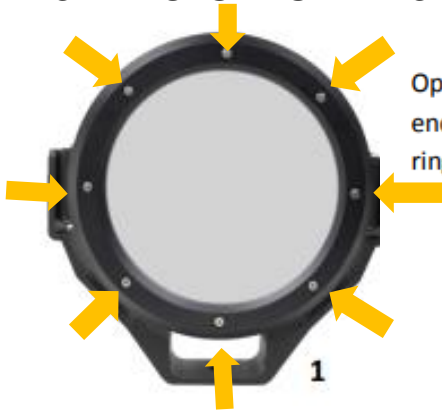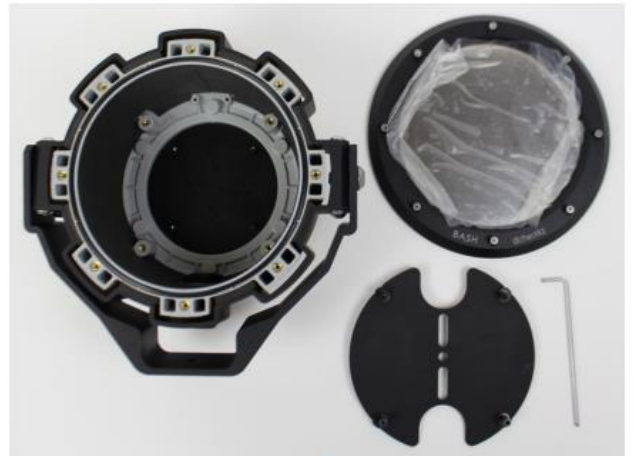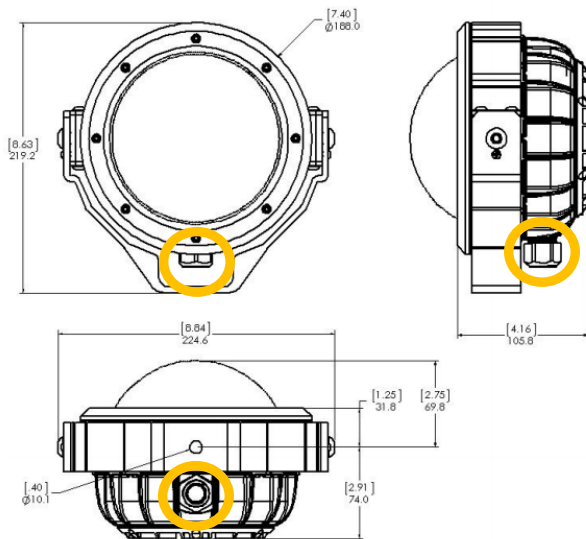# BASH MICROPHONE INSTALLATION GUIDE

Open enclosure by unscrewing 8x #6-32 captive screws located around front ring of the enclosure using a 7/64" hex key (commonly known as an Allen key/Allen wrench). Keep front ring, lens, and screws together as one assembly and set aside.

Remove internal mounting plate by unscrewing 4x #6-32 screws using a 7/64" hex key. Set aside the 4 screws and accompanying washers for later use.

Now locate the Cable Gland / Strain Relief Seal port (yellow circles below) that is at bottom edge of BASH housing: You will need to uninstall / remove this existing Seal port **by loosening inner nut** with pliers or a small wrench. After loosening with wrench, loosen and remove nut by hand and remove cable gland port seal entirely.

BASH MICROPHONE INSTALLATION GUIDE

Next, you will need to drill a hole into edge of BASH on Outside of housing RIBBING as shown below.

You will need a ¼" diameter drill bit & drill to prepare BASH back shell for microphone installation.

NOTE: This is at bottom of housing where "Cable Gland" Strain relief Port was, that was just removed in prior step.

Right side of rib of threaded insert (from front face of BASH); (or left side of bottom; as in lower right image).

Slightly over boring hole diameter will assist in easier microphone installation, as this is a tight fit location.

Now Install Microphone element: There should be a loose piece of black heat shrink around neck of microphone wire (set it aside loose heat shrink for now, as loose heat shrink jacket is for shimming into hole later, around mic element).

Push head of microphone element into back hole as shown below left: Right image show face of inserted mic element.

Now Insert new Cable gland port that is on mic assembly as shown lower left, then re-install tightening retainer nut.

Re-install & tighten retainer nut securely onto cable Gland port Seal, as shown below.

Feed mic Cable back into seal gland port till heat shrink sleeve just comes out of port a shown at arrow.

BASH MICROPHONE INSTALLATION GUIDE

For shim heat shrink sleeving installation onto mic element:

Carefully, with back of wire (do not pull on mic element itself) push wire out from back, out past face of ribbing to stick out.

Add short heat shrink sleeve & carefully shrink down sleeving with heat gun (not a flame) being careful not to heat mic element.

Then gently pull back wiring to seat mic element face is securely installed & even / flush with front seal face of BASH back shell.

Reinstall all BASH wiring; and firmly seal cable gland port external seal nut so wires are firmly and fully seals enclosure.

Plug any unused wire ports in cable gland, as BASH wiring port will NOT be fully sealed if this is not done. Tighten External compression nut on Cable gland port seal.

Re Install camera mount plate & camera as needed, being sure to securely tighten all fastener screws.

Finally; take time to properly orient BASH window cover seat to close up BASH housing; as follows.

Note below the orientation of the BASH Window seating ring has a hole in the middle of the dotworkz "d" just to the right of the BASH branding lettering. It is vital that this sits over the microphone element for audio to be picked up by the Mic element.