AIRFRAME DRAINAGE - SERVICING

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

A. The aircraft has drains along all its skin. This permits the removal of all water collected from condensed humidity and other liquids.

B. There are four types of drains: the free drain, the drain valve, a nose hydraulic compartment drain, and internal drains (water/liquid passages in the skin support sections, splice angles, cargo door, service door, and escape hatch frames).

C. 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*
12-23-00-600-801-A	AIRFRAME DRAIN - MAINTENANCE	ACFT MODEL(S) EMB-135

TASK 12-23-00-600-801-A
EFFECTIVITY: ACFT MODEL(S) EMB-135

2. AIRFRAME DRAIN - MAINTENANCE

A. General

(1) The airframe drain maintenance includes a periodical inspection and removal of blockage, as necessary.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

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	In the aircraft, and outside, under the aircraft

H. Periodical Inspection and Removal of Blockage

SUBTASK 610-008-B

(1) Free Drains (Figure 301)

(a) Examine the free drains for materials collected which can prevent the outflow of water/liquid drainage.

(b) Remove drain blockage, as necessary.

(2) Drain Valves (Figure 302)

CAUTION: DO NOT USE FORCE ON THE DRAIN VALVE DURING CLEANING, BECAUSE A DAMAGED VALVE WILL CHANGE THE CABIN PRESSURIZATION.

(a) There are no special maintenance requirements for the valve. The air flow effect across the piston seat of the valve housing and piston surface causes self-cleaning action. If gummed material or other sticky fluids/particles are collected in the valve, you must remove it (TASK 53-00-01-000-801-A), and clean the components with usual cleaning agents and air pressure.

(3) Nose Hydraulic Compartment Drains (Figure 303)

(a) Examine the drain for blockage and correct operation of its valve.

(b) Clean or replace the drain valve, as necessary.

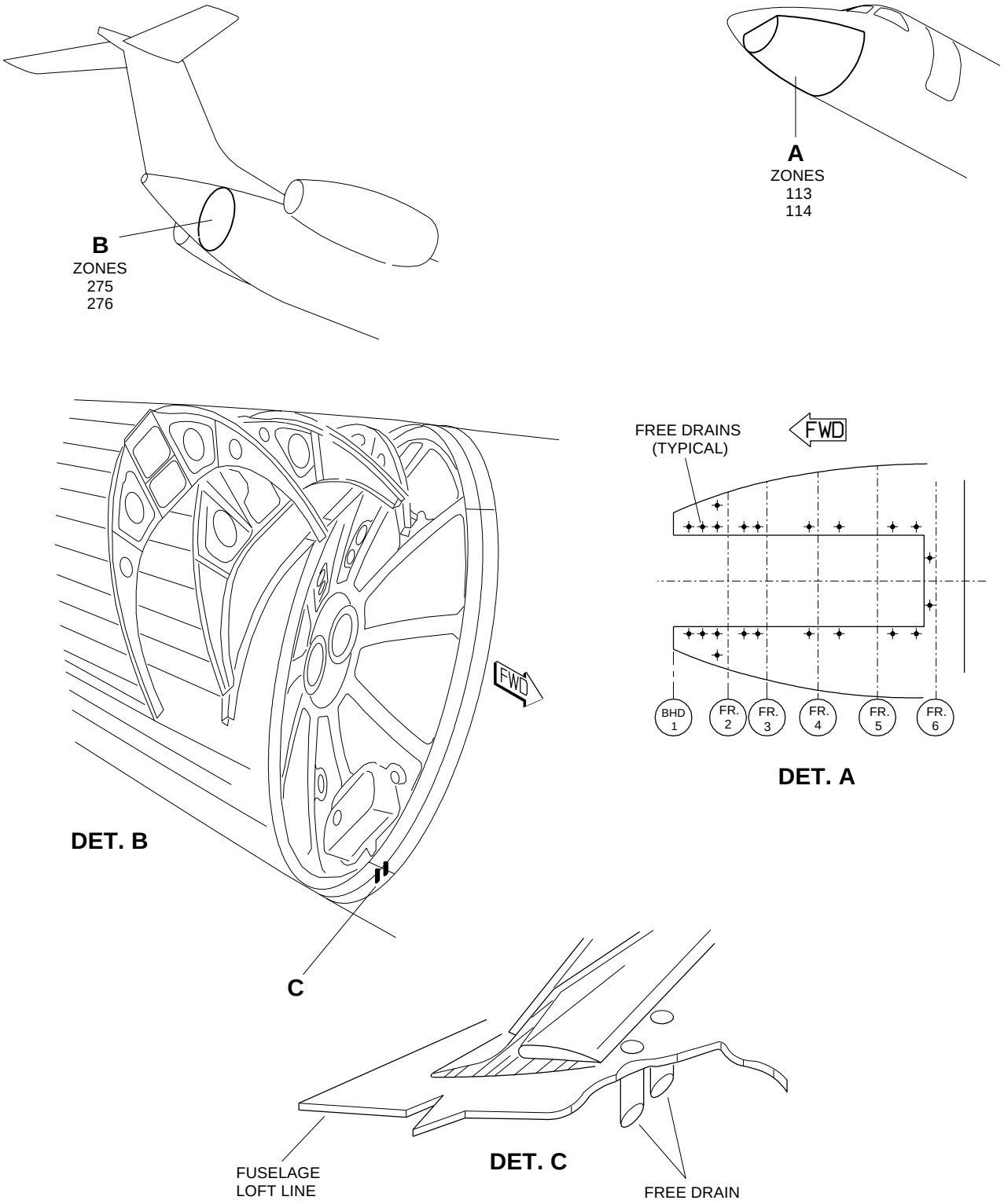
(4) Internal Drains (Figure 304) (Figure 305) (Figure 306)

(a) Examine the internal drains for material collected which can prevent outflow of water/liquid drainage.

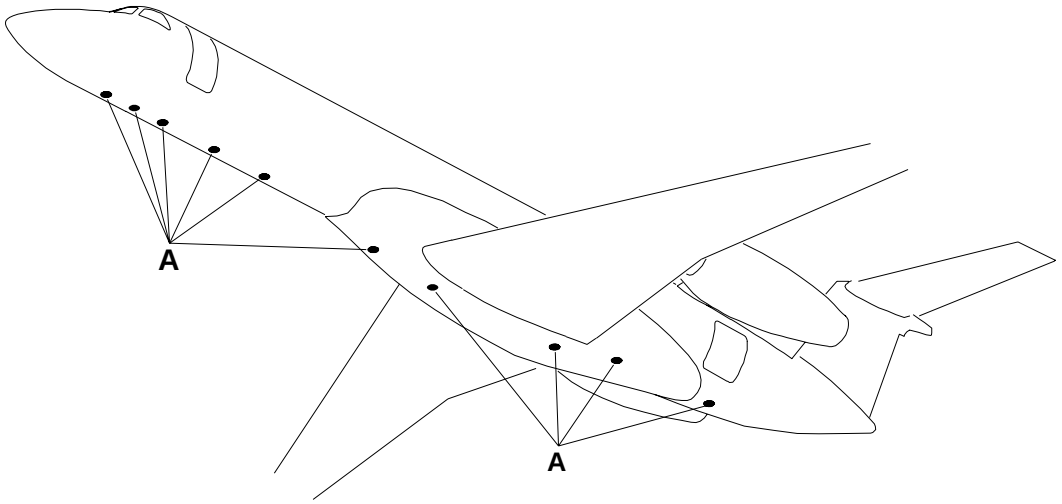
(b) If necessary, remove the drain blockages with a spatula which will not cause damage to the angle protection and clean the drains with usual cleaning agents and compressed air.

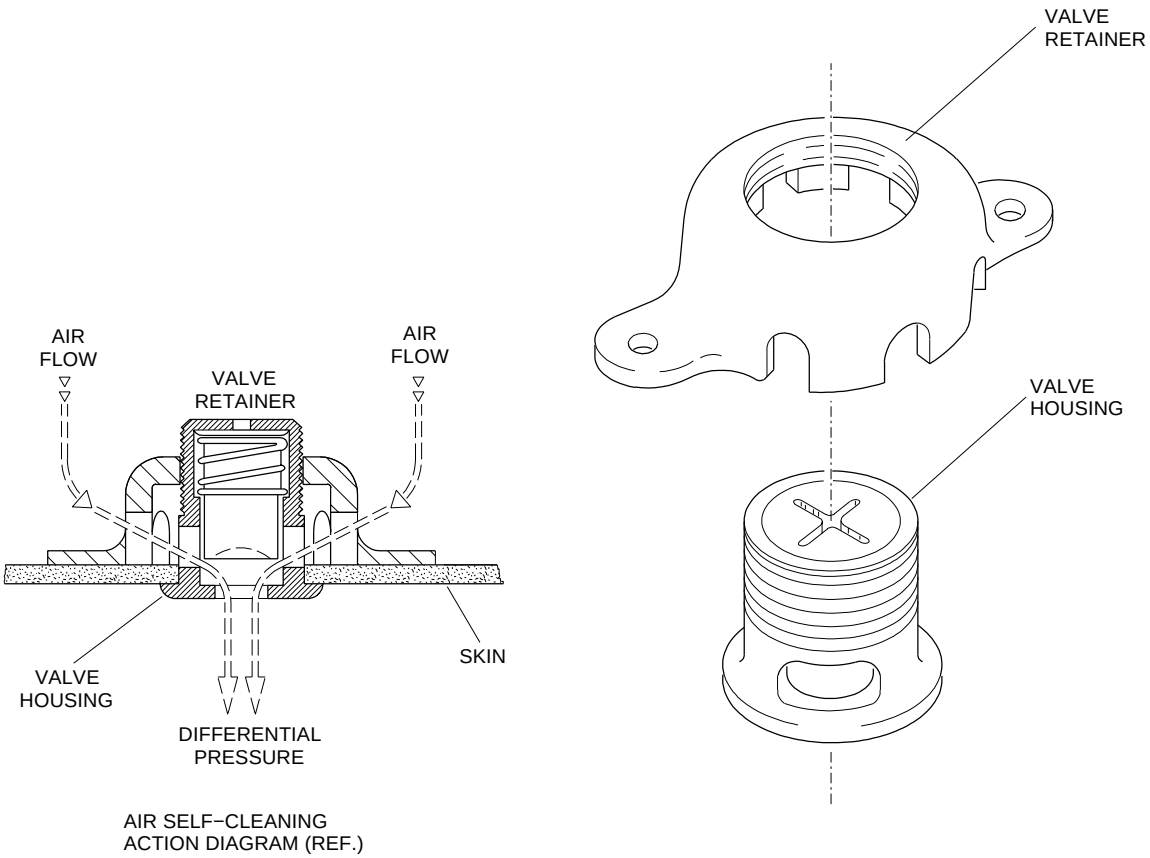
EFFECTIVITY: ACFT MODEL(S) EMB-135

Free Drains - Forward and Aft Fuselage Sections
Figure 301



EFFECTIVITY: ACFT MODEL(S) EMB-135
Drain Valves
Figure 302





DET. A
(TYPICAL)

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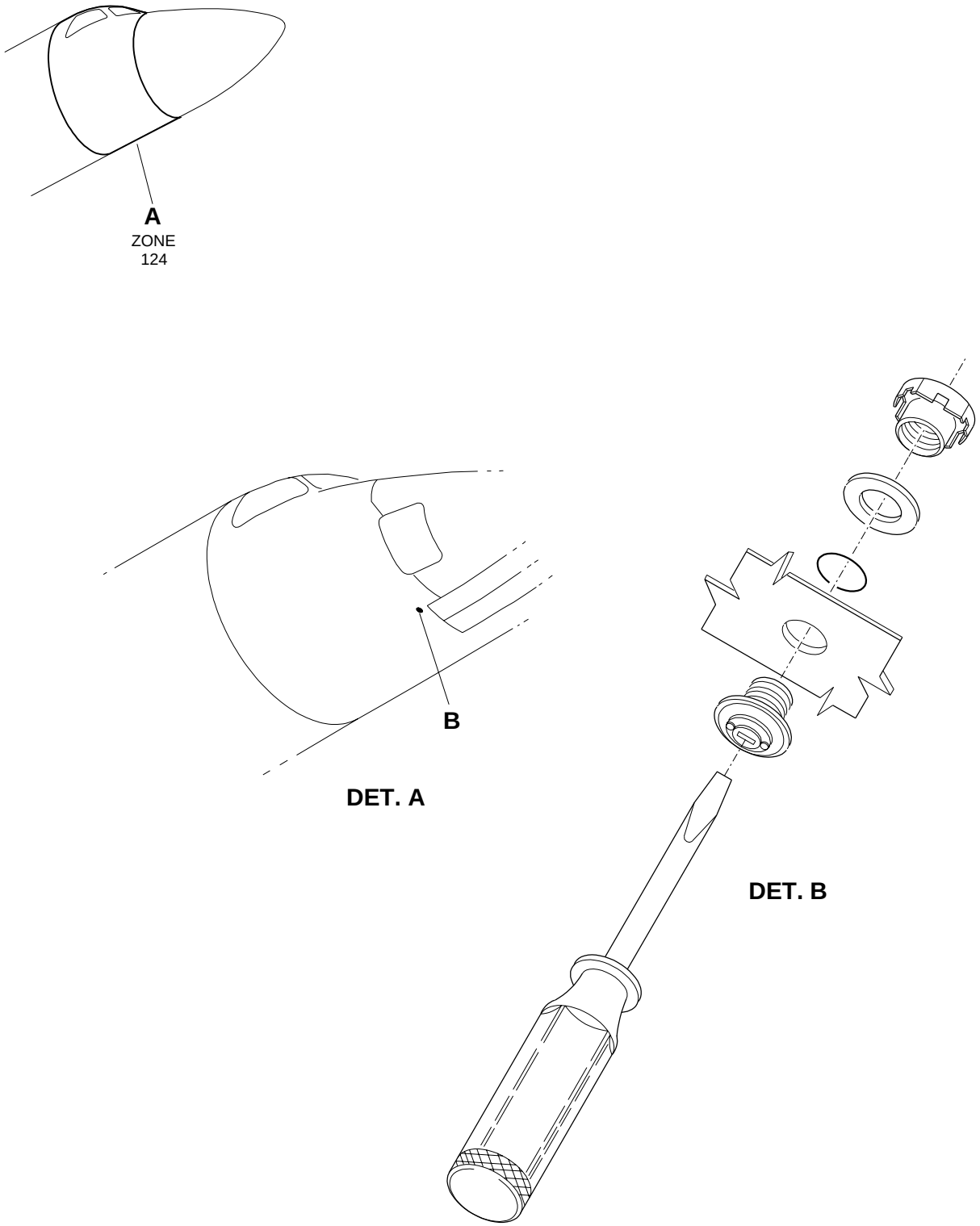
EFFECTIVITY: ACFT MODEL(S) EMB-135
Nose Hydraulic Compartment Drains
Figure 303



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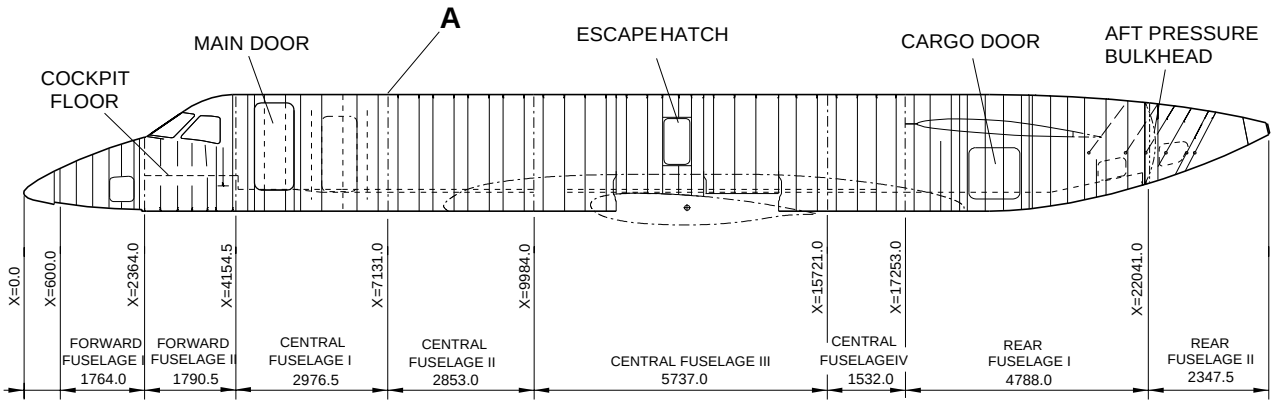
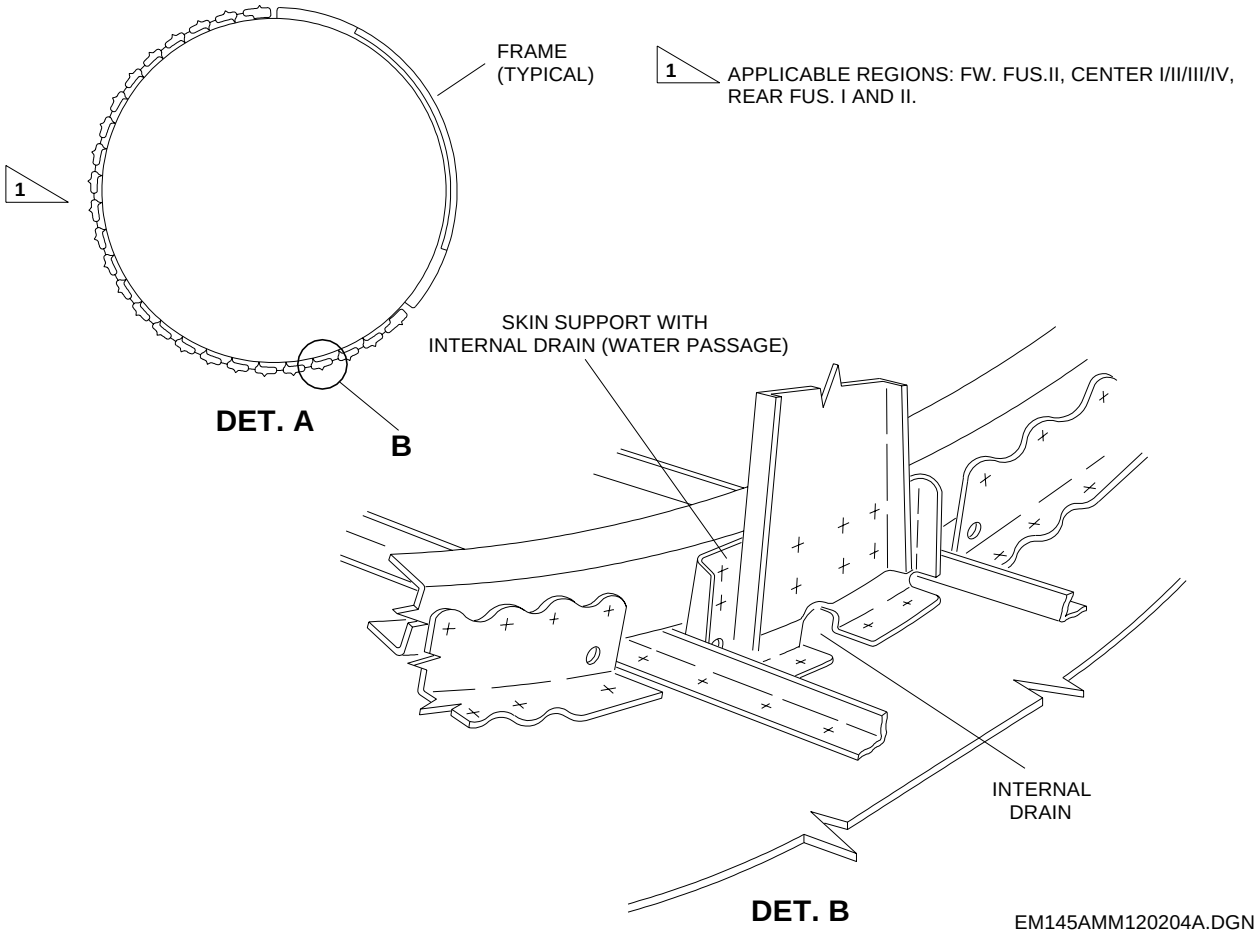
EFFECTIVITY: ACFT MODEL(S) EMB-135

Internal-Drain Inspection Areas on Frames and Bulkheads
Figure 304





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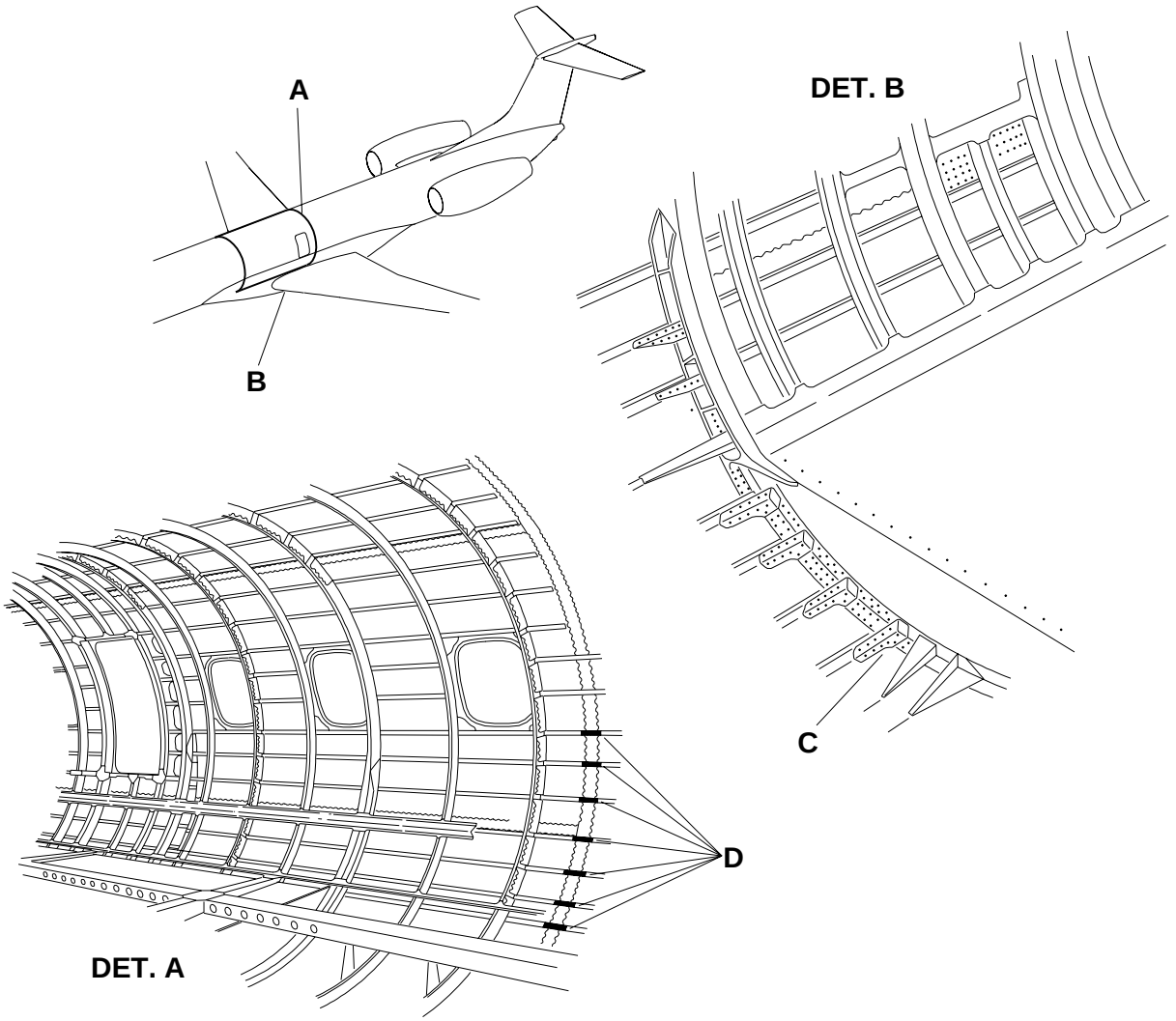
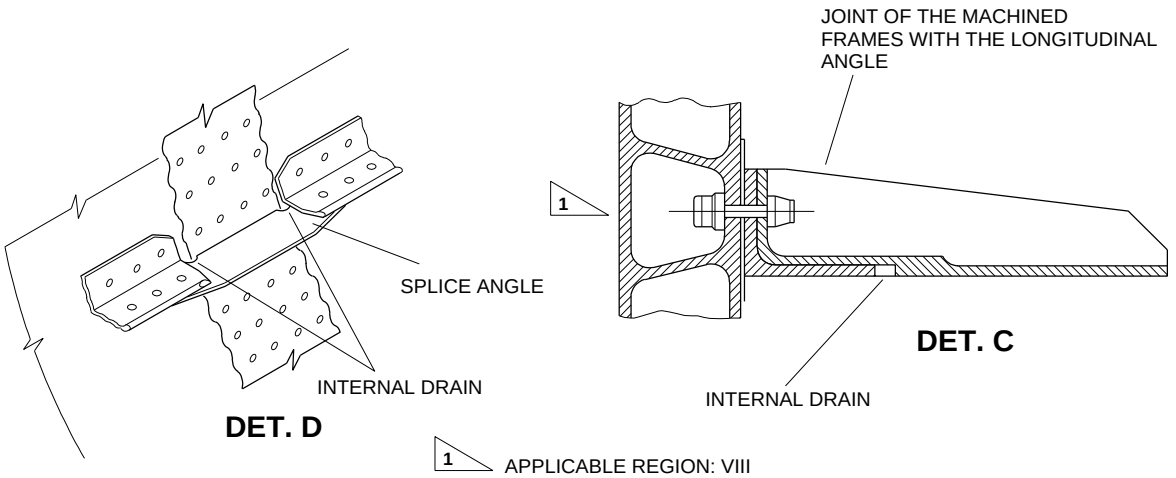
EFFECTIVITY: ACFT MODEL(S) EMB-135
Internal-Drain Inspection Areas at Splice Angles
Figure 305





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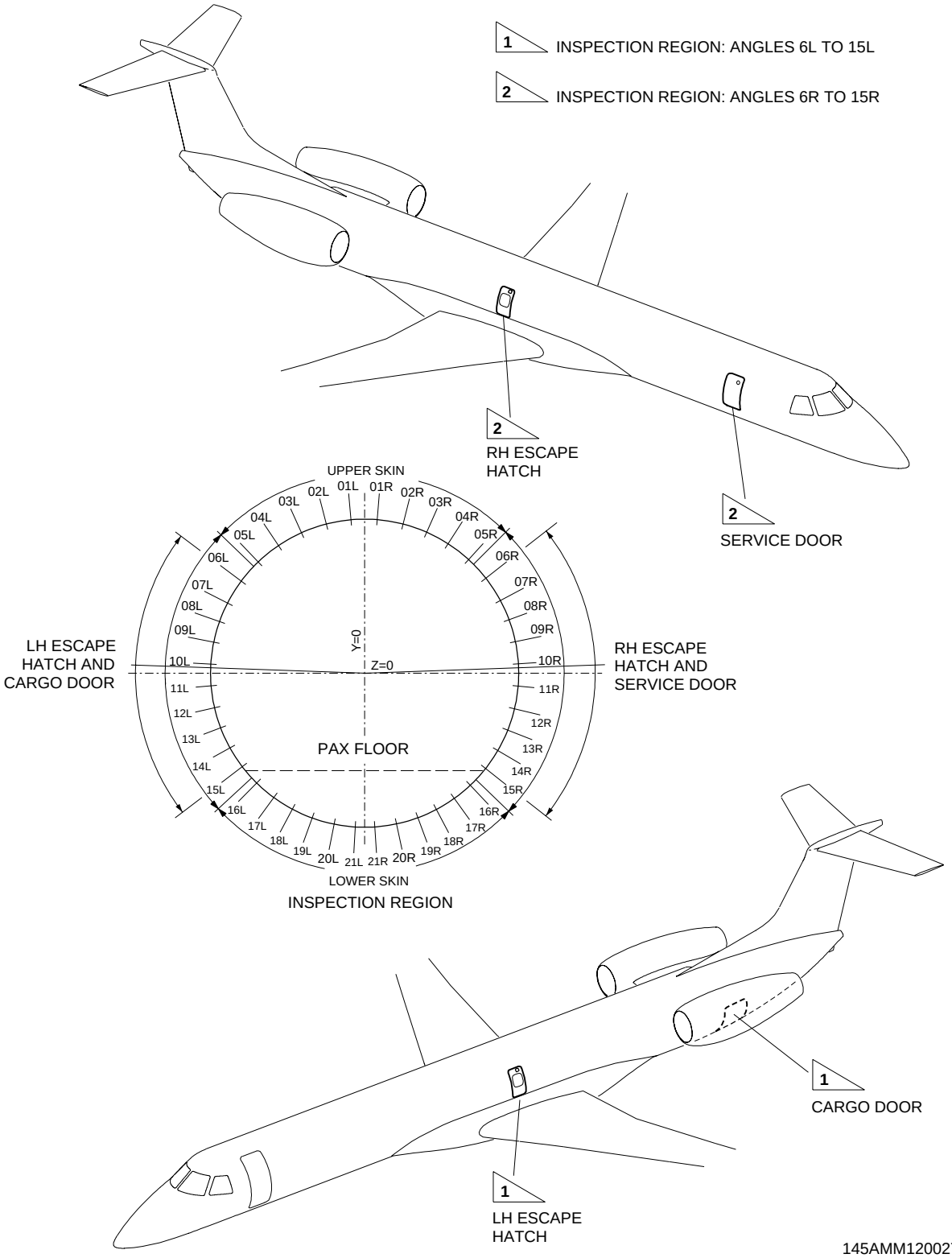
EFFECTIVITY: ACFT MODEL(S) EMB-135

Internal-Drain Inspection Areas on Cargo Door, Service Door, and Escape Hatch Frames
Figure 306



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