AIRCRAFT ZONING - COMPONENT LOCATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

   A. The aircraft is divided into zones to give the references necessary for the identification of the service areas or components. This makes the maintenance easier and is an important aid when task guides are prepared.

   B. The system for identification of the aircraft zoning includes three levels and uses a three-digit number as follows:

      (1) Major zones: the number increases by the hundreds, from 100 thru 800.

      (2) Major sub-zones: after the first digit of the major zones, the number increases by the tens, from 10 thru 90.

      (3) Zone: after the first digit of the major zones and the second digit of the major sub-zones, the number increases by the units (more digits can be used to permit you to go down to lower levels). It identifies a component and its location: an even number shows the right side and an odd number shows the left side.

   C. The sequence of the numbers which identify the zones is as follows:

      (1) Wing - From the inboard side to the outboard side and from the front to the rear.

      (2) Fuselage - From the nose to the tail cone.

      (3) Vertical Stabilizer - From the root to the tip of the vertical stabilizer.

   D. Figure 101 shows the major zones and Figure 102 shows the zones.

AIRCRAFT ZONING - COMPONENT LOCATION

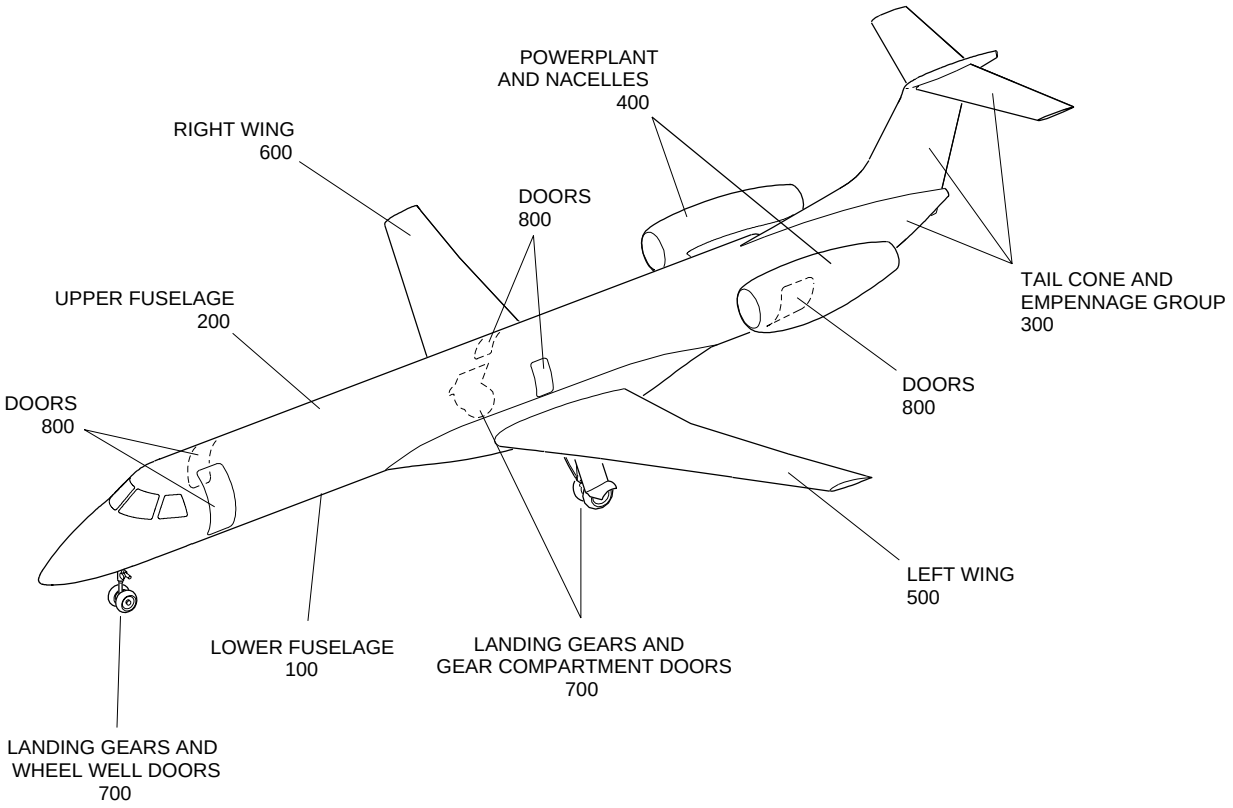
EFFECTIVITY: ACFT MODEL(S) EMB-135

2. Major Zones

Table 101

MAJOR ZONE	AREA
100	Lower fuselage (below the floor line)
200	Upper fuselage (above the floor line)
300	Tail cone and empennage group
400	Powerplant and nacelles
500	Left half-wing
600	Right half-wing
700	Landing gear wheelwell doors
800	Doors (main, service, cargo, emergency)

EFFECTIVITY: ALL
Major Zones
Figure 101



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3. Major Zone 100 - Lower Fuselage

A. Sub-zone 110 - STA X = 0 thru STA X = 600.0 and fuselage forward section I (thru X = 2364.0)

Table 102

ZONE	DESCRIPTION
111	Radome
113	Forward fuselage I - LH (STGR 13L thru Y = 0.0)
114	Forward fuselage I - RH (STGR 13R thru Y = 0.0)
115	Pressure bulkhead - Fwd fuselage I - LH lower side
116	Pressure bulkhead - Fwd fuselage I - RH lower side

B. Sub-zone 120 - Fuselage Forward Section II (X = 2364.0 thru X = 4154.5)

Table 103

ZONE	DESCRIPTION
121	Pressure bulkhead - cockpit LH lower side
122	Pressure bulkhead - cockpit RH lower side
123	Area below cockpit floor - LH (STGR 13L thru Y = 0.0)
124	Area below cockpit floor - RH (STGR 13R thru Y = 0.0)

C. Sub-zone 130 - Fuselage Center Section I (X = 4154.5 thru X = 7131.0) and (STGR 16L thru STGR 16R)

Table 104

ZONE	DESCRIPTION
131	Area below passenger cabin floor - LH (STGR 16L thru Y = 0.0)
132	Area below passenger cabin floor - RH (STGR 16R thru Y = 0.0)

D. Sub-zone 140 - Fuselage Center Section II (X = 7131.0 thru X = 9984) and (STGR 16L thru STGR 16R)

Table 105

ZONE	DESCRIPTION
141	Area below passenger cabin floor - LH (STGR 16L thru Y = 0.0)
142	Area below passenger cabin floor - RH (STGR 16R thru Y = 0.0)

E. Sub-zone 150 - Fuselage Center Section III (X = 9984.0 thru X = 15721.0) and (STGR 16L thru STGR 16R)

Table 106

ZONE	DESCRIPTION
151	Fwd area below passenger cabin floor - LH (STGR 16L thru Y = 0.0)
152	Fwd area below passenger cabin floor - RH (STGR 16R thru Y = 0.0)
153	Aft area below passenger cabin floor - LH (STGR 16L thru Y = 0.0)
154	Aft area below passenger cabin floor - RH (STGR 16R thru Y = 0.0)

Table 106 (Continued)

ZONE	DESCRIPTION
155	Wing stub - LH (Y = − 960.0 thru Y = 00.0)[1] (Y= -960.0 thru Y = -230.0)[2]
156	Wing stub - RH (Y = 00.0 thru Y = 960.0)[1] (Y = 230.0 thru Y = 960.0)FT-002
157	Wing Stub (Y = -230.0 thru Y = 230.0)[2]

[1] Applicable to EMB-135ER model.

[2] Applicable to EMB-135LR model.

F. Sub-zone 160 - Fuselage Center Section IV (X = 15721.0 thru X = 17253.0) and (STGR 16L thru STGR 16R)

Table 107

ZONE	DESCRIPTION
161	Area below passenger cabin floor - LH (STGR 16L thru Y = 0.0)
162	Area below passenger cabin floor - RH (STGR 16R thru Y = 0.0)

G. Sub-zone 170 - Fuselage Rear Section I (X = 17253.0 thru X = 22041.0) and (STGR 16L thru STGR 16R)

Table 108

ZONE	DESCRIPTION
171	Area below passenger cabin floor - LH (STGR 16L thru Y = 0.0)
172	Area below passenger cabin floor - RH (STGR 16R thru Y = 0.0)

H. Sub-zone 190 - Wing-to-fuselage Attachment Fairing

Table 109

ZONE	DESCRIPTION
191	FWD wing-to-fuselage fairing
192	Center wing-to-fuselage fairing
193	Rear wing-to-fuselage fairing
194	RH lateral wing-to-fuselage fairing
195	LH lateral wing-to-fuselage fairing

4. Major Zone 200 - Upper Fuselage

A. Sub-zone 210 - Fuselage Forward Section I (X = 600.0 thru X = 2364.0)

Table 110

ZONE	DESCRIPTION
213	Electronic compartment - LH upper side (STGR 13L thru Y = 0.0)
214	Electronic compartment - RH upper side (STGR 13R thru Y = 0.0)
215	Pressure bulkhead - electronic comp - LH upper side
216	Pressure bulkhead - electronic comp - RH upper side

B. Sub-zone 220 - Fuselage Forward Section II (X = 2364.0 thru X = 4154.5)

Table 111

ZONE	DESCRIPTION
221	Pressure bulkhead - cockpit LH upper side
222	Pressure bulkhead - cockpit RH upper side
223	Cockpit - LH (STGR 13L thru STGR 7L)
224	Cockpit - RH (STGR 13R thru STGR 7R)
225	Cockpit ceiling - LH (STGR 7L thru Y = 0.0)
226	Cockpit ceiling - RH (STGR 7R thru Y = 0.0)

C. Sub-zone 230 - Fuselage Center Section I (X = 4154.5 thru X = 7131.0) and (STGR 16L thru STGR 16R)

Table 112

ZONE	DESCRIPTION
231	Passenger cabin - LH (STGR 16L thru STGR 5L)
232	Passenger cabin - RH (STGR 16R thru STGR 5R)
233	Passenger cabin ceiling - LH (STGR 5L thru Y = 0.0)
234	Passenger cabin ceiling - RH (STGR 5R thru Y = 0.0)

D. Sub-zone 240 - Fuselage Center Section II (X = 7131.0 thru X = 9984.0) and (STGR 16L thru 16R)

Table 113

ZONE	DESCRIPTION
241	Passenger cabin - LH (STGR 16L thru STGR 5L)
242	Passenger cabin - RH (STGR 16R thru STGR 5R)
243	Passenger cabin ceiling - LH (STGR 5L thru Y = 0.0)
244	Passenger cabin ceiling - RH (STGR 5R thru Y = 0.0)

E. Sub-zone 250 - Fuselage Center Section III (X = 9984.0 thru X = 15721.0) and (STGR 16L thru STGR 16R)

Table 114

ZONE	DESCRIPTION
251	Passenger cabin - LH (STGR 16L thru STGR 5L)
252	Passenger cabin - RH (STGR 16R thru STGR 5R)
253	Passenger cabin ceiling - LH (STGR 5L thru Y = 0.0)
254	Passenger cabin ceiling - RH (STGR 5R thru Y = 0.0)

F. Sub-zone 260 - Fuselage Center Section IV (X = 15721.0 thru X = 17253.0) and (STGR 16L thru STGR 16R)

Table 115

ZONE	DESCRIPTION
261	Passenger cabin - LH (STGR 16L thru STGR 5L)
262	Passenger cabin - RH (STGR 16R thru STGR 5R)

Table 115 (Continued)

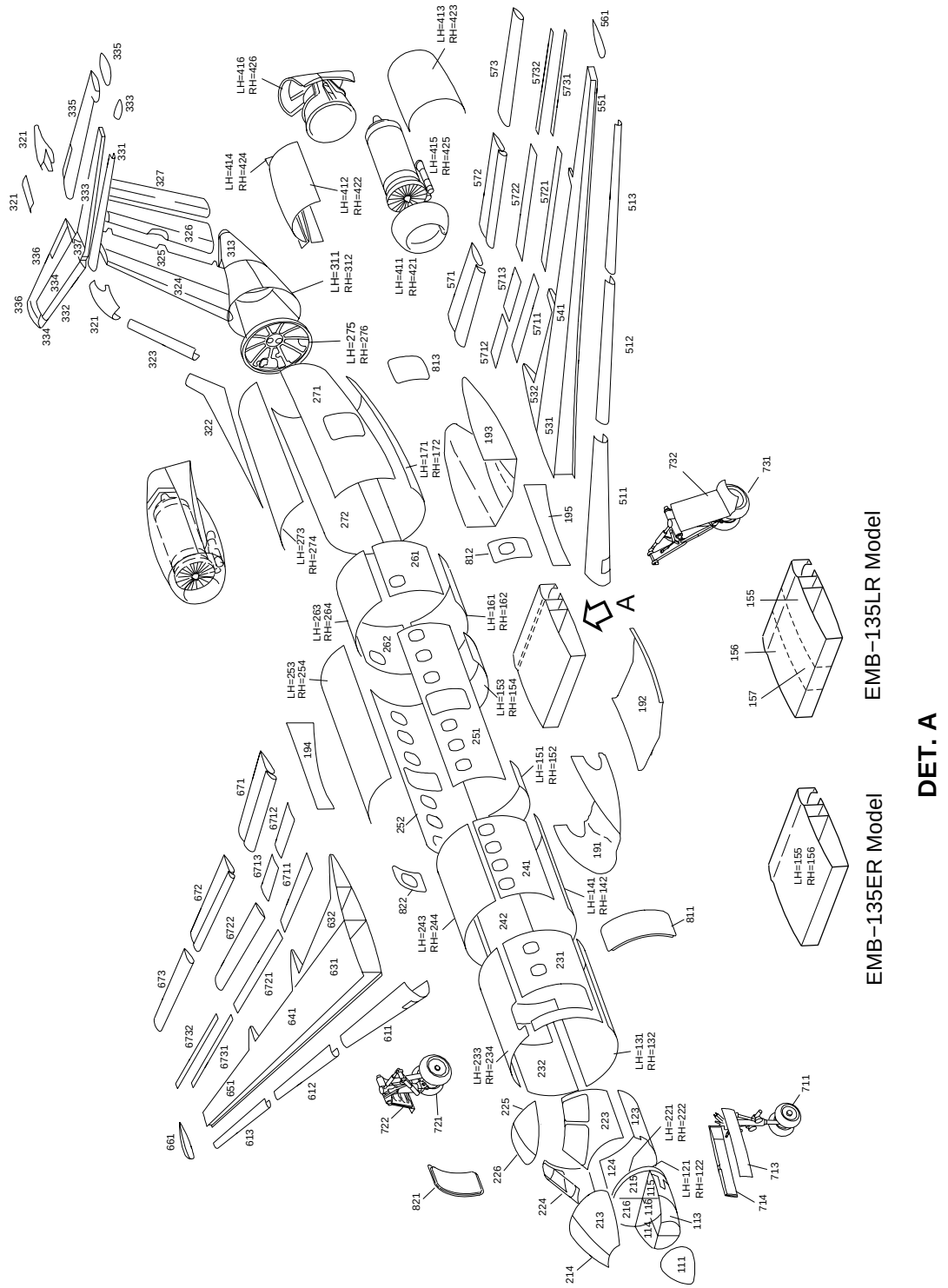
ZONE	DESCRIPTION
263	Passenger cabin ceiling - LH (STGR 5L thru Y = 0.0)
264	Passenger cabin ceiling - RH (STGR 5R thru Y = 0.0)

G. Sub-zone 270 - Fuselage Rear Section I (X = 17253.0 thru X = 22041.0) and (STGR 16L thru STGR 16R)

Table 116

ZONE	DESCRIPTION
271	Baggage compartment and rear electronic compartment - LH (STGR 16L thru STGR 5L)
272	Baggage compartment and rear electronic compartment - RH (STGR 16R thru STGR 5R)
273	Baggage compartment ceiling - LH (STGR 5L thru Y = 0.0)
274	Baggage compartment ceiling - RH (STGR 5R thru Y = 0.0)
275	Pressure bulkhead - baggage compartment LH side
276	Pressure bulkhead - baggage compartment RH side

EFFECTIVITY: ALL
Aircraft Zoning
Figure 102



5. Major Zone 300 - Tail Cone and Empennage Group

A. Sub-zone 310 - Fuselage Rear Section II (X = 22041.0 thru X = 24388.5)

Table 117

ZONE	DESCRIPTION
311	Structural area aft of rear pressure bulkhead - LH
312	Structural area aft of rear pressure bulkhead - RH
313	Tail cone fairing

B. Sub-zone 320 - Vertical Stabilizer and Rudders

Table 118

ZONE	DESCRIPTION
321	Upper front and rear front fairings of vertical stabilizer
322	Dorsal fin
323	Leading edge
324	Area between spar I and spar II
325	Area between spar II and spar III
326	Rudder I
327	Rudder II

C. Sub-zone 330 - Horizontal Stabilizer and Elevators

Table 119

ZONE	DESCRIPTION
331	Leading edge - LH
332	Leading edge - RH
333	Horizontal stabilizer - LH
334	Horizontal stabilizer - RH
335	Elevator - LH
336	Elevator - RH
337	Center section for attachment of stabilizer to the tail fin

6. Major Zone 400 - Powerplant and Nacelles

A. Sub-zone 410 - LH Powerplant

Table 120

ZONE	DESCRIPTION
411	Forward cowling
412	Upper cowling
413	Cowling door
414	Pylon
415	Engine

Table 120 (Continued)

ZONE	DESCRIPTION
416	Thrust reverser module

B. Sub-zone 420 - RH Powerplant

Table 121

ZONE	DESCRIPTION
421	Forward cowling
422	Upper cowling
423	Cowling door
424	Pylon
425	Engine
426	Thrust reverser module

7. Major Zone 500/600 - Left Wing/Right Wing

A. Sub-zone 510/610 - Wing Leading Edge

Table 122

ZONE	DESCRIPTION
511/611	Leading edge I
512/612	Leading edge II
513/613	Leading edge III

B. Sub-zone 530/630 Area between Y = 960.0 and Y = 3815.0

Table 123

ZONE	DESCRIPTION
531/631	Area between spar I and spar II
532/632	Area between spar II and spar III

C. Sub-zone 540/640 - Area between Y = 3815.0 and YA = 7792.08

Table 124

ZONE	DESCRIPTION
541/641	Area between spar I and spar II

D. Sub-zone 550/650 - Area between YA = 7792.08 and YA = 9785.0

Table 125

ZONE	DESCRIPTION
551/651	Area between spar I and spar II

E. Sub-zone 560/660 - Winglet

Table 126

ZONE	DESCRIPTION
561/661	Wing tip fairing

F. Sub-zone 570/670 - Wing Trailing Edge

Table 127

ZONE	DESCRIPTION
571/671	Inboard flap
572/672	Outboard flap
573/673	Aileron
5711/6711	Inboard flap lower shroud
5712/6712	Ground spoiler
5713/6713	Ground spoiler/speed breaker
5721/6721	Outboard flap lower shroud
5722/6722	Outboard flap upper shroud
5731/6731	Aileron lower shroud
5732/6732	Aileron upper shroud

8. Major Zone 700 - Landing Gears and Gear Compartment Doors

A. Sub-zone 710 - Nose Landing Gear and Gear Compartment Doors

Table 128

ZONE	DESCRIPTION
711	Landing gear
713	Gear compartment LH forward door
714	Gear compartment RH forward door

B. Sub-zone 720 - RH Main Landing Gear and Gear Compartment Doors

Table 129

ZONE	DESCRIPTION
721	Landing gear
722	Gear compartment door

C. Sub-zone 730 - LH Main Landing Gear and Wheelwell Doors

Table 130

ZONE	DESCRIPTION
731	Landing gear
732	Gear compartment door

9. Major Zone 800 - Doors

A. Sub-zone 810 - Fuselage LH side

Table 131

ZONE	DESCRIPTION
811	Main door
812	Escape hatch
813	Baggage door

B. Sub-zone 820 - Fuselage RH side

Table 132

ZONE	DESCRIPTION
821	Emergency/service door
822	Escape hatch