

# LIGO OPTIC PROCESS TRAVELER

DCC Number:

E\_\_\_\_\_ -00-X

Date Prepared:

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Originator	Cognizant Engineer	Ext./Phone#
Optic Dwg/Part Number	Rev	Serial Number

**Process Flow:**

Any deviation from procedures must be approved and noted below

#	Operation/Instructions (Comments)	1st time			2nd time		
		Name/ Initials	Start Date	End Date	Name/ Initials	Start Date	End Date
1	Clean and inspect optic per E990035-A-D						
2	Guide rod / wire standoff assembly: Position optic on fixture base plate, reflective (arrow) side down. Follow LIGO-E970154-B-D						
3	Cure Epoxy for 24 hours.						
4	Remove part from fixture and visually inspect.						
5	Position and align magnet/standoff fixture and epoxy face and side magnet assemblies per LIGO E-970154-B-D						
6	Air bake epoxy for 2 hrs. at 100 degrees C						
7	Remove fixture and visually inspect part.						
8	Hang, balance optic, locate and epoxy wire standoff per (LOS) E970037-B-D; <b>complete QC worksheet LIGO-E970153-A-D</b> TILT angle: _____						
9	Cure epoxy for 24 hours.						
10	Remove from LOS - Air blow optics						

*N.B.: A copy of this traveler must be submitted to the DCC each time the original is shipped with the associated part(s) and when the traveler has been completed.*

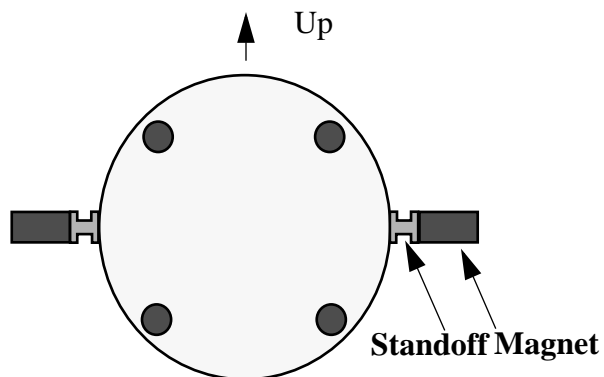
#	Operation/Instructions (Comments)	1st time			2nd time		
		Name/ Initials	Start Date	End Date	Name/ Initials	Start Date	End Date
11	Vacuum bake per E960022-06 VBO Load#___ Scan#_____ VBO Load#___ Scan#_____ VBO Load#___ Scan#_____ VBO Load#___ Scan#_____ VBO Load#___ Scan#_____						
12	Perform "razor blade" test to bonds. If any failures, record which bond failed below.						
13	Resuspend and verify balance. TILT angle:_____						
14	Install OSEMs and record voltages on Conformance Worksheet.						
15	Install. Location (Chamber):_____						

**NOTES:**

Indicate location of failed bonds, if any.

As reference, indicate the position of the wire rod and wire standoff on Figure 1

Figure 1



**Table 1: Action Items**

DATE	NAME	DESCRIPTION

*Note 1, Linda Turner, 01/25/00 11:04:34 AM*  
LIGO-E000029-00-D