

# **APPENDIX D**

## **Autospoiler Switching Unit and Ground Spoiler Control Box Functional Test Report**

Date: July 01, 1999

To: Joseph M. Sedor, Systems Group Chairman, Flight 1420 Investigation

From: Scott M. Feldman, Engineer, American Airlines  
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Subject: TEST RESULTS OF COMPONENTS FROM AMERICAN FLIGHT 1420

A. PURPOSE

Determine the present functional condition of the auto spoiler switching unit , MPN 5935212-501H S/N 0737, and the ground spoiler control box, MPN 42-091-3 S/N 1993A, removed from aircraft N215AA.

B. LOCATION

The testing was conducted at American Airlines Tulsa maintenance facility, avionics repair shop 260-5. This shop operates under FAR 121 authority and in the past 12 months has certified the operation of 22 ground spoiler control boxes and 67 auto spoiler switching units.

C. TEST PROCEDURE

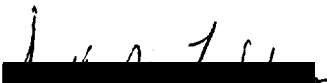
Testing for the auto spoiler switching unit was done in accordance with American Airlines Engineering Specification Order (ESO) 80503 functional test procedure chapter 10. This manual was developed from the Douglas Overhaul Manual ATA chapter 27-62-6.


Testing for the ground spoiler control box was done in accordance with American Airlines ESO 80340 functional test procedure chapter 8. This manual was developed from Crane, Hydro-Aire Division, Overhaul Manual 42-091-3, ATA chapter 32-40-72.

D. TEST RESULTS

The auto spoiler switching unit, MPN 5935212-501H S/N 0737, passed all functional tests in chapter 10 per the manual. No findings were noted.

The ground spoiler control box, MPN 42-091-3 S/N 1993A, passed all functional tests in chapter 8 per the manual. No findings were noted.

  
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