



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

WING ROOT 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 root section for general condition.
- B. Related Zones: 531/631.
- C. Zone Boundaries: STA Y = -960.00 (rib 1) thru STA Y = -3815.00 (rib 9) 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
05-20-83-200-801-A ♦	WING ROOT SECTION BETWEEN SPAR I AND SPAR II - INTERNAL GENERAL VIS- UAL INSPECTION	ALL



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TASK 05-20-83-200-801-A

EFFECTIVITY: ALL

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

A. General

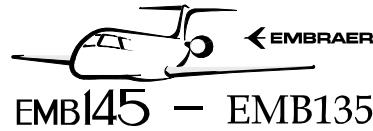
- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 57-Z531-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of wing, in zones 531/631, at a distance from which you can touch the items that you will examine.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) 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 INTRODUCTION for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-11-01-000-801-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-11-01-000-802-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-11-01-400-801-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION
AMM TASK 28-11-01-400-802-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
531	531AB	Wing
531	531BB	Wing
531	531CB	Wing
531	531DB	Wing
631	631AB	Wing
631	631BB	Wing
631	631CB	Wing
631	631DB	Wing



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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 root section

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

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.

- (1) Make sure that the aircraft is defueled ([AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Remove the fuel-tank access panels 531AB, 531BB, 531CB, 531DB, 631AB, 631BB, 631CB and 631DB ([AMM TASK 28-11-01-000-801-A/400](#)) or ([AMM TASK 28-11-01-000-802-A/400](#)) as applicable ([Figure 601](#)).

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

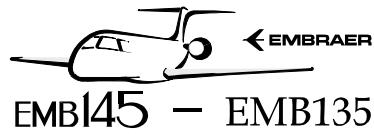
SUBTASK 212-002-A

- (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 at tank vent plumbing, motive flow line, and ejector pump for leakage, signs of friction, tension, broken strands, and signs of overheating ([Figure 602](#)).
- (3) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

SUBTASK 842-002-A

- (1) Install the fuel-tank access panels 531AB, 531BB, 531CB, 531DB, 631AB, 631BB, 631CB and 631DB ([AMM TASK 28-11-01-400-801-A/400](#)) or ([AMM TASK 28-11-01-400-802-A/400](#)) as applicable.



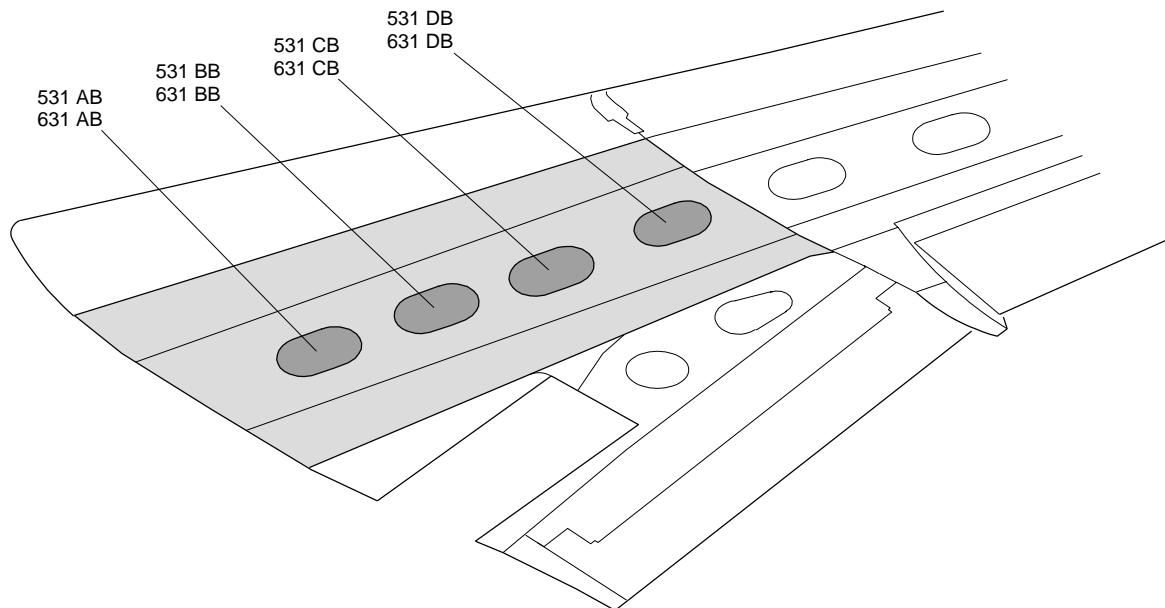
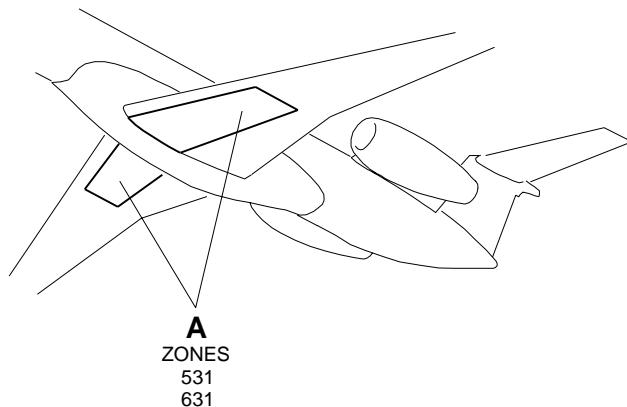
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-
- (2) Examine the access panels which were removed and opened for fuel leakage.

EFFECTIVITY: ALL

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

Figure 601



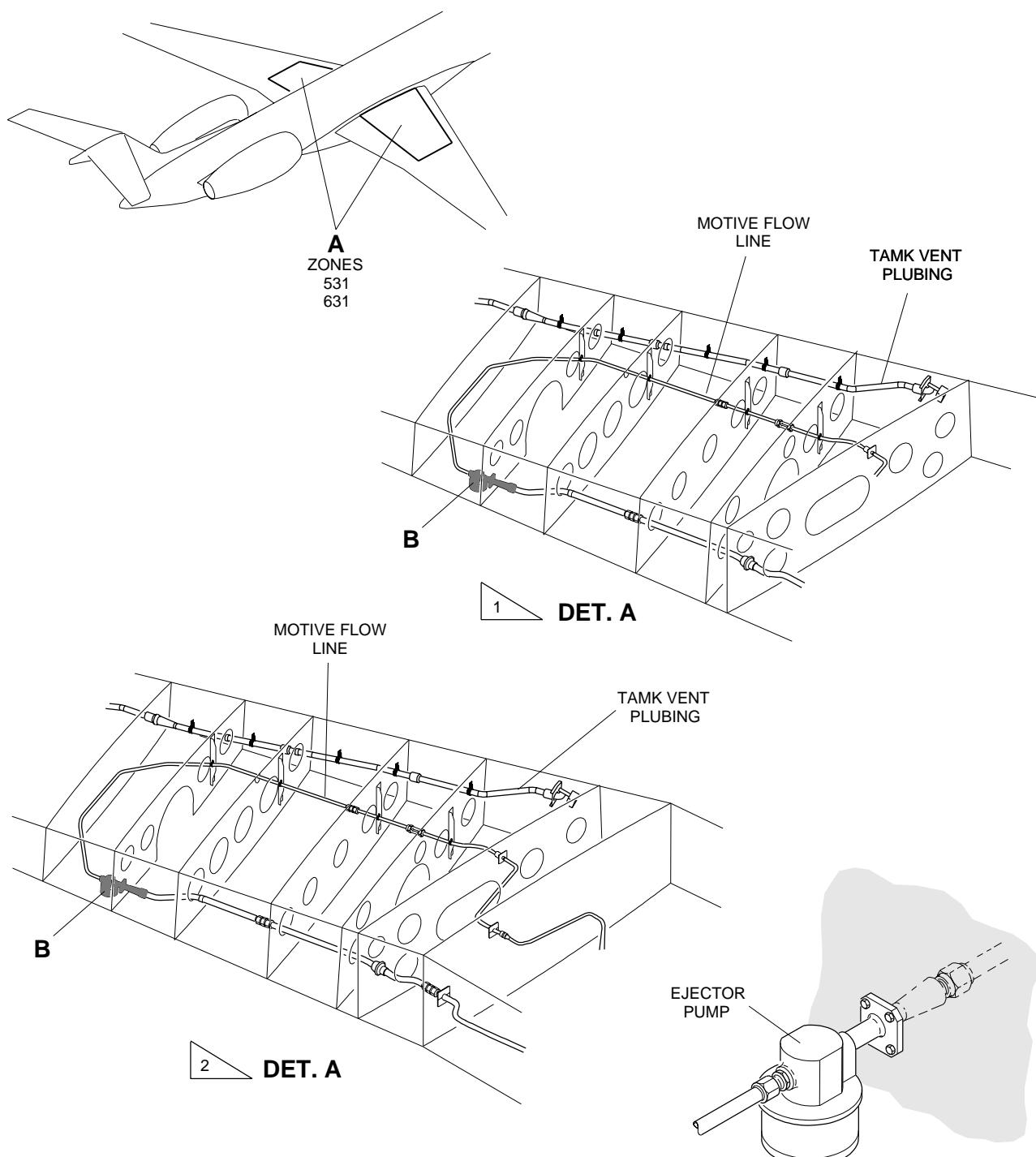
DET. A

145AMM050207.MCE A

EFFECTIVITY: ALL

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

Figure 602



1 APPLICABLE TO EMB145 MR, MP, ER, EP, EU AND EMB135 ER MODELS.

2 APPLICABLE TO EMB145 LR, LU AND EMB135 LR MODELS.



145AMM050221.MCE A