



AIRCRAFT
MAINTENANCE MANUAL

WING TIP SECTION BETWEEN SPAR I AND SPAR II - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the wing tip section for general condition.
- B. Related Zones: 551/561/651/661.
- C. Zone Boundaries: STA Ya = - 7792.08 (rib 19) thru STA Ya = - 9785.00 (rib 25) and Spars I & 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
05-20-89-200-801-A ♦	WING TIP SECTION BETWEEN SPAR I AND SPAR II - INTERNAL GENERAL VIS- UAL INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 05-20-89-200-801-A

EFFECTIVITY: ALL

2. WING TIP SECTION BETWEEN SPAR I AND SPAR II - INTERNAL GENERAL VISUAL INSPECTION

A. General

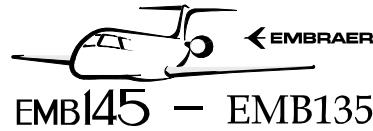
- (1) This task gives instructions to do SMRD Zonal Task 57-Z551-214-001-A00, as applicable.
- (2) You must do the internal general visual inspection (GVI) of wing tip, in zones 551/561/651/661, at a distance from which you can touch the items that you will examine.
- (3) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (4) After you complete the procedures given in the Zonal Inspection task, you must do a General Visual Inspection (GVI) in all of the specified zones. The inspection must include all installations, components, and structures. Refer to the AMM Introduction for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM TASK 57-30-00-000-801-A/400	WING TIP - REMOVAL
AMM TASK 57-30-00-400-801-A/400	WING TIP - INSTALLATION
AMM TASK 57-30-01-000-801-A/400	-
AMM TASK 57-30-01-400-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
551	551AB	Wing
551	551BB	Wing
551	551CB	Wing
551	551DB	Wing
551	551EB	Wing
551	551FT	Wing
651	651AB	Wing
651	651BB	Wing
651	651CB	Wing
651	651DB	Wing
651	651EB	Wing
651	651FT	Wing
561	561AL	Winglet
561	561BB	Winglet
561	561CL	Winglet



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

(Continued)

ZONE	PANEL/DOOR	LOCATION
561	561DL	Winglet
661	661AR	Winglet
661	661BB	Winglet
661	661CR	Winglet
661	661DR	Winglet

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
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	Wing tip section

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

SUBTASK 841-002-A

- (1) Put the ladder in position.
- (2) Open access panels 661BB, 561BB, 561CL, and 661CR ([AMM MPP 06-44-00/100](#)).
- (3) Remove the wingtip lens ([AMM TASK 57-30-01-000-801-A/400](#)).
- (4) Open access panels 551AB, 551BB, 551CB, 551DB, 551EB, 551FT, 651AB, 651BB, 651CB, 651DB, 651EB and 651FT ([AMM MPP 06-44-00/100](#)) ([Figure 601](#)).
- (5) Remove the wing tip ([AMM TASK 57-30-00-000-801-A/400](#)).

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

SUBTASK 212-002-A

- (1) Do an inspection on the zone for loose rivets, screws, nicks, cracks, dents, skin deformation, sealant poor condition, erosion, corrosion, deformation, and deteriorated protective treatment ([Figure 602](#)).



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (2) Examine the upper skin at actuator access holes, spanwise joint, torque box, and leading edge and spar attachments for loose rivets, nicks, cracks, dents, erosion, corrosion, sealant poor condition, flaking painting, and deteriorated protective treatment.
- (3) Examine the lower skin at actuator access holes, skin panels, spanwise joint, torque box, and aileron attachments for loose rivets, nicks, cracks, dents, erosion, corrosion, sealant poor condition, flaking painting, and deteriorated protective treatment ([Figure 602](#)).
- (4) Examine the wing tip for integrity.

K. Follow-on

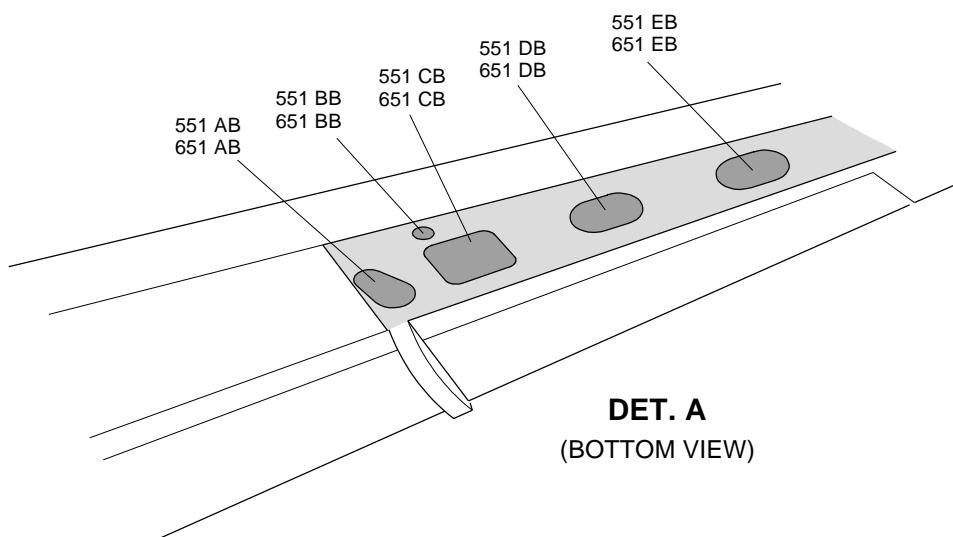
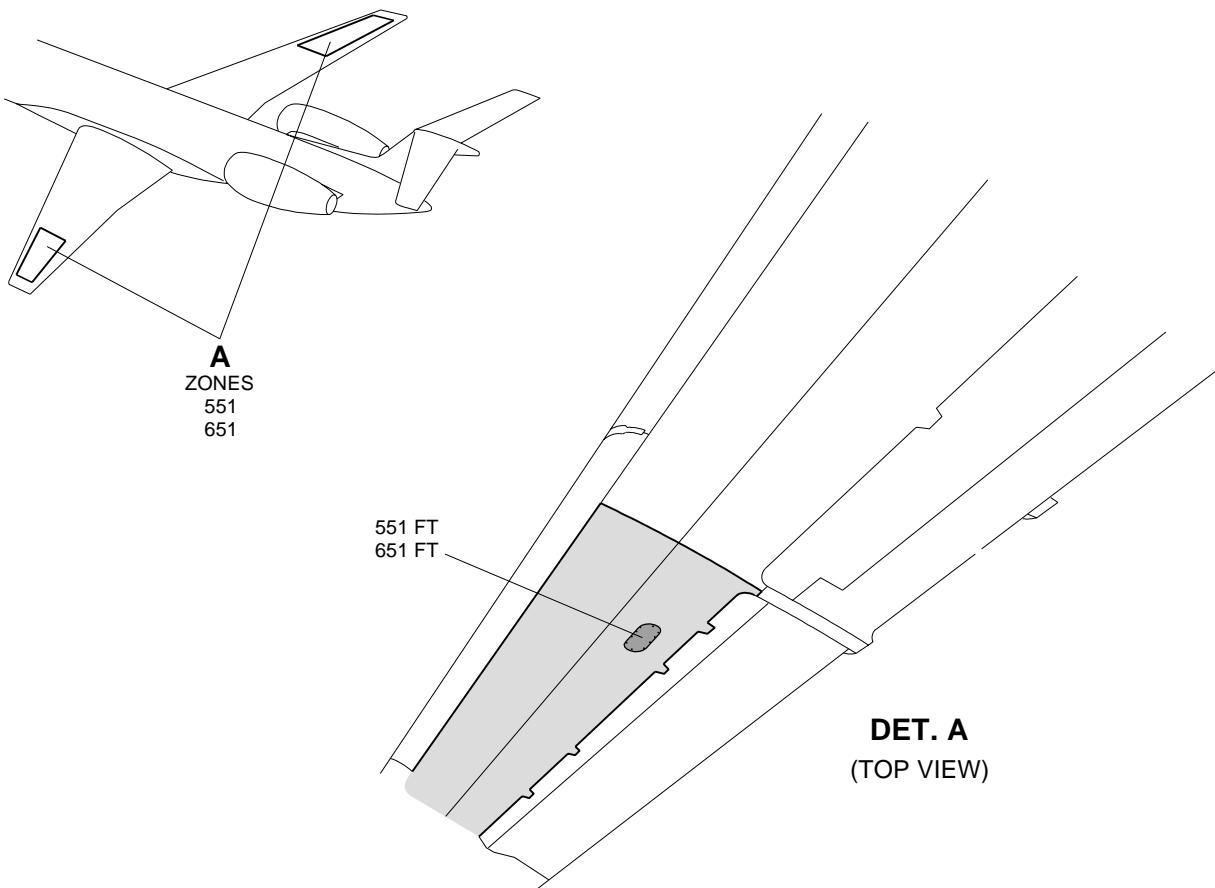
SUBTASK 842-002-A

- (1) Close access panels 551AB, 551BB, 551CB, 551DB, 551EB, 551FT, 651AB, 651BB, 651CB, 651DB, 651EB and 651FT ([AMM MPP 06-44-00/100](#)).
- (2) Install the wing tip ([AMM TASK 57-30-00-400-801-A/400](#)).
- (3) Install the wingtip lens (AMM TASK 57-30-01-400-801-A/400).
- (4) Close access panels 661BB, 561BB, 561CL, and 661CR ([AMM MPP 06-44-00/100](#)).
- (5) Remove the ladder.

EFFECTIVITY: ALL

Wing Tip Section, Between Spar I and Spar II - Access Panels

Figure 601

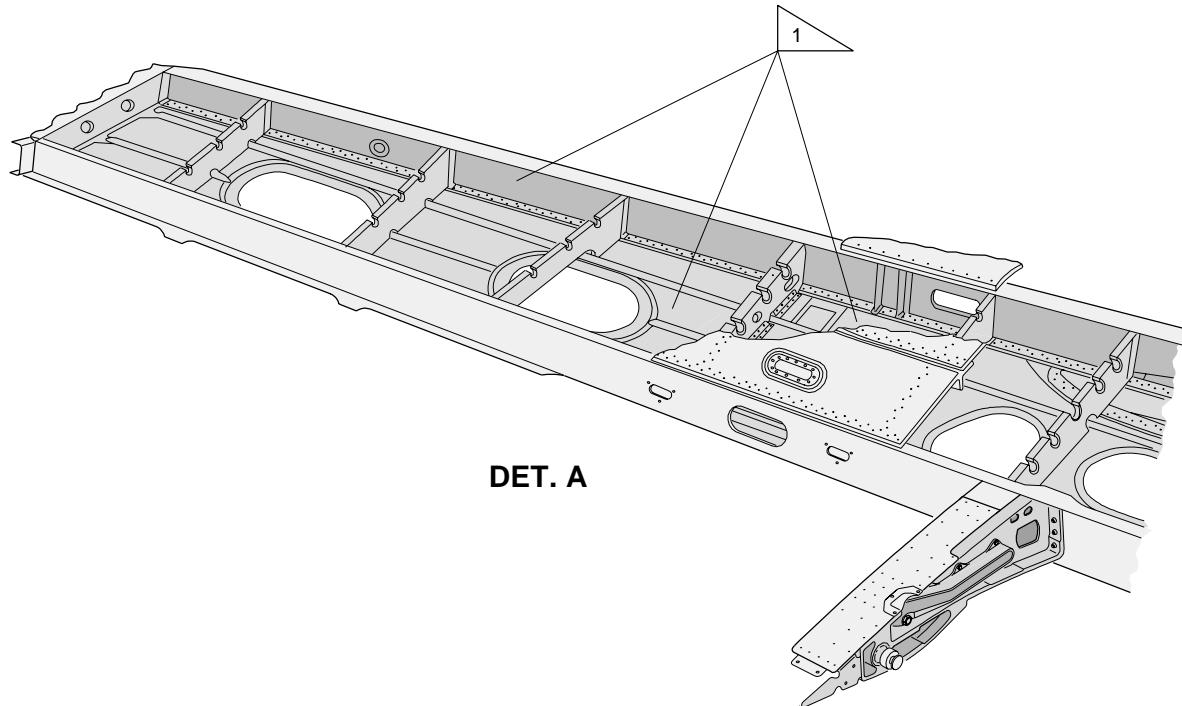
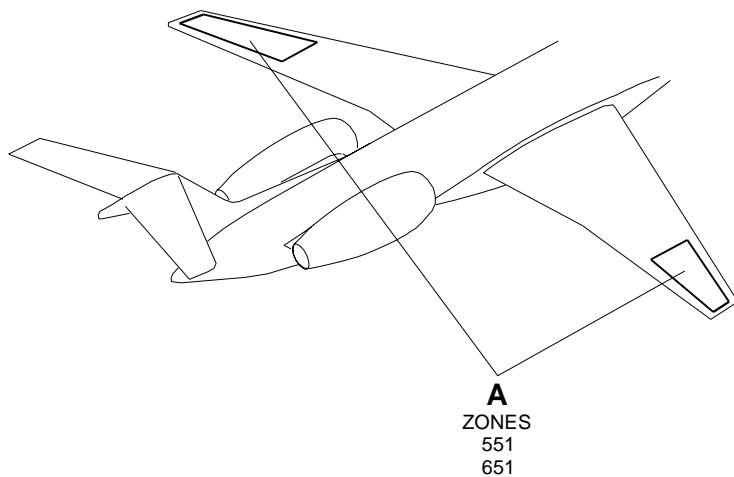


EM145AMM050201B.DGN

EFFECTIVITY: ALL

Wing Tip Section, Between Spar I and Spar II - Internal General Visual Inspection

Figure 602



INTERNAL VISUAL INSPECTION OF THE WING TIP SECTION.

EM145AMM050230B.DGN