



NTSB National Transportation Safety Board

Office of Aviation Safety

American Airlines Flight 1400 St. Louis, Missouri

Captain David Tew
Operational Factors



ATSV-Open Light

- Crew noticed light after takeoff
- Crew discussed valve and light
- F/O responded to ATC
- Crew completed configuration clean-up
- Crew did not perform ATSV-Open checklist
- AA has modified alerting system

Engine Fire Warning

- Captain stated he would fly and F/O would perform engine fire checklist
- No one designated for radio
- F/O performed first two checklist items
- F/O interrupted checklist to respond to ATC
- Captain communicated with F/As
- Checklist interrupted for almost two minutes while fire continued to burn

Engine Fire Warning (cont.)

- Checklist interrupted before fuel shutoff or fire agent discharged
- Interruption a factor in electrical and hydraulic abnormalities
- Crew failed to complete checklist
- Hydraulic abnormality led to failure of nose gear to extend
- Go-around executed with fire indication still present

Pneumatic Crossfeed Valve

- F/O opened pneumatic crossfeed valve after landing
- Caused engine fire handle to retract
- Fuel re-introduced into engine
- Passengers deplaned
- Boeing manuals contained guidance on pneumatic crossfeed valve
- AA manuals lacked guidance



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