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> AMI PARTS 316490000 Oven Temperature Sensor Probe Instruction Manual

## AMI PARTS 316490000

# AMI PARTS 316490000 Oven Temperature Sensor Probe Instruction Manual

Brand: AMI PARTS | Model: 316490000

## 1. INTRODUCTION

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This manual provides essential information for the installation, maintenance, and troubleshooting of the AMI PARTS 316490000 Oven Temperature Sensor Probe. This sensor is a critical component designed to accurately detect and regulate the internal temperature of your oven, ensuring consistent heating for optimal cooking results.



Image 1.1: The AMI PARTS 316490000 Oven Temperature Sensor Probe.

## 2. COMPATIBILITY

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The 316490000 Oven Temperature Sensor Probe is designed to be compatible with a wide range of ovens from top brands, including Frigidaire, Kenmore, and Crosley. It replaces several part numbers, ensuring broad applicability.

### 2.1 Replaces Part Numbers:

- 316490002
- 316490003
- 7316490000
- 1197392
- AP3963654
- PS1528542
- EAP1528542

### 2.2 Compatible Oven Models:

This sensor is compatible with numerous models. A partial list includes: FEF352FBB, FEF352FBC, FEF352FBD,

FEF352FBE, FEF352FSB, FEF352FSC, FEF352FSD, FEF352FSE, FEF352FUB, FEF352FUC, FEF352FUD,  
FEF352FWB, FEF352FWC, FEF352FWD, FEF352GMA, 79071342700, 79071342701, 79071342702,  
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### 3. SPECIFICATIONS

<b>Brand</b>	AMI PARTS
<b>Model Info</b>	316490000
<b>Item Weight</b>	0.634 ounces (0.02 Kilograms)
<b>Sensing Distance</b>	9.65 Inches
<b>Upper Temperature Rating</b>	500 Degrees Fahrenheit
<b>Material</b>	304 Stainless Steel (as per video)
<b>Color</b>	Silver
<b>Mounting Type</b>	Flange Mount

# PRODUCT SIZE



Image 3.1: Product dimensions showing a total length of approximately 9.97 inches.



Image 3.2: Detailed view of the sensor probe, connector, and mounting bracket.

## 4. INSTALLATION

**Safety First:** Always disconnect power to your oven before attempting any repairs or installations. Wear appropriate safety gear, such as gloves.

### 4.1 Step-by-Step Installation Guide:

1. **Disconnect Power:** Unplug the oven from the electrical outlet or turn off the circuit breaker supplying power to the oven.
2. **Access the Sensor:** Depending on your oven model, you may need to remove the rear access panel or access the sensor from inside the oven cavity.
3. **Disconnect Wiring:** Locate the oven temperature sensor. Depress the retaining tab on the wire connector to disconnect it from the old sensor.
4. **Remove Old Sensor:** Using a quarter-inch socket or nut driver, unthread the mounting screws securing the old sensor. Carefully pull the old sensor out.
5. **Install New Sensor:** Insert the new 316490000 sensor through the rear panel or oven cavity. Thread the mounting screw(s) to secure it in place.
6. **Reconnect Wiring:** Reconnect the wire connector to the new sensor, ensuring it clicks securely into place.

7. **Reassemble Oven:** Reattach any panels removed during the process.

8. **Restore Power:** Plug the oven back into the electrical outlet or turn on the circuit breaker.

## 4.2 Installation Videos:

Your browser does not support the video tag.

Video 4.1: An overview of the 316490000 Oven Temperature Sensor Probe and its installation process. This video demonstrates the steps involved in replacing the sensor.

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Video 4.2: A detailed guide on replacing the 316490000 Oven Temperature Sensor, including steps for disconnection and reinstallation.

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Video 4.3: Instructions for replacing the 316490000 Oven Probe Temperature Sensor, showing the physical replacement steps.

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Video 4.4: A general guide on how to replace an oven temperature sensor, which can be applied to the 316490000 model.

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Video 4.5: A demonstration video showing the replacement process for an oven temperature sensor, highlighting its ease of repair.

## 5. MAINTENANCE

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The 316490000 Oven Temperature Sensor Probe is designed for durability and long service life. Regular maintenance of your oven, such as cleaning the oven cavity, can help ensure the sensor operates efficiently. Avoid harsh chemicals directly on the sensor probe.

# GOOD THERMAL CONDUCTIVITY

HEATING EVENLY

## AMI PARTS, PARTS SPECIALIST

- New Accessory
- Thickened Glass
- Safety Material



Image 5.1: The sensor is made of 304 stainless steel for good thermal conductivity and durability.

## 6. TROUBLESHOOTING

If your oven is experiencing temperature-related issues, the oven temperature sensor may be faulty. Common problems include:

- Oven is too hot or not heating to the set temperature.
- Oven is heating unevenly.
- Oven will not start or preheat properly.

To diagnose if your sensor is faulty, you can perform a continuity test using a multimeter. A reading of approximately 1080 ohms at room temperature (70°F) indicates a functional sensor. A reading of 0 ohms or an open circuit indicates a faulty sensor that needs replacement.

### 6.1 Troubleshooting Video:

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Video 6.1: This video demonstrates how to check the temperature sensor on an electric oven using a multimeter to diagnose issues.

## 7. WARRANTY AND SUPPORT

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The AMI PARTS 316490000 Oven Temperature Sensor Probe comes with a **365-day Quality Assurance (QA) warranty**. If you encounter any issues or have questions regarding this product, please contact the AMI PARTS customer service team through Amazon email or the question and answers section on the product page. Our professional after-sales service team is committed to resolving your concerns within 24 hours.