

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:

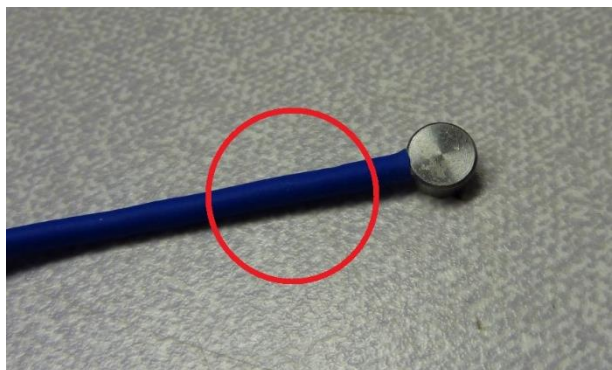
SN: V140110377
SN: V150110397
SN: V150110398

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.

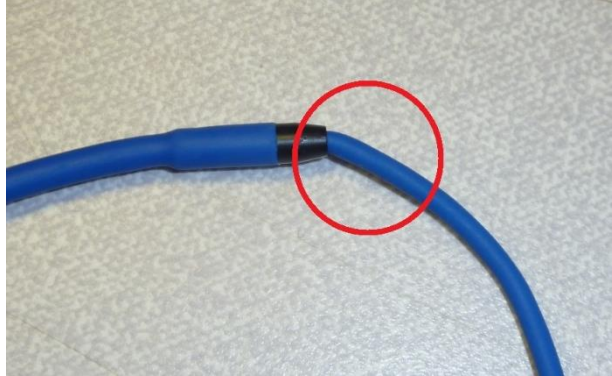


SN: V150110481 – The temperature sensor has been tested. The sensor is open circuit. The cable at the sensor head feels empty. It is likely that the sensor head has come away from the wiring.



Out of warranty:

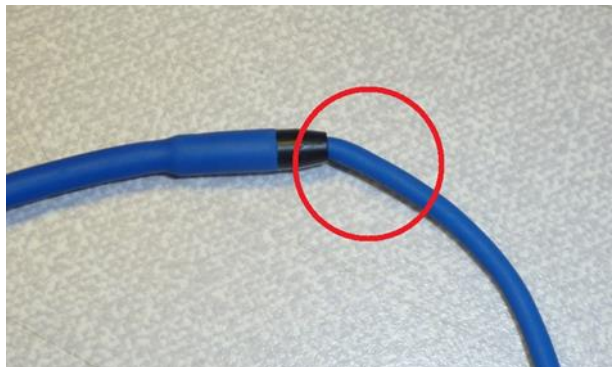
SN: V140110377 – The temperature sensor has been tested. The sensor is open circuit. The cable has an intermittent break at the cable joint.



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.

More sensors have been returned on SRS65725

In warranty:

SN: V150110479

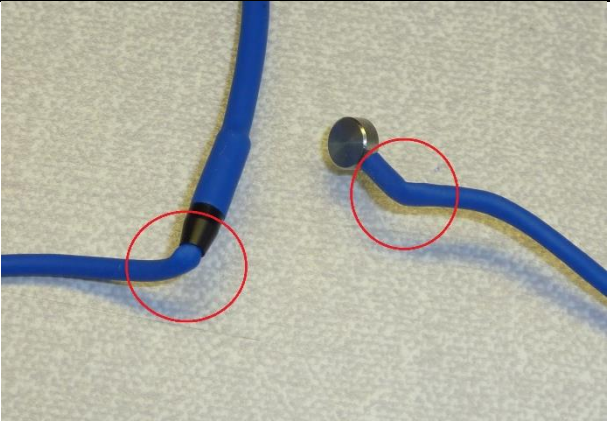
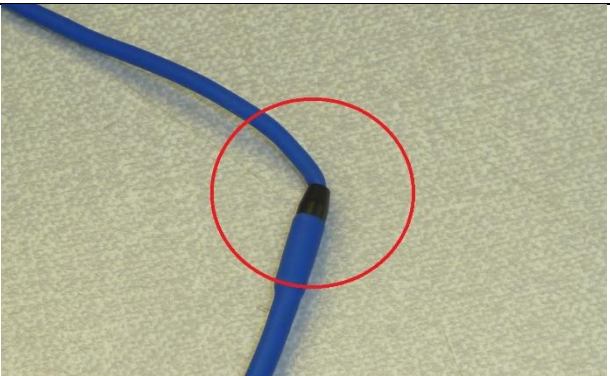
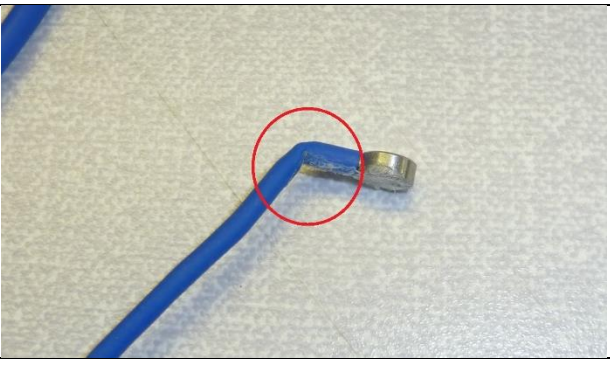
SN: V150110405

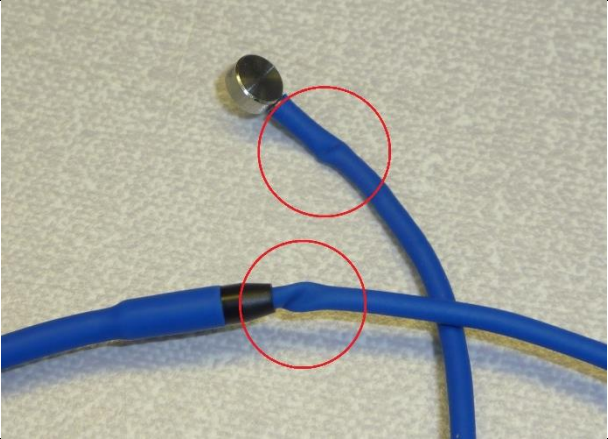
SN: V150110471

Out of warranty:

SN: V150110399

SN: V140110383

In warranty:	
<p>SN: V150110479 – The temperature sensor has been tested. The sensor is open circuit. There seems to be internal damage to the cable at the marked points.</p>	
<p>SN: V150110405 – The temperature sensor has been tested. The sensor is open circuit. There is an intermittent break at the cable joint. There seems to be internal damage to the cable at the marked points.</p>	
<p>SN: V150110471 – The temperature sensor has been tested. The sensor is open circuit. There seems to be internal damage to the cable at the marked points.</p>	

Out of warranty:	
<p>SN: V150110399 – The temperature sensor has been tested. The sensor is open circuit. There is an intermittent break at the cable joint. There seems to be internal damage to the cable at the marked points.</p>	
<p>SN: V140110383 – The temperature sensor has been tested. The sensor is open circuit. There is an intermittent break at the cable joint. There seems to be internal damage to the cable at the marked points.</p>	