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| Traveler Title | Inspection for 8 Pin Cryogenic Feedthroughs | | | |
| Traveler Abstract | Traveler to provide the necessary steps to perform receiving inspection on 8 pin feedthroughs used on C100 cryomodules. Receiving inspection includes visual, electrical, and leak check. | | | |
| Traveler ID | C100R-CMA-FT08P-INSP | | | |
| Traveler Revision | R1 | | | |
| Traveler Author | L. Zhao | | | |
| Traveler Date | 20-Feb-24 | | | |
| NCR Informative Emails | areilly,king | | | |
| NCR Dispositioners | lzhao,fischer,king,ganey | | | |
| D3 Emails | lzhao,fischer,ganey,areilly,king | | | |
| Approval Names | Liang Zhao | John Fischer | Larry King | Tony Reilly |
| 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. | | | |
| [CRM1207014-0001- CAVITY STRING, OUTSIDE THE CLEANROOM RevA (C100)](https://misportal.jlab.org/jlabDocs/documents/versions/184780) | [JLab Spec 11141S0029 RevB Standard Vacuum Leak Check Requirements](https://misportal.jlab.org/jlabDocs/documents/versions/128664) | JLAB SPEC 11141S0101 CRYOGENIC INSTRUMENTATION FEEDTHRU 8 CONDUCTOR, latest revision | Solid Sealing Technology Drawing KT49085 RevA | [JLab TN-12-202\_Memo of Cryogenic 8-Conductor Feedthroughs](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-60290/12-020.pdf) |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| 1 | Visually inspect feedthrough.  Is part clean, free from dust, oil, finger prints, or brazing residue  Pins straight on either end  Knife edge good  Carefully test fit ceramic plugs into either end  Note any non conformances. | [[VisInspTech]] <<SRF>>  [[VisInspDate]] <<TIMESTAMP>>  [[VisInspComm]] <<COMMENT>> |
| 2 | Electrically check all pins to the feedthru case and pin continuity through ceramic, using DVM and fabbed harness. | [[ElecCheckTech]]<<SRF>>  [[ElecCheckDate]] <<TIMESTAMP>>  [[ElecCheckComm]] <<COMMENT>> |
| 3 | Leak check feedthrough to JLAB Specification 11141S0029 RevB "Leak Check of Small Items". Leak Rate not to exceed 2e-10 atm cc/sec of He. | [[LeakCheckTech]] <<SRFCMP>>  [[LeakCheckDate]] <<TIMESTAMP>>  [[LeakCheckGood]] <<YESNO>>  [[LeakCheckStripChart]] <<FILEUPLOAD>>  [[LeakCheckComm]] <<COMMENT>> |
| 4 | Cold Shock the feedthrough:  Perform in the VTA – use Traveler C100R-VTA-FT08P-CSHK |  |
| 5 | Blow off, re-leak check feedthrough to JLAB Specification 11141S0029 RevB "Leak Check of Small Items". Leak Rate not to exceed 2e-10 atm cc/sec of He. | [[ReLeakCheckTech]] <<SRFCMP>>  [[ReLeakCheckDate]] <<TIMESTAMP>>  [[ReLeakCheckGood]] <<YESNO>>  [[ReLeakCheckStripChart]] <<FILEUPLOAD>>  [[ReLeakCheckComm]] <<COMMENT>> |
| 6 | Re-package feedthrough, send to inventory area until use. | [[InvTech]] <<SRF>>  [[InvTechDate]] <<TIMESTAMP>> |