1. Security Classification of this Page: Restricted

2. Type of Document: Project Document

3. Report No.: PD MT 8524
4. Date: Aug. 1985
5. Security Classification/Declassification Schedule: Restricted

6. Title/Sub-title

Failure of the Throttle Front End Fitting of HT-2 Aircraft

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8. Division/Section: Materials Science
9. Project No.: MT-001

10. Type of report/Period covered: Failure Analysis
11. pages: 3
12. Approved by/No. of copies: A.K. Singh 12
13. a) Sponsoring Agency(s): HQ Training Command, IAF, Bangalore
13. b) Participating Agency(s): 

14. Keywords

Throttle front end fitting, Cross riveting, Fatigue failure

15. Abstract

A HT-2 aircraft force landed as the engine did not respond to the throttle movement. From the wreckage, the tube assembly of the throttle front end fitting was recovered in a broken condition. It has a steel tube with two steel end fittings fixed to the tube with two steel rivets at right angle to each other. The end fitting stud inserted into the tube had fractured. The rivet holes through the stud were unsymmetrical. The failure had occurred due to non-centering of the rivet holes and insufficient distance between the two rivets which were overlapping.