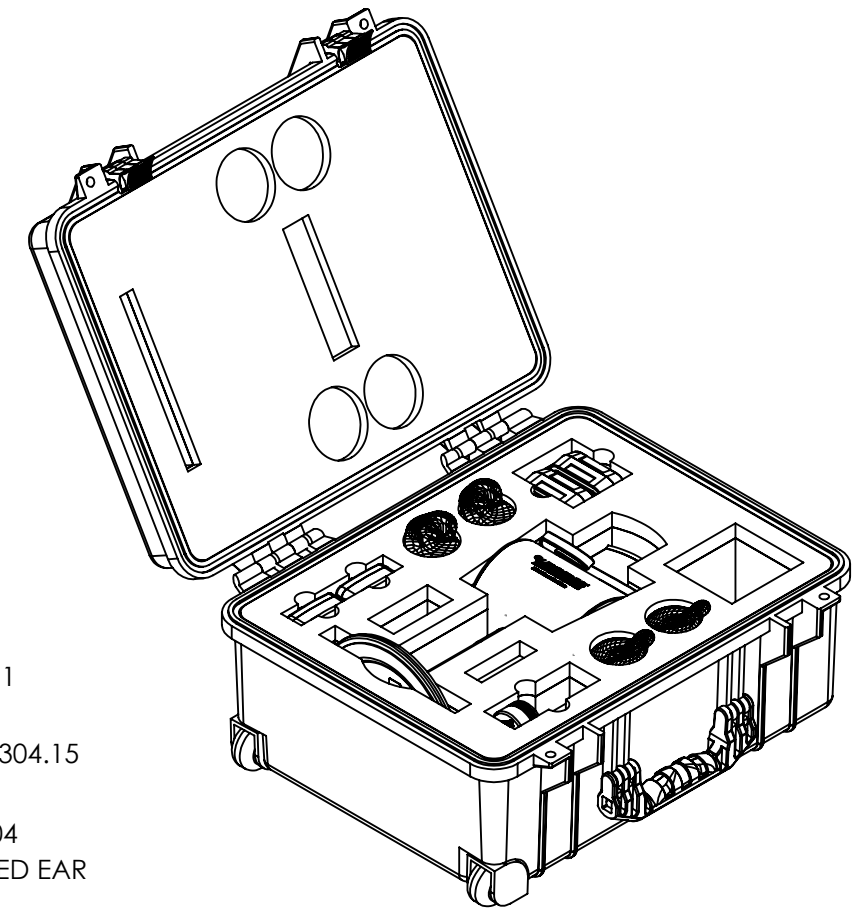
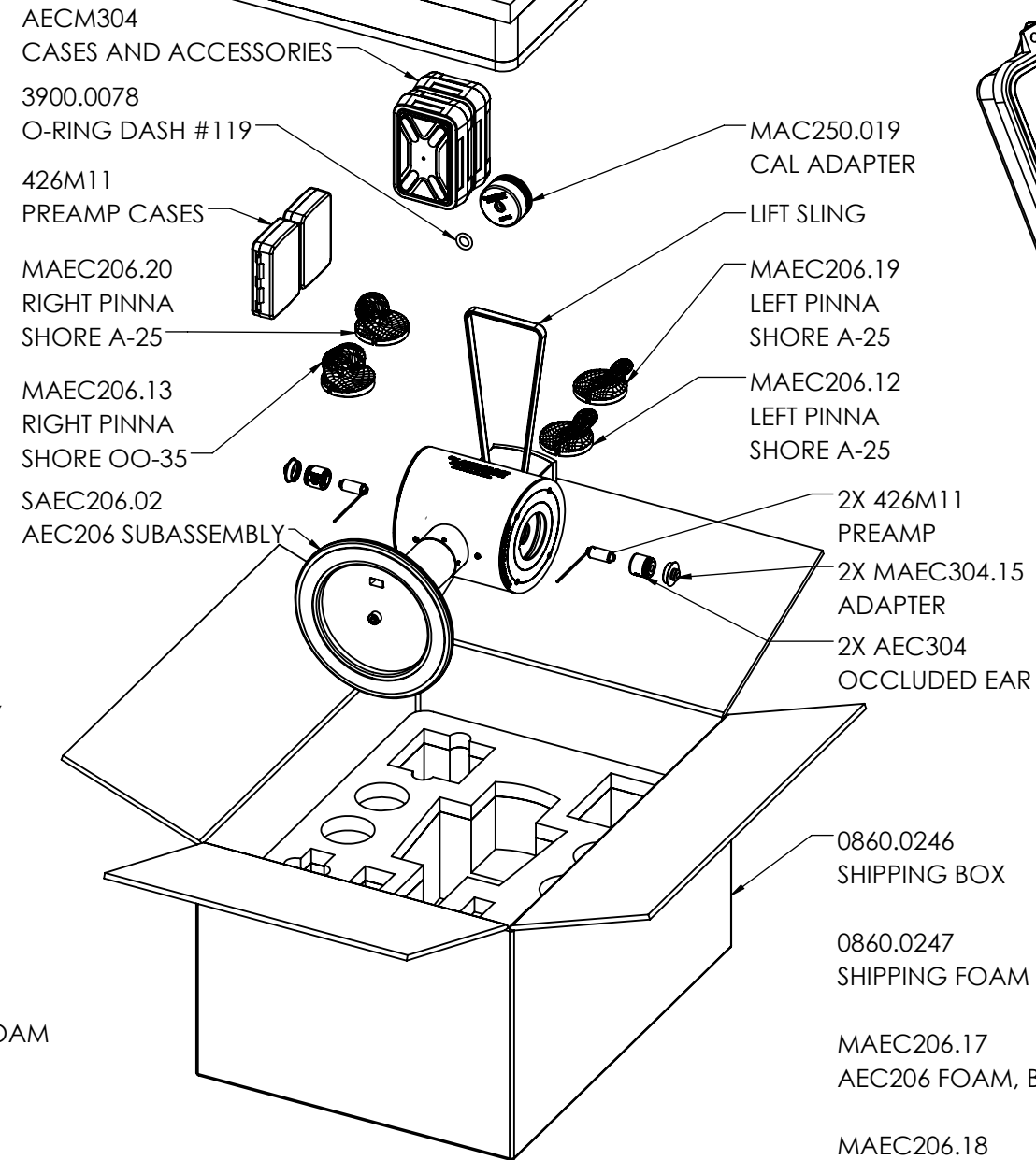
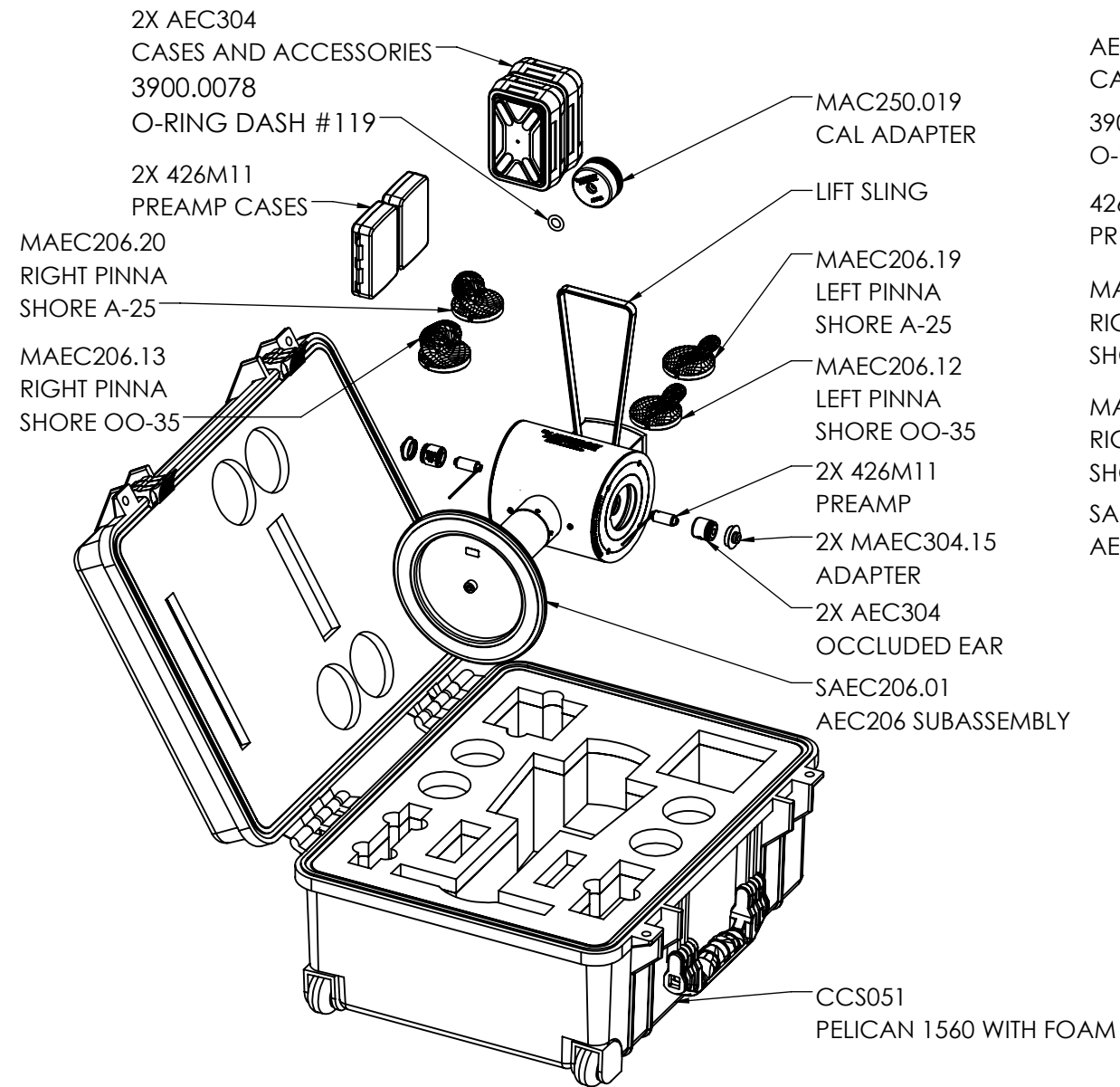


REV.	DESCRIPTION	DATE	BY	ECO
A	INITIAL RELEASE	4/7/2017	D. ANDERSON	4590

AEC206 - Larson Davis Branding
AECM206-H - Audio Precision Branding

AECM206-C - Audio Precision Branding



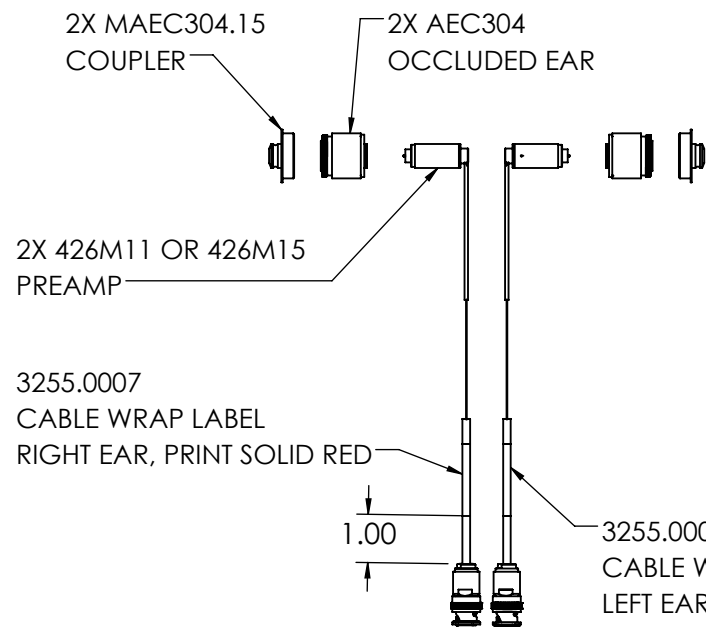
Notes:

1. See BOM as provided by PCB Engineering.
2. All equivalencies must be approved by PCB Engineering.
3. All components and processes must be ROHS compliant.

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COPYRIGHT © PCB PIEZOTRONICS, INC. FILE NAME: AEC206 BINAURAL TEST FIXTURE

AUTHOR
D.ANDERSON
DATE
6/21/2017

 Provo, Utah, USA (801) 375-0177		TITLE	
		Binaural Test Fixture	
SIZE	NUMBER	REV.	
B	AEC206	A	
SCALE 1:8		SHEET 1 OF 4	



STEP 1

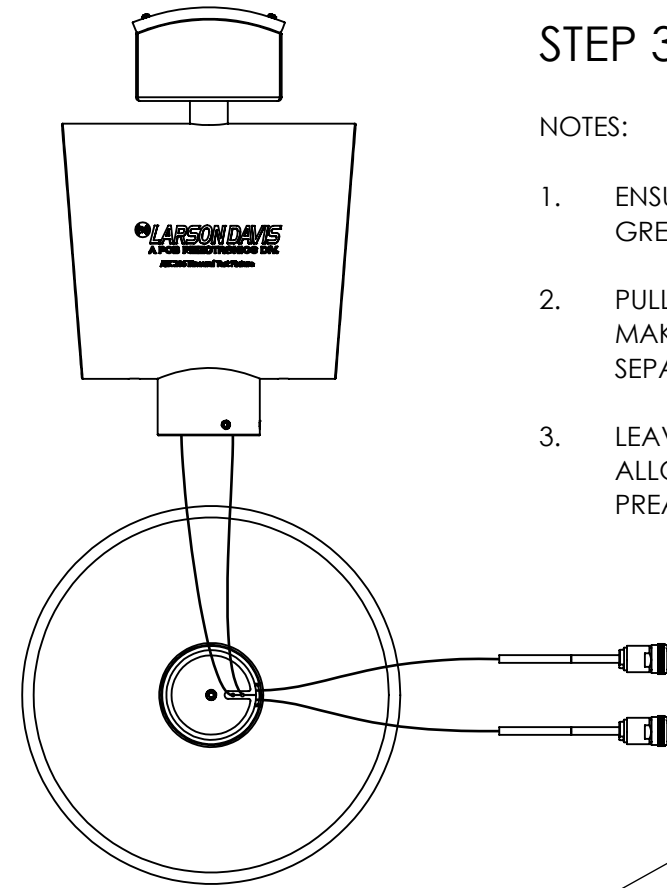
NOTES:

1. MATCH THE PREAMP AND EAR THAT IT WAS CALIBRATED TO. TAKE NOTE OF THE SERIAL NUMBERS TO IDENTIFY WHICH IS RIGHT AND LEFT.
2. ADD THE COUPLER TO THE EAR AND PLACE THE RING AND ADAPTER INTO THE STORAGE CASE FOR THE EAR.
3. USE THE CABLE WRAP LABEL PRINTED SOLID RED AND BLUE TO IDENTIFY A RIGHT AND LEFT CHANNEL PLACE ON THE CABLE 1.00" FROM THE STRAIN RELIEF.

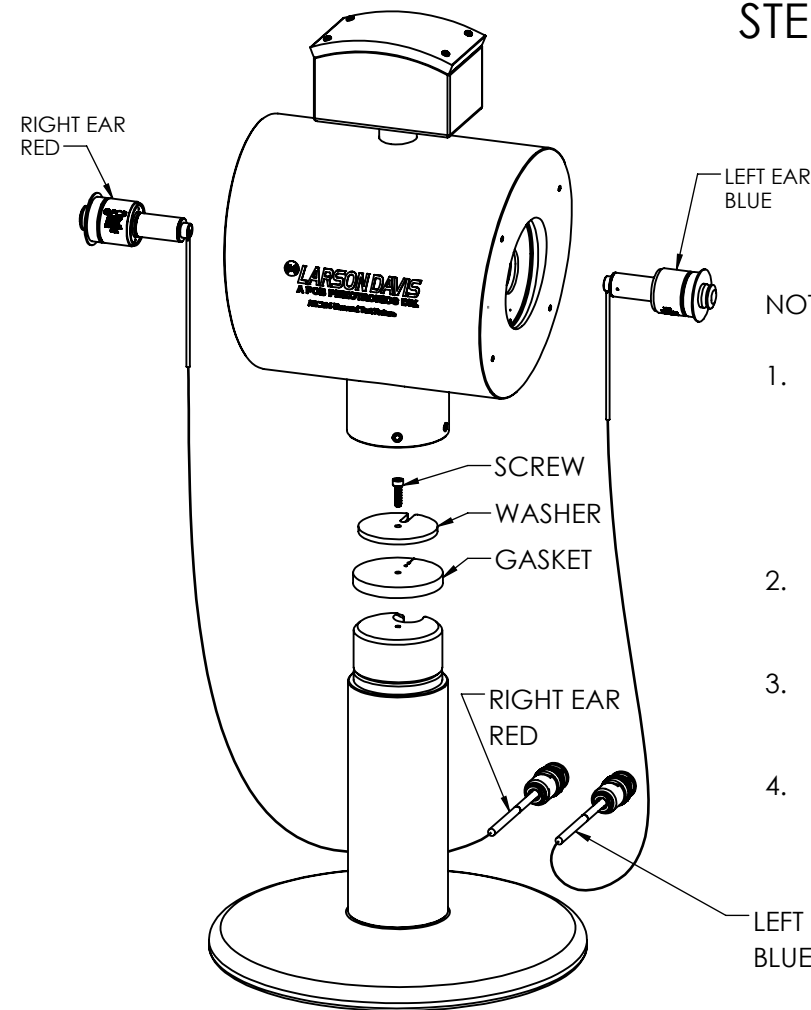
STEP 3

NOTES:

1. ENSURE THE GASKET EDGE IS PROPERLY GREASED.
2. PULL EXCESS CABLE THROUGH THE GASKET AND MAKE SURE THE GASKET EDGE DOES NOT SEPARATE.
3. LEAVE A SERVICE LOOP INSIDE THE HEAD TO ALLOW FOR REMOVAL OF THE HEAD AND THE PREAMP-EAR COMBINATION.



STEP 2



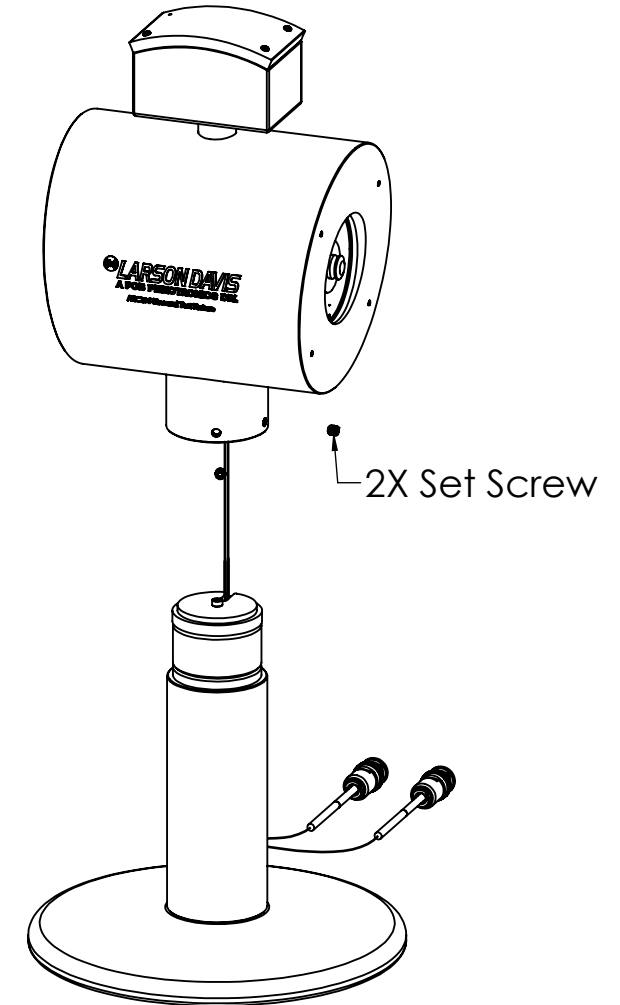
NOTES:

1. ROUTE THE BNC CONNECTOR THROUGH THE HEAD AND OUT THE NECK. MAKE SURE TO PLACE THE CORRECT EAR IN THE RIGHT LOCATION AS SHOWN, THE RED LABEL ON THE RIGHT, THE BLUE LABEL ON THE LEFT.
2. LEAVE THE SET SCREWS IN THE BACK OF THE HEAD LOOSE.
3. INSERT THE CABLES THROUGH THE GASKET. THROUGH HOLES IN THE SLIT, ONE WIRE PER HOLE.
4. PLACE THE GASKET AND WASHER ON THE NECK; TIGHTEN TO 20 oz-in WITH A 2.5mm DRIVER.

STEP 4

NOTES:

1. BE SURE THE CABLING IS NOT IN THE WAY OR IT IS POSSIBLE TO SHEAR THE WIRE.
2. LEAVE A SERVICE LOOP OF ABOUT 5 INCHES OF CABLE INSIDE THE NECK OF THE HEAD.
3. ALIGN THE SLOT OF THE NECK TO THE BACK OF THE UNIT.
4. PUT THE HEAD ON THE NECK ALIGNING THE AXIS. ROCK BACK AND FORTH TO GET THE HEAD TO GO ONTO THE NECK TO ENSURE NO PART OF THE GASKET IS SHEARED OFF WHEN THE HEAD IS PLACED ONTO THE NECK.
5. PUSH THE EARS BACK IN PLACE AS THEY WILL HAVE MOVED OUT DURING ASSEMBLY. TIGHTEN THE SET SCREWS IN THE BACK OF THE HEAD TO 40 oz-in.
6. TIGHTEN THE SET SCREWS HAND SNUG USING A 2.5mm DRIVER.

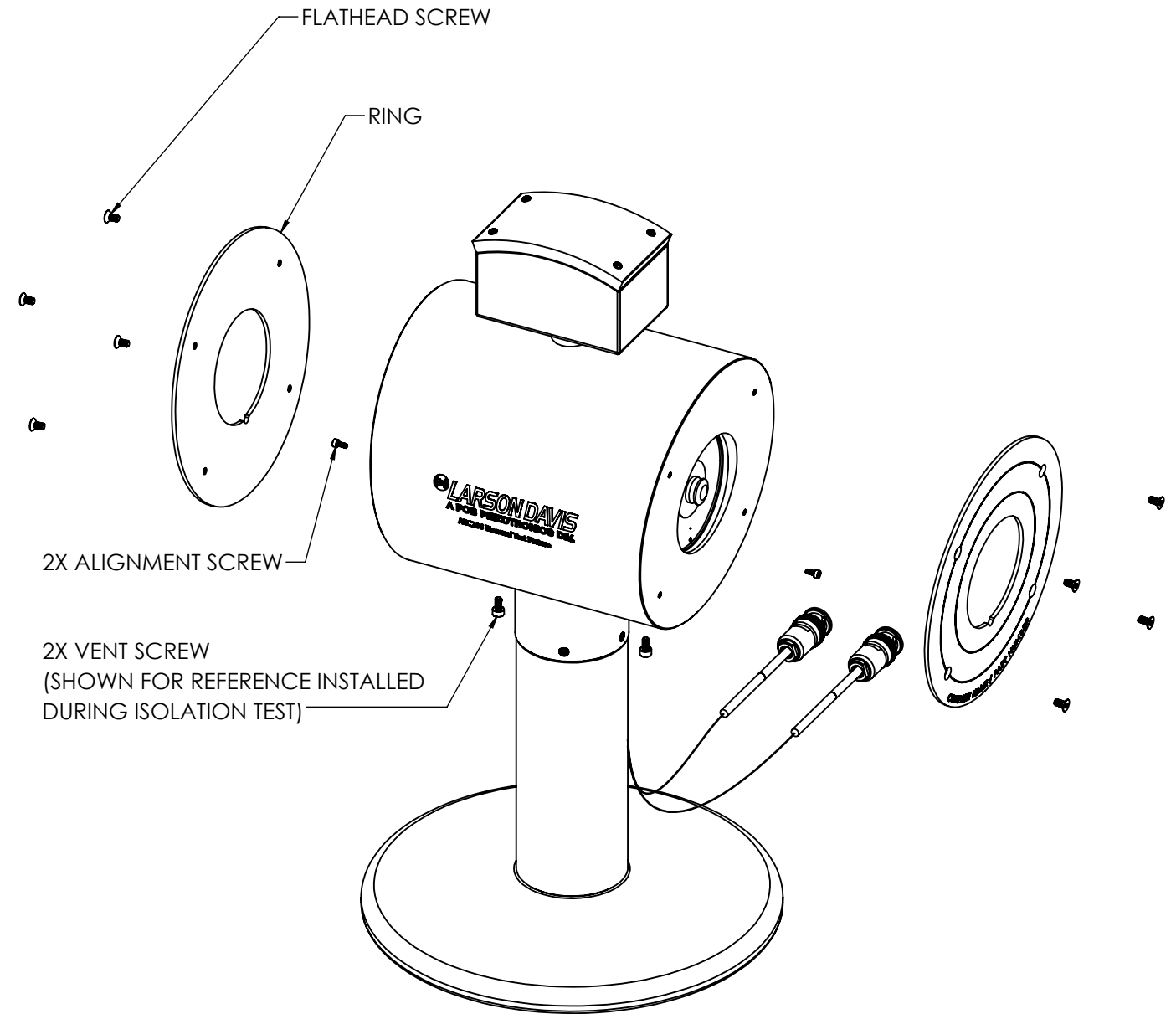


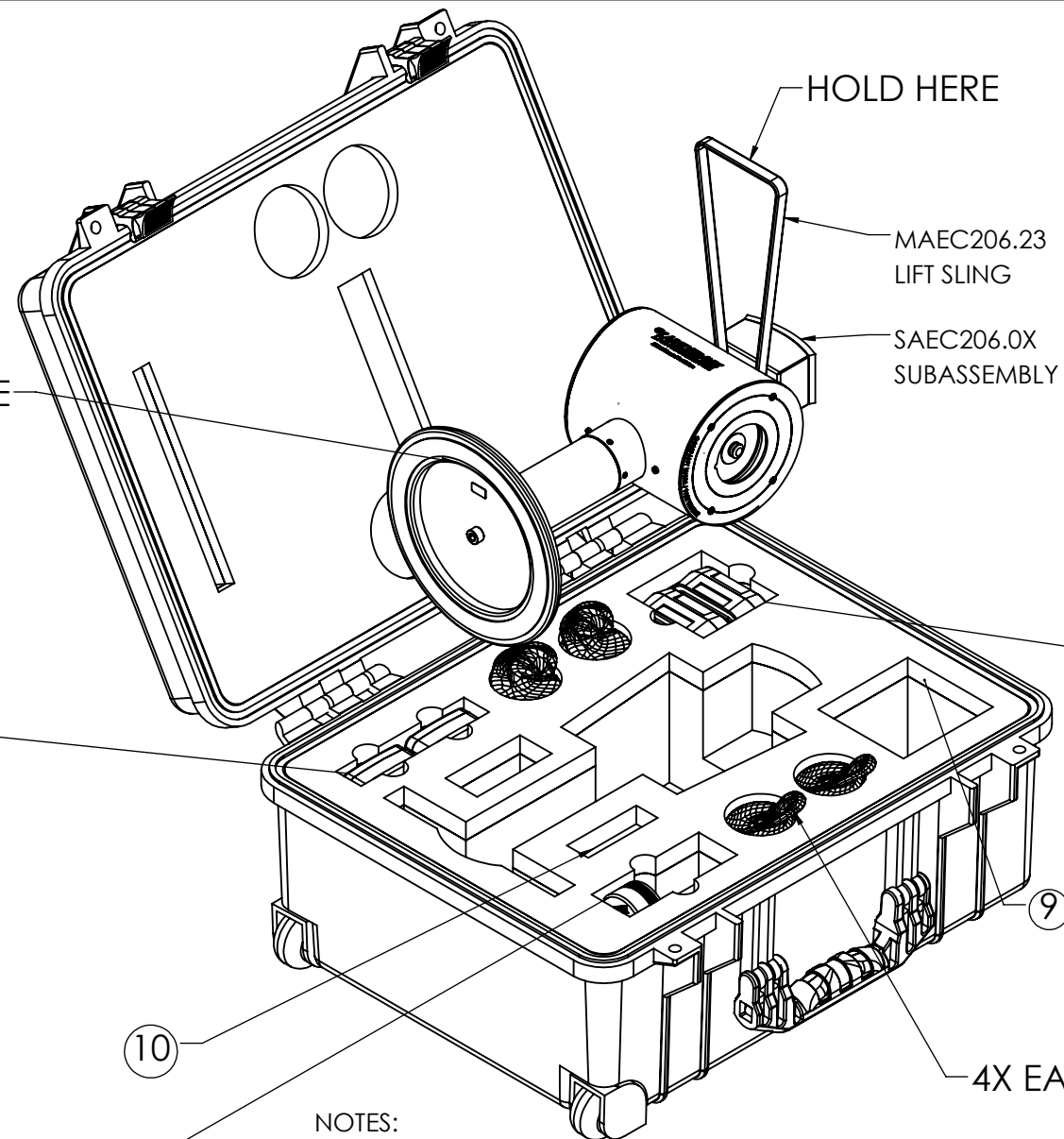
TESTING:

1. PERFORM ISOLATION TESTING ACCORDING TO THE ISOLATION TEST D0001.8430.

NOTE:

1. AFTER TESTING FINISH REMAINING ASSEMBLY.
2. INSERT THE ALIGNMENT SCREW INTO THE SIDE FACE HAND TIGHT.
3. ATTACH THE RING IN PLACE WITH THE FLAT HEAD SCREWS. ATTACH HAND TIGHT USING A 2mm DRIVER.





HOLD HERE

MAEC206.23
LIFT SLING

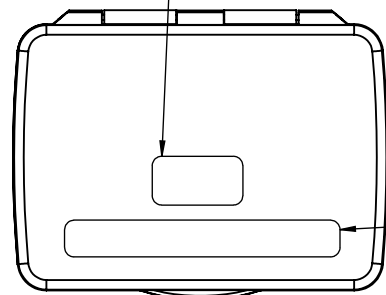
SAEC206.0X
SUBASSEMBLY

HOLD HERE

CROSS SERIAL LABEL

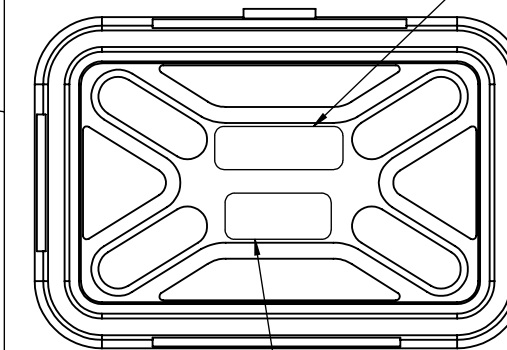
USE M770.0042 IN HOUSE LABEL AND PRINT THE FOLLOWING:

"FOR USE WITH (AEC PART NUMBER) SERIAL # (THE CROSS SERIAL NUMBER)".



PREAMP LABEL

CALIBRATION LABEL



CROSS SERIAL LABEL

USE M770.0042 IN HOUSE LABEL AND PRINT THE FOLLOWING:

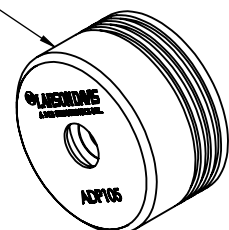
"FOR USE WITH (AEC PART NUMBER) SERIAL # (THE CROSS SERIAL NUMBER)".

4X EARS

NOTES:

1. PLACEMENT OF ITEMS IS THE SAME FOR ALL SHIPPING AEC206 MODELS.
2. ENSURE THE PREAMP AND EAR CASES HAVE THE MATCHED SERIAL NUMBERS THAT ARE PRESENT ON BOTH CASES.
3. PUT THE O-RING IN THE CALIBRATOR ADAPTOR.
4. USE CABLE WRAPS TO CLEANUP THE CABLES COMING OUT OF THE SUBASSEMBLY.
5. USE THE LIFT SLING AND HOLD THE BASE RING TO SET THE SUBASSEMBLY INTO THE FOAM.
6. LEAVE THE LIFT SLING IN PLACE AND TUCK IT INTO PLACE.
7. ENSURE THE CABLES THAT ARE COMING OUT OF THE SUBASSEMBLY ARE ROUTED INTO THE POCKET.
8. PUT EACH EAR INTO A PLASTIC BAG AND PLACE INTO THE FOAM. KEEP THE TWO RIGHT ON THE RIGHT SIDE OF THE HEAD, AND THE TWO LEFT ON THE LEFT SIDE OF THE HEAD.
- ⑨ BAG THE ALLEN WRENCHES AND SILICON GREASE PACKETS AND PLACE INTO THE OPEN POCKET.
- ⑩ PLACE THE USB DRIVE INTO THE SMALL CUT OUT IN THE FOAM.

MAC250.019
CAL ADAPTER



3900.0078
O-RING 4mm X12mm