

CALIFORNIA INSTITUTE OF TECHNOLOGY
Laser Interferometer Gravitational Wave Observatory (LIGO) Project

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Refer to: LIGO-T980085-00-D

Date: September 21, 1998

Subject: Waiver Request: Silver Plated, Small Optics Suspension (SOS) Fasteners

The Small Optics Suspensions (SOS) have bolted joints which require silver-plated fasteners to prevent galling. The first four (4) SOS to be used in the Input Optics (IO) section of the 2km Interferometer (IFO) were assembled with silver-plated fasteners which were not cleaned and vacuum baked by LIGO per the vacuum preparation procedures of LIGO-E960022. These silver-plated fasteners were provided by UC Components as cleaned and ready for ultra-high vacuum use. Given the relatively small number of fasteners involved, the comparatively clean state of these fasteners as received, the moderate amount of effort expended in assembling the SOS and the relatively tight schedule for the IO installation, we request a waiver for these silver-plated fasteners.

DCC:win

cc:

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