

## Treadmill Meeting Minutes

A meeting was held July 8, 1981 at ILC Nova building conference room concerning the STS-2 Treadmill. Dr Thornton briefed attendees on the general operation of the Treadmill and potential problem for use in a space environment. The following were questions asked and the action required to answer them.

1. ILC will use actual treadmill to generate an envelope drawing showing dimensions and mounting points and center of gravity.
2. ILC will layout a mounting boss to attach treadmill to floor in Orbiter and allow a 2" minimum clearance from treadmill to floor.
3. ILC to generate drawing of interface fixture to attach treadmill to orbiter floor.
4. Action give to Dick McComb to supply 12 ea. hold down fitting P/N ~~10133-52~~ from Rockwell. # 225 ea connectors  
ME161-20 45 ea studs
5. ILC to set up treadmill and mounting fixture for vibration (launch loads) and stress analysis.
6. ILC through Dick McComb to obtain Rockwell drawings of floor layout on OV-102 Orbiter.
7. ILC to get with Dr. Thornton and develop harness (bungee tie down) interfaces on treadmill.
8. Action for Mr. Whitmore to supply ILC with list of materials used in the fabrication of the treadmill.
9. Mr. Whitmore to remove all grease or use acceptable grease.
10. ILC check PRD for waivers to the 8080 standards.
11. Have Mr. Whitmore to self locking 1/4-20 heli coils to all eight attachment points.
12. Have Mr. Whitmore to develop and fabricate tension structures to more positively secure side panels.
13. Mr. Whitmore will provide means to secure vernier adjuster.
14. ILC to perform fit check of treadmill to Orbiter floor interface to OV-102 Orbiter.
15. ILC to determine where the use of loctite would be needed.
16. ILC to draw a top assembly drawing of treadmill.
17. Gil Perez will generate VCM and Certification report.



18. ILC to add velcro to back of speedometer for attachment to Orbiter walls.
19. Coordination with Miles McClune for stowage of bungee and speedometer.
20. Revision A to the CCBD will update Flight Manifest to add treadmill.

The Program Plan and ROM is required on July 13, 1981. A meeting is scheduled between ILC, Mr. Whitmore, and Dr. Thornton the morning of July 13, 1981.