



AIRCRAFT MAINTENANCE MANUAL

RUDDER I AND II - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of rudder I and II for general condition.
- B. Related Zone: 326 and 327.
- C. (Applicable to EMB-145 (ALL) models) Zone Boundaries: STA X = 26544.39 thru STA X = 27083.12.
(Applicable to EMB-135 (ALL) models) Zone Boundaries: STA X = 23004.89 thru STA X = 23543.62.
- 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
05-20-49-200-801-A ♦	RUDDER I AND II - INTERNAL GENERAL VISUAL INSPECTION	ALL



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TASK 05-20-49-200-801-A

EFFECTIVITY: ALL

2. RUDDER I AND II - INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do SMRD Zonal Task 55-Z326-214-001-A00.
- (2) You must do the internal general visual inspection (GVI) of rudder I and II, at zone 326 and 327, within a touching distance of the items examined.
- (3) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 55-38-00-000-801-A/400	RUDDER I ACCESS PANELS - REMOVAL
AMM TASK 55-38-00-400-801-A/400	RUDDER I ACCESS PANELS - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
326	326AL	Rudder I
326	326BL	Rudder I
326	326CL	Rudder I
326	326DL	Rudder I
326	326EL	Rudder I
326	326FL	Rudder I
326	326GL	Rudder I
326	326HL	Rudder I
327	327AL	Rudder II
327	327BL	Rudder II
327	327CL	Rudder II
327	327DL	Rudder II
327	327ER	Rudder II
327	327FR	Rudder II
327	327GR	Rudder II
327	327HR	Rudder II

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Ladder	To get access to the inspection area	



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(Continued)

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Flashlight	To make the inspection of the area easier	

- 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	Rudder I

- I. Preparation ([Figure 601](#)) ([Figure 602](#))
SUBTASK 841-002-A

WARNING: MAKE SURE THAT THE RUDDER IS NOT OPERATED ACCIDENTALLY. AN ACCIDENTAL OPERATION OF THE RUDDER CAN CAUSE INJURY TO PERSONS.

- (1) Put the ladder in position.
- (2) Open access panels 326CL and 326FL (AMM MPP 06-42-00/100) ([Figure 601](#)).
- (3) Open access panels 326AL, 326BL, 326DL, 326EL, 326GL and 326HL ([AMM TASK 55-38-00-000-801-A/400](#)) ([Figure 601](#)).
- (4) Open access panels 327AL, 327BL, 327CL, 327DL, 327ER, 327FR, 327GR and 327HR (AMM MPP 06-42-00/100) ([Figure 602](#)).

- J. Internal General Visual Inspection ([Figure 603](#)) ([Figure 604](#))
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 603](#) and [Figure 604](#)).
- (2) Examine the interior of the zone for leakage on the skin, signs of friction, tension, broken strands, and signs of overheating.

- K. Follow-on
SUBTASK 842-002-A

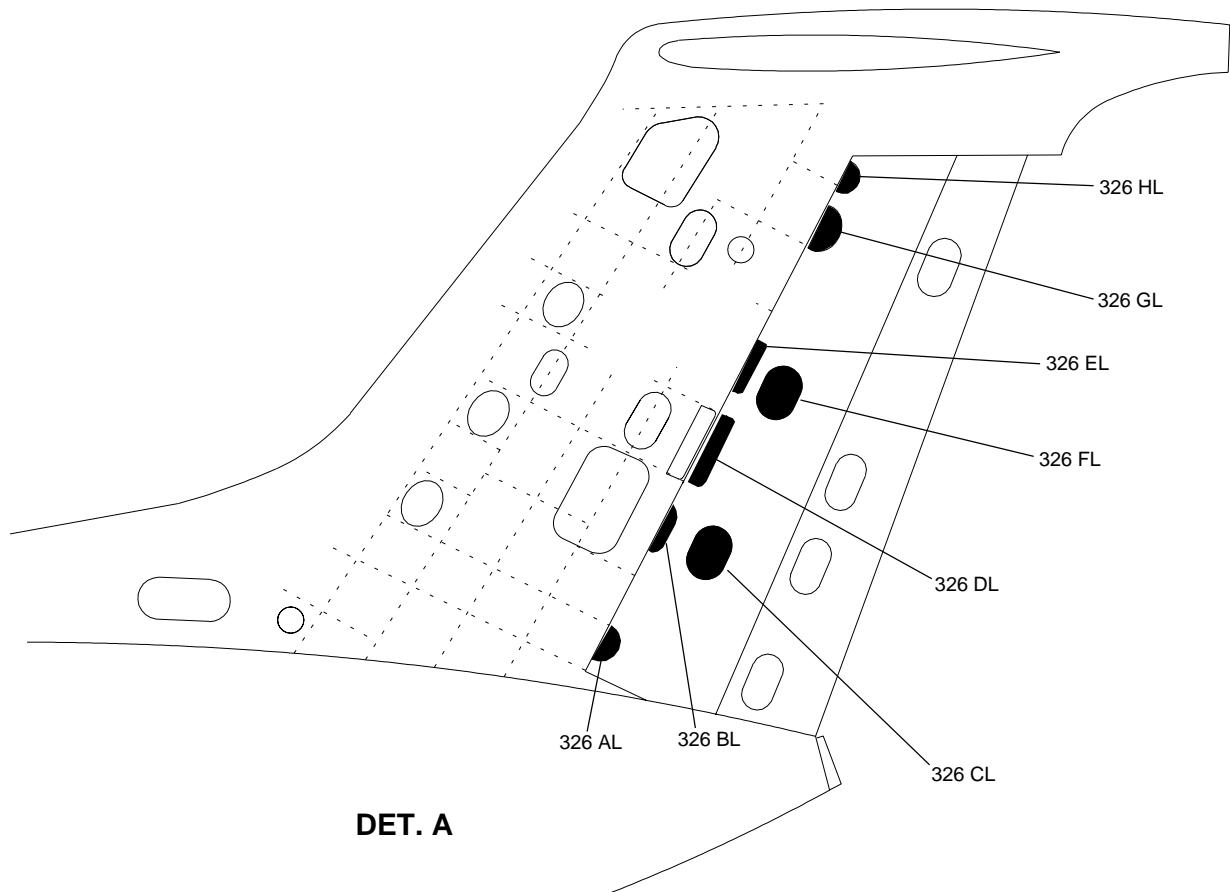
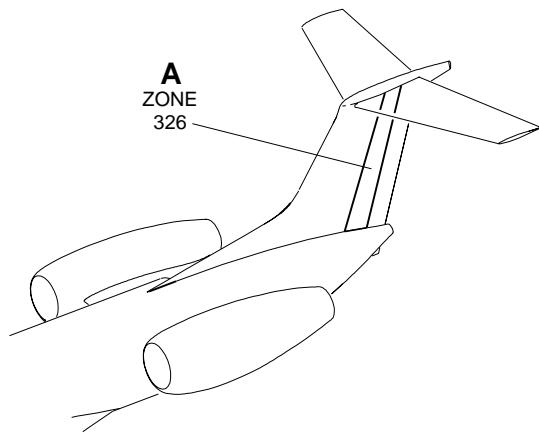
- (1) Close access panels 326AL, 326BL, 326DL, 326EL, 326GL and 326HL ([AMM TASK 55-38-00-400-801-A/400](#)).
- (2) Close access panels 326CL and 326FL (AMM MPP 06-42-00/100).



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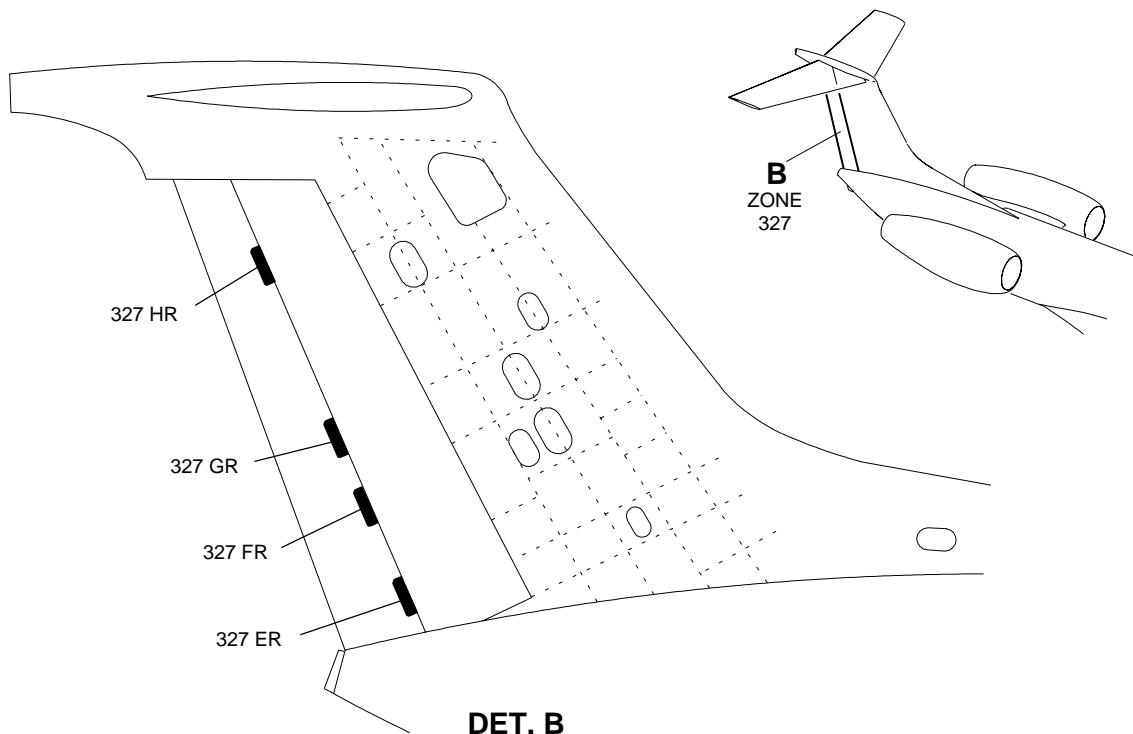
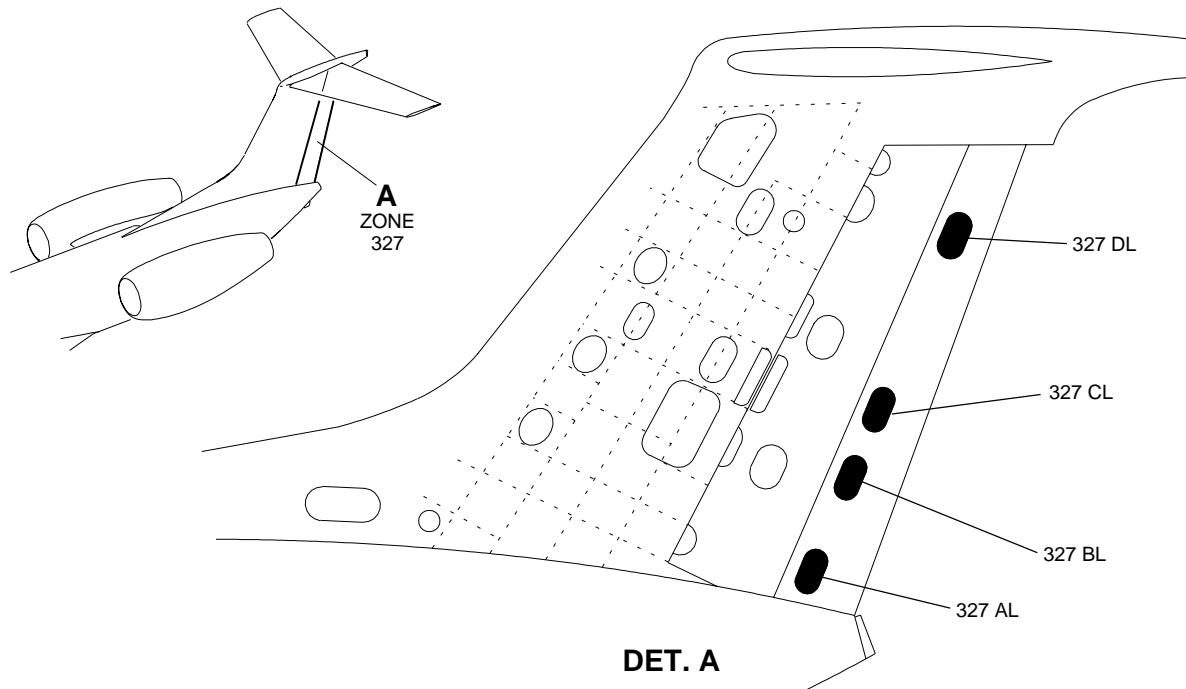
- (3) Close access panels 327AL, 327BL, 327CL, 327DL, 327ER, 327FR, 327GR and 327HR (AMM MPP 06-42-00/100).
- (4) Remove the ladder.

EFFECTIVITY: ALL
Rudder I - Access Panels
Figure 601



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EFFECTIVITY: ALL
Rudder II - Access Panels
Figure 602

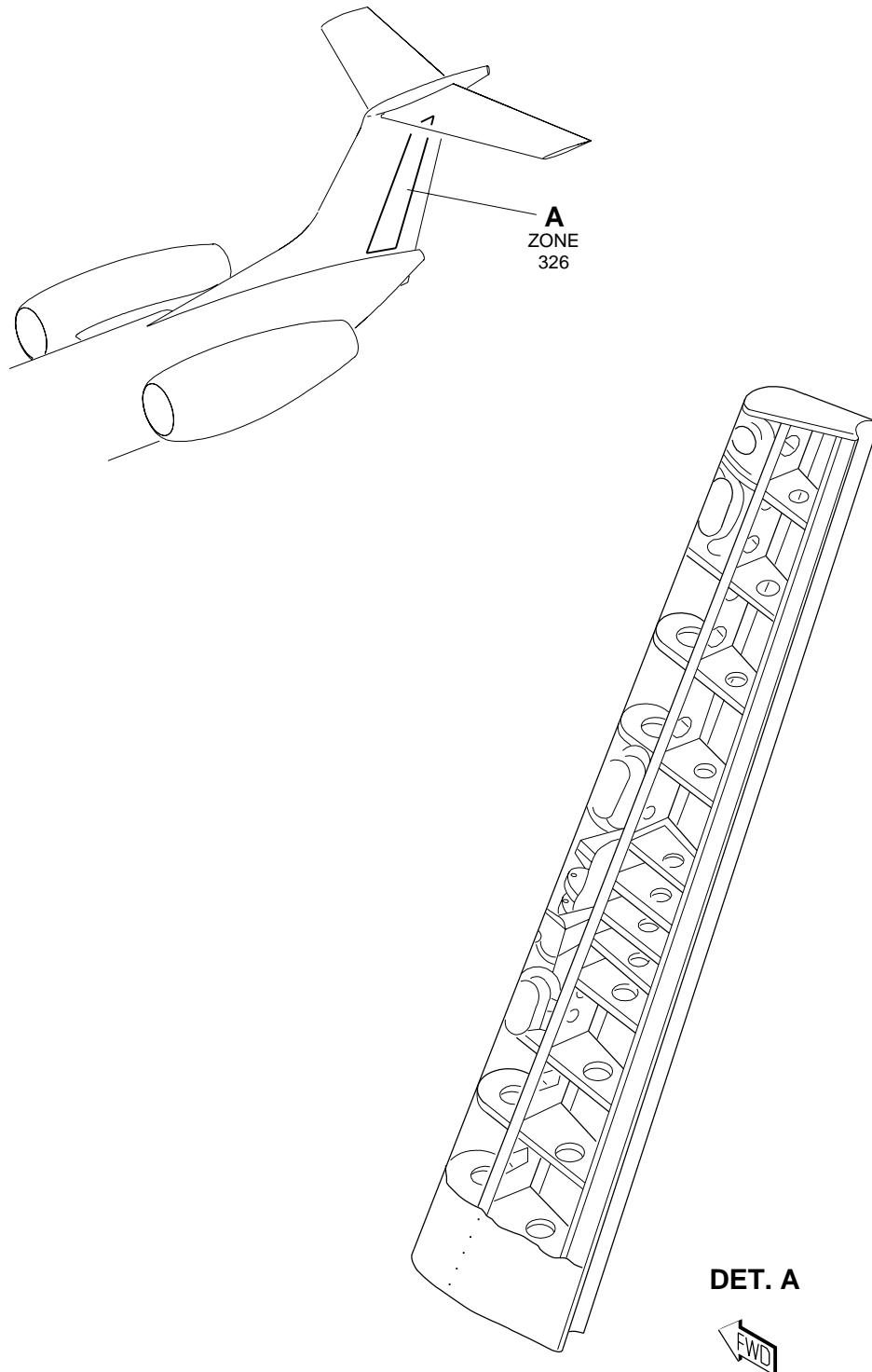


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EFFECTIVITY: ALL

Rudder I - Internal General Visual Inspection

Figure 603

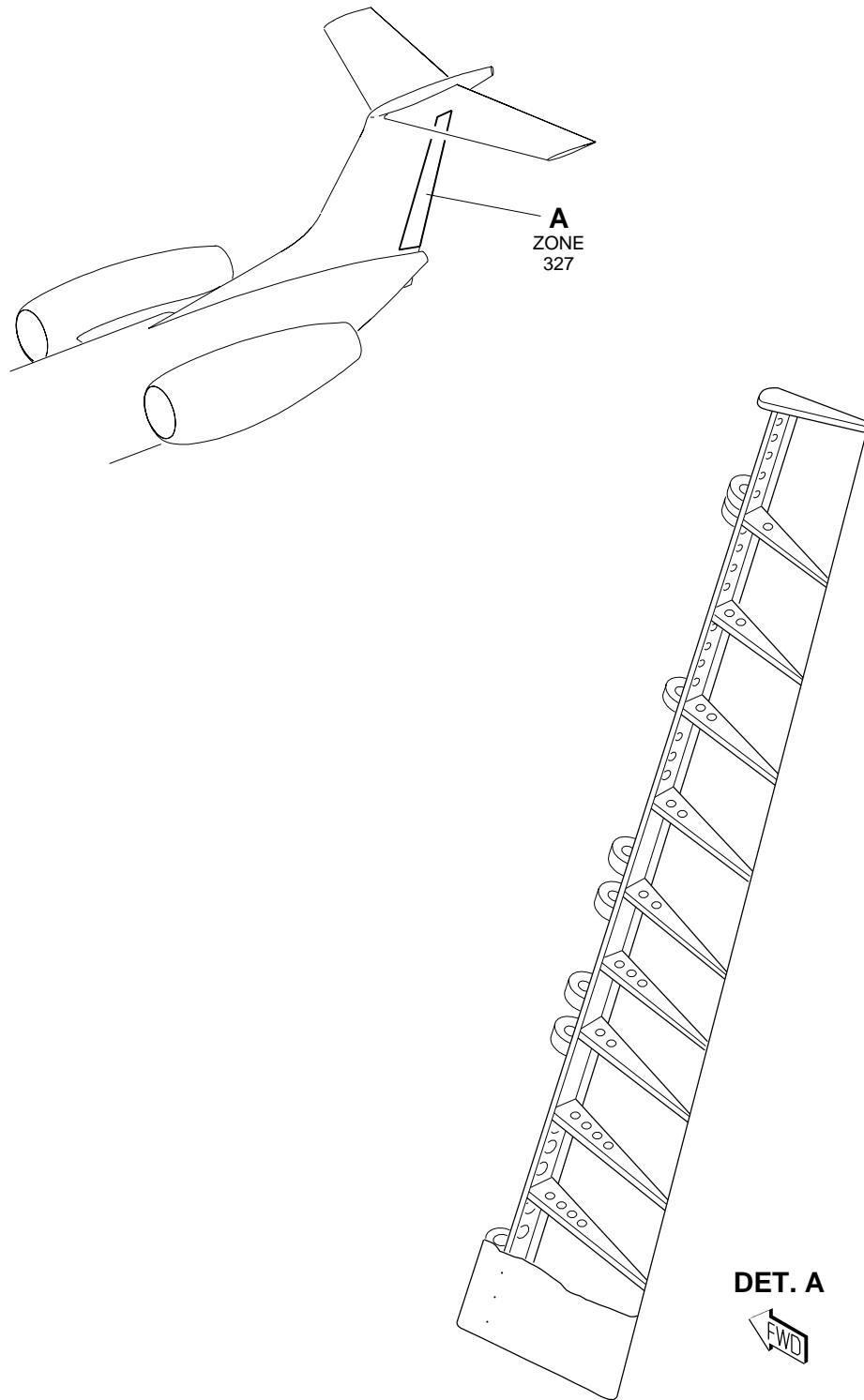


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EFFECTIVITY: ALL

Rudder II - Internal General Visual Inspection

Figure 604



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