

Aviation Safety Bulletin

ASB No: 90-021/M

May, 2001

Subject :

MD-80 AFT Accessory Compartment Corrosion.

Background :

1. One operator reported an SDR item on an MD-82 aircraft, in which corrosion was found and water entrapment scattered in its aft accessory compartment (STA1380~STA1497).
2. This corrosion was found when performing a visual inspection of this area, IAW CPCP (Corrosion Preventive Control Program) work card, during "C" check.
3. Follow-on one time inspection on the same area of their MD-80 fleet, found similar corruptions on another 3 A/C.
4. This AFT Accessory Compartment is furnished with Air Condition Components, APU and AFT Entrance Door Stairway. The corrosion may be resulted from the condensed water by Air Conditioning Operation and raining water trapped in the Stairway.

Recommendation :

1. It is recommended that MD-80/-90 series aircrafts perform visual inspection and corrosion preventive treatment of this area at every "C" Check to ensure integrity of airframe structure..
2. All Air Carriers should establish SDR Reporting Systems to feedback to the Manufacturer and its Regulatory Authority, so as to incorporate into associated Company Manual for implementation.

3. Due to specific operation and environment, Air Carriers should develop their own maintenance program, (e.g. add/delete Task Cards and Items, escalate/de escalate Intervals), to assure continuous airworthiness of aircraft.

4. Air Carriers should provide adequate technical/engineering trainings to the designated personnel to ensure the required task can be properly implemented.