

Fitting Guide

BEHIND-THE-EAR HEARING INSTRUMENTS

Pico RITE
Hearing System



Fitting Guide

Pico RITE Hearing Systems

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Pico RITE Hearing Systems – Overview

The Pico RITE receiver-in-the-ear hearing instrument is easy to handle and comfortable to wear. The small RITE instrument, in combination with sophisticated technology, delivers tangible end-user benefits. This guide is designed to help you fit and manage Pico RITE hearing systems.

Pico RITE with 60-Speaker



Pico RITE with 85-Speaker



Pico RITE with 100-Speaker – Instant Fit



Pico RITE with 100-Speaker – Custom Fit







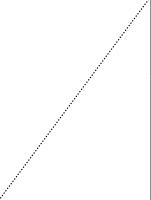

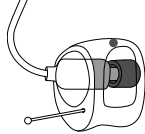
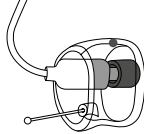






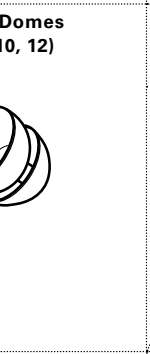
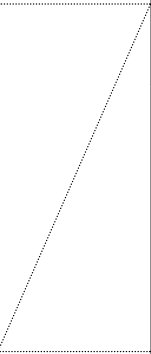

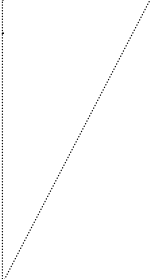




Pico RITE hearing systems offer three speaker units:

- The 60-Speaker, which is appropriate for mild to moderate hearing losses
- The 85-Speaker, which is appropriate for moderate to moderately severe hearing losses
- The 100-Speaker, which provides additional power for severe hearing losses

Selection Chart for Acoustic Options

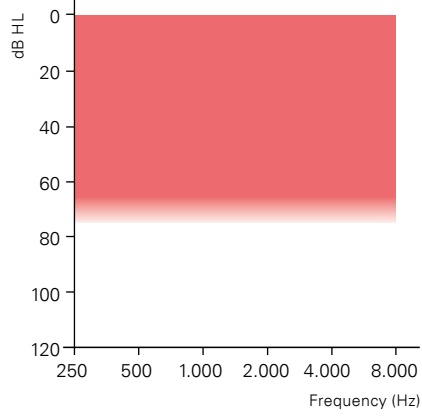
The table below shows the acoustic options available for the three speaker units and the corresponding wax protection system to be used.

 <p>60-Speaker 85-Speaker</p>	<p>Instant</p>	<p>ProWax miniFit</p> 	<p>Open Domes (6, 8, 10)</p> 	<p>Bass Domes Double Vent (6, 8, 10, 12)</p> 	<p>Bass Domes Single Vent (6, 8, 10, 12)</p> 	<p>Power Domes (6, 8, 10, 12)</p> 	
	<p>Custom</p>		<p>Micro Mold</p> 		<p>Lite Tip</p> 		<p>ProWax</p> 
 <p>100-Speaker</p>	<p>Instant</p>	<p>ProWax miniFit</p> 	<p>Bass Domes Double Vent (6, 8, 10, 12)</p> 	<p>Bass Domes Single Vent (6, 8, 10, 12)</p> 	<p>Power Domes (6, 8, 10, 12)</p> 		
 <p>100-Speaker</p>	<p>Custom</p>			<p>Power Mold</p> 			<p>ProWax</p> 

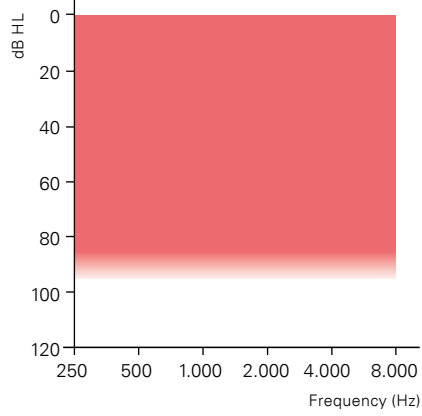
Fitting Ranges

Expected fitting ranges with each speaker unit are shown below.

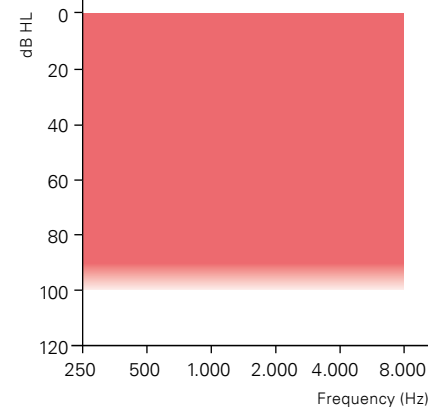
60-Speaker



85-Speaker

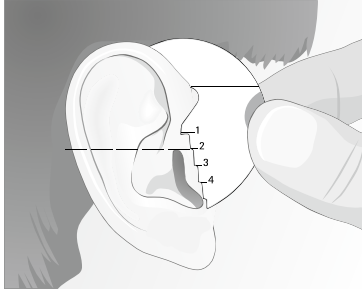


100-Speaker



Selecting the Speaker Unit Length

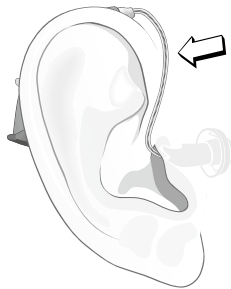
Four receiver lengths are available for all speakers. No. 1 is the shortest, while no. 4 is the longest. Before fitting Pico RITE hearing instruments, it is necessary to determine the correct speaker unit length. The measurement procedure is the same for all speaker units.



Place the measurement tool over the ear, keeping the top line horizontal. With your eyes at the same level as the ear, determine which mark is closest to an imaginary line running over the top of the ear canal. In this example, the correct choice is size 2.



Power Molds will have a better fit if you choose a slightly longer wire length than you would when fitting a Power Dome. If the top of the ear canal falls between two numbers on the gauge, choose the higher number.



If the speaker unit **wire is too long**, the hearing instrument will fall back over the ear and the microphones will point vertically instead of horizontally. It is also unlikely that the receiver wire will fit the contours of the ear correctly.

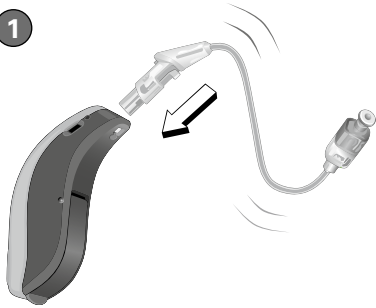


If the speaker unit **wire is too short**, it will have a tendency to move out of the ear canal, and the hearing instrument will lose stability on the ear.

Attaching the Speaker Unit to a Pico RITE Hearing System

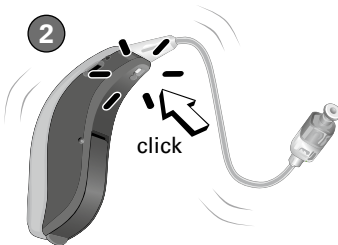
The correct speaker unit attachment is imperative. The following instructions apply to all types of speaker units for Pico RITE hearing systems.

1



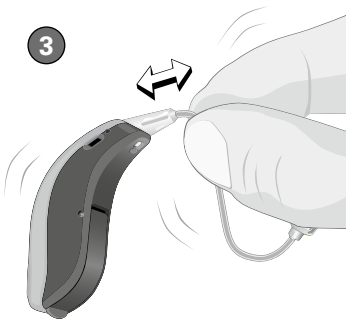
1 Slide the connector plug into the connector socket of the instrument

2



2 Ensure that the snap on the connector plug is completely inserted into the opening on the hearing instrument housing

3

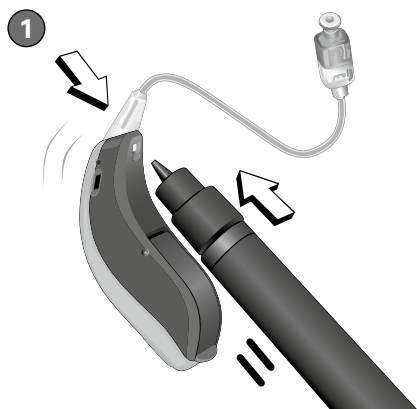


3 To test the attachment of the speaker unit to the hearing instrument, gently pull the speaker wire near the connection to the hearing instrument as shown. If the speaker comes off, then it was not attached properly.

i

Speaker units can easily sustain internal damage if dropped. Before you attach the speaker unit, please place a dome on the speaker to protect it.

Detaching the Speaker Unit from a Pico RITE Hearing System



- 1 Hold the instrument firmly with one hand, and with the other hand hold the multi tool. Place the pointed end of the tool underneath the locking snap and push it up until the connector plug is free.



- 2 Gently pull the connector plug out of the socket. If it does not come out easily, verify that the snap is completely free.



Do not attempt to detach the speaker unit by pulling on the wire. This could damage both the speaker unit and the hearing instrument.

60- and 85-Speaker Units

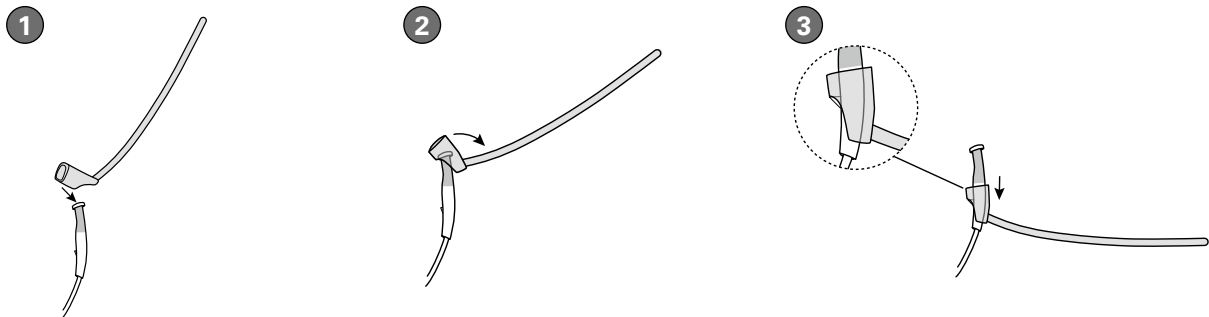
The 60- and 85-Speaker units are suitable for mild to moderately severe losses and come in four lengths. They can be used for instant and custom fittings.

To obtain a more secure hold in the ear canal, an ear grip should be used. There are two different types of ear grips: one for the 60-Speaker and one for the 85-Speaker. Ensure that you apply the proper ear grip with the corresponding speaker.

If the ear grip seems too long, it may be trimmed to the desired length. Be careful not to leave a sharp end when cutting since this could cause irritation on the skin.

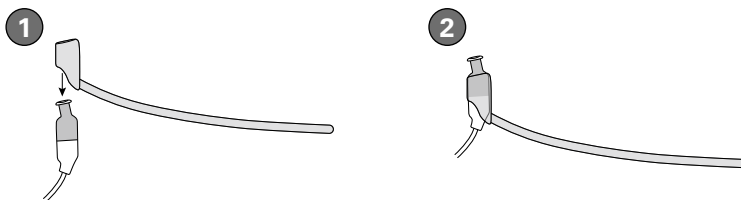
Attaching the Ear Grip to the 60-Speaker

- 1 Bring the tip of the speaker close to the ear grip opening
- 2 Push the speaker through the opening
- 3 The left/right marking on the speaker unit must be completely uncovered



Attaching the Ear Grip to the 85-Speaker

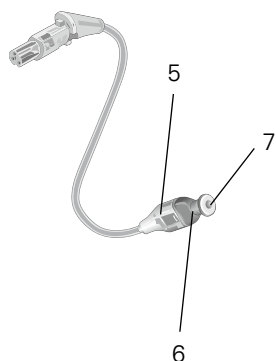
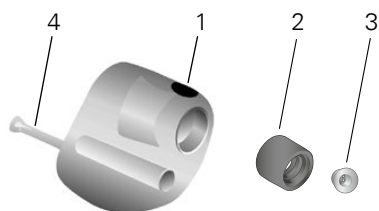
- 1 Bring the tip of the speaker close to the ear grip opening
- 2 Push the speaker through the opening as far as possible



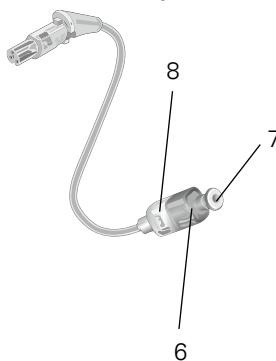
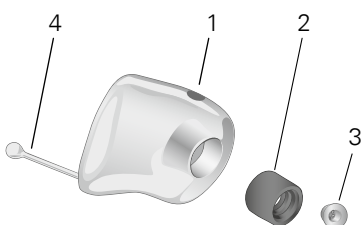
Custom Molds for the 60- and 85-Speaker

For custom fittings, two different types of molds can be attached to the 60- and 85-Speaker, the Micro Mold and the Lite Tip. Both come with an adapter already inserted, colored red (right) or blue (left) to indicate which ear. The color dot on the top of the custom mold indicates the front and top position in the ear canal.

Micro Mold



Lite Tip

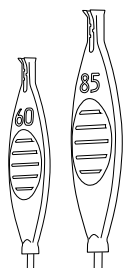


- 1 Front-top indicator
- 2 Speaker adapter
- 3 ProWax filter
- 4 Pull-out string
- 5 60-Speaker
- 6 Left/Right indicator
- 7 ProWax miniFit filter
- 8 85-Speaker



A custom mold built for one type of speaker unit, cannot be attached to another one.

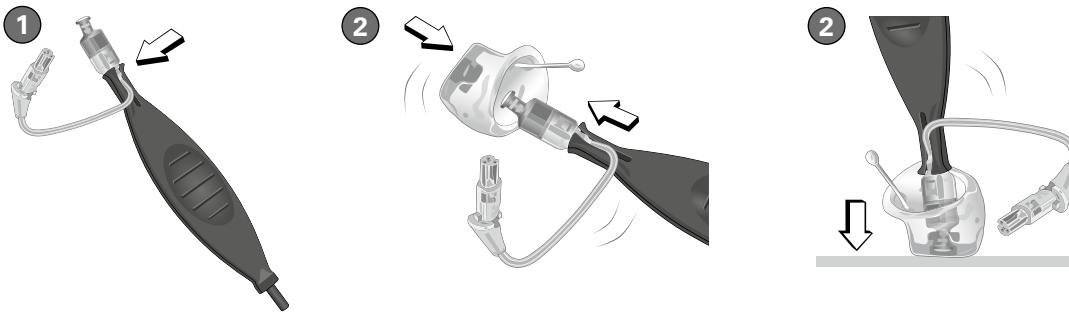
Tools for Custom Molds



There are two separate tools that can be used to attach and detach the 60- and 85-Speaker. A marking on the tool indicates for which speaker type it is intended.

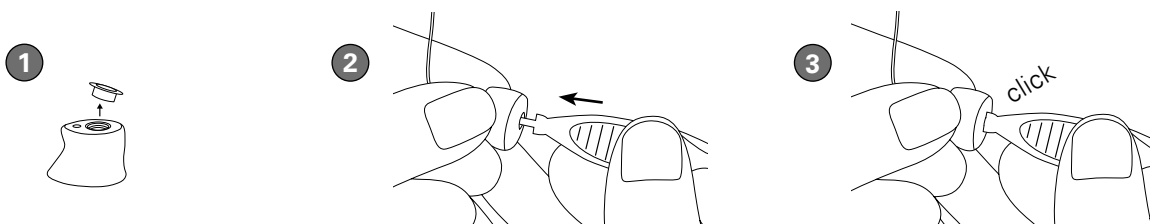
Attaching the Lite Tip and the Micro Mold to the Speaker Unit

- 1 Use the tool which is appropriate for the speaker. Place the receiver into the cup pin of the tool and push the wire into the groove to obtain a stable attachment. The curve of the speaker and the tool should face the same direction. Make sure that the ProWax miniFit is on the receiver (refer to page 16).
- 2 Before inserting the receiver into the mold, turn the receiver so that the wire and “up” marking on the mold are properly aligned. Carefully center the receiver in the middle of the adapter before pushing it in. Insert the receiver into the Custom Mold. Place the mold against the table and push the receiver firmly in place. Gently pull the wire to make sure that the speaker is inserted properly. Cover the sound outlet with a ProWax filter.
- 3 Make sure that the mold sits correctly in the patient’s ear and check the position of the wire. If necessary, the wire is bendable by heating.



Detaching the Lite Tip and the Micro Mold from the Speaker

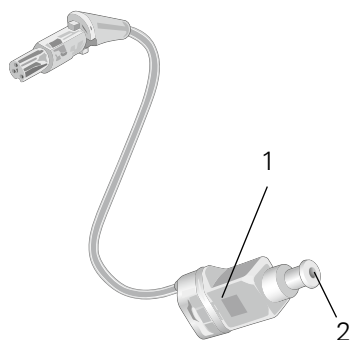
- 1 Remove the ProWax from the Custom Mold (refer to page 16)
- 2 Press the pointed end of the tool into the mold to release the speaker unit while firmly holding the mold
- 3 Push the tool into the mold. The mold will disengage with a click.



100-Speaker Unit for Power Fittings

The 100-Speaker unit is intended for severe hearing losses. This speaker comes in two versions: one version is for instant fittings and one version is for custom fittings.

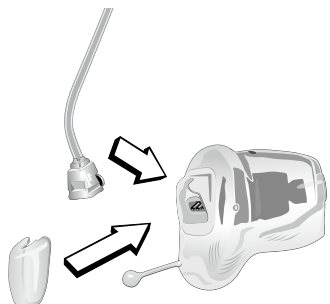
100-Speaker for Instant Fittings with Domes



- 1 100-Speaker unit
- 2 Sound outlet with ProWax miniFit

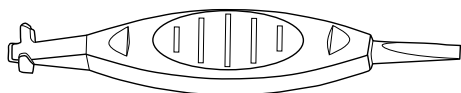
Refer to page 6 to see which types of domes can be used to fit the 100-Speaker unit.

100-Speaker for Custom Fittings



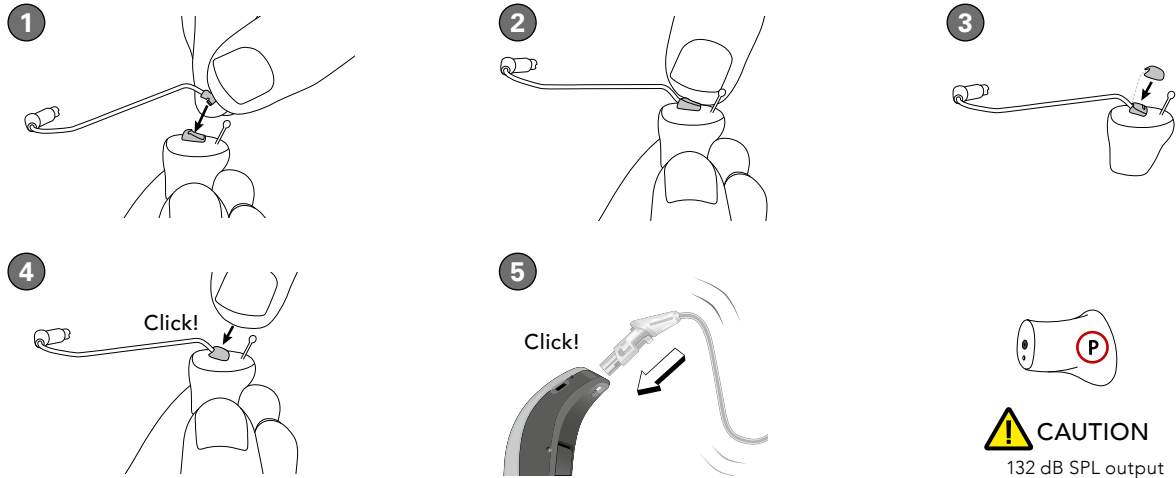
The 100-Speaker for custom fittings comes pre-attached in a custom Power Mold that fits the ear canal. The wire is attached separately to the mold in the appropriate length. To choose the appropriate speaker wire length, refer to page 8. The wire can be replaced via a connector system on the Power Mold faceplate.

A specific tool should be used to attach and detach the wire from the Power Mold.



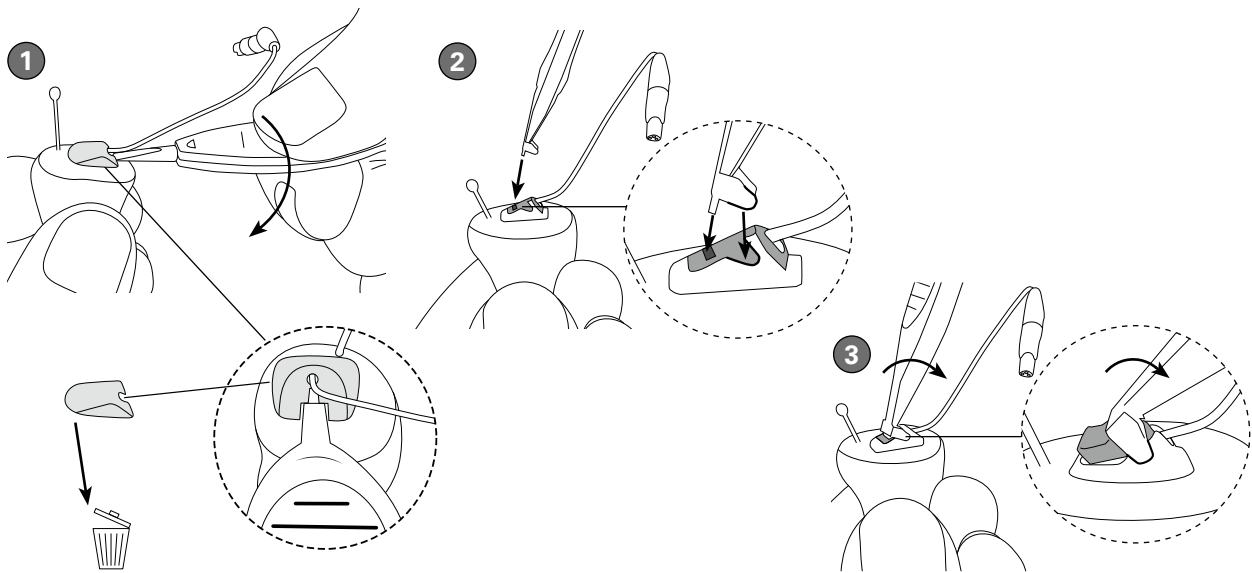
Attaching the Wire to the Power Mold

- 1 Plug the wire into the Power Mold connector
- 2 Slightly press with the thumb, to stabilize the connection
- 3 Put the cover on
- 4 Press with the thumb until it clicks
- 5 Connect the complete assembly to the hearing instrument



Detaching the Wire from the Power Mold

- 1 Remove the cover by very gently sliding the special screwdriver-like blade of the tool between the wire and the faceplate and then apply a slight upwards pressure
- 2 Insert the other end of the tool into the notch which is on the connector, making sure that the tool is attached firmly
- 3 Gently rotate the tool in the direction of the arrow until the wire comes apart from the connector



Changing the Wax Filters

Wax Protection

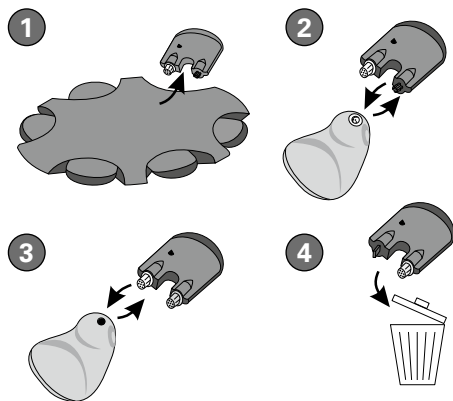
The Pico RITE hearing instrument offers two types of wax filters, the **ProWax** and the **ProWax miniFit**.

For an overview on the use of these filters, refer to page 6.

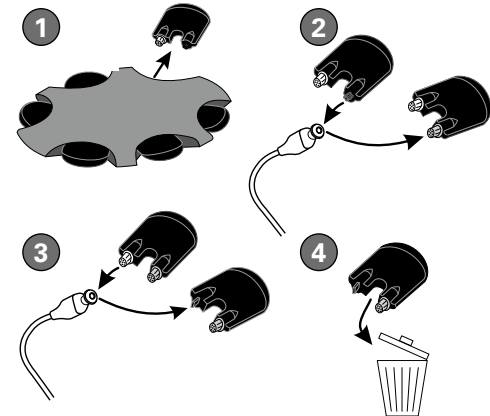
The wax filters should be changed as needed, to ensure efficient wax protection, and to prolong the life of the speaker unit. Visually inspect the filters. If they are clogged or there is no sound coming from the device, replace them.

- 1 Remove a tool from the turtle
- 2 Insert its empty end into the old filter and pull it out
- 3 Push a new filter into the sound outlet
- 4 Discard the used tool. It cannot be reused.

ProWax



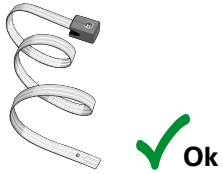
ProWax miniFit



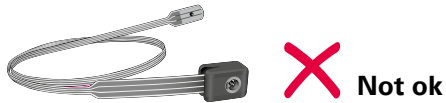
Fitting a Pico RITE with Oasis

Pico RITE hearing systems are programmed with Oasis 20.0 or higher software, standard (no. 2) programming cables and the FlexConnect strip.

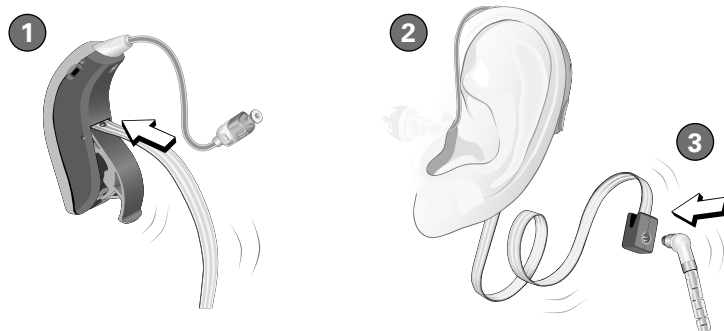
Use FlexConnect



Do not use FlexConnect Mini



- 1 Always insert a fresh battery prior to programming. Open the battery drawer slightly. With the black dot facing up, insert the end of the FlexConnect into the space between the battery door and the hinge until the black dot touches the housing. Close the drawer.
- 2 Place the instrument in the client's ear
- 3 Plug the programming cable into the FlexConnect strip



For your convenience, the wireless Pico RITE hearing instrument is compatible with the nEARcom wireless programming system.

Ordering Information

60-Speaker Units

Part Number	Description	Comments
149271	Speaker Unit, 1R 60	For instant and custom fittings
149272	Speaker Unit, 1L 60	
149273	Speaker Unit, 2R 60	
149274	Speaker Unit, 2L 60	
149275	Speaker Unit, 3R 60	
149276	Speaker Unit, 3L 60	
149277	Speaker Unit, 4R 60	
149278	Speaker Unit, 4L 60	



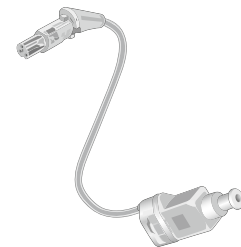
85-Speaker Units

Part Number	Description	Comments
149279	Speaker Unit, 1L 85	For instant and custom fittings
149280	Speaker Unit, 1R 85	
149281	Speaker Unit, 2L 85	
149282	Speaker Unit, 2R 85	
149283	Speaker Unit, 3L 85	
149284	Speaker Unit, 3R 85	
149285	Speaker Unit, 4L 85	
149286	Speaker Unit, 4R 85	



100-Speaker Units

Part Number	Description	Comments
149287	Speaker Unit, 1L 100	For instant fittings
149288	Speaker Unit, 1R 100	
149289	Speaker Unit, 2L 100	
149290	Speaker Unit, 2R 100	
149291	Speaker Unit, 3L 100	
149292	Speaker Unit, 3R 100	
149293	Speaker Unit, 4L 100	
149294	Speaker Unit, 4R 100	



100-Speaker Wires

Part Number	Description	Comments
149302	Wire for speaker, 1L	For custom fittings
149301	Wire for speaker, 1R	
149300	Wire for speaker, 2L	
149299	Wire for speaker, 2R	
149298	Wire for speaker, 3L	
149297	Wire for speaker, 3R	
149296	Wire for speaker, 4L	
149295	Wire for speaker, 4R	



Domes

Part Number	Description	Comments
149303	Open Dome miniFit 6 mm	Open Domes
149304	Open Dome miniFit 8 mm	Clamshell including 10 domes
149305	Open Dome miniFit 10 mm	
149306	Bass Dome Double miniFit 6 mm	
149307	Bass Dome Double miniFit 8 mm	Bass Domes with double vent
149308	Bass Dome Double miniFit 10 mm	Clamshell including 10 domes
149309	Bass Dome Double miniFit 12 mm	
149310	Bass Dome Single miniFit 6 mm	Bass Domes with single vent
149311	Bass Dome Single miniFit 8 mm	
149312	Bass Dome Single miniFit 10 mm	
149313	Bass Dome Single miniFit 12 mm	Clamshell including 10 domes
149314	Power Dome miniFit 6 mm	
149315	Power Dome miniFit 8 mm	Power Domes
149316	Power Dome miniFit 10 mm	Clamshell including 10 domes
149317	Power Dome miniFit 12 mm	






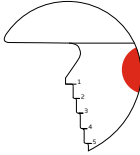





Wax Filters

Part Number	Description	Comments
130091	ProWax miniFit filter. Turtle with 6 filters each. Hydrophobic coating.	To be attached onto the <ul style="list-style-type: none"> • 60-Speaker • 85-Speaker • 100-Speaker
123459	ProWax filter. Turtle with 6 filters each. Hydrophobic coating.	To be attached onto custom earmolds



Tools

Part Number	Description	Comments	
127816	Tool, Lite Tip/Micro Mold 60-Speaker	To attach and detach the 60-Speaker to a custom mold	
126977	Tool, Lite Tip/Micro Mold 85-Speaker	To attach and detach the 85-Speaker to a custom mold	
143070	Tool, for plug	To unplug the wire from the 100-Speaker Power Mold	
890-60-232-00	Multi-tool	Tool with vent cleaner, screwdriver, magnet for battery change	
890-60-320-00	Multi-tool, extension	To detach the speaker from the Pico RITE hearing instrument. To be used with the Multi-tool.	
890-21-291-00	Measurement tool for speaker wire lengths		
127908	Set of 3 covers, Transparent		
127909	Set of 3 covers, Beige		
127910	Set of 3 covers, Light Brown		
127911	Set of 3 covers, Medium Brown	For 100-Speaker Power Mold	
127912	Set of 3 covers, Dark Brown		
127913	Set of 3 covers, Black		
149876	Ear Grip, 60-Speaker (5 pcs) miniFit		
149877	Ear Grip, 85-Speaker (5 pcs) miniFit	Plastic bags with 5 pieces	

Speaker Kits

Part Number	Description	Comments
149445	Fitting Kit, miniFit speakers Bernafon	<p>Fitting Kit for miniFit speakers contains:</p> <ul style="list-style-type: none"> • 60-Speakers (lengths 2 and 3) • 85-Speakers (lengths 2 and 3) • Open domes • Bass domes • Tools

Notes

Notes

Lined area for taking notes, consisting of multiple horizontal dotted lines.

Since 1946, we have been passionate about developing quality hearing systems that enable people with hearing difficulties to enjoy authentic listening experiences. With Swiss Engineering, precision technology, and our commitment to individual service, we strive to exceed our customer's expectations. Our aim is to provide extra value to our partners every day. Bernafon representatives and employees in over 70 countries fulfill our vision to help people with impaired hearing communicate again without limitation.

Manufacturer:

Bernafon AG
Morgenstrasse 131
3018 Bern
Switzerland
www.bernafon.com

Local Manufacturer

& Distributor:
Bernafon Canada
500 Trillium Drive, Unit 15
Kitchener, ON, N2R 1A7
www.bernafon.ca

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