



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**INBOARD WING LEADING EDGE - INTERNAL - INSPECTION/CHECK**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the wing leading edge for general condition.
- B. Related Zones: 511/611, 512/612, and 513/613.
- C. Zone Boundaries:
  - STA Y = -960.00 (rib 1) thru STA Y = -3815.00 (rib 9).
  - STA Y = -3815.00 (rib 9) thru STA YA = -6937.00 (rib 17).
  - STA YA = -6937.00 (rib 17) thru STA YA = -9785.00 (rib 25).
- 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
05-20-77-200-801-A ♦	WING LEADING EDGE - INTERNAL GENERAL VISUAL INSPECTION	ALL



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TASK 05-20-77-200-801-A

EFFECTIVITY: ALL

2. WING LEADING EDGE - 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-Z511-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of wing, at zones 511/611, 512/612, and 513/613, within a touching distance of the items examined.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Apart from any specific targets defined in the Zonal Inspection task, a General Visual Inspection (GVI) must be conducted of the entire zone specified and includes all installations, components and structures. Refer to AMM Introduction for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
AMM TASK 57-41-00-000-801-A/400	LEADING EDGE I - REMOVAL
AMM TASK 57-41-00-400-801-A/400	LEADING EDGE I - INSTALLATION
AMM TASK 57-42-00-000-801-A/400	LEADING EDGE II - REMOVAL
AMM TASK 57-42-00-400-801-A/400	LEADING EDGE II - INSTALLATION
AMM TASK 57-43-00-000-801-A/400	LEADING EDGE III - REMOVAL
AMM TASK 57-43-00-400-801-A/400	LEADING EDGE III - INSTALLATION
WM 20-22-00	-

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



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Inboard wing leading edge

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the WING circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Put the stand in position.
- (3) Remove the inboard wing leading edge ([AMM TASK 57-41-00-000-801-A/400](#)).
- (4) Remove the center wing leading edge ([AMM TASK 57-42-00-000-801-A/400](#)).
- (5) Remove the outboard wing leading edge ([AMM TASK 57-43-00-000-801-A/400](#)).

J. Internal General Visual Inspection ([Figure 601](#)) ([Figure 602](#)) ([Figure 603](#))

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 601](#)) ([Figure 602](#)) ([Figure 603](#)).
- (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 EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

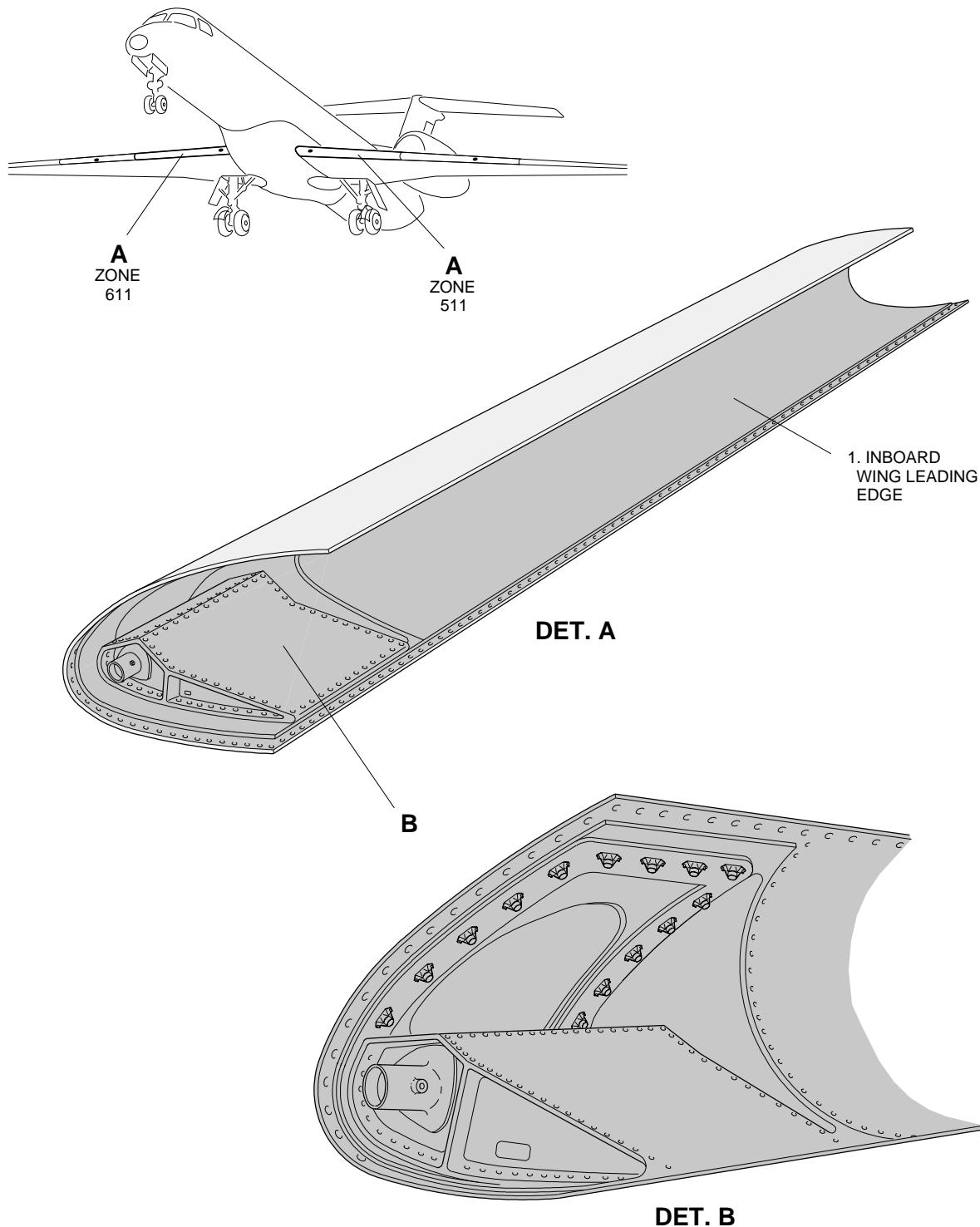
SUBTASK 842-002-A

- (1) Install the inboard wing leading edge ([AMM TASK 57-41-00-400-801-A/400](#)).
- (2) Install the center wing leading edge ([AMM TASK 57-42-00-400-801-A/400](#)).
- (3) Install the outboard wing leading edge ([AMM TASK 57-43-00-400-801-A/400](#)).
- (4) On the circuit breaker panel, close the WING circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (5) Remove the stand.

**EFFECTIVITY: ALL**

Inboard Wing Leading Edge - Internal General Visual Inspection

Figure 601

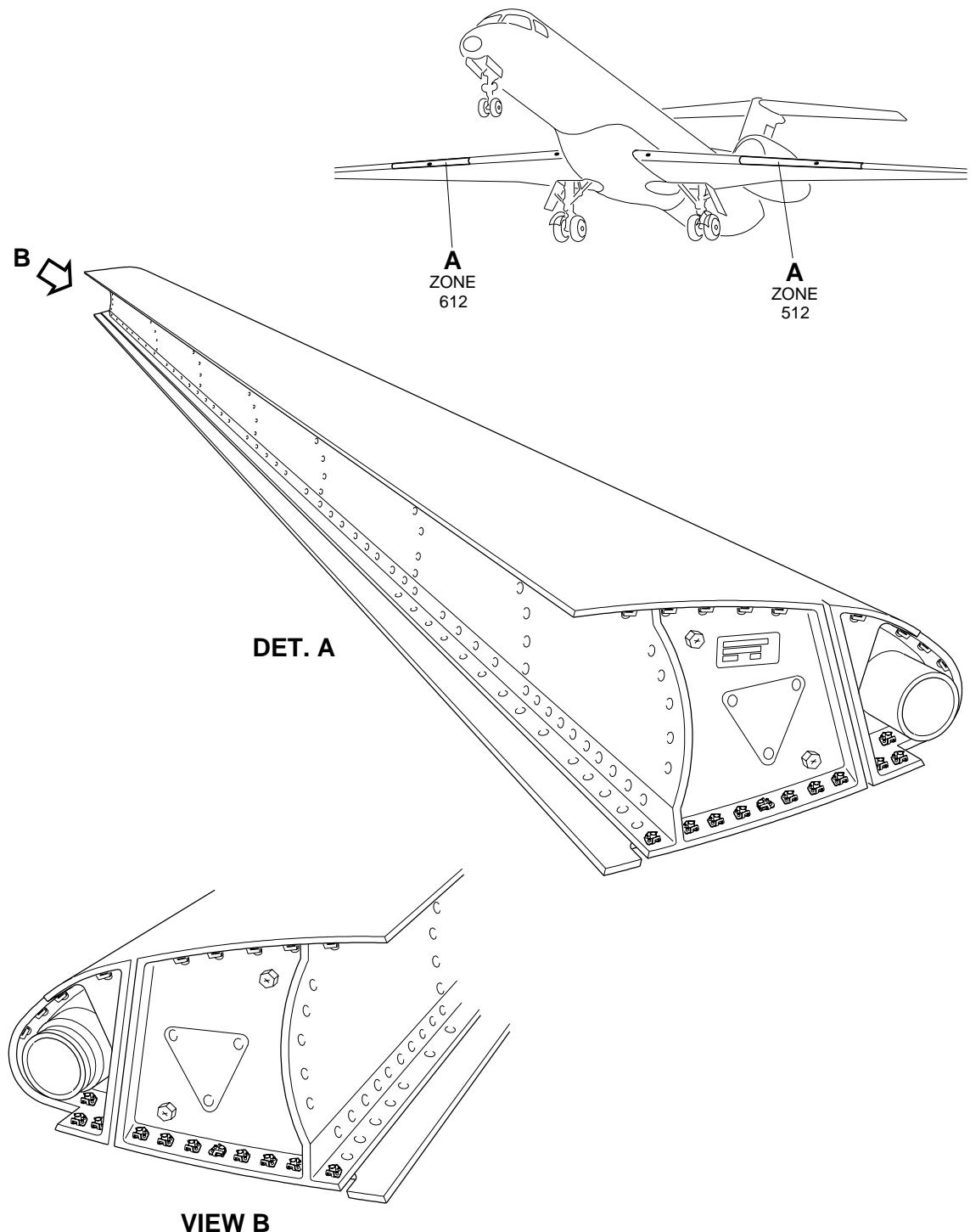


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**EFFECTIVITY: ALL**

Center Wing Leading Edge - Internal General Visual Inspection

Figure 602

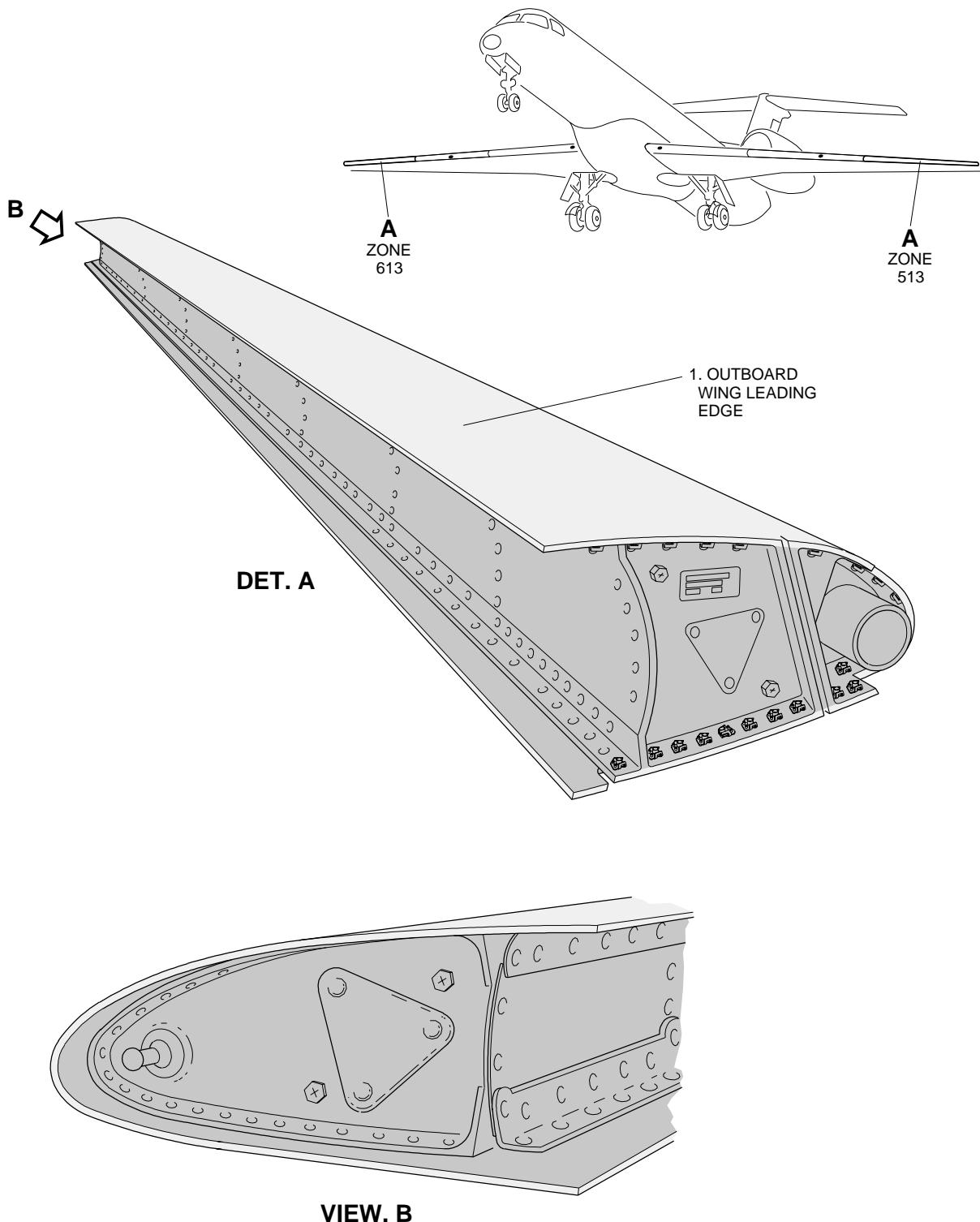


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**EFFECTIVITY: ALL**

Outboard Wing Leading Edge - Internal General Visual Inspection

Figure 603



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