



AIRCRAFT
MAINTENANCE MANUAL

OUTBOARD FLAP - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the outboard flap for general condition.
- B. Related Zones: 572/672/5721/5722/6721/6722.
- C. Zone Boundaries: STA YA = - 4374.44 (rib 11) thru STA YA = - 7792.08 (rib 19).
- 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
05-20-93-200-801-A ♦	OUTBOARD FLAP - INTERNAL GENERAL ALL VISUAL INSPECTION	



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TASK 05-20-93-200-801-A

EFFECTIVITY: ALL

2. OUTBOARD FLAP - 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-Z572-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of wing, in zones 572/672/5721/5722/6721/6722, 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 AMM Introduction for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 27-51-00-700-801-A/500	FLAP CONTROL SYSTEM - OPERATIONAL CHECK
AMM TASK 57-56-01-000-801-A/400	INBOARD AND OUTBOARD FLAP LOWER SHROUDS - REMOVAL
AMM TASK 57-56-01-400-801-A/400	INBOARD AND OUTBOARD FLAP LOWER SHROUDS - INSTALLATION
AMM TASK 57-56-02-000-801-A/400	OUTBOARD FLAP UPPER SHROUD - REMOVAL
AMM TASK 57-56-02-400-801-A/400	OUTBOARD FLAP UPPER SHROUD - INSTALLATION
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
5721		Outboard flap lower shroud
6721		Outboard flap lower shroud

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	Outboard flap

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

SUBTASK 841-003-A

WARNING: MAKE SURE THAT THERE ARE NO PERSONS OR EQUIPMENT IN THE FLAP TRAVEL AREA.

- (1) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Set the flaps to the 45-degree position.
- (3) On the circuit breaker panel, open the FLAP 1 and FLAP 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (4) Remove the outboard flap lower shroud 5721 and 6721 ([AMM TASK 57-56-01-000-801-A/400](#)) ([Figure 601](#)).
- (5) Remove the outboard flap upper shroud 5722 and 6722 ([AMM TASK 57-56-02-000-801-A/400](#)).
- (6) Put the stand in position.

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

SUBTASK 212-003-A

- (1) Examine the interior of the outboard flap for loose rivets, skin deformation, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, sealant poor condition, deteriorated protective treatment, and foreign objects ([Figure 602](#)).
- (2) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

SUBTASK 842-003-A

- (1) Install the outboard flap lower shroud 5721 and 6721 ([AMM TASK 57-56-01-400-801-A/400](#)).
- (2) Install the outboard flap upper shroud 5722 and 6722 ([AMM TASK 57-56-02-400-801-A/400](#)).
- (3) Remove the stand.

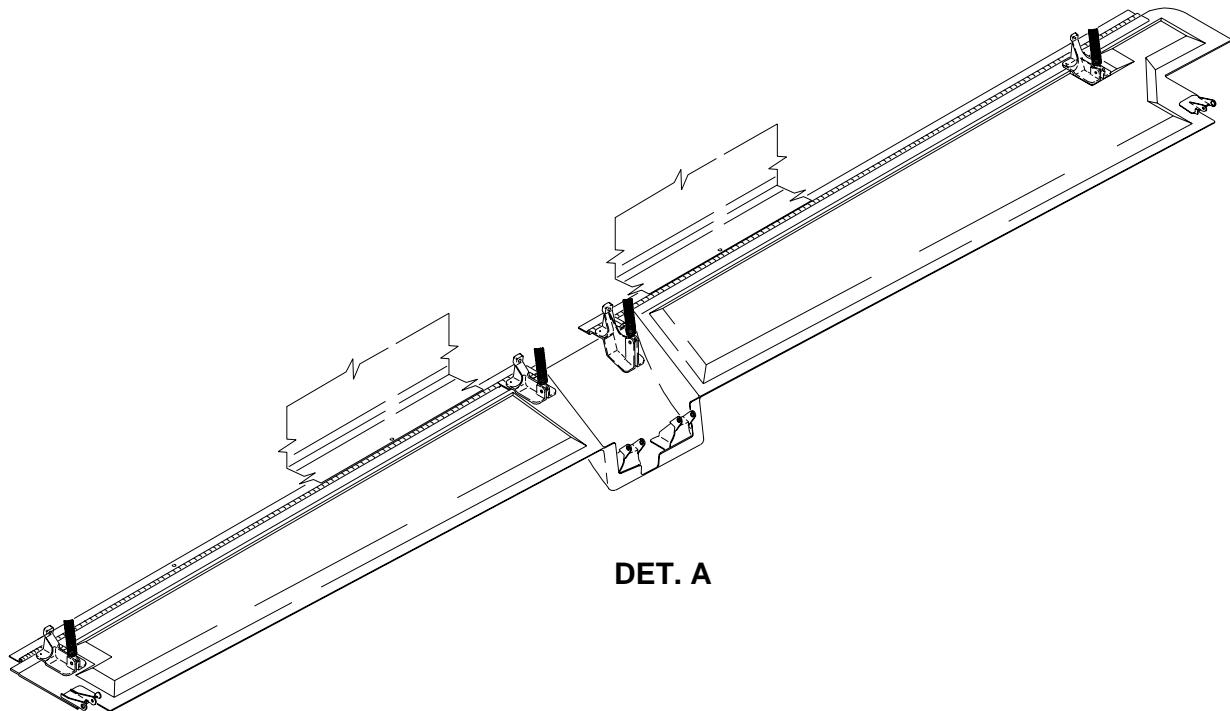
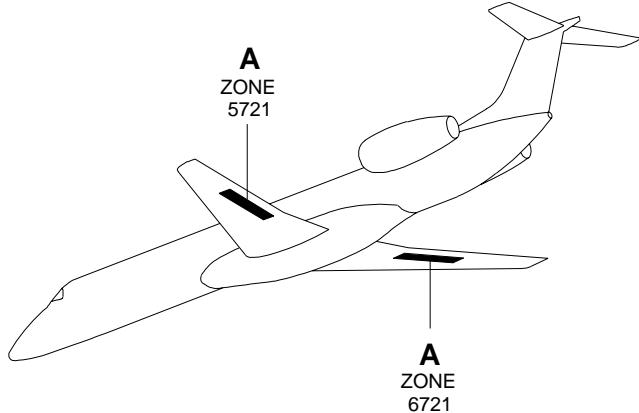


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- (4) On the circuit breaker panel, close the FLAP 1 and FLAP 2 circuit breakers and remove the DO-NOT-CLOSE tag from it.
- (5) Do an operational check of the flap control system ([AMM TASK 27-51-00-700-801-A/500](#)).
- (6) Remove the External DC Power Supply from the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ALL
Outboard Flap Lower Shroud
Figure 601



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EMB-145 - AMM 1285

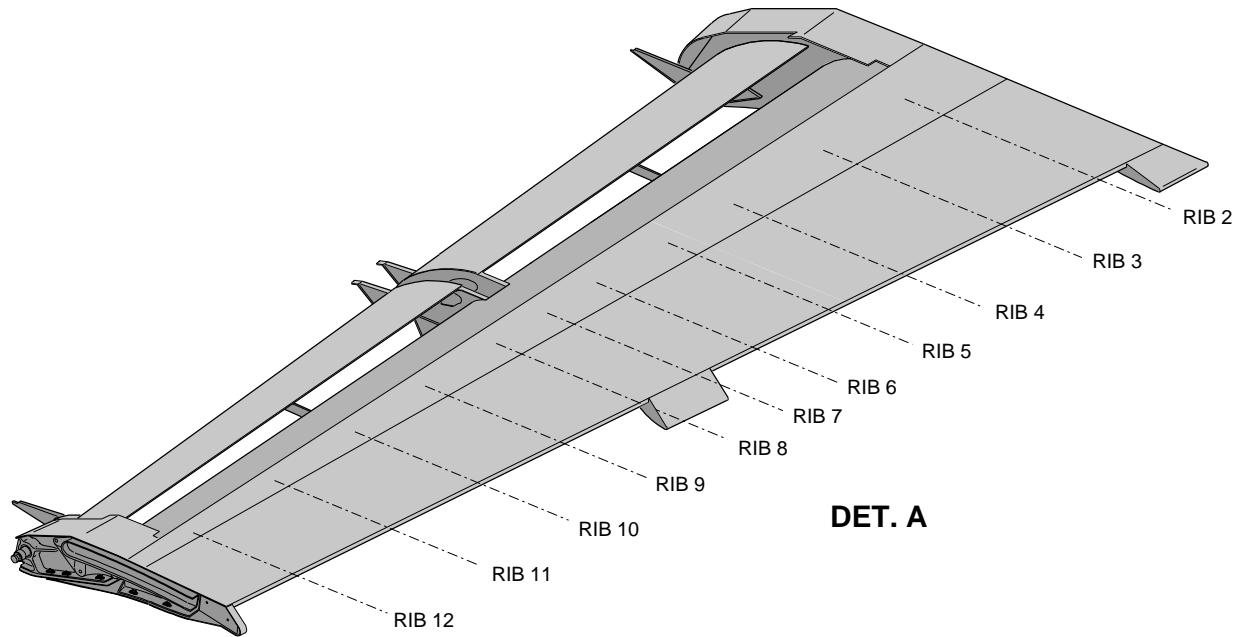
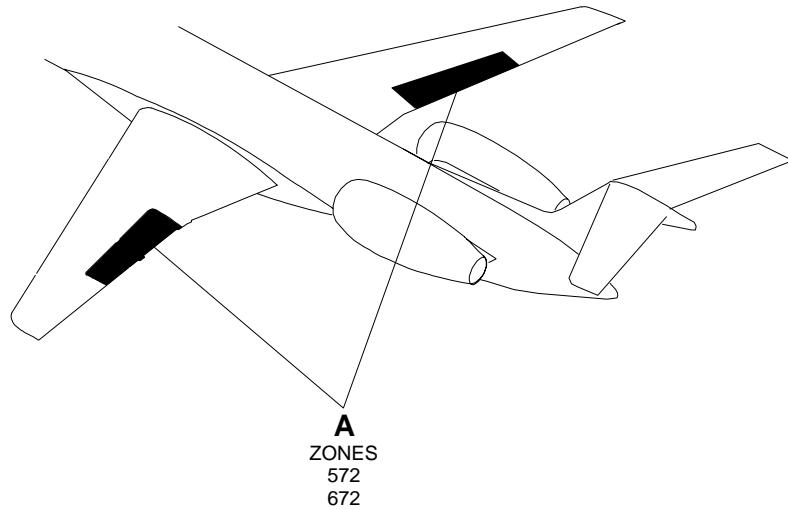
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EFFECTIVITY: ALL

Outboard Flap - Internal General Visual Inspection

Figure 602



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