

 <p>SERVIÇO PÚBLICO FEDERAL</p> <p>DEPARTAMENTO DE AVIAÇÃO CIVIL</p>	BRAZILIAN AIRWORTHINESS DIRECTIVE (EMERGENCY)	
	EFFECTIVE DATE: <p style="text-align: center;">28 November 2002</p>	EAD No.: <p style="text-align: center;">2002-11-02</p>

The following Emergency Airworthiness Directive (EAD), issued by the Departamento de Aviação Civil (DAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro de Homologação Aeronáutica (RBHA) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this EAD applies, unless it has previously complied with the requirements established herein.

EAD No. 2002-11-02 - EMBRAER - Amendment 39-966.

APPLICABILITY: This Emergency Airworthiness Directive is applicable to Embraer EMB-145() aircraft of serial numbers 145601, 145614 and 145626, equipped with APU cowling exhaust assy P/N 145-52460-401, which belongs to APU cowling assy P/N 145-52979-401.

CANCELLATION / REVISION: Not applicable.

REASON: It has been found the occurrence of two cases of cracks in the non silenced APU exhaust duct extension, which could lead to a duct separation during flight. Since this condition may occur in other airplanes of the same type and affects flight safety, an immediate corrective action is required. Thus, sufficient reason exists to request compliance with this EAD in the indicated time limit without prior notice.

REQUIRED ACTION: Inspection and rework, or replacement, of the APU exhaust duct.

COMPLIANCE: Required as indicated below, unless already accomplished:

Within 50 flight operating hours after the effective date of this EAD, carry out a detailed visual inspection with a magnifying glass of 8X minimum in all APU exhaust gusset strap area, with emphasis in the spot weld points. If any crack is found, replace the exhaust duct with another bearing or cut the damaged duct P/N 145-50348-001 after the gusset strap area, preserving all not affected welded points. Repeat the inspection in intervals not exceeding 50 flight operating hours until the exhaust duct is replaced with another bearing with a different P/N not affected by this EAD.

The detailed instructions and procedures to accomplish this EAD are described in the Embraer Alert Service Bulletin No. 145-49-A023, original issue, or further revisions approved by the CTA. Record compliance with this EAD in the applicable maintenance log book.

CONTACT: For additional information, please contact CTA-IFI-FDH, P.O. Box 6001, 12231-970 - São José dos Campos-SP, Brazil, telephone: 55 (12) 3947-5179, fax: 55 (12) 3941-4766, e-mail: pds@ifi.cta.br.

APPROVAL: Original in Portuguese language available in the files of the Registro Geral de Aeronavegabilidade (RGA/TE-1/STE) of the Departamento de Aviação Civil. Signed by:

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CTA