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## Stress Analysis of B-52b and B-52h Air-Launching Systems Failure-Critical Structural Components

By William L. Ko

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 44 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The operational life analysis of any airborne failure-critical structural component requires the stress-load equation, which relates the applied load to the maximum tangential tensile stress at the critical stress point. The failure-critical structural components identified are the B-52B Pegasus pylon adapter shackles, B-52B Pegasus pylon hooks, B-52H airplane pylon hooks, B-52H airplane front fittings, B-52H airplane rear pylon fitting, and the B-52H airplane pylon lower sway brace. Finite-element stress analysis was performed on the said structural components, and the critical stress point was located and the stress-load equation was established for each failure-critical structural component. The ultimate load, yield load, and proof load needed for operational life analysis were established for each failure-critical structural component. This item ships from La Vergne, TN. Paperback.



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