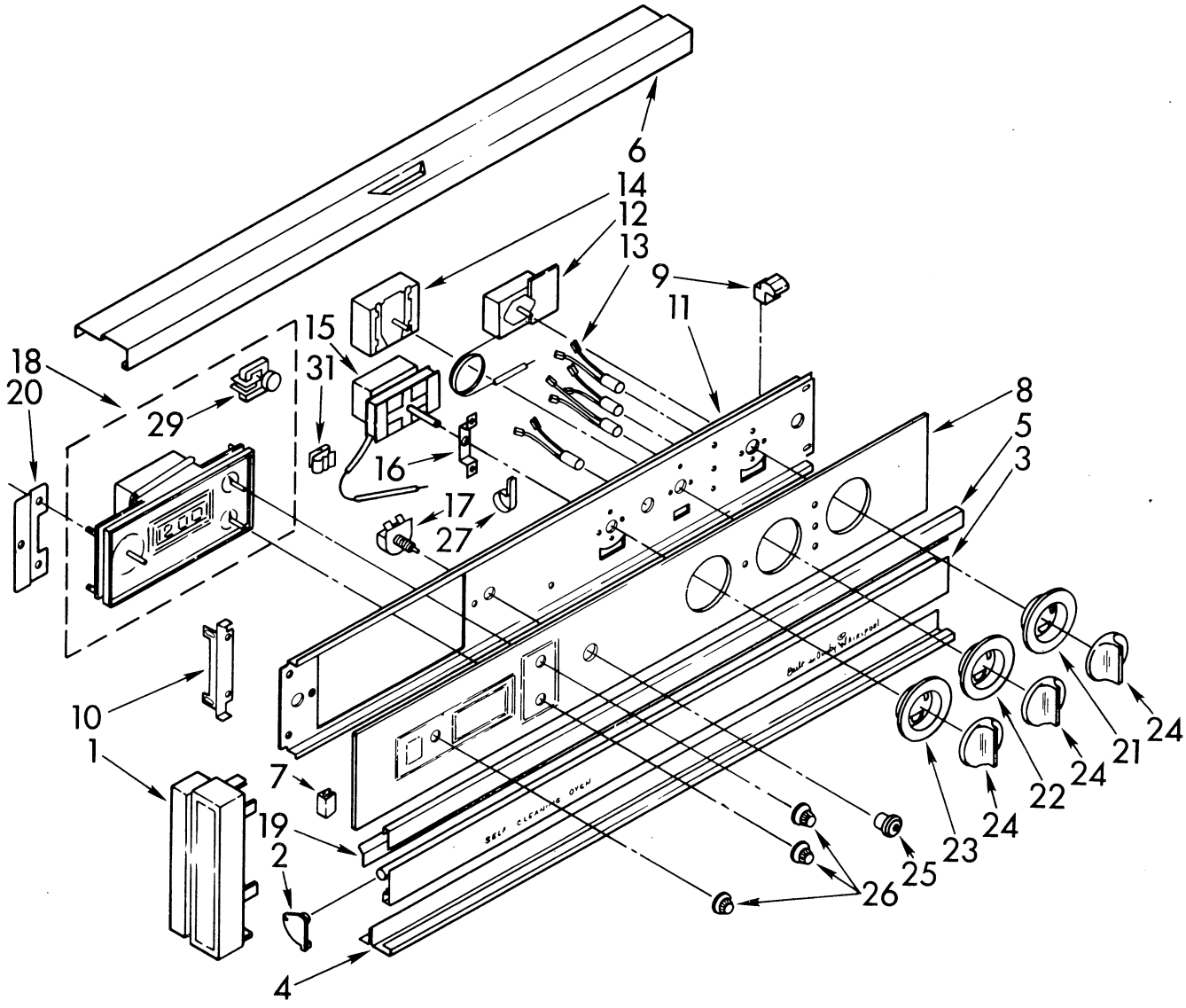


Illus. No.	DESCRIPTION
	Note: The Screws And Nuts Required To Attach A Part Are Listed Immediately Following That Part.
1	Panel, Control
	Screw, 10-32 x 1/2 (2)
2	Switch, Infinite (4)
	Screw, 8-32 x 3/16 (8)
3	Thermostat, Oven
	Screw, 6-32 x 1/4 (2)
4	Thermostat (Upper Oven)
	Screw, 6-32 x 1/4 (2)
5	Switch, Selector
	Screw, 8-32 x 3/16 (2)
6	Switch, Selector
	Screw, 8-32 x 3/16 (2)

Illus. No.	DESCRIPTION
7	Light, Indicator
8	Switch, Fluorescent Light
9	Switch, Oven Light
	Nut, 3/8 x 27
10	Skirt, Knob (4)
11	Timer, Digital (Includes Illus. 12)
	Screw, 6-32 x 1/4 (3)
	Screw, 10-32 x 1/2
	Screw, 8A x 1/2 (4)
12	Motor, Timer
13	Bezel, Switch (2)
14	Strain Relief
	Strain Relief
	Screw, 10 x 3/8 (2)
	Screw, 10A x 1/2
15	Cable Tie (3)
16	Resistor & Terminal Assembly
17	Knob, Thermostat
	Screw

Illus. No.	DESCRIPTION
18	Knob, Selector
	Clip, Spring
	Screw
19	Frame, Control Panel
	Screw (2)
	Screw, 10A x 2
20	Filler, Control Panel
	Screw, 8BT x 1/4 (3)
21	Glass, Control Panel
22	Retainer, Glass (10)
23	Seal Foam
24	Knob, Control (4)
25	Bezel, Control Knob (4)
26	Spring, Bezel (4)
27	Knob, Timer (3)
	Spring (3)
28	Housing, Receptacle

TYPICAL CONTROL PANEL PARTS

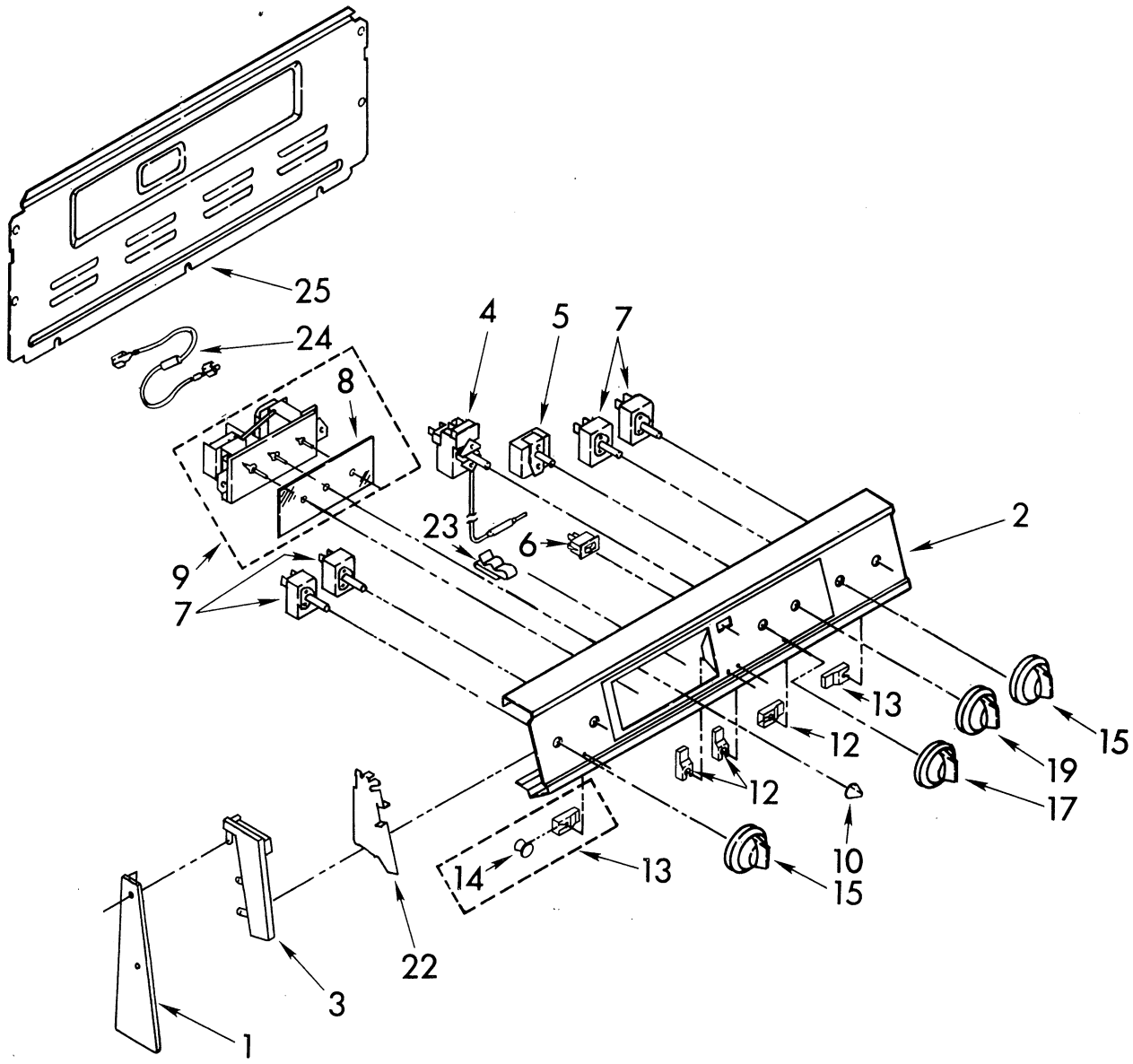


Illus. No.	DESCRIPTION
	Note: The Screws And Nuts Required To Attach A Part Are Listed Immediately Following That Part.
1	End Cap
2	End Trim, Vent
3	Door, Vent
4	Trim, Bottom
	Screw (2)
5	Trim, Center
	Screw (2)
6	Rail, Top
	Screw (2)
7	Channel, Rubber (2)
8	Control Panel, Glass
9	Retainer, Glass (4)
10	Bracket, Control Panel (2)
	Screw (4)

Illus. No.	DESCRIPTION
11	Control Bracket
12	Thermostat Oven
	Clip
	Screw, 6-32 x 1/4 (2)
13	Indicator Light (4)
14	Selector Switch
	Screw, 8-32 x 1/4 (2)
15	Thermostat, Oven Continuous Clean
16	Bracket, Thermo
	Screw (4)
	Screw, 6-32 x 1/4 (2)
17	Switch, Oven Light
	Nut, 3/8 x 27
18	Timer, Digital (Includes Illus. 29)
	Palnut, 10-32 (4)
19	Seal, Backguard

Illus. No.	DESCRIPTION
20	Bracket, Timer
	Screw, 8A x 3/8 (6)
21	Escutcheon, Thermostat
22	Escutcheon, Selector Switch
23	Escutcheon, Thermostat (Lower Oven)
	Screw, 8 x 1/4
24	Knob, Control (3)
25	Bezel Switch (1)
26	Knob, Timer (3)
27	Strain Relief (3)
	Screw, 8A x 3/8
	Strain Relief
	Screw, 10-32 x 5/16
29	Motor, Timer
31	Clip, Tube

TYPICAL CONTROL PANEL PARTS

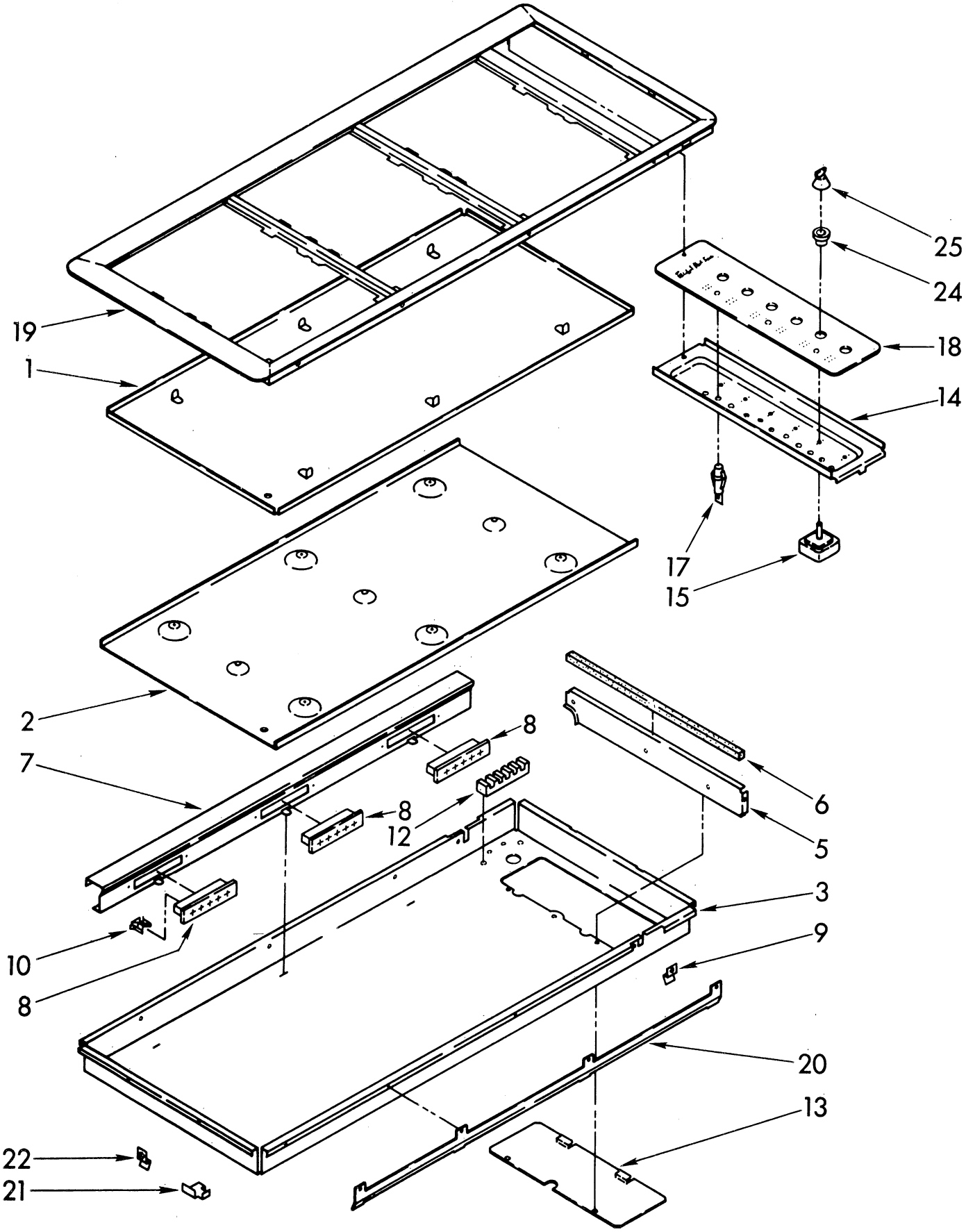


Illus. No.	DESCRIPTION
1	End Trim
	Screw, 10A x 3/8 (2)
	Screw, 10-16 x 1/2 (4)
2	Panel, Control
	Screw, 8-18 x 5/8 (4)
	Screw, 10-32 x 1/2
3	End Cap
	Screw, 8BT x 1/4 (4)
4	Thermostat, Oven
	Screw, 6-32 x 1/4 (2)

Illus. No.	DESCRIPTION
5	Switch, Selector
	Screw, 8-32 x 1/4 (2)
6	Switch, Rocker
7	Switch, Infinite
	Screw, 8-32 x 1/4 (8)
8	Glass, Timer
9	Timer, Auto
	Screw, 8A x 3/8 (2)
10	Knob, Timer (3)
	Spring, Knob (2)
12	Light, Indicator (Includes Illus. 14)
13	Light, Indicator (Includes Illus. 14)

Illus. No.	DESCRIPTION
14	Lens, Amber (5)
15	Knob, Control
17	Knob, Control
	Screw (2)
19	Knob
	Spring, Knob
22	Shield (2)
	Screw, 8A x 3/8 (2)
23	Tube Clip
24	Resistor & Terminal Assembly
25	Cover, Rear
	Screw, 10-16 x 1/2 (8)

TYPICAL BODY and CONTROL PARTS

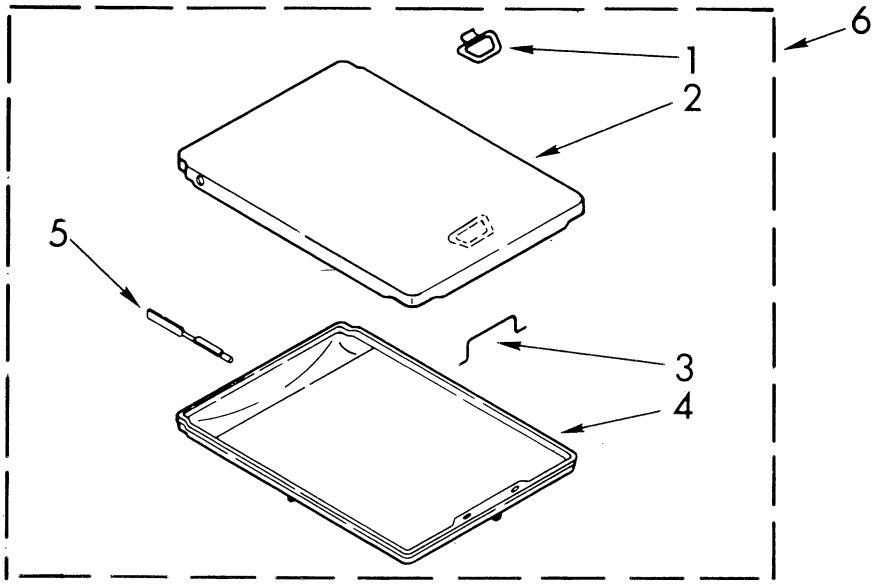


TYPICAL BODY and CONTROL PARTS

Illus. No.	DESCRIPTION
1	Retainer, Insulation
2	Shield, Bottom
3	Box, Outer
	Screw, 10-24 x 1/2
	Screw, 8-15 x 3/4 (4)
5	Divider, Box
	Screw, 10-24 x 1/4 (3)
6	Pad, Foam
7	Shield, Wire
	Screw, 10-24 x 1/4 (3)
8	Receptacle, Female (3)
9	Clip, Receptacle (6)
	Screw, 10-24 x 1/4 (6)
10	Terminal, Female (15)
12	Block, Terminal (Main)
	Nut, 10-32 (6)
	Screw, 10-24 x 7/8 (2)

Illus. No.	DESCRIPTION
13	Cover, Access
	Screw, 10-24 x 1/4 (2)
14	Bracket, Control
15	Switch, Infinite (6)
	Screw, 8-32 x 3/16 (12)
17	Light, Indicator (3)
18	Panel, Control (Glass)
	Tape, Foam
19	Frame, Cooktop
20	Shield, Front
	Screw, 10-24 x 1/2 (8)
	Clip (4)
	Screw (5)
21	Spacer, End
	Screw, 10-24 x 1/2
22	Clip, Receptacle Mounting
	Screw, 10-24 x 1/2
24	Bushing, Switch (6)
25	Control Knob (6)

TYPICAL GRIDDLE PARTS

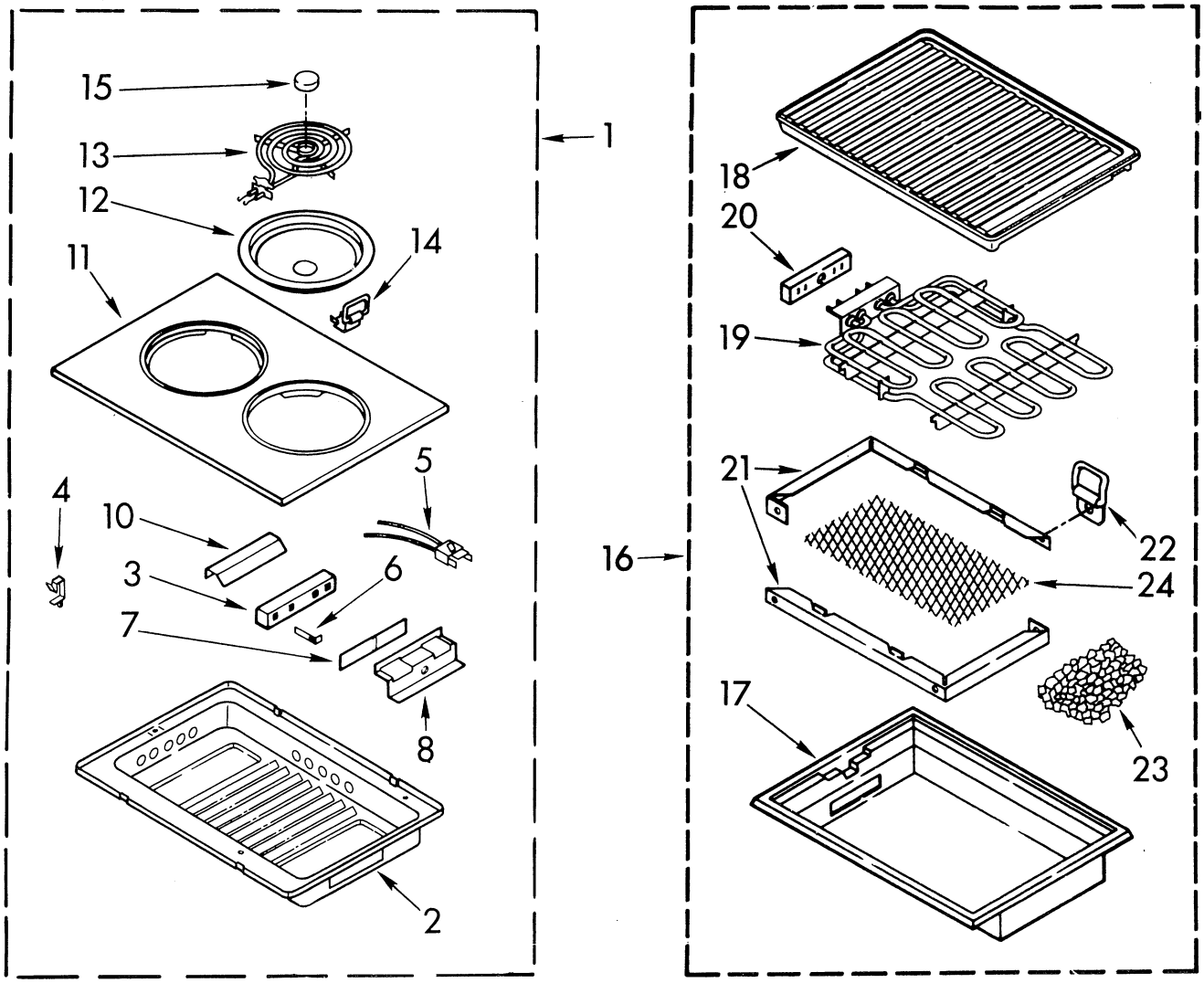


Illus. No.	DESCRIPTION
1	Handle, Griddle Cover
2	Cover, Griddle
3	Lifter, Griddle
4	Griddle
	Screw, 10-24 x 1/2
5	Terminal, Ground
6	Kit, Griddle (Complete)

TYPICAL

SURFACE UNIT PARTS

GRILLE PARTS



Illus. No.	DESCRIPTION
1	Surface Unit, Modular Complete
2	Pan, Surface Unit Modular
3	Receptacle, Porcelain
4	Clamp
5	Receptacle & Wire Assembly
6	Terminal, Male (4) Screw, 8-32 x 3/16 (4)
7	Insulator, Receptacle
8	Bracket, Ground Pushnut, 1/8 Screw, 6-32 x 5/16 (3)
10	Shield, Wire
11	Cooktop, Surface Unit (1) Screw, 8-32 x 3/8 (4) Screw, 6-32 x 5/16 (2)
12	Pan, Reflector
13	Unit, Surface
14	Handle, Cooktop
15	Medallion

Illus. No.	DESCRIPTION
16	Grill Kit, Complete
17	Pan, Grill
18	Rack Grill (2)
19	Unit, Dual
20	Receptacle,Male Pushnut, 1/4"
21	Frame, Basket
22	Handle, Basket (2) Screw, 10-24 x 1/2 (2)
23	Rocks, Lava (4 Lbs.)
24	Screen, Basket (2)

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