AD/ELECT/64 Nordskog Water Heaters and Coffee Makers 10/94

Applicability: Nordskog water heaters and coffee makers, without an integral check valve, identified in Nordskog Industries Inc Service Bulletin SB-93-35 dated 21 October 1993, which were either manufactured between January 1990 and July 1991 or serviced since January 1990.

Note: The water heaters and coffee makers are known to be installed in, but not limited to the following aircraft series:

Airbus Industrie Model A300, A310 and A320;

Boeing Model 727, 737, 747, 757 and 767;

Canadair Model CL-600-1A11, CL-600-2A12, CL-600-2B16 and CL-600-2B19;

Dassault-Aviation Model Mystere Falcon Model 50, 200 and 900;

de Havilland Model DHC-8;

Fokker Model F27 and F28;

Gulfstream Model G-1159 and G-IV;

Lockheed L-1011; and

McDonnell Douglas Model DC-9, DC-9-80, DC-10 and MD-11;

Requirement:

1. Perform a one time inspection of the water heater or coffee maker, in accordance with Nordskog Industries Service Bulletin SB-93-35, to determine if a NUPRO pressure relief valve having part number SS-2C4-65 has been installed.

2. If a NUPRO pressure relief valve part number SS-2C4-65 has been installed then either:

   a. replace the pressure relief valve with a new, improved NUPRO pressure relief valve part number SS-CHF2-65, or

   b. deactivate the water heater or coffee maker and install a placard stating `Not to be used'.

3. NUPRO pressure relief valves part number SS-2C4-65, held as spares are not to be fitted to water heaters or coffee makers identified in Nordskog Industries Service Bulletin SB-93-35 and these water heaters or coffee makers are not to be fitted to an aircraft as replacement items, if a NUPRO pressure relief valve part number SS-2C4-65 is installed.

Note: FAA AD 94-14-03 Amdt 39-8955 refers.

Compliance: 1 - Prior to 15 September 1995.

2 - Prior to further flight.

3 - With effect 15 September 1994.

Background: The FAA received a report of injuries to cabin crew members that resulted from an explosion of a galley water heater caused by the failure of the pressure relief valve. Although that heater was fitted with an integral check valve, the FAA has determined that the possibility exists for the pressure relief valve to fail in other water heaters or coffee makers without the integral check valve.

Compliance with this Directive will decrease the likelihood of galley water heaters and coffee makers exploding, causing either injuries to passengers and crew or structural damage to the aircraft.