



# DOCUMENT CHANGE NOTICE (DCN)

DOCUMENT No. (DOC-REV-GP. ID)	TITLE	NEW REV.
D960147-A-D	Guide Rod Fixture	B

**CHANGE DESCRIPTION (FROM/TO):**

1. Sheet 1, remove original note 5. "Coat these v-grooves and dove tail groove with a .0005/.0008" thick coating of DuPont Teflon. Dimensions are for as-coated part". Teflon coating did not work well. Change material for Top Left Block and Top Right Block to Teflon from aluminum.
2. Add a new note 5: "Specifications covering the fabrication of this assembly are detailed in LIGO-E970155, The Large Optic Suspension (LOS) Fixtures and Components Fabrication Specification."
3. Sheet 1 and 3, switch guide rod and wire standoff from one side to the other. See Rev A for was condition. Wire Standoff was mounted with the Top Right Block and the Guide Rod was mounted with the Top Left Block. That meant that the second Wire Standoff needed to be inserted under the suspension wire on the side that the sensor/actuator is mounted. It is difficult to move the Wire Standoff with the sensor/actuator in place. It is much easier to maneuver the second Wire Standoff for balancing the optic on the side of the suspension without the sensor/actuator. The optic is mounted into this fixture with the high reflective side down, so the wire standoff should be glued with this fixture onto the left side. Change note 3 to reflect this change.
4. Sheet 3, zone C3 and zone C6, dimension was 1.515 +/- .001 is 1.503 +/- .001

**REASON FOR CHANGE:** Teflon coated aluminum does not perform as well as machined Teflon. Wire standoff should be on the same side as the sole side sensor/actuator head. Incorrect dimension.

**ACTION:**  Incorporate change  Attach DCN to drawing(s)  Other action (specify):

**DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)**

**DCN DISTRIBUTION (X=incl. docs)**

- No hardware affected (record change only)
- List S/Ns which comply already:
- List S/Ns to be reworked or scrapped: 001, 002 scrap Top Right Block and Top
- List S/Ns to be built with this change:
- List S/Ns to be retested per this change:
- Left Block. Re-fabricate to new revision.
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Althouse	Barish	Coles
X Coyne	Lazzarini	Lindquist
Raab	Sanders	Shoemaker
Stapfer	Tyler	Weiss
Whitcomb	Zydowicz	
Bork		Zucker
Barton		Mason
Camp		Jones
X Fine		
X Hazel Romie		

**SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT?**  No  Yes (If yes, enter Change Request number )

APPROVALS:	DATE	OTHER APPROVALS (specify)	DATE
ORIGINATOR: J. Romie	8-14-98		
TASK LEADER:			
GROUP LEADER: <i>J. Coyne</i>	8/18/98		
DCC RELEASE: <i>J. Romie</i>	8/21/98		