

[Manuals.plus](#) /

> [ForeverPRO](#) /

> ForeverPRO WB21T10018 Oven Temperature Sensor Assembly User Manual for GE Wall Ovens

## ForeverPRO WB21T10018

# ForeverPRO WB21T10018 Oven Temperature Sensor Assembly User Manual

For GE Wall Ovens

## 1. PRODUCT OVERVIEW

The ForeverPRO WB21T10018 is a replacement oven temperature sensor assembly designed for various GE Wall Oven models. This component plays a crucial role in regulating and maintaining the correct temperature within the oven cavity, ensuring accurate cooking results. It replaces several original equipment manufacturer (OEM) part numbers, including 1810577, AH3486590, EA3486590, and PS3486590.



**Figure 1:** ForeverPRO WB21T10018 Oven Temperature Sensor Assembly. This image displays the sensor assembly, featuring a metallic probe connected to a flexible, braided cable, terminating in a connector.

## 2. SAFETY INFORMATION

Before attempting any installation or repair on an appliance, it is imperative to prioritize safety. Failure to follow these guidelines can result in electric shock, injury, or damage to the appliance.

- **Disconnect Power:** Always ensure the appliance is completely disconnected from its power source (unplugged or circuit breaker turned off) before beginning any work.
- **Professional Assistance:** If you are unsure about any step of the installation process, it is recommended to consult a qualified appliance repair technician.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves, to prevent injury.
- **Inspect Components:** Before installation, visually inspect the new part for any damage.

### 3. PRODUCT COMPATIBILITY

The WB21T10018 sensor assembly is compatible with a wide range of GE Wall Oven models. It is crucial to verify your oven's model number to ensure proper fit and function. Refer to your appliance's original documentation or the manufacturer's website for specific part requirements.

#### Compatible Models Include (but are not limited to):

- CT918ST1SS, CT918ST2SS
- CT959ST1SS, CT959ST2SS
- JCTP30DP2BB, JCTP30DP3WW, JCTP30SP2SS
- JCTP70DP2BB, JCTP70DP3WW, JCTP70SP2SS
- JTP30DP2BB, JTP30DP3CC, JTP30DP3WW, JTP30SP2SS
- JTP31SR2SS, JTP35DP2BB, JTP35DP3WW, JTP35SP2SS
- JTP55DP2BB, JTP55DP3WW, JTP55SP2SS
- JTP70DP2BB, JTP70DP3WW, JTP70SP2SS
- JTP75DP2BB, JTP75DP3WW, JTP75SP2SS
- JTP90DP3BB, JTP90DP4WW, JTP90SP3SS
- JTS10DP2BB, JTS10SP2SS
- PCT916DR1BB, PCT916DR1WW, PCT916DR2BB, PCT916DR2WW, PCT916SR1SS, PCT916SR2SS
- PCT920SR1SS, PCT920SR2SS
- PT900DR1BB, PT900DR1WW, PT900DR2BB, PT900DR2WW, PT900SR1SS, PT900SR2SS
- PT916DR1BB, PT916DR1CC, PT916DR1WW, PT916DR2BB, PT916DR2CC, PT916DR2WW, PT916SR1SS, PT916SR2SS
- PT920DR1BB, PT920DR2BB, PT920SR1SS, PT920SR2SS
- PT956DR1BB, PT956DR1CC

This part is also compatible with various appliance models for GE, General Electric, Hotpoint, RCA, and Sears / Kenmore.

### 4. INSTALLATION INSTRUCTIONS

Replacing an oven temperature sensor typically involves a few basic steps. Always refer to your specific oven's service manual for detailed instructions, as procedures may vary by model.

1. **Disconnect Power:** Ensure the oven's power supply is completely disconnected at the circuit breaker or by unplugging the appliance.
2. **Access the Sensor:** The oven temperature sensor is usually located inside the oven cavity, often at the top rear or side wall. It is typically held in place by one or two screws.
3. **Remove Old Sensor:** Carefully remove the screws securing the old sensor. Gently pull the sensor out of the oven cavity, feeding the wire through the opening.
4. **Disconnect Wiring:** Once the sensor is accessible, disconnect the electrical connector. Note the orientation of the connector if it is not symmetrical.
5. **Install New Sensor:** Connect the new ForeverPRO WB21T10018 sensor assembly to the oven's wiring. Ensure the connection is secure.
6. **Secure Sensor:** Carefully feed the wire back into the oven wall and position the new sensor in its mounting

location. Secure it with the screws previously removed.

7. **Restore Power:** Once the sensor is securely installed and all connections are made, restore power to the oven.
8. **Test Functionality:** Turn on the oven and set it to a specific temperature to verify that the new sensor is functioning correctly and the oven heats as expected.

If you encounter any difficulties or are uncomfortable performing this repair, contact a certified technician.

## 5. OPERATING PRINCIPLES

The oven temperature sensor is a critical component of your oven's temperature control system. It continuously monitors the internal temperature of the oven cavity and sends this data to the oven's control board. The control board then uses this information to cycle the heating elements on and off, maintaining the desired temperature set by the user.

Once installed, the sensor operates automatically as part of the oven's normal function. No user interaction is required for its operation.

## 6. MAINTENANCE

The oven temperature sensor itself requires minimal maintenance. However, periodic inspection of the oven's interior and components can help ensure its longevity and proper function.

- **Visual Inspection:** During routine oven cleaning, visually inspect the sensor probe for any signs of physical damage, corrosion, or excessive residue buildup.
- **Cleaning:** If the sensor probe has food residue, gently wipe it clean with a damp cloth after ensuring the oven is cool and disconnected from power. Avoid using harsh chemicals or abrasive cleaners, as these can damage the sensor.
- **Wiring Check:** Periodically, if accessible and safe to do so (with power disconnected), check the sensor's wiring for any signs of fraying or loose connections.

## 7. TROUBLESHOOTING

A faulty oven temperature sensor can lead to various issues with your oven's performance. If you experience any of the following symptoms, the sensor may need to be replaced or inspected:

- **Inaccurate Temperature:** The oven consistently bakes food too quickly or too slowly, indicating the actual temperature differs from the set temperature.
- **Oven Not Heating:** The oven fails to heat up at all, or heats very slowly.
- **Error Codes:** The oven display shows specific error codes related to temperature sensing. Consult your oven's user manual for error code definitions.
- **Constant Heating:** The oven continues to heat past the set temperature without cycling off.

If these issues persist after replacing the sensor, further diagnosis by a qualified technician may be necessary to identify other potential problems with the oven's control board or heating elements.

## 8. SPECIFICATIONS

<b>Part Number</b>	WB21T10018
<b>Replaces Part Numbers</b>	1810577, AH3486590, EA3486590, PS3486590
<b>Manufacturer</b>	ForeverPRO
<b>Included Components</b>	Sensor Asm

## 9. WARRANTY AND SUPPORT

ForeverPRO stands by the quality of its products. This WB21T10018 sensor assembly comes with a "No Questions Asked Money Back Guarantee."

For further assistance, technical support, or to inquire about the warranty, please contact ForeverPRO directly through their official channels or the retailer from whom the product was purchased.