

BOEING

P528/PIA-13003

FSCM 81205

PRE-INSTALLATION ACCEPTANCE

FOR

PREFLIGHT CHECK OUT OF TREADMILL

P/N 10131-10031-03

CONTRACT NO. NAS9-17540

TYPE II

APPROVALS

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PREPARED BY

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MATERIALS ENGINEER

\_\_\_\_\_  
ENGINEERING

\_\_\_\_\_  
PRODUCTION ENGINEERING AND CONTROL

\_\_\_\_\_  
QUALITY ENGINEERING

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# PREFLIGHT CHECK OUT OF TREADMILL

- \_\_\_ 1. Obtain treadmill from FEPC Stores/FEPC Lab, maintain clean level GC through procedure.
- \_\_\_ 2. Remove speed control knob and rod, which is mounted on the treadmill side.
- \_\_\_ 3. Remove (4) ea. holding screws from the same side of speed control, and slide the track side out.
- \_\_\_ 4. Slide the tread assembly out to the side.
- \_\_\_ 5. Clean the wheels, and links on the wheels, to level GC using Freon and lint free dry wipes.
- \_\_\_ 6. Check each wheel individually for easy and smooth rotation, and no free play, mark suspected wheels and contact appropriate treadmill engineer.
- \_\_\_ 7. Verify all wheels and links are lubricated and clean level GC.
- \_\_\_ 8. Use Brayco oil P/N ST51B970-01 or (815-Z), and lubricate the links connections to each other, on tread assy, wipe off excess with a lint free dry wipe.
- \_\_\_ 9. Use Silicon spray P/N 3561-09, and lubricate the wheels on tread assy, wipe off excess with a lint free dry wipe.
- \_\_\_ 10. Check each link for wear, and free play, mark suspected links, on tread assy and driving chain inside, and contact appropriate treadmill engineer.
- \_\_\_ 11. Verify no excessive wear or free play.
- \_\_\_ 12. Use Brayco oil P/N ST51B970-01 or (815-Z), and lubricate driving chain, and the moving parts on the governor (except the break disk).
- \_\_\_ 13. Clean the brake disk using Freon and lint free dry wipes.
- \_\_\_ 14. Reinstall tread assy, and then install the track side, install and tighten track side mounting screws.
- \_\_\_ 15. Remove slack out of drive chain by tightening bolts that install the governor.

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NOTE: In the Crew Equipment Lab, prepare treadmill for testing as follows.

- \_\_\_ 16. Remove interface fixture assembly, and place treadmill on red support stand.
- \_\_\_ 17. Obtain stop watch accurate to nearest tenth of a second.
- \_\_\_ 18. Have a technician available for running on treadmill with a pair of rubber tennis or running shoes. Shoes must be cleaned in a shoe cleaning machine, bottom of shoes must be free of all dirt and grime before running on treadmill.
- \_\_\_ 19. Verify/set treadmill support on lowest setting.
- \_\_\_ 20. Verify/set treadmill speed setting to (1) one.
- \_\_\_ 21. While one technician is "jogging" on the treadmill, another technician is to record times required to run (10) ten revolutions. (Revolutions can be counted by observing the "red-striped" tread as it passes by.) Two sets of reading to be taken at each speed setting, data to be recorded in Table I.
- \_\_\_ 22. Change the speed setting to the next higher number, and repeat step 21.
- \_\_\_ 23. Keep repeating steps 21 and 22 until you run the highest speed (7) seven as shown in Table I.
- \_\_\_ 24. Verify/set treadmill support on middle setting.
- \_\_\_ 25. Repeat steps 20, 21, 22, and 23 and record data in Table II.
- \_\_\_ 26. Verify/set treadmill support on highest setting.
- \_\_\_ 27. Repeat steps 20, 21, 22, and 23 and record data in Table III.
- \_\_\_ 28. Deliver a copy of the completed procedures to the appropriate treadmill engineer.
- \_\_\_ 29. Remove treadmill from the red support, and reinstall interface fixture assembly per DWG 10131-10031-03.
- \_\_\_ 30. Maintain clean level GC.

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TABLE I

TREADMILL SUPPORT ON LOWEST POSITION

SPEED	1	2	3	4	5	6	7
1ST TIMING							
2ND TIMING							
AVG. TIMING							

TABLE II

TREADMILL SUPPORT ON MIDDLE POSITION

SPEED	1	2	3	4	5	6	7
1ST TIMING							
2ND TIMING							
AVG. TIMING							

TABLE III

TREADMILL SUPPORT ON HIGHEST POSITION

SPEED	1	2	3	4	5	6	7
1ST TIMING							
2ND TIMING							
AVG. TIMING							