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| Traveler Title | P1 Cavity Flange Lapping |
| Traveler Abstract | The following traveler records lapping data for cavity flanges. |
| Traveler ID | P1-CHEM-CAV-LAP |
| Traveler Revision  | R1 |
| Traveler Author | Ashley Anderson |
| Traveler Date | 06-Aug-2020 |
| NCR Informative Emails | areilly,forehand |
| NCR Dispositioners | ashleya,kdavis,ganey |
| D3 Emails | ashelya,ganey,kdavis,forehand |
| Approval Names | 1. Anderson
 | K. Davis | A. Reilly |  |
| Approval Signatures |  |  |  |  |
| Approval Date |  |  |  |  |
| 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. |
| [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) |  |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| **Step No.** | **Instructions** | **Data Input** |
|  | Input Cavity SN: | [[CAVSN]] <<CAVSN>>[[DateTime]] <<TIMESTAMP>>[[LapComment1]] <<COMMENT>> |
| 1 | Lap cavity FPC flange groove using [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) if required. | [[FPCPolish]] <<YESNO>>[[TimeStep1]] <<TIMESTAMP>>[[Tech]] <<SRFCVP>>[[VisualOK\_FPC]] <<YESNO>>[[VisualTech1]] <<SRFCVP>>[[LapComment2]] <<COMMENT>> |
| 2 | Lap cavity FPC Beam line flange groove using [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) if required.  | [[FPC\_ScotchBriteMethod]] <<YESNO>>[[TimeStep2]] <<TIMESTAMP>>[[Tech2]] <<SRFCVP>>[[VisualOK\_BLFPC]] <<YESNO>>[[VisualTech2]] <<SRFCVP>>[[LapComment3]] <<COMMENT>> |

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| **Step No.** | **Instructions** | **Data Input** |
| 3 | Lap cavity HOM Beamline flange groove using [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) if required.  | [[HOM\_ScotchBriteMethod]] <<YESNO>>[[TimeStep3]] <<TIMESTAMP>>[[Tech3]] <<SRFCVP>>[[VisualOK\_BLHOM]] <<YESNO>>[[VisualTech3]] <<SRFCVP>>[[LapComment3]] <<COMMENT>> |
| 4 | Lap cavity HOM-1 flange groove using [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) if required. HOM-1 is to the right of the Beam Tube as shown. | [[FlgA\_ScotchBriteMethod]] <<YESNO>>[[TimeStep4]] <<TIMESTAMP>>[[Tech4]] <<SRFCVP>>[[VisualOK\_HOMA]] <<YESNO>>[[VisualTech4]] <<SRFCVP>>[[LapComment4]] <<COMMENT>> |
| 5 | Lap cavity HOM-2 flange groove using [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) if required. HOM-2 is to the left of the Beam Tube as shown. | [[FlgB\_ScotchBriteMethod]] <<YESNO>>[[TimeStep5]] <<TIMESTAMP>>[[Tech5]] <<SRFCVP>>[[VisualOK\_HOMB]] <<YESNO>>[[VisualTech5]] <<SRFCVP>>[[LapComment5]] <<COMMENT>> |

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| **Step No.** | **Instructions** | **Data Input** |
| 6 | Lap cavity field probe flange groove using [F100 Cavity Flange Repair Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-68873/CP-F100-CAV-REPR-FLNG%20-%20R2.pdf) if required. | [[ScotchBriteMethod]] <<YESNO>> [[TimeStep6]] <<TIMESTAMP>>[[Tech6]] <<SRFCVP>>[[VisualOK\_IC6]] <<YESNO>>[[VisualTech6]] <<SRFCVP>>[[LapComment6]] <<COMMENT>> |
| 7 | Quip-Tip BCP of the Beamline flange (FPC).Inspection is to be done by QCG. | [[QuipTipFPC]] <<YESNO>> [[TimeStep7]] <<TIMESTAMP>>[[Tech7]] <<SRFCVP>>[[VisualOK\_IC7]] <<YESNO>>[[VisualTech7]] <<SRFCVP>> |
| 8 | Quip-Tip BCP of the Beamline flange (HOM). Inspection is to be done by QCG.  | [[QuipTipHOM]] <<YESNO>> [[TimeStep8]] <<TIMESTAMP>>[[Tech8]] <<SRFCVP>>[[VisualOK\_IC8]] <<YESNO>>[[VisualTech8]] <<SRFCVP>> |
| 9 | Quip-Tip BCP of the FPC flange.Inspection is to be done by QCG. | [[QuipTip9]] <<YESNO>> [[TimeStep9]] <<TIMESTAMP>>[[Tech9]] <<SRFCVP>>[[VisualOK\_IC9]] <<YESNO>>[[VisualTech9]] <<SRFCVP>> |