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| Traveler Title | CEBAF Cryomodule HOM Load (2015 C75 design) Assembly Inspection |
| Traveler Abstract | This traveler details the steps required to dimensionally inspect the HOM Load Assembly for CEBAF Cryomodule cavity pair. |
| Traveler ID | C75-CPR-INSP-HOML |
| Traveler Revision  | R2 |
| Traveler Author | Aaron DeKerlegand |
| Traveler Date | 21-May-20 |
| NCR Informative Emails | gciovati,forehand,macha,scott |
| NCR Dispositioners | gciovati,forehand,macha,scott |
| D3 Emails | gciovati,forehand,macha,scott |
| Approval Names | A. DeKerlegand | S. Williams | K. Macha |  |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | 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. |
| HOM Load Assembly | HOM Absorber Flange |  |  |  |
|  [JL0024622revB](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-162805/JL0024622_B_C75%20HOM%20LOAD.pdf) | [JL0024623](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-162806/JL0024623_A_HOM%20ABSORBER%20FLANGE.pdf) |  |  |  |

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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| 1 | ***NOTE – This traveler is for FINAL INSPECTION (Load assy).*** Select serial number of part from drop down box. | [[HOMLSN]] <<HOMLSN>>[[HOMLbuild]] {{ExistingHOML,NewlyBuiltHOML}} <<RADIO>>[[USERTECH1]] <<USERNAME>> |
| 2 | Visually inspect the flange for scratches, pits, stains, damage or any other flaws within the indium seal path surface.Flange seal visual okay? Select yes or no.While wearing gloves verify absorber is secure in place and not loose. Also, check absorber for any cracks or damage. Absorber visual okay? Select yes or no. | [[VISUALTECH1]] <<USERNAME>>[[VISUALDATE1]] <<TIMESTAMP>>[[VISUALCOMMENT1]] <<COMMENT>>[[SEALOK1]] <<YESNO>>[[AdditionalFiles1]] <<FILEUPLOAD>>[[AbsorberOK2]] <<YESNO>> |

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| 3 | Dimensional check. Dimensions are in Inch. Measure the surface finish with the Mitutoyo Profilometer. Carefully check four corners outside of the seal path to prevent any profilometer marks in or near seal area. Then with CMM check the flatness of the indium sealing surface and flange thickness. | [[CMMTECH2]] <<USERNAME>>[[CMMDATE2]] <<TIMESTAMP>>[[CMMCOMMENTS2]] <<COMMENT>>[[AdditionalFiles2]] <<FILEUPLOAD>> |
| **Drawing Number** | **Description** | **Drawing Value**  | **Tolerance** | **Measured Value** | **Within Tolerance** |
| JL0024623 | Surface finish | 32 microinch  | Max 32 microinch | [[MeasValue1]] <<FLOAT>> | [[Tolerance1]] <<YESNO>> |
| JL0024623 | Surface finish | 32 microinch | Max 32 microinch | [[MeasValue2]] <<FLOAT>> | [[Tolerance2]] <<YESNO>> |
| JL0024623 | Surface finish | 32 microinch | Max 32 microinch | [[MeasValue3]] <<FLOAT>> | [[Tolerance3]] <<YESNO>> |
| JL0024623 | Surface finish | 32 microinch | Max 32 microinch | [[MeasValue4]] <<FLOAT>> | [[Tolerance4]] <<YESNO>> |
| JL0024623 | Flatness | .002 | Max .002 | [[MeasValue5]] <<FLOAT>> | [[Tolerance5]] <<YESNO>> |
| JL0024623 | Thickness | .750 | +/- .010 | [[MeasValue6]] <<FLOAT>> | [[Tolerance6]] <<YESNO>> |