AIRPLANE FLAMMABLE LEAKAGE ZONES

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AIRPLANE FLAMMABLE LEAKAGE ZONES

1. GENERAL DATA

A. Definition of a Flammable Leakage Zone

A flammable leakage zone is an area where leakage of flammable fluids or flammable vapors can occur as a result of:

- One failure
- Leakage during normal operation.

B. General Conditions

Refer to Subject 20-30-00 for the applicable conditions for protection of electrical connections in a flammable leakage zone.

C. Fire Safety Precautions

Refer to Subject 20-00-10 for the fire safety precautions in that apply to the electrical power of the circuits in a flammable leakage zone.

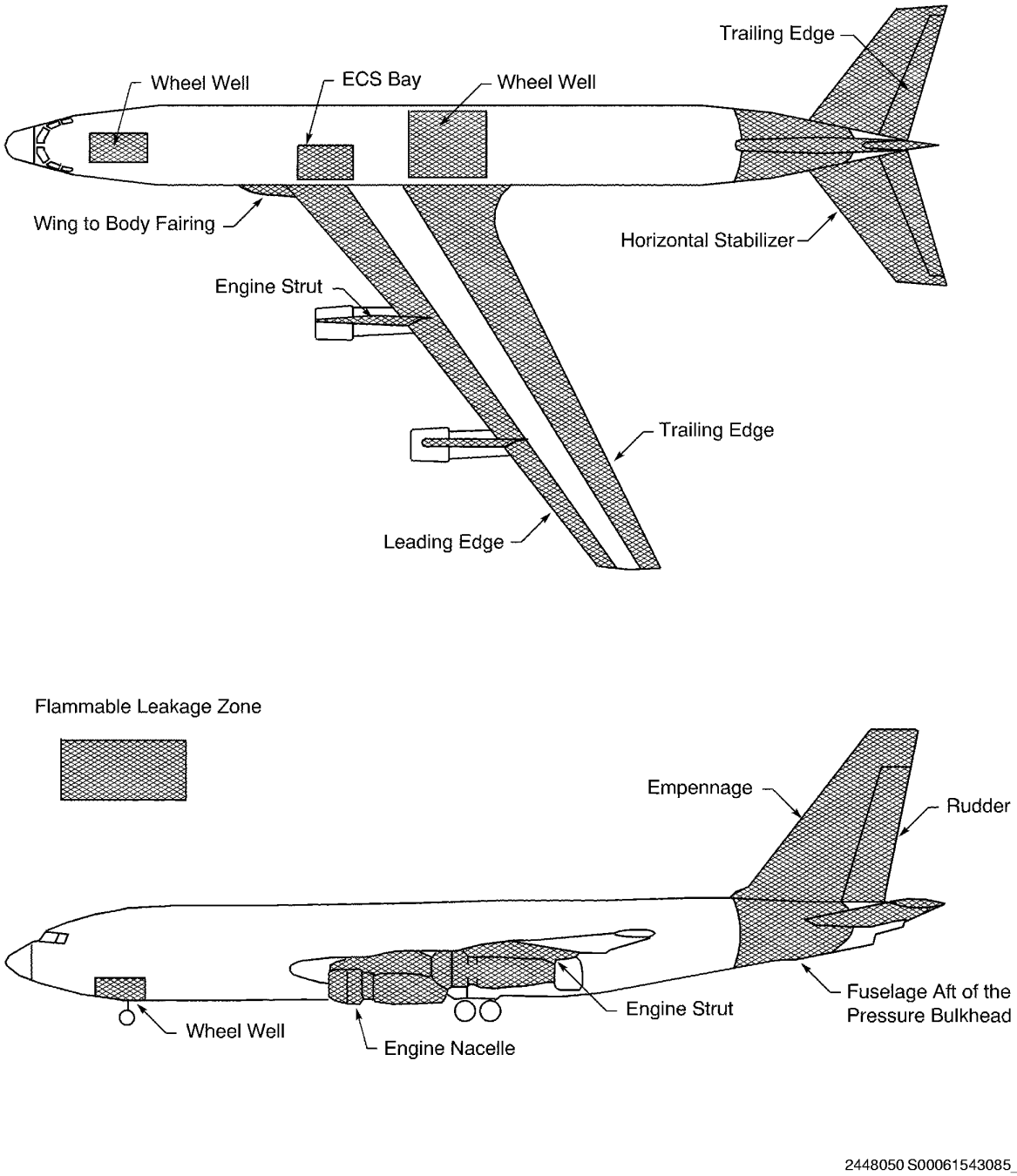
These conditions are applicable in an area where there are flammable vapors:

- All flames, smoking, sparks, and other sources of ignition must not occur
- Tools and test equipment that can make a spark must not be used
- A megohmmeter must not be used
- All electrical equipment, such as lights, motors, wiring, etc., must meet the necessary electrical and fire codes
- The accumulation of vapors must be prevented by sufficient ventilation.

AIRPLANE FLAMMABLE LEAKAGE ZONES

2. LOCATION OF THE FLAMMABLE LEAKAGE ZONES

A. 707 Model Flammable Leakage Zones



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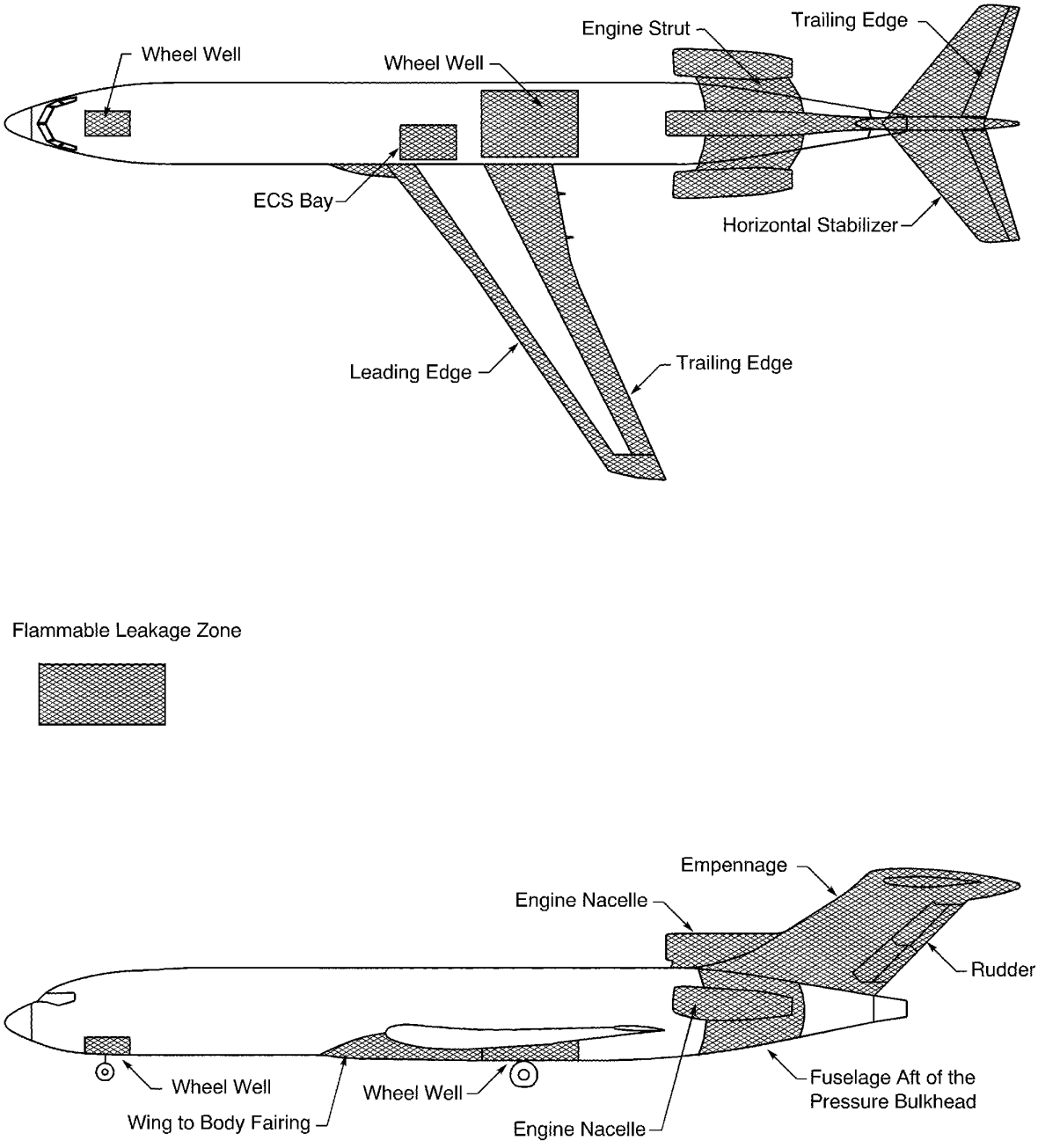
FLAMMABLE LEAKAGE ZONES
Figure 1

AIRPLANE FLAMMABLE LEAKAGE ZONES

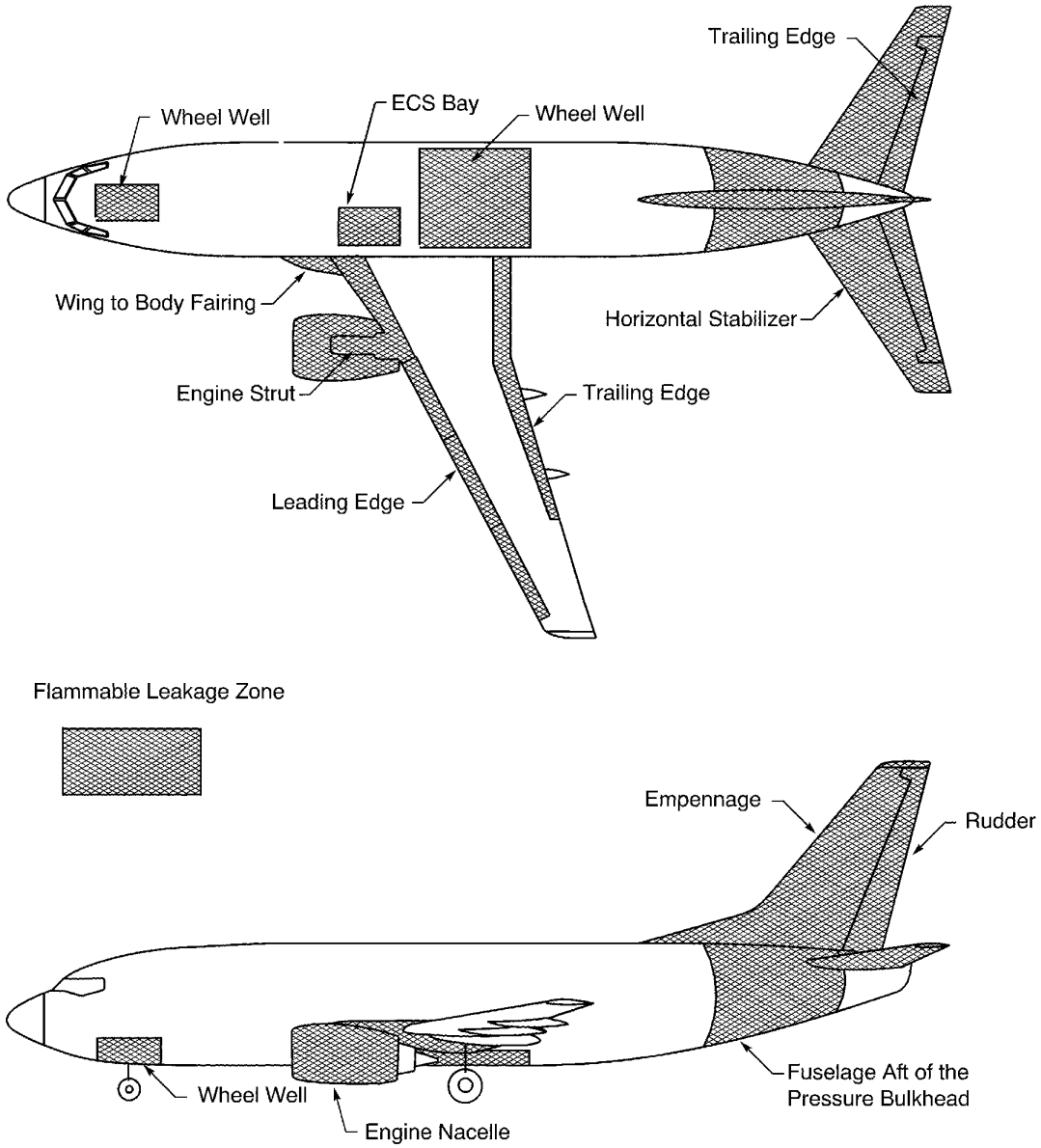
B. 727 Model Flammable Leakage Zones



FLAMMABLE LEAKAGE ZONES
Figure 2

AIRPLANE FLAMMABLE LEAKAGE ZONES

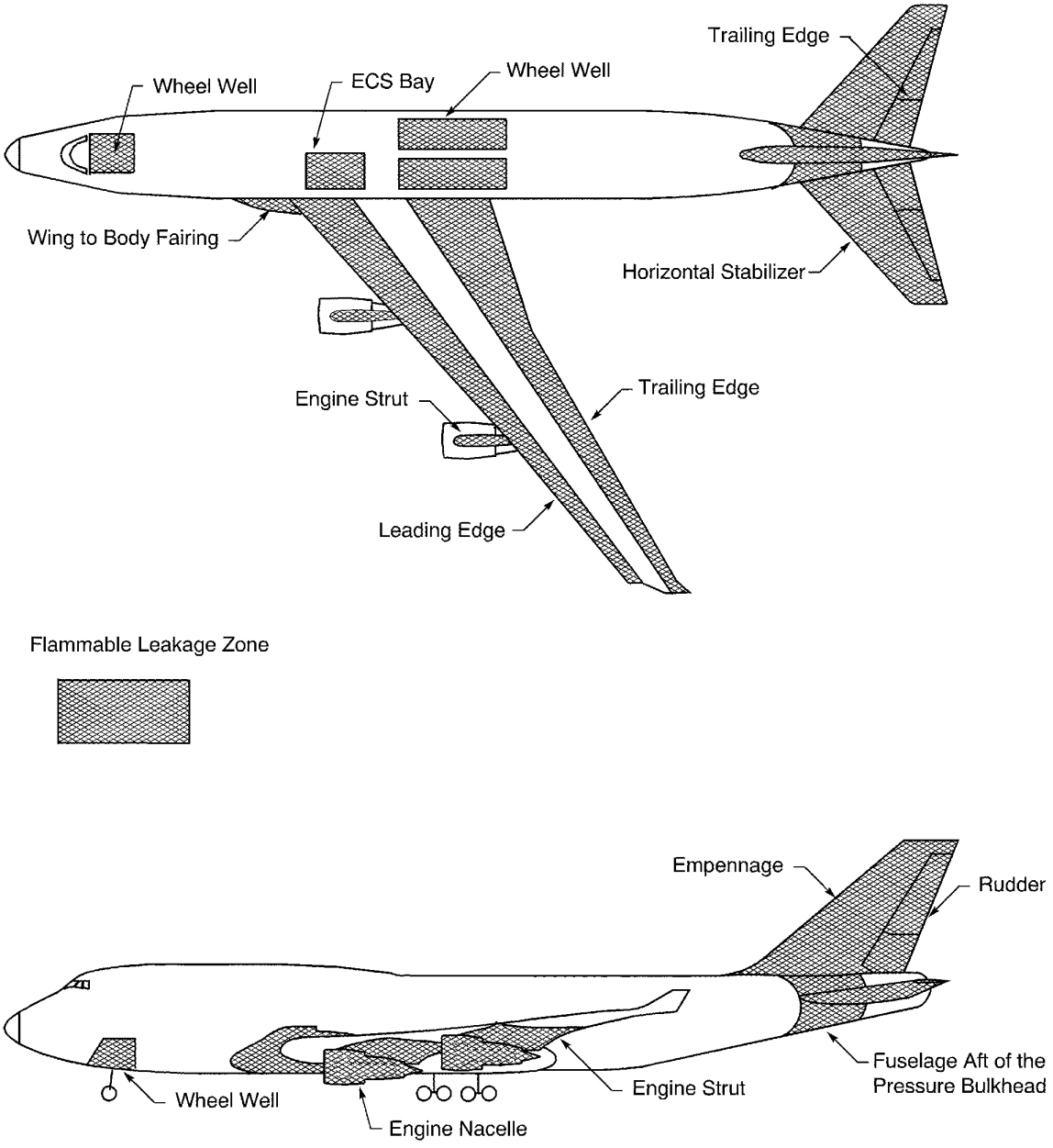
C. 737 Model Flammable Leakage Zones



FLAMMABLE LEAKAGE ZONES
Figure 3

AIRPLANE FLAMMABLE LEAKAGE ZONES

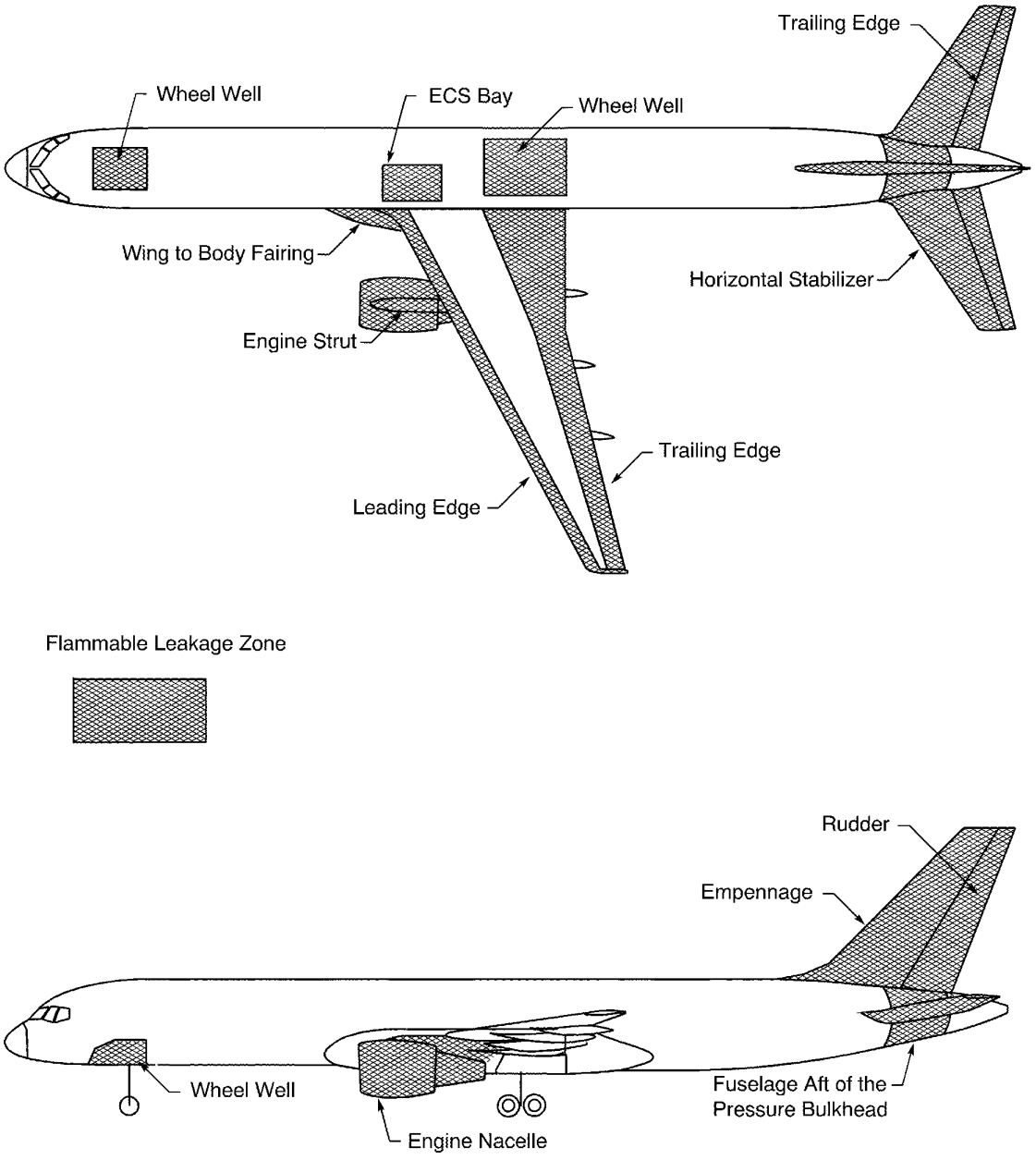
D. 747 Model Flammable Leakage Zones



FLAMMABLE LEAKAGE ZONES
Figure 4

AIRPLANE FLAMMABLE LEAKAGE ZONES

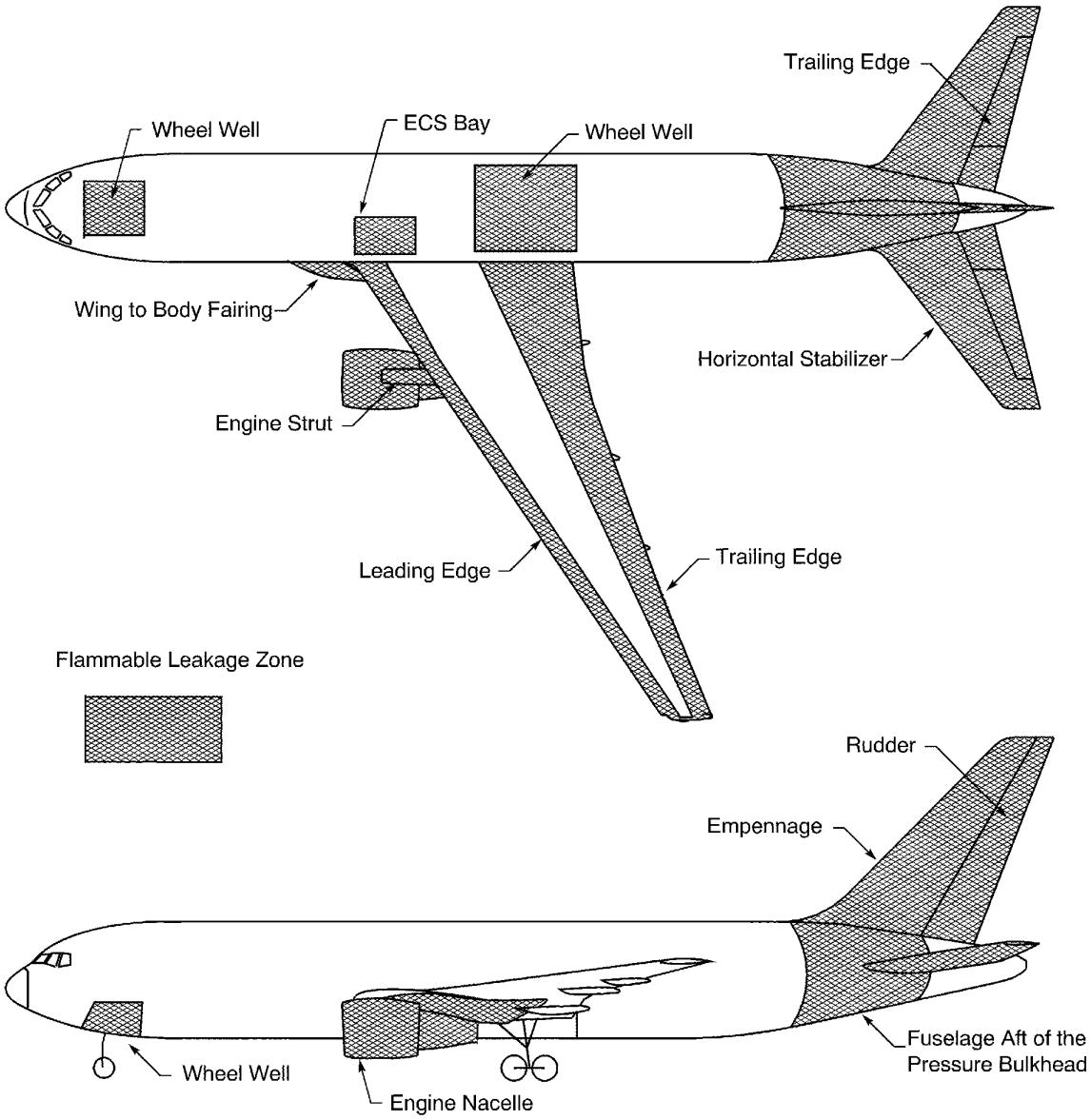
E. 757 Model Flammable Leakage Zones



FLAMMABLE LEAKAGE ZONES
Figure 5

AIRPLANE FLAMMABLE LEAKAGE ZONES

F. 767 Model Flammable Leakage Zones



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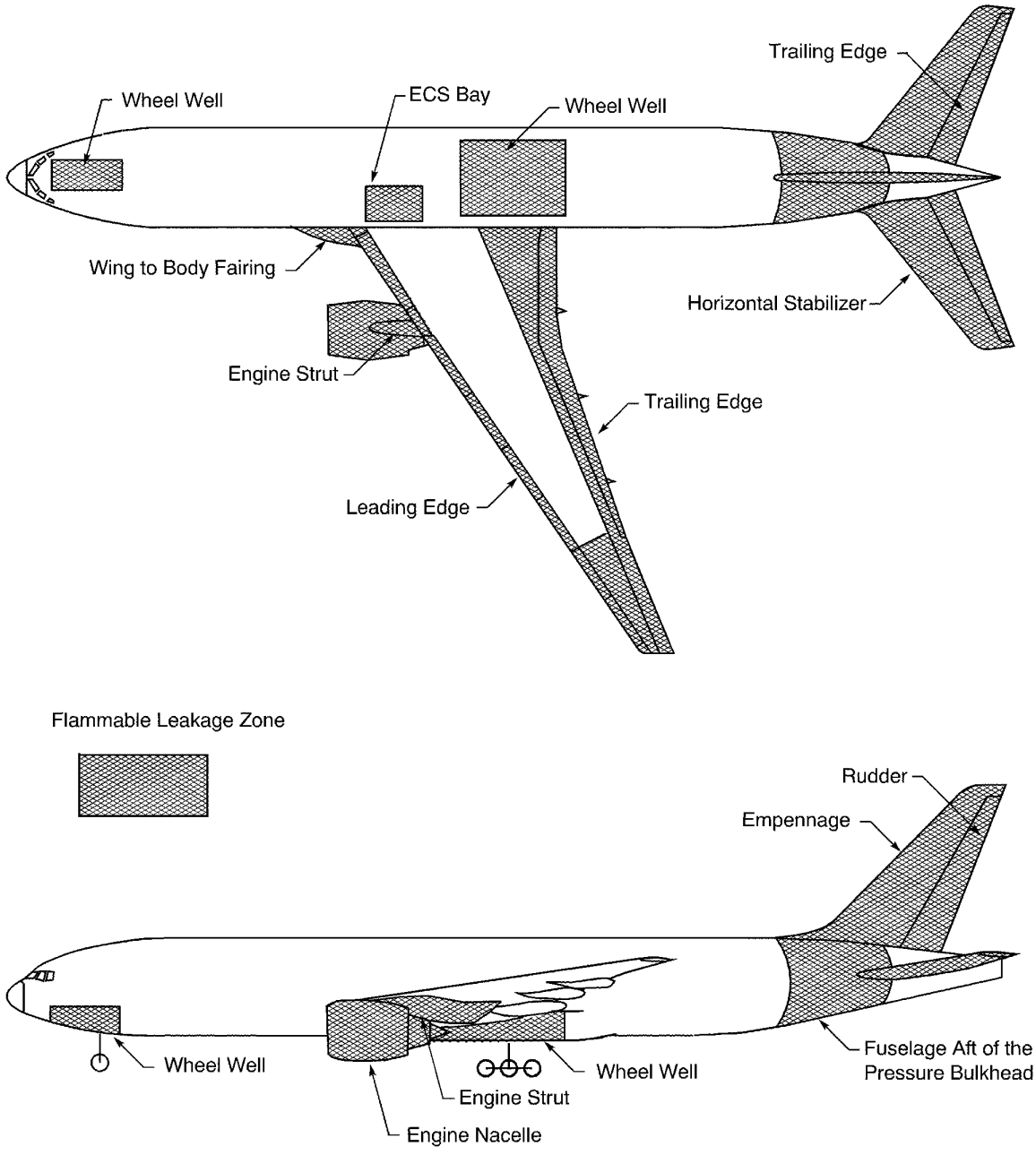
FLAMMABLE LEAKAGE ZONES
Figure 6

AIRPLANE FLAMMABLE LEAKAGE ZONES

G. 777 Model Flammable Leakage Zones



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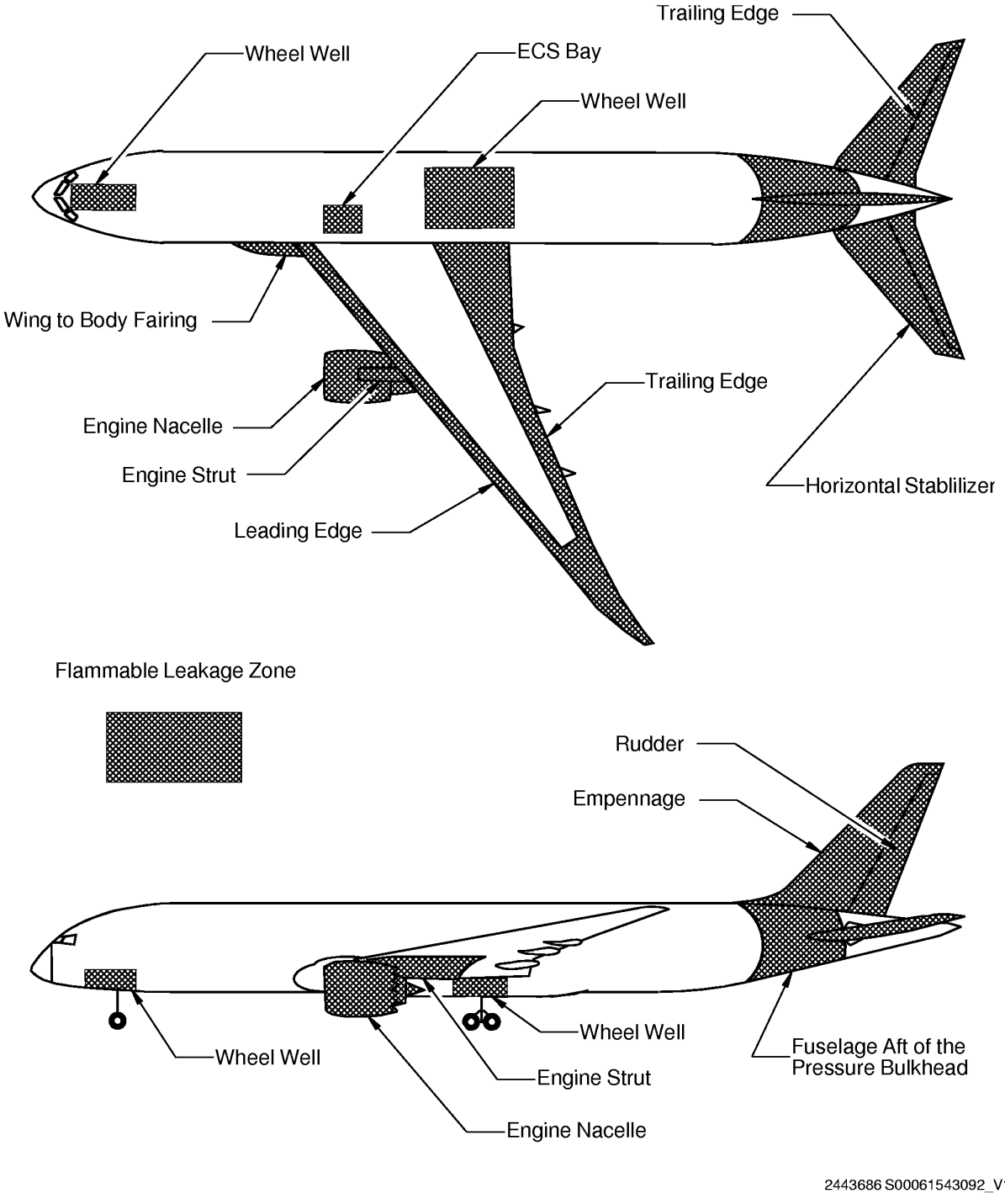
FLAMMABLE LEAKAGE ZONES
Figure 7

AIRPLANE FLAMMABLE LEAKAGE ZONES

H. 787 Model Flammable Leakage Zones



FLAMMABLE LEAKAGE ZONES
Figure 8

AIRPLANE TEMPERATURE AREAS

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AIRPLANE TEMPERATURE AREAS

1. GENERAL DATA

A. General Conditions

The materials used for repair of a wire harness in a high temperature area must have Temperature Grade D.

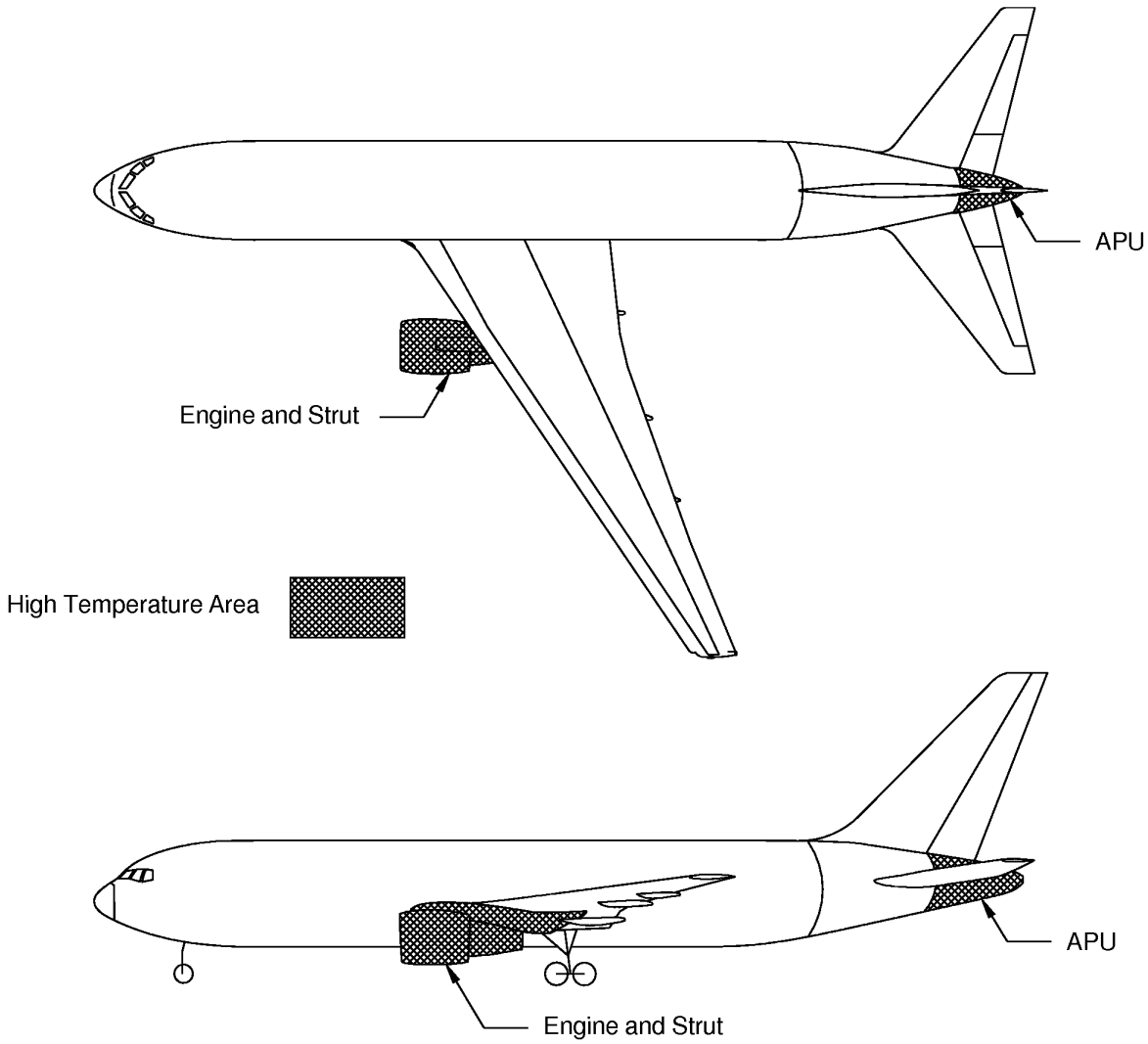
Refer to:

- The applicable repair subject for the selection of materials
- Subject 20-10-13 for the general conditions for the repair of wire and cable.

AIRPLANE TEMPERATURE AREAS

2. LOCATION OF HIGH TEMPERATURE AREAS

A. Typical and Usual Locations of High Temperature Areas



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TYPICAL AND USUAL LOCATIONS OF HIGH TEMPERATURE AREAS FOR ALL MODELS
Figure 1

AIRPLANE VIBRATION AREAS

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AIRPLANE VIBRATION AREAS

1. GENERAL DATA

A. General Conditions

For the applicable conditions for the assembly and installation of wire harnesses in a high vibration area, refer to Subject 20-10-11.

2. LOCATION OF THE VIBRATION AREAS

A. Usual Locations of the Vibration Areas

Table 1
VIBRATION LEVEL AND VIBRATION AREA TYPE

Vibration Level	Type
1	Not a high vibration area
2	A high vibration area
3	A high vibration area

The usual locations for vibration areas with Vibration Level 1 are:

- The cabin
- The EE bay
- The cargo area.

The usual locations for vibration areas with Vibration Level 2 are:

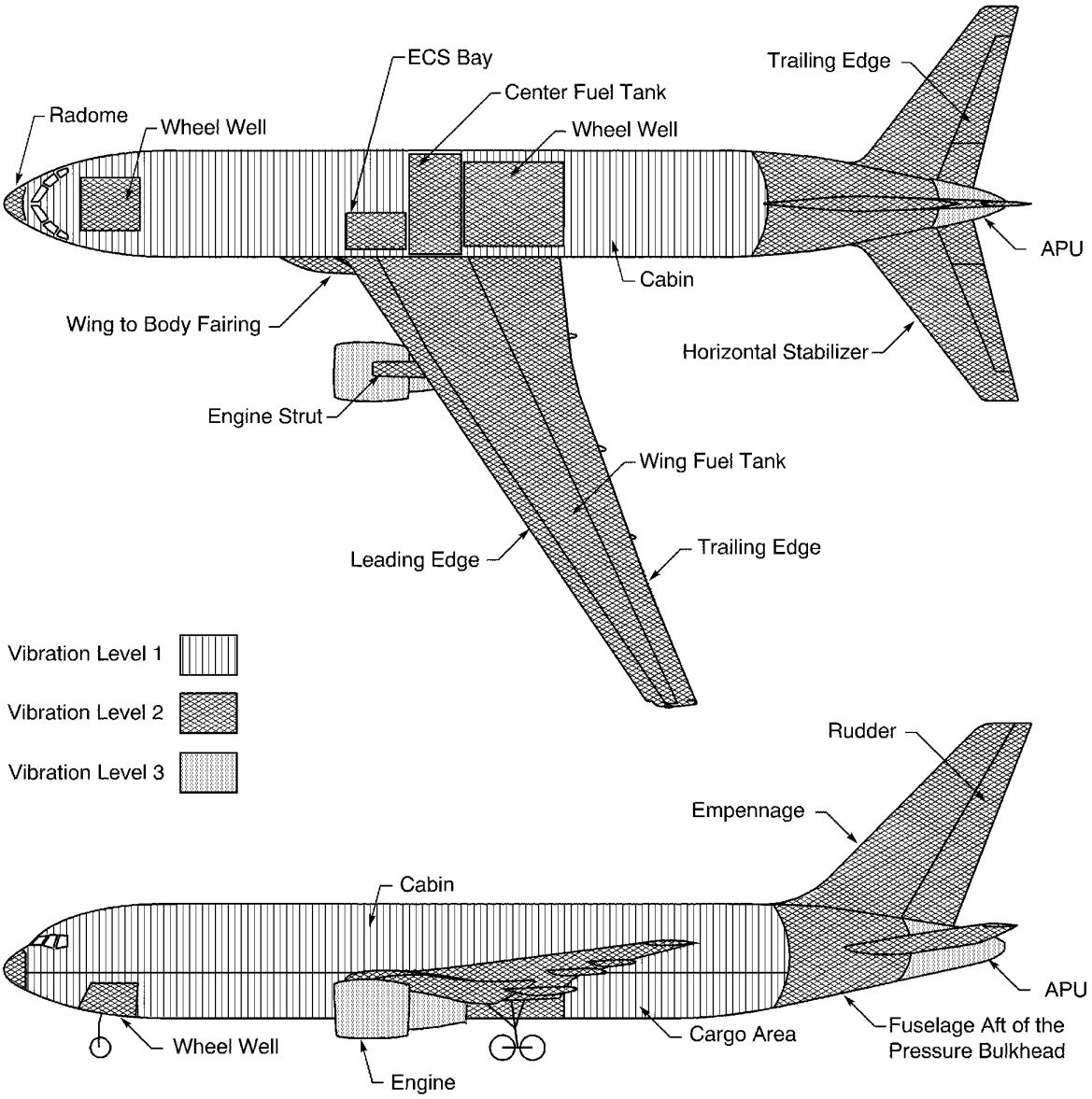
- The ECS bay
- The empennage
- The fuel tanks
- The horizontal stabilizer
- The leading edge of the wing
- The radome
- The rudder
- The struts
- The trailing edge of the wing
- The wheel wells
- The wing to body fairing.

The usual locations for vibration areas with Vibration Level 3 are:

- The engine core
- The engine nacelle
- The APU compartment.

Refer to Figure 1.

AIRPLANE VIBRATION AREAS



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USUAL LOCATIONS OF THE VIBRATION AREAS FOR ALL MODELS
Figure 1