

# Temperature Sensor Failure Report

**Related issues:** #83057, #80450

**Stock reference:** 0212030

A concern was raised about the failure rate of the (0212030) skin contact temperature sensor. Eight sensors have been returned for investigation. Of these, five are covered by the warranty period and three were not.

**In warranty:**

SN: V150110404  
SN: V150110406  
SN: V150110407  
SN: V150110480  
SN: V150110481

**Out of warranty:**

SN: V140110377  
SN: V150110397  
SN: V150110398

**In warranty:**

SN: V150110404 – The temperature sensor has been tested. The sensor is working as expected. The outer cable has split, exposing the nylon braiding and inner wiring. This fault is, most likely, due to accidental damage.



SN: V150110406 – The temperature sensor has been tested. The sensor is open circuit. The cable at the sensor head feels empty. It is likely that the sensor head has come away from the wiring.



SN: V150110407 – The temperature sensor has been tested. The sensor is open circuit. The sensor head has come away from the cable, but remains attached by the braiding and internal wiring.



There is a kink in the cable at the cable joint.



SN: V150110480 – The temperature sensor has been tested. The sensor is open circuit. The cable at the sensor head feels empty. It is likely that the sensor head has come away from the wiring.

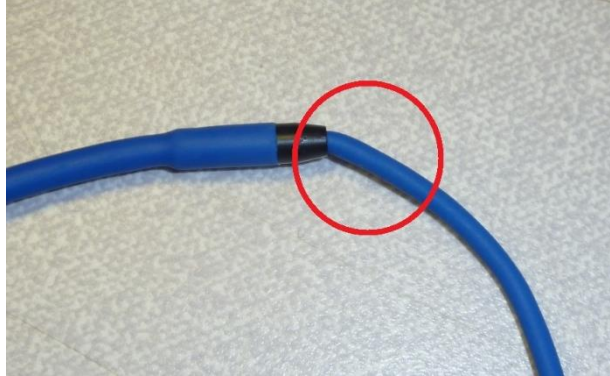


SN: V150110481 – The temperature sensor has been tested. The sensor is open circuit. The cable at the sensor head feels empty. It is likely that the sensor head has come away from the wiring.



**Out of warranty:**

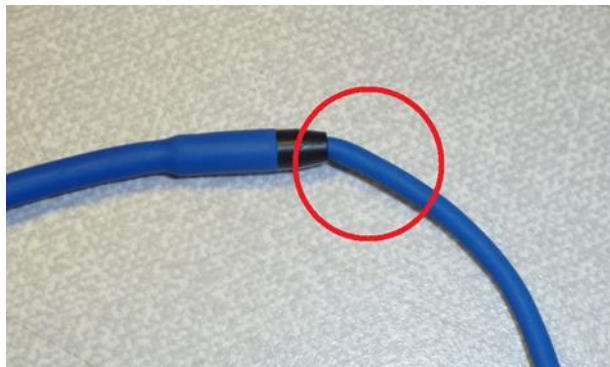
SN: V140110377 – The temperature sensor has been tested. The sensor is open circuit. The cable has an intermittent break at the cable joint.



SN: V150110397 – The temperature sensor has been tested. The sensor is open circuit. The cable at the sensor head feels empty. It is likely that the sensor head has come away from the wiring.



SN: V150110398 – The temperature sensor has been tested. The sensor is open circuit. The cable has an intermittent break at the cable joint.



**Conclusion:**

The customer has bought twenty of these probes since the beginning of 2015. Of these, eight have failed with cable issues. Reportedly, this is not an issue when using the OEM equivalent. Therefore, it is likely that a more robust cable would improve the life span of this sensor.