# OsmoTECH Solenoid Cleaning

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In this video, I am going to show you how to clean the solenoid in a single sample osmometer.

## REQUIRED PPE

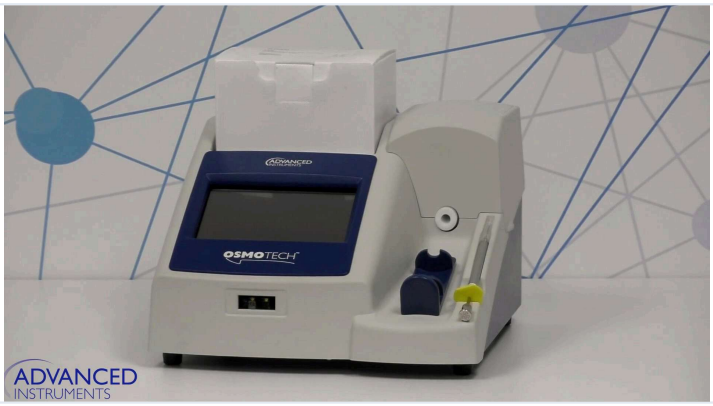
Gloves

## PROCEDURE STEPS

1

### Lift the tab

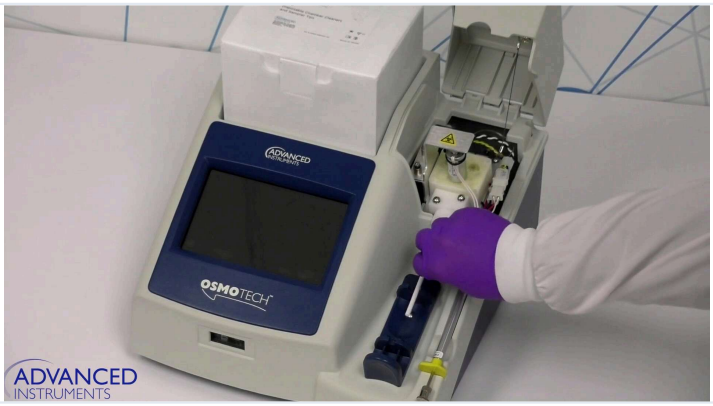
To start, lift the tab shown on the right side of the instrument. Be mindful there is a wire inside that keeps the hood connected to the device.




2

### Chamber cleaner

Before we begin, if not already done, put a chamber cleaner into the well until you feel a positive stop. We will leave that inside the well for the remainder of the solenoid cleaning.

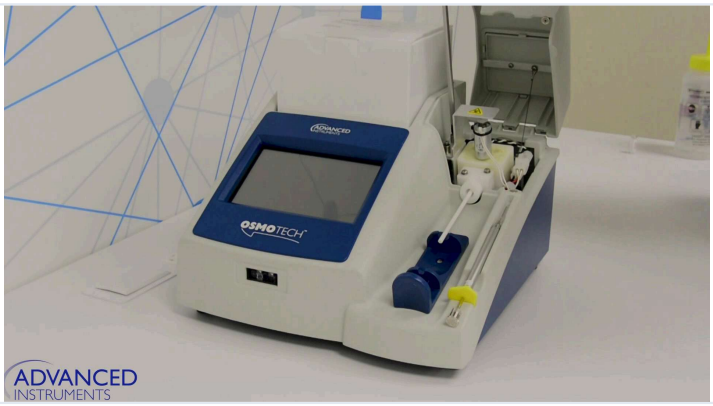


3

## Remove screws

Remove the two captive screws from the side using a Phillips screwdriver, then remove the bracket.

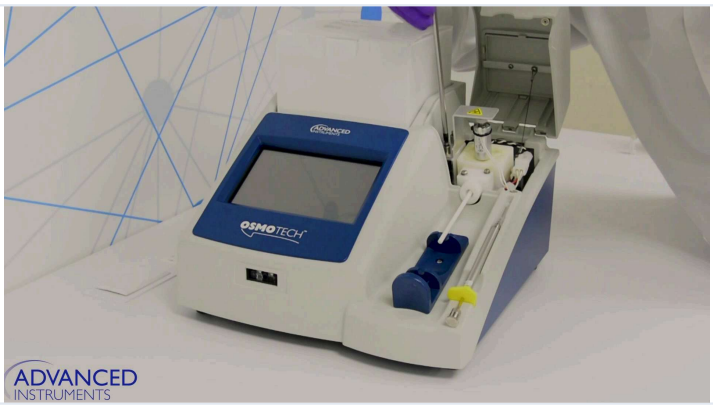
Phillips Head Screwdriver




4

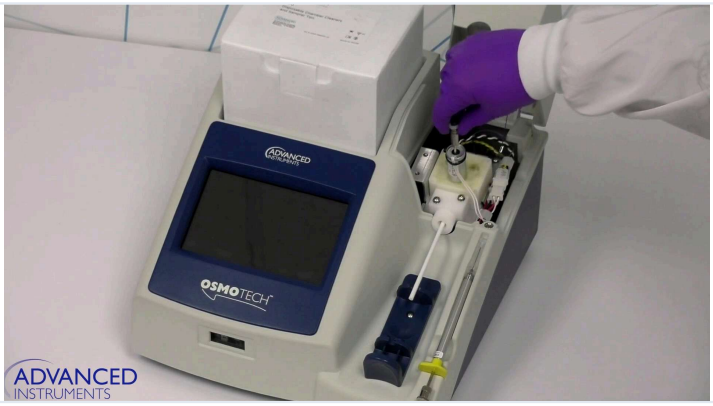
## Access Solenoid

Once the bracket is removed, you can access the solenoid.



## 5 Remove Plunger

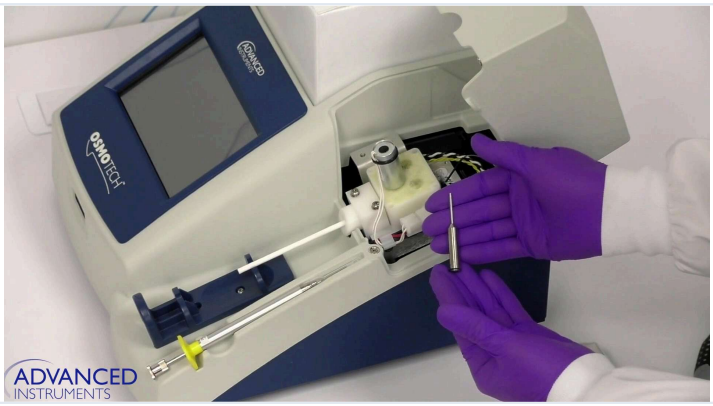
The plunger has three parts. The parts are: the spring, the cup washer that is one directional, and a flat plastic washer. Once removed, you're left with the stainless steel solenoid.




## 6 Clean Solenoid

Take isopropyl alcohol on a wipe and clean the solenoid. Wait roughly ten seconds for it to dry.

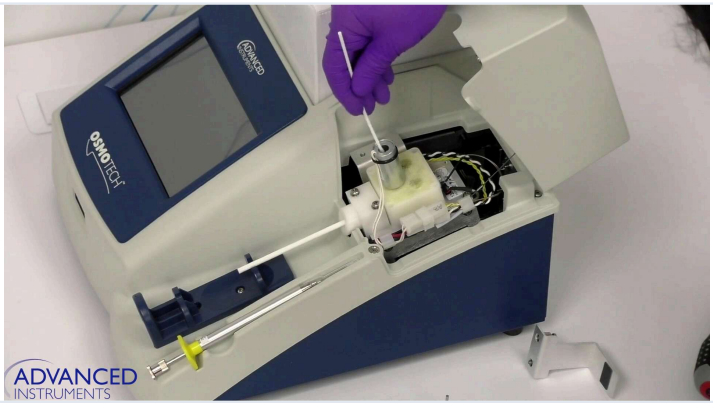
Isopropyl Alcohol  Non-Abrasive Wipe



## 7 Solenoid cylinder

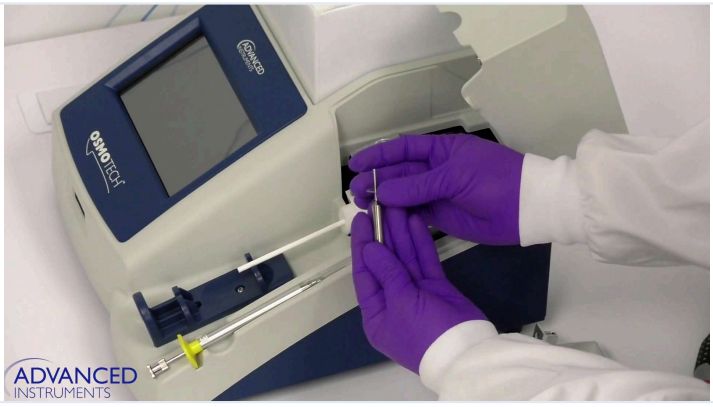
Take a swab, add isopropyl alcohol to the tip and press it into the solenoid cylinder. Swirl the swab around making sure to get the entire interior. Take the back end of the swab and use it to reach inside the narrow end of the solenoid cylinder.

Isopropyl Alcohol




## 8 Reassemble

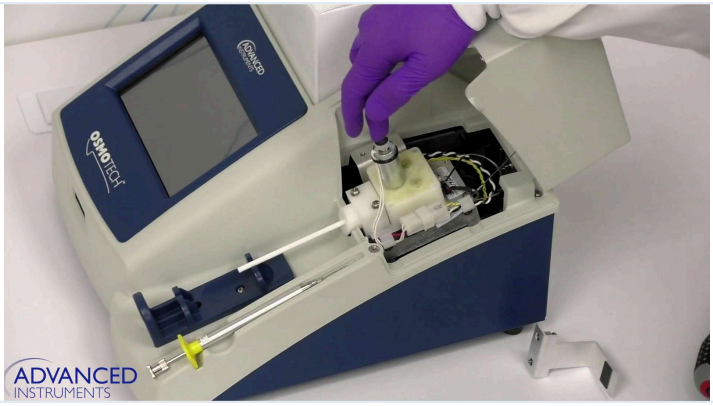
Reassemble the solenoid by placing the flat plastic washer first, then the cup washer facing in the correct direction so that you can add the spring which will sit inside of the cup washer. Take the solenoid assembly and place it back into the well. Make sure there is no grinding or binding.



9

## Reattach

Reattach the bracket, and then lower the hood.

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