



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

CENTER FUSELAGE III - WING STUB LH/RH SIDES - EXTERNAL - INSPECTION/CHECK

EFFECTIVITY: *EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS*

1. General

- A. This section gives the procedures to do the visual inspection of center fuselage III - wing stub LH/RH sides for general condition.
- B. Related Zones: 155/156.
- C. Zone Boundaries: STA Y = -230.0 thru STA Y = -960.0 and STA Y = 230.0 thru STA Y = 960.0
- 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
05-30-20-200-801-A	CENTER FUSELAGE III - WING STUB LH/RH SIDES - EXTERNAL GENERAL VISUAL INSPECTION	EMB-145LR/LU/MR/MP/ MK AND EMB-135LR/KE/KL MODELS
05-30-20-200-802-A	CENTER FUSELAGE III - WING STUB LH/RH SIDES - EXTERNAL GENERAL VISUAL INSPECTION	EMB-145LR/LU/MR/MP/ MK AND EMB-135LR/KE/KL MODELS



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TASK 05-30-20-200-801-A

EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

2. CENTER FUSELAGE III - WING STUB LH/RH SIDES - EXTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do the external general visual inspection (GVI) of center fuselage III, at zones 155/156, within a touching distance of the items examined.
- (2) The function of the external general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-000-802-A/400	-
AMM TASK 53-01-02-400-801-A/400	-
AMM TASK 53-01-02-400-802-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Wing-to-fuselage fairing
192	192BR	Wing-to-fuselage fairing
251	251CF	Passenger cabin floor
251	251DF	Passenger cabin floor
251	251EF	Passenger cabin floor
251	251FF	Passenger cabin floor
251	251JF	Passenger cabin floor
251	251KF	Passenger cabin floor
252	252BF	Passenger cabin floor
252	252CF	Passenger cabin floor

D. Tools and Equipment

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	Center fuselage III - wing stub LH/RH sides

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

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

- (1) Make sure that the aircraft is defueled ([AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Use table 601 to remove passenger-cabin floor panels as applicable to your aircraft (AMM TASK 53-01-02-000-801-A/400) or (AMM TASK 53-01-02-000-802-A/400) ([Figure 601](#)).

Table 601 - PASSENGER-CABIN FLOOR PANELS

AIRCRAFT	PANELS
EMB-145	251CF, 251DF, 252BF, 252CF, 251FF, and 251EF
EMB-135	251JF, 251KF, 251DF, 252BF, 252CF, 251FF, and 251EF

- (3) Open access panels 192AL and 192BR (AMM MPP 06-41-01/100).

J. External General Visual Inspection ([Figure 602](#)) ([Figure 603](#)) ([Figure 604](#))
SUBTASK 212-002-A

- (1) Examine the opened access panels for nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment.
- (2) Examine the wing-stub upper structure for nicks, cracks, dents, distortion, erosion, corrosion, and loose rivets ([Figure 602](#)).
- (3) On the bottom of the front stub structure, do a check on the hydraulic lines and components, for attachment, cracks, crushing, signs of deformation, deterioration, friction, leakage ([Figure 603](#)). Also do a check for damage on the heat-shrinkable sleeve that wraps the electrical harness ([Figure 604](#)).

K. Follow-on
SUBTASK 842-002-A

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).



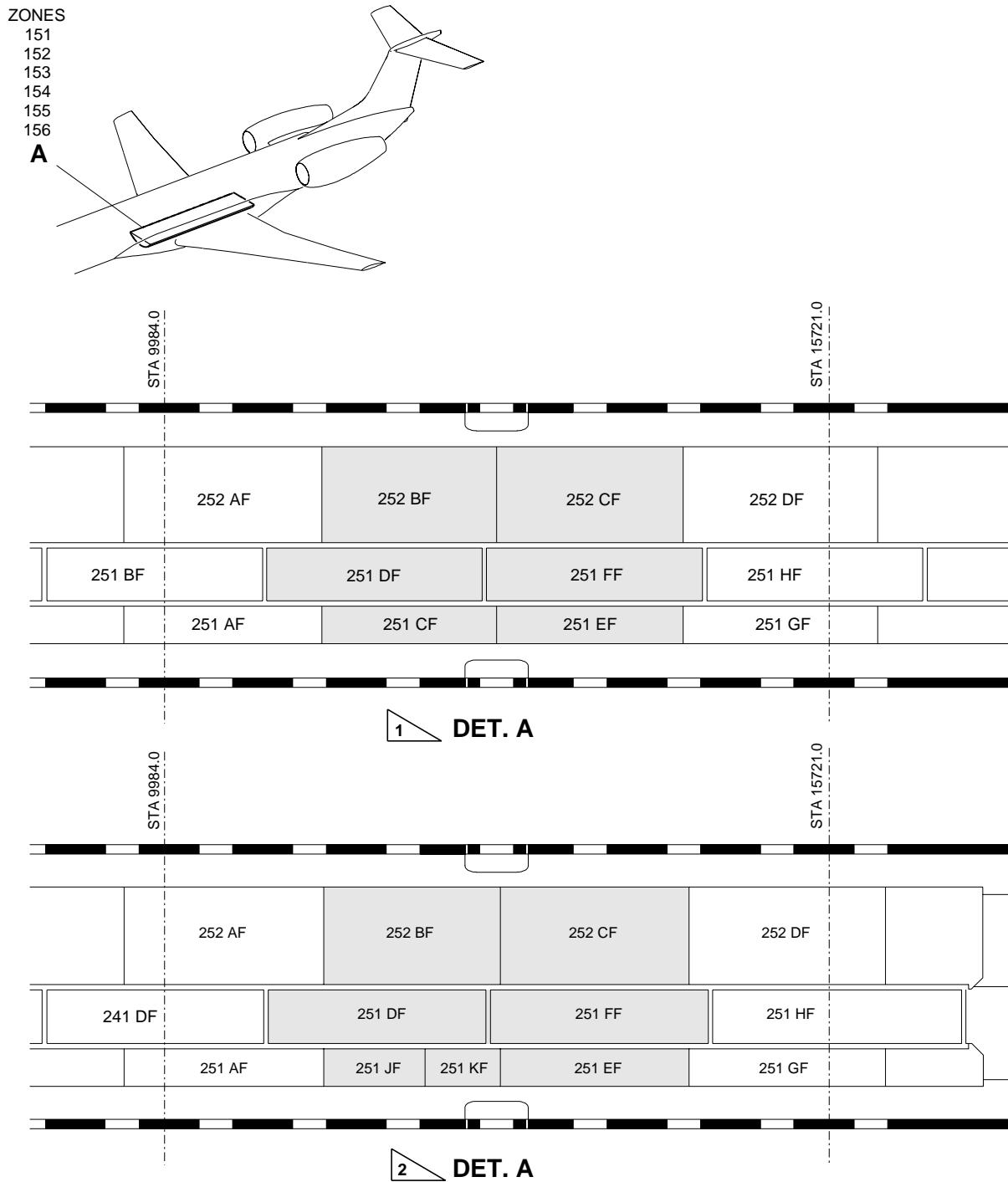
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NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (2) Use table 601 to install passenger-cabin floor panels as applicable to your aircraft (AMM TASK 53-01-02-400-801-A/400) or (AMM TASK 53-01-02-400-802-A/400).
- (3) Close access panels 192AL and 193BR (AMM MPP 06-41-01/100).

EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
 Center Fuselage III - Wing Stub LH/RH Sides - Passenger Cabin Floor Panels
 Figure 601

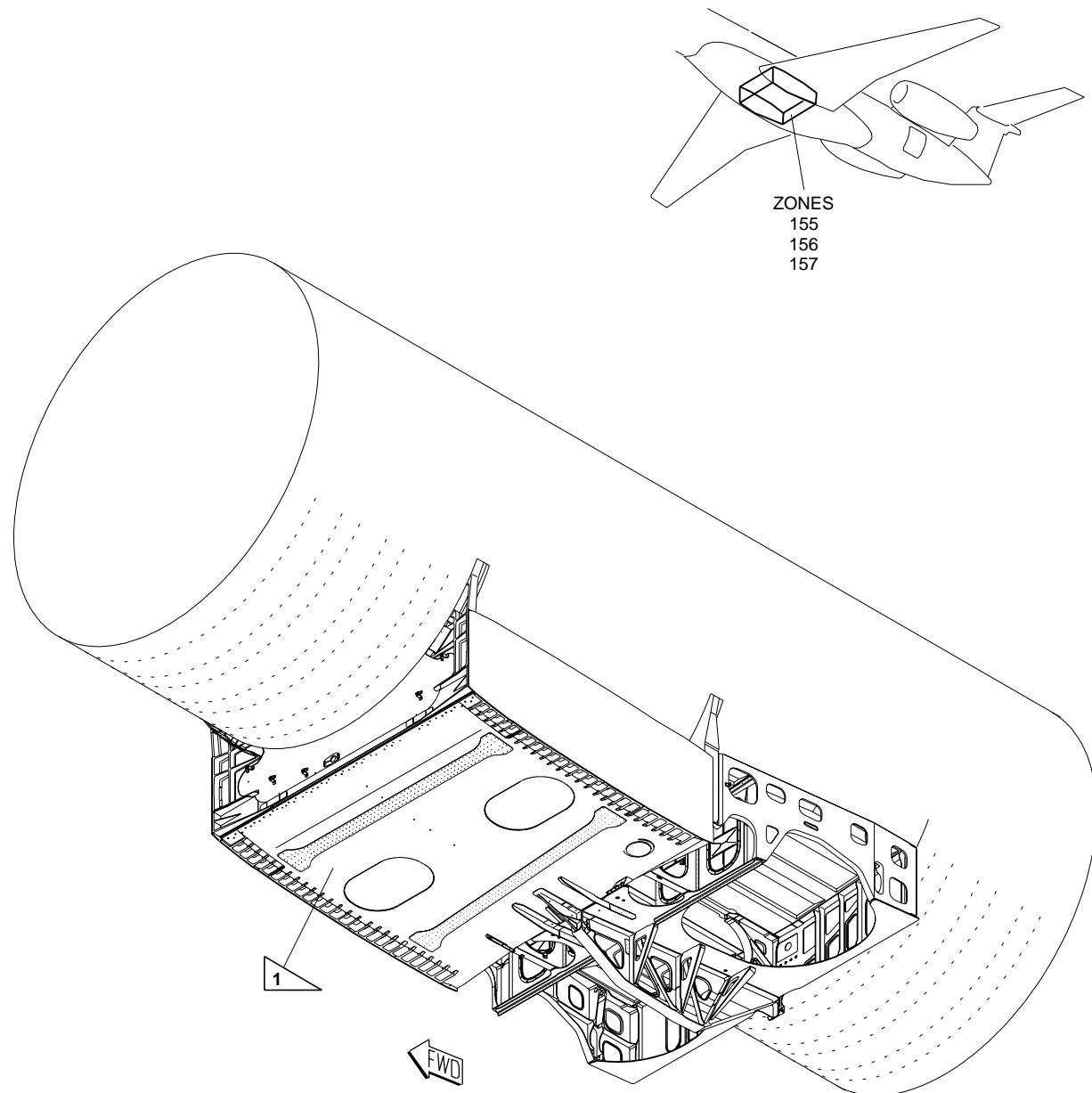


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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

Center Fuselage III - Wing Stub LH/RH Sides - External General Visual Inspection

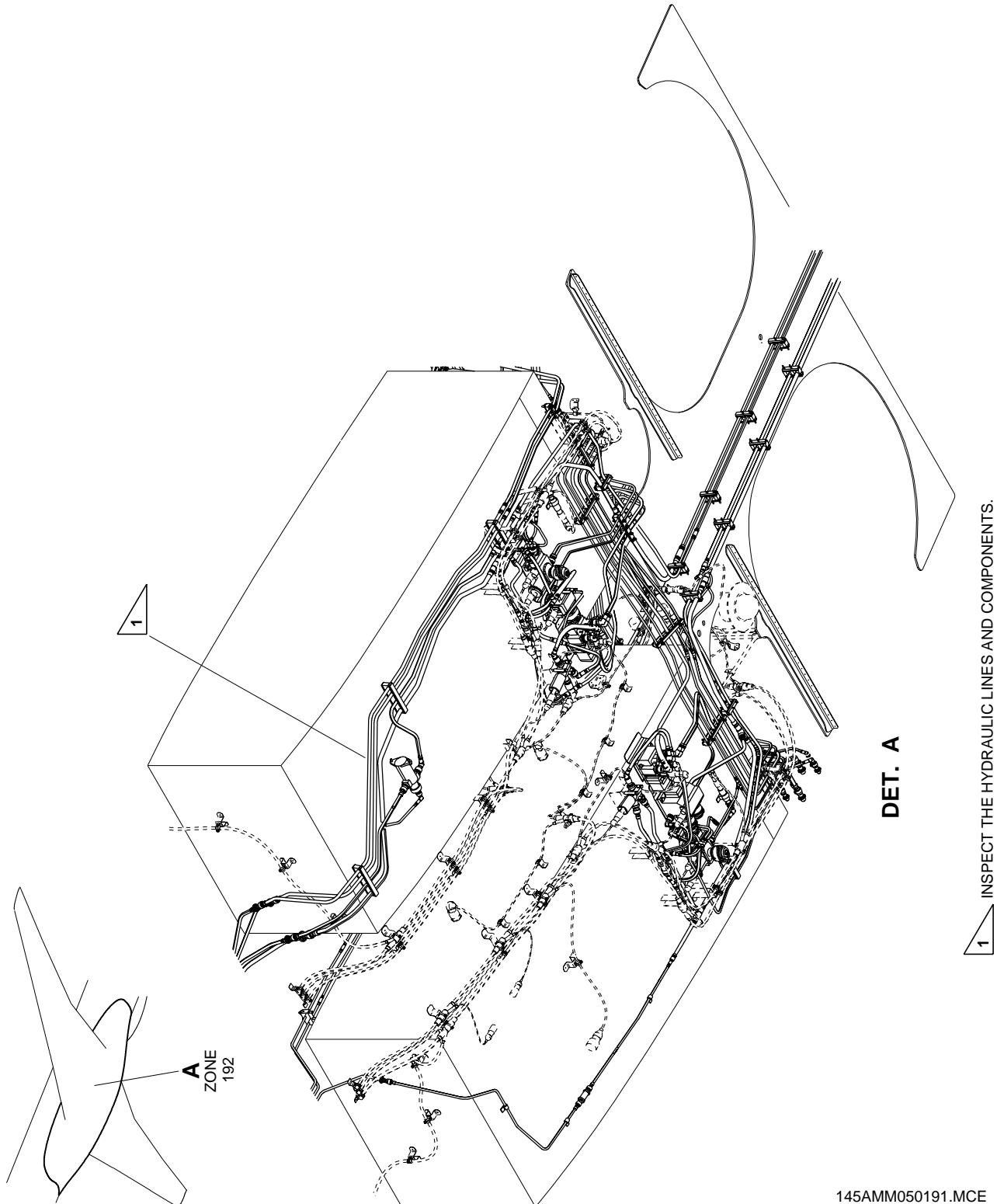
Figure 602



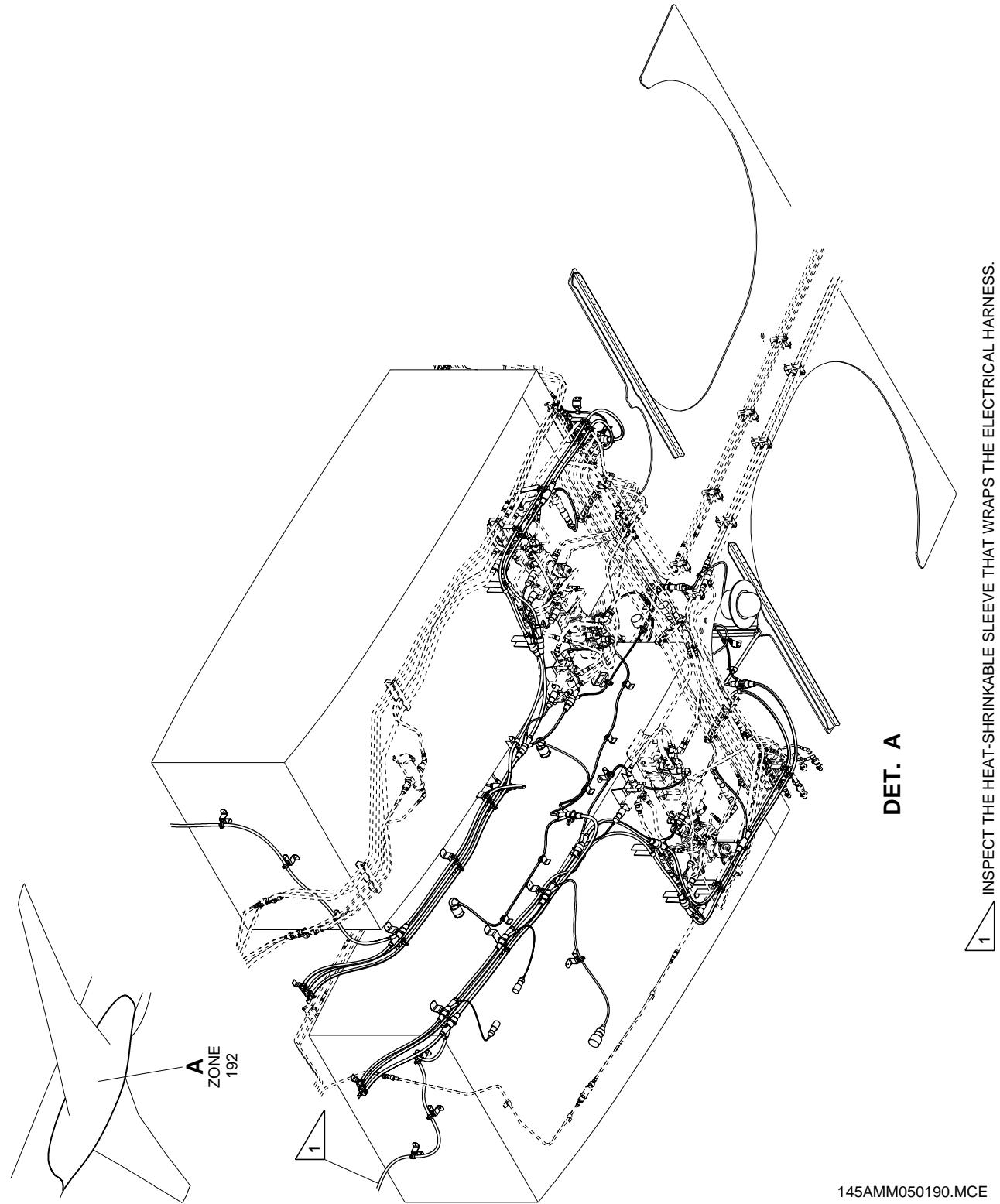
EXTERNALLY INSPECT TO WING STUB STRUCTURE.

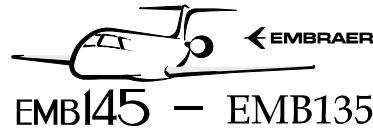
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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
Center Fuselage III - Wing Stub LH/RH Sides - Hydraulic Lines and Components
Figure 603



EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
Center Fuselage III - Wing Stub LH/RH Sides - Electrical Harness
Figure 604





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TASK 05-30-20-200-802-A

EFFECTIVITY: *EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS*

3. CENTER FUSELAGE III - WING STUB LH/RH SIDES - EXTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do the external general visual inspection (GVI) of center fuselage III, at zones 155/156, within a touching distance of the items examined.
- (2) The function of the external general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
155	155DZ	Main landing gear compartment
155	155EZ	Main landing gear compartment
156	156DZ	Main landing gear compartment
156	156EZ	Main landing gear compartment
192	192AL	Wing-to-fuselage fairing
192	192BR	Wing-to-fuselage fairing

D. Tools and Equipment

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



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Center fuselage III - wing stub LH/RH sides

I. Preparation ([Figure 605](#)) ([Figure 606](#))

SUBTASK 841-003-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

- (1) Make sure that the aircraft is defueled ([AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Open main landing gear compartment access doors and panels 155DZ, 155EZ, 156DZ and 156EZ (AMM MPP 06-41-01/100) ([Figure 605](#)).
- (3) NOTE: The step below is applicable only to EMB-145 MR/MP/MK and EMB-135 KE models.

Open access panels 192AL and 192BR (AMM MPP 06-41-01/100) ([Figure 606](#)).

J. External General Visual Inspection ([Figure 607](#)) ([Figure 608](#))

SUBTASK 212-003-A

- (1) NOTE: The step below is applicable only to EMB-145 LR/LU and EMB-135 LR/KL models.

In the rear stub structure, do a check on the fuel and hydraulic lines for wear, cleaning, signs of chafing, leakage, overheating, loose clamps, corrosion, erosion, or nicks ([Figure 607](#)).

- (2) NOTE: The steps below are applicable only to EMB-145 MR/MP/MK and EMB-135 KE models.
- In the rear stub structure, examine only the hydraulic lines for wear, cleaning, signs of chafing, leakage, overheating, loose clamps, corrosion, erosion, or nicks ([Figure 607](#)).
- (3) Access the panels 192AL and 192BR and do a check on the fuel lines for integrity ([Figure 608](#)).

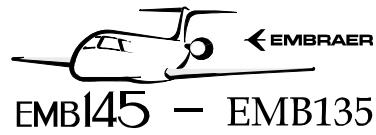
K. Follow-on

SUBTASK 842-003-A

- (1) 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.

- (2) Close main landing gear compartment access doors and panels 155DZ, 155EZ, 156DZ and 156EZ (AMM MPP 06-41-01/100).



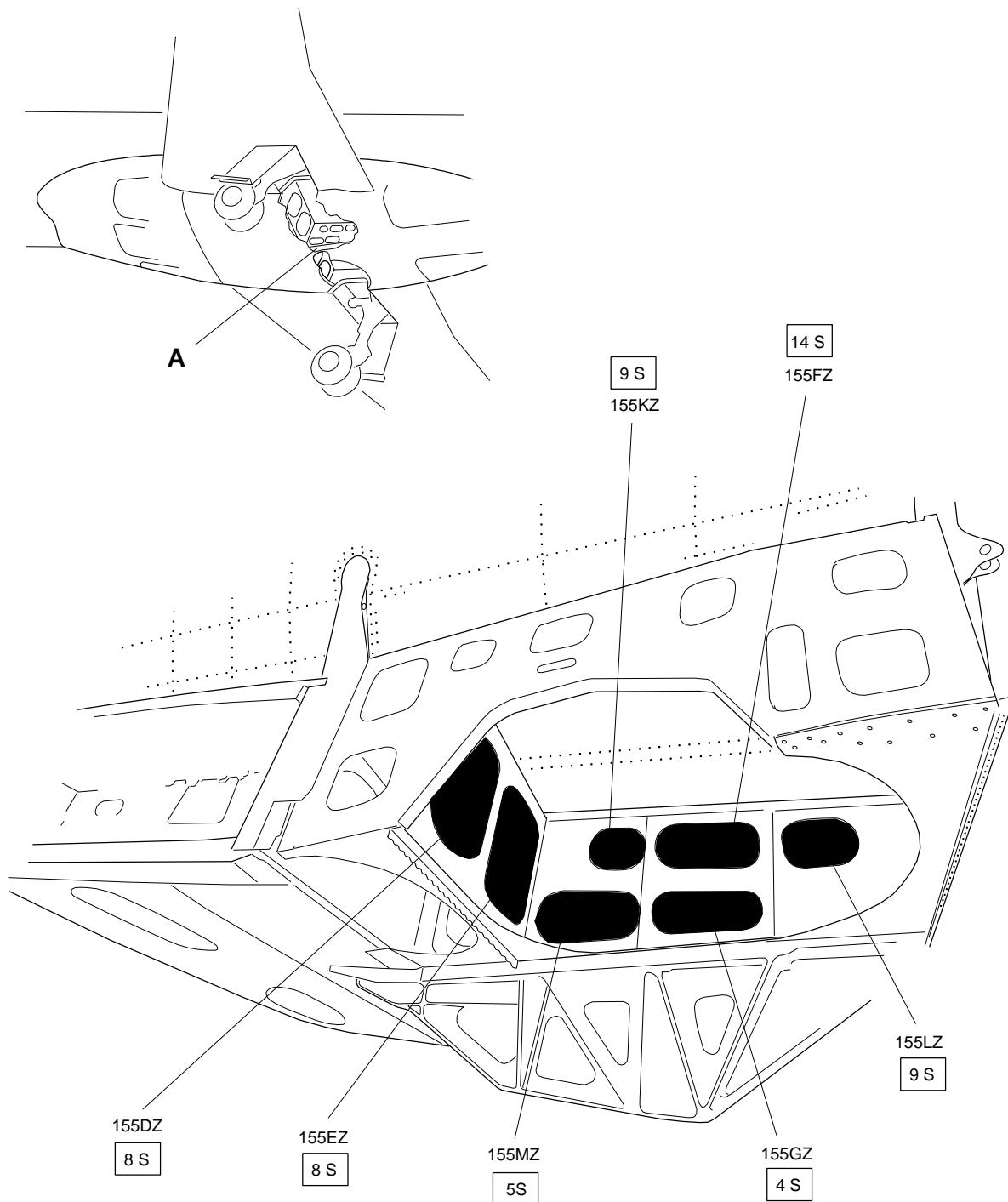
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- (3) Close access panels 192AL and 192BR (AMM MPP 06-41-01/100).

EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

Center Fuselage III - Passenger Cabin Bottom - Main Landing Gear Compartment Access Doors and Panels

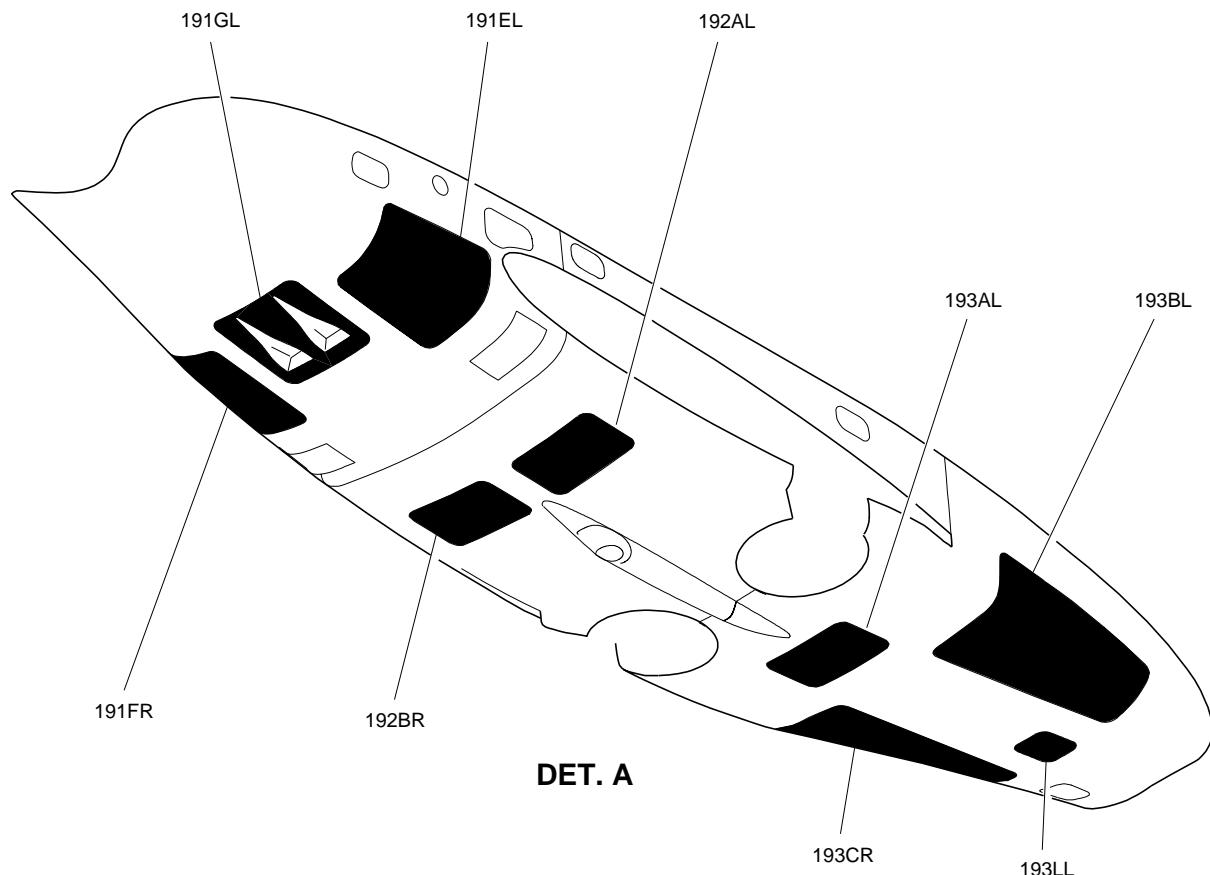
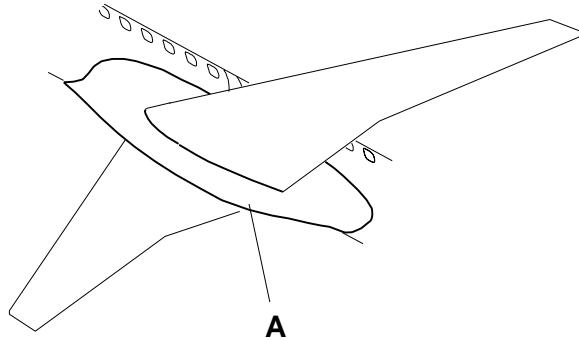
Figure 605



DET. A

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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
 Center Fuselage III - Access Panels
 Figure 606

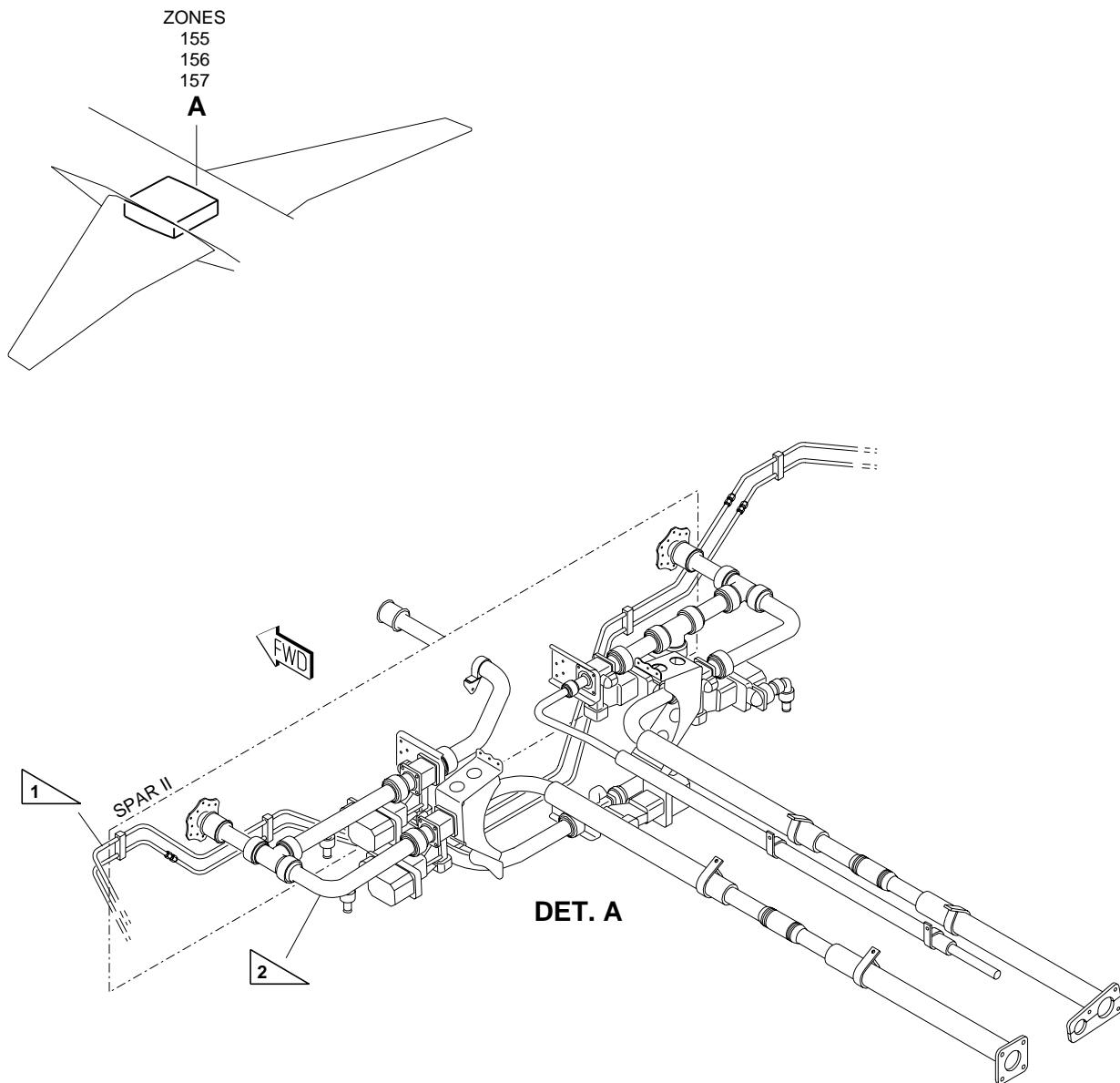


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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

Center Fuselage III - Wing Stub LH/RH Sides External - Fuel and Hydraulic Line

Figure 607

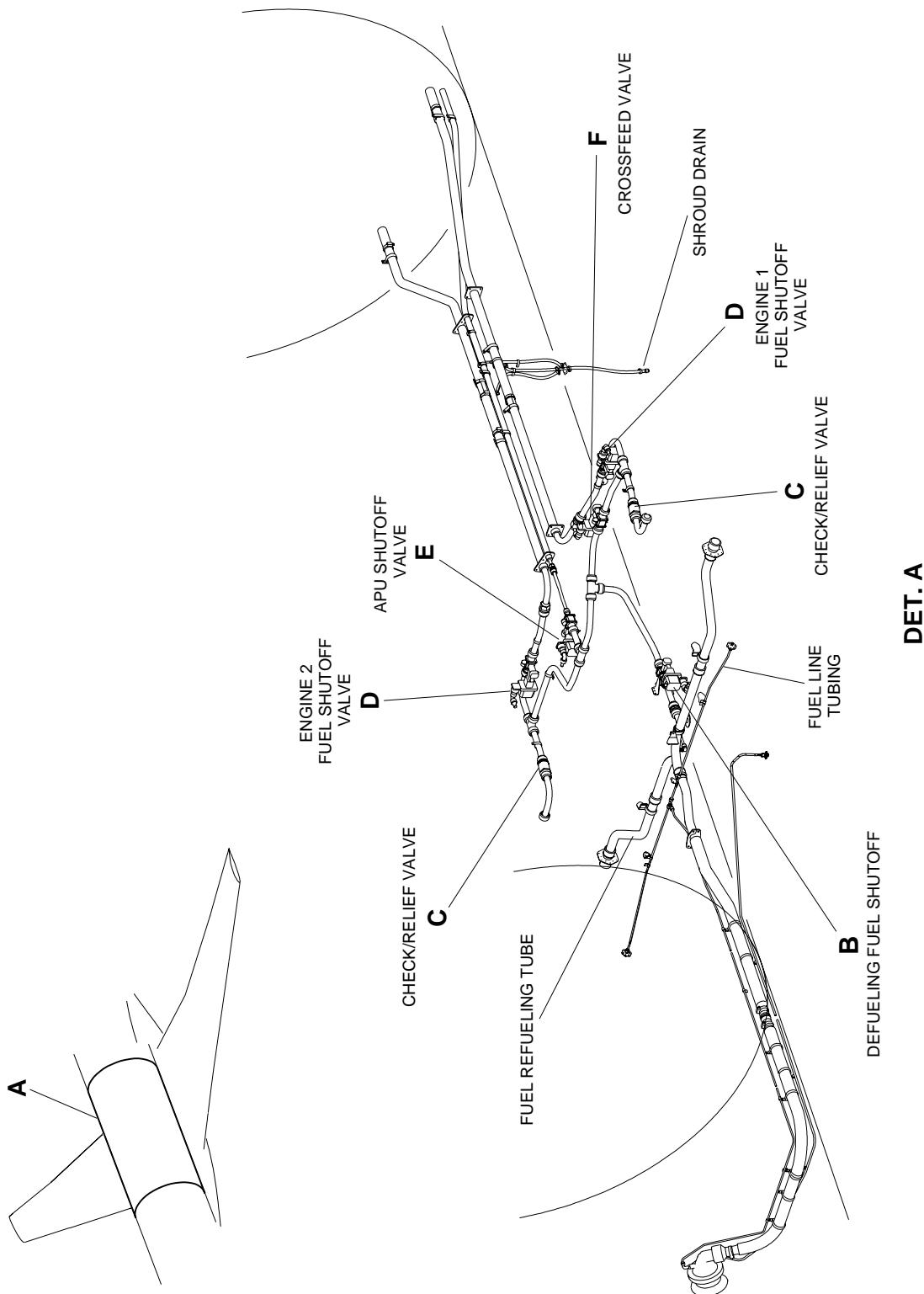


1 VISUALLY INSPECT HYDRAULIC LINES FOR GENERAL CONDITION

2 VISUALLY INSPECT FUEL LINES FOR GENERAL CONDITION

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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
 Center Fuselage III - Passenger Cabin Bottom - Fuel Line and Components
 Figure 608



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