



## AIRCRAFT MAINTENANCE MANUAL

### FLOOR PANELS - COMPONENT LOCATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

#### 1. General

- A. This section gives the access doors and panels of major zones 100 and 200 of the fuselage outside.



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2. List of the Equipment and Components

- A. Tables 101 thru 108 give the equipment and components to which you can get access through the floor panels.

NOTE: To find the access panels that give access to the harness assemblies, refer to wiring manual, as follows:

- Splices: (WM 20-13-01/2).
- Connectors: (WM 20-13-02/2).
- Relays: (WM 20-13-03/2).
- Terminal boards: (WM 25-13-04/2).
- Grounding studs: (WM 20-13-05/2).

Table 101 - SUB-ZONE 220

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	REMOVAL TASK
LEFT	RIGHT	FIG.		
221AF		(Figure 102)	Electrical wiring, Pitot-static system hose	( AMM TASK 53-01-01-000-801-A/400)
221BF			Electrical wiring, conditioned air hose	
221CF			Electrical wiring, conditioned air hose, Static port current sensor S0335	
221DF			Electrical wiring, Electrical connector of the control column yoke	
221EF <sup>[2]</sup>			W101 and W102 wiring interface connectors, elevator and aileron control rods	
221FF			Electrical wiring, Control cables, Aileron autopilot servo	
221GF <sup>[2]</sup>			IC-600, Brake control unit, Fuel control unit, APU generator control unit, Central maintenance computer, Data acquisition unit, Control cables, Pitot-static tubing, Wing level control unit <sup>[1]</sup>	
	222AF		Electrical wiring, conditioned air hose	
	222BF <sup>[2]</sup>		Pitot 3 hose fittings, Conditioned air hose, Electrical wiring, Static port current sensor S0336	
	222CF		-	
	222DF		Electrical wiring, Electrical connector of the control column yoke	
	222EF <sup>[2]</sup>		Override switch, Freefall lever	
	222FF		W101 and W102 wiring interface connectors, elevator and aileron control rods, Hydraulic tubing, Pressure reference tube, Vacuum tube	
	222GF		Main door emergency opening valve. Not applicable to aircraft with side-hinged main door	

[1] Aircraft with HLEIS.

[2] Before you close this access panel, make sure that the fuel quantity indicating harness is in good condition. Refer to (TASK 28-41-00-210-801-A).

Table 102 - SUB-ZONE 230

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	REMOVAL TASK
LEFT	RIGHT	FIG.		
231AF			Electrical wiring  Conditioned air hose, Electrical wiring, control cables, Hydraulic tubing, DME-1 antenna  Main door actuator, Hydraulic tubing of main door actuators, Main door microswitch. Applicable to aircraft with airstairs main door  Main door actuator. Applicable to aircraft with airstairs main door  Electrical wiring  Electrical wiring, Control cables, Hydraulic tubing, Conditioned air duct  Hydraulic tubing, Conditioned air duct, Control cables, Mark Beacon antenna, Transponder antenna, DME-2 antenna (optional), RAT 1 antenna, VHF-X2 antenna  Electrical wiring  Main door actuator, Hydraulic tubing of main door actuators, Main door microswitch. Applicable to aircraft with side-hinged main door  Hydraulic tubing, Conditioned air duct, Pitot-static system tubing, Control cables, Mark beacon antenna, Pressure reference tube, Vacuum tube  Electrical wiring, Control cables, Hydraulic tubing, Reference pressure tube, Vacuum tube  Hydraulic tubing, Conditioned air duct, Electrical wiring, Control cables, VHF antenna, Reference pressure tube, Vacuum tube	(AMM TASK 53-01-02-000-802-A/400)
231BF [1]				
231CF				
231DF				
231EF [1]				
231FF [1]				
231GF				
231HF [1]				
231JF				
	232AF [1]			
	232BF [1]			
	232CF [1]			

[1] Before you close this access panel, make sure that the fuel quantity indicating harness is in good condition. Refer to (TASK 28-41-00-210-801-A).

Table 103 - SUB-ZONE 230  
EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	OPEN/REMOVAL TASK
LEFT	RIGHT	FIG.		
231AF		(Figure 104)	Electrical wiring	(AMM TASK 53-01-02-000-802-A/ 400)
231BF			Conditioned air hose, Electrical wiring, Control cables, Hydraulic tubing, DME-1 antenna	
231CF			Main door actuator, Hydraulic tubing of main door actuators, Main door microswitch	
231DF			Main door actuator	
231EF			Electrical wiring, Control cables, Hydraulic tubing, Conditioned air duct, Mark beacon antenna MB-1	
231FF			Electrical wiring	
231GF			Hydraulic tubing, Conditioned air duct	
	232AF		Hydraulic tubing, Conditioned air duct, Pitot-static system tubing, Mark beacon antenna MB-2, Pressure reference tube, Vacuum tube	
	232BF		Electrical wiring, Hydraulic tubing, Reference pressure tube, Vacuum tube	
	232CF		Hydraulic tubing, Conditioned air duct, Electrical wiring, Control cables, VHF2 antenna, Reference pressure tube, Vacuum tube	
	232DF		Electrical wiring, Conditioned air duct	



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Table 104 - SUB-ZONE 240

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	REMOVAL TASK
LEFT	RIGHT	FIG.		
241AF <small>[1]</small>		(Fig- ure 105)	Electrical wiring, Conditioned air duct	(AMM TASK 53-01-02-000-802-A/ 400)
241BF			Conditioned air duct, Hydraulic tubing, Control cables, RAR-1 antenna	
241DF			Electrical wiring, Conditioned air duct, Hydraulic tubing, Control cables, Recirculation fan, Connection for distribution of conditioned air to aircraft	
241EF <small>[1]</small>			Electrical wiring, Conditioned air duct	
	242AF <small>[1]</small>		Electrical wiring, Conditioned air duct, Hydraulic tubing, Control cables, Reference pressure tube, Vacuum tube	
	242BF <small>[1]</small>		Electrical wiring, Hydraulic tubing, Control cables, DME-2 antenna, Reference pressure tube, Vacuum tube, Conditioned air duct, Conditioned air duct to gasper fan, Conditioned air ground connection valve	

[1] Before you close this access panel, make sure that the fuel quantity indicating harness is in good condition. Refer to (TASK 28-41-00-210-801-A).

Table 105 - SUB-ZONE 250

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	REMOVAL TASK
LEFT	RIGHT	FIG.		
251AF [1]		(Fig- ure 106)	Electrical wiring, Conditioned air duct	(AMM TASK 53-01-02-000-802-A/ 400)
251CF			Electrical wiring	
251DF			Wing stub, Hydraulic tubing, Vacuum pump connection, Control cables	
251EF			Electrical wiring	
251FF			Wing stub	
251GF			Electrical wiring, Hydraulic tubing, Conditioned air duct to gasper distribution	
251HF			APU fuel tubing, Engine fuel tubing, Control cables, Electrical wiring, Hydraulic tubing, Gasper fan, Muffler of the gasper fan, Conditioned air duct to gasper distribution, Bleed tubing	
251JF			Electrical wiring, Battery power supply	
	252AF [1]		Hydraulic tubing, Control cables, Electrical wiring, Recirculation fan, Muffler of recirculation fan, Connection for distribution of conditioned air to aircraft, Conditioned air duct to gasper fan, Pressure reference tube, Vacuum tube	
	252BF		Wing stub, Electrical wiring, Hydraulic tubing, Conditioned air duct to gasper fan, Pressure reference tube, Vacuum tube	
	252CF		Wing stub, Electrical wiring, Control cables, Air conditioned duct to gasper fan, Pressure reference tube, Vacuum tube	
	252DF		Electrical wiring, Hydraulic tubing, Engine fuel tubing, Pressure reference tube, Vacuum tube, Conditioned air duct to gasper fan, Gasper shutoff valve Bleed tubing, Control cables, Conditioned air duct to gasper distribution	

[1] Before you close this access panel, make sure that the fuel quantity indicating harness is in good condition. Refer to (TASK 28-41-00-210-801-A).

Table 106 - SUB-ZONE 260

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	REMOVAL TASK
LEFT	RIGHT	FIG.		
261CF		(Figure 107)	Electrical wiring, Hydraulic tubing, Conditioned air duct to gasper distribution	(AMM TASK 53-01-02-000-802-A/400)
261DF			Electrical wiring, APU fuel tubing, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Tank drain-valve cable, Sink drain line, Heated drain	
	262BF		Electrical wiring, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Control cables, Reference pressure tube, Vacuum tube, Conditioned air hose to aft electronic compartment	
	262CF		Electrical wiring, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Control cables, Reference pressure tube, Vacuum tube, Conditioned air hose to aft electronic compartment, Waste drain hose, Waste service panel, Tank drain valve cable	

Table 107 - SUB-ZONE 260  
*EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS*

<b>PANEL IDENTIFICATION NUMBER</b>			<b>EQUIPMENT/COMPONENTS</b>	<b>OPEN/REMOVAL TASK</b>
<b>LEFT</b>	<b>RIGHT</b>	<b>FIG.</b>		
261AF		(Figure 108)	Conditioned air duct, Gasper system mufflers, Vacuum tube, APU fuel tubing, Electrical wiring, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Control cables, Reference pressure tube, Conditioned air hose to aft electronic compartment, Control cables	(AMM TASK 53-01-02-000-802-A/ 400)
261BF			Electrical wiring, Hydraulic tubing, Conditioned air duct	
261CF			Electrical wiring, Duct lines, APU fuel tubing, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Tank drain-valve cable, Sink drain line, Heated drain, Control cables	
261DF			Electrical wiring, Hydraulic tubing	
261EF			Electrical wiring, APU fuel tubing, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Tank drain-valve cable, Sink drain line, Heated drain, Thermal switches of bleed air system, Duct lines, Air bleed line pairs of O-rings, Control cables	
	262AF		Electrical wiring, Hydraulic tubing, Conditioned air duct	
	262BF		Electrical wiring, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Control cables, Reference pressure tube, Vacuum tube, Conditioned air hose to aft electronic compartment, Thermal switches of bleed air system, Duct lines	
	262CF		Electrical wiring, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Control cables, Reference pressure tube, Vacuum tube, Conditioned air hose to aft electronic compartment, Waste drain hose, Waste service panel, Tank drain valve cable, Thermal switches of bleed air system, Duct lines, Air bleed line pairs of O-rings	

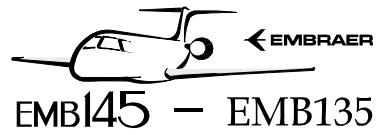
Table 108 - SUB-ZONE 270

PANEL IDENTIFICATION NUMBER			EQUIPMENT/COMPONENTS	REMOVAL TASK
LEFT	RIGHT	FIG.		
271AF		(Figure 109)	Bleed tubing, Control cables, Electrical wiring, APU fuel tubing, Engine fuel tubing, Hydraulic tubing	( AMM TASK 53-01-03-000-801-A/400)
271BF			Bleed tubing, Control cables, Electrical wiring, APU fuel tubing, Hydraulic tubing, temperature sensor bleed, RAR-1 and RAR-2 antennas (optional)	
271CF			Control cables, Electrical wiring, APU fuel tubing, Hydraulic tubing, Reference pressure tube, Vacuum tube, Conditioned air hose to aft electronic compartment	
271DF			Control cables, Electrical wiring, APU fuel tubing, Reference pressure tubing, Vacuum tube, Rudder AP servo	
271EF			Control cables, Electrical wiring, APU fuel tubing, Reference pressure tube, Vacuum tube, P0 sensors	
271FF			Bleed tubing, APU fuel tubing, hydraulic tubing	
	272AF		Electrical wiring, Engine fuel tubing, Hydraulic tubing, Bleed tubing, Fill and overflow lines of the water tank, Temperature sensor, Control cables, Conditioned air hose to aft electronic compartment, Reference pressure tube, Vacuum tube	
	272BF		Control cables, Bleed tubing, Reference pressure tube, Vacuum tube, Conditioned air hose to aft electronic compartment, Ground pneumatic source connection, Antenna V/UHF (if installed)	
	272CF		Electrical wiring, Static port, Static pressure transducer to FADEC	

### 3. Location of the Floor Access Panels

A. The figures below give the location of the floor access panels:

- [Figure 101](#) - Floor panels - Sub-zones
- [Figure 102](#) - Floor panels - Sub-zone 220

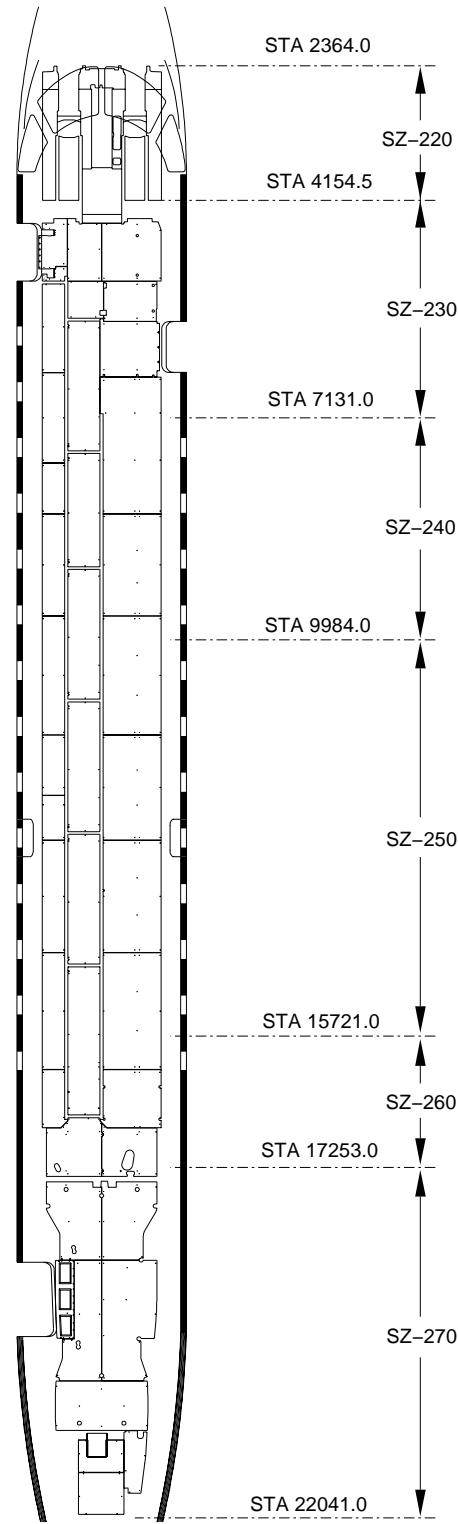


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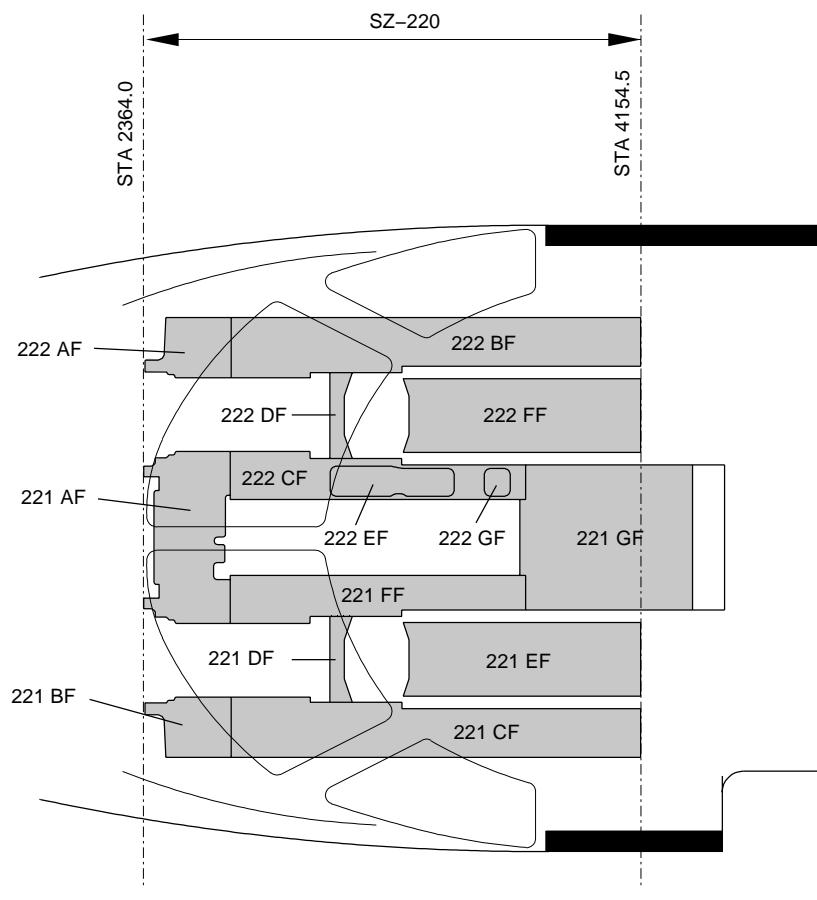
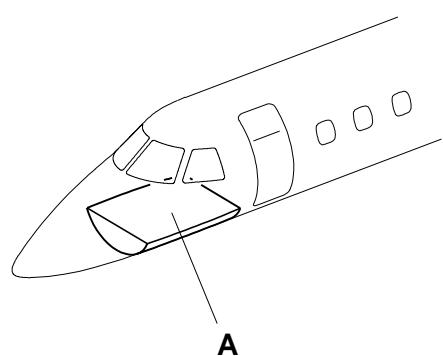
- [Figure 103 - Floor panels - Sub-zone 230](#)
- [Figure 104 - Floor panels - Sub-zone 230 \(aircraft with 16 passengers\)](#)
- [Figure 105 - Floor panels - Sub-zone 240](#)
- [Figure 106 - Floor panels - Sub-zone 250](#)
- [Figure 107 - Floor panels - Sub-zone 260](#)
- [Figure 108 - Floor panels - Sub-zone 260 \(aircraft with 16 passengers\)](#)
- [Figure 109 - Floor panels - Sub-zone 270](#)

EFFECTIVITY: ALL  
Floor Panels - Sub-zones  
Figure 101



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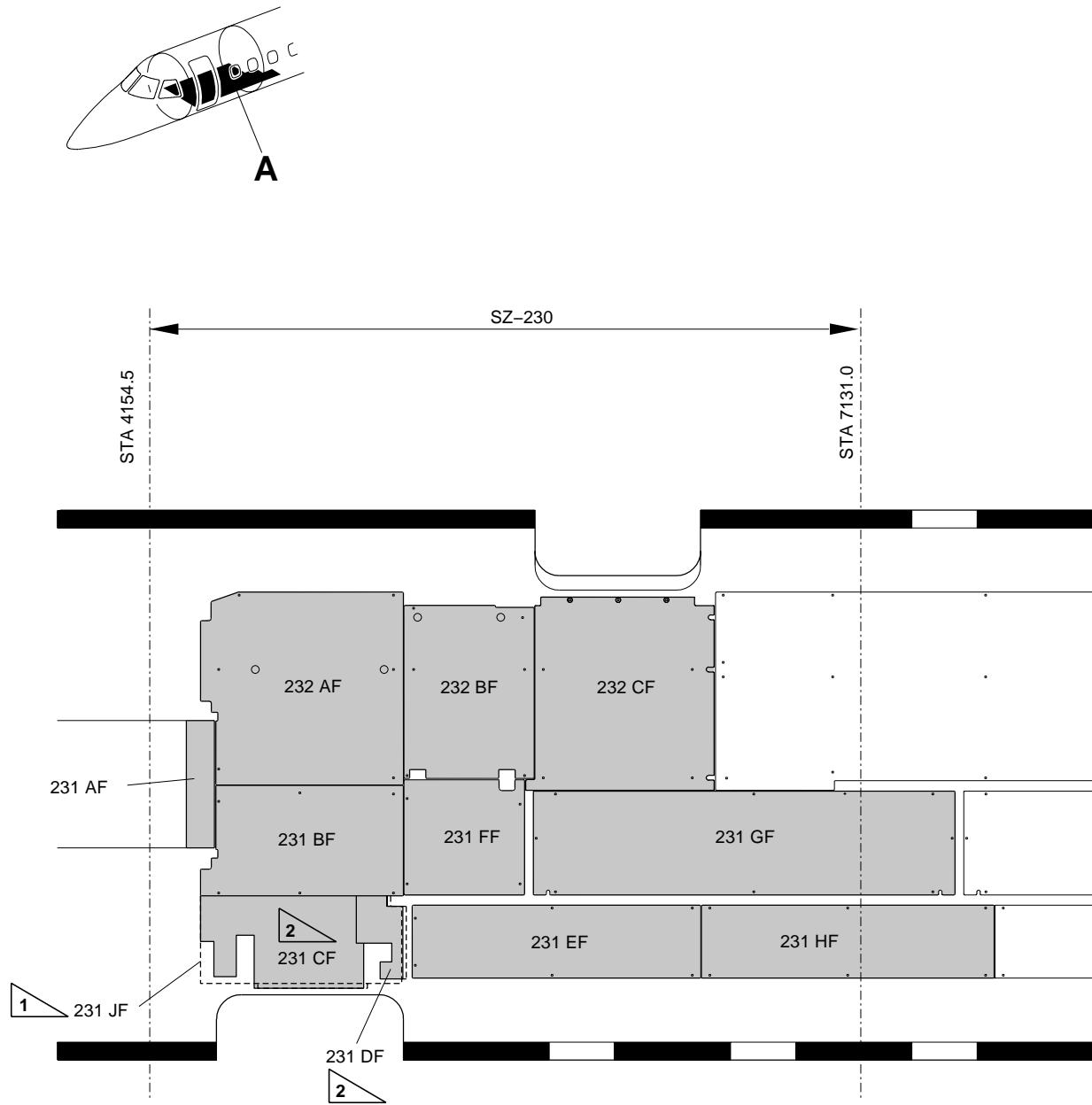
**EFFECTIVITY: ALL**  
 Floor Panels - Sub-zone 220  
 Figure 102



**DET. A**

145AMM060013.MCE A

**EFFECTIVITY: ALL**  
**Floor Panels - Sub-zone 230**  
**Figure 103**

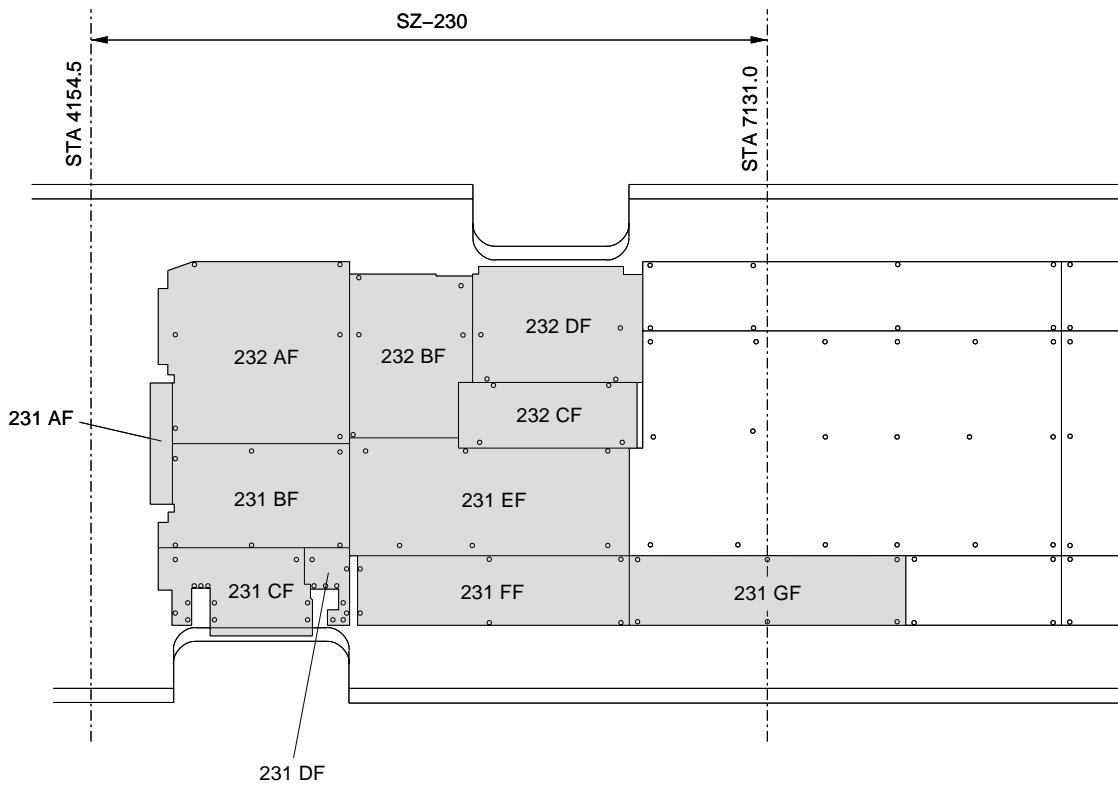
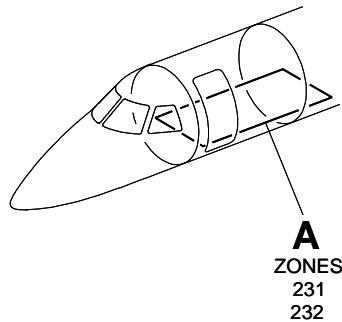


**1** AIRCRAFT WITH SIDE HINGED DOOR.

**2** AIRCRAFT WITH AIRSTAIRS DOOR.

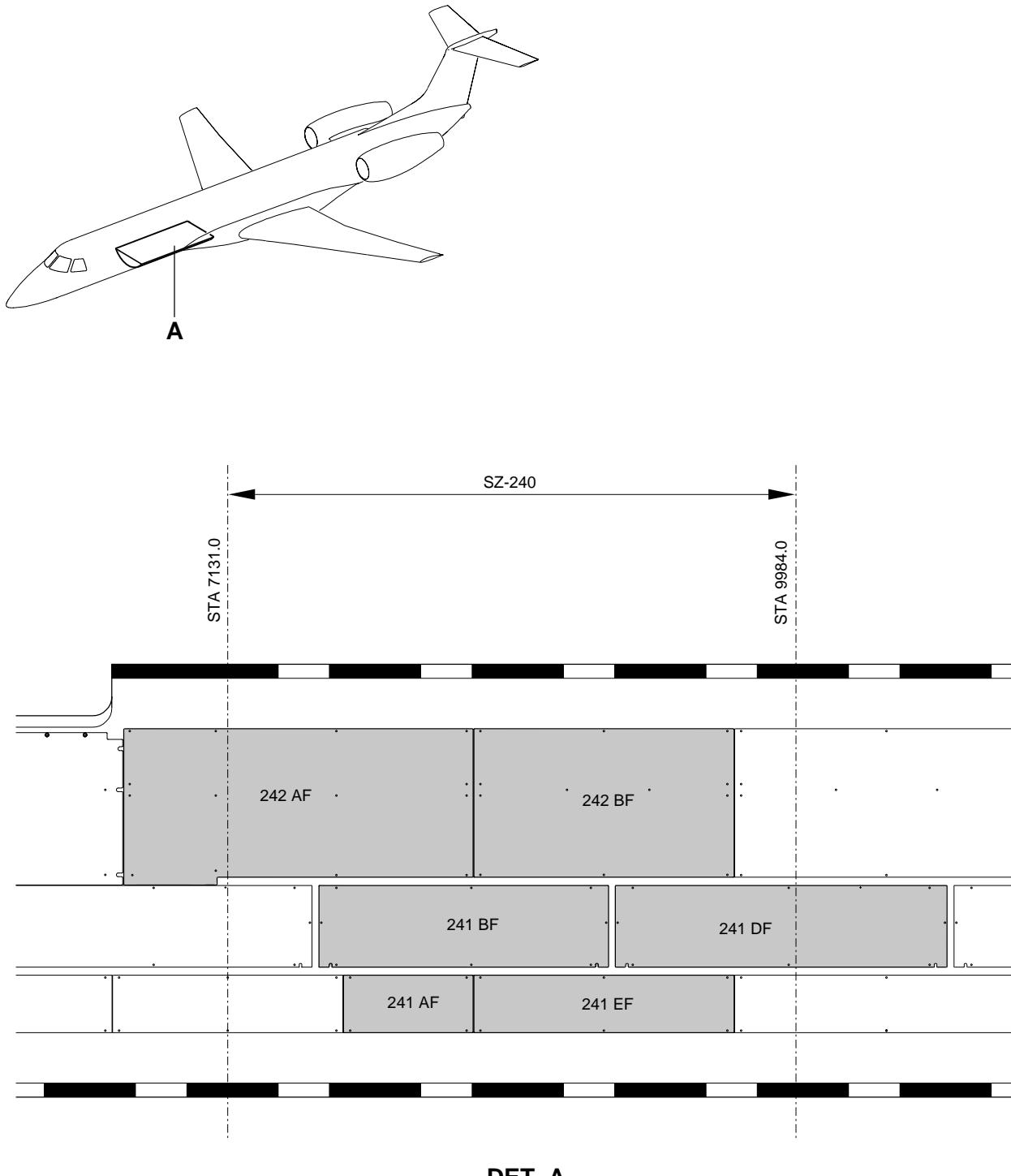
145AMM060082.MCE A

**EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS**  
**Floor Panels - Sub-zone 230**  
**Figure 104**



145AMM060320.MCE

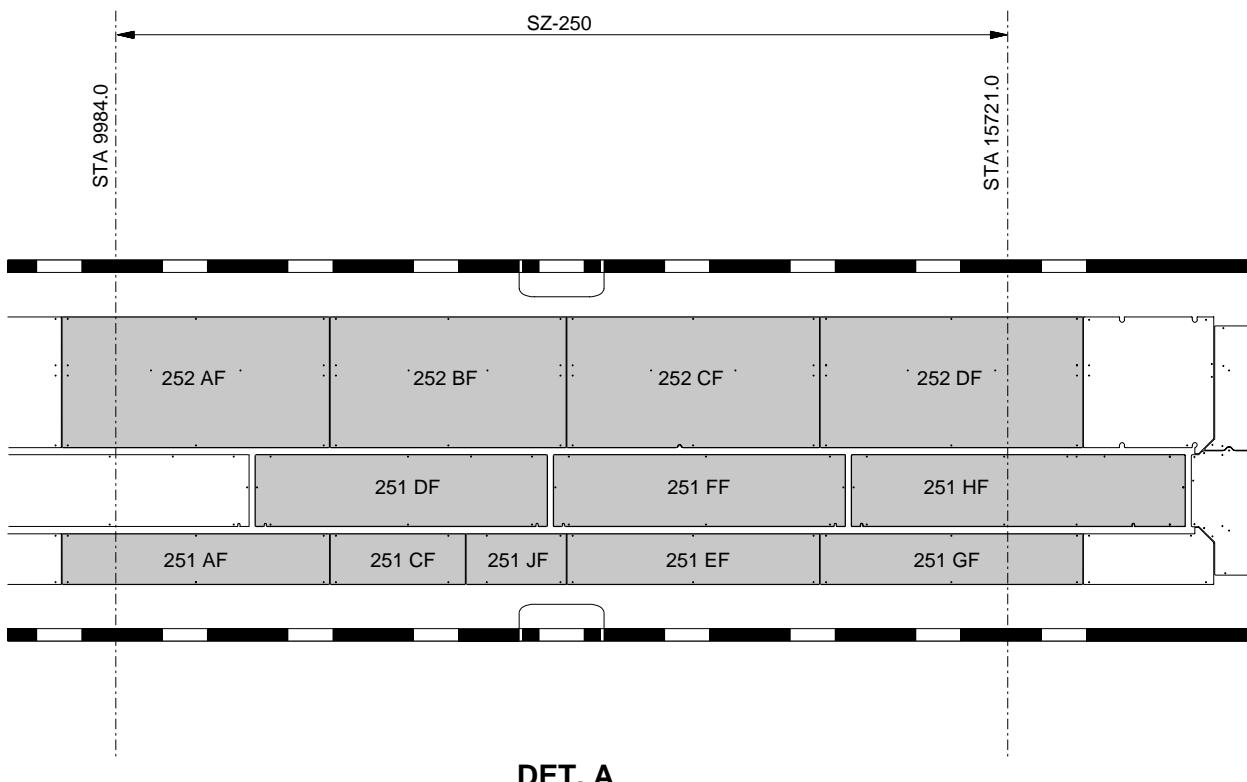
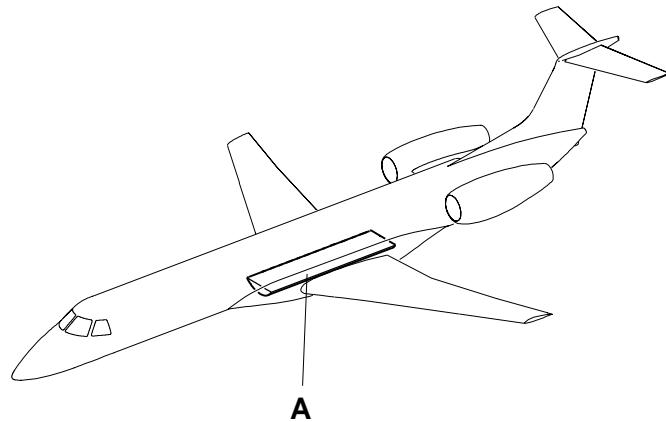
**EFFECTIVITY: ALL**  
 Floor Panels - Sub-zone 240  
 Figure 105



**DET. A**

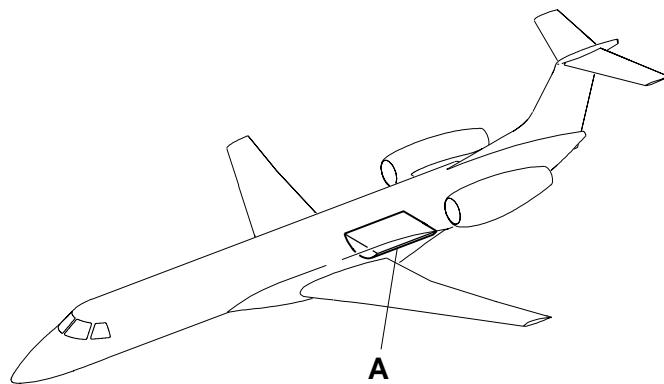
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**EFFECTIVITY: ALL**  
 Floor Panels - Sub-zone 250  
 Figure 106



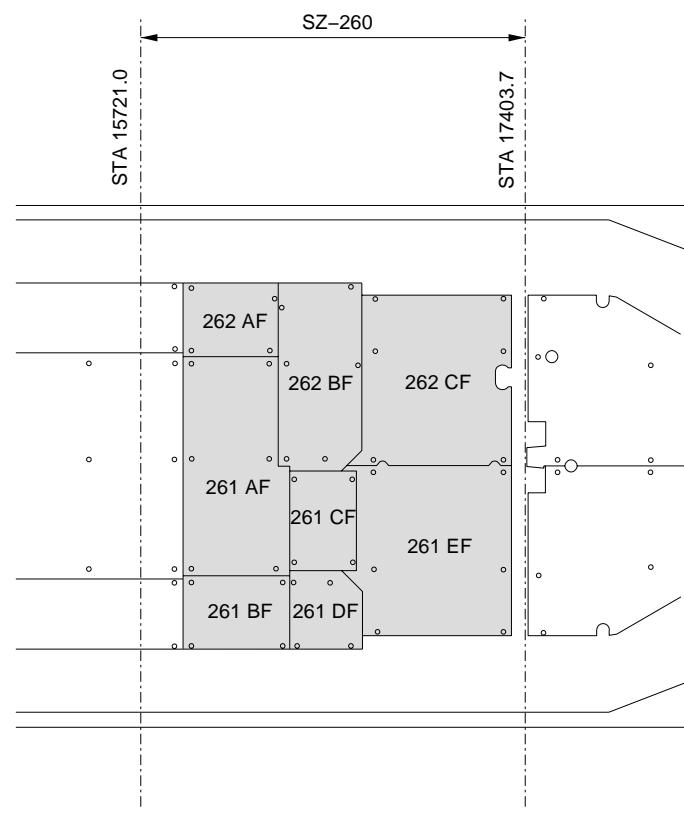
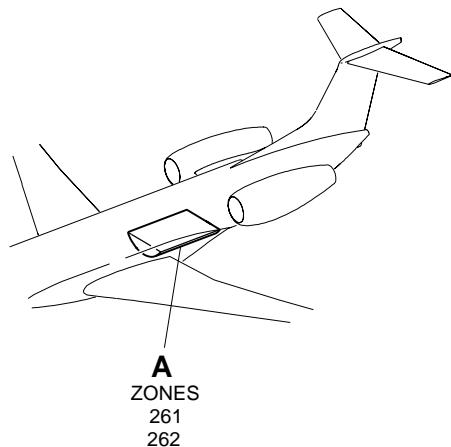
145AMM060084.MCE A

**EFFECTIVITY: ALL**  
**Floor Panels - Sub-zone 260**  
**Figure 107**



145AMM060085.MCE

**EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS**  
**Floor Panels - Sub-zone 260**  
**Figure 108**



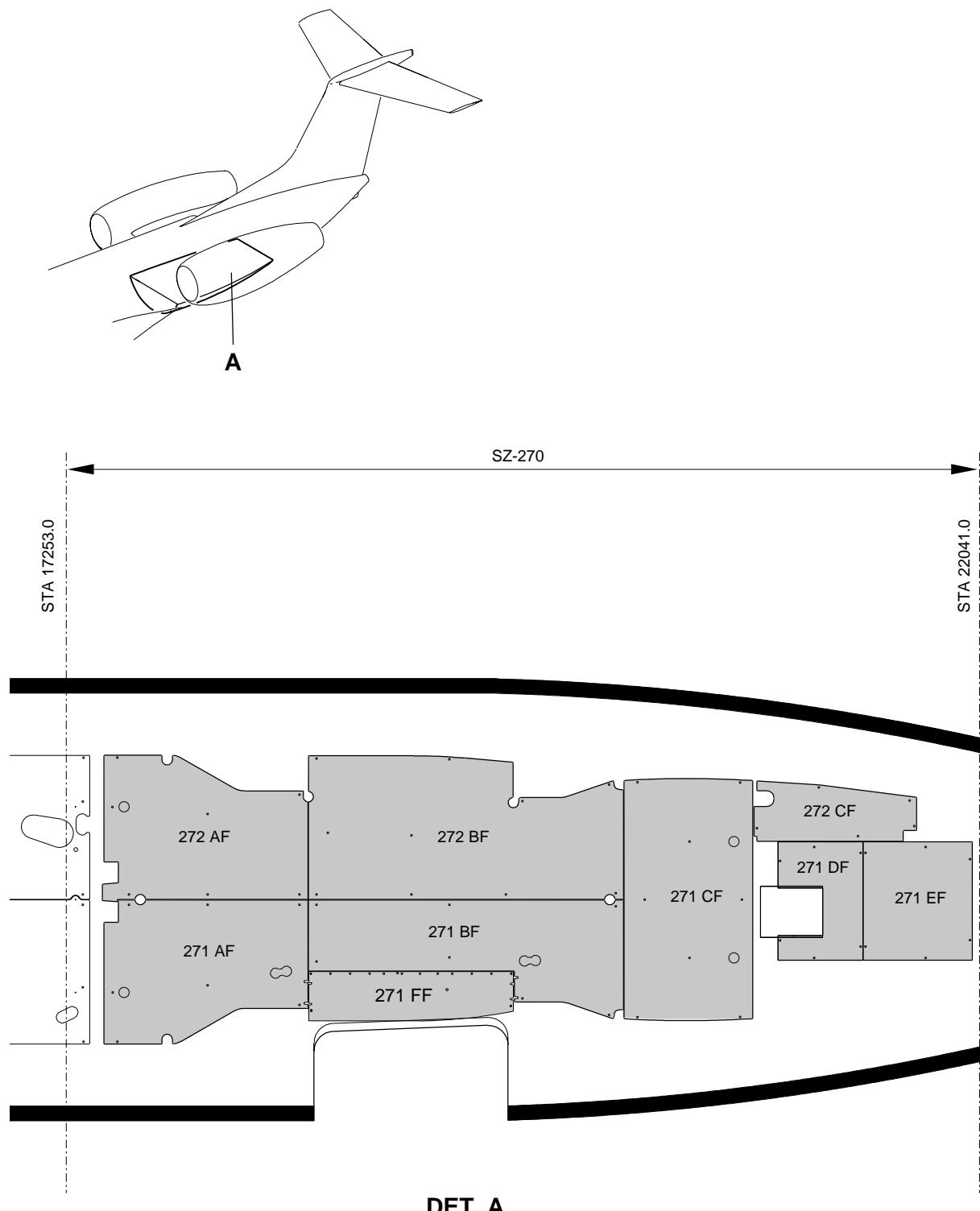
145AMM060323.MCE

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**EFFECTIVITY: ALL**  
**Floor Panels - Sub-zone 270**  
**Figure 109**



**DET. A**

145AMM060086.MCE B