IMPORTANT: Please read this bulletin and pass on to others in your organisation.

Service Bulletin

RANGES AND WALLOVENS

Oven Thermostat Calibration

MARKETS: USA only
MODELS: ALL RANGES AND WALL OVENS

Use the following procedure to check and adjust the calibration on oven thermostats: -

Note: A good high-temperature digital thermometer is essential when testing oven temperatures.

1. **It is recommended that approximately 30 minutes prior to your arrival at the customer's property, you contact the customer and have them place one rack in the center position in the oven, remove the other racks and ask them to preheat the oven to 350°F.**
2. If this is not possible, complete step one on arrival.
3. Place the digital thermometer-sensing bulb in the center of the oven cavity. Ensure the bulb is not touching any metal surfaces including the oven rack or cavity walls.
4. Allow the oven to come up to temperature and cycle at least three times or more (this may take 20 to 25 minutes.
5. Once the oven is at the pre-set temperature of 350ºF, check and record the oven temperatures at the points when the oven starts to heat (cut-in point) and when it stops heating (cut-out point), as in Fig. 01. Record these for at least three cycles (Fig. 02). DO NOT! Record the temperature when the oven is in the heating process, as the temperature will continue to rise and fall after the thermostat cycles.

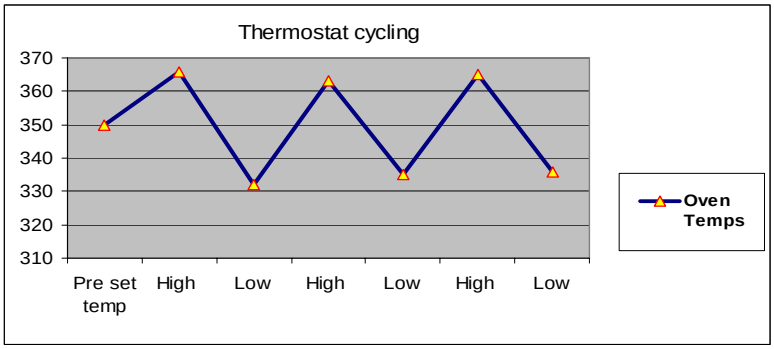

Fig. 01

Oven Calibration Temperature Readings						
Pre set temp	High	Low	High	Low	High	Low
350	366	332	363	335	365	336

Fig 02

6. Determine the average – add together all the high and low readings to get a total, then divide the total by the number of readings and the result is the average temperature. See example in Fig. 03.

366 + 332 + 363+ 335 + 365 + 336 = 2097
2097 ÷ 6 = 349.5
Average Temperature = 349.5ºF

Fig 03

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7. Verify that the thermostat dial is reading the same temperature.
8. If they match, there are no additional adjustments or repairs required.
9. If the temperature difference is greater than 50ºF, then the thermostat must be replaced. Before replacing the thermostat, make sure that all other components and seals of the oven are operating normally and are intact.
10. If the temperature difference is less than 50ºF, then the thermostat can still be adjusted, in most situations. See below for adjustment procedures.
11. After making the necessary adjustment, the oven must be cycled three times to verify that the thermostat is operating within acceptable limits. Follow steps 2 to 6 above.

Note: Different types of thermostats will have different locations for their adjustment screws. Some may have a sealer on the screw head to prevent un-intended movement of the setting.

Adjusting Gas Module Thermostats

1. Pull the thermostat knob straight off the shaft without turning the knob.
2. While holding the thermostat shaft, use a small flat bladed screwdriver and insert it through the center of the shaft to make the adjustments.
3. Adjustments are made by rotating the setscrew clockwise to decrease the temperature and counter clockwise to increase the temperature. NOTE: Adjustments should be made in very small increments.

Adjusting Electric Oven Thermostats

1. Pull the thermostat knob straight off the shaft without turning the knob.
2. Use a small flat bladed screwdriver to make the adjustments. The screw located in the hole closest to the shaft will be the bake temperature adjustment screw.
3. Rotate the screw clockwise to decrease the temperature and counter clockwise to increase the temperature. NOTE: Adjustments should be made in very small increments.

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