



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

CENTER FUSELAGE III - WING STUB LH/RH SIDES - INTERNAL - 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. Zones: 155/156/157.
- C. Zone Boundaries: STA Y = -960.0 thru STA Y = -230.0, and STA Y = 230.0 thru STA Y = 960.0, and STA Y = -230.0 thru STA Y = 230.0
- 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 |
|----------------------|---|--|
| 05-30-21-200-801-A ♦ | CENTER FUSELAGE III - WING SUB LH/RH SIDES - INTERNAL GENERAL VISUAL INSPECTION | EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS |



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TASK 05-30-21-200-801-A

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

2. CENTER FUSELAGE III - WING SUB LH/RH SIDES - 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-Z155-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of center fuselage III, in zones 155/156/157, at a distance from which you can touch the items that you will examine.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) After you complete the procedures given in the Zonal Inspection task, you must do a General Visual Inspection (GVI) in all of the specified zones. The inspection must include all installations, components, and structures. Refer to the AMM Introduction for zonal inspection criteria.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--|
| AMM MPP 06-41-01/100 | - |
| AMM MPP 28-00-00/200 | - MAINTENANCE PRACTICES |
| AMM TASK 12-11-01-600-801-A/300 | FUEL-TANK PRESSURE REFUELING - SERVICING |
| AMM TASK 12-11-01-600-802-A/300 | FUEL-TANK PRESSURE DEFUELING - SERVICING |
| AMM TASK 28-11-01-000-801-A/400 | FUEL-TANK ACCESS PANELS - REMOVAL |
| AMM TASK 28-11-01-400-801-A/400 | FUEL-TANK ACCESS PANELS - INSTALLATION |
| AMM TASK 28-41-00-200-801-A/600 | - |
| WM 20-22-00 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-------------------------------|
| 192 | 192AL | Wing-to-fuselage fairing |
| 192 | 192BR | Wing-to-fuselage fairing |
| 155 | 155BZ | Wing stub |
| 155 | 155CZ | Wing stub |
| 155 | 155NZ | Wing stub |
| 156 | 156BZ | Wing stub |
| 156 | 156CZ | Wing stub |
| 156 | 156NZ | Wing stub |
| 155 | 155DZ | Main Landing Gear Compartment |
| 155 | 155EZ | Main Landing Gear Compartment |
| 155 | 155FZ | Main Landing Gear Compartment |



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(Continued)

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-------------------------------|
| 155 | 155GZ | Main Landing Gear Compartment |
| 155 | 155KZ | Main Landing Gear Compartment |
| 155 | 155LZ | Main Landing Gear Compartment |
| 155 | 155MZ | Main Landing Gear Compartment |
| 155 | 155QZ | Main Landing Gear Compartment |
| 156 | 156DZ | Main Landing Gear Compartment |
| 156 | 156EZ | Main Landing Gear Compartment |
| 156 | 156FZ | Main Landing Gear Compartment |
| 156 | 156GZ | Main Landing Gear Compartment |
| 156 | 156KZ | Main Landing Gear Compartment |
| 156 | 156LZ | Main Landing Gear Compartment |
| 156 | 156MZ | Main Landing Gear Compartment |
| 156 | 156QZ | Main Landing Gear Compartment |

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) (Figure 602)

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) Defuel the tanks ([AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Open wing-to-fuselage fairing access panels 192AL and 192BR (AMM MPP 06-41-01/100).

- (3) Remove the fuel-tank access panels 155BZ, and 156BZ ([AMM TASK 28-11-01-000-801-A/400](#)) ([Figure 601](#)).
- (4) Open wing stub access panels 155CZ, 155NZ, 156CZ and 156NZ (AMM MPP 06-41-01/100) ([Figure 601](#)).
- (5) Open main landing gear compartment access panels 155DZ, 155EZ, 155FZ, 155GZ, 155KZ, 155LZ, 155MZ, 155QZ, 156DZ, 156EZ, 156FZ, 156GZ, 156KZ, 1556Z, 156MZ, and 156QZ (AMM MPP 06-41-01/100) ([Figure 602](#)).

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

SUBTASK 212-002-A

- (1) Examine the interior of the wing stub for general condition: deformations, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, deteriorated protective treatment, and foreign objects.
- (2) Examine the fuel tank motive-flow supply line and fuel system components for correct installation, wear, cleaning, signs of chafing, leakage, overheating, loose clamps, corrosion, erosion, and nicks ([Figure 603](#)).
- (3) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

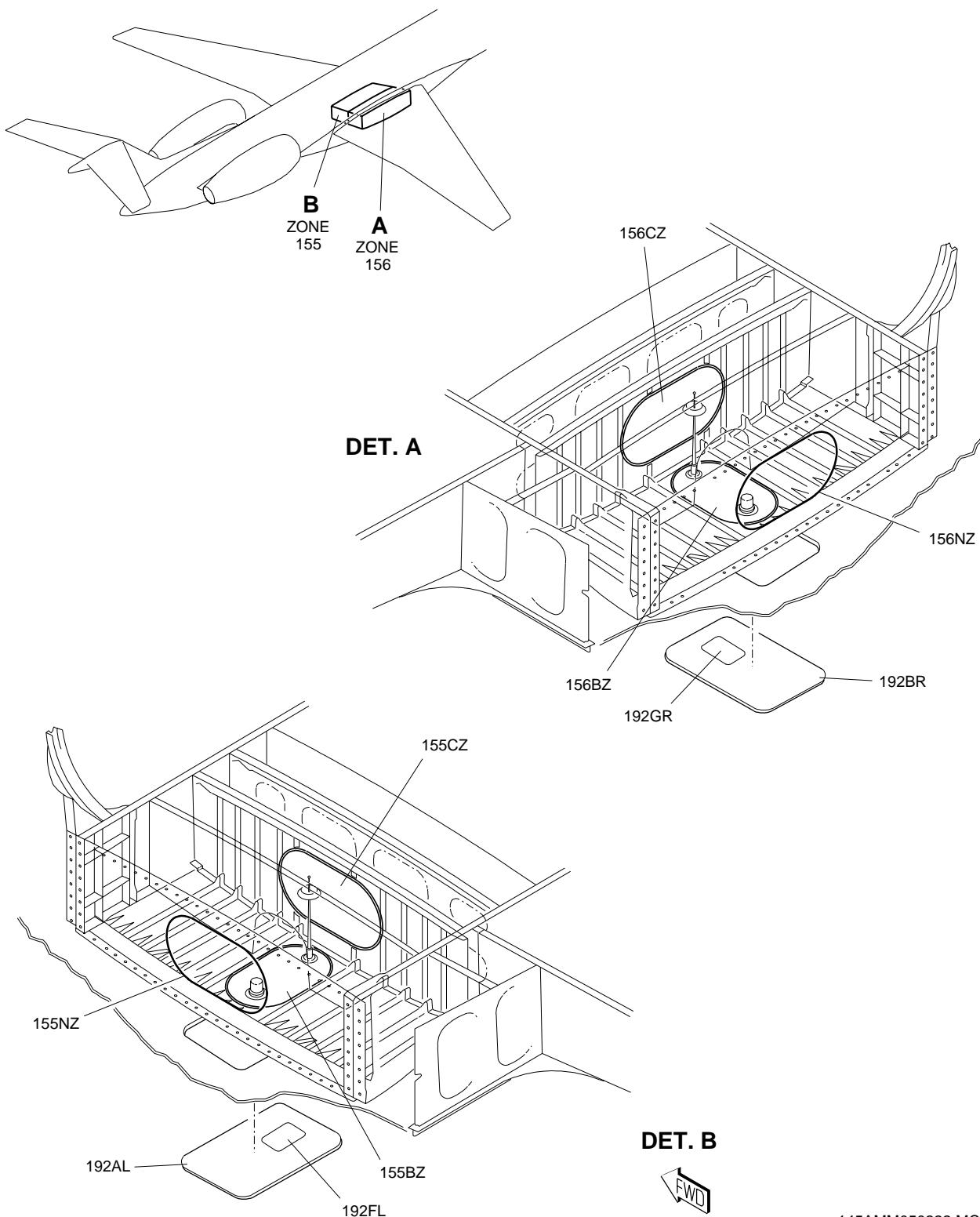
SUBTASK 842-002-A

- (1) 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 panels 155DZ, 155EZ, 155FZ, 155GZ, 155KZ, 155LZ, 155MZ, 155QZ, 156DZ, 156EZ, 156FZ, 156GZ, 156KZ, 1556Z, 156MZ, and 156QZ (AMM MPP 06-41-01/100).
- (3) Close wing stub access panels 155CZ, 155NZ, 156CZ and 156NZ (AMM MPP 06-41-01/100).
- (4) Install fuel tank access panels 155BZ and 156BZ ([AMM TASK 28-11-01-400-801-A/400](#)).
- (5) Close wing-to-fuselage fairing access panels 192AL and 192BR (AMM MPP 06-41-01/100).
- (6) Refuel the tanks ([AMM TASK 12-11-01-600-801-A/300](#)).
- (7) Examine the access panels which were removed and opened for fuel leakage.

EFFECTIVITY: EMB-145LR/LU AND EMB-135LR/KL MODELS

Center Fuselage III - Wing Stub LH/RH Sides - Access Doors and Panels

Figure 601

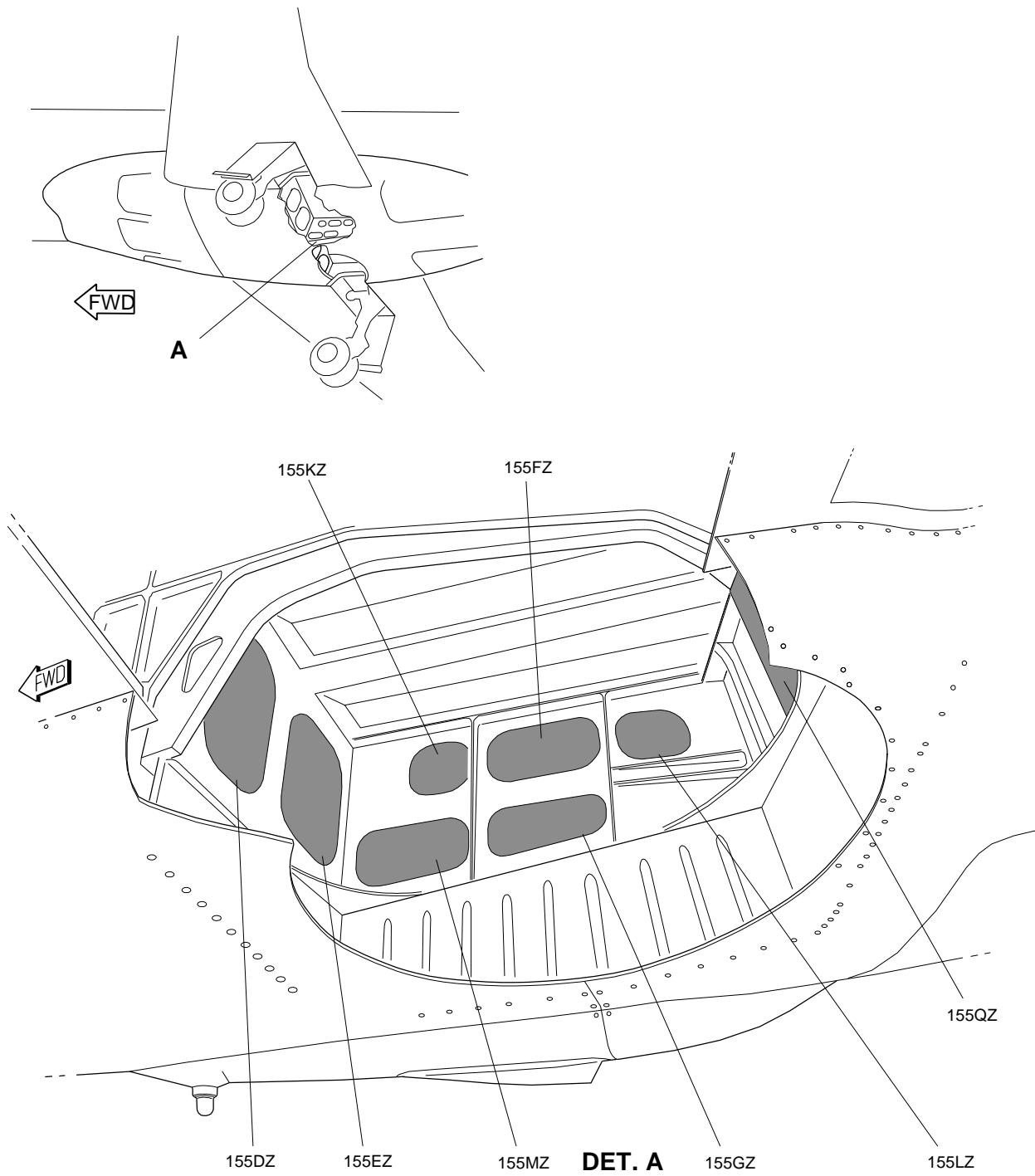


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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

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

Figure 602 - Sheet 1

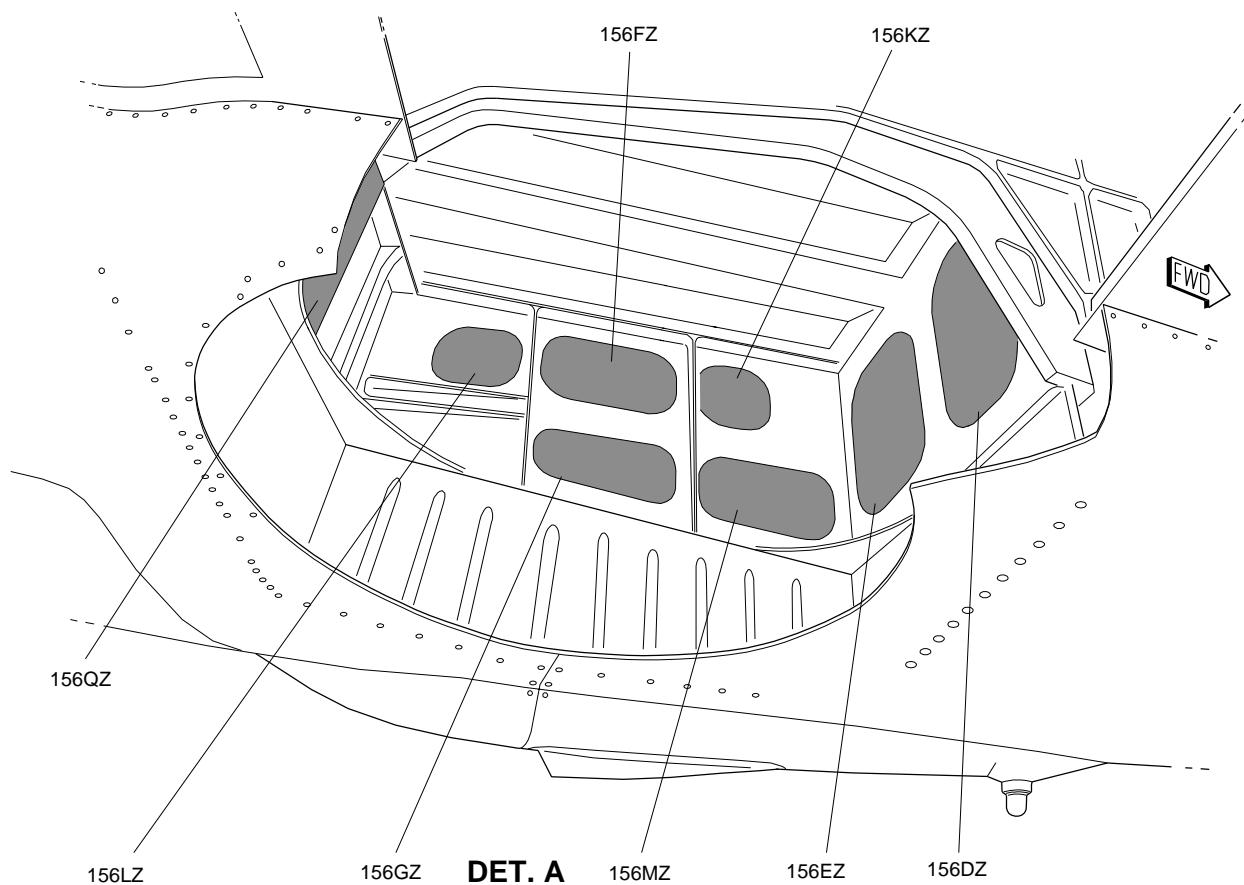
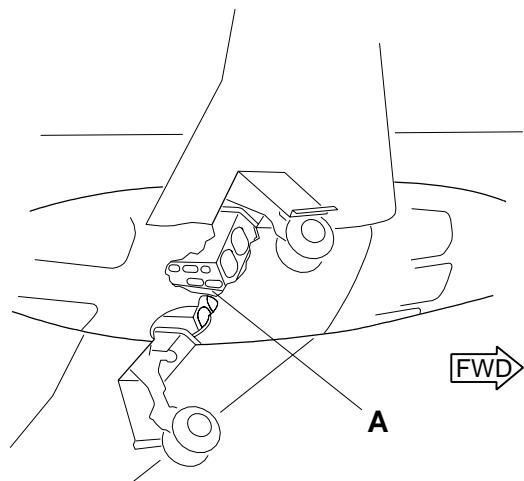


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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

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

Figure 602 - Sheet 2

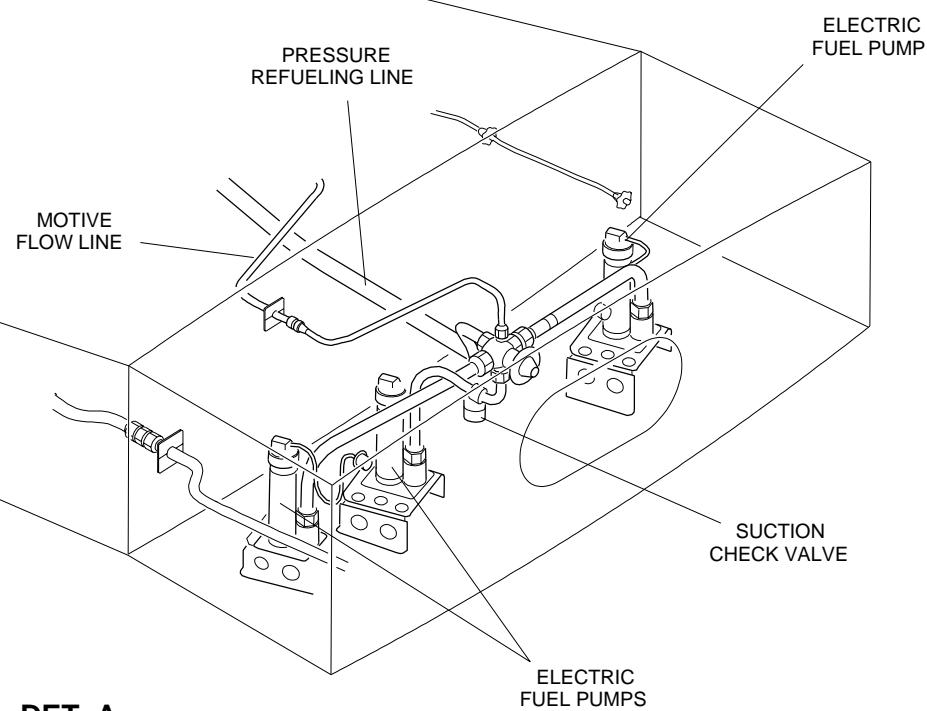
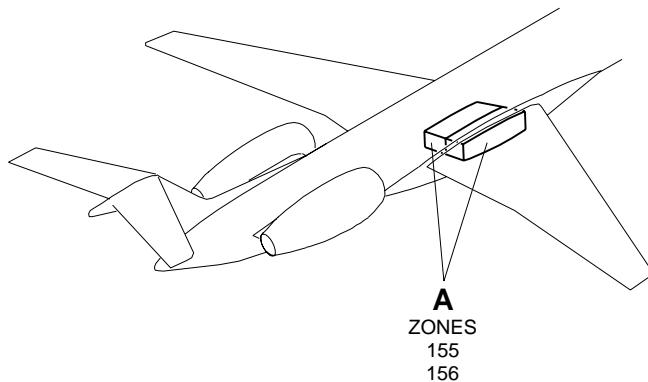


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EFFECTIVITY: EMB-145LR/LU AND EMB-135LR/KL MODELS

Center Fuselage III - Wing Stub LH/RH Sides - Fuel System

Figure 603



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