



AIRCRAFT
MAINTENANCE MANUAL

**TAIL CONE AND EMPENNAGE GROUP (MAJOR ZONE 300) ACCESS DOORS AND PANELS -
COMPONENT LOCATION**

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the location of the access doors and panels in major zone 300 (tail cone and empennage group).



EMB145 – EMB135

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2. List of the Equipment and Components

- A. Table 101 (Sub-zone 310), Table 102 (Sub-zone 320), and Table 103 (Sub-zone 330) give the equipment and components to which you can get access through the access doors and panels.

Table 101 - SUB-ZONE 310

DOOR OR PANEL IDENTIFICATION NUMBER		TYPE OF ACCESS	EQUIPMENT/COMPONENTS
LEFT	RIGHT		
	312AR (Figure 102)	Door	Control cables, Fire extinguishing bottles of engine/APU, Thrust reverser isolator control unit, APU fuel pressure switch, check valve for aircraft with Class C baggage compartment
313AL (Figure 102)		Access panel	Attachment of tail cone (APU cowling)
313BL (Figure 102)		Access panel	Attachment of tail cone (APU cowling)
313CL (Figure 102)		Access door	APU support structure, Fuel line and filter, APU chip detector, APU exciter box, APU fuel shutoff solenoid valve, Oil dipstick and replenishment, APU drain line
	313DR (Figure 102)	Access panel	Attachment of tail cone (APU cowling)
	313ER ^[1] (Figure 101)	Access panel	APU air intake
	313ER ^[2] (Figure 102)	Access panel	APU air intake, Attachment of tail cone (APU cowling), Air inlet silencer, Air inlet duct, Anti surge valve, APU fuel control assembly, Flow divider
	313FR ^[1] (Figure 101)	Fairing	APU starter generator air output
	313GR ^[1] (Figure 101)	Access panel	Attachment of tail cone (APU cowling)

[1] Valid for aircraft without APU cowling 145-54858 series

[2] Valid for aircraft with APU cowling 145-54858 series

Table 102 - SUB-ZONE 320

DOOR OR PANEL IDENTIFICATION NUMBER		TYPE OF ACCESS	EQUIPMENT/COMPONENTS
LEFT	RIGHT		
321AL (Figure 105)		Fairing	Control cables
321BL (Figure 105)		Fairing	Control cables
321CL (Figure 105)		Fairing	Control cables
	321DR (Figure 105)	Fairing	Control cables
321EL (Figure 105)		Fairing	Control cables and differential pressure switch of the horizontal stabilizer anti-icing system
321FL (Figure 105)		Fairing	Control cables
322AL (Figure 103)		Access panel	Horizontal stabilizer anti-ice shutoff valve
	322BR (Figure 104)	Access panel	Horizontal stabilizer low pressure switch, Horizontal stabilizer overpressure switch, VOR/LOC coupler
324AL (Figure 103)		Access panel	Control cables
324BL (Figure 103)		Access panel	Control cables
324CL (Figure 103)		Access panel	Control cables
324DL (Figure 103)		Access panel	Control cables
324EL (Figure 103)	324FR (Figure 104)	Access panel	Horizontal stabilizer actuator, electrical connectors, electrical wiring, Horizontal stab low pressure switches, Horizontal stab overpressure switch

Table 102 - SUB-ZONE 320 (Continued)

DOOR OR PANEL IDENTIFICATION NUMBER		TYPE OF ACCESS	EQUIPMENT/COMPONENTS
LEFT	RIGHT		
325AL (Figure 103)		Access panel	Rudder control hydraulic unit, Rudder control rod, Hydraulic tubing
325BL (Figure 103)		Access panel	Bellcrank, control cables
325CL (Figure 103)		Access panel	Rudder hydraulic actuators, feedback rod
325DL (Figure 103)		Access panel	Rudder actuator hinge, feedback rod hinge
325EL (Figure 103)		Access panel	Bellcrank, control cables, duct leak sensor, anti-ice duct junction
325FL (Figure 103)		Access panel	Elevator control cable
	325FR (Figure 104)	Access panel	Control cables, Hydraulic tubing
	325GR (Figure 104)	Access panel	Rudder control hydraulic unit
	325HR (Figure 104)	Access panel	Hydraulic lines, feedback rod, control cables, electrical harness
	325JR (Figure 104)	Access panel	Rudder actuator bellcrank, control cables
	325KR (Figure 104)	Access panel	Control cables, bellcrank and electrical harness
	325LR (Figure 104)	Access panel	Elevator control bellcrank, duct leak sensor, anti-ice duct
326AL (Figure 103)		Access panel	Rudder I lower hinge
326BL (Figure 103)		Access panel	Rudder I center hinge
326CL (Figure 103)		Access panel	Rudder II actuating rod
326DL (Figure 103)		Access panel	Rudder actuator hinges, feedback rod hinge
326EL (Figure 103)		Access panel	Rudder I center hinge
326FL (Figure 103)		Access panel	Rudder II actuating rod
326GL (Figure 103)		Access panel	Rudder I upper hinge
326HL (Figure 103)		Access panel	Rudder I upper hinge
327AL (Figure 103)		Access panel	Rudder II structure
327BL (Figure 103)		Access panel	Rudder II structure
327CL (Figure 103)		Access panel	Rudder II structure
327DL (Figure 103)		Access panel	Rudder II structure
	327ER (Figure 104)	Access panel	Rudder II lower hinge
	327FR (Figure 104)	Access panel	Rudder II center hinge, Rudder II actuating rod hinge
	327GR (Figure 104)	Access panel	Rudder II center hinge, Rudder II actuating rod hinge
	327HR (Figure 104)	Access panel	Rudder II upper hinge

Table 103 - SUB-ZONE 330

DOOR OR PANEL IDENTIFICATION NUMBER		TYPE OF ACCESS	EQUIPMENT/COMPONENTS
LEFT	RIGHT		
333AB (Figure 106)	334AB (Figure 107)	Access panel	Stabilizer structure
333BB (Figure 106)	334BB (Figure 107)	Access panel	Logolight
333CB (Figure 106)	334CB (Figure 107)	Access panel	Stabilizer structure
333DL (Figure 106)	334DR (Figure 107)	Access panel	Test point of the differential pressure switch of the horizontal stabilizer thermal anti-icing system
335AB (Figure 106)	336AB (Figure 107)	Access panel	Spring tab actuator
335BB (Figure 106)	336BB (Figure 107)	Access panel	Elevator hinge
335CB (Figure 106)	336CB (Figure 107)	Access panel	Elevator hinge

Table 103 - SUB-ZONE 330 (Continued)

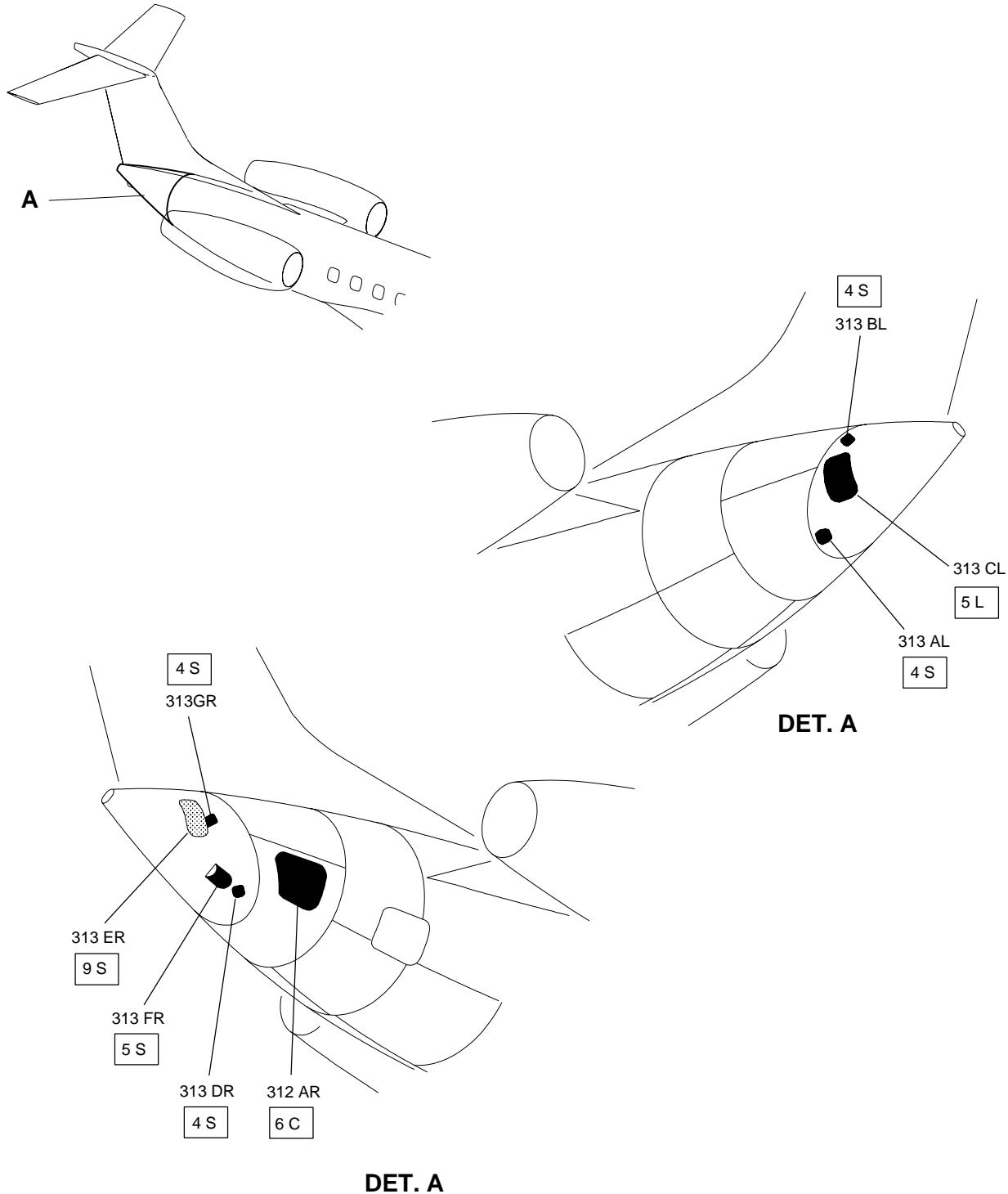
DOOR OR PANEL IDENTIFICATION NUMBER		TYPE OF ACCESS	EQUIPMENT/COMPONENTS
LEFT	RIGHT		
335DB (Figure 106)	336DB (Figure 107)	Access panel	Trim tab and elevator hinge
335EB (Figure 106)	336EB (Figure 107)	Access panel	Trim tab hinge, FDR elevator RVDT/RVIT ^[1]
335FB (Figure 106)	336FB (Figure 107)	Access panel	Elevator hinge
335GB (Figure 106)	336GB (Figure 107)	Access panel	Elevator hinge
335HB (Figure 106)	336HB (Figure 107)	Access panel	Elevator hinge
337AZ (Figure 106)		Access panel	Differential pressure switch of the horizontal stabilizer anti-icing system
337BZ (Figure 106)		Access panel	Differential pressure switch of the horizontal stabilizer anti-icing system
337CZ (Figure 106)		Access panel	-
337DL (Figure 106)		Access panel	Strobe light power supply

[1] Aircraft with Electromechanical gust lock.

3. Location of the Access Doors and Panels

- A. The figures below give the location of the access doors and panels in sub-zones 310, 320 and 330 in details:
 - (1) [Figure 101](#) and [Figure 102](#) - Sub-zone 310 - Fuselage Rear Section II Access Doors and Panels
 - (2) [Figure 103](#) - Sub-zone 320 - Vertical Stabilizer and Rudders Access Doors and Panels (LH)
 - (3) [Figure 104](#) - Sub-zone 320 - Vertical Stabilizer and Rudders Access Doors and Panels (RH)
 - (4) [Figure 105](#) - Sub-zone 320 - Tail Boom Access Doors and Panels
 - (5) [Figure 106](#) - Sub-zone 330 - Horizontal Stabilizer and Elevator Access Doors and Panels (LH)
 - (6) [Figure 107](#) - Sub-zone 330 - Horizontal Stabilizer and Elevator Access Doors and Panels (RH)

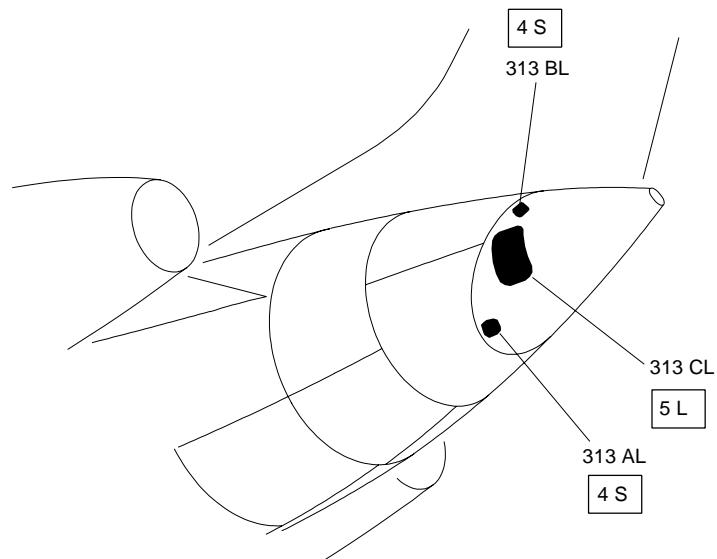
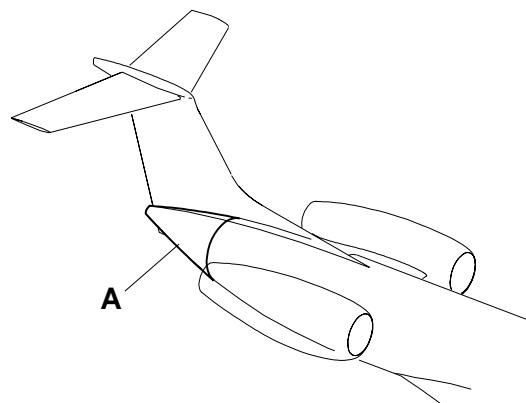
EFFECTIVITY: VALID FOR AIRCRAFT WITHOUT APU COWLING 145-54858 SERIES
Fuselage Rear Section II (Sub-zone 310) Access Doors and Panels
Figure 101



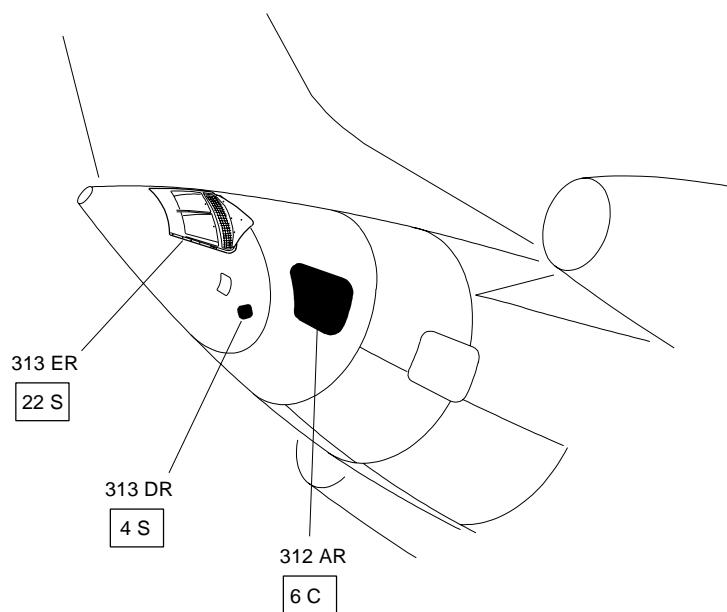
EFFECTIVITY: VALID FOR AIRCRAFT WITH APU COWLING 145-54858 SERIES

Fuselage Rear Section II (Sub-zone 310) Access Doors and Panels

Figure 102



DET. A



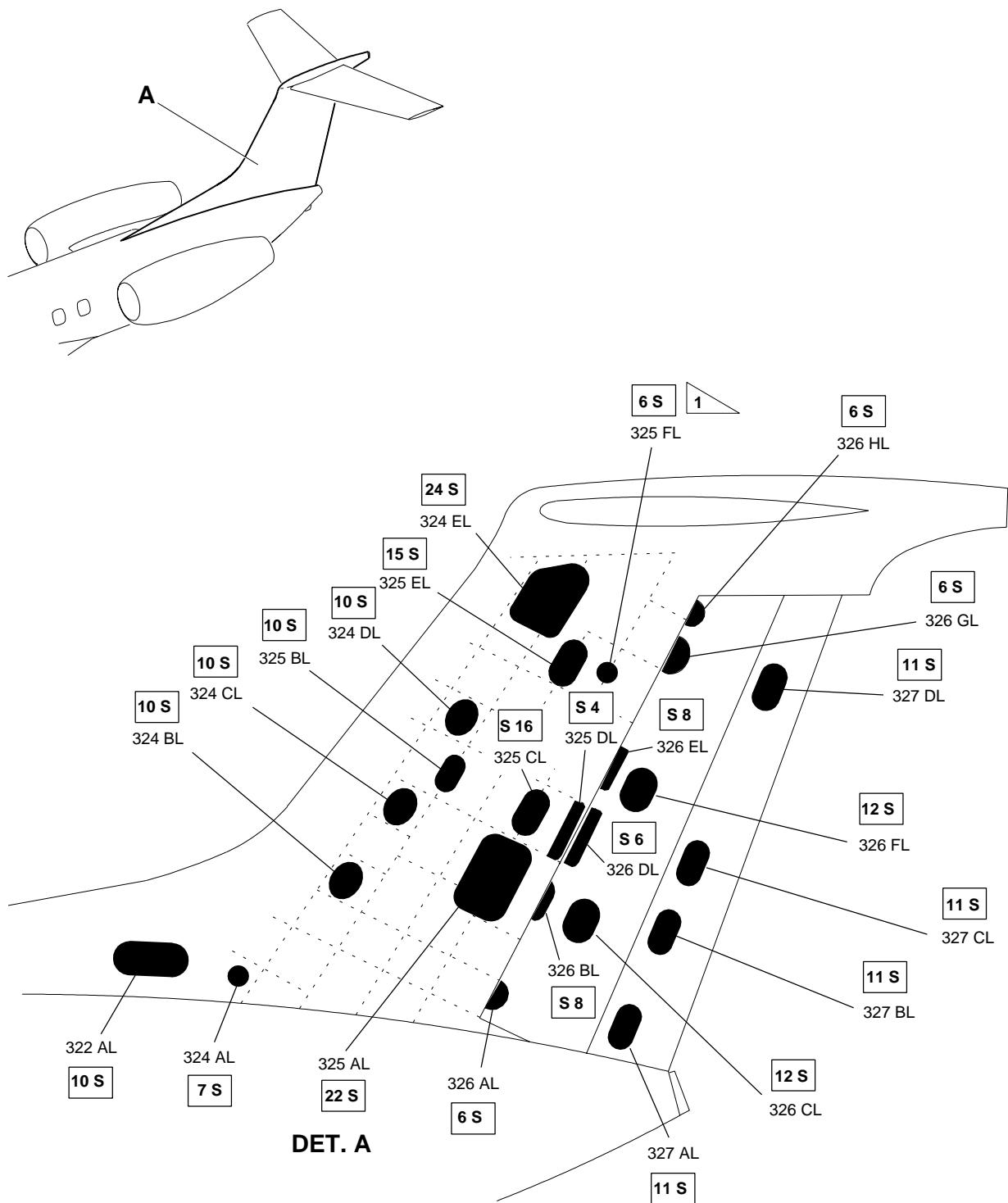
DET. A

145AMM060336.MCE

EFFECTIVITY: ALL

Vertical Stabilizer and Rudders (Sub-zone 320) Access Doors and Panels (LH)

Figure 103



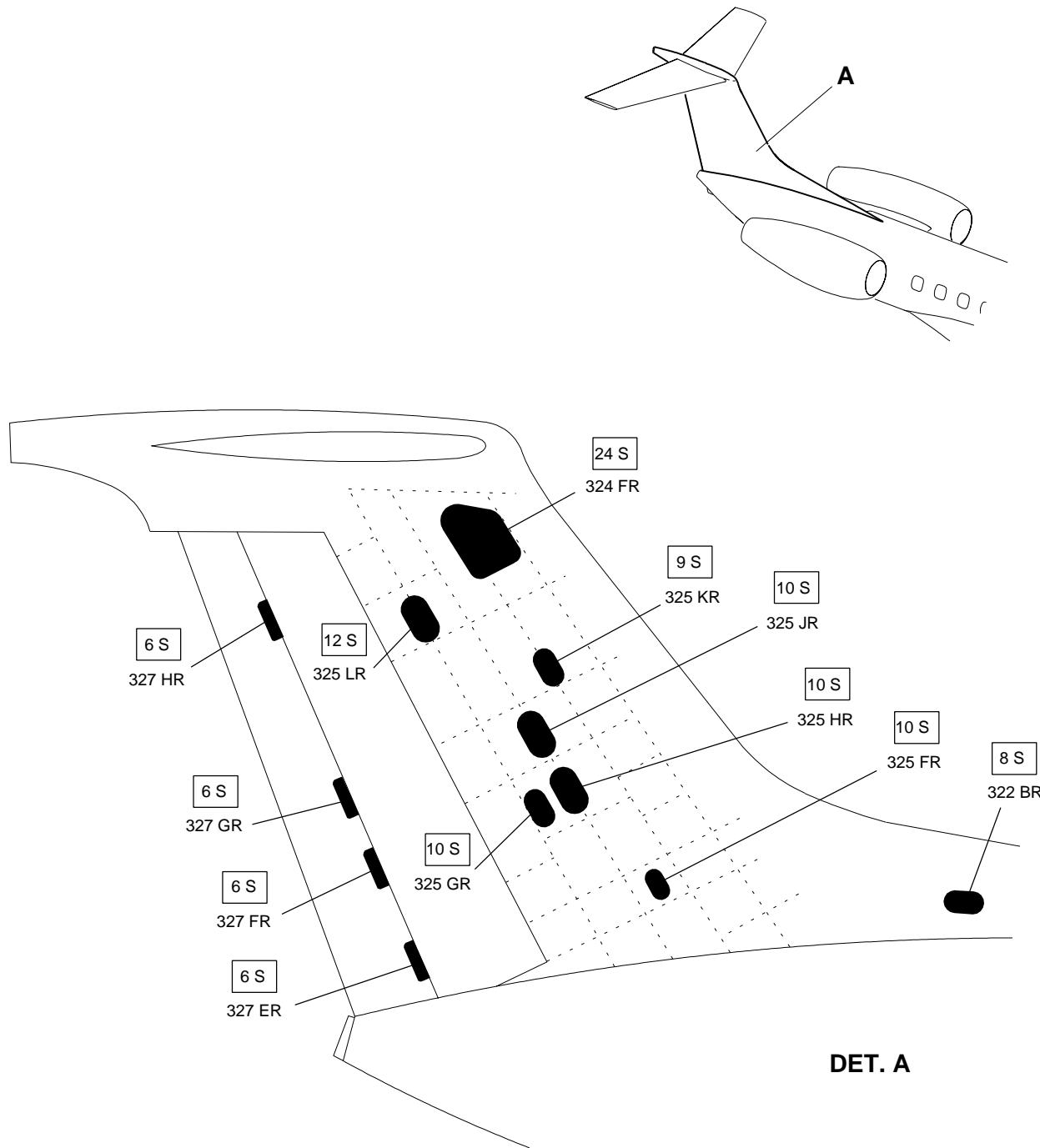
APPLICABLE TO AIRCRAFT 004/999

145AMM060043.MCE B

EFFECTIVITY: ALL

Vertical Stabilizer and Rudders (Sub-zone 320) Access Doors and Panels (RH)

Figure 104

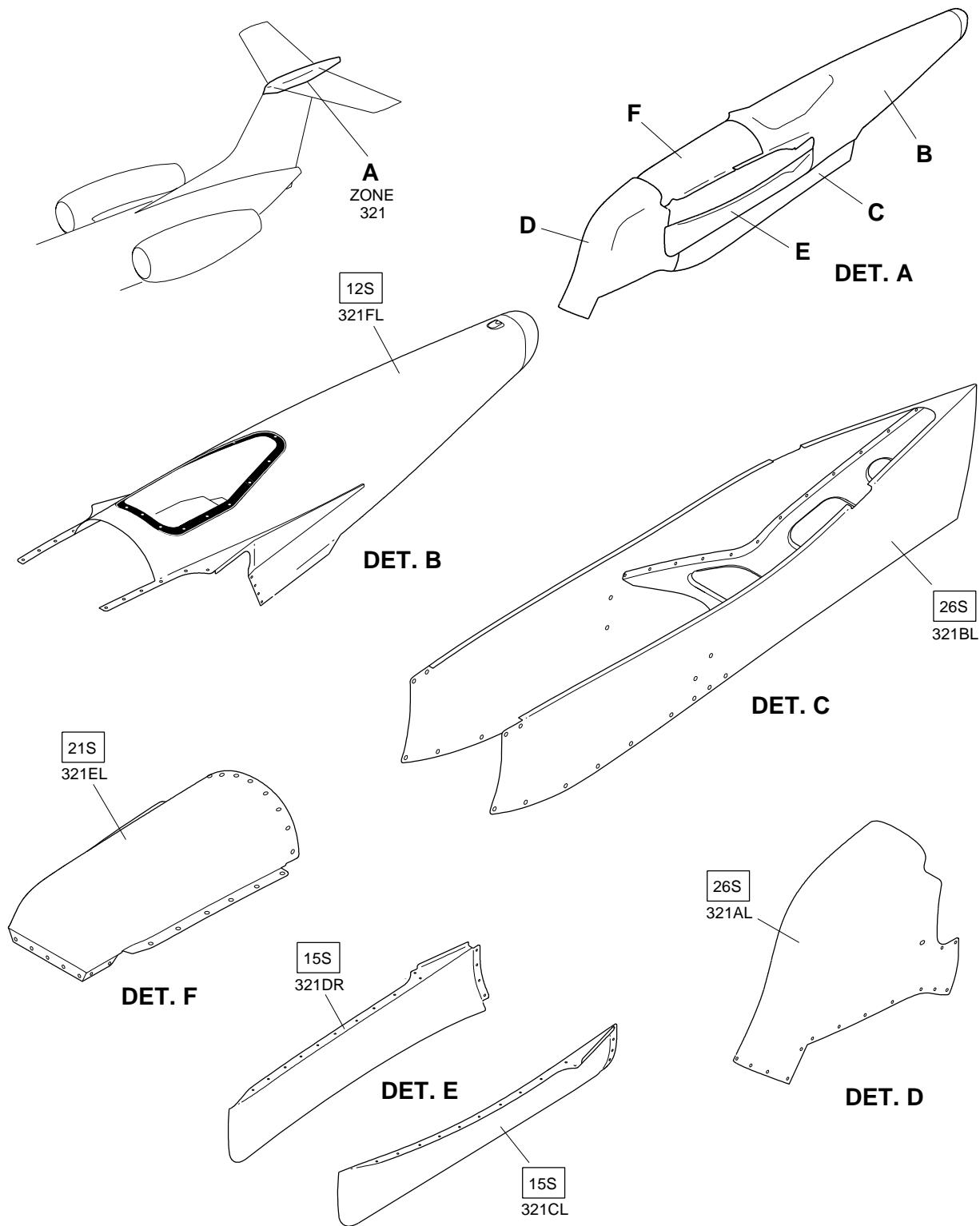


145AMM060044.MCE A

EFFECTIVITY: ALL

Tail Boom (Sub-zone 320) Access Doors and Panels

Figure 105

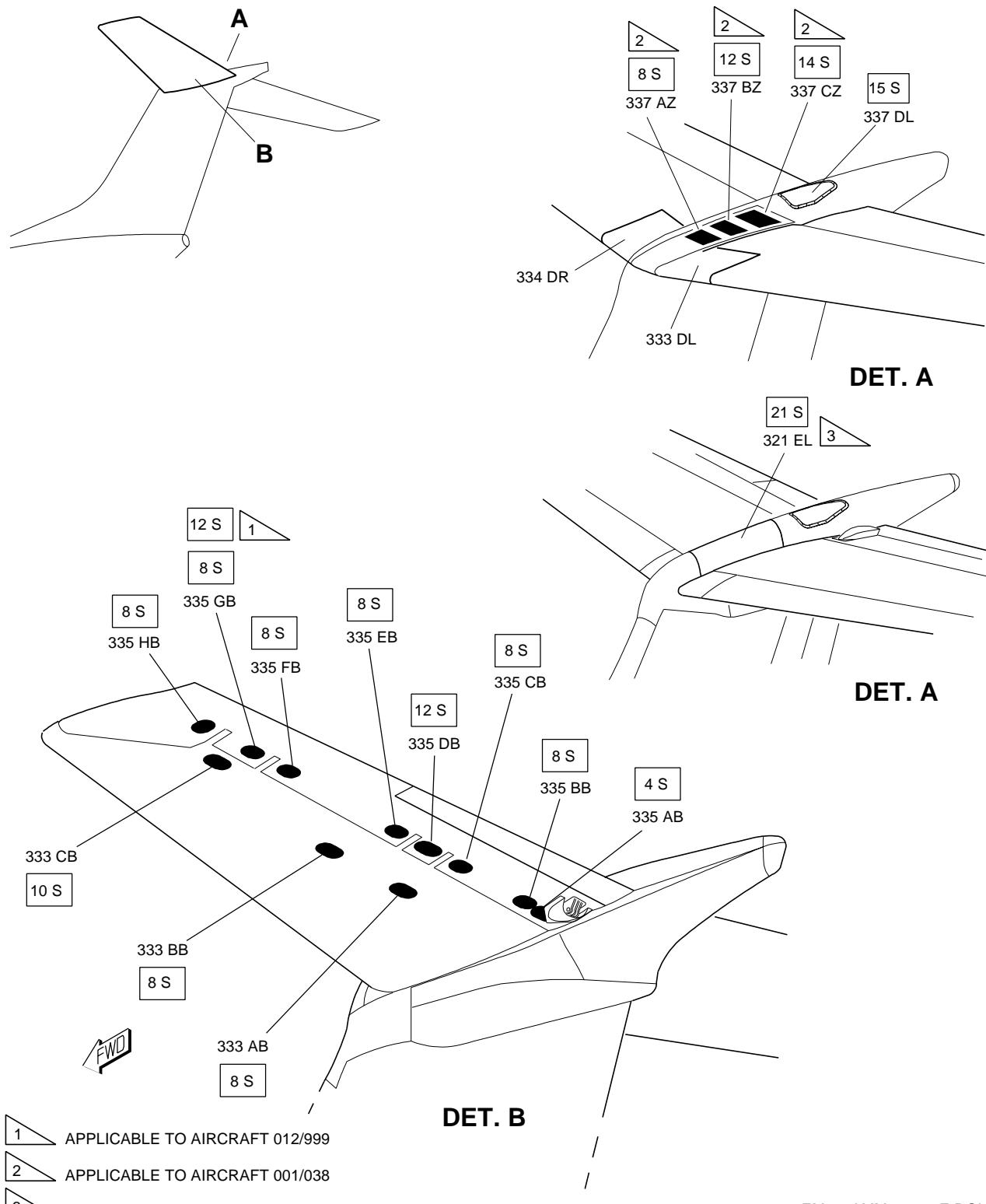


145AMM060439.MCE

EFFECTIVITY: ALL

Horizontal Stabilizer and Elevator (Sub-zone 330) Access Doors and Panels (LH)

Figure 106

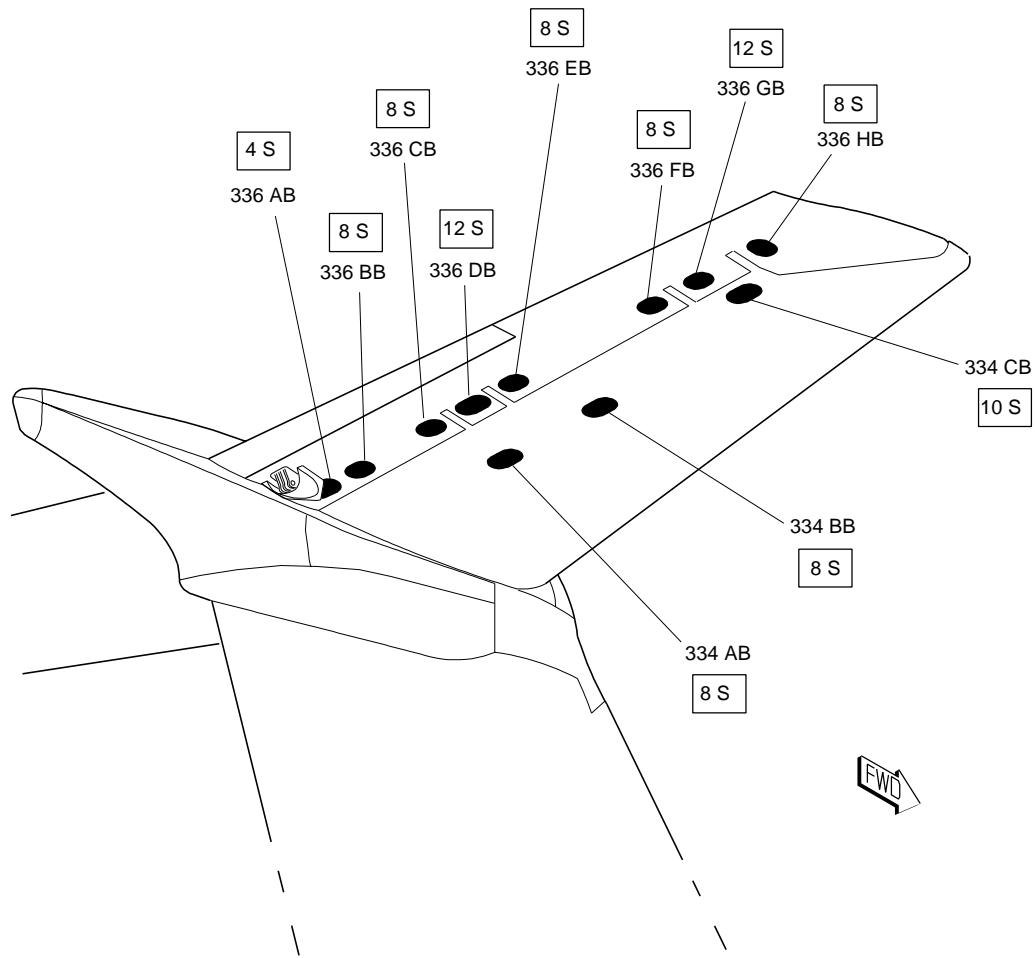
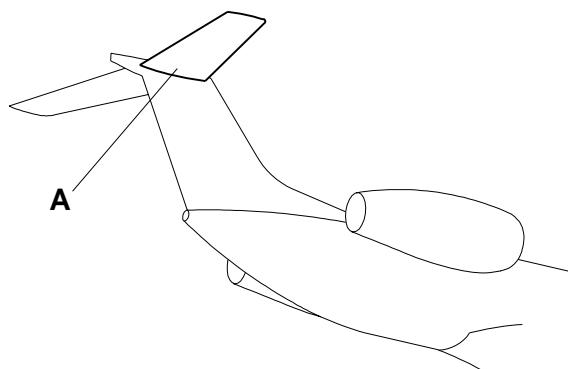


EM145AMM060041E.DGN

EFFECTIVITY: ALL

Horizontal Stabilizer and Elevator (Sub-zone 330) Access Doors and Panels (RH)

Figure 107



DET. A

EM145AMM060600A.DGN

