

**2010-05-51 EUROCOPTER FRANCE:** Directorate Identifier 2010-SW-024-AD.

Applicability: Model EC120B helicopters, with a main rotor head with a rotor hub, part number (P/N) C622A1002103, C622A1002104, or C622A1002105, installed, certificated in any category.

Compliance: Required as indicated.

To prevent failure of a main rotor hub, excessive vibrations, loss of a main rotor blade, and subsequent loss of control of the helicopter, do the following:

(a) Within 15 hours time-in-service (TIS), unless done previously, and thereafter at intervals not to exceed 15 hours TIS, inspect the rotor hub for a crack in the areas depicted in Figures 1 and 2, areas “A1” and “A2,” of Emergency Alert Service Bulletin No. 05A012, Revision 1, dated February 19, 2010 (EASB). If the identification plate “b” depicted in Figure 2 of the EASB is in the inspection areas “A1” or “A2,” remove the plate and clean the area where the identification plate information will be marked “B,” by following the Accomplishment Instructions, paragraph 2.B.2.a., of the EASB.

(1) If you find scoring, paint flaking, or left-over identification plate adhesive, sand the area using No. 600-grit (fine grit) abrasive paper until the primer coat becomes visible and inspect the rotor hub for a crack.

(2) If you find a crack, before further flight, replace the rotor hub with an airworthy rotor hub.

(b) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Contact the Manager, Safety Management Group, ATTN: DOT/FAA Southwest Region, Gary Roach, ASW-111, Aviation Safety Engineer, Rotorcraft Directorate, Regulations and Guidance Group, 2601 Meacham Blvd, Fort Worth, Texas 76137, telephone (817) 222-5130, fax (817) 222-5961, for information about previously approved alternative methods of compliance.

(c) Special flight permits will not be issued.

(d) The Joint Aircraft System/Component (JASC) Code is 6220: Main Rotor Head.

(e) Copies of the applicable service information may be obtained from American Eurocopter Corporation, 2701 Forum Drive, Grand Prairie, TX 75053-4005, telephone (800) 232-0323, fax (972) 641-3710, or at <http://www.eurocopter.com>

(f) Emergency AD 2010-05-51, issued February 24, 2010, becomes effective upon receipt.

Note: The subject of this AD is addressed in European Aviation Safety Agency AD No. 2010-0026-E, dated February 19, 2010.

FOR FURTHER INFORMATION CONTACT: DOT/FAA Southwest Region, Gary Roach, ASW-111, Aviation Safety Engineer, Rotorcraft Directorate, Regulations and Guidance Group, 2601 Meacham Blvd, Fort Worth, Texas 76137, telephone (817) 222-5130, fax (817) 222-5961.