



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

WING TIP SECTION BETWEEN SPAR I AND SPAR II - EXTERNAL - 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
05-20-88-200-802-A ♦	WING TIP SECTION BETWEEN SPAR I AND SPAR II - EXTERNAL GENERAL VIS- UAL INSPECTION	ALL



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TASK 05-20-88-200-802-A

EFFECTIVITY: ALL

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

A. General

- (1) This task gives instructions to do SMRD Zonal Task 57-Z551-213-001-A00 or 57-Z551-213-002-A00, as applicable.
- (2) You must do the external general visual inspection (GVI) of wing tip section, at zones 551/561/651/661, 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

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Stand	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

QTY	FUNCTION	PLACE
1	Does the task	Wing tip section

H. Preparation

SUBTASK 841-002-A

- (1) Put the stand in position.

I. External General Visual Inspection ([Figure 601](#)) ([Figure 602](#)) ([Figure 603](#))

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, deteriorated protective treatment, and bonding jumper condition ([Figure 601](#)).
- (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 ([Figure 602](#)).



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- (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 603](#)).

- (4) Examine the wing tip fairing for integrity.

J. Follow-on

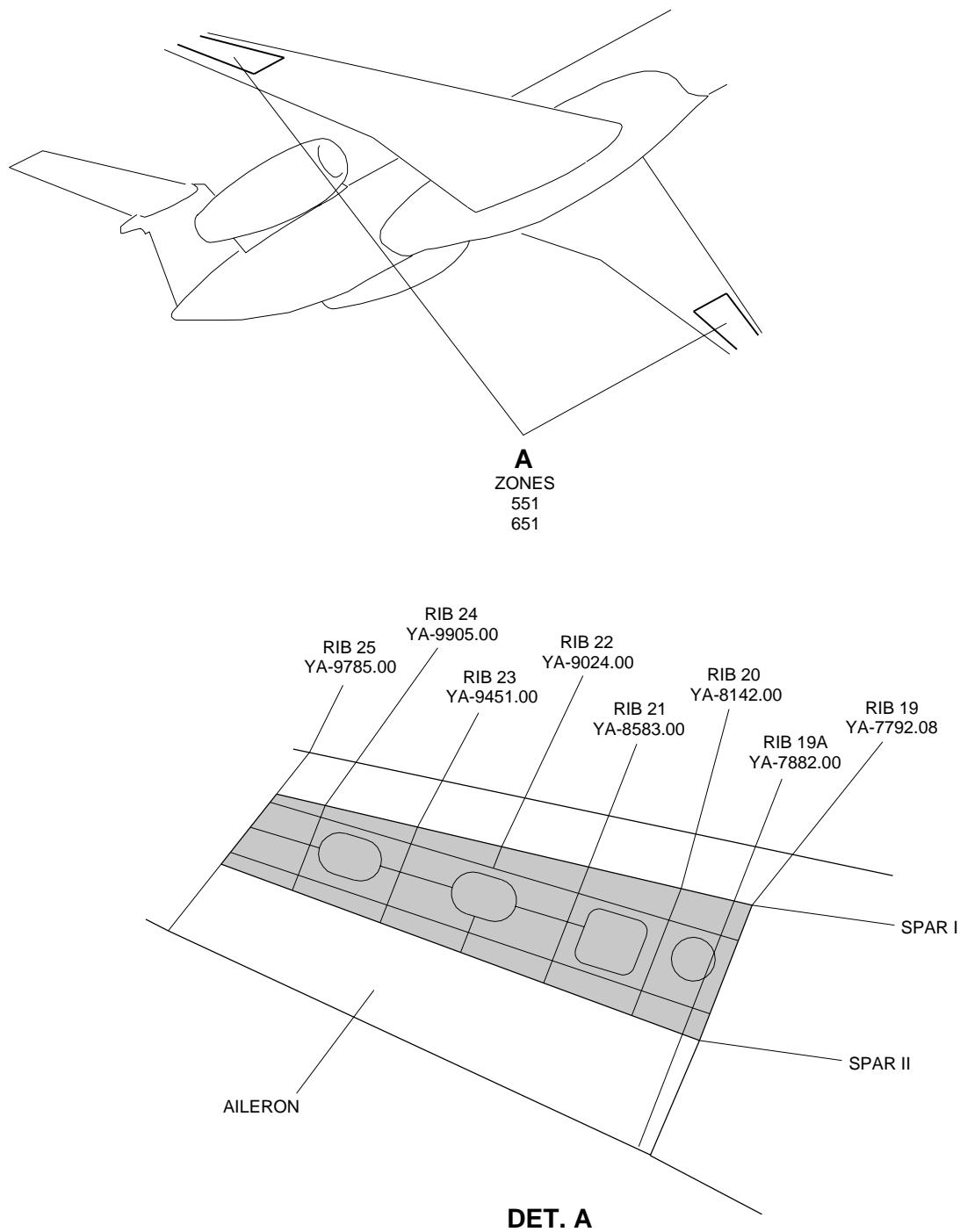
SUBTASK 842-002-A

- (1) Remove the stand.

EFFECTIVITY: ALL

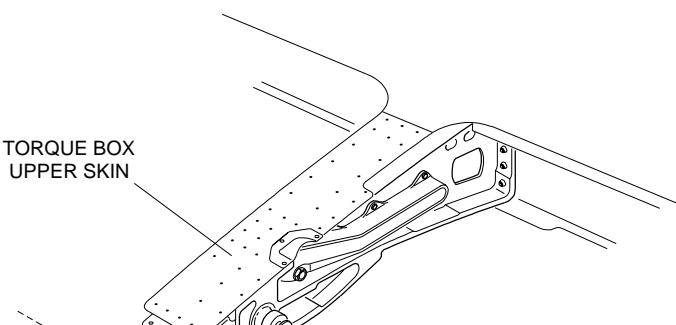
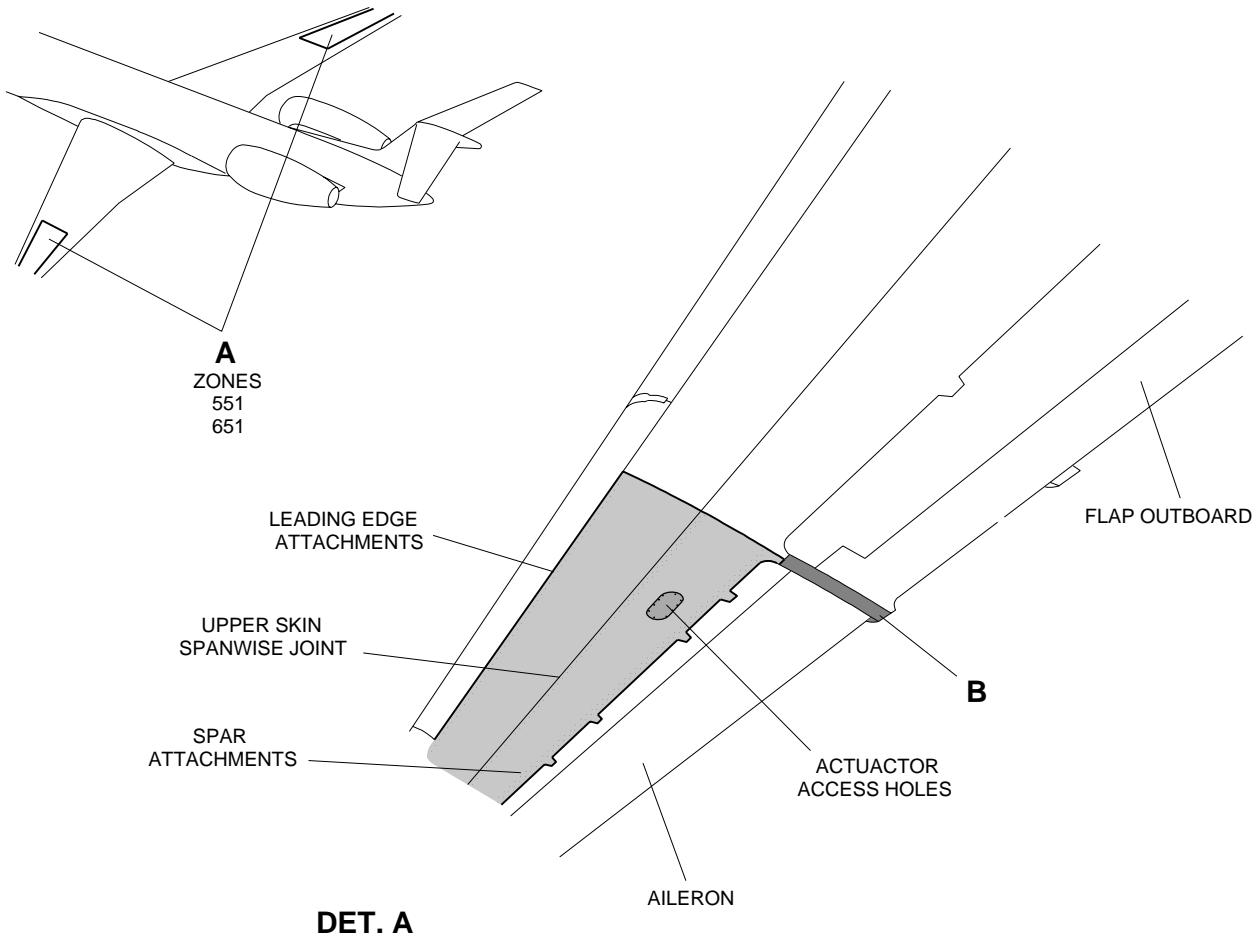
Wing Tip Section, Between Spar I and Spar II - Wing Station Diagram

Figure 601



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EFFECTIVITY: ALL

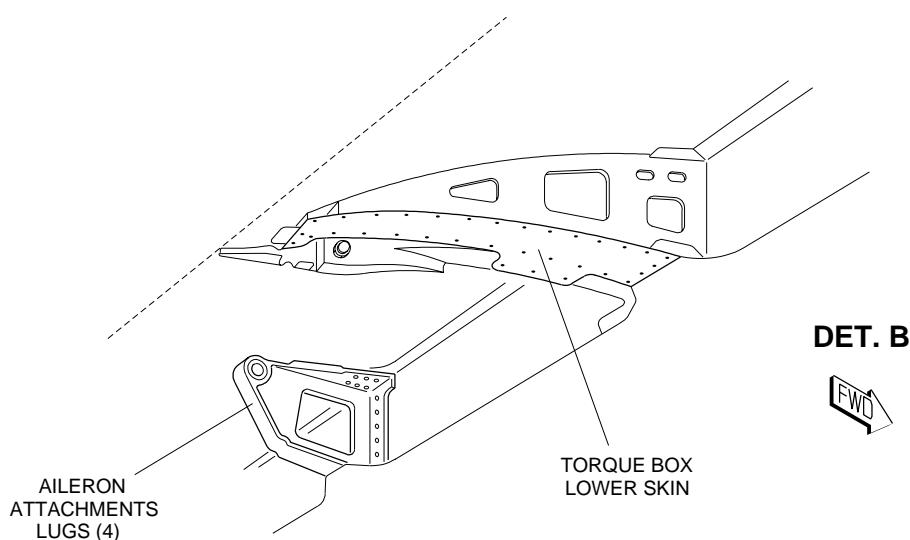
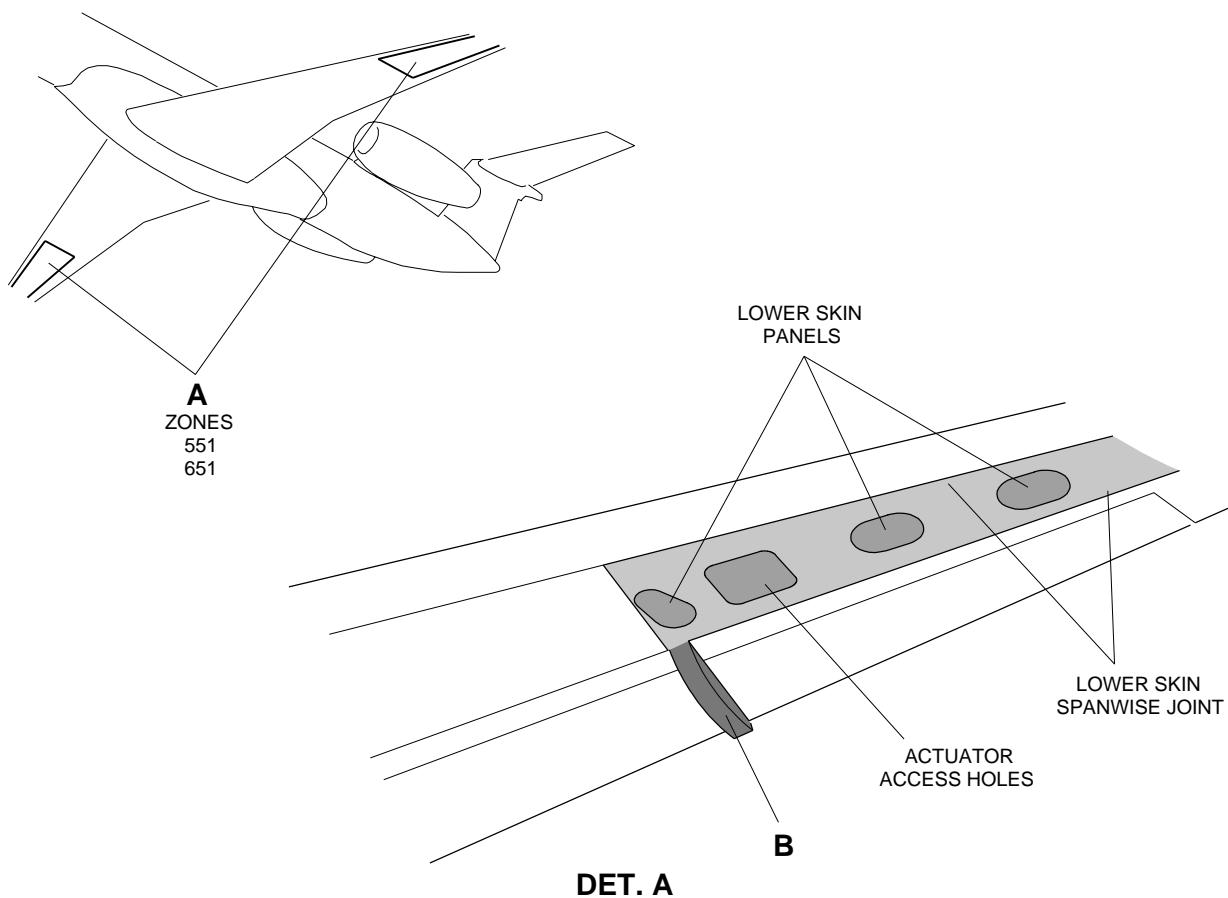
 Wing Tip Section, Between Spar I and Spar II - External General Visual Inspection - Upper Skin
 Figure 602

DET. B


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EFFECTIVITY: ALL

Wing Tip Section, Between Spar I and Spar II - External General Visual Inspection - Lower Skin

Figure 603



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