



Date: December 20, 1999  
Subject: Gas Water Heater Conversion Policy  
To: All Accounts

No. 137 Rev. 2

\* This supersedes all previous letters and field bulletins concerning residential and commercial water heater conversion.

## **GAS WATER HEATER CONVERSION POLICY**

All A.O. Smith Water Products Company's residential and commercial gas water heaters are designed certified by CSA or UL, under ANSI Standards for operation on one type of gas only, as indicated on the water heater's model number and rating plate.

A.O. Smith realizes that there may be certain situations where a field conversion may be necessary and in order to facilitate such a conversion, A. O. Smith complies with CSA or UL regulations ensuring that a field conversion be appropriately and safely completed.

An improper field conversion from one type of gas to another could cause potentially dangerous conditions that may cause an explosion or fire resulting in property damage, bodily injury or both.

**A.O. SMITH WILL ONLY ALLOW THE CONVERSION OF GAS WATER HEATERS FROM LP GAS (PROPANE) TO NATURAL GAS. THE CONVERSION OF A GAS WATER HEATER FROM NATURAL GAS TO LP GAS (PROPANE) IS NOT ALLOWED UNDER ANY CIRCUMSTANCES.**

A.O. Smith will provide kits as demand warrants through our Parts Department, phone no. 1-800-433-2545. Prices, dimensions and specifications are subject to change without notice.

Each conversion kit is to be installed by an A.O. Smith service agent or a gas utility serviceman in accordance with A.O. Smith's written instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury or property damage. The utility performing this work assumes responsibility for this conversion.

### **Changing the Input on Gas Water Heaters**

The only changes to the input of a gas water heater allowed are:

- Adjustments to match that shown on the rating plate of the heater. The installation instructions supplied with the heater indicate if adjustments to input are a required procedure.
- Changes made as required to adjust the heater for proper operation at high altitude as determined by a qualified service technician. Service manuals include the proper procedure for adjusting heaters at high altitudes.

### **Conversion of Gas Water Heaters**

The conversion of LP gas (Propane) to Natural gas is ONLY allowed providing:

- The conversion is done as part of a gas utility's program where propane appliances were installed anticipating the completion of natural gas service to the area. The conversion must be done under the direct supervision of the utility and by their service representatives.

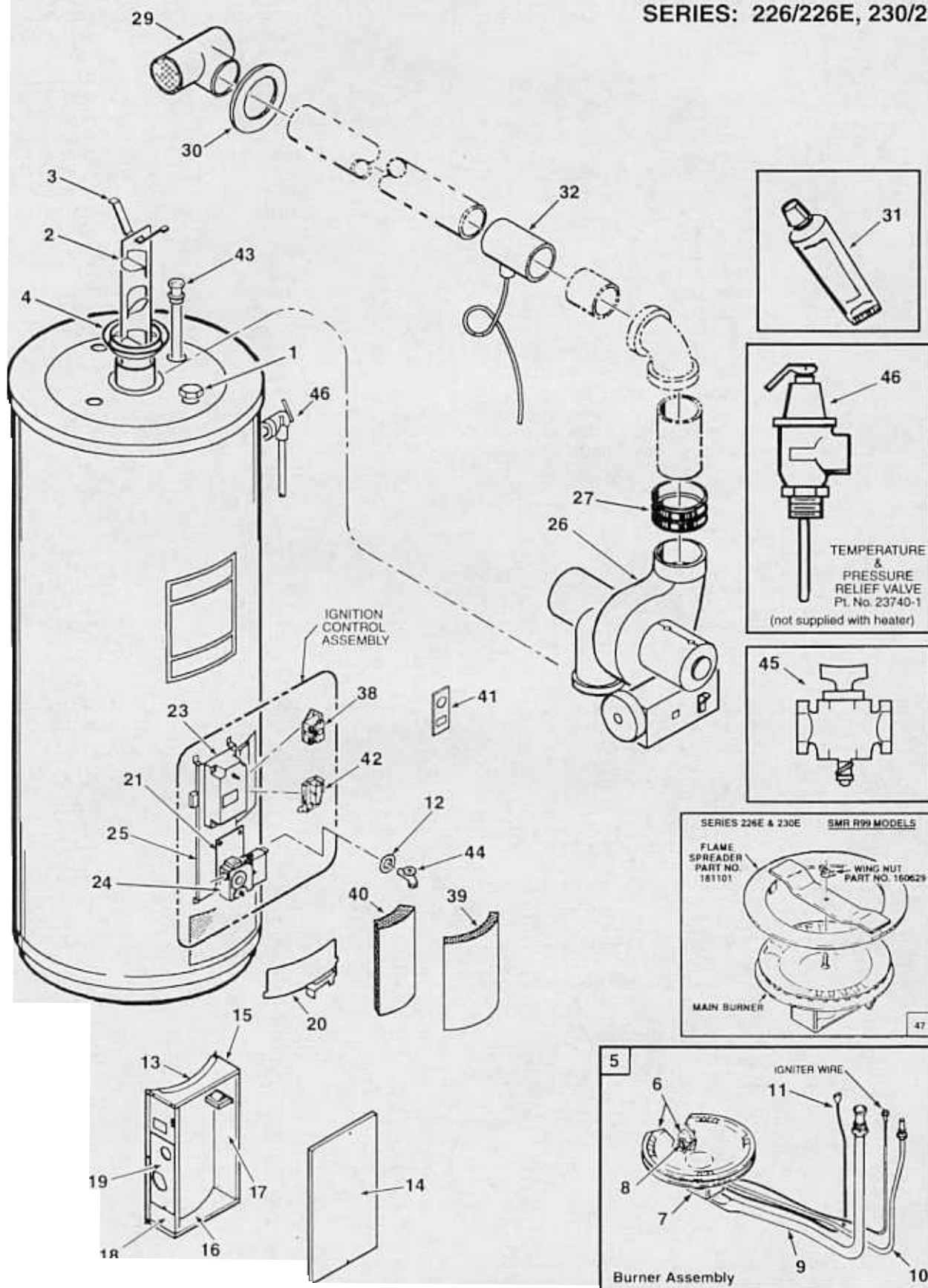
Claims of damage or injury arising from the unauthorized conversion of any A.O. Smith water heater not design certified for conversion will be the complete and total responsibility of the person or entity making the conversion.

If you have any questions regarding the above policy, please contact the A.O. Smith Parts Department at 1-800-433-2545 or our Technical Information Center at 1-800-527-1953.

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**A.O. SMITH WATER PRODUCTS CO., INC.**  
5621 W. 115TH STREET • ALSIP, ILLINOIS 60803  
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*RESIDENTIAL WATER HEATER PARTS LIST*  
**MODELS FPSE-40 & FPSE-50**  
**SERIES: 226/226E, 230/230E**



Item	Description	FPSE-40	FPSE-50
		226/226E/230/230E	226/226E/230/230E
1	Anode .....	43817-29	43817-29
	<b>BAFFLE</b>		
2	Baffle, Flue .....	181382	181382
3	Hanger, Baffle .....	181360	181360
4	Restrictor, Baffle .....	34894	34894
5	<b>BURNER ASSEMBLY, MAIN (226/230) .....</b>	<b>181732-20</b>	<b>181732-21</b>
6	Burner w/Pilot, Main .....	181726	181726
7	Orifice, Main .....	181508-31	181508-31
8	Pilot/Ignitor Assembly .....	<u>181734</u>	<u>181734</u>
9	Tube, Main Burner .....	181482-13	181482-14
10	Tube, Pilot .....	23330	23330
11	Wire, Ground .....	181736-2	181736-2
12	Collar, Pipe .....	20172-6	20172-6
	<b>DOOR, OUTER</b>		
13	Grommet .....	181764	181764
14	Panel, Cover .....	181943	181943
15	Panel, Top .....	181942	181942
16	Panel, Bottom .....	181941	181941
17	Panel, Right .....	181940-2	181940-2
18	Panel, Left .....	181939-1	181939-1
19	Plate, Cover .....	181938	181938
20	Door, Inner .....	180596	180596
	<b>IGNITION CONTROL ASSEMBLY</b>		
21	Bracket, Gas Valve - Natural .....	181898	181898
22	* Harness, Wiring (226 Series) .....	181952	181952
	Harness, Wiring (230 Series) .....	182640	182640
23	Module, Ignition (226 Series) .....	<u>181723</u>	<u>181723</u>
	Module, Ignition (230 Series) .....	<u>182352</u>	<u>182352</u>
24	Valve, Gas .....	181950	181950
25	Plate, Mounting .....	182261	182261
	<b>INSTALLATION KIT</b>		
26	Blower Assembly .....	181616	181616
27	Coupling & Clamps .....	182269	182269
28	*Wiring, Harness & Clips .....	181728	181728
29	Tee, Vent .....	181617	181617
30	Plate, Wall .....	181557	181557
31	Sealant, Tube High Temperature Silicone .....	181564	181564
32	Tee Assembly, Condensate .....	181861	181861
	<b>LABEL</b>		
33	*Flammable Warning .....	181139-1	181139-1
34	*Lighting & Operating .....	180310	180310
35	*Scald Warning .....	181138	181138
36	*Manual, Instruction .....	182574	182574
37	*Insert Sheet (226 Series) .....	182076	182076
	Insert Sheet (230 Series) .....	182641	182641
38	E.C.O. ....	<u>181706</u>	<u>181706</u>
39	Insulation Barrier .....	181759	181759
40	Insulation, Thermostat Opening .....	43307-5	43307-5
41	Personnel Protector .....	181758	181758
42	Thermostat .....	<u>181705</u>	<u>181705</u>
43	Tube, Inlet .....	21067-35	21067-35
44	Valve, Drain .....	42037-3	42037-3
45	Valve, Main Gas Shutoff .....	181737	181737
46	Valve, T & P .....	23740-1	23740-1
	<b>SMR S44 (230/231 Series Only)</b>		
1	Anode .....	29109-29	29109-35
43	Tube, Inlet .....	160501-35	160501-34
	<b>SMR R99 (226E/230E)</b>		
1	Anode .....	181125-42	181125-42
5	<b>BURNER ASSEMBLY, MAIN (226E/230E) .....</b>	<b>181732-16</b>	<b>181732-17</b>
6	Burner Assembly, Pilot .....	181726-2	181726-2
7	Orifice, Main .....	181508-123	181508-123
47	Nox Spreader Assembly .....	181101	181101
36	Manual, Earthquake .....	181809	181809
	<b>SMR S06</b>		
36	Manual, Earthquake .....	181809	181809
37	Insert Sheet .....	182552	182552
	<b>SMR S19</b>		
	Anode .....	43816-29	43816-29

NOTE: Underlined parts are recommended stock items for emergency replacement.

Consider gas used in your area only.

\* Not illustrated.