



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

PITOT-STATIC SYSTEM - SERVICING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to drain the pitot lines.
- B. 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
34-13-00-680-801-A ♦	PITOT-STATIC SYSTEM - DRAIN	ALL



# AIRCRAFT MAINTENANCE MANUAL

TASK 34-13-00-680-801-A

EFFECTIVITY: ALL

## 2. PITOT-STATIC SYSTEM - DRAIN

### A. General

- (1) The pitot lines have two drain points: in the nose-landing-gear compartment (PRE-MOD S.B. 145-34-0070) or in the electronic compartment (POST-MOD S.B. 145-34-0070).

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 34-13-00-790-802-A/500	PITOT-STATIC SYSTEM 1 - LEAKAGE TEST
AMM TASK 34-13-00-790-803-A/500	PITOT-STATIC SYSTEM 2 - LEAKAGE TEST
S.B.145-34-0021	-
S.B.145-34-0070	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113		LH Nose-landing-gear compartment
114		RH Nose-landing-gear compartment
213	113CZ	Electronic compartment - LH upper side
214	113CZ	Electronic compartment - RH upper side

### D. Tools and Equipment

Not Applicable

### 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	Nose-landing-gear compartment or Electronic compartment

### I. Preparation

#### SUBTASK 841-002-A

- (1) Make sure that the nose-landing-gear safety pin is installed.



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- (2) (POST-MOD [S.B.145-34-0070](#)) Open access door 113CZ (AMM MPP 06-41-01/100).

J. Drain Pitot Lines ([Figure 301](#)) ([Figure 302](#)) ([Figure 303](#))

SUBTASK 680-002-A

- (1) NOTE: Do this test only with the ambient temperature above zero degrees Celsius.
  - (2) (PRE-MOD [S.B.145-34-0021](#) and PRE-MOD S.B. 145-34-0070) Drain the pitot lines as follows:
    - (a) Loosen the nuts of the left and right drains.
    - (b) Drain the pitot lines.
    - (c) Attach the nuts.
  - (3) (POST-MOD [S.B.145-34-0021](#) and PRE-MOD S.B. 145-34-0070) Drain the pitot lines as follows:
    - (a) Push and turn the quick-disconnect drain-port cover counterclockwise.
    - (b) Install and push the drain-port cover pin into the drain port until there is no water in the clear PVC hose.
    - (c) Install the quick-disconnect drain-port cover.
  - (4) (POST-MOD [S.B.145-34-0070](#)) Drain the pitot lines as follows:
    - (a) Loose the two Dzus fasteners.
    - (b) Put the drain outside the electronic compartment.
    - (c) Push and turn the quick-disconnect drain-port cover counterclockwise.
    - (d) Install and push the drain-port cover pin into the drain port until there is no water in the clear PVC hose.
    - (e) Install the quick-disconnect drain-port cover.
    - (f) Put the drain in position.
- CAUTION: IT IS IMPORTANT THAT THE TWO DZUS FASTENERS ARE TIGHTENED TO PREVENT DAMAGE TO THE SYSTEM.**
- (g) Tighten the two Dzus fasteners.

K. Follow-on

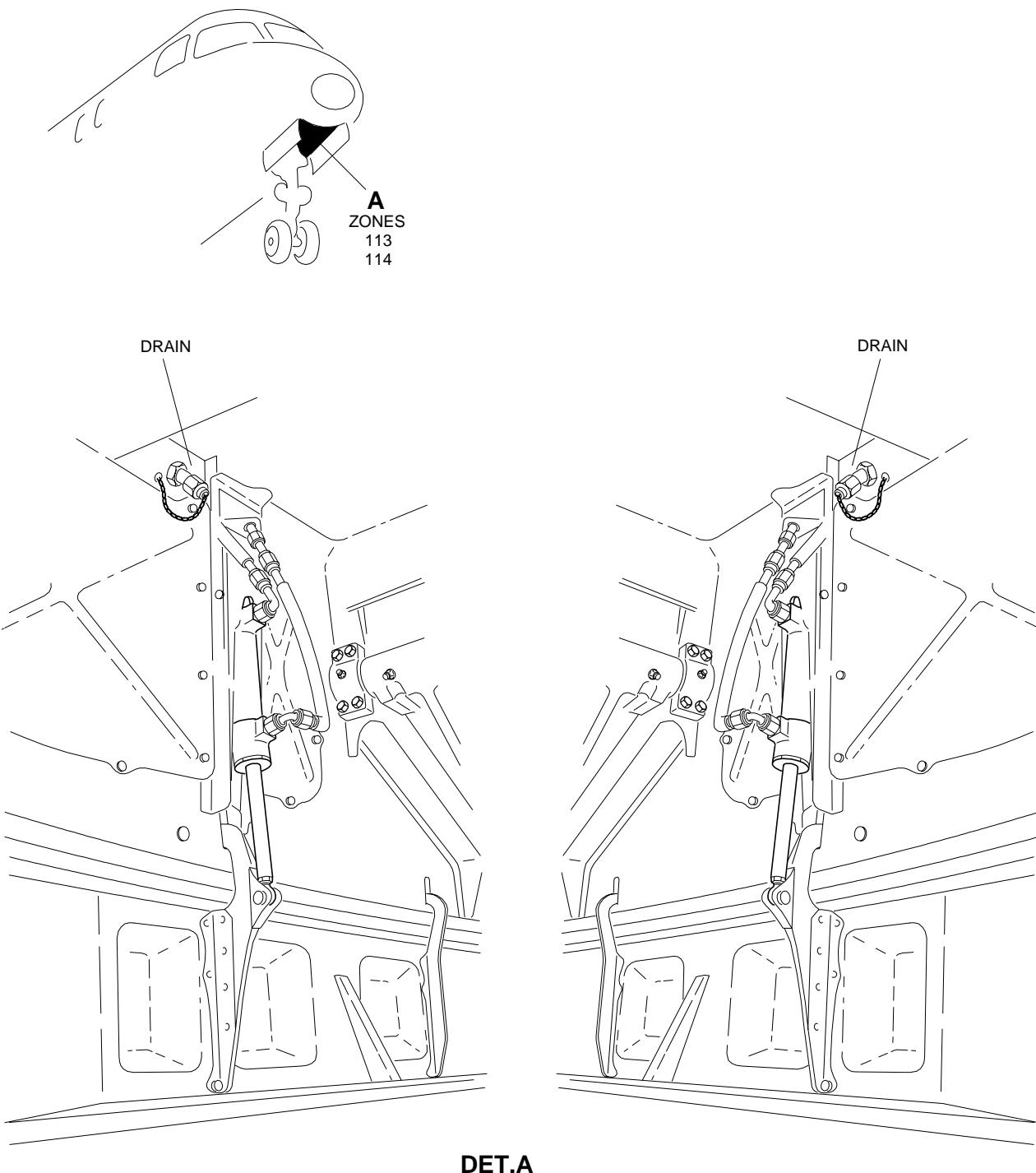
SUBTASK 842-002-A

- (1) (PRE-MOD [S.B.145-34-0021](#)) Do the Pitot/static System 1 leakage test ( [AMM TASK 34-13-00-790-802-A/500](#)) for the system 1 drain or the Pitot/static System 2 leakage test ( [AMM TASK 34-13-00-790-803-A/500](#)) for the system 2 drain.
- (2) (POST-MOD [S.B.145-34-0070](#)) Close access door 113CZ (AMM MPP 06-41-01/100).

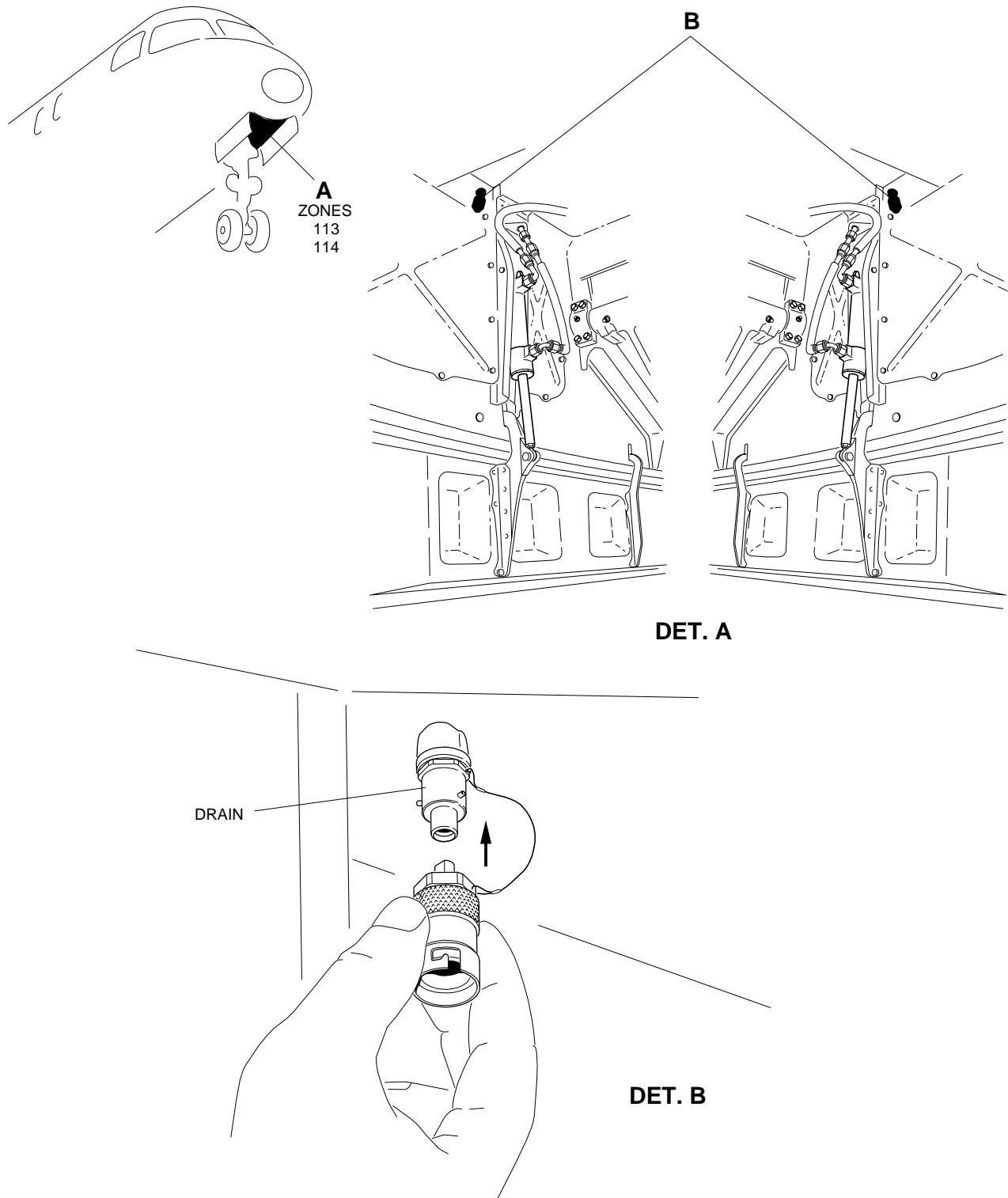
**EFFECTIVITY: PRE-MOD S.B. 145-34-0021**

Draining of the Pitot Lines

Figure 301



**EFFECTIVITY: POST-MOD S.B. 145-34-0021 AND PRE-MOD S.B. 145-34-0070**  
 Draining of the Pitot Lines  
 Figure 302

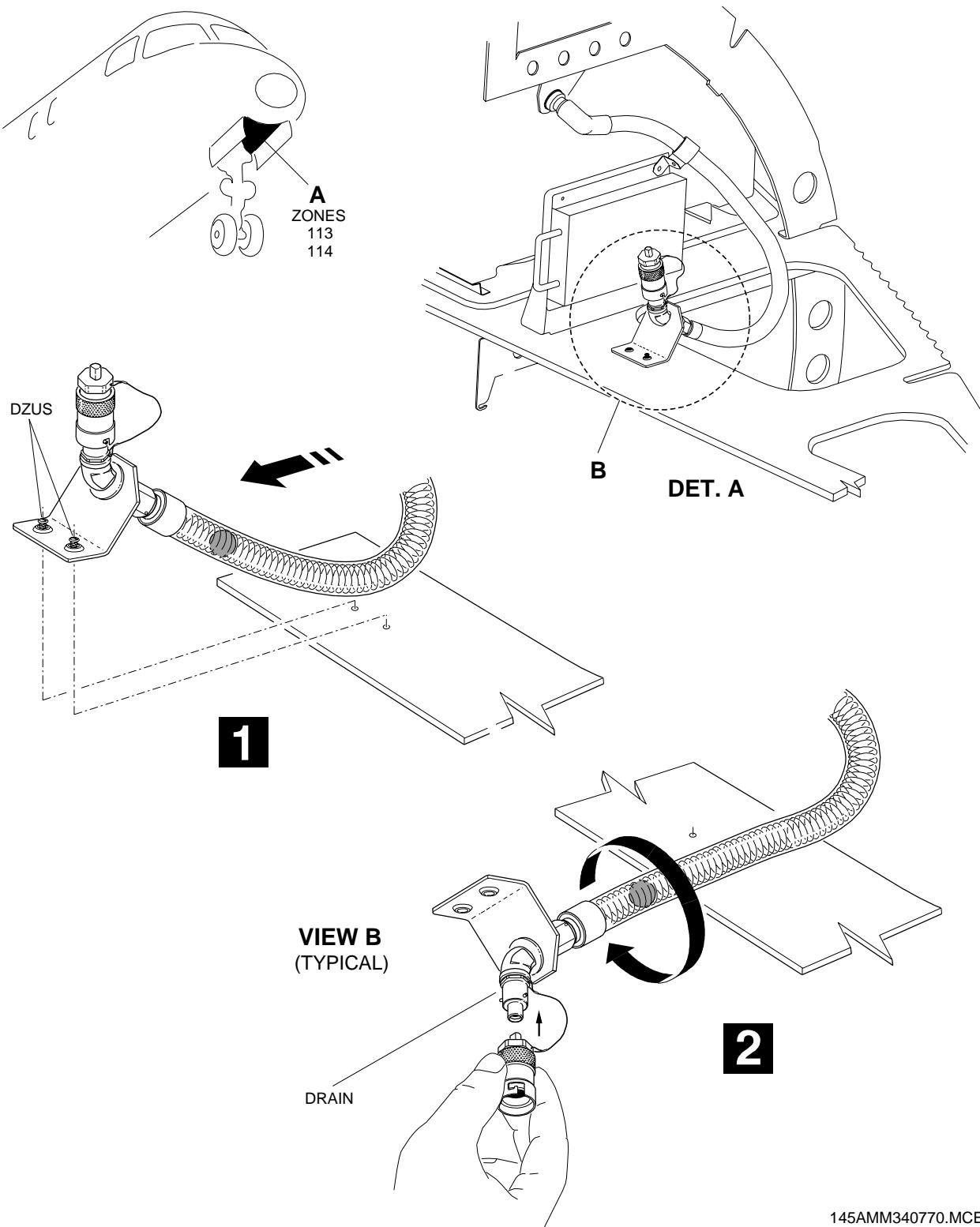


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**EFFECTIVITY: POST-MOD S.B. 145-34-0070**

Draining of the Pitot Lines

Figure 303



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