



AIRCRAFT
MAINTENANCE MANUAL

HORIZONTAL STABILIZER - INTERNAL - 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
05-20-53-200-801-A ♦	HORIZONTAL STABILIZER - INTERNAL GENERAL VISUAL INSPECTION	ALL



AIRCRAFT
MAINTENANCE MANUAL

TASK 05-20-53-200-801-A

EFFECTIVITY: ALL

2. HORIZONTAL STABILIZER - INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do SMRD Zonal Task 55-Z333-214-001-A00.
- (2) You must do the internal 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 internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 55-15-00-000-801-A/400	HORIZONTAL-STABILIZER LEADING EDGE - REMOVAL
AMM TASK 55-15-00-400-801-A/400	HORIZONTAL-STABILIZER LEADING EDGE - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
333	333AB	Horizontal stabilizer
333	333BB	Horizontal stabilizer
333	333CB	Horizontal stabilizer
333	333DL	Horizontal stabilizer
334	334AB	Horizontal stabilizer
334	334BB	Horizontal stabilizer
334	334CB	Horizontal stabilizer
334	334DR	Horizontal 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



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Horizontal stabilizer

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

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.
- (2) Open access panels 333AB, 333BB, 333CB, 333DL, 334AB, 334BB, 334CB and 334DR (AMM MPP 06-42-00/100) ([Figure 601](#)).
- (3) Remove the horizontal-stabilizer leading edge ([AMM TASK 55-15-00-000-801-A/400](#)).

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 ([Figure 602](#)).
- (2) Examine the interior of the zone for leakage on the skin, signs of friction, tension, broken strands, and signs of overheating.
- (3) Examine the interior of the horizontal-stabilizer leading edge for integrity.

K. Follow-on

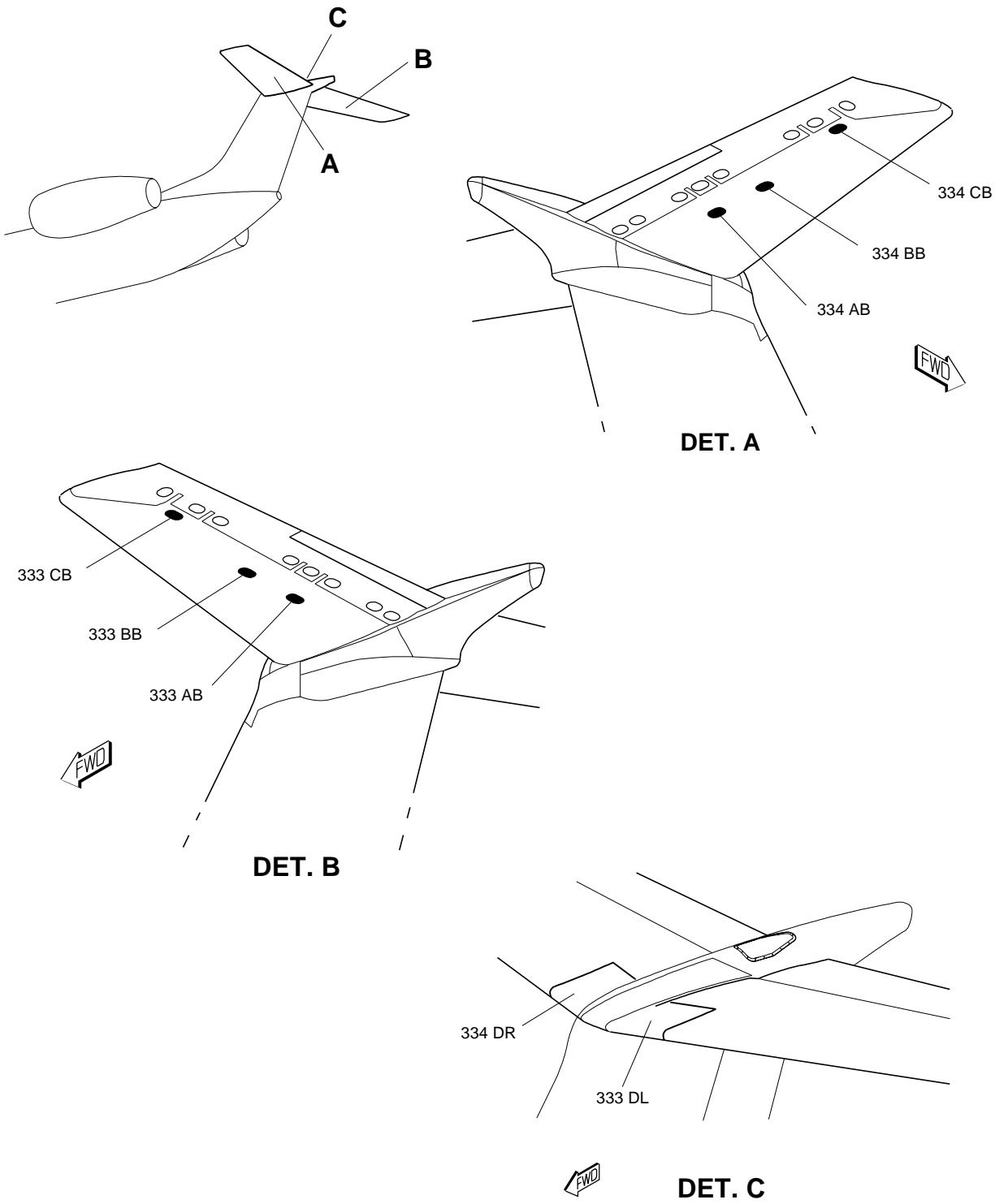
SUBTASK 842-002-A

- (1) Close access panels 333AB, 333BB, 333CB, 333DL, 334AB, 334BB, 334CB and 334DR (AMM MPP 06-42-00/100).
- (2) Install the horizontal-stabilizer leading edge ([AMM TASK 55-15-00-400-801-A/400](#)).
- (3) Remove the ladder.

EFFECTIVITY: ALL

Horizontal Stabilizer - Access Panels

Figure 601

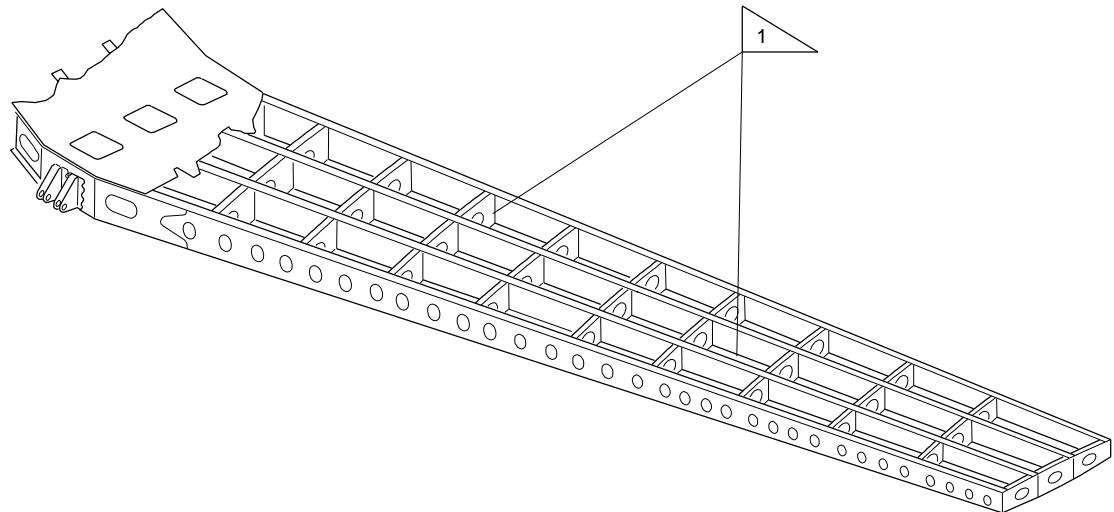
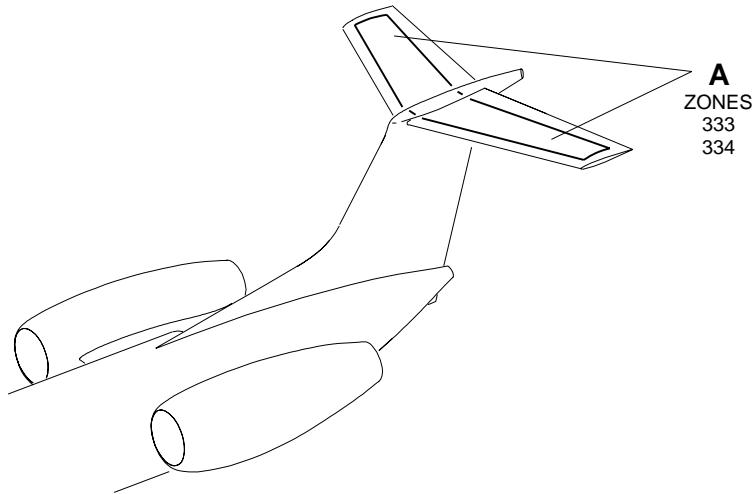


EM145AMM050181A.DGN

EFFECTIVITY: ALL

Horizontal Stabilizer - Internal General Visual Inspection

Figure 602



INTERNAL VISUAL INSPECTION OF THE HORIZONTAL STABILIZER FOR GENERAL CONDITION.

145AMM050203.MCE

