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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   |  |  |  | | --- | --- | --- | | **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(2).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(2).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 Procedure  Upload 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>> |