

**Aviation Safety Investigation Report  
198802390**

**Cessna 336**

**13 August 1988**

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**NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at [www.atsb.gov.au](http://www.atsb.gov.au).**



1. Cracks caused by thermal fatigue and exhaust gas flow erosion formed along welded seams in the rear engine's left hand exhaust stack.
2. The person performing the inspection on the rear engine during the major inspection did not detect the cracks in the exhaust stack.
3. A section of the exhaust stack separated, allowing hot exhaust gases to enter the rear engine compartment.

**Reccomendations:**

1. It is recommended that the Civil Aviation Authority remind LAMEs of the importance of performing thorough inspections on exhaust systems, and repairing defects immediately they become apparent.