



AIRCRAFT
MAINTENANCE MANUAL

OUTBOARD FLAP - EXTERNAL - 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
05-20-92-200-801-A ♦	OUTBOARD FLAP - EXTERNAL GENERAL ALL VISUAL INSPECTION	



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 05-20-92-200-801-A

EFFECTIVITY: ALL

2. OUTBOARD FLAP - EXTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do SMRD Zonal Task 57-Z572-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of wing, at zones 572/672/5721/5722/6721/6722, 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 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

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	Outboard flap

I. Preparation

SUBTASK 841-002-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) Put the stand in position.

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

SUBTASK 212-002-A

- (1) Examine the zone for loose rivets, skin deformation, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, and deteriorated protective treatment.
- (2) Examine the outboard flap at main box upper skin, pin and actuator lugs, and center ribs attachments for loose rivets, skin deformation, flaking paint, sealant poor condition, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, and deteriorated protective treatment ([Figure 601](#)).
- (3) Examine the outboard flap lower and upper shroud for integrity.

K. Follow-on

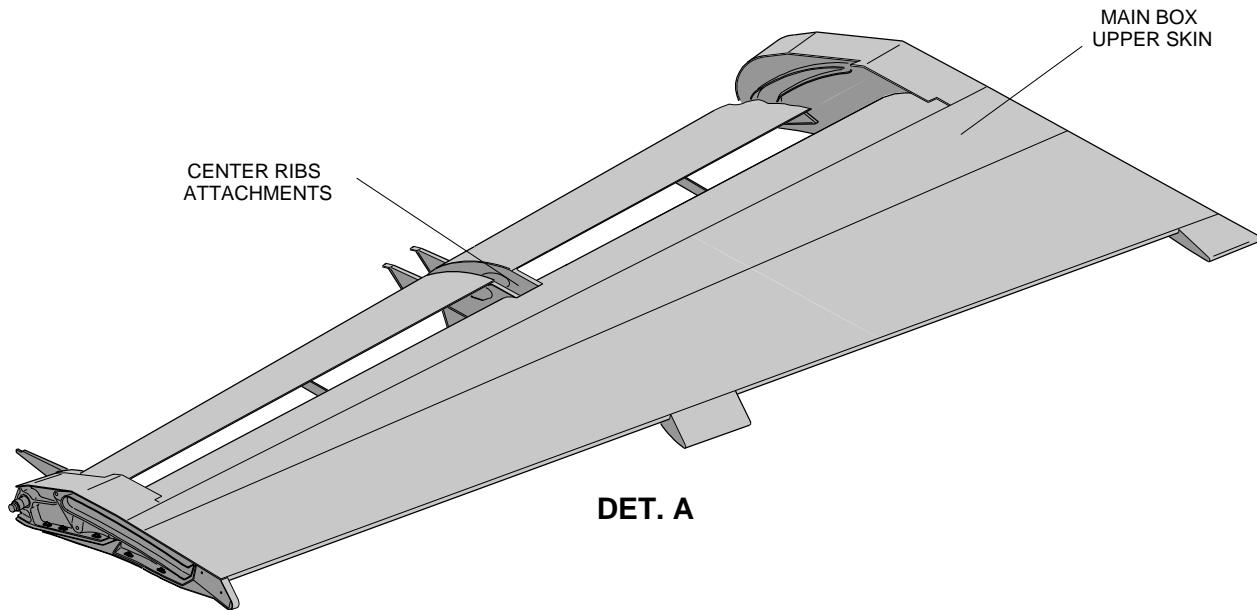
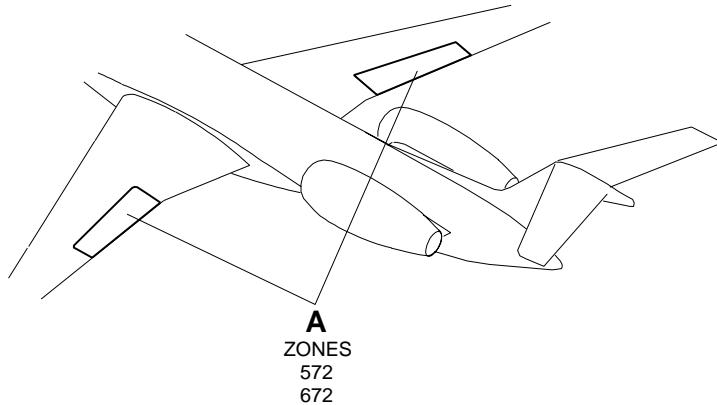
SUBTASK 842-002-A

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

EFFECTIVITY: ALL

Outboard Flap - External General Visual Inspection

Figure 601



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