



FTIR Testing to Qualify Parts for LIGO UHV Service

AUTHOR(S)	DATE	Document Change Notice, Release or Approval
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SCOPE

This checklist should be used many times during the final alignment and testing of the suspensions during installation. It is intended to be referenced by the installation procedures.

Checklist for mechanical rubbing sources in a QUAD suspension:

- 1) Check all EQ stops on all masses
- 2) Check all EQ stops on all blades
- 3) Check ECD magnets at Top Mass
- 4) Check all Flags at Top Mass, UIM, PUM
- 5) Check Blade ECD magnets
- 6) Check bump stops between chains
- 7) Check cabling that threads through reaction chain – specifically
 - where it leaves the Top Mass
 - where it leaves the structure at the back of the UIM/Top Mass
 - between the chains at the Top Mass
 - below the PenRe where the ECDs thread close to the lower EQ stop bracket

If rubbing is found and corrected at any of the steps above, go back to 1) and start again.