

## RUDDER I AND RUDDER II - EXTERNAL - INSPECTION/CHECK

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to do the visual inspection of rudder I and rudder 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.  
STA X = 27083.12 thru STA X = 27621.84.  
(Applicable to EMB-135 (ALL) models) Zone Boundaries:  
STA X = 23004.89 thru STA X = 23543.62.  
STA X = 23543.62 thru STA X = 24062.34.
- 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 |
|----------------------|--|-------------|
| 05-20-48-200-801-A ♦ | RUDDER I AND RUDDER II - EXTERNAL<br>GENERAL VISUAL INSPECTION | ALL         |

TASK 05-20-48-200-801-A

EFFECTIVITY: ALL

## 2. RUDDER I AND RUDDER II - EXTERNAL GENERAL VISUAL INSPECTION

### A. General

- (1) This task gives instructions to do SMRD Zonal Task 55-Z326-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of rudder I, at zone 326, and rudder II, at zone 327, 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. Zones and Accesses

Not Applicable

### C. Tools and Equipment

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

### D. Auxiliary Items

Not Applicable

### E. Consumable Materials

Not Applicable

### F. Expandable Parts

Not Applicable

### G. Persons Recommended

| QTY | FUNCTION      | PLACE     |
|-----|---------------|-----------|
| 1   | Does the task | Rudder I  |
| 1   | Does the task | Rudder II |

### H. Preparation

*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.

### I. External General Visual Inspection ([Figure 601](#)) ([Figure 602](#))

*SUBTASK 212-002-A*

- (1) Examine the rudder I and rudder II zones for loose rivets, nicks, cracks, dents, skin deformation, sealant condition, erosion, corrosion, painting bad condition, and deteriorated protective treatment ([Figure 601](#) and [Figure 602](#)).

J. Follow-on

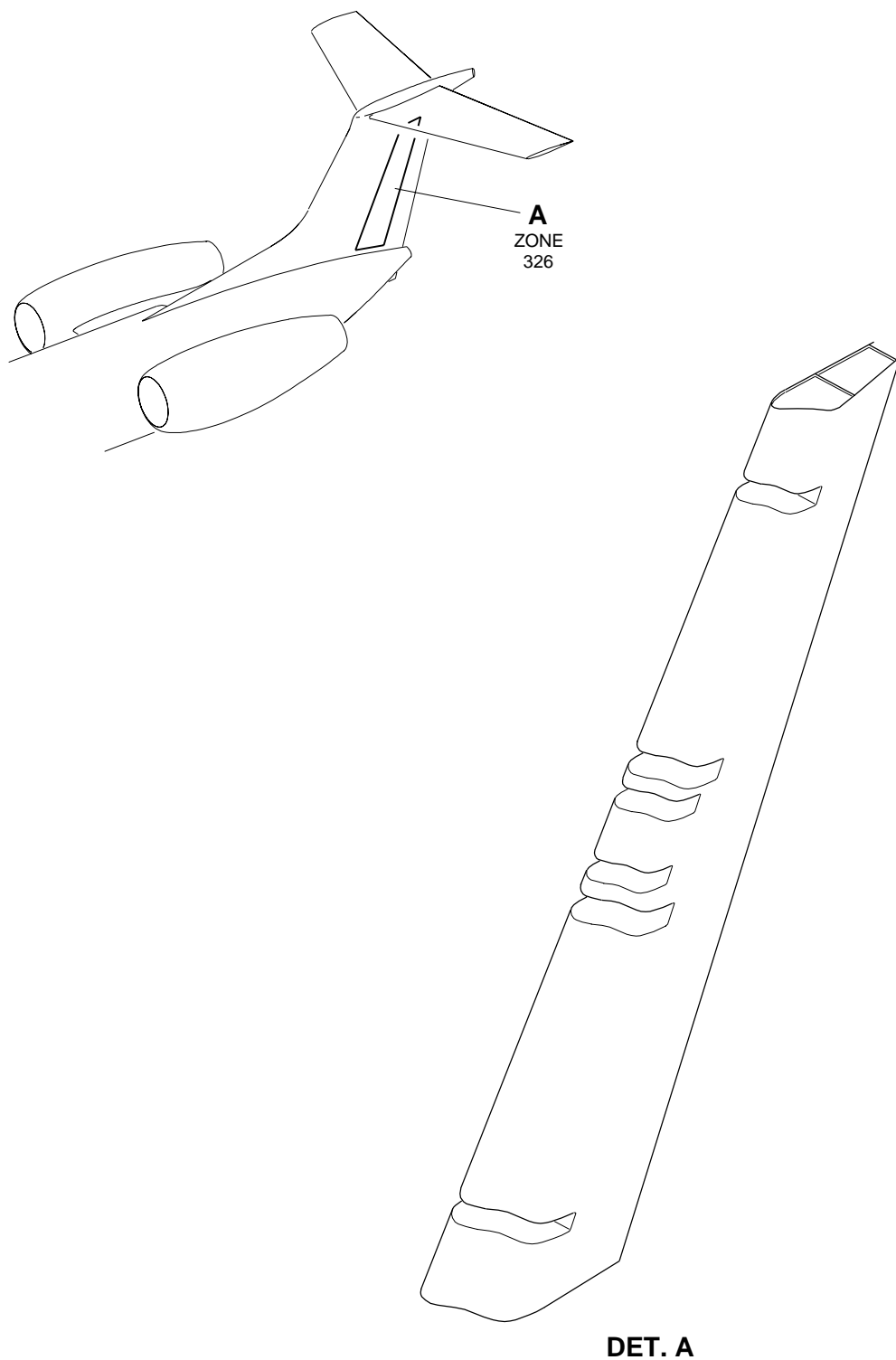
*SUBTASK 842-002-A*

- (1) Remove the ladder.

EFFECTIVITY: ALL

Rudder I - External General Visual Inspection

Figure 601



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EFFECTIVITY: ALL

Rudder II - External General Visual Inspection

Figure 602

