	AI 182	PA103	UAL 811	TWA 800
Evidence	(Forward Cargo Door)	(Forward Cargo Door)	(Forward Cargo Door)	(Forward Cargo Door)
Boeing 747	Yes	Yes	Yes	Yes
Early model -100 or -200	Yes	Yes	Yes	Yes
Overpressure relief door(s) in forward cargo door open/jammed	Maybe	Yes	Yes	Yes
Sudden airframe breakup in flight (partial or total)	Yes	Yes	Yes	Yes
Breakup occurs amidships	Yes	Yes	Yes	Yes
High flight time (over 55,000 flight hours)	No	Yes	Yes	Yes
Aged airframe (over 18 years of service)	No	Yes	Yes	Yes
Previous maintenance problems with forward cargo door	Yes	Maybe	Yes	Maybe
Initial event within an hour after takeoff	No	Yes	Yes	Yes
Initial event at about 300 knots while proceeding normally in all parameters	Yes	Yes	Yes	Yes
Initial event has unusual radar contacts	Maybe	Yes	Yes	Yes
Initial event involves hull rupture in or near forward cargo door area	Yes	Yes	Yes	Yes
Initial event starts with sudden sound	Yes	Yes	Yes	Yes
Initial event sound is loud	Yes	Yes	Yes	Yes
Initial event sound is audible to humans	Yes	Yes	Yes	Yes
Initial event followed immediately by abrupt power cut to data recorder	Yes	Yes	Yes	Yes
Initial event sound matched to explosion of bomb sound	No	No	No	No
	AI 182	PA103	UAL 811	TWA 800
Initial event sound matched to explosive decompression sound in wide body airliner	Yes	Yes	Yes	Yes
Torn off skin on fuselage above forward cargo door area	Yes	Yes	Yes	Yes

Unusual paint smears on and above forward cargo door	Maybe	Maybe	Yes	Yes
Evidence of explosion in forward cargo compartment	Yes	Yes	Yes	Yes
Foreign object damage to engine or cowling of engine number three	Yes	Yes	Yes	Yes
Fire/soot in engine number three	Maybe	Yes	Yes	Yes
Foreign object damage to engine or cowling of engine number four	Yes	Yes	Yes	Yes
Right wing leading edge damaged in flight	Yes	Maybe	Yes	Maybe
Vertical stabilizer damaged in flight	Yes	Yes	Yes	Maybe
	AI 182	PA103	UAL 811	TWA 800
Right horizontal stabilizer damaged in flight	Yes	Yes	Yes	Yes
More severe inflight damage on starboard side than port side	Yes	Yes	Yes	Yes
Port side relatively undamaged by inflight debris	Yes	Yes	Yes	Yes
Vertical fuselage tear lines just aft or forward of the forward cargo door	Yes	Yes	Yes	Yes
Fracture/tear/rupture at a midspan latch of forward cargo door	Maybe	Yes	Yes	Yes
Midspan latching status of forward cargo door reported as latched	No	No	No	No
Airworthiness Directive 88-12-04 implemented (stronger lock sectors)	No	No	No	Yes
Outwardly peeled skin on upper forward fuselage	Yes	Yes	Yes	Yes
Rectangular shape of shattered area around forward cargo door	Yes	Yes	Yes	Yes
Forward cargo door fractured in two longitudinally	Yes	Yes	Yes	Maybe
Status of aft cargo door as intact and latched	Yes	Yes	Yes	Maybe
	AI 182	PA103	UAL 811	TWA 800
Passengers suffered decompression type injuries	Yes	Yes	Yes	Yes

Yes	Yes	Yes	Yes
Yes	Yes	No	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
AI 182	PA103	<b>UAL 811</b>	TWA 800
Yes	Yes	Yes	Yes
Yes	No	Yes	Yes
Yes	Yes	No	No
No	Yes	No	No
Yes	No	No	No
No	No	No	Yes
No	No	Yes	No
No	No	Yes	No
AI 182	PA103	UAL 811	TWA 800
	Yes Yes Yes Al 182 Yes Yes Yes No No No No	Yes         Yes           Yes         Yes           Yes         Yes           Al 182         PA103           Yes         Yes           Yes         No           Yes         Yes           No         Yes           Yes         No           No         No	Yes         Yes         No           Yes         Yes         Yes           Yes         Yes         Yes           Al 182         PA103         UAL 811           Yes         Yes         Yes           Yes         No         Yes           Yes         No         No           No         Yes         No           No         No         Yes           No         No         Yes