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| Traveler Title | Dog Bone Field Probe Fabrication Traveler |
| Traveler Abstract | Outlines the inspection and fabrication steps for the Field Probe Port Assembly for the EIC 197MHz Crab Cavity |
| Traveler ID | EIC197-FAB-DogBone-ASSY |
| Traveler Revision  | R1 |
| Traveler Author | J. Marsimantov |
| Traveler Date | 9-Jul-24 |
| NCR Informative Emails |  |
| NCR Dispositioners |  |
| D3 Emails |  |
| Approval Names | J. Maesimantov |  |  | N. HUQUE |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Group Leader | Project Manager |

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| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
| [JL0132256](https://misportal.jlab.org/jlabDocs/documents/186505/download) | JL0140270 | JL0146295 | JL140269 |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| PART IDENTIFICATION |
| 0 | Enter Serial Number of Finished Part

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| **STEPS** | **WORK CENTER AREAS** | **ACTIONS** |
| 1 | MACHSHOP | Slug Removal |
| 2 | INSP | Verify **perpendicularity** |
| 3 | CHEM | BCP |
| 4 | EBW | EBW |
| 5 | INSP | CMM |
| 6 | CMA | Leak Check |

 | [[DogBone]] <<SN>>Example below (not real dogbone acronym)[[DBFPSN]] <<DGFPSN>> (IF YOU KNOW sn IN ADVANCE – WILL APPEAR AS DROP DOWN)[[DBFPSN]] <<SN>> (FOR TYPE IN – WILL APPEAR AS TEXT BOX) |

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| Step No. | Instructions | Data Input |
| MACHINING |
| 1 | Include job number.  | [[MachTech]] <<SRF>>[[MachTime]] <<TIMESTAMP>>[[MachJobNumber]] <<INTEGER>>[[MachComm]] <<COMMENT>> |

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| Step No. | Instructions | Data Input |
| DIMENSIONAL INSPECTION |
| 2 | Add your CMM instructions here  | [[Insp1Tech]] <<SRF>>[[Insp1Date]] <<TIMESTAMP>>[[Insp1Comment]] <<COMMENT>>[[Insp1File]] <<FILEUPLOAD>> |

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| Step No. | Instructions | Data Input |
| CHEMISTRY |
| 3 | BCP to a depth of 15 microns [JL0119121](https://misportal.jlab.org/jlabDocs/documents/175657/download), [JL0150085](https://misportal.jlab.org/jlabDocs/documents/185430/download) and [JL0139908](https://misportal.jlab.org/jlabDocs/documents/175651/download)According to [CP-AUP-CAV-CHEM-ACID](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-260914/CP-AUP-CAV-CHEM-ACID-R2%282%29.pdf) Acid Etching Proceedure Acid Etching MSPR? | [[ChemTech1]] <<SRFCVP>>[[ChemTime1]] <<TIMESTAMP>>[[ChemComm1]] <<COMMENT>>[[ChemFile1]] <<FILEUPLOAD>> |
| 4 | BCP to a depth of 15 microns [JL0119121](https://misportal.jlab.org/jlabDocs/documents/175657/download), [JL0150085](https://misportal.jlab.org/jlabDocs/documents/185430/download) and [JL0139908](https://misportal.jlab.org/jlabDocs/documents/175651/download)According to [CP-AUP-CAV-CHEM-ACID](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-260914/CP-AUP-CAV-CHEM-ACID-R2%282%29.pdf) Acid Etching Proceedure Acid Etching MSPR? | [[ChemTech1]] <<SRFCVP>>[[ChemTime1]] <<TIMESTAMP>>[[ChemComm1]] <<COMMENT>>[[ChemFile1]] <<FILEUPLOAD>> |

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| Step No. | Instructions | Data Input |
| EBW |
| 5 | EBW instructions here  | [[SN]] <<SN>>[[InsTech]] <<SRF>>[[InsTime]] <<TIMESTAMP>>[[InsComm]] <<COMMENT>>[[InsFile]] <<FILEUPLOAD>> |

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| Step No. | Instructions | Data Input |
| CMM |
| 6 | Add your CMM instructions here  | [[Insp2Tech]] <<SRF>>[[Insp2Date]] <<TIMESTAMP>>[[Insp2Comment]] <<COMMENT>>[[Insp2File]] <<FILEUPLOAD>> |

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| **Step No** | **Instructions** | **Data Inputs** |
| LEAK CHECK |
| 7 | Leak check the assembly in accordance with [11141-S-0033](https://misportal.jlab.org/jlabDocs/documents/70285/download) Vendor Standard Helium Leak Check ProcedureUpload any relevant images/comments | [[VacTech]] <<SRF>>[[VacTime]] <<TIMESTAMP>>[[VacPass]] <<YESNO>>[[VacComm]] <<COMMENT>>[[VacFile]] <<FILEUPLOAD>>[[VacMail]] {{username}} <<EMAIL>>[[VacMail]] {{Put desired subject here}} <<EMAILSUBJ>> |

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| **Step No** | **Instructions** | **Data Inputs** |
| TECHNICAL REPRESENTATIVE |
| 8 | Enter SRF OPS Shipping form number and Purchase Requisition number for ultrasonic testing. | [[TechRep]] <<SRF>>[[ShippingFormNumber]] <<INTEGER>>[[PurchaseRequestNumber]] <<INTEGER>> |