

**PART 39—AIRWORTHINESS
DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. FAA amends § 39.13 by adding a new airworthiness directive (AD) to read as follows:

Robert E. Rust: Docket No. 2000–CE–64–AD

(a) *What airplanes are affected by this AD?*
This AD affects R.E. Rust Models DeHavilland DH.C1 Chipmunk 21, 22, and 22A airplanes, serial numbers C1–001 through C1–1014, that are type certificated in any category.

Note 1: We recommend all owners/operators of DeHavilland DH.C1 Chipmunk 21, 22, and 22A airplanes, serial numbers C1–001 through C1–1014, with experimental airworthiness certificates comply with the actions required in this AD.

(b) *Who must comply with this AD?*
Anyone who wishes to operate any of the above airplanes must comply with this AD.

(c) *What problem does this AD address?*
The actions specified by this AD are intended to prevent failure of the tailplane attachment brackets caused by stress corrosion cracking and failure of the engine mount, which could result in loss of the tail section and separation of the engine from the airplane respectively. Such failures could lead to loss of control of the airplane.

(d) *What actions must I accomplish to address this problem?* To address this problem, you must accomplish the following:

(1) Tailplane Attachment Brackets

Compliance	Actions	Procedures
(i) Initially inspect within the next 90 days after the effective date of this AD. (A) Inspect thereafter at intervals not to exceed 6 months or 150 fatigue hours, whichever occurs first, until the modification required by paragraph (d)(1)(ii) of this AD is incorporated. (B) When the modification required by paragraph (d)(1)(ii) is incorporated, you may terminate the repetitive inspections of the tailplane attachment brackets.	Inspect, using dye penetrant, the tailplane attachment brackets, part-number (P/N) C1.TP.167 (or FAA-approved equivalent part) for cracks.	In accordance with British Aerospace Military Aircraft and Aerostructures (BAe Aircraft) Mandatory Technical News Sheet CT (C1) No. 176, Issue 2, dated November 1, 1997; and Civil Modification Mandatory Modification No. Chipmunk H357, dated March 12, 1984. Calculate fatigue hours by multiplying the TIS by the role factor in accordance with British Aerospace Mandatory Technical News Sheet Series: Chipmunk (C1), No. 138, Issue: 5, dated August 1, 1985.
(ii) At whichever of the following that occurs first: (A) Prior to further flight after the inspection where any crack is found; or (B) Upon accumulating 9,984 fatigue hours or within the next 90 days after the effective date of this AD, whichever occurs later	Replace the tailplane attachment bracket by incorporating Modification H357 (P/N C1.TP.313) or FAA-approved equivalent part number. Installing P/N C1.TP.313 (or FAA-approved equivalent part number) terminates the repetitive inspection requirement of the tailplane attachment brackets.	In accordance with British Aerospace Military Aircraft and Aerostructures (BAe Aircraft) Mandatory Technical News Sheet CT (C1) No. 176, Issue 2, dated November 1, 1997; and Civil Modification Mandatory Modification No. Chipmunk H357, dated March 12, 1984. Calculate fatigue hours by multiplying the TIS by the role factor in accordance with British Aerospace Mandatory Technical News Sheet Series: Chipmunk (C1), No. 138, Issue: 5, dated August 1, 1985.
(iii) As of the effective date of this AD (iv) As of the effective date of this AD	Only install a tailplane attachment bracket that is P/N C1.TP.313. or FAA-approved equivalent part number. Incorporate the following into the Aircraft Logbook: "In accordance with AD **-*-**, the tailplane attachment bracket is life limited to 9,984 fatigue hours."	Not applicable.
		In accordance with British Aerospace Military Aircraft and Aerostructures (BAe Aircraft) Mandatory Technical News Sheet CT (C1) No. 176, Issue 2, dated November 1, 1997.

(2) Engine Mount Frames

Actions	Compliance	Procedures
(i) Inspect each joint of the port and starboard engine mount frame and the rear upper mount frame tubes for cracks and/or damage.	Initially inspect within the next 90 days after the effective date of this AD. Repetitively inspect thereafter at intervals not to exceed 600 hours TIS.	In accordance with British Aerospace Aerostructures Limited (BAe Aircraft) Mandatory Technical News Sheet CT (C1) No. 190, Issue 2, dated April 1, 1995.