

Infographic Catalogue

Aeronautical Diagrams and Narrative Artworks

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201512

Accident

Includes the following subcategories:

- Airliner Asia Pacific**
- Airliner Australia**
- Airliner Europe**
- Airliner Middle East**
- Airliner North America**
- Durigables R101**

Accident Airliner Asia Pacific

Accident Airliner Asia Pacific
1980-2000

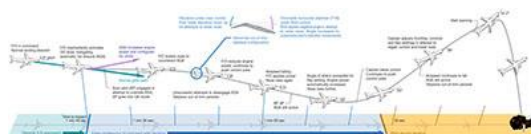
Airline, China Airways

B1816 (Flight 140)

1980-2000, Airline, China Airways

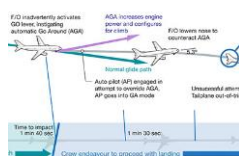
1994 Nagoya, Japan Aircraft Accident

Diagram explaining the sequence of key events leading up to the crash of China Airways Flight 140 (A300) at Nagoya Airport on 26 April 1994.



Drawing code: 1262-01

Close up detail of main artwork



Drawing code: 1262-01A

Accident Airliner Asia Pacific
2000-2020

Airline, Singapore Airlines

9V-SPK (Flight 006)

2000-2020, Airline, Singapore Airlines

2000 CKS Airport, Taiwan Aircraft Accident

Narrative diagram showing the path taken by Flight 006 when it inadvertently took off on a closed runway during poor weather on 31 October 2000. The aircraft broke up after hit runway construction equipment resulting in the loss of 64 lives.



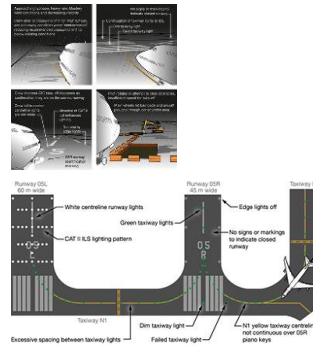
Drawing code: 1220-01

Detail artwork to accompany main narrative diagram of the path taken by Flight 006 when it inadvertently took off on a closed runway during poor weather on 31 October 2000.

Drawing code: 1220-02

Diagram of the lighting and markings at the start of runways 05L and 05R. Helps explain why Flight 006 inadvertently turned onto a closed runway during poor weather on 31 October 2000, but also raised question as to why the crew missed some critical cues.

Drawing code: 1220-03



Accident Airliner Australia

Accident Airliner Australia
1960-1970

Airline, Ansett-ANA Airlines Viscount

VH-TCV

1960-1970, Airline, Ansett-ANA Airlines Viscount

1961 Botany Bay, Sydney, Australia Aircraft Accident

Loss of the Ansett-ANA Viscount VH-TCV on 30 November 1961, during severe weather. Turbulence induced a upset, leading to a high speed dive. During attempted pull up the port wing separated. Illustration of the probable flight path and sequence of events.

Drawing code: 0817-02



Accident Airliner Europe

Accident Airliner Europe
2000-2020

Airline, Air France Concorde

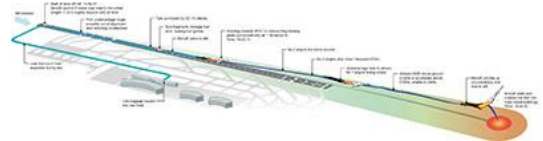
F-BTSC (Flight AF 4590)

2000-2020, Airline, Air France Concorde

July 2000 Paris, France

Narrative diagram illustrating some of the events and factors leading to the fatal crash of Flight AF 4590, Concorde F-BTSC on 25 July 2000.

Drawing code: 0892-200



Accident Airliner Middle East

Accident Airliner Middle East
2000-2020

Airline, UPS 7474 Freighter

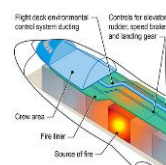
N571UP (Flight SCAT-IC)

2000-2020, Airline, UPS 7474 Freighter

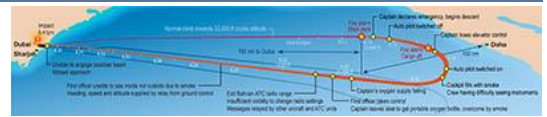
Sept 2010 Dubai Aircraft Accident

UPS 747 Freighter crashed at Dubai, on 3 September 2010 after a cargo fire affected the pilots ability to control the aircraft. Diagram shows the location of the fire and the aircraft systems that were damaged.

Drawing code: 1152-DI



Flight path sequence of events leading to the crash of a UPS 747 Freighter at Dubai, on 3 September 2010. A cargo fire lead to control problems and smoke in the cockpit. The aircraft returned to Dubai but was lost during attempted landing.



Drawing code: 1152-FP

Accident Airliner North America

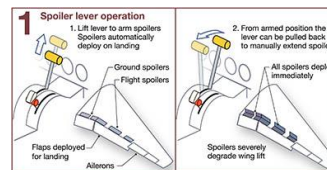
Accident Airliner North America 1960-1970

Airline, Air Canada DC-8

CF-TIW (Flight 621)

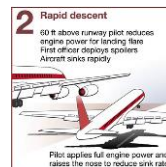
1960-1970, Airline, Air Canada DC-8 July 1970 Toronto, Canada Aircraft Accident

Sequence of events leading to the crash of DC-8, CF-TIW, while landing at Toronto Pearson International Airport, 5 July 1970. Illustration showing the cockpit control for spoiler deployment.



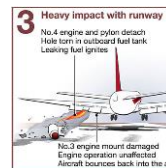
Drawing code: 1103-DI1

Sequence of events leading to the crash of DC-8, CF-TIW, while landing at Toronto Pearson International Airport, 5 July 1970. Illustration showing the rapid descent caused by the spoiler deployment.



Drawing code: 1103-DI2

Sequence of events leading to the crash of DC-8, CF-TIW, while landing at Toronto Pearson International Airport, 5 July 1970. Illustration showing the damage caused by the hard landing.



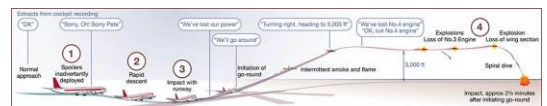
Drawing code: 1103-DI3

Sequence of events leading to the crash of DC-8, CF-TIW, while landing at Toronto Pearson International Airport, 5 July 1970. Illustration showing the engine loss and structural failure caused by the fire in the wing.



Drawing code: 1103-DI4

Sequence of events leading to the crash of CF-TIW. Spoilers were accidentally deployed prior to touchdown resulting in a heavy landing and a wing fire. A 'go-round' was achieved however the aircraft suffered structural failure, crashing soon after.



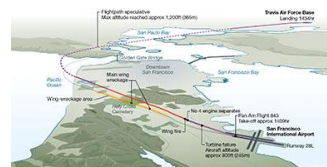
Drawing code: 1103-MI

Airline, Pan American World Airways

N761PA (Flight 843)

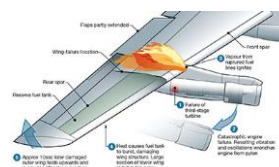
1960-1970, Airline, Pan American World Airways 1965 San Francisco, USA Aircraft Accident

Incident involving the loss of No 4 engine and wing fire after take-off from San Francisco airport, 28 June 1965. Aircraft landed safely at Travis Air Force Base. Diagram showing the flightpath and sequence of events. Can be adjusted to suit page format



Drawing code: 1273-01

Incident involving the loss of No 4 engine and wing fire after take-off from San Francisco airport, 28 June 1965. Aircraft landed safely at Travis Air Force Base. Diagram showing the engine failure and wing fire. Can be adjusted to suit page format.



Drawing code: 1273-02

Accident Durigables R101

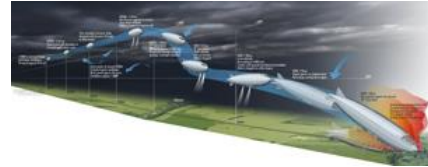
Accident Durigables R101 R101 Crash Sequence

Royal Air Force,

R101

R101 Crash Sequence, Royal Air Force, 5 Oct 1930 France

Diagram illustrates the key events in the final few minutes before the crash of the R101 on the night of the 4th-5th October 1930.



Drawing code: R101-01

Anti-Submarine Weapons

Includes the following subcategories:

Techniques Allies, WW2

Anti-Submarine Weapons Techniques Allies, WW2

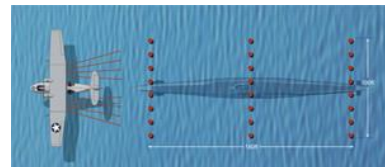
Anti-Submarine Weapons Techniques Allies, WW2

Retrobomb

US Navy, Operation of the Retrobomb

Retrobomb, US Navy, Operation of the Retrobomb 1943

Illustrating the bomb dispersal pattern. The retrobomb (codename 'Mousetrap') were fitted to MAD equipped Catalinas of VP-63. The squadron used the system successfully against German submarines in the Strait of Gibraltar in early 1944.



Drawing code: 0817-01

Diagrams

Includes the following subcategories:

Aerodynamics
Infographics

Diagrams Aerodynamics

Diagrams Aerodynamics

Turbulence

, Wingtip Vortices



Turbulence, , Wingtip Vortices

A stylised diagram showing the flow of wingtip vortices from the wings of a medium airliner.



Drawing code: 0892-100

Diagrams Infographics

Diagrams Infographics

Flight Safety

, Flight Data Recorders (Black Box)



Flight Safety, , Flight Data Recorders (Black Box)

Stylised diagram showing the position of the "black boxes" and the input sensors that provide data to the recorders. The featured aircraft is a Boeing 737.



Drawing code: 0169-00

Diagrams Infographics

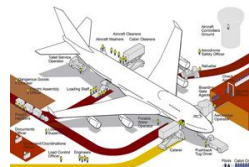
Human Factors

, Aircraft Ground Support Staff



Human Factors, , Aircraft Ground Support Staff

Stylised diagram indicating the approximate number of ground based support staff required to prepare a typical Boeing 747 for a scheduled airline flight. Originally developed for an article on human factors.



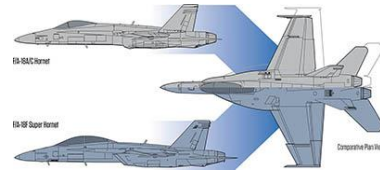
Drawing code: 0778-00

Diagrams Infographics Comparative Diagrams

, Airframe comparison: F/A-18A v FA-18F

Comparative Diagrams, , Airframe comparison: F/A-18A v FA-18F

Diagram comparing the McDonnell Douglas F/A-18A Hornet and the Boeing FA-18F Super Hornet. Featured a side view of each type and a split plan view. Artwork colour and proportions can be adjusted to suit specific page layouts.

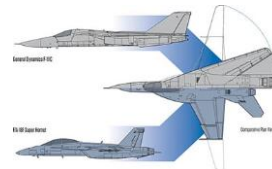


Drawing code: 0993_HvSH

, Airframe comparison: F-111 v F/A-18 Super Hornet

Comparative Diagrams, , Airframe comparison: F-111 v F/A-18 Super Hornet

Diagram comparing the General Dynamics F-111 and the Boeing F/A-18F Super Hornet. Featured a side view of each type and a split plan view. Artwork colour and proportions can be adjusted to suit specific page layouts.

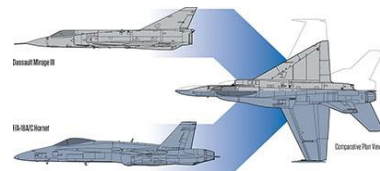


Drawing code: 0993_FvSH

, Airframe comparison: Mirage III v FA-18A Hornet

Comparative Diagrams, , Airframe comparison: Mirage III v FA-18A Hornet

Diagram comparing the Dassault Mirage III and the McDonnell Douglas F/A-18A Hornet. Featured a side view of each type and a split plan view. Artwork colour and proportions can be adjusted to suit specific page layouts.

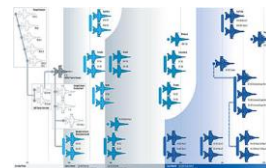


Drawing code: 0993_MvH

, F/A-18 Development Chart

Comparative Diagrams, , F/A-18 Development Chart

The diagram illustrates the development lineage of the F/A-18 series; Northrop Cobra and LWF concepts to the McDonnell Douglas F/A-18 Classic Hornet, through to the later Boeing Advanced Super Hornet series.



Drawing code: 0993_LC

Flying Manoeuvre

Includes the following subcategories:

Military

Flying Manoeuvre Military

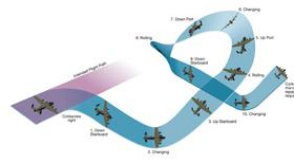
Flying Manoeuvre Military

Defensive 'Corkscrew'

Royal Air Force, Lancaster Corkscrew

Defensive 'Corkscrew', Royal Air Force, Lancaster Corkscrew WW2

Diagram illustrating the manoeuvre used by RAF Lancaster bomber to avoid German night fighter attacks. The manoeuvre was known as the 'corkscrew'. The version used by the Lancaster was more strenuous than the standard "corkscrew".



Drawing code: 0823-01