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Technical Manual

RS DUNDEE RIE Platform,BTE

GN Making Life Sound Better

GN ReSound A/S
Global Technical Operations
https://gto.gnresound.com
Lautrupbjerg 7
DK-2750 Ballerup
Denmark

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Important notes:
If the HI is disassembled, a DSA test must be performed after reassembly to ensure that HI works according to specifications

Also note that disassembly/reassembly of the HI are only allowed in ESD protected environment

Platform DUNDEE RIE C6	Product	Model	DATA SHEET
Wireless programming & HI test Integrated Batt - rechargeable	NEXIA 	NX960S-DRWC NX760S-DRWC NX560S-DRWC NX460S-DRWC	402383000 STD REC 402384000 M&RIE REC
		CX160S-DRWC (CROS)	402397000

The HIs are available with 4 selectable receiver power levels: Low Power (LP), Medium Power (MP), High Power (HP) & Ultra Power (UP). The HI fits SureFit 3, 8 pin rec tubes and the SureFit 3, 8 pin rec M&RIE tubes. If the HI is disassembled, a DSA test must be performed after reassembly to ensure that HI works according to specifications. Also note that disassembly/reassembly of the HI are only allowed in ESD protected environment

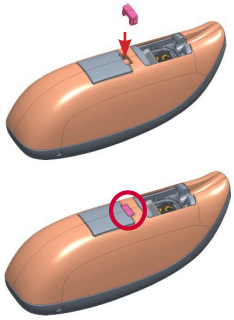
See also Data Sheets for more tech info

HIs are available in these colours:
Gold (GLD),Warm Grey (WRM GRY),Espresso (ESP),Deep Black (DP BLK),Bronze (BRNZ),Champagne (CHMPN),Sparkling Silver (SPK SIL),Graphite (GRPH)

Description	Part No
PIN,0.60X7.25 (TOP HSG BAT end)	16059800
PIN,0.60X4.30 mm (TOP HSG sound end)	17932500
CLEANING BRUSH, BLK	17435000
KIT,COLOR MARKERS,CRHI	20992600
COLOR MARKER,CRHI,MLD,RED	20420900
COLOR MARKER,CRHI,MLD,BLU	20420901

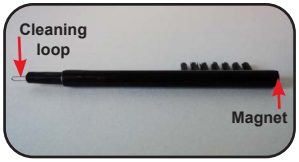
Description	Part No
PB,DUNDEE,SOFT	22603000
SEALING SKT,NG8,MLD	20674800
PIN REMOVAL TOOL. PACKED (white tool)	15502500
AUTOPHONE MAGNETS	17294600
KIT,REC CHANGE TOOL,SF3 (tool & guide)	21944100

If the HI is disassembled, a DSA test must be performed after reassembly to ensure that HI works according to specifications. Also note that disassembly / reassembly of the HI are only allowed in ESD protected environment



Colour mrk location
(red circle)

Cleaning brush, black
17435000

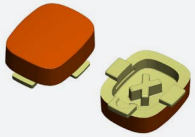


REC CHANGE TOOL
(shown from both sides)

PB,DUNDEE,SOFT
22603000
to be placed in TOP HSG
(between PB and module)

SEALING SKT,NG8,MLD
20674800
to be placed in BOT HSG

PIN REMOVAL TOOL
15502500

COLOUR	PB	TOP HSG ASM	BOT HSG
			
GOLD	22907170	22623170	22907270
WARM GREY	22907171	22623171	22907271
ESPRESSO	22907172	22623172	22907272
DEEP BLACK	22907173	22623173	22907273
BRONZE	22907174	22623174	22907274
CHAMPAGNE	22907175	22623175	22907275
SPARKLING SIL	22907176	22623176	22907276
GRAPHITE	22907177	22623177	22907277

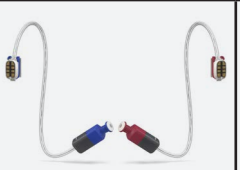
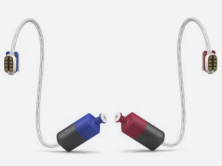
TOP HSG,mic filters,LightGuide,
PB & soft PB cover

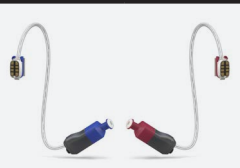
If the mic filters are damaged (placed inside the TOP HSG), the complete TOP HSG must be replaced

If the HI is disassembled, a DSA test must be performed after reassembly to ensure that HI works according to specifications

Also note that disassembly / reassembly of the HI are only allowed in ESD protected environment

All HSG parts are nano coated

	SUREFIT 3 (8 pin)		
SIZE	LP	MP	HP (SF3B)
			
0L	21384100	21385100	21879200
0R	21384200	21385200	21879201
1L	21384300	21385300	21879202
1R	21384400	21385400	21879203
2L	21384500	21385500	21879204
2R	21384600	21385600	21879205
3L	21384700	21385700	21879206
3R	21384800	21385800	21879207
4L	21384900	21385900	21879208
4R	21385000	21386000	21879209

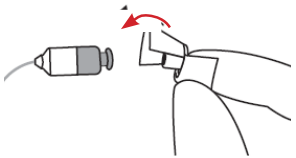
	SUREFIT 3 M&RIE (8 pin) Rec with mic attached	
SIZE	SF3B	SF3C
		
0L	21878800	22406500
0R	21878801	22406501
1L	21878802	22406502
1R	21878803	22406503
2L	21878804	22406504
2R	21878805	22406505
3L	21878806	22406506
3R	21878807	22406507
4L	21878808	22406508
4R	21878809	22406509

M&RIE SF3C vers is introduced with another filter:

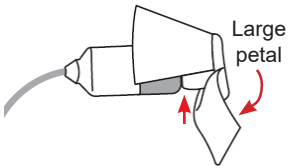
SF3B M&RIE - filters included:
20439700 FILTER,GN WAXGUARD,BOX,8PCS
21536500 MIC FILTER,M&RIE,BAG,8PCS

SF3C M&RIE - filters included:
20439700 FILTER,GN WAXGUARD,BOX,8PCS
22035700 FILTER,MIC,CASE,8PCS

SUREFIT (SF3) - STD, OPEN & CLOSED DOMES (light grey)		
Description		**Bag (10 pcs)**
DOME,REC,STD,BAG,10PC		21432300
DOME,OPEN,REC,SM,BAG,10PC		21432400
DOME,OPEN, REC,MDM,BAG,10PC		21432500
DOME,OPEN, REC,LGE,BAG,10PC		21432600
DOME,CLOSED,REC,SM,BAG,10PC		21432000
DOME,CLOSED,REC,MDM,BAG,10PC		21432100
DOME,CLOSED,REC,LGE,BAG,10PC		21432200
SUREFIT (SF) - POWER DOMES		
Description		**Bag (10 pcs)**
DOME,PWR REC,SM,BAG,10PC		21432700
DOME,PWR REC,MDM,BAG,10PC		21432800
DOME,PWR REC,LGE,BAG,10PC		21432900

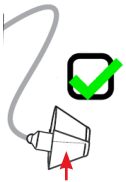


Push the largest petal back, then press the STD/tulip dome over the ribbed end of the rec tube



The dome must be correct mounted. Check that the collar completely covers the ribbed end rec tube. Push the large petal forward

Ensure that the large petal on the STD (tulip) dome is outside the small petal

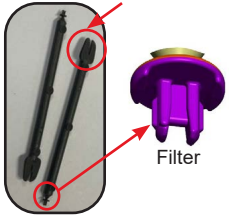


Large petal

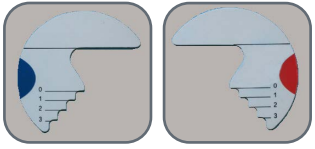
Description	Part No
FITTING KIT,M&RIE,SF3B	22125800
FITTING KIT,M&RIE,SF3C	22466000
MIC FILTER,M&RIE,BAG,8PCS (SF2B)	21536500
FITTING KIT,REC,SF3B	21997400
FILTER,MIC,CASE,8PCS (SF3C M&RIE)	22035700
FILTER,GN WAXGUARD,BOX,8PCS (SF3B&C M&RIE & SF3 REC TUBES)	20439700
MEASUREMENT TOOL,MINI BTE	15200800
SPORT LOCK,SF3 LP,BAG,10	21410800
SPORT LOCK,SF3 MP,BAG,10	21410900
SPORT LOCK,SF3 HP,BAG,10	21411000
SPORT LOCK,SF3 M&RIE,BAG,10	21502600

FILT,MIC,CASE,8PCS
22035700
SF3C M&RIE

FILT,GN WAXG,BOX,8PCS
20439700
SF3B&C M&RIE/SF3 REC TUBES



MIC FILTER,M&RIE SF3B (8pcs)
21536500

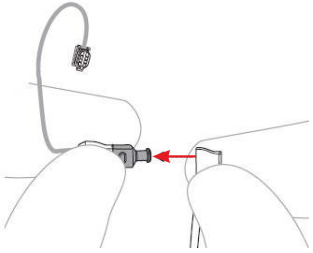


MEASUREMENT TOOL
(for both L & R sides)
15200800

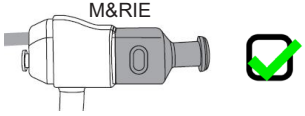
Sports lock to be mounted as shown:

Sports lock
sizes LP/MP/HP available

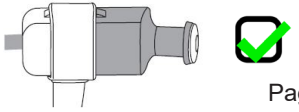
Sports lock
M&RIE



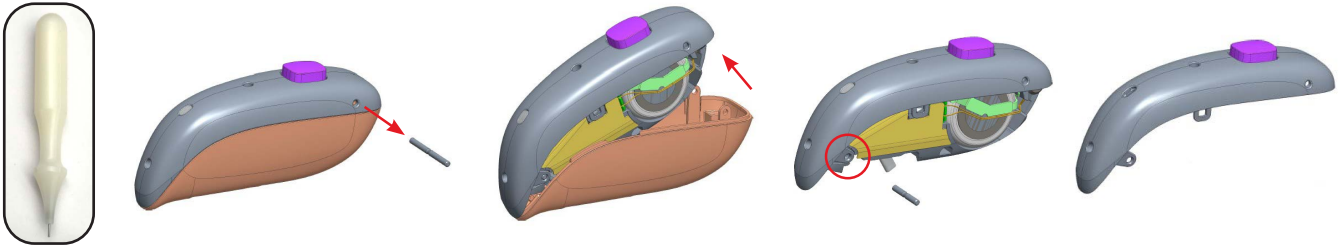
Sports lock
M&RIE



Sports lock
LP/MP/HP

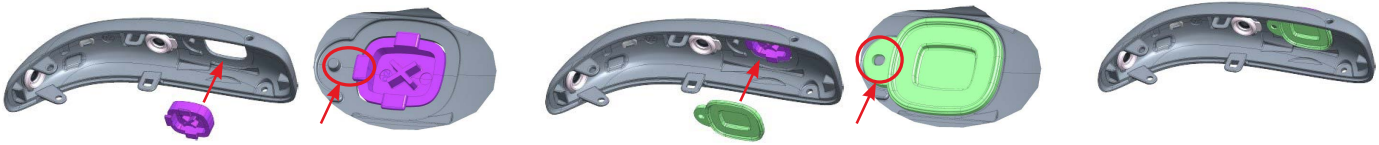


PIN REMOVAL TOOL
15502500



Remove the pin located in the BAT end of the HI using a pin removal tool. Pull the pin complete out using a tweezers. Gently lift off the TOP HSG and module from the BOT HSG as shown. Remove the pin located in the sound outlet end of the HI using a pin removal tool. Pull the pin complete out using a tweezers. The TOP HSG can now be separated from the module

How to mount PB and soft PB cover in TOP HSG



Push the PB into the hole in the TOP HSG. Note that it is not held in place by anything. Make sure it is correct positioned with the small tap on the PB pointing towards the short pin in the TOP HSG. Mount the soft PB cover as shown. The part will only be held slightly in place by the short pin in TOP HSG

Important notes:
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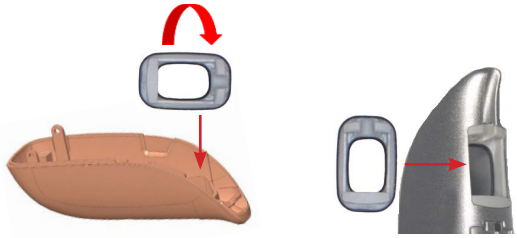
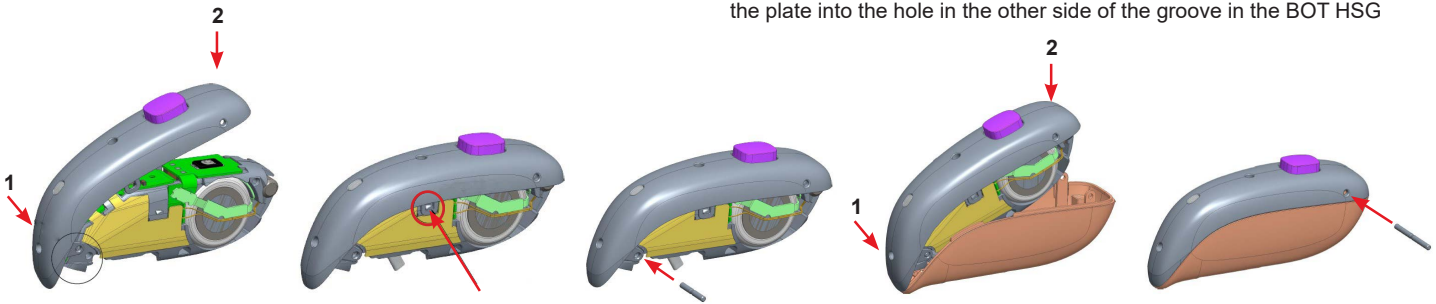


How to mount the SEALING SKT,NG8:
Flip the sealing socket around and insert it into the BOT HSG. Make sure the sealing is turned and positioned the right way

It will only be held in place by the friction between HSG BOT and the sealing socket

The ID plate is not a spare part. If the BOT HSG is damaged and needs to be replaced, the ID plate must therefore be moved from damaged BOT HSG and transferred to the new BOT HSG

Press the tap on the side of the ID plate into the hole in the side of the groove in the BOT HSG. Gently press the other side of the ID plate with e.g. your thumb to bend the ID plate a tiny bit to be able to snap the plate into the hole in the other side of the groove in the BOT HSG

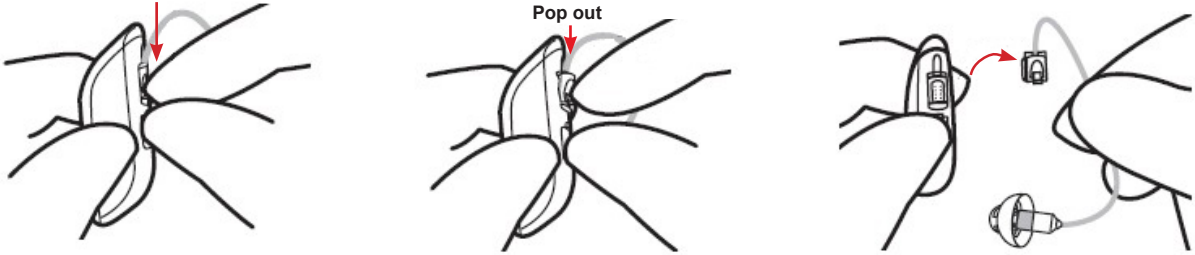


Reassembling: Mount the TOP HSG to the module by starting with the sound outlet end of the HI and then the BAT end as also shown. Make sure that the TOP HSG taps are in correct pos on the module (red circles). Push in the pin using a tweezers. Gently slide in the TOP HSG with module to the BOT HSG

Important notes:
If the HI is disassembled, a DSA test must be performed after reassembly to ensure that HI works according to specifications. Also note that disassembly/ reassembly of the HI are only allowed in ESD protected environment

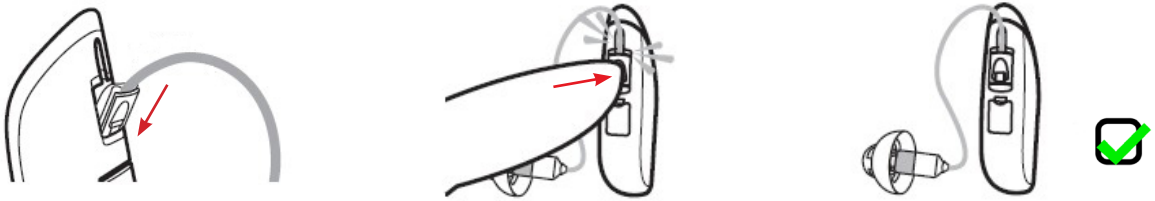
Remove the rec

Use either the removal procedure described here or use the rec removal tool - see instr in the guide enclosed rec removal tool kit



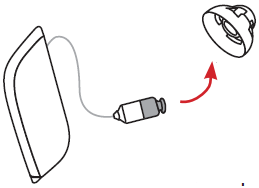
Start removing the receiver by pushing down with a fingernail on the red or blue receiver lock. The receiver lock will unlock the receiver and it will pop out. Pull the receiver away from the HI

Connect the rec

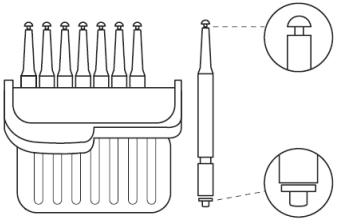


Connect a new receiver by sliding it into the HI as shown. Press to click it in place using e.g. a finger. Check that the rec is correct in place

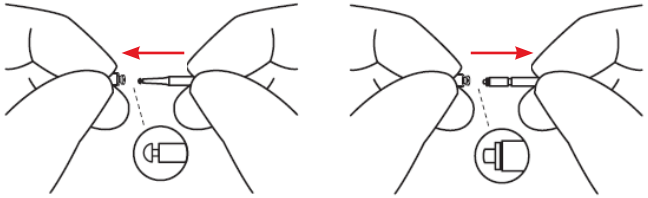
Remove the used wax filter:



If a dome is mounted, remove it before starting replace the wax filter

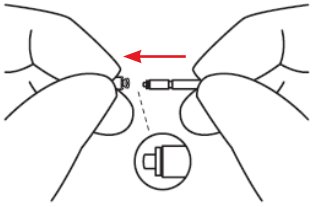


Box of 8 wax filter tools. The wax filter tool has two functions:
A removal tip to collect the used filter, and a replacement tip with a new filter

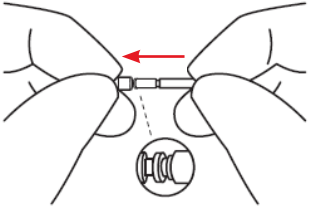


Insert the removal tip into the used wax filter and then pull the tool straight out. It is important to pull it straight and not on an angle

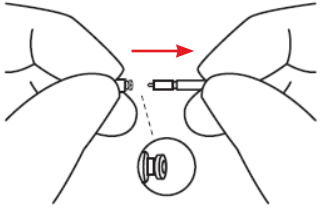
Insert the new wax filter:



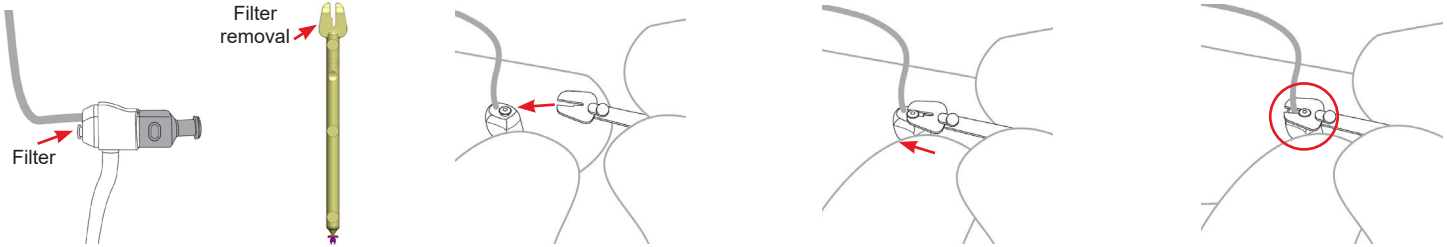
Insert the other end of the tool into the sound outlet (the end with the replacement filter)



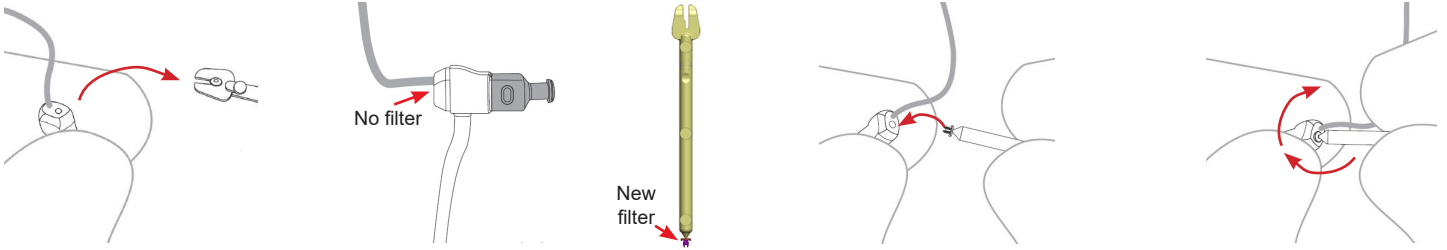
Gently press the replacement filter straight into the sound outlet until the outer ring is touching the sound outlet



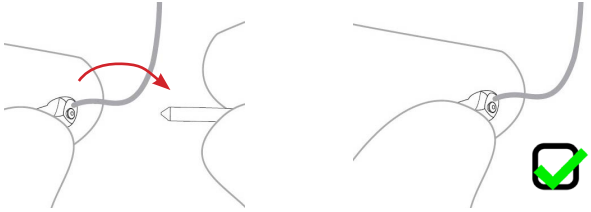
Pull the tool straight out – your new wax filter will remain in place. Re-attach your dome or a replacement dome



Locate the mic filter at the back of the rec tube. Use the filter removal end of the mic filter pin to remove the defective filter (p/n 21536500 MIC FILTER,M&RIE,BAG,8). Make sure the pin is pushed all the way in to get the best grip on the defective filter (see red circle)



Pull back the pin with the defective filter. In the other end of the filter pin, the new filter is attached. Push it into the hole/mic sound inlet. Make sure the filter is correct in place. Turn the pin clockwise until the new filter is released



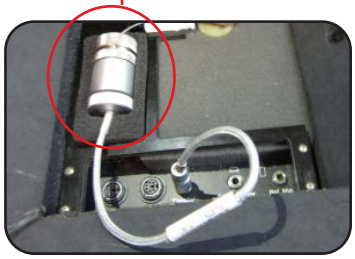
Pull back the pin. Check that the filter is correct in place

The remaining part of the Technical Manual is for internal GN operations only

Description	Part No
NOAHLINK WL CPD-1	20310800
FOAM,LUXOR RHI	20878000
FRAME (BLK test frame for ATC4000/TBS25 sound chamber)	16902800
TEST JIG,CAMB RHI&13&DUNDEE (DSA6000 & DSA7000)	21570100
ASM TEST REC UP SF3,DSA6000	21571500
DSA ADAPTOR	20011800
THREAD CAP	20011900
RUBBER WASHER (DSA6000 & DSA7000 test rec)	20012000
CONE RECEIVER,SF3,DSA6000	21571300

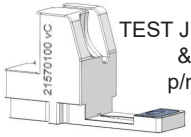
COUPL MIC,TM-12,
MEASURED
p/n 18220700

FOAM,LUX RHI
p/n 20878000
support for
test rec & coupler

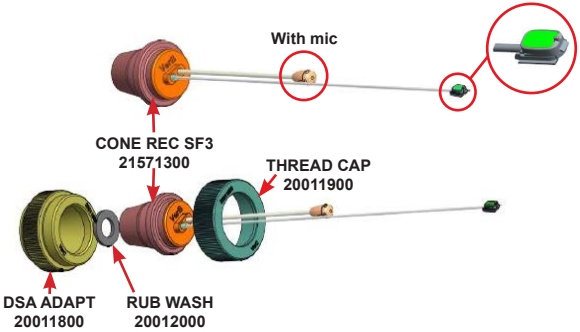


NOAHLINK WL CPD-1
p/n 20310800

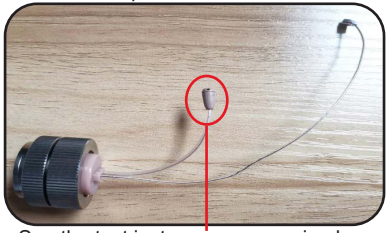
2cc coupler
p/n 30-4838800 can
be ordered with GTO
Dept / HQ DK



TEST JIG,CAM RHI&13
& DUNDEE
p/n 21570100



ASM TEST REC UP SF3,DSA6K
p/n 21571500



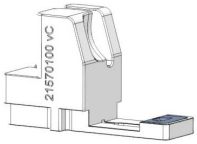
See the test instr page concerning how
to place the mic correct on the test jig

Description	Part No
NOAHLINK WL CPD-1	20310800
FOAM,LUXOR RHI	20878000
FRAME (BLK test frame for ATC4000/TBS25 sound chamber)	16902800
TEST JIG,CAMBRIDGE RHI&13&DUNDEE (DSA6000 & DSA7000)	21570100
2CC COUPLER SET,RA0038,DSA7K	22254900
TEST MIC,ASM,46AO-S3,DSA7K	22254800
THREAD CAP,GR0316,DSA7K	22296200

NOAHLINK WL CPD-1
p/n 20310800

FOAM,LUX RHI
p/n 20878000
support for
test rec & coupler

TEST JIG,CAM RHI&13
& DUNDEE
p/n 21570100



TEST MIC,ASM
46AO-S3,DSA7K
p/n 22254800

TEST MIC,ASM
46AO-S3,DSA7K
connected with a mic cable
(mic cable CAB-MP35-174-17CM
is coming together with the
DSA7000 analyzer)

THREAD CAP
GR0316,DSA7K
p/n 22296200

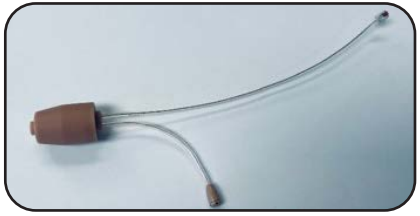
2CC COUPL SET
RA0038,DSA7K
p/n 22254900

BLK test frame
p/n 16902800

Description	Part No
RIE ADAPTOR,DSA7000	22239900
RIE ADAPTOR NUT,DSA7000	22240000
NG8 CONE REC,DSA7000	22240200
RUBBER WASHER (DSA6000 & DSA7000 test rec)	20012000
ASM TEST REC,NG8,DSA7000	22240400

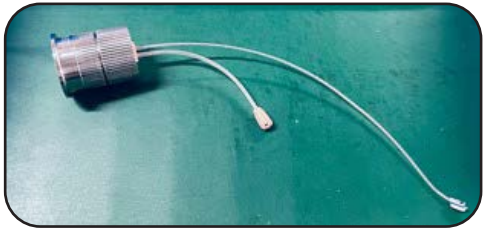
RIE ADAPT,DSA7000
p/n 22239900

RUBBER WASHER
p/n 20012000



NG8 CONE REC,DSA7000
p/n 22240200

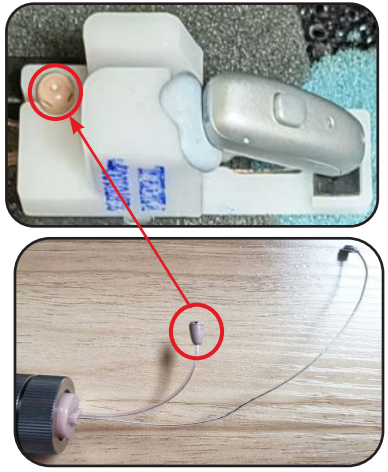
RIE ADAPT,NUT,DSA7000
p/n 22240000



ASM TEST REC,NG8,DSA7000
p/n 22240400

Please also see GTO info doc "GI-01-10-002 – Guide to "WL Only test" - to be found on GTO web https://gto.gnresound.com

Connect the test rec to the HI as shown



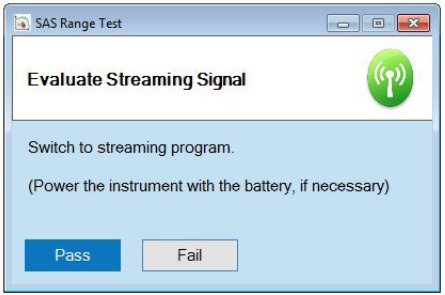
Mount 2cc coupler to the TM12 coupl mic. Attach the test rec to the 2cc coupler and place it in the foam support. Connect the test rec to the HI and attach the HI to the test jig/fixture in the correct position. Attach the jig/fixt to the black test frame and place it all in the test chamber. Make sure to place the test rec mic correct on the test jig before testing. Select the correct test prog and follow instructions coming up on the screen

The wireless range test is a combined DSA6000/ DSA7000 Noahlink/SAS Range Check test using the SAS-3 with its MAC address entered into the DSA 6000/DSA7000 system configuration and a Noahlink mounted directly in any of the DSA units USB ports. No fixture is required performing a wireless range test

NOAHLINK

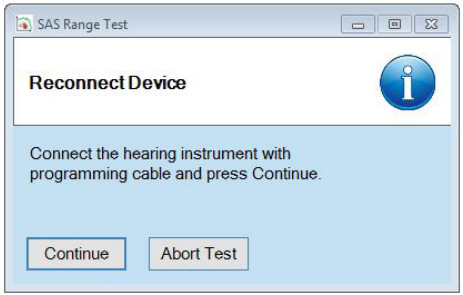
How to get the MAC address of the SAS: It is not directly available in the STD version. SAS streamers with MAC address labeled on the HSG can be requested from GTO. Please note that they are not available through regular ordering channels. Please contact HQ / GTO

1



At the end of the test sequence, after all acoustical test are done, the operator will be instructed to remove the HI from the test chamber, insert a battery (if necessary) and evaluate the quality of the streaming signal. If the signal is accepted click Pass. If the operator wish to mark this HI as defective click Fail

2



Regardless if the operator select Pass or Fail the device must be reconnected to the DSA system after evaluation is done