

os3150 os3155 STOPAQ Removal



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**Introduction:**

This document explains one method for removing os3150 / os3155 type sensors and the STOPAQ weather protection material. This may be necessary to replace or inspect a sensor. This document assumes that the sensors were installed according to Micron Optics recommended procedure documented in the os3150 os3155 Installation Guide.

Background:

Figure 1 shows an os3150 sensor mounted on a steel plate and protected with STOPAQ Wrappingband EZ as described in the Installation Guide.

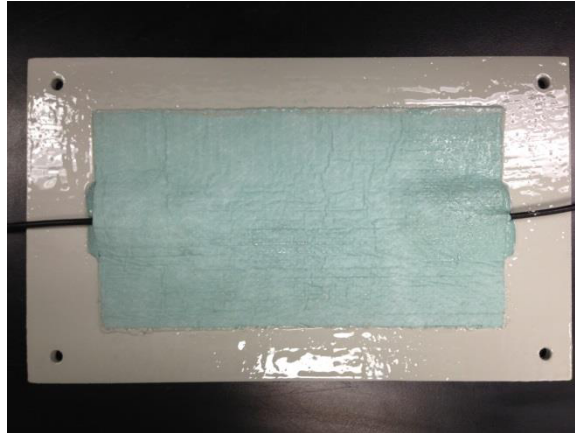


Figure 1 – Protected Sensor

Figure 2 shows the sensor plate after extended exposure to saltwater.



Figure 2 – Plate after saltwater exposure

Figure 3 shows the Scraper/Putty Knife tool used to remove the STOPAQ. The tool has a brass blade measuring 1.25" [31.75mm] wide X .058" [1.47mm] thick.



Figure 3 – Scraper/Putty Knife

Figure 4 shows the sensor after removal of the STOPAQ. Starting from the corners of the STOPAQ, force the scraper under the STOPAQ working toward the center. The STOPAQ should pull cleanly off of the sensor due to the layer of polyimide tape covering the sensor.



Figure 4 – Exposed Sensor



Figure 5 shows a close-up of the sensor and the degree of protection from corrosion.



Figure 5 –Sensor Close-up

Figure 6 shows the backside of the patch of STOPAQ Wrappingband removed from the plate. The rust flakes on the patch are from working the tool under the patch. Notice the strip of polyimide tape embedded in the STOPAQ.



Figure 6 – Removed STOPAQ

The os3150 / os3155 sensor may be removed from the steel by sheering it off. Place a steel plate next to the sensor and strike sharply with a hammer as shown in figure 7.



Figure 7 – Sensor Removal