



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

May 31, 2017

Attachment 11 - American Airlines Engine Fire/Severe Damage Checklist

OPERATIONAL FACTORS/HUMAN PERFORMANCE

DCA17FA021

ENGINE FIRE or Engine Severe Damage or Separation

Messages: L ENGINE FIRE R ENGINE FIRE

Condition: One or more of these occur:

- Engine fire warning
- Airframe vibrations with abnormal engine indications
- Engine separation

- 1 A/T ARM switch OFF
- 2 Thrust lever
(affected side) Confirm Idle
- 3 FUEL CONTROL switch
(affected side) Confirm CUTOFF
- 4 Engine fire switch
(affected side) Confirm Pull
- 5 **If** the engine fire warning light is illuminated:
 - Engine fire switch
(affected side) Rotate to the stop and
hold for 1 second
 - If** after 30 seconds the engine fire warning light
stays illuminated:
 - Engine fire switch
(affected side) Rotate to
the other stop and
hold for 1 second



▼ENGINE FIRE or Engine Severe Damage or Separation continued▼

- 6 **If** high airframe vibration occurs and continues after engine shutdown:

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 are not practical, increasing the airspeed may reduce the vibration.

- 7 Choose one:

◆APU is **available**:

▶▶Go to step 8

◆APU is **not** available:

▶▶Go to step 9

- 8 APU selector START, then ON
- 9 Transponder mode selector TA
- 10 Plan to land at the nearest suitable airport.
- 11 **If** wing anti-ice required:

PACK control selector (affected side) OFF

ISLN switch (affected side) On

When wing anti-ice no longer required:

L and R ISLN switches Off

8.4 FIRE PROTECTION

11 MAR 15

▼ENGINE FIRE or Engine Severe Damage or Separation continued▼

12 GND PROX FLAP OVRD switch OVRD

Note: Do **NOT** use Flaps 15 during approach.

13 Use flaps 20 and VREF 20 for landing.

14 Use flaps 5 for go-around.

15 Check the [Non-Normal Landing Configurations Advisory Landing Distances in the Performance Inflight-QRH chapter](#).

16 Do **not** accomplish the following checklists:

ENGINE BOTTLE

ENGINE SHUTDOWN

PACK OFF

