

Boeing 700 Series, Over-Heating Static Inverter

Aviation Safety Inspector Mona Tindall from the Aircraft Maintenance Division in Washington D.C. provided the following safety article.

The affected Boeing models include series 737-300, -400, -500, -600, -700C, -800,-900; model/series 747-400; and models 757, 767, and 777 aircraft. This writing is published as received. Contact information is available at the discussion's end.)

The Federal Aviation Administration (FAA) received reports that the static inverter installed on many Boeing airplanes could become overheated, resulting in smoke in the flight deck and cabin, and loss of the electrical standby power system. In one incident, a Boeing 757 airplane experienced smoke in the cockpit and cabin after engine start; resulting in the flight attendants and passengers were evacuated. The source of the smoke was from the static inverter. Maintenance replaced the static inverter and the mounting tray, which high heat severely damaged. Several static inverters from the main fleet exhibited overheating indications when checked. Ready Stock Units were returned to the vendor.

Boeing has issued service bulletins for accomplishing the specified static inverter modification. The service bulletins refer to Avionic Instruments, Inc. Service Bulletin 1-002-0102-1000-24-28, Revision A, dated June 22, 2005; and Revision B, dated July 24, 2006, as additional sources of service information for accomplishing the modification. Boeing's service information may be obtained from

Boeing Commercial Airplane Group,
P.O. Box 3707,
Seattle, Washington 98124-2207.

On January 12, 2009, the Federal Register published a revised supplemental notice of proposed rulemaking (SNPRM), docket number 2002-NM-12-AD. This action is intended to address the identified unsafe condition.

Any person may examine this docket on Internet at <http://www.regulations.gov>

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(For further information, contact Aviation Safety Inspector Mona Tindall, Aircraft Maintenance Division, 950 L'Enfant Plaza, S.W. 5th Floor, Washington D.C., 20024; phone 202-385-6438; mail monalisa.tindall@faa.gov)

Part Total Time: (n/a).