

Hydro-Wiper Universal Location Guide for the TriOS OPUS (2mm, 5mm & 10mm pathways)



Tools Required: 2.5mm Hex/Allen Key, 3mm Hex/Allen Key, 5mm Hex/Allen Key

How to attach the Hydro-Wiper (with Location Guide) to the TriOS OPUS:

1. Check the Pathway indicated on the Location Guide (where the arrow is pointing on the Location Guide in Photo 1 below) matches the TriOS OPUS pathway length being used.



Photo 1: Check the pathway length indicator on the Location Guide is correct for the TriOS OPUS pathway length being used (in this case 5mm).

2. Make sure the Brush on the Hydro-Wiper is the correct size for the TriOS OPUS pathway length being used.
3. Put the Hydro-Wiper into the "Park" position.
4. Remove the Location Guide from the Hydro-Wiper Clamp i.e. unscrew the two screws on top of the Location Guide as seen in Photo 1 (this requires a 2.5mm Hex/Allen Key).
5. Loosen the Hydro-Wiper Clamp (this requires a 3mm Hex/Allen Key) enough to slide the Hydro-Wiper over the top of the TriOS OPUS, where the top of the TriOS OPUS is the short end without the cable/connector*.

*If using the 5mm option make sure that Lens "Socket 8" (the bigger lens socket) is at the cable/connector side of the optical pathway as per the TriOS OPUS operating instructions (and as seen in Photo 3).

6. Slide the Hydro-Wiper past the TriOS OPUS Blast Port.
7. Screw the plastic Location Plug into the Blast Port on the TriOS OPUS as seen in Photo 2 below (this requires a 5mm Hex/Allen Key).



Photo 2: Installing the Location Plug into the TriOS OPUS Blast Port with a 5mm Allen Key.

8. Place the Location Guide over the Location Plug i.e. the Location Plug fits into the corresponding hole on the Location Guide.
9. Slide the TriOS OPUS through the Hydro-Wiper Clamp until you can resecure the Hydro-Wiper Location Guide back onto the Hydro-Wiper Clamp i.e. reinstall the two screws on top of the Location Guide as per Photo 1 (this requires a 2.5mm Hex/Allen Key).
10. Retighten the Hydro-Wiper Clamp (this requires a 3mm Hex/Allen Key).
11. Double check the Hydro-Wiper Brush appears to be properly aligned, and that the Hydro-Wiper Brush is the correct size, for the TriOS OPUS pathway length being used, as per Photo 3 below.



Photo 3: Check the brush is the right size and that it is correctly aligned through the centre of the pathway.

How to remove the Hydro-Wiper (with Location Guide) from the TriOS OPUS:

1. Put the Hydro-Wiper into the “Park” position.
2. Remove the Location Guide from the Hydro-Wiper Clamp i.e. unscrew the two screws on top of the Location Guide as seen in Photo 1 (this requires a 2.5mm Hex/Allen Key).
3. Unscrew the plastic Location Plug from the Blast Port on the TriOS OPUS as seen in Photo 2 (this requires a 5mm Hex/Allen Key).
4. Loosen the Hydro-Wiper Clamp (this requires a 3mm Hex/Allen Key) enough to slide the Hydro-Wiper over the top of the TriOS OPUS, where the top of the TriOS OPUS is the short end without the cable/connector.

How to change the Pathway length of the Hydro-Wiper Location Guide:

1. Remove the Hydro-Wiper from the TriOS OPUS sensor.
2. Unscrew the Location Guide from the Hydro-Wiper Clamp.
3. Unscrew the Hydro-Wiper Clamp from the Hydro-Wiper Body.
4. Rotate the Hydro-Wiper Clamp through 180degrees.
5. Reattach the Location Guide to the Hydro-Wiper Clamp.
6. Reattach the Hydro-Wiper Clamp to the Hydro-Wiper Body.
7. Check that the pathway indicated on the Location Guide (where the arrow is pointing in Photo 1) now matches the new pathway on the TriOS OPUS.
8. Change the Hydro-Wiper Brush to the right size so that it now matches the new pathway length of the TriOS OPUS.
9. To reinstall the Hydro-Wiper onto the TriOS OPUS sensor see the instruction above.