



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**WING MIDDLE 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 middle section for general condition.
- B. Related Zones: 541/641.
- C. Zone Boundaries: STA Y = -3815.00 (rib 9) thru STA YA = -7792.08 (rib 19) and spar I and 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
05-20-86-200-801-A ♦	WING MIDDLE SECTION BETWEEN SPAR I AND SPAR II - EXTERNAL GENERAL VISUAL INSPECTION	ALL



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TASK 05-20-86-200-801-A

EFFECTIVITY: ALL

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

A. General

- (1) This task gives instructions to do SMRD Zonal Task 57-Z541-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of wing, at zones 541/641, 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. References

REFERENCE	DESIGNATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-22-00-600-801-A/300	LIGHT DIRT - SERVICING
AMM TASK 12-22-00-600-802-A/300	HEAVY DIRT - SERVICING

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Stand	To get access to the inspection area	

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 middle section

I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**



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- (1) If necessary, clean the inspection area ([AMM TASK 12-22-00-600-801-A/300](#)) or ([AMM TASK 12-22-00-600-802-A/300](#)) as applicable.

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

SUBTASK 212-002-A

- (1) Examine the wing middle section for loose rivets, nicks, cracks, dents, skin deformation, sealant condition, erosion, corrosion, painting bad condition, and deteriorated protective treatment.
- (2) Examine the upper skin at spanwise joint, torque box and torque box 2 spar 3 attachments, gravity fuel hole, spar attachments, and flap attachment actuator lugs for loose rivets, nicks, cracks, dents, erosion, corrosion, sealant poor condition, flaking painting, and deteriorated protective treatment ([Figure 601](#)).
- (3) Examine the lower skin at access holes, vent hole, and spanwise joint for loose rivets, nicks, cracks, dents, erosion, corrosion, sealant poor condition, flaking painting, and deteriorated protective treatment ([Figure 602](#)).

K. Follow-on

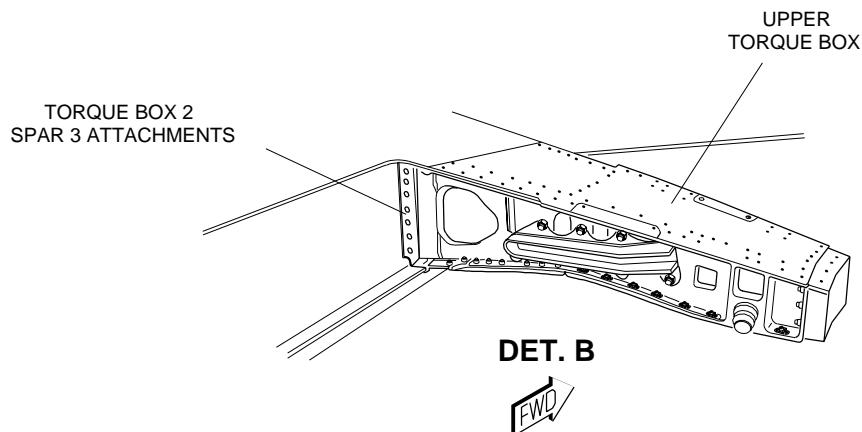
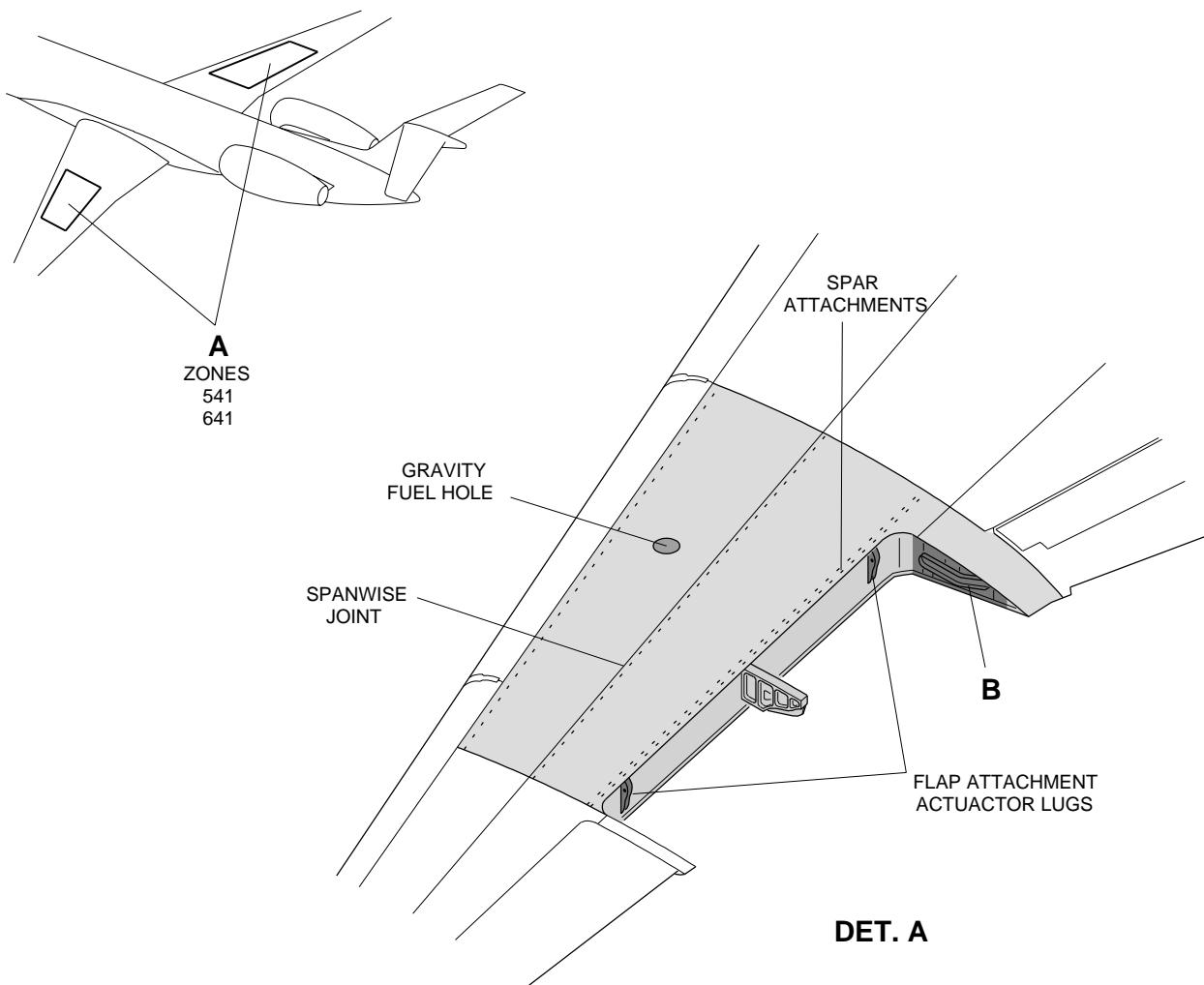
SUBTASK 842-002-A

- (1) Remove the stand.

**EFFECTIVITY: ALL**

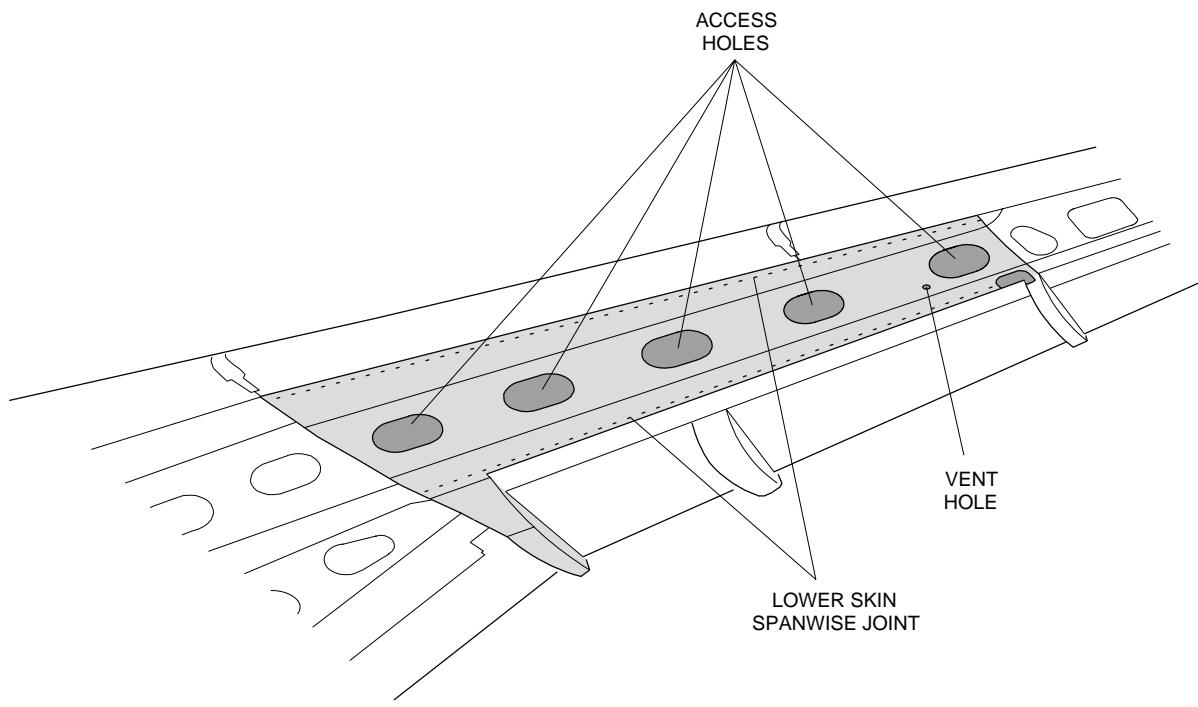
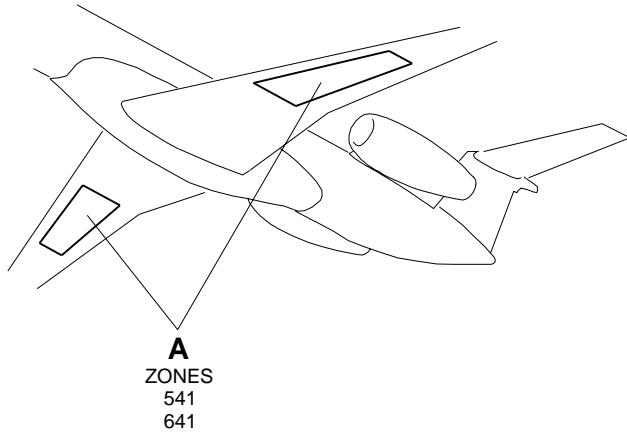
Wing Middle Section, Between Spar I and Spar II - External General Visual Inspection - Upper Skin

Figure 601



145AMM050220.MCE A

**EFFECTIVITY: ALL**

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


145AMM050219.MCE A

