

Airworthiness Directive of the Netherlands



Ministry of Transport, Public Works and Water Management

Directorate-General of Civil Aviation

Aeronautical Inspection Directorate

Bijzondere Luchtwaardigheids Aanwijzing (BLA)

Caution

In accordance with the Civil Air Navigation Regulations (RTL), Articles 76 and 88, the following Airworthiness Directive (BLA) is issued by the Director-General of Civil Aviation of the Netherlands (Directeur-Generaal van de Rijksluchtvaartdienst -RLD). Airworthiness Directives affect aviation safety. They are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive.

BLA nr : 93-168 (AB)

Date : December 17, 1993

B/E AEROSPACE

INVENTUM Galley Products Division

Model DR1 and DR6 series Water Heaters

EQUIPMENT & FURNISHINGS - WATER HEATERS - INSPECTION/MODIFICATION

Description:

The RLD has recently received a report of an exploded aircraft galley water heater, Inventum Model DR6. The accident occurred during an overheat test in a maintenance facility. Investigation has revealed that the subject water heater was of an earlier type, which did not have a pressure relief valve and no 3-phase safety devices installed on the water tank. The RLD has reviewed and approved Inventum Alert Service Bulletins (ASB) DR1/DR6-25-4 and DR1/DR6-25-5 that describe, respectively, the installation of a pressure relief valve and two 3-phase safety devices on each water heater.

Since an unsafe condition has been identified that is likely to exist or develop on other water heaters of the same or a similar type design, this Airworthiness Directive (BLA) is issued to prevent explosions of water heaters and subsequent injuries to passengers or cabin crew members.

Applicability:

Inventum Model DR1 and DR6 series water heaters, part numbers and serial numbers as listed in Inventum Alert Service Bulletin (ASB) DR1/DR6-25-4 Revision A and ASB DR1/DR6-25-5 Revision A, both dated December 6, 1993, installed in, but not limited to Boeing Model 727 and 737 series airplanes; McDonnell Douglas Model DC-9 series airplanes; and Fokker Model F.28 series (except Mk.0100) airplanes, all serial numbers.

Effective date: January 01, 1994

Compliance: Required as indicated, unless accomplished previously.

(a) Within three calendar months after the effective date of this AD, or at the water heater's next scheduled maintenance, whichever occurs first, perform a one-time inspection on all affected water heaters, including units held as spares, to determine whether a pressure relief valve and/or two 3-phase safety devices have been installed in accordance with either Inventum Service Bulletin (SB) 25-330 dated July 8, 1976; SB 25-331 R1 dated September 28, 1977; or ASB DR1/DR6-25-4 Rev.A dated December 6, 1993, as applicable; and in accordance with Inventum SB 25-340 dated July 7, 1977; SB 25-344 dated January 18, 1978; SB 25-345 dated February 16, 1978; SB 25-346 dated February 16, 1978; or ASB DR1/DR6-25-5 Rev.A dated December 6, 1993, as applicable. If a pressure relief valve and/or two 3-phase safety devices have not been installed, prior to further flight, accomplish either paragraph (a)(1) or (a)(2) of this AD.

(1) Remove the water heater from the aircraft and install a modified water heater, having a pressure relief valve and two 3-phase safety devices installed in accordance with the requirements of these (A)SB's. Or

(2) Deactivate any Model DR1 or DR6 water heater listed in the ASB on which a pressure relief valve and/or two 3-phase safety devices have not been installed, and install a placard stating, "NOT TO BE USED."

Correspondence address

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(b) As of the effective date of this AD, no person shall install a Model DR1 or DR6 water heater, as listed in Inventum ASB DR1/DR6-25-4 Rev.A and ASB DR1/DR6-25-5, both dated December 6, 1993, on any airplane, unless it has been modified in accordance with the requirements of the referenced (A)SB's, as applicable.

Remarks:

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from the manufacturer.

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- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI)
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