

# Multichannel Nozzle Reconditioning Kit



The Nozzle Reconditioning Kit contains complete nozzles and components that can be replaced as needed.

## Applicable Catalog Numbers:

9060-1011

9060-2011

9060-3011

## Package includes:

- 2 complete nozzle assemblies
- 24 replacement filters
- 24 replacement seals
- Filter insertion tool
- Tubing
- Instructions

*Note: Same nozzle filter is used for all models*

## **When to replace Nozzles:**

If a nozzle is leaking or does not aspirate, a complete nozzle can be replaced.

## **When to replace Nozzle Filters:**

Nozzle filters are made of a cellulose material which prevents liquid from entering the interior of the pipette. If the filter becomes wet, the channel will not aspirate or dispense until the filter is replaced.

## **When to replace Nozzle Seals:**

Nozzle seals may need to be replaced when a channel leaks during pipetting, or the seal is visibly worn or torn.

# Nozzle Replacement Instructions

1. Push the ejector slide in until it clicks to fully expose the pipette's nozzles.  
*(For 0.5-20 $\mu$ L models, see note on reverse)*
2. Remove the affected nozzle(s) by placing the rubber tubing provided onto nozzle, and unscrew it in a counterclockwise direction.
3. Place rubber tubing back onto a new or reconditioned nozzle, and screw the nozzle onto the pipette in a clockwise direction. Firmly tighten and remove tubing from nozzle.

Note: Wear gloves



# Nozzle Filter Replacement Instructions

## ***Procedure:***

Note: Wear gloves

1. Push the ejector slide in until it clicks to fully expose the pipette's nozzles.  
*(For 0.5-20 $\mu$ L models, see note on reverse)*



2. Remove the affected nozzle(s) by placing the rubber tubing provided onto nozzle, and unscrew it in a counterclockwise direction.



3. Remove the filter inside the nozzle(s) by inserting a straightened paperclip into the small hole in the tip end of the nozzle, and push the filter out through the wide (threaded) opening.



4. Pick up a new nozzle filter with tweezers and place it into the wide (threaded) end of the nozzle.



***NOTE: Make sure the narrow end is inserted first***

5. Use the filter insertion tool to push the filter into position. Press down until the end of the tool makes contact with the inside bottom of the nozzle.



- Tap the nozzle on the counter to remove any loose cellulose material.
- Place rubber tubing back onto the nozzle, and screw the nozzle onto the pipette in a clockwise direction. Firmly tighten and remove tubing from nozzle.

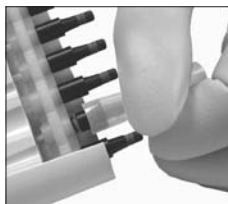
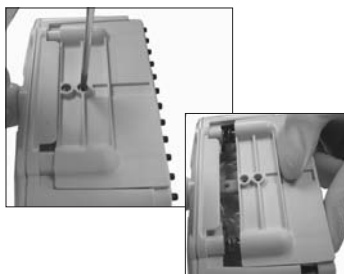


### **Special Note for 0.5–20 $\mu$ L Models:**

To remove a nozzle(s) on 0.5–20 $\mu$ L models, the rear panel of the ejector sleeve needs to be removed.

Remove two screws on the panel, and slide it away as shown. Remove springs from posts, and remove affected nozzle(s) with tubing provided.

After filter(s) has been replaced, reinstall springs, rear panel and screws.



### **Applicable Nozzle Reconditioning Kits**

	MULTICHANNEL MODEL		
	0.5–20 $\mu$ L	2–125 $\mu$ L 5–250 $\mu$ L	25–850 $\mu$ L
<b>9060-1011</b> ..... Catalog Number			
<b>Nozzle Reconditioning Kit</b> Contains 2 nozzles, 24 seals, 24 filters & tool	<b>9060-1011</b>	<b>9060-2011</b>	<b>9060-3011</b>

# Nozzle Seal Replacement Instructions

## ***Procedure:***

Note: Wear gloves

1. Push the ejector slide in until it clicks to fully expose the pipette's nozzles.



2. Remove an existing seal by slipping the end of a very small screwdriver or tweezers under the edge of seal, taking care not to score or scratch nozzle surface. Stretch it up and over the end of the nozzle.



3. Place a new seal on the countertop, with the rib line closest to counter surface.



4. Pick up the pipette and align the nozzle with the new seal. Press down to ease the seal over the end of the nozzle and into place.

