



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

HORIZONTAL STABILIZER - EXTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the horizontal stabilizer for general condition.
- B. Related Zones: 331/332/333/334.
- C. (Applicable to EMB-145 (ALL) models) Zone Boundaries: STA X = 27440.8 thru STA X = 29108.4 (SPAR I thru SPAR II).  
(Applicable to EMB-135 (ALL) models) Zone Boundaries: STA X = 23900.7 thru STA X = 25568.6 (SPAR I thru SPAR II).
- 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
05-20-52-200-801-A ♦	HORIZONTAL STABILIZER - EXTERNAL GENERAL VISUAL INSPECTION	ALL

**TASK 05-20-52-200-801-A**
**EFFECTIVITY: ALL**
**2. HORIZONTAL STABILIZER - EXTERNAL GENERAL VISUAL INSPECTION**
**A. General**

- (1) This task gives instructions to do SMRD Zonal Task 55-Z333-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of horizontal stabilizer, at zones 331/332/333/334, within a touching distance of the items examined.
- (3) The function of the external general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

**B. Zones and Accesses**

Not Applicable

**C. Tools and Equipment**

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Standard	Ladder	To get access to the inspection area	

**D. Auxiliary Items**

Not Applicable

**E. Consumable Materials**

Not Applicable

**F. Expandable Parts**

Not Applicable

**G. Persons Recommended**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Horizontal stabilizer

**H. Preparation**
**SUBTASK 841-002-A**

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

- (1) Put the ladder in position.

**I. External General Visual Inspection ([Figure 601](#))**
**SUBTASK 213-002-A**

- (1) Examine the horizontal stabilizer zone for loose rivets, nicks, cracks, dents, skin deformation, sealant condition, erosion, corrosion, deteriorated protective treatment, and bonding jumper condition ([Figure 601](#)).
- (2) Examine the horizontal stabilizer leading edge LH and RH for integrity.



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J. Follow-on

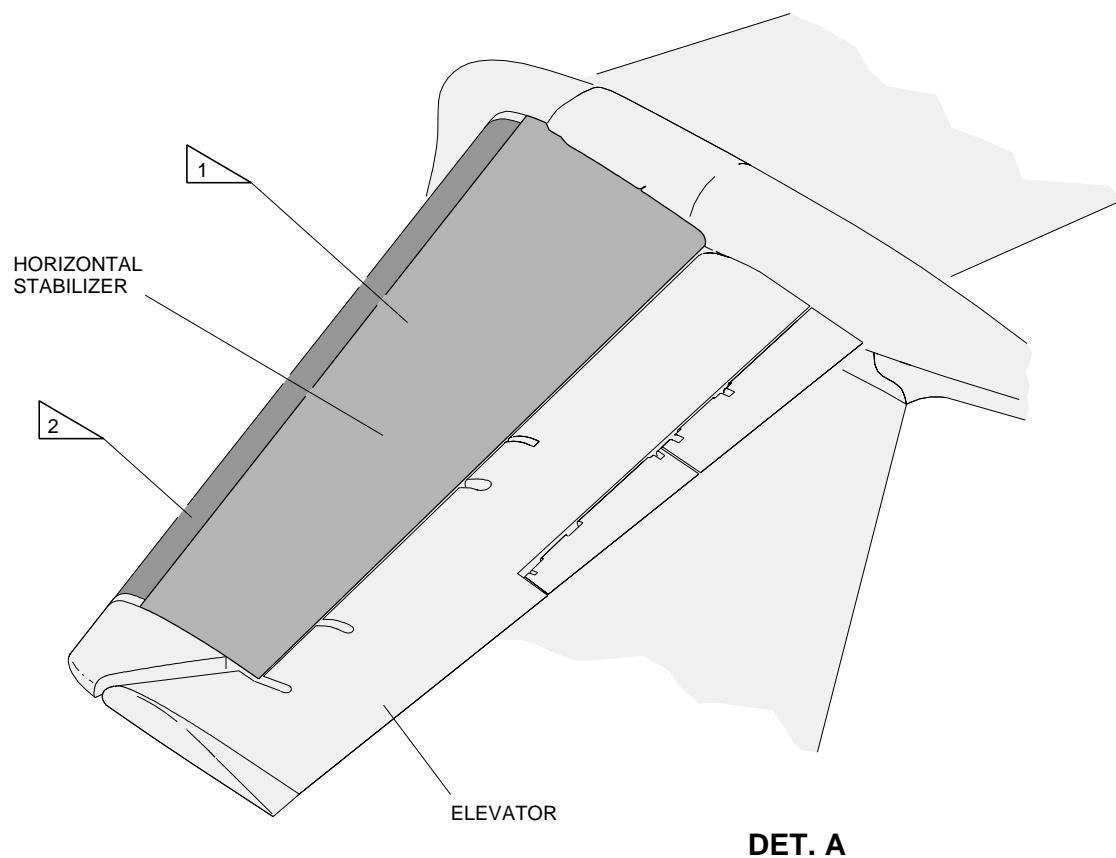
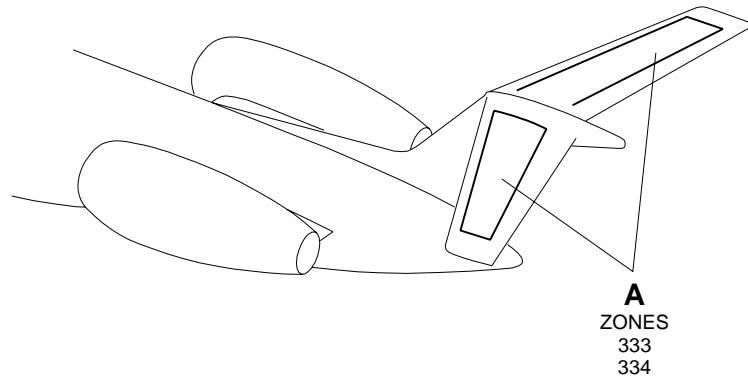
SUBTASK 842-002-A

- (1) Remove the ladder.

**EFFECTIVITY: ALL**

Horizontal Stabilizer - External General Visual Inspection

Figure 601



 2 EXTERNAL VISUAL INSPECTION OF THE HORIZONTAL STABILIZER LEADING EDGE.

 1 EXTERNAL VISUAL INSPECTION OF THE HORIZONTAL STABILIZER.

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