



FAA
Aviation Safety

SPECIAL AIRWORTHINESS INFORMATION BULLETIN

SAIB: NE-11-27

Date: April 5, 2011

SUBJ: Fuel Injector Nozzle - CF6-80 Improperly Welded Fuel Nozzles

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) is to advise you, registered owners, operators, and certificated repair facilities of all airplanes equipped with **General Electric Company (GE) CF6-80A, CF6-80C2 and CF6-80E1 series turbofan engines** of the discovery of improperly repaired fuel nozzles, part numbers (P/Ns) 6980200E03 thru 6980200E16 and corresponding P/Ns 1968M49P03 thru 1968M49P16, with serial numbers (S/Ns) listed in Table 1 of this SAIB.

The affected engines are installed on, but not limited to, **Airbus A300, A310, and A330 series airplanes, Boeing 747 and 767 series airplanes, and McDonnell Douglas MD-11 series airplanes.**

The airworthiness concern is not an unsafe condition that would warrant airworthiness directive action under Title 14 of the Code of Federal Regulations (14 CFR) part 39.

Background

Following a routine maintenance check, an airplane was found with a fault message that required replacing the fuel filter. The subsequent leak check found a leaking fuel nozzle. Testing confirmed that the leak was due to an incomplete weld of the nozzle. Additional fuel nozzles repaired using the same procedure were evaluated and a number of nozzles were identified as having an incomplete weld.

If not corrected, the incomplete weld in these fuel nozzles may lead to a fuel leak and eventual uncommanded in-flight shutdown of the engine.

Recommendation

We recommend that you determine if fuel nozzles, P/Ns 6980200E03 thru 6980200E16 and corresponding P/Ns 1968M49P03 thru 1968M49P16, that have an S/N listed in Table 1 of this SAIB, are installed in your fleet. If you find any, we recommend you take appropriate actions per Parker Hannifin Corporation Service Bulletin 6980200-73-001 SB_R0, dated January 17, 2011.

Table 1 - Affected Fuel Nozzles by S/N

CSDAD236	CSDG1868	PCY4485L	PSFD4990
CSDAD640	CSDG2085	PCY7613E	PSFD5154
CSDAD643	CSDG3643	PCY7845E	PSFD6419
CSDB2317	CSDG5043	PCYBD240	PSFD6635
CSDB2523	CSDG6551	PCYDM841	PSFD8169
CSDB2852	CSDH1666	PCYEF516	PSFD8226
CSDD0111	CSDH2173	PCYEF518	PSFE0428
CSDD3371	CSDH5709	PSFA0807	PSFE2254
CSDD6778	CSDH6815	PSFA2292	PSFE2335
CSDD7662	CSDH9914	PSFA4152	PSFE2606
CSDD8206	CSDJ2244	PSFA7819	PSFE2636
CSDD8418	CSDJ4148	PSFD0012	PSFE4835
CSDD8760	CSDJ7648	PSFD0410	PSFE4857
CSDE2324	CSDJ7955	PSFD1151	PSFE5062
CSDE3377	PCY0365G	PSFD1818	PSFE6144
CSDF3886	PCY1249E	PSFD2725	N/A
CSDF6000	PCY3415E	PSFD4055	N/A
CSDF6061	PCY4318L	PSFD4506	N/A

For Further Information Contact

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For Related Service Information Contact

Parker Hannifin Corporation, Customer Support Operations, Gas Turbine Fuel Systems Division, 7777 N. Glen Harbor Blvd., Glendale, AZ 85307; phone: (623) 872-6160; fax: (623) 872-8696.