F30 Code for Slide-In Range

MODEL/SERIAL #

CGLES389FB1	**CGLES389F89**	**CGLES389ECB**	**PLES389EC3**
CGLES389FB2	**CGLES389FFS**	**CGLES389ECC**	**PLES389EC8**
CGLES389FB3	**CGLES389F3**	**CGLES389EGL**	**PLES389EC9**
CGLES389FBC	**CPLES399EC5**	**CGLES389EES**	**PLES389ECC**
CGLES389FBG	**CGLES389EC6**	**CGLES389E38**	**PLES389ECG**
CGLES389FBL	**CGLES389EC7**	**CGLES389E9F**	**PLES389ECH**
CGLES389FBE	**CGLES389ECG**	**CGLES389EQB**	**PLES389EPL**
CGLES389FBS	**CGLES389ECL**	**GLES389FSB**	**PLES389EES**
CGLES389FB8	**CGLES389ECE**	**GLES389FSC**	**PLES389E39**
CGLES389FB9	**CGLES389ECS**	**PLES389ECF**	**PLES389E9E**
CGLES389FBF	**CGLES389EC3**	**PLES389ECP**	**PLES389ECE**
CGLES389FCG	**CGLES389EC8**	**PLES389ECL**	**PLES399ECF**
CGLES389FLE	**CGLES389EC9**	**PLES389ECE**	**PLES389ECG**
CGLES389FS3	**CGLES389ECF**	**PLES389ECS**	

PROBLEM

F30 fault code in EOC display.

CAUSE

Open oven temperature sensor circuit.

Note: The temperature sensor circuit consists of the sensor (probe), front safety thermostat, rear safety thermostat and connecting wires.

SOLUTION

On the above listed models this error code can be caused by one or more of the following conditions.

1. The oven temperature sensor (probe) is open.
2. Front oven safety thermostat is open.
3. Rear oven safety thermostat is open.
4. Failed connection or broken wire in the sensor circuit.

Step 1: Test the resistance of the entire sensor circuit by disconnecting power to the range and accessing the multi-pin harness connector plug on the rear of the EOC. With the plug disconnected from the EOC, measure the resistance between the two violet wires found in the harness. At room temperature the resistance should be approximately 1100 ohms. If the resistance is correct then the fault is internal in the EOC and it must be replaced.

Step 2: If the sensor circuit resistance is higher than 1200 ohms at room temperature, then test the two safety thermostats in the oven sensor circuit. If either safety thermostat is found to be open, it should be replaced with the proper service replacement part.

The safety thermostats may have a reset button that can be used to temporarily restore the range to full function, however; the thermostat must be replaced for continued proper operation.

Note: The thermostat located in front must be replaced with p/n 318005213.

Note: If the rear safety thermostat is open there could be a failure of the cooling fan high speed control thermostat p/n 318003614, or the cooling fan itself. This thermostat switches the cooling fan from low speed to high speed when it reaches a temperature of 170°F. Verify that the thermostat is operating properly by using a heat gun to raise the temperature above 170°F. Select a bake cycle on the EOC and check to see that the cooling fan is running on high speed. Replace the high speed fan thermostat or fan motor if defective.

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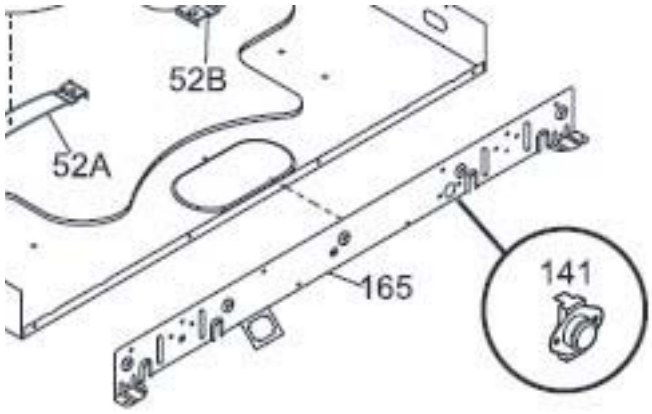

Step 3: Test the temperature sensor (probe) by disconnecting it from the harness and measuring the resistance with an ohm meter. If the resistance is higher than 1200 ohms or less than 1000 ohms replace the sensor. If the quick connect harness plug on the temperature sensor probe is found to be defective the plug can be cut out and the connection can be hard wired.

Step 4: Verify continuity of the wire harness and connections from the temperature sensor and safety thermostats.