



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

May 31, 2017

Attachment 18 - Boeing Airplane Flight Manual – Engine Fire

OPERATIONAL FACTORS/HUMAN PERFORMANCE

DCA17FA021

F I R E (Continued)

ENGINE FIRE, SEVERE ENGINE DAMAGE, OR SEPARATION

If engine fire, or severe engine damage or engine separation has occurred, or high airframe vibration with abnormal engine indications occurs:

- Thrust Lever CLOSE
- Fuel Control Switch. CUTOFF
- Engine Fire Switch PULL

If fire warning light remains illuminated:

- Engine Fire Switch. ROTATE

After 30 seconds, if fire warning light remains illuminated:

- Engine Fire Switch. ROTATE TO REMAINING BOTTLE
- APU (if available) START

Prepare for one-engine-inoperative landing.

If high airframe vibration occurs and continues after engine is shut down, without delay reduce airspeed and descend to a safe altitude which results in an acceptable vibration level. If high airframe vibration returns and further airspeed reduction and descent is not practical, increasing the airspeed may reduce the vibration.

APU FIRE

- APU Fire Switch. PULL/ROTATE

If APU fire warning light illuminated:

- APU Fire Switch. ROTATE TO REMAINING BOTTLE
(if installed)

EMERGENCY PROCEDURES

F I R E (Continued)

CARGO FIRE - FWD/AFT

- Cargo Fire Switch (FWD/AFT) ARMED
- Cargo Fire Bottle Discharge Switch PUSH
 Push and hold for 1 second.
- Equipment Cooling Selector OVRD
- If forward cargo fire:
 Cargo Heat Fwd Switch OFF
- If aft cargo fire:
 Cargo Heat Aft Switch (and Bulk if installed) OFF
- Flight Deck Temperature Selector FULL COOL
- If airplane altitude above 10,000 feet:
 Landing Altitude Selector 7,500 ft
 Cabin Altitude Auto Rate Control MAX
- Pack Control Selector (either) OFF
- If airplane altitude above 35,000 ft:
 Descend ACCOMPLISH
 Descend at or below 35,000 feet.
- Landing Altitude Selector SET
 Set landing field elevation prior to descent for landing

ELECTRICAL SMOKE OR FIRE

Use oxygen masks and smoke goggles, if required, establish crew communications, and select both recirculation fans (if installed) to OFF.

If smoke source is known, remove electrical power from affected equipment.

If smoke source is unknown, select Utility Bus Switches to OFF and Equipment Cooling Selector to STBY.

EMERGENCY PROCEDURES

F I R E (Continued)

WHEEL WELL FIRE

Landing Gear Lever (Maximum 270 KIAS/.82M) DOWN

If the landing gear must be retracted for airplane performance, the landing gear may be retracted 20 minutes after the FIRE WHEEL WELL message is no longer displayed.

SMOKE REMOVAL (Cockpit or cabin source)

Oxygen Masks and Smoke Goggles (if required) ON
Crew Communications (if required) ESTABLISH
Flight Deck Door CLOSED
Equipment Cooling Selector OVRD
Utility Bus Switches (Both) OFF
Landing Altitude Selector 9,500 FT
Auto Rate Control MAX