



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

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 GENERAL VISUAL INSPECTION	ALL



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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](#)).



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J. Follow-on

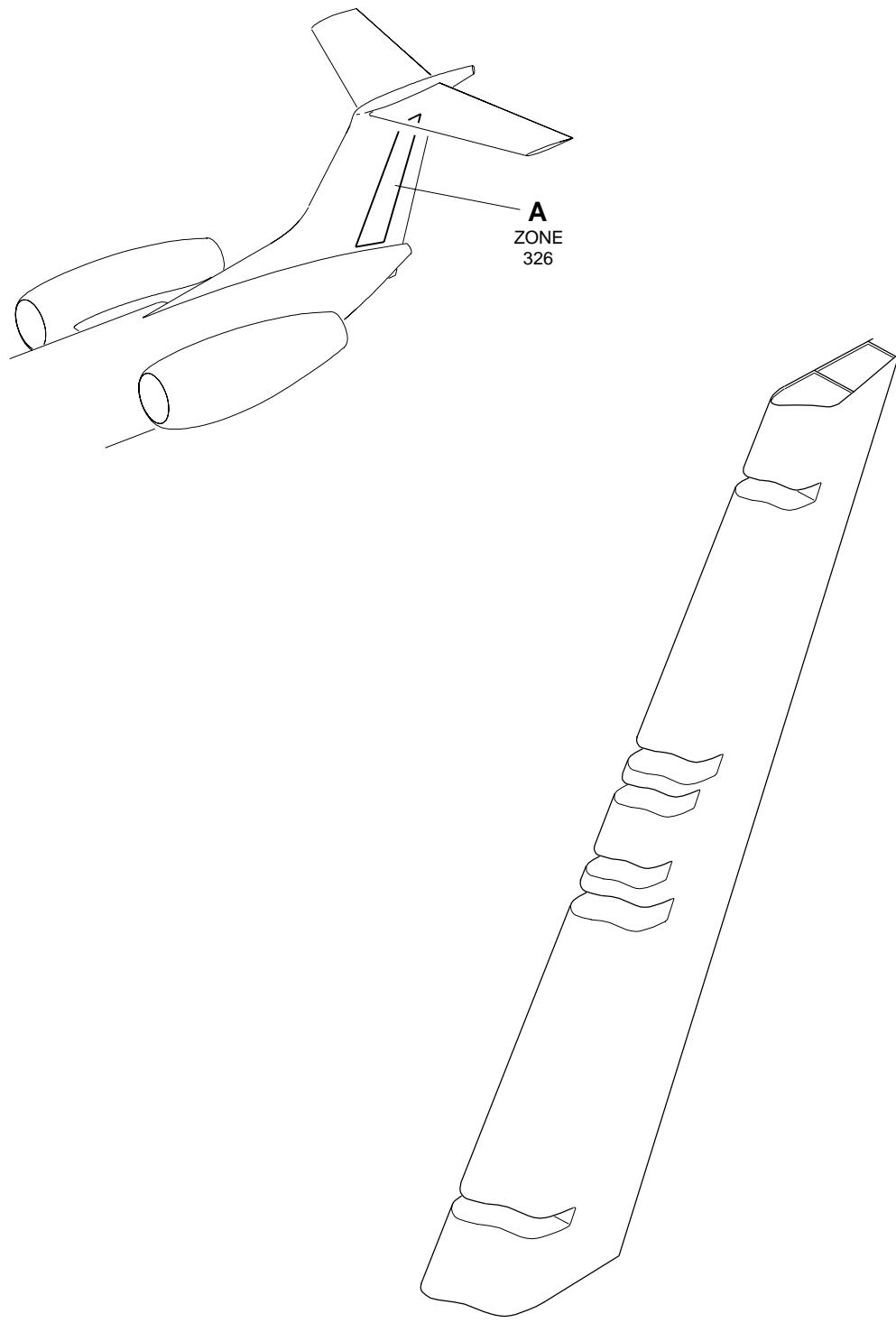
SUBTASK 842-002-A

- (1) Remove the ladder.

EFFECTIVITY: ALL

Rudder I - External General Visual Inspection

Figure 601



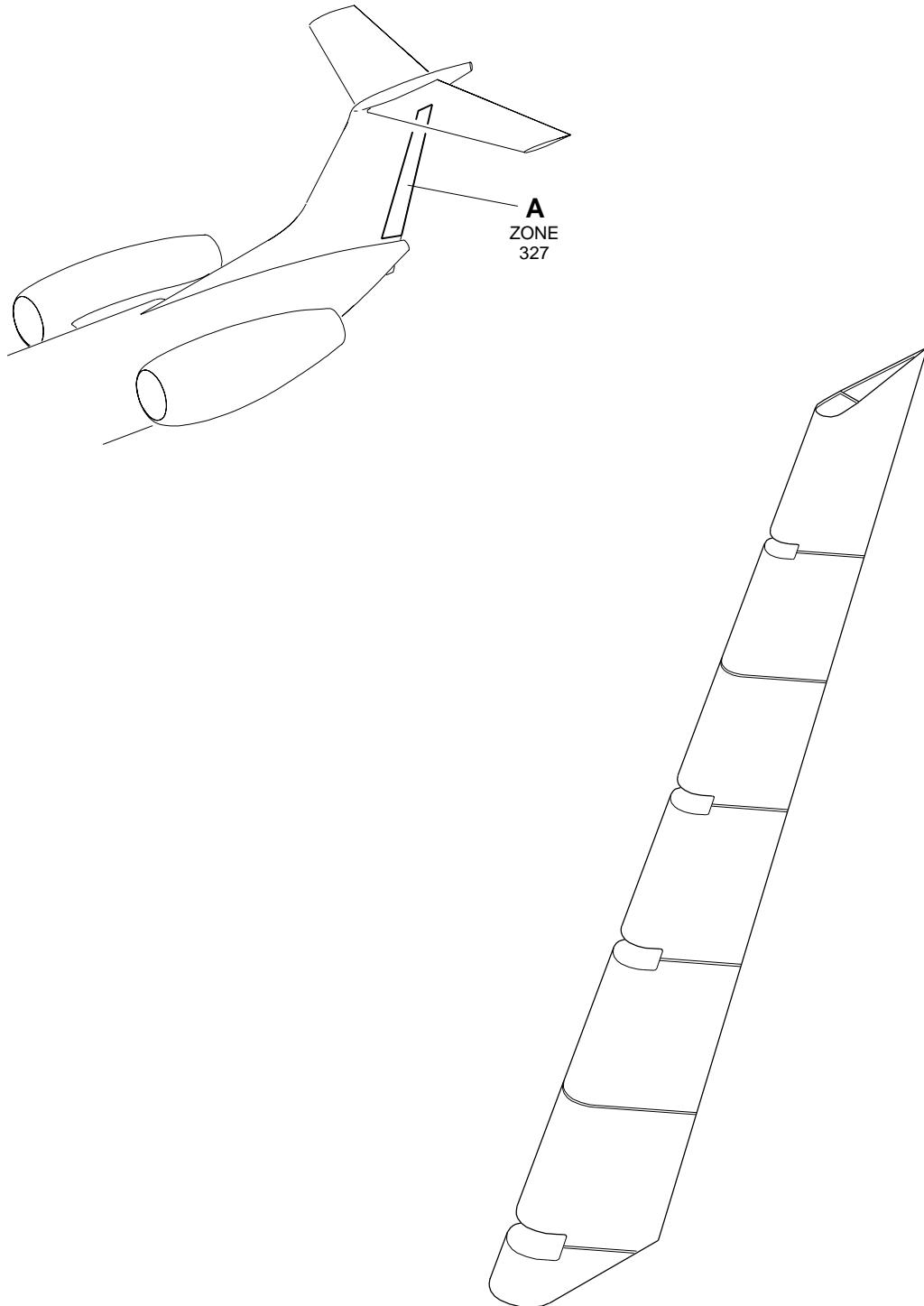
DET. A

145AMM050170.MCE

EFFECTIVITY: ALL

Rudder II - External General Visual Inspection

Figure 602



DET. A

145AMM050169.MCE

