INSTALLER: LEAVE THESE INSTRUCTIONS WITH THE APPLIANCE

GAS INSTALLATION MANUAL

30″ And 36″ Built-in Cooktop

PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE

THE MANUAL IS INTENDED TO ASSIST IN THE INITIAL INSTALLATION AND ADJUSTMENTS OF THE RANGE.

SPECIAL WARNING

ONLY QUALIFIED PERSONNEL SHOULD INSTALL OR SERVICE THIS COOKTOP.

READ "SAFETY INSTRUCTIONS" IN USE & CARE BOOK BEFORE USING COOKTOP.

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE, MAINTENANCE OR USE OF COOKTOP CAN RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE.

IMPORTANT

Remove all packing material and literature from cooktop before connecting gas and electrical supply.

* **NOTE:** 30 inch dimension between cooking top and wall cabinet shown on illustration may be reduced to not less than 24 inches when the wall cabinets in a domestic home are protected with fireproof materials in accordance with American National Standards - National Fuel Gas Code or in mobile homes when they are protected with fireproof materials in accordance with the Federal Standard for Mobile Home Construction and Safety.

To eliminate the risk of burns or fire by reaching over heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5 inches beyond the bottom of the cabinets.

A WIRING DIAGRAM IS ENCLOSED IN THE ENVELOPE WITH THIS BOOKLET; ALSO THERE IS A DIAGRAM GLUED TO THE UNIT.

MODEL AND SERIAL NUMBER LOCATION

The serial plate for your cooktop is located on the extreme bottom of unit, visible from inside cabinet when installed. In addition to the model and serial number, it tells you the ratings of the burners and type of fuel and pressure for which the cooktop was adjusted when it left the factory.

CAUTION: SOME CABINETS AND BUILDING MATERIALS ARE NOT DESIGNED TO WITHSTAND THE HEAT PRODUCED BY THE NORMAL SAFE OPERATION OF A LISTED APPLIANCE. DISCOLORATION OR DAMAGE, SUCH AS DELAMINATION, MAY OCCUR.

YOUR COOKTOP MAY NOT BE EQUIPPED WITH SOME OF THE FEATURES REFERRED TO IN THIS MANUAL.

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INSTALLATION DRAWINGS

FOR SEALED BURNER MODELS

Clearances To Combustible Construction

These units can be installed in a cabinet made of wood or other combustible material.

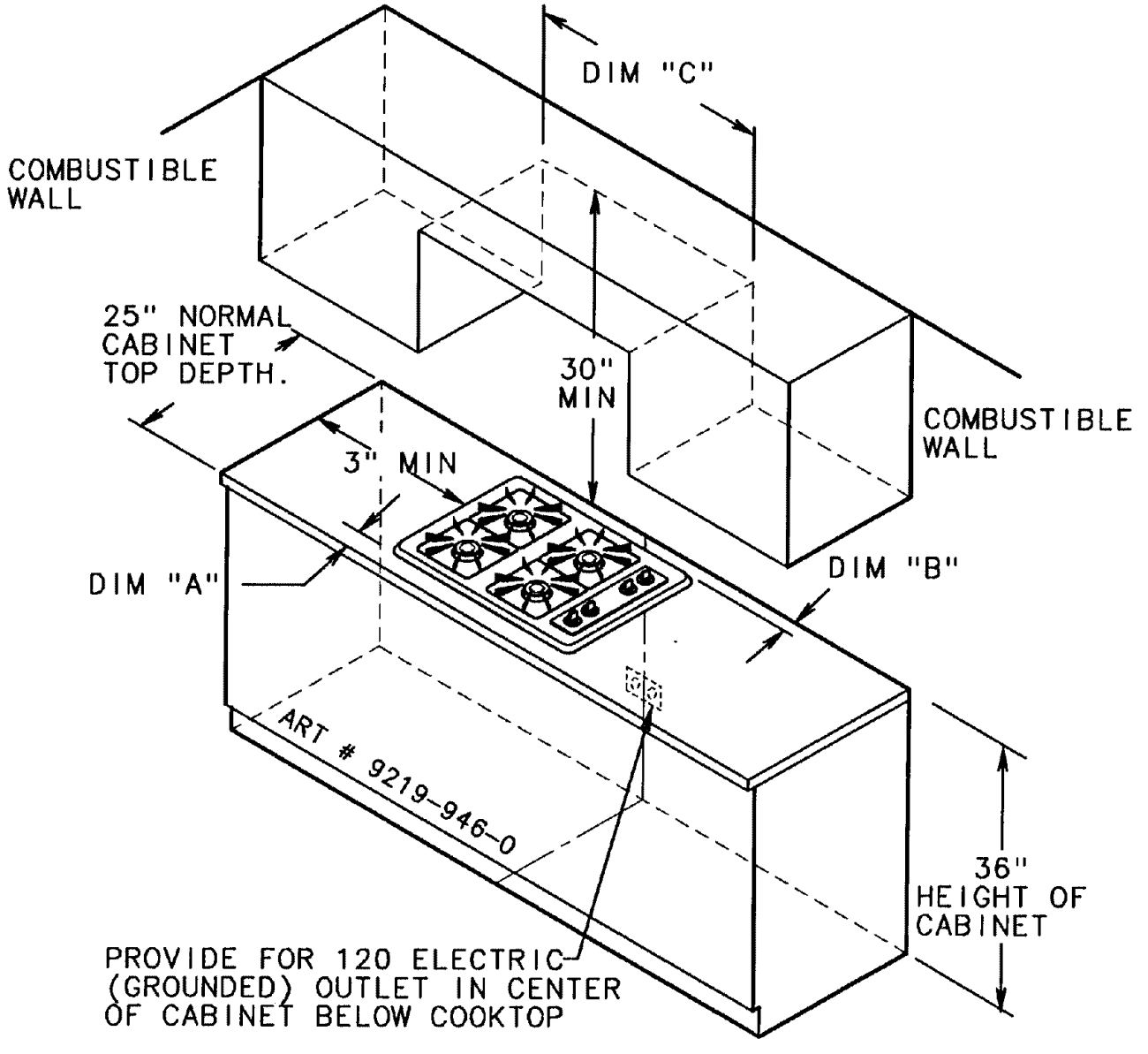
*30″ min. See NOTE on front page.

3 inches minimum to any combustible side wall.

Maximum depth of cabinets installed above cooktop to be 13 inches.

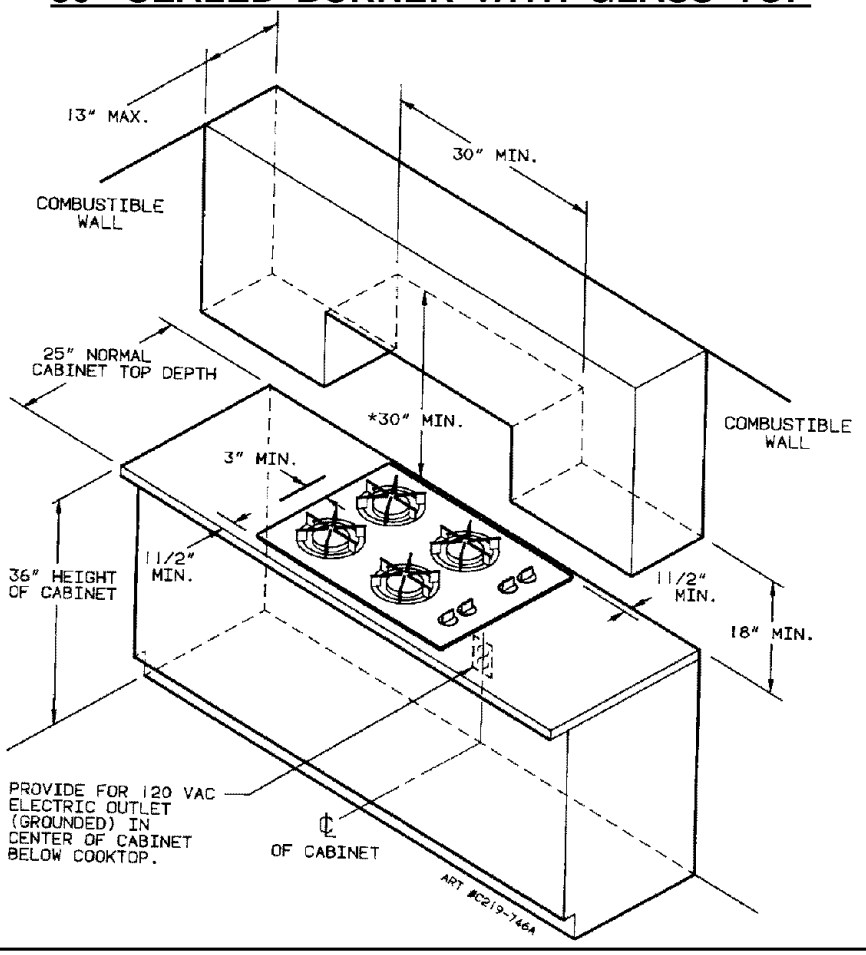
6 inches minimum spacing between individual top sections in a dual installation.

30″ AND 36″ SEALED BURNER WITH PORCELAIN TOP

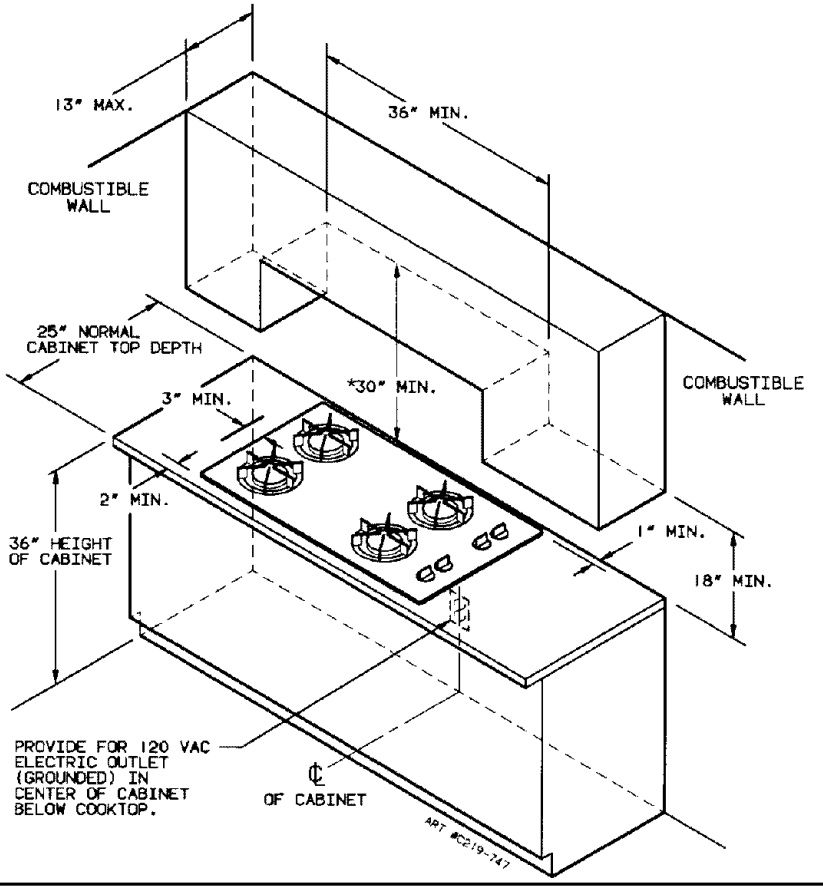


OVERALL WIDTH OF UNIT	A	B	C
30″	2″ MIN.	1″ MIN.	30″ MIN.
36″	1 1/2″ MIN.	1 1/2″ MIN.	36″ MIN.

30″ SEALED BURNER WITH GLASS TOP

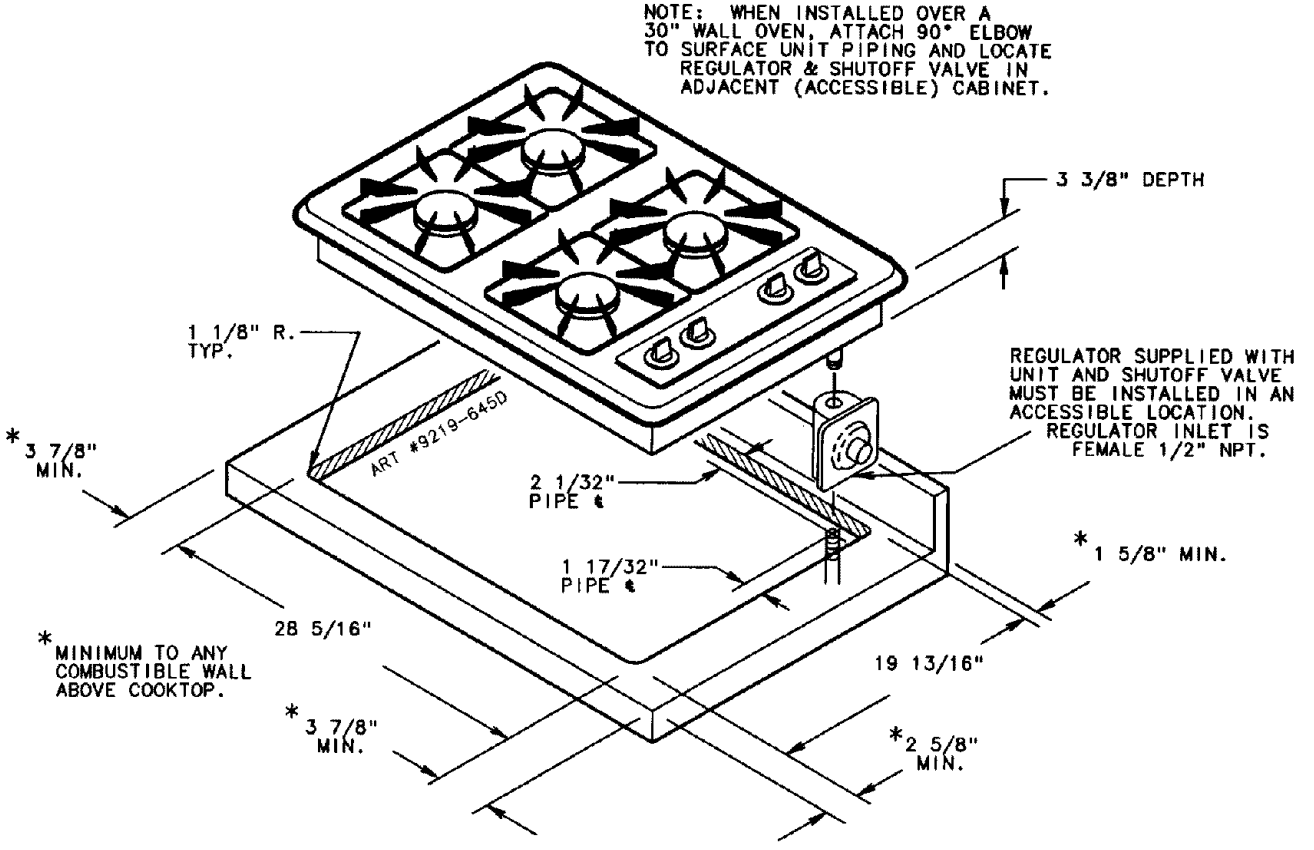


36″ SEALED BURNER WITH GLASS TOP

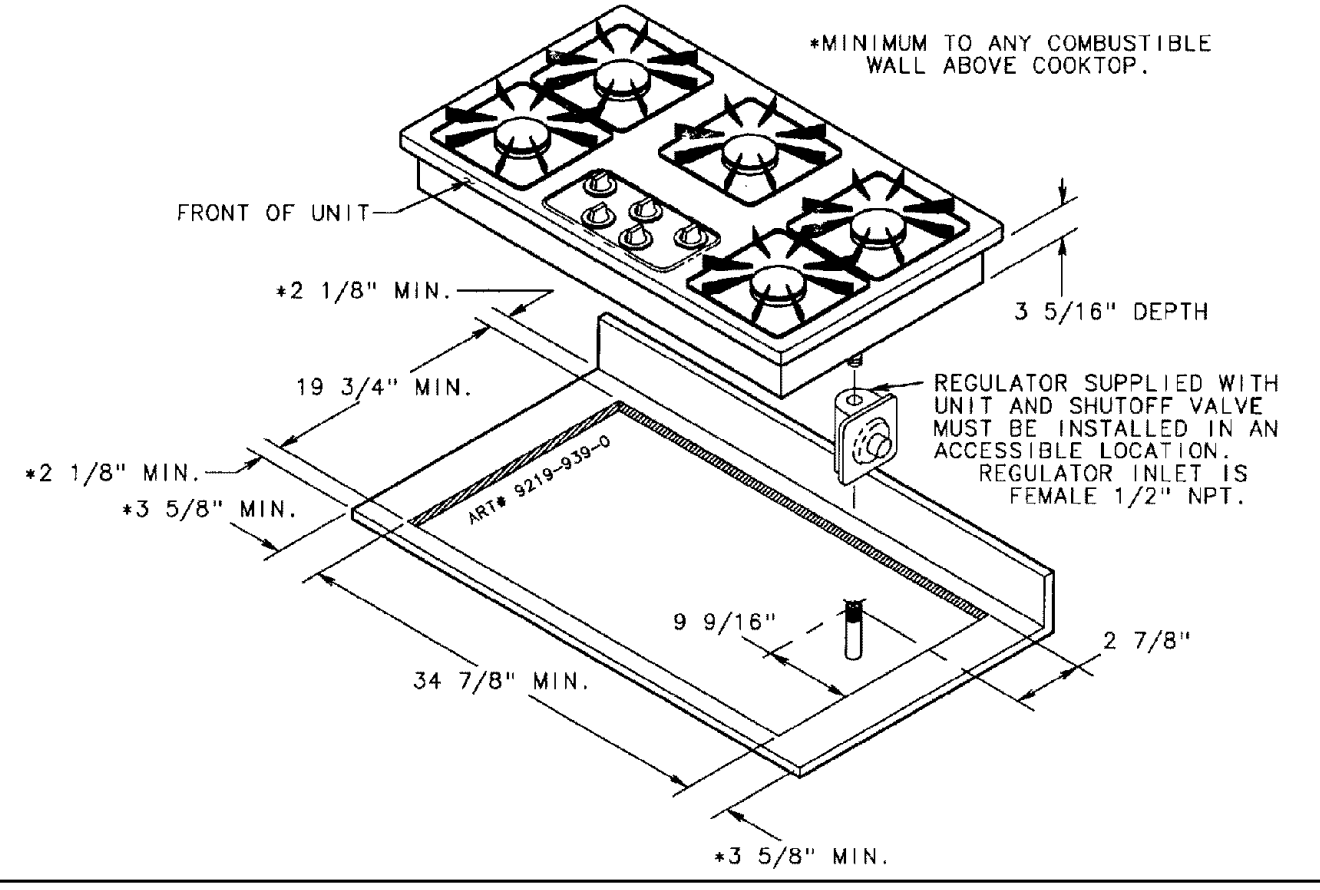


Cutout Dimensions

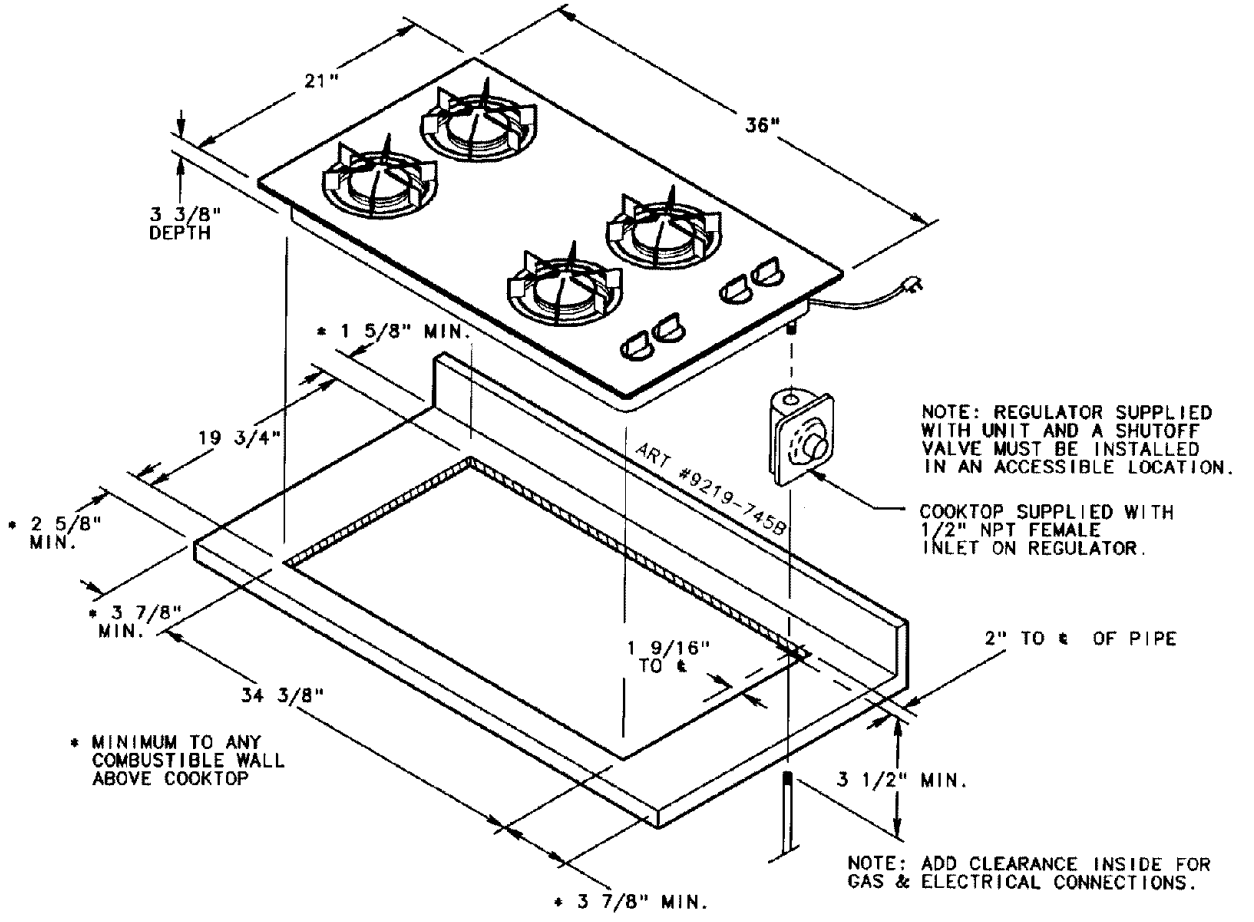
30″ SEALED BURNER WITH PORCELAIN TOP



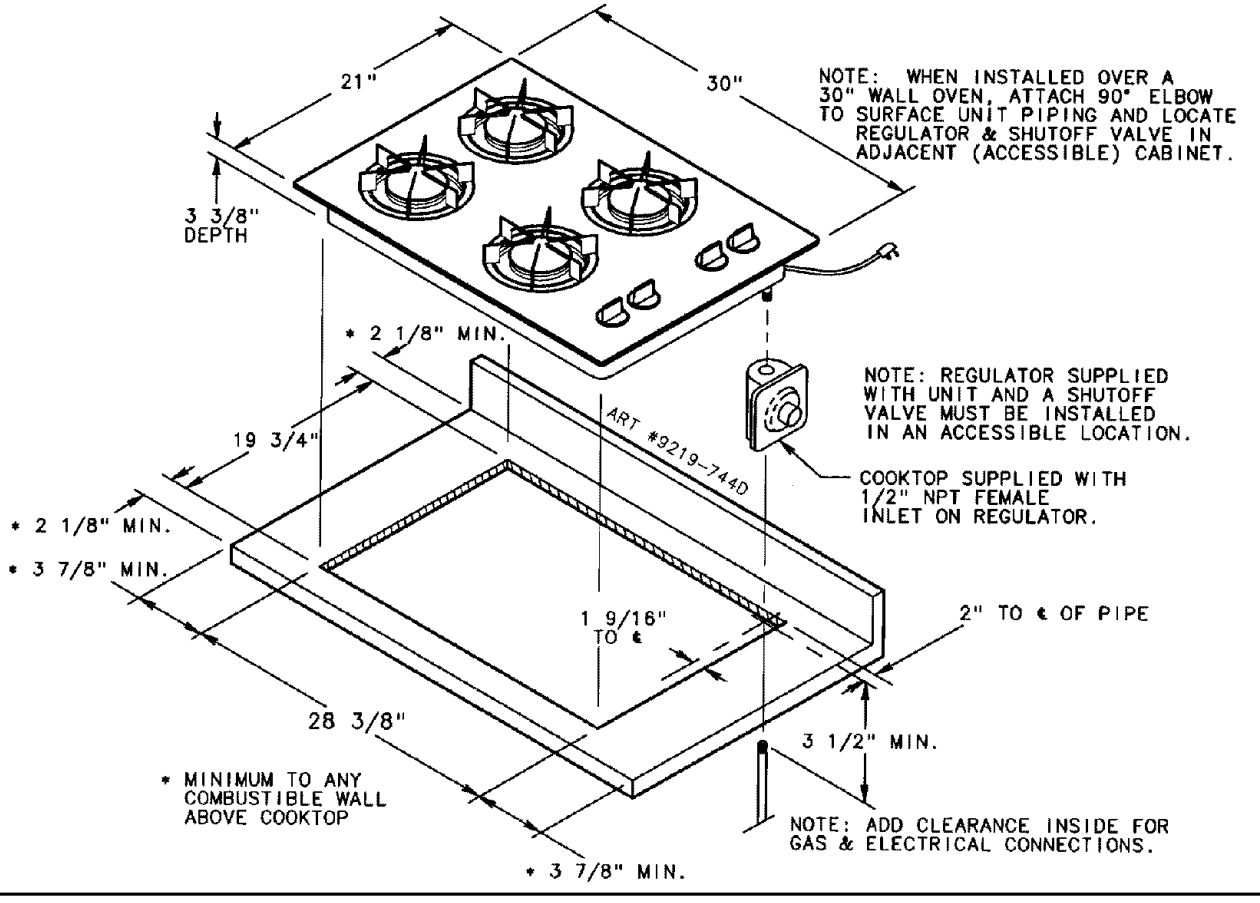
36″ SEALED BURNER WITH PORCELAIN TOP



36″ SEALED BURNER WITH GLASS TOP



30″ SEALED BURNER WITH GLASS TOP

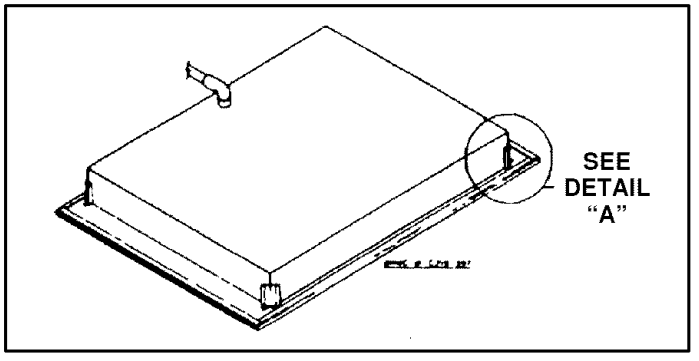


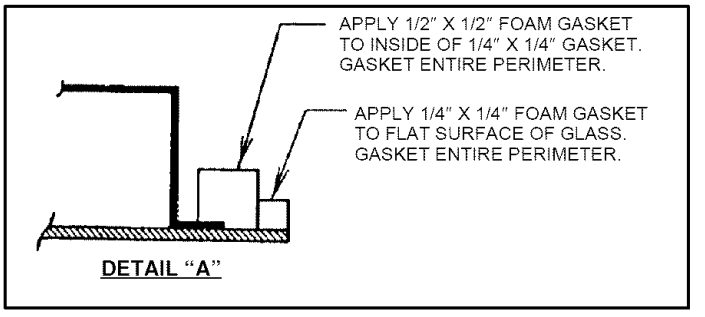
Securing Sealed Burner on Cooktop to Counter

1. Apply foam tape (foam tape is used on glass top models only):

   a. Remove the glass top unit from the carton and place it upside down over two soft pads making sure control knob does not interfere with any surface.

   b. Peel off the backing paper from the foam gaskets provided with the unit and stick the adhesive backed tapes to the bottom edge of unit (see Detail A).

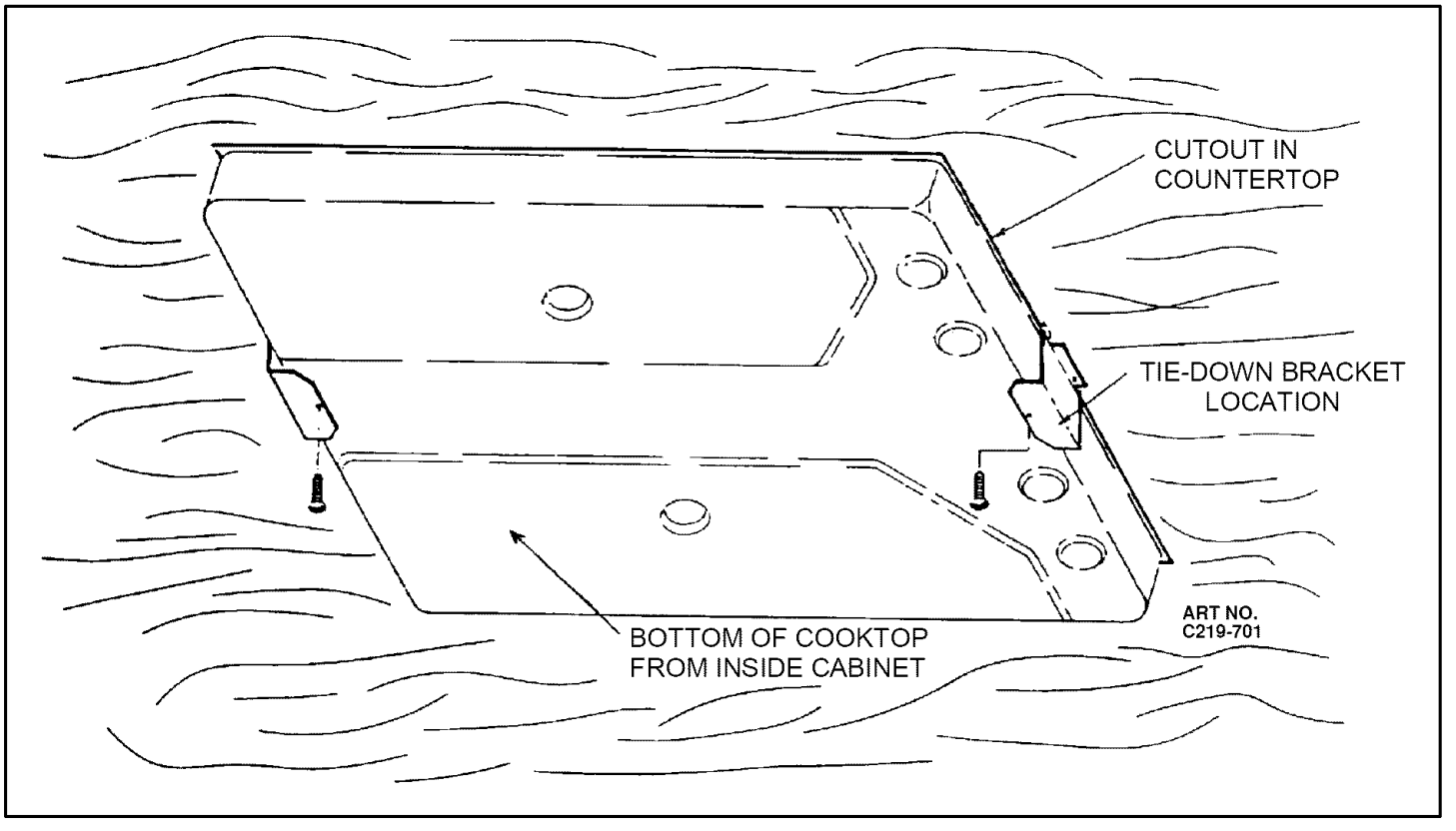




2. Position cooktop in cutout.
3. From inside cabinet, position tie-down bracket underneath cutout.
4. Attach with screws provided to small hole in bottom of burner box bottom.

   NOTE: Small hole may sometimes be partially covered with enamel.

   The mounting screws provided should be adequate for most countertop thickness. If unusually thick countertop is encountered a longer mounting screw can be used.



INSTALLATION DRAWINGS

FOR CONVENTIONAL BURNER MODELS

Clearances To Combustible Construction

These units can be installed in a cabinet made of wood or other combustible material.

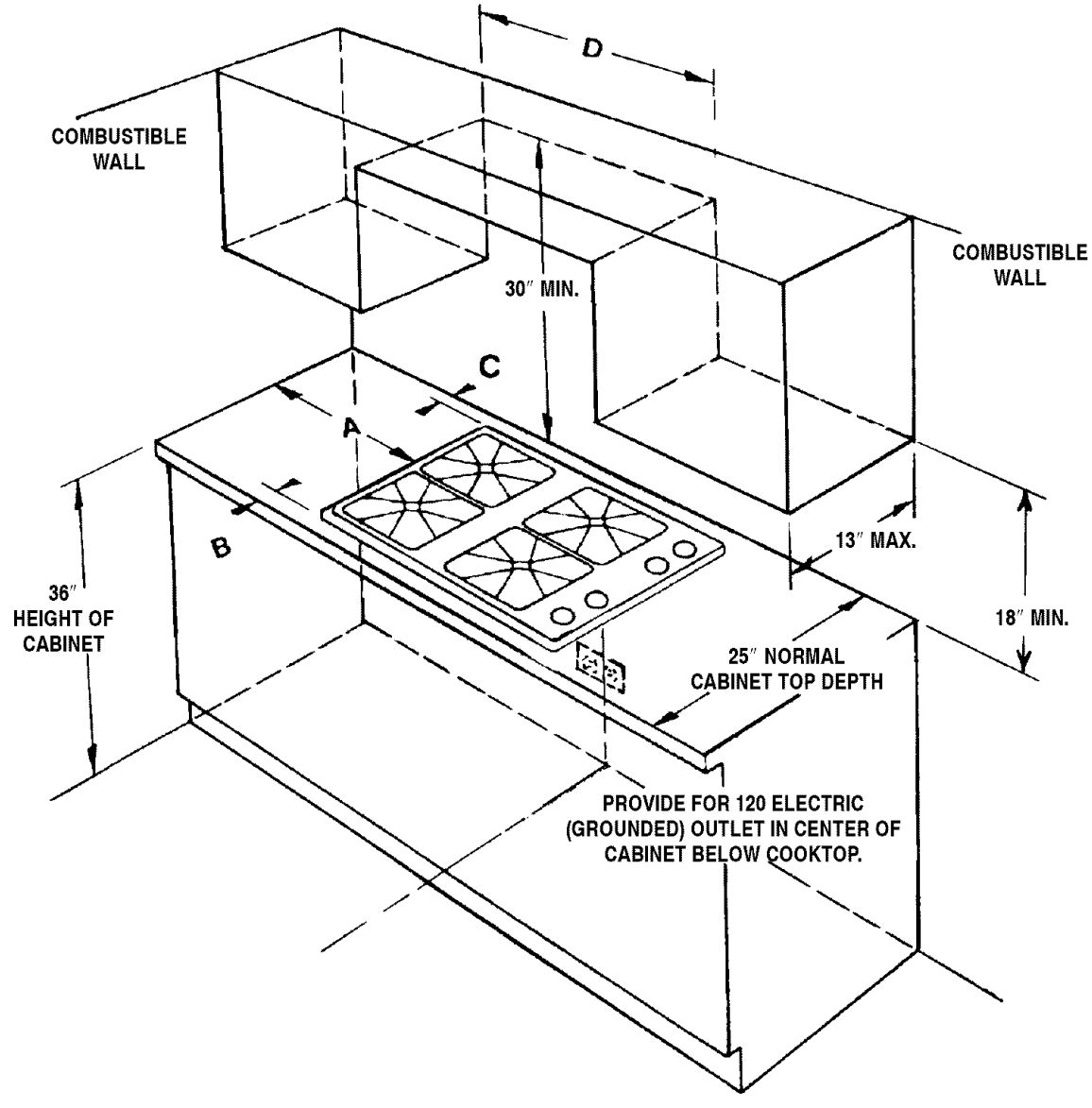
*30″ min. See NOTE on front page.

3 inches minimum to any combustible side wall.

Maximum depth of cabinets installed above cooktop to be 13 inches.

6 inches minimum spacing between individual top sections in a dual installation.

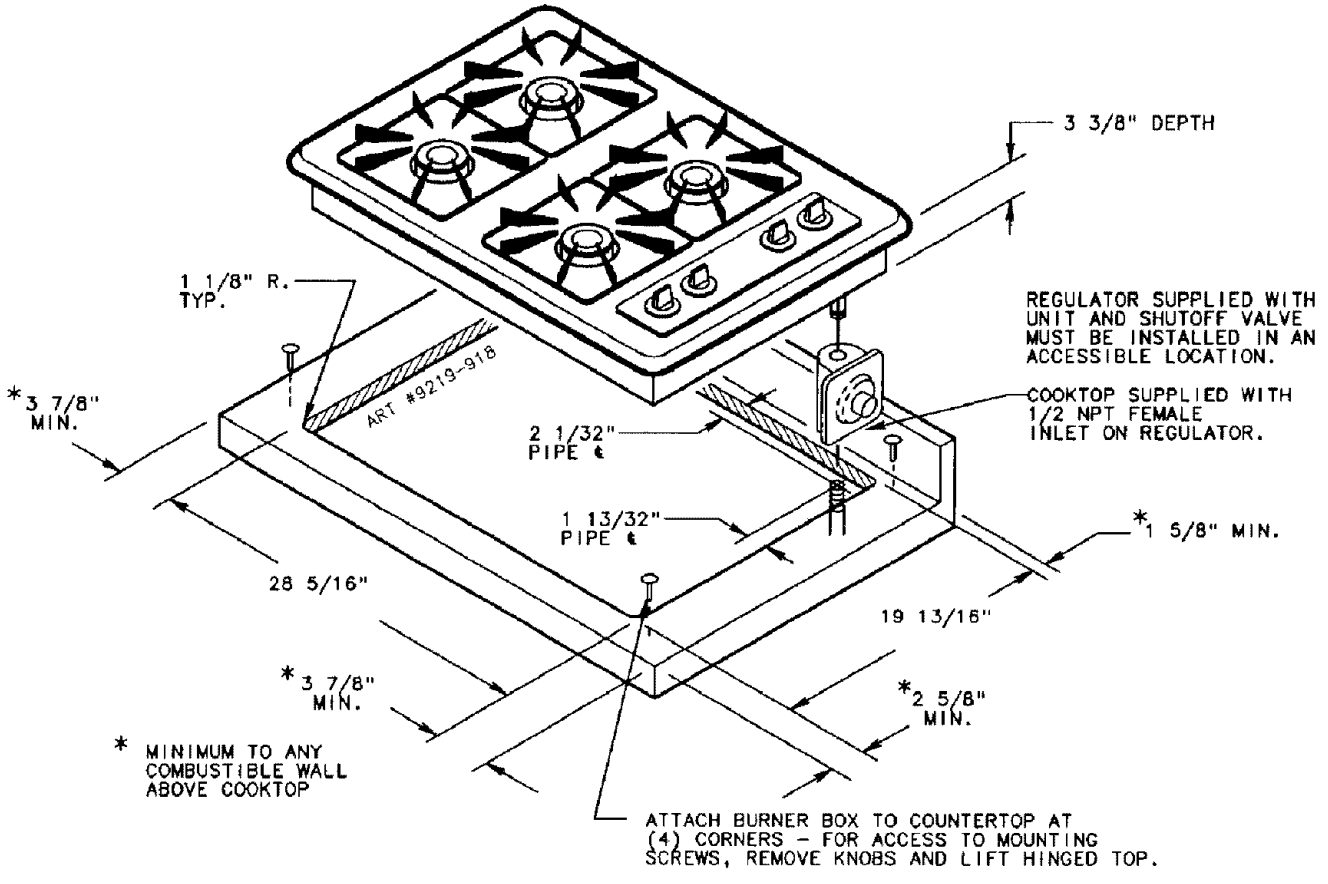
30″ CONVENTIONAL BURNER WITH PORCELAIN TOP



OVERALL WIDTH OF UNIT	A EITHER SIDE	B	C	D
30″	3″ MIN.	2″ MIN.	1″ MIN.	30″ MIN.

Cutout Dimensions

30″ CONVENTIONAL BURNER WITH PORCELAIN TOP



INSTALLATION

Mobile Homes

Check the cooktop model number plate to see if the cooktop is approved for installation in mobile homes and/or recreational vehicles. If approved the following items are applicable.

The installation of a cooktop designed for mobile home installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 [formerly the Federal Standard for Mobile Home Construction and Safety, Title 24 HUD (Part 280)] or, when such standard is not applicable, the Standard for Manufactured Home Installations, ANSI A225.1/NFPA 501A, or with local codes.

In Canada the cooktop must be installed in accordance with the current CSA Standard C22.1 - Canadian Electrical Code Part 1 and Section Z240.4.1 - Installation Requirements for Gas Burning Appliances in Mobile Homes (CSA Standard CAN/CSA - Z240MH).

Recreational Vehicles

The installation of a cooktop designed for recreational vehicles must conform with state or other codes or, in the absence of such codes, with the Standard for Recreational Vehicles, ANSI A119.2-latest edition.

In Canada the cooktop must be installed in accordance with CAN/CSA - Z240.6.2 - Electrical Requirements for R.V.'s (CSA Standard CAN/CSA - Z240 RV Series) and Section Z240.4.2 - Installation Requirements for Propane Appliances and Equipment in R.V.'s (CSA Standard CAN/CSA - Z240 RV Series).

Clearance Dimensions

For complete information in regard to the installation and clearances to combustible wall above the cooking top see the installation drawings. For **SAFETY CONSIDERATIONS** do not install a top section in any combustible cabinetry which is not in accord with the installation drawings.

Locating The Unit

It is best not to locate a cooktop near a window or in an area subject to strong drafts. If you must locate it near a window, choose an appropriate window treatment, one that cannot blow over the unit and create a fire.

See installation drawings and special instructions for glass top units.

For **SAFETY CONSIDERATIONS** make sure the cooktop is secured to counter with tie down brackets and/or screws provided and that the counter is level.

Connecting The Unit

ELECTRIC SUPPLY

The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70.

In Canada the cooktop must be installed in accordance with the current CSA Standard C22.1 - Canadian Electrical Code Part 1.

ELECTRICAL SUPPLY CONNECTION:

The unit requires 120 volts, 60 cycle alternating current from an outlet capable of supplying 15 amperes.

WARNING

Electrical Grounding Instructions

This appliance is equipped with a (three-prong) grounding plug for your protection against shock hazard and should be plugged directly into a properly grounded receptacle. Do not cut or remove the grounding prong from this plug.

WARNING

DISCONNECT ELECTRICAL SUPPLY BEFORE SERVICING THE APPLIANCE.

GAS SUPPLY

Installation of this cooktop must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1-latest edition.

In Canada the cooktop must be installed in accordance with the current CGA Standard CAN/CGA-B149 - Installation Codes for Gas Burning Appliances and Equipment and/or local codes.

GAS SUPPLY CONNECTION:

A TRAINED SERVICEMAN OR GAS APPLIANCE INSTALLER MUST MAKE THE GAS SUPPLY CONNECTION. Leak testing of the appliance shall be conducted by the installer according to the instructions given below in section h.

NATURAL GAS SUPPLY LINE MUST HAVE A NATURAL GAS SERVICE REGULATOR. INLET PRESSURE TO THIS APPLIANCE SHOULD BE REDUCED TO A MAXIMUM OF 14 INCHES WATER COLUMN (0.5 POUNDS PER SQUARE INCH (P.S.I.) LIQUEFIED PETROLEUM (L.P.)/PROPANE GAS SUPPLY LINE MUST HAVE A L.P. GAS PRESSURE REGULATOR. INLET PRESSURE TO THIS APPLIANCE SHOULD BE REDUCED TO A MAXIMUM OF 14 INCHES WATER COLUMN (0.5 P.S.I.). INLET PRESSURES IN EXCESS OF 0.5 P.S.I. CAN DAMAGE THE APPLIANCE PRESSURE REGULATOR AND OTHER GAS COMPONENTS IN THIS APPLIANCE AND CAN RESULT IN A GAS LEAK.

a. **A GAS CUTOFF VALVE SHOULD BE PUT IN AN ACCESSIBLE LOCATION IN THE SUPPLY LINE AHEAD OF THE UNIT, FOR TURNING ON AND TURNING OFF GAS SUPPLY**. If the unit is to be connected to house piping with flexible or semi-rigid metal connectors for gas appliances, CONNECTOR NUTS MUST NOT BE CONNECTED DIRECTLY TO PIPE THREADS. THE CONNECTOR MUST BE INSTALLED WITH ADAPTORS PROVIDED WITH THE CONNECTOR.

b. The house piping and/or range connector used to connect the range to the main gas supply must be **clean**, free of metal shavings, rust, dirt and liquids (oil or water). Dirt, etc. in the supply lines can work its way into the range manifold and in turn cause failure of the gas valves or controls and clog burners and/or pilot orifices.

c. Turn off all pilots and main gas valve of other gas appliances.

d. Turn off main gas valve at meter.

e. Before connecting the unit, apply pipe thread compound approved for LPG to all threads.

f. Connect unit to gas supply. Use a backup wrench when twisting on end of manifold.

CAUTION: MAKE SURE THE CONNECTION DOES NOT SHIFT THE MANIFOLD PIPE OUT OF POSITION. THIS COULD CAUSE THE VALVE HANDLES AND KNOBS TO BIND.

g. Turn on main gas valve at meter, and relight pilots at other gas appliances.

h. Apply a non-corrosive leak detection fluid to all joints and fittings in the gas connection between the supply line shut-off valve and the range. Include gas fittings and joints in the range if connections were disturbed during installation. Check for leaks! Bubbles appearing around fittings and connections will indicate a leak. If a leak appears, turn off supply line gas shut-off valve, tighten connections, turn on the supply line gas shut off valve, and retest for leaks.

NOTE: USE OF A MANOMETER TO CHECK FOR GAS LEAKAGE IS ACCEPTABLE.

CAUTION: NEVER CHECK FOR LEAKS WITH A FLAME.

WHEN LEAK CHECK IS COMPLETE, WIPE OFF ALL RESIDUE.

i. Remove shipping wire or screw from ALL top burners. (Conventional top burner models only). This is to hold the burners in place on the burner bracket for shipping purposes only. (See figure 1).

j. Adjust burner air shutter to the widest opening that will not cause the flame to lift or blow off the burner when cold.

NOTE: Correctly adjusted sealed burners, can have flames that will lift or blow off without a pot over the burner. These should be adjusted with a pot in place.

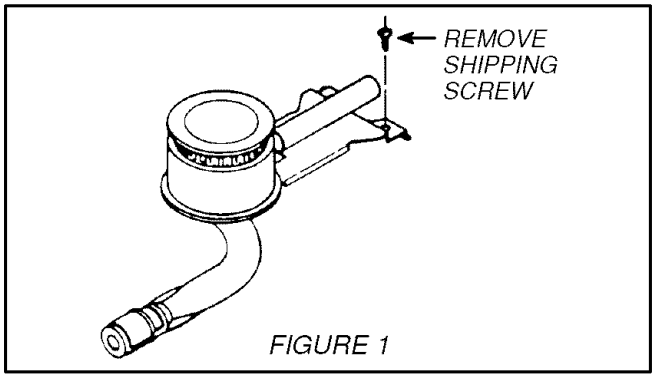


FIGURE 1

Regulator

All cooktops are equipped with a gas appliance pressure regulator for controlling and maintaining a uniform gas pressure in the gas manifold of the unit. The burner orifices, etc., are sized for gas pressure delivered by the APPLIANCE PRESSURE REGULATOR SUPPLIED. **IT MUST NOT BE REMOVED.**

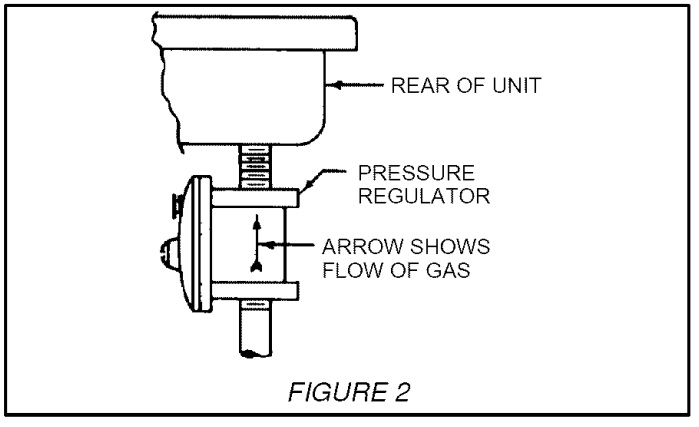


FIGURE 2

The gas appliance pressure regulator for the top section (see figure 2) is located in the pack out box for shipment. The burner orifices, etc., are sized for the gas pressure delivered by the regulator supplied - IT MUST BE INSTALLED before operating the top section. For convenience of service, it should be installed as shown in figure 2. The regulator must be accessible for adjustment after installation.

Checking Pressure Of House Piping System

1. The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 lbs./sq. in. (13.8 in. W.C.).
2. The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 lb./sq. in. (13.8 in. W.C.).

Removing Sealed Burner For Adjustment Or Service

Mark ignitor location relative to main top with pencil. This mark on the main top is used as a reference point when replacing the burner assembly to insure that the burner is tightened to its original position.

Rotate burner assembly approximately one-eighth turn counter-clockwise and lift from main top (figure 3).

TO REASSEMBLE: Replace burner assembly in main top and rotate approximately one-eighth turn clockwise until burner locks into position with ignitor aligned with reference mark on main top.

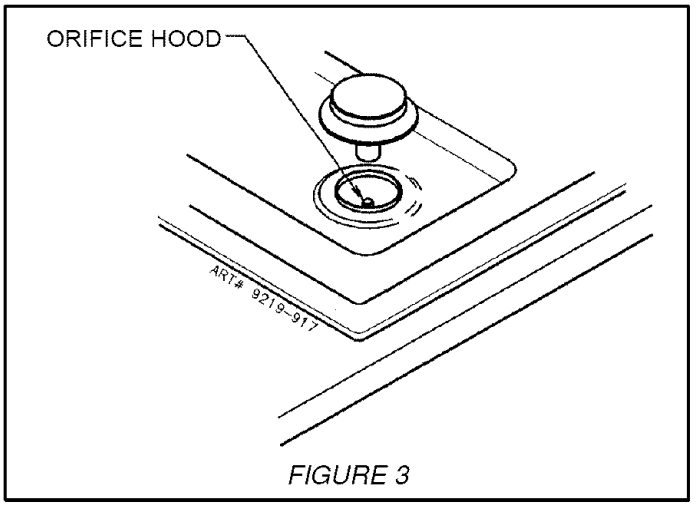


FIGURE 3

UNIT ADJUSTMENTS

Top Section Gas Top Pilot Adjustment

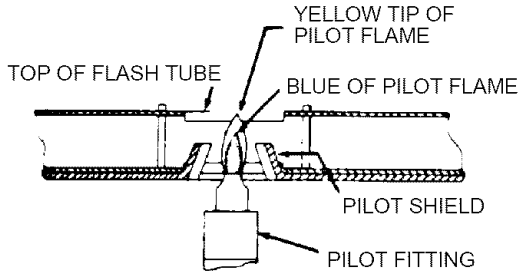


FIGURE 4

Purge all air from supply system by turning on one top burner valve. Then turn off valve and adjust top pilot flame using pilot adjusting screw (figure 5) so that flame is even with top of flash tube. See figure 4. To light the burner, push and turn top burner knob to the lite position.

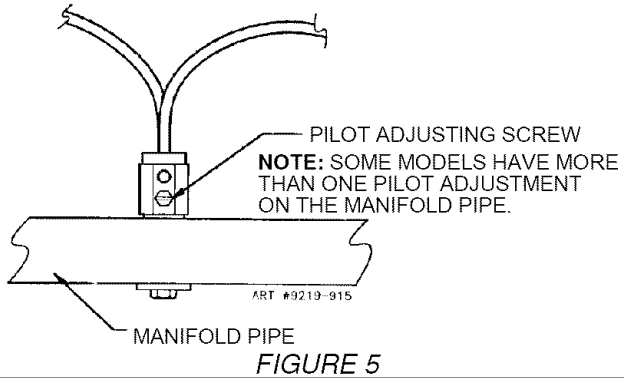


FIGURE 5

Top Section Electric Ignition

To operate, push and turn top burner knob to the LITE/START position. The top burner will light. To turn OFF spark after the top burner has ignited turn knob to HI setting. For ranges with hi-med-warm valves, turn knob, either direction to HI setting.

Top Burner Adjustment

HI-LOW VALVES:

The approximate height of the flame at the high or full-on position is a distinct inner blue cone of at least 3/4 inch (see figure 7). Turn valve handle counterclockwise 90° to the full ON, position and adjust air shutter (figure 8).

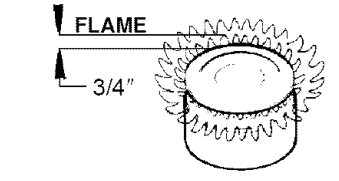
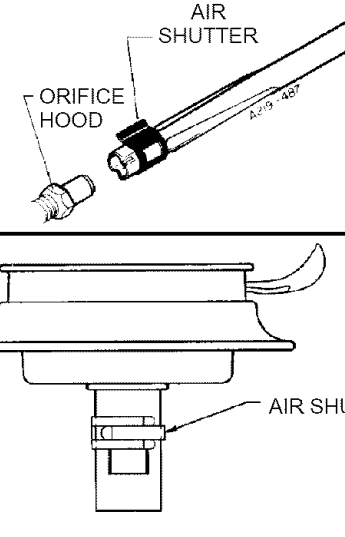


FIGURE 7

Top burner adjustment can be checked as follows:

1. Yellow flame on burner - open burner air shutter to the widest opening that will not cause the flame to lift or blow off the burner when cold. (See figure 8).
2. Distinct blue flame but lifting - close burner air shutter to the point where it will not cause the flame to lift or blow off the burner when cold. (See figure 8).

   NOTE: Correctly adjusted sealed burners, can have flames that will lift or blow off without a pot over the burner. These should be adjusted with a pot in place.



SEALED BURNERS

FIGURE 8

Top Burner Adjustment

HI-MED-WARM VALVE:

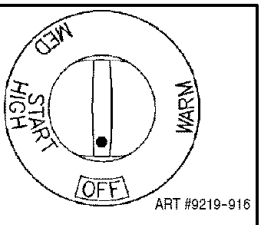


FIGURE 9
HI-MED-WARM KNOB

The burner flame at the WARM position should extend to the outer edge of the lip of the burner cap. The WARM setting should be such that a stable flame is maintained on the burner when turning the knob from HIGH to WARM. If it should be necessary to increase or decrease the flame at the WARM setting, operate burner at HIGH position for approximately five minutes. Turn knob to WARM (see figure 9). Remove valve handle and with a small screwdriver make the desired adjustment by turning adjustment screw located in center of valve stem. Check each top burner at the WARM position for flame size.

MED (MEDIUM) is an intermediate setting and there is no adjustment to be made.

Gas Conversion

GENERAL

All cooktops are equipped with double coaxial (universal) orifices and with a convertible appliance pressure regulator. The unit model number plate states which gas it was adjusted for at the factory. To convert the unit to either Natural gas or LP gas will require adjustment of the surface burner orifice hoods, adjustment of the air shutters and replacement and/or adjustment of the pressure regulator converter cap.

Inlet pressure to the regulator should be as follows for both operation and checking of regulator setting:

INLET PRESSURE	NAT. GAS	LP GAS
Minimum	5 inches	11 inches w.c.
Maximum	14 inches	14 inches w.c.

Appliance Pressure Regulator Conversion

The appliance pressure regulator must be set to match the type gas supply used. If converting from natural gas to LP gas, the appliance pressure regulator must be converted to regulate LP gas. If converting from LP gas to natural gas, the appliance pressure regulator must be converted to regulate natural gas.

TO CONVERT THE APPLIANCE PRESSURE REGULATOR FROM ONE GAS TO ANOTHER, DO EITHER (1), (2) OR (3) BELOW: YOUR UNIT WILL BE EQUIPPED WITH ONE OF THE THREE APPLIANCE PRESSURE REGULATOR TYPES SHOWN BELOW.

1. Remove the cap, push down and turn counter-clockwise. Turn the cap over and reinstall (figure 10).

   NOTE: THE GAS TYPE YOU ARE CONVERTING TO MUST BE VISIBLE ON THE TOP OF THE INSTALLED APPLIANCE PRESSURE REGULATOR CAP.

2. Remove plastic dust cover from cap nut on top of appliance pressure regulator. Remove cap nut from appliance pressure regulator (plastic dust cover comes off with nut). "IMPORTANT" remove plastic dust cover from cap nut and reinstall on opposite side of cap nut.

   Reinstall cap nut to appliance pressure regulator and replace dust cover. "CAUTION" be sure marking for the type of gas to which appliance pressure regulator has just been converted is visible in top of cap nut before replacing plastic dust cover. See figure 11.

3. Remove cap and forcibly snap out plastic plunger from bottom of cap. Turn plunger over and forcibly snap back in original location (figure 12).

   NOTE: PLUNGER **MUST** SNAP INTO POSITION; THE GAS TYPE YOU ARE CONVERTING TO MUST BE VISIBLE ON LOWER SIDE OF PLUNGER.

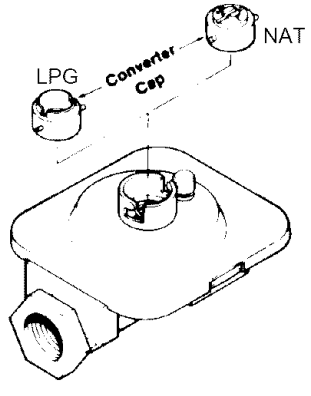


FIGURE 10

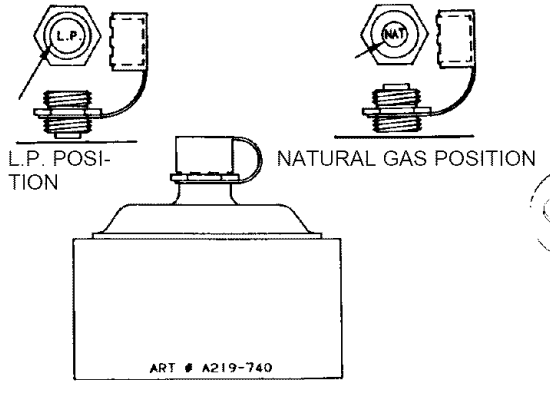


FIGURE 11

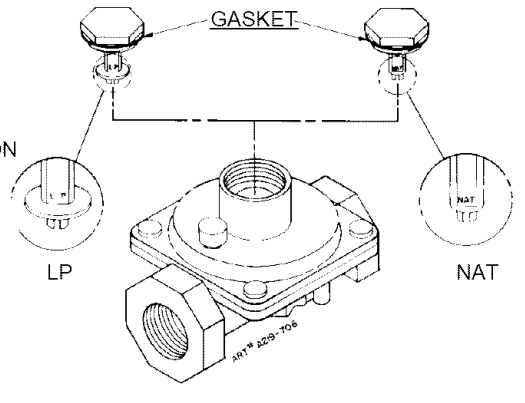


FIGURE 12

ORIFICE CONVERSION

1. FROM NATURAL GAS TO LP/PROPANE GAS:

a. Change the appliance pressure regulator from natural to LP setting. (See figure 10, 11 or 12).

b. Screw the burner orifice hoods down tight against the pins. (See figure 13B). Use care to not over tighten. Over tightening can damage the coaxial pin inside the orifice hood.

c. Models with standing pilots: Adjust burner pilots. (See figure 5). Turn the selector switch on the face of the thermostat to the LP position.

d. Adjust burner air shutter to the widest opening that will not cause the flame to lift or blow off the burner when cold.

NOTE: Correctly adjusted sealed burners, can have flames that will lift or blow without a pot over the burner. These should be adjusted with a pot in place.

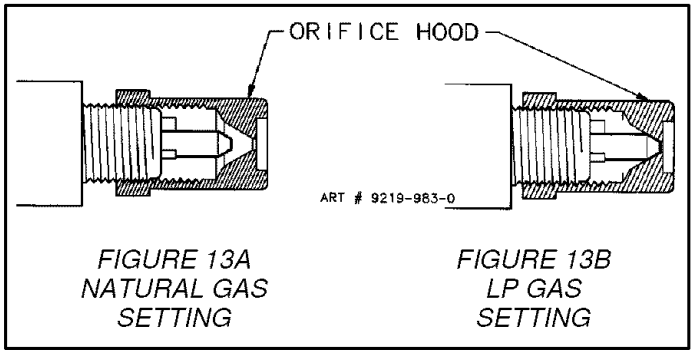


FIGURE 13A
NATURAL GAS
SETTING

FIGURE 13B
LP GAS
SETTING

2. FROM LP/PROPANE GAS TO NATURAL GAS:

a. Change the appliance pressure regulator from LP to natural setting. (See figure 10, 11 or 12).

b. Screw the burner orifice hoods away from the pins. (See figure 13A). Approximately 1 1/2 to 2 turns.

c. Models with standing pilots: Adjust top burner pilots. (See figure 5). Turn the selector switch on the face of the thermostat to the Nat. position.

d. Adjust burner air shutter to the widest opening that will not cause the flame to lift or blow off the burner when cold.

NOTE: Correctly adjusted sealed burners, the flame will lift or blow without a pot over the burner. These should be adjusted with a pot in place.

SERVICE - PARTS INFORMATION

WHEN YOUR RANGE REQUIRES SERVICE OR REPLACEMENT PARTS, CONTACT YOUR DEALER OR AUTHORIZED SERVICE AGENCY. PLEASE GIVE THE COMPLETE MODEL AND SERIAL NUMBERS OF THE RANGE WHICH IS LOCATED ON THE RANGE MODEL NUMBER PLATE.

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