



**COMBO 30™, COMBO 40™, GOLD PLUS 30,
PLUS 20 THROUGH 120™
Indirect-Fired Water Heater
Thermostat Replacement Instructions**

These terms are used in these instructions to bring attention to the presence of hazards of various risk levels or to important information concerning life of the product.

WARNING

Indicates presence of hazard which can cause severe personal injury, death or substantial property damage.

NOTICE

Indicates special instructions on installation, operation, or maintenance which are important but not related to personal injury hazards.

WARNING

This kit and instructions are to be used only by a qualified service technician. Failure to follow all instructions can result in severe personal injury, death or substantial property damage.

NOTICE

Thermostat Kit #10H510 consists of thermostat only. When making replacement, be sure to save all other parts for reuse.

For Water Heater Model . . .

COMBO 30, COMBO 40 and GOLD PLUS 30

PLUS 20, 30, 40, and 60

PLUS 80, 100, and 120

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COMBO 30, COMBO 40, AND GOLD PLUS 30 WATER HEATERS

WARNING

Before installing new thermostat, make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.

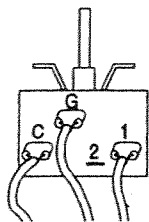
Turn off electrical power to water heater.

WARNING

Electric shock hazard. Failure to turn off power before replacing thermostat can result in severe personal injury, death or substantial property damage.

Remove old thermostat:

1. Remove and save thermostat knob and cap over drywell. Loosen collars on piping.
2. Remove screws holding jacket top panel. Lift up panel enough to work under it.
3. Remove top left screw on jacket back panel.
4. Remove and save:
 - a. 2 screws holding thermostat back plate to top cover.
 - b. thermostat back plate.
5. Slide thermostat out from back panel.
6. Unplug wiring connections from old thermostat body, one at a time, and connect to new thermostat body.
7. Gently pull thermostat capillary tube out of drywell.
8. Discard old thermostat.



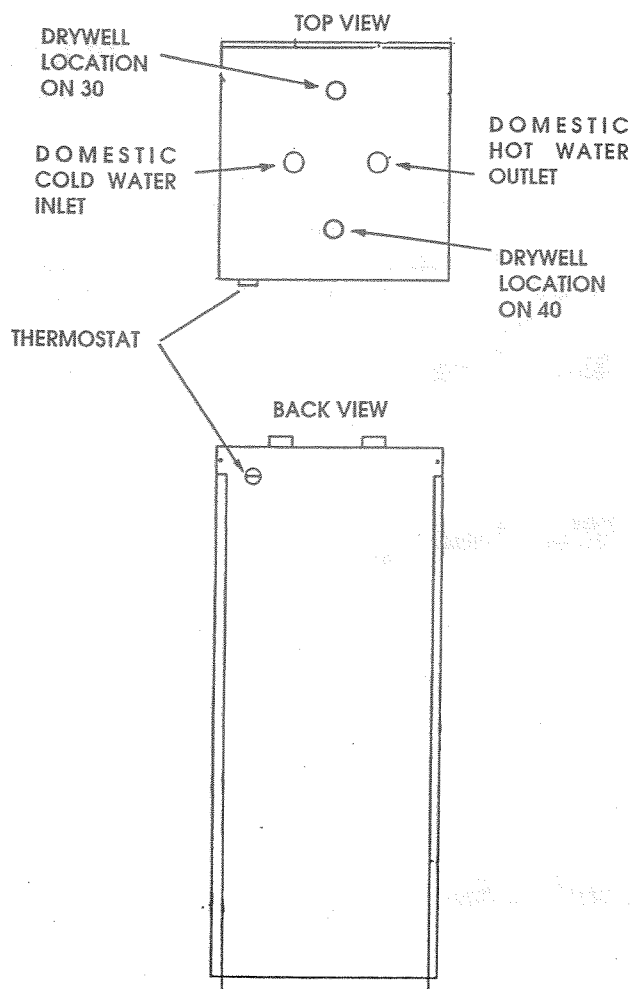
WATER HEATER MODEL	THERMOSTAT CONNECTIONS			
	C	G	2	1
30	RED	--	--	BLACK
40	BLACK	GREEN	--	BLACK

Install new thermostat:

1. Carefully uncoil 2 feet of new thermostat capillary tube. Working under top panel, uncoil and feed it into drywell until you hear or feel it touch bottom. Re-install cap over drywell.

WARNING

Capillary tube may not need to be uncoiled completely. Make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.



2. Push thermostat stem through hole in back panel. Align stem and screw connections in thermostat body so that electrical prongs point down to floor.
3. Start one screw into back panel and thermostat body. Slide thermostat back plate under screw (see back plate detail, page 3). Install second screw. Tighten both screws.
4. Push knob back on thermostat stem, aligning flat side of hole in knob with flat side of stem.
5. Re-install screws in jacket top and back panels.

WARNING

Make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.

Turn on electrical power to water heater.

1. Verify water heater operates normally.
2. Adjust thermostat to system requirements - see water heater manual for proper temperature adjustment.

PLUS 20, 30, 40 AND 60 WATER HEATERS

WARNING

Before installing new thermostat, make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.

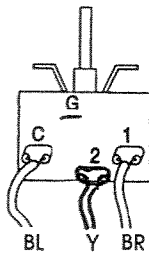
Turn off electrical power to water heater.

WARNING

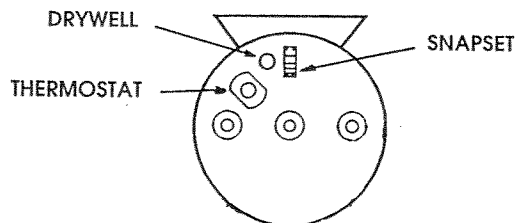
Electric shock hazard. Failure to turn off power before replacing thermostat can result in severe personal injury, death or substantial property damage.

Remove old thermostat:

1. Remove and save thermostat knob and cap over drywell.
2. Loosen collars on domestic hot and cold pipes. Pull up water heater top cover enough to work under it.
3. Remove and save:
 - a. 2 screws holding thermostat back plate to top cover.
 - b. thermostat back plate.
4. Push down on thermostat stem and slide thermostat out from under top cover.
5. Unplug wiring connections from thermostat body to snapset wiring harness, one at a time, and connect to new thermostat body.
6. Gently pull thermostat capillary tube out of drywell.
7. Discard old thermostat.



TOP VIEW OF WATER HEATER



Install new thermostat:

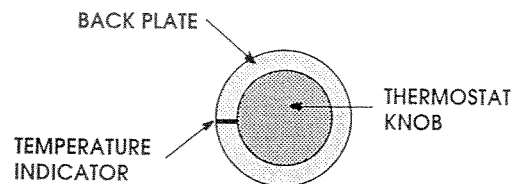
1. Carefully uncoil 2 feet of new thermostat capillary tube. Working under top cover, uncoil and feed it into drywell until you hear or feel it touch bottom. Re-install cap over drywell.

WARNING

Capillary tube may not need to be uncoiled completely. Make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.

2. Push thermostat stem up through hole in top cover. Align stem and screw connections in thermostat body so that electrical prongs face drywell. Top cover on water heater will not reseat properly if prongs face any other way.
3. Start one screw into top cover and thermostat body. Slide thermostat back plate under screw (see back plate detail below). Install second screw. Tighten both screws.

THERMOSTAT BACK PLATE



Install back plate so that temperature indicator will line up properly with your specific knob label.

4. Push thermostat knob back on stem, aligning flat side of hole in knob with flat side of stem.
5. Re-seat top cover on water heater.

WARNING

Make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.

Turn on electrical power to water heater.

1. Verify water heater operates normally.
2. Adjust thermostat to system requirements - see water heater manual for proper temperature adjustment.

PLUS 80, 100, AND 120 WATER HEATERS

WARNING

Before installing new thermostat, make sure capillary tube is not kinked or otherwise damaged. These conditions can cause thermostat to fail, resulting in severe personal injury or death from scald potential.

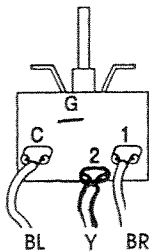
Turn off electrical power to water heater.

WARNING

Electric shock hazard. Failure to turn off power before replacing thermostat can result in severe personal injury, death or substantial property damage.

Remove old thermostat:

1. Remove and save thermostat knob and cap over drywell.
2. Remove screws from front top control panel on water heater.
3. Remove and save:
 - a. 2 screws holding thermostat back plate to top cover.
 - b. thermostat back plate.
4. Remove old thermostat from panel.
5. Remove thermometer bulb from drywell.
6. Lay aside front top control panel with thermometer still in place.
7. Gently pull thermostat capillary tube out of drywell.
8. Unplug wiring connections from thermostat body to snapset wiring harness, one at a time, and connect to new thermostat body.
9. Discard old thermostat.



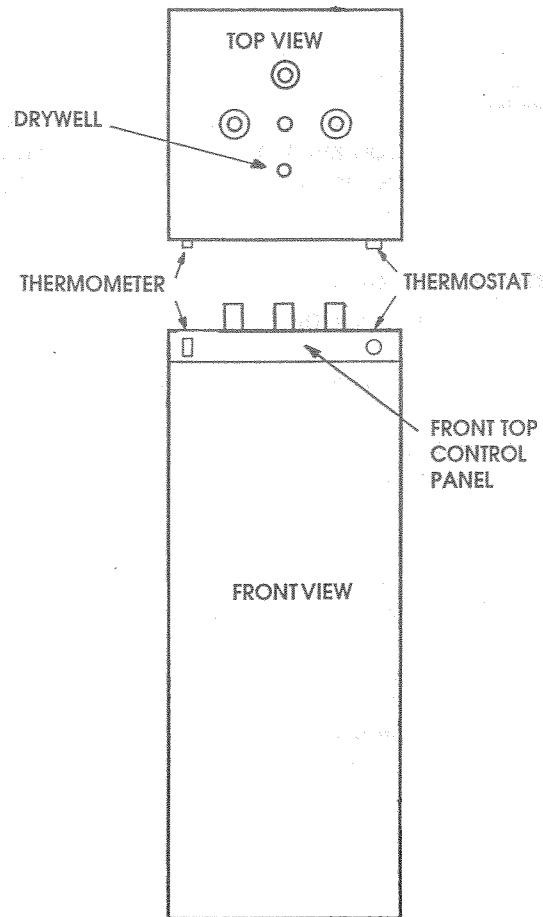
Install new thermostat:

1. Carefully uncoil new thermostat capillary tube. Working under top jacket panel, feed it as far as possible into drywell. Feed thermometer bulb into drywell about 12 inches deep. Re-install cap over drywell.

WARNING

Make sure both thermostat capillary tube and thermometer bulb are not kinked or otherwise damaged. These conditions can cause their controls to fail, resulting in severe personal injury or death from scald potential.

2. Push thermostat stem through hole in panel. Align stem and screw connections in thermostat body so that electrical prongs point to the floor.



3. Install one screw into panel and thermostat body. Slide thermostat back plate under screw (see back plate detail, page 3). Install second screw. Tighten both screws.
4. Push thermostat knob back on stem, aligning flat side of hole in knob with flat side of stem.
5. Re-install front top control panel on water heater.

WARNING

Make sure thermostat capillary tube and thermometer wire are not kinked or otherwise damaged. These conditions can cause their controls to fail, resulting in severe personal injury or death from scald potential.

Turn on electrical power to water heater.

1. Verify water heater operates normally.
2. Adjust thermostat to system requirements - see water heater manual for proper temperature adjustment.

WEIL-McLAIN

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