



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

REAR FUSELAGE I - BAGGAGE COMPARTMENT BOTTOM - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of rear fuselage I - baggage compartment for general condition.
- B. Related Zones: 171/172.
- C. (Applicable to EMB-145 () models) Zone Boundaries: STA X = 20793.0 thru STA X = 25581.0.
(Applicable to EMB-135 () models) Zone Boundaries: STA X = 17253.0 thru STA X = 22041.0.
- 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
05-20-39-200-801-A ♦	REAR FUSELAGE I - BAGGAGE COMPARTMENT BOTTOM - INTERNAL GENERAL VISUAL INSPECTION	ALL

TASK 05-20-39-200-801-A
EFFECTIVITY: ALL

2. REAR FUSELAGE I - BAGGAGE COMPARTMENT BOTTOM - INTERNAL GENERAL VISUAL INSPECTION

A. General

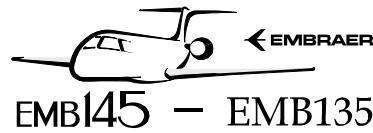
- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 53-Z171-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of rear fuselage I, at zones 171/172, within a touching distance of the items examined.
- (4) The function of the internal visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Apart from any specific targets defined in the Zonal Inspection task, a General Visual Inspection (GVI) must be conducted of the entire zone specified and includes all installations, components and structures. Refer to AMM Introduction for zonal inspection criteria.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
AMM TASK 25-81-01-000-801-A/400	-
AMM TASK 25-81-01-000-802-A/400	-
AMM TASK 25-81-01-400-801-A/400	-
AMM TASK 25-81-01-400-802-A/400	-
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-03-000-801-A/400	BAGGAGE-COMPARTMENT FLOOR PANELS - REMOVAL
AMM TASK 53-01-03-400-801-A/400	BAGGAGE-COMPARTMENT FLOOR PANELS - INSTALLATION
AMM TASK 53-01-04-000-801-A/400	REAR ELECTRONIC-COMPARTMENT FLOOR PANELS - REMOVAL
AMM TASK 53-01-04-400-801-A/400	REAR ELECTRONIC-COMPARTMENT FLOOR PANELS - INSTALLATION
WM 20-22-00	-

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
272	272DR	Fuselage rear section I - RH
271	271AF	Floor panel - baggage compartment
271	271BF	Floor panel - baggage compartment
271	271CF	Floor panel - baggage compartment
271	271FF	Floor panel - baggage compartment



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ZONE	PANEL/DOOR	LOCATION
272	272AF	Floor panel - baggage compartment
272	272BF	Floor panel - baggage compartment
271	271DF	Floor panel - rear electronic compartment
271	271EF	Floor panel - rear electronic compartment
272	272CF	Floor panel - rear electronic compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Ladder	To get access to the area	
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	Rear fuselage I - baggage compartment bottom

I. Preparation ([Figure 601](#)) ([Figure 602](#))

SUBTASK 841-002-A

- (1) Put the ladder in position.
- (2) Open access door 272DR (AMM MPP 06-41-01/100) ([Figure 601](#)).
- (3) Remove baggage-compartment floor panels 271AF, 272AF, 272BF, 271BF, 271FF, and 271CF ([AMM TASK 53-01-03-000-801-A/400](#)) ([Figure 602](#)).
- (4) Remove rear electronic-compartment floor panels 271DF, 272CF, and 271EF ([AMM TASK 53-01-04-000-801-A/400](#)) ([Figure 602](#)).
- (5) Remove the thermoacoustic insulation from rear fuselage I to zones 171/172 (AMM TASK 25-81-01-000-801-A/400) or (AMM TASK 25-81-01-000-802-A/400) as applicable.



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J. Internal General Visual Inspection ([Figure 603](#))

SUBTASK 212-002-A

- (1) Examine the interior of the zone for loose rivets, nicks, cracks, dents, skin deformation, sealant poor condition, scratches, gouges, creases, erosion, corrosion, deteriorated protective treatment, and foreign objects ([Figure 603](#)).
- (2) Examine the interior of the zone for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment at the splices, circumferential splices, baggage compartment floor beams and columns, and frames.
- (3) Examine the interior of the zone for leakage signs, broken strands of the rudder and elevator control cables, ducts and muffler condition, and signs of overheating.
- (4) Examine the mechanical linkage at the autopilot tie-in.
- (5) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

SUBTASK 842-002-A

- (1) Install the thermoacoustic insulation to zones 171/172 (AMM TASK 25-81-01-400-801-A/400) or (AMM TASK 25-81-01-400-802-A/400) as applicable.
- (2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

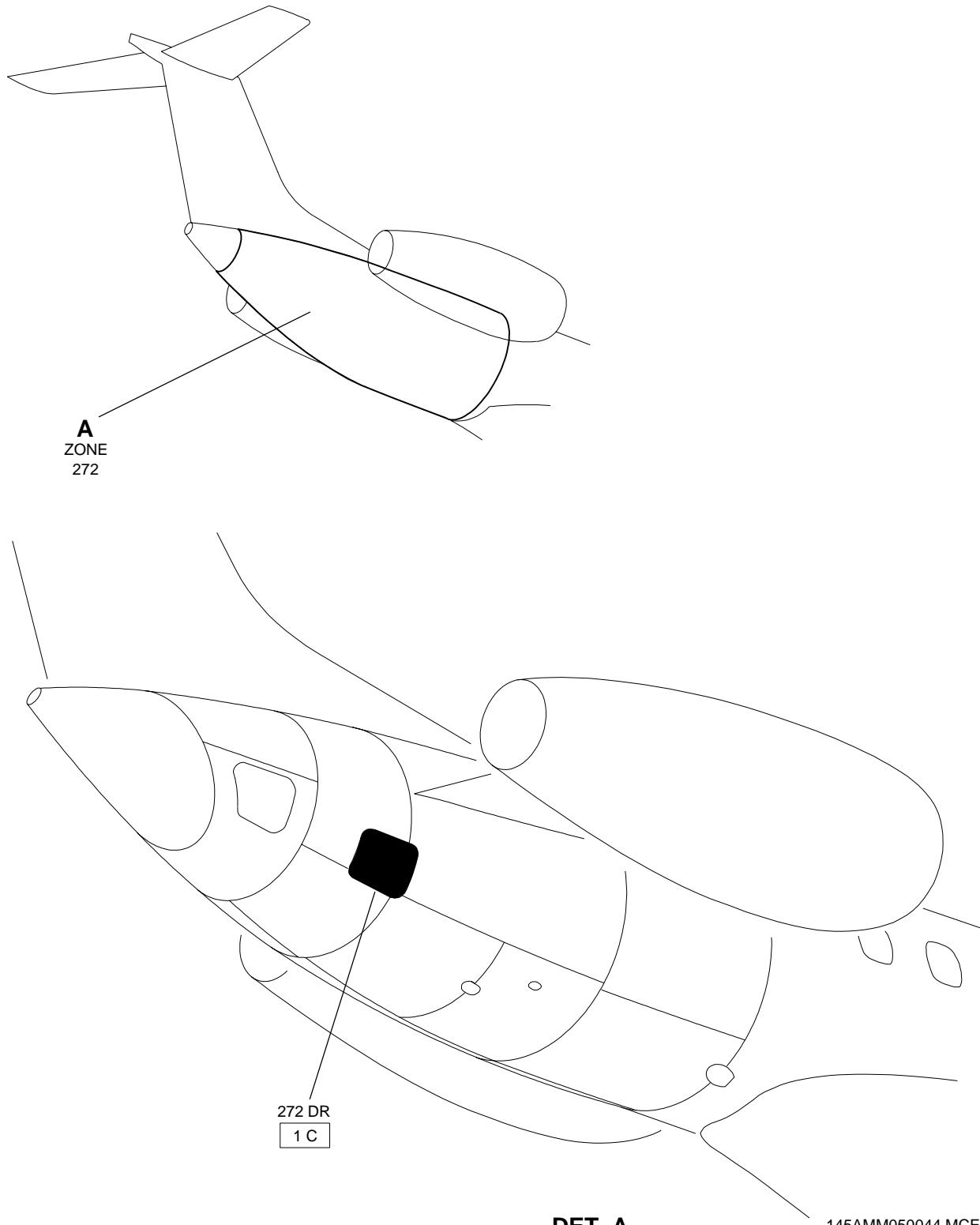
NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (3) Install rear electronic-compartment floor panels 271DF, 272CF, and 271EF ([AMM TASK 53-01-04-400-801-A/400](#)) ([Figure 602](#)).
- (4) Install baggage-compartment floor panels 271AF, 272AF, 272BF, 271BF, 271FF, and 271CF ([AMM TASK 53-01-03-400-801-A/400](#)) ([Figure 602](#)).
- (5) Install access door 272DR (AMM MPP 06-41-01/100) ([Figure 601](#)).
- (6) Remove the ladder.

EFFECTIVITY: ALL

Rear Fuselage I - Internal General Visual Inspection

Figure 601



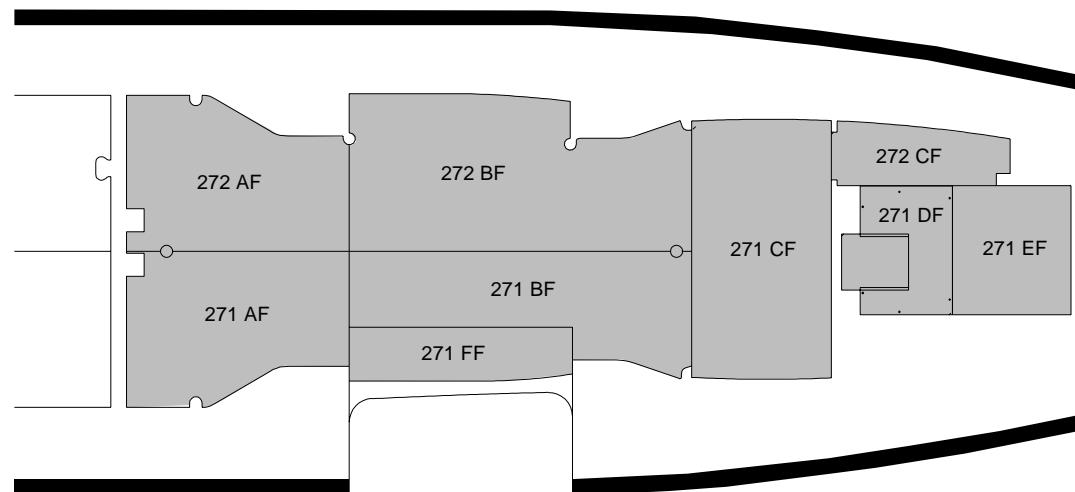
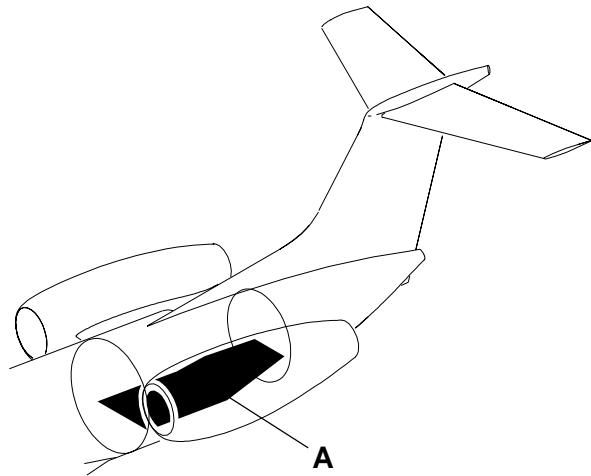
DET. A

145AMM050044.MCE A

EFFECTIVITY: ALL

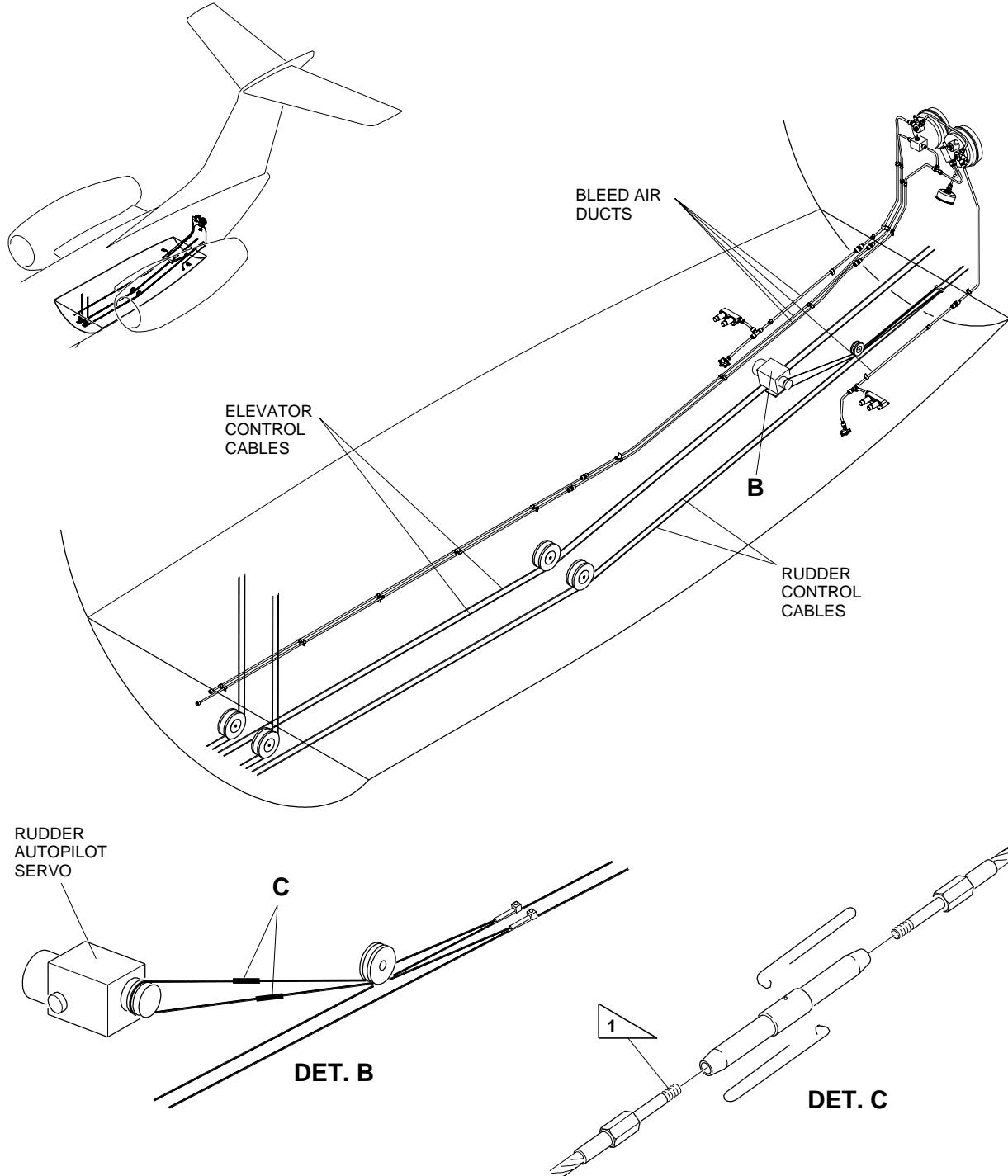
Rear Fuselage I - Access Door - Location

Figure 602



DET. A

EM145AMM050077B.DGN

EFFECTIVITY: ALL
Rear Fuselage I - Access Door - Location
Figure 603

1
GENERAL VISUAL INSPECT MECHANICAL LINKAGE IN THE AUTOPILOT TIE-IN.

145AMM050270.MCE

