



AIRCRAFT
MAINTENANCE MANUAL

AILERON - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the aileron for general condition.
- B. Related Zones: 573/673/5731/5732/6731/6732.
- C. Zone Boundaries: STA YA = -7792.08 (rib 19) 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
05-20-95-200-801-A ♦	AILERON - INTERNAL GENERAL VISUAL INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 05-20-95-200-801-A

EFFECTIVITY: ALL

2. AILERON - 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-Z573-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of wing, in zones 573/673/5731/5732/6731/6732, 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 MPP 06-44-00/100	- COMPONENT LOCATION
AMM TASK 57-56-03-000-801-A/400	AILERON UPPER SHROUD - REMOVAL
AMM TASK 57-56-03-400-801-A/400	AILERON UPPER SHROUD - INSTALLATION
AMM TASK 57-56-04-000-801-A/400	AILERON LOWER SHROUD - REMOVAL
AMM TASK 57-56-04-400-801-A/400	AILERON LOWER SHROUD - INSTALLATION
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
5731		Aileron lower shroud
6731		Aileron lower shroud
5732		Aileron upper shroud
6732		Aileron upper shroud
551	551CB	Wing tip
651	651CB	Wing tip

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	Aileron

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

SUBTASK 841-003-A

- (1) Put the stand in position.
- (2) Remove the aileron upper shrouds 5732 and 6732 ([AMM TASK 57-56-03-000-801-A/400](#)) and aileron lower shrouds 5731 and 6731 ([AMM TASK 57-56-04-000-801-A/400](#)) ([Figure 601](#)).
- (3) Remove access doors 551CB and 651CB ([AMM MPP 06-44-00/100](#)).

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

SUBTASK 212-002-A

- (1) Examine the interior of the aileron for loose rivets, skin deformation, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, sealant poor condition, deteriorated protective treatment, and foreign objects.
- (2) Examine the interior of the aileron at neutral recovery unit and link between power control unit/aileron for deformation, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, sealant poor condition, and deteriorated protective treatment ([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

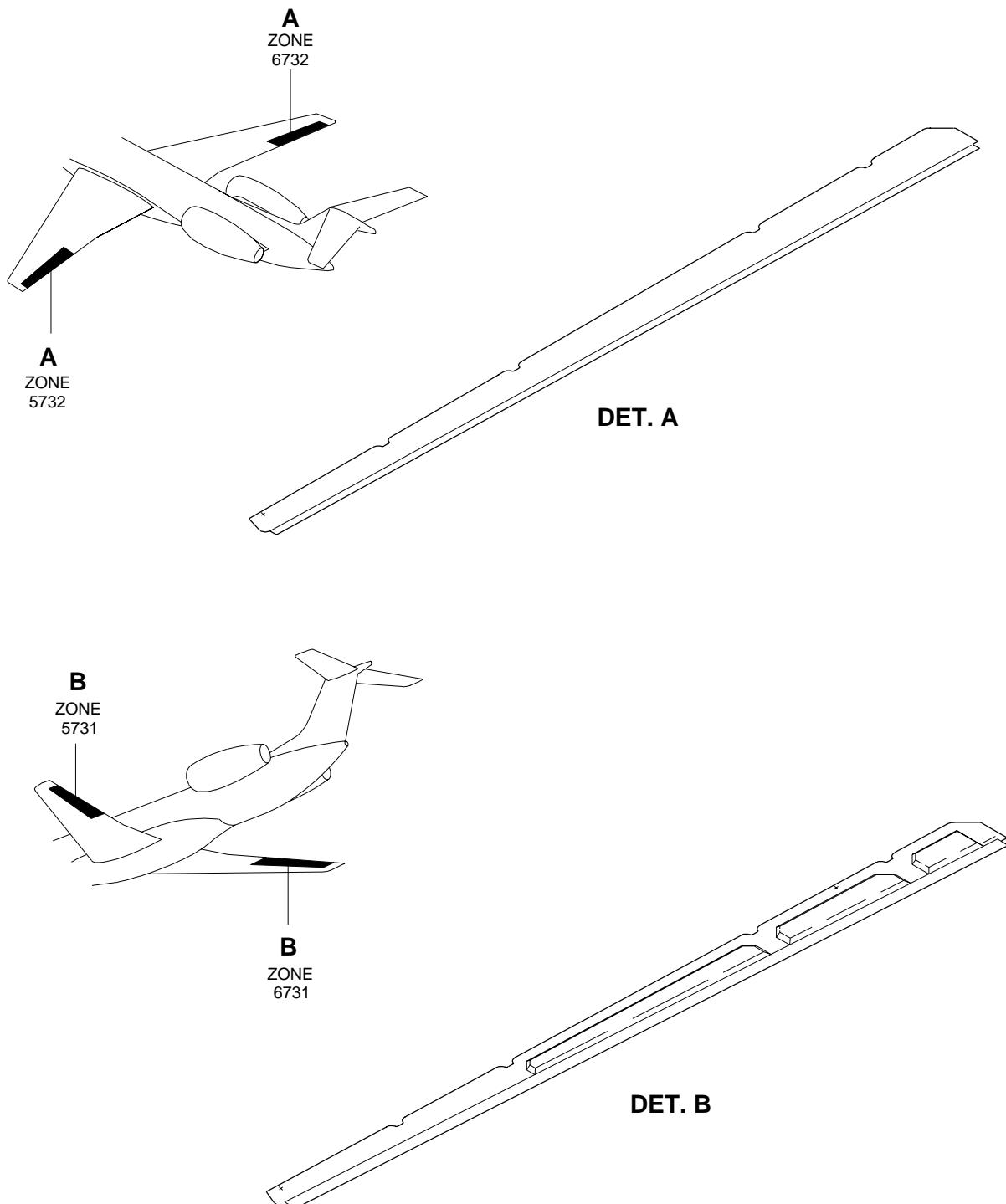
SUBTASK 842-003-A

- (1) Install the aileron upper shrouds 5732 and 6732 ([AMM TASK 57-56-03-400-801-A/400](#)) and aileron lower shrouds 5731 and 6731 ([AMM TASK 57-56-04-400-801-A/400](#)).
- (2) Install access doors 551CB and 651CB ([AMM MPP 06-44-00/100](#)).
- (3) Remove the stand.

EFFECTIVITY: ALL

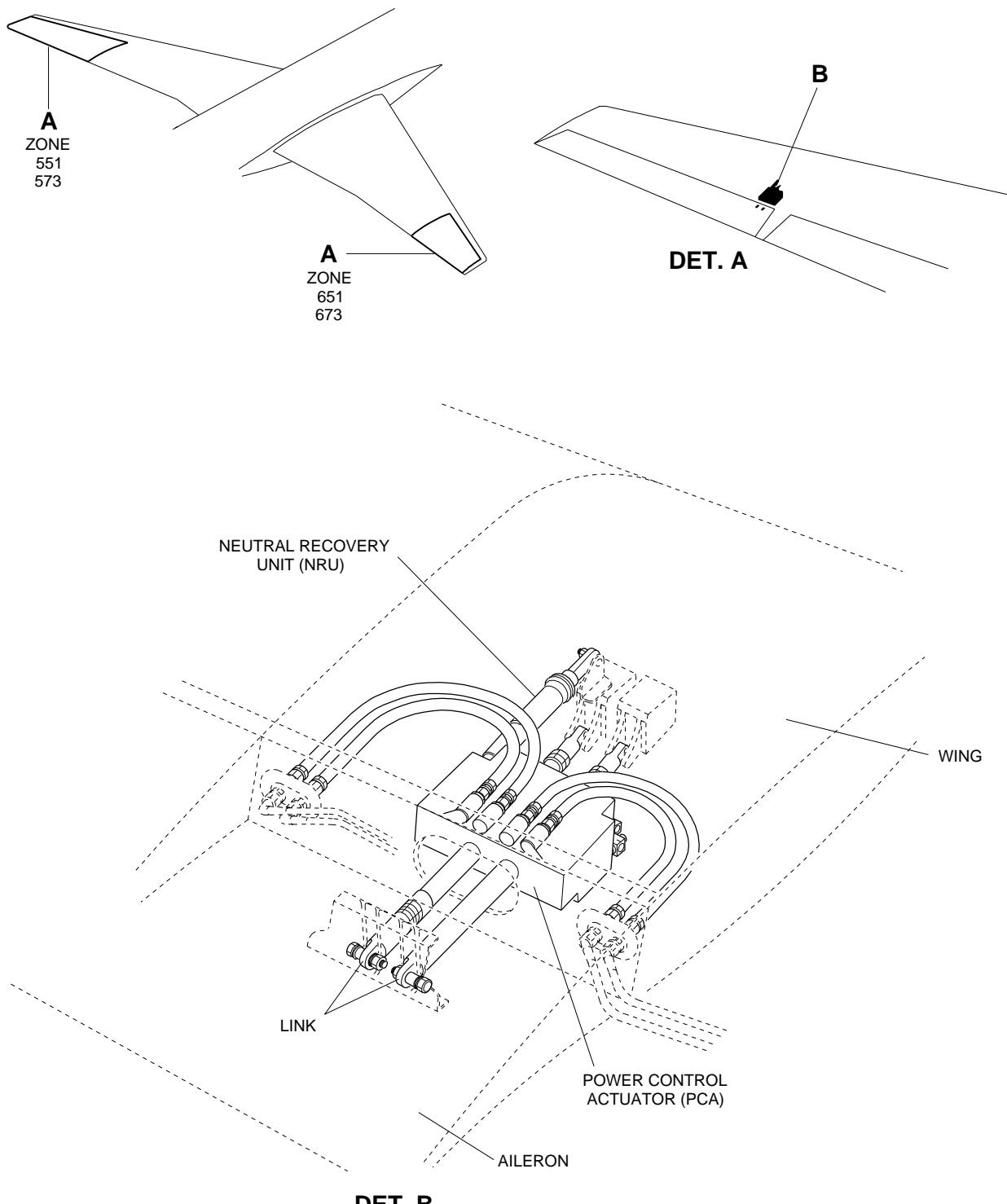
Aileron Lower and Upper Shroud

Figure 601



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EFFECTIVITY: ALL

Aileron - Internal General Visual Inspection
Figure 602


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