AILERON - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

   A. This section gives the procedures to measure the maximum values of deflections of the ailerons.

   B. 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*
27-10-00-700-801-A	AILERON ADJUSTMENT AND CHECK	ALL

TASK 27-10-00-700-801-A
EFFECTIVITY: ALL

2. AILERON ADJUSTMENT AND CHECK

A. General

(1) This task gives the procedures to measure the maximum values of deflections of the ailerons. Figure 501 shows the deflections of the ailerons.

B. References

REFERENCE	*DESIGNATION*
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
GSE 070	Digital Protractor	To measure the deflections of the ailerons	

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	Cockpit
1	Does the task	Ailerons

I. Preparation (Figure 501)

SUBTASK 841-002-A

(1) Make sure that the aircraft is safe for maintenance.

(2) Do not do other tasks on the aileron system.

(3) Pressurize the hydraulic system (AMM TASK 29-10-00-860-801-A/200).

J. Aileron Adjustment and Check (Figure 501)

SUBTASK 720-002-A

(1) Adjust the digital protractor to zero position.

(a) Install the Rig Pin in the right wing sector DET. B..

(b) With the aileron system pressurized (system 1 or 2), the aileron will be in the neutral position.

(c) Adjust the digital protractor to zero position and remove the rig pin.

NOTE: The neutral position of the aileron is identified by the alignment of the aileron and wing trailing edge.

(2) Do a check of the right aileron for deflection.

Table 501 - RIGHT AILERON DEFLECTIONS

AILERON	
UP	**DOWN**
25 ± 1°	15 ± 1°

(a) Set the aileron to the UP position.
Result:
1 The deflection must be 25 ± 1°.

(b) Set the aileron to the DOWN position.
Result:
1 The deflection must be 15 ± 1°.

(3) Adjust the digital protractor to zero position.

(a) Install the Rig Pin in the left wing sector DET. B.

(b) With the aileron system pressurized (system 1 or 2), the aileron will be in the neutral position.

(c) Adjust the digital protractor to zero position and remove the rig pin.

NOTE: The neutral position of the aileron is identified by the alignment of the aileron and wing trailing edge.

(4) Do a check of the left aileron deflection.

Table 502 - LEFT AILERON DEFLECTIONS

AILERON	
UP	**DOWN**
25 ± 1°	15 ± 1°

(a) Set the aileron to the UP position.
Result:
1 The deflection must be 25 ± 1°.

(b) Set the aileron to the DOWN position.
Result:
1 The deflection must be 15 ± 1°.

K. Follow-on

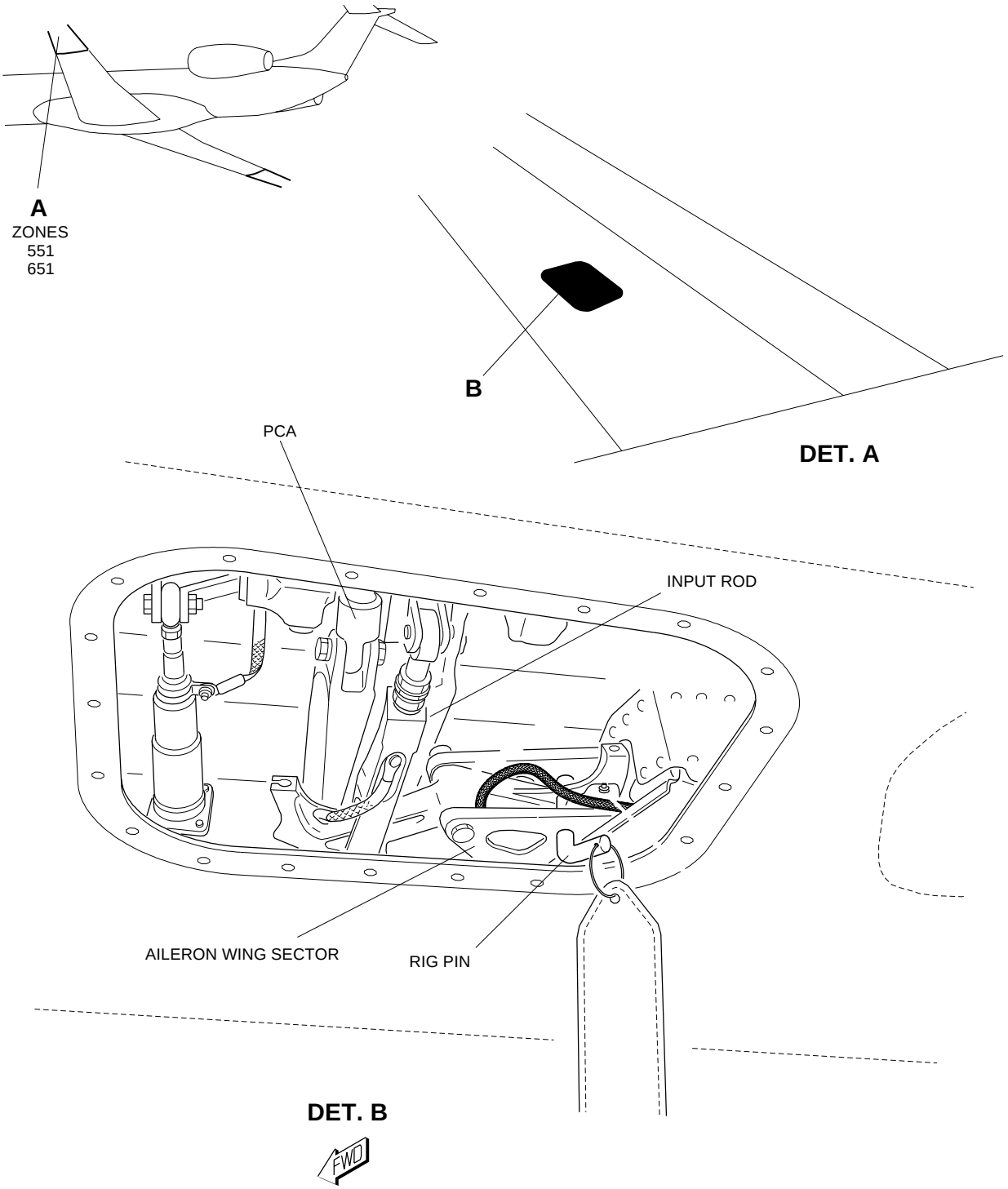
SUBTASK 842-002-A

(1) Set the ailerons to the neutral position.

(2) Release the pressure of the hydraulic system (AMM TASK 29-10-00-860-801-A/200).

EFFECTIVITY: ALL

Deflections of the Ailerons
Figure 501 - Sheet 1



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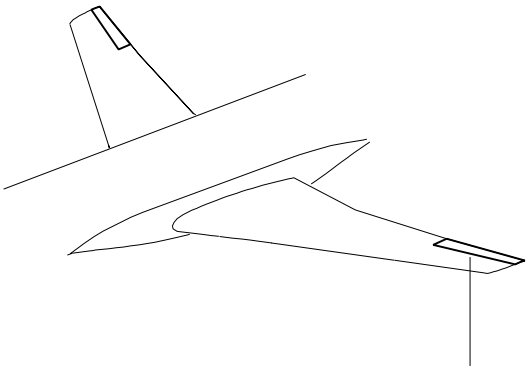
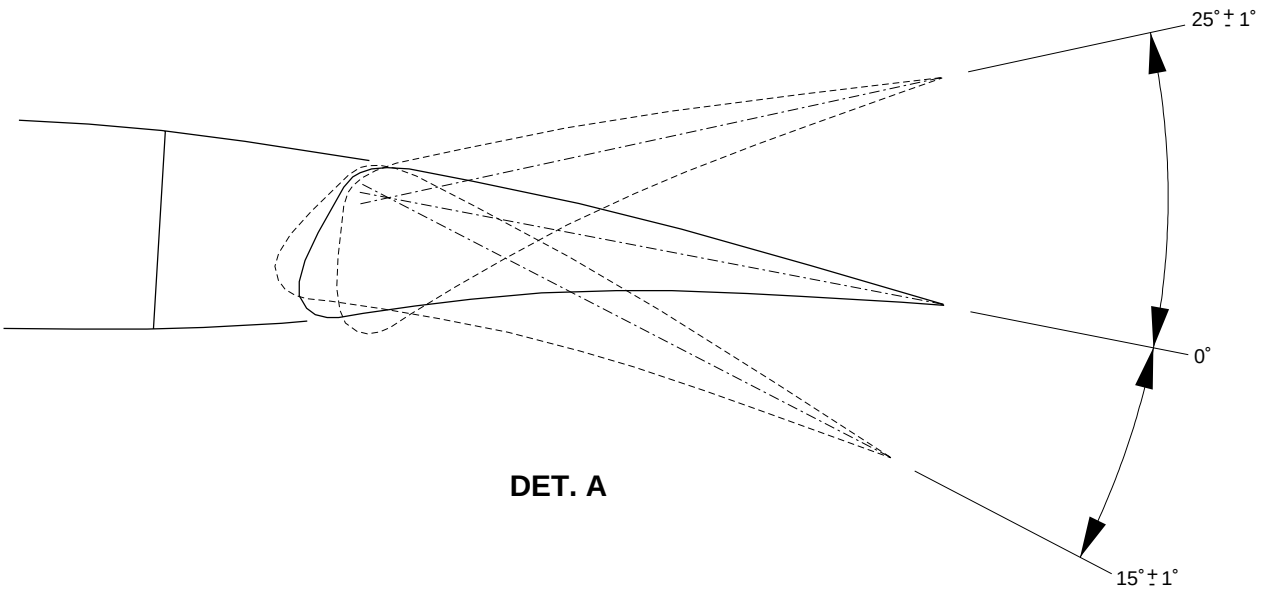
EFFECTIVITY: ALL

Deflections of the Ailerons
Figure 501 - Sheet 2



A
ZONE
573
673



DET. A

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