	AIRWORTHINESS DIRECTIVE No F-2005-189		Distribution: B	Issue date: November 23, 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: None		
Person in charge of airworthiness: AIRBUS SAS			Type(s): A318, A319, A320 and A321 aircraft		
Type certificate(s) No. 180 TCDS No 180					
ATA chapter: 28	Subject: Fuel system - Twin motor low pressure valve actuator				

1. **EFFECTIVITY:**

AIRBUS A318, A319, A320 and A321 aircraft, all certified models and all serial numbers, equipped with Twin Motor Low Pressure (LP) valve actuator Part Number (PN): HTE190001, HTE190001-1 or HTE190001-2.

The aircraft delivered after the effective date of this Airworthiness Directive (AD) and whose MSN is above 2155 are not affected by the requirements of this AD.

Reminder: It is the responsibility of the operator to ensure that any action on Twin Motor Actuator (TMA) on aircraft after having complied with this AD, still complies with the requirements of this AD.

2. **REASONS:**


On a recent incident on an A340, a LP valve was found partially open whereas the aircraft systems indicated that it was closed.

Examination of removed parts revealed that the locating pin (dowel) in the actuator and the slot in the drive valve assembly were damaged.

The investigation showed that the locating pin in the actuator was in some cases, due to manufacturing tolerances, too short to grant the engagement with the slot, and therefore the correct location of the drive assembly. This incorrect alignment of the actuator and the drive assembly does not ensure the complete closure of the valve.

In this situation, the combination of a fire with rupture of the line between the HP and LP valve would not prevent the fuel from flowing towards the fire.

For this reason this AD renders mandatory the inspection of the Twin Motor LP Valve Actuators listed in paragraph 1 here above, in order to identify any damage and to check the length of the locating dowel.

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3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

Unless already accomplished, within 5000 flight hours or within 24 months following the effective date of this AD, whichever occurs first, inspect the Twin Motor LP Valve Actuators with PN HTE190001, HTE190001-1 or HTE190001-2, in accordance with the instructions of AIRBUS Service Bulletin (SB) A320-28-1122, and apply the corrective actions if necessary.

Note: The Aircraft Maintenance Manual (AMM) has been updated to introduce a systematic check of the length of the Twin Motor LP Valve Actuator locating dowel during installation of PNs HTE190001, HTE190001-1 or HTE190001-2.

4. REFERENCE PUBLICATION:

AIRBUS Service Bulletin A320-28-1122.
Any later approved revision of this document is acceptable.

5. EFFECTIVE DATE:

December 03, 2005.

6. REMARK:

For questions concerning the technical content of the requirements of this AD, contact:
AIRBUS SAS - Office of Airworthiness - EAS - Fax: 33 5 61 93 44 51.

7. APPROVAL:

This AD is approved under EASA reference No 2005-6409 dated November 15, 2005.