

VERTICAL STABILIZER - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the vertical stabilizer, area between spars I/II and II/III, for general condition.
- B. Related Zones: 324/325.
- C. (Applicable to all EMB-145 aircraft models) Zone Boundaries: STA X = 25149.8 thru STA X = 26303.8 (SPAR I thru SPAR III).
(Applicable to all EMB-135 aircraft models) Zone Boundaries: STA X = 20850.0 thru STA X = 22764.26 (SPAR I thru SPAR III).
- D. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
05-20-59-200-801-A ♦	VERTICAL STABILIZER - AREA BETWEEN SPARS I/II AND II/III- INTERNAL GENERAL VISUAL INSPECTION	ALL

TASK 05-20-59-200-801-A

EFFECTIVITY: ALL

2. VERTICAL STABILIZER - AREA BETWEEN SPARS I/II AND II/III- INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 55-Z324-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of vertical stabilizer, area between spars I/II and II/III, in zones 324/325, at a distance from which you can touch the items that you will examine.
- (4) The function of the internal visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Apart from any specific targets defined in the Zonal Inspection task, a General Visual Inspection (GVI) must be conducted of the entire zone specified and includes all installations, components and structures. Refer to INTRODUCTION for zonal inspection criteria.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-42-00/100	-
WM 20-22-00	-

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
322		Dorsal fin
324	324AL	Vertical stabilizer
324	324BL	Vertical stabilizer
324	324CL	Vertical stabilizer
324	324DL	Vertical stabilizer
324	324EL	Vertical stabilizer
324	324FR	Vertical stabilizer
325	325AL	Vertical stabilizer
325	325BL	Vertical stabilizer
325	325CL	Vertical stabilizer
325	325DL	Vertical stabilizer
325	325EL	Vertical stabilizer
325	325FL	Vertical stabilizer
325	325FR	Vertical stabilizer
325	325GR	Vertical stabilizer

(Continued)

ZONE	PANEL/DOOR	LOCATION
325	325HR	Vertical stabilizer
325	325JR	Vertical stabilizer
325	325KR	Vertical stabilizer
325	325LR	Vertical stabilizer

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Ladder	To get access to the inspection area	
Standard	Flashlight	To make the inspection of the area easier	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Vertical stabilizer

I. Preparation ([Figure 601](#))

SUBTASK 841-002-A

WARNING: MAKE SURE THAT THE RUDDER IS NOT OPERATED ACCIDENTALLY. AN ACCIDENTAL OPERATION OF THE RUDDER CAN CAUSE INJURY TO PERSONS.

- (1) Put the ladder in position.
- (2) Open access panels 324AL, 324BL, 324CL, 325AL, 325DL, 325CL, 325BL, 324DL, 325EL, 325FL, 324EL, 325FR, 325HR, 325GR, 325JR, 325KR, 325LR, and 324FR (AMM MPP 06-42-00/100) ([Figure 601](#)).

J. Internal General Visual Inspection ([Figure 602](#))

SUBTASK 212-002-A

- (1) Examine the interior of the zone for loose rivets, skin deformation, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, deteriorated protective treatment, and foreign objects.
- (2) Examine the bleed air ducts, input rods on the rudder PCU, and control cables for cracks, crushing, signs of deformation, deterioration, friction, and leakage ([Figure 602](#)).

- (3) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

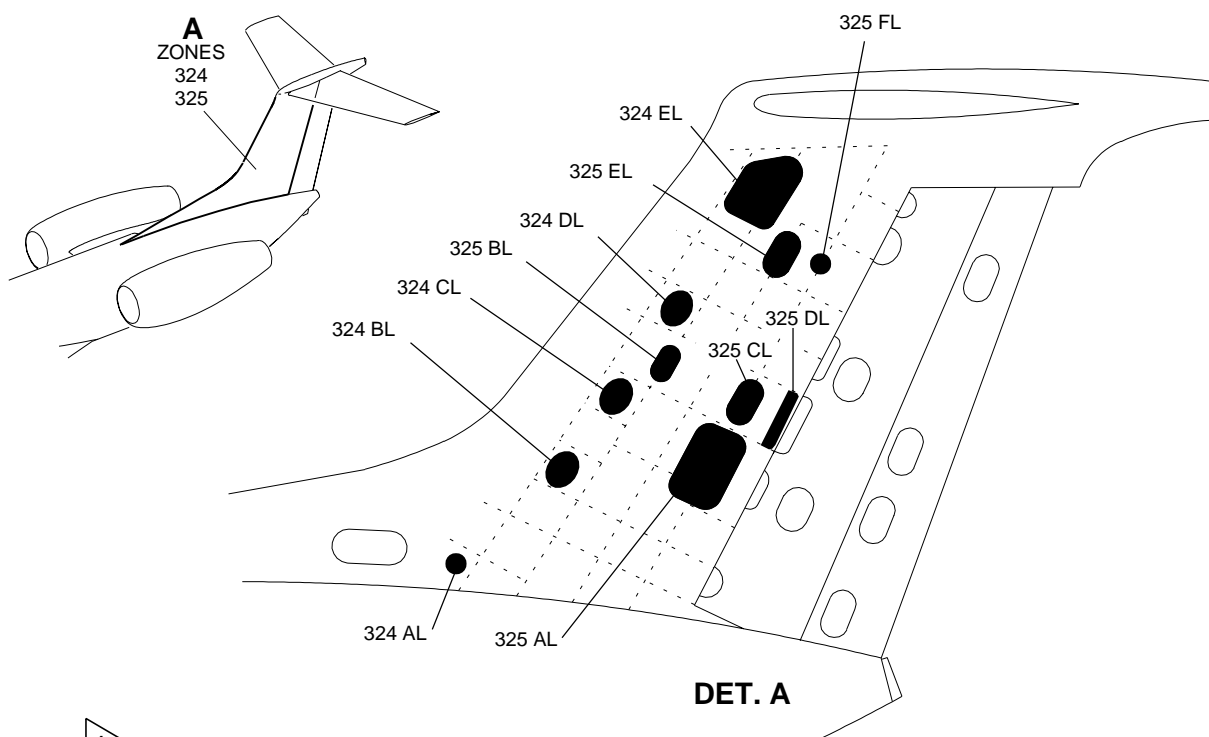
SUBTASK 842-002-A

- (1) Close access panels 324AL, 324BL, 324CL, 325AL, 325DL, 325CL, 325BL, 324DL, 325EL, 325FL, 324EL, 325FR, 325HR, 325GR, 325JR, 325KR, 325LR, and 324FR (AMM MPP 06-42-00/100).
- (2) Remove the ladder.

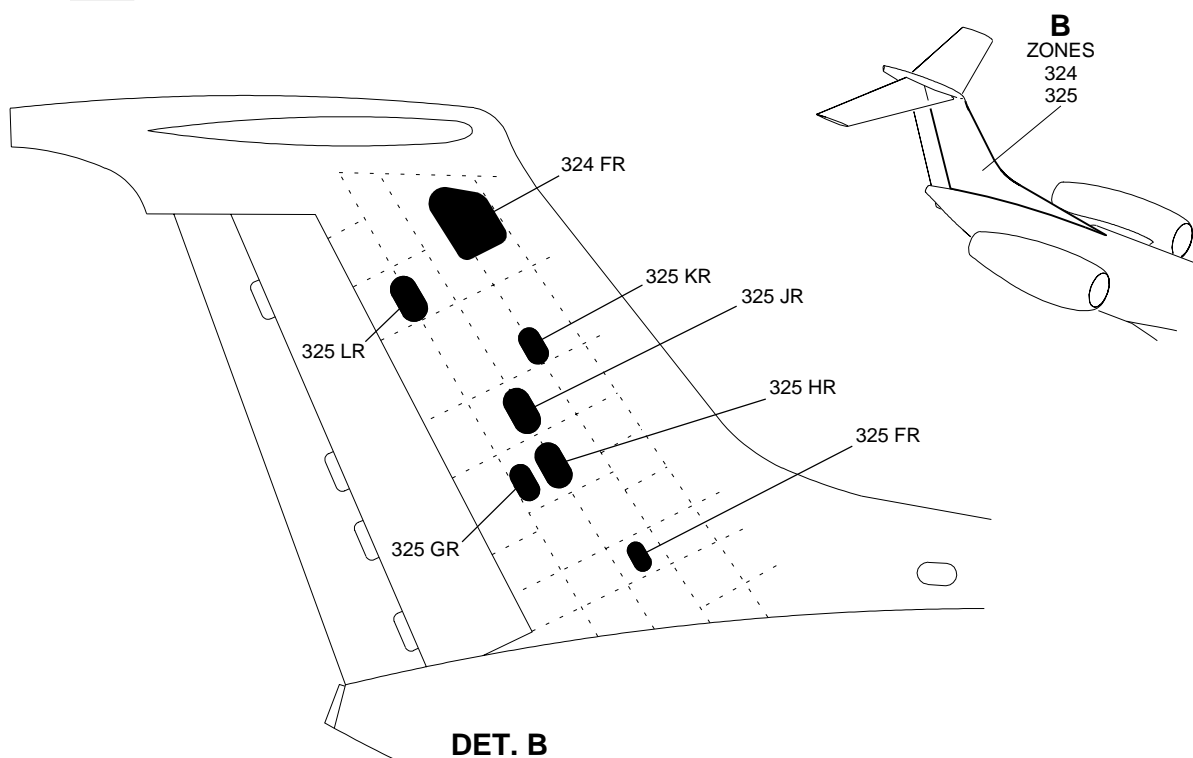
EFFECTIVITY: ALL

Vertical Stabilizer - Access Panels

Figure 601



1 APPLICABLE TO AIRCRAFT 004/999



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EFFECTIVITY: ALL

Vertical Stabilizer - Internal General Visual Inspection

Figure 602

