	AIRWORTHINESS DIRECTIVE No F-2001-499 R4	Distribution: B	Issue date: August 31, 2005	Page : 1/2
	Direction générale de l'aviation civile France GSAC publication	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.	<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive, unless otherwise agreed with the Authority of the State of Registry.				
Corresponding foreign Airworthiness Directive(s): Not applicable		Airworthiness Directive(s) replaced: 2001-499 R3		
Person in charge of airworthiness: AIRBUS SAS		Type(s): A319 and A320 aircraft		
Type certificate(s) No. 180 TCDS No 180				
ATA chapter: 32	Subject: GOODRICH carbon brake - Reduction of performances			

1. EFFECTIVITY:

AIRBUS A319 and A320 aircraft, all certified models and serial numbers which are equipped with GOODRICH carbon brakes (reference PN 2-1526-4 or 2-1526-5 or 2-1572 or PN 2-1598-1 or PN 2-1600-1 or 2-1600-2 or 2-1600-3) in accordance with:

- AIRBUS modification 24007 or 24260 or 25810 or 30075 or 31146 or 31803 in production, or
- AIRBUS Service Bulletin (SB) A320-32-1090 or A320-32-1114 or A320-32-1180 or A320-32-1221 (modification 30485) or A320-32-1228 or A320-32-1238 in service.

The aircraft that have received AIRBUS modification 32311 in production are not affected by the requirements of this Airworthiness Directive (AD).

The aircraft fitted with 4 GOODRICH carbon SEPCARB III brakes PN 2-1600-3 on which brakes mixability has been forbidden as per application of SB A320-32-1247 in service, are not affected by the requirements of this AD.

2. REASONS:

One aircraft has experienced a runway excursion during landing.

Investigations revealed a reduction of braking performances during the first application was a contributing factor.


[...]

The Revision 1 of this AD mentions GOODRICH carbon brake SEPCARB III (PN 2-1598-1) and introduces limitations to cover brakes mixability for aircraft equipped with GOODRICH carbon SEPCARB III PN 2-1600-3.

The Revision 2 of this AD rectifies the reference of SB A320-32-1233, which must be read A320-32-1238.

The Revision 3 of this AD aims at deleting the limitations to SA3D brakes once they have accumulated 240 flight cycles, in accordance with AFM Temporary Revision (AFM TR) N° 5.03.00/24 issue 2.

Revision 4 of this AD reduces the applicability field.

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3. COMPLIANCE TIME AND MANDATORY ACTIONS:

Within 10 days following June 26, 2002 [effective date of this AD at Revision 3], the flight crew must follow the procedures/limitations of the following AFM TR:

Concerned aircraft	Applicable procedure
1. A320 fitted with GOODRICH SA3D brakes	AFM TR 5.03.00/24 issue 2
2. A320 fitted with GOODRICH carbon SEPCARB III except PN 2-1600-3	AFM TR 5.03.00/21 issue 4
3. A320 fitted with at least one GOODRICH carbon SEPCARB III PN 2-1600-3 in accordance with AIRBUS modification 31803 (SB A320-32-1238)	AFM TR 5.03.00/23 issue 2 (in replacement of AFM TR 5.03.00/21 issue 4 or any previous issues)
4. A319 fitted with at least one GOODRICH carbon SEPCARB III except 2-1600-3	AFM TR 5.02.00/60 issue 4
5. A319 fitted with at least one GOODRICH carbon SEPCARB III PN 2-1600-3 in accordance with AIRBUS modification 31803 (SB A320-32-1238)	AFM TR 5.02.00/61 issue 2 (in replacement of AFM TR 5.02.00/60 issue 4 or any previous issues)

Incorporation of the applicable procedure in the aircraft operation manual and accomplishment by the flight crews will ensure compliance with this AD.

Application of BS A320-32-1247 Revision 2 on an aircraft fitted with 4 GOODRICH carbon SEPCARB III brakes PN 2-1600-3, cancels the requirements of this AD.

4. REFERENCE PUBLICATION:

AIRBUS AFM TR 5.02.00/60 issue 4
 AIRBUS AFM TR 5.03.00/21 issue 4
 AIRBUS AFM TR 5.02.00/61 issue 2
 AIRBUS AFM TR 5.03.00/23 issue 2
 AIRBUS AFM TR 5.03.00/24 issue 2
 AIRBUS Service Bulletin A320-32-1247 Revision 2
 (Any further approved revision of these documents is acceptable).

5. EFFECTIVE DATES:

Original AD : Upon receipt from October 17, 2001
Revisions 1 and 2 : Upon receipt from April 17, 2002
Revision 3 : Upon receipt from June 26, 2002
Revision 4 : Upon receipt from August 31, 2005.

6. REMARK:

For questions concerning the technical contents of this AD's requirements, contact:

AIRBUS SAS - Office of Airworthiness - EAS - Fax: 33 5 61 93 44 51.

7. APPROVAL:

This AD Revision is approved under EASA reference No 2005-6191 dated August 22, 2005.