



AIRCRAFT MAINTENANCE MANUAL

DRAIN MAST ASSEMBLY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the drain mast assembly.
- B. These procedures are applicable to the LH and RH nacelles.
- 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
71-12-04-000-801-A	DRAIN MAST ASSEMBLY - REMOVAL	ALL
71-12-04-400-801-A	DRAIN MAST ASSEMBLY - INSTALLATION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 71-12-04-000-801-A

EFFECTIVITY: ALL

2. DRAIN MAST ASSEMBLY - REMOVAL

A. General

- (1) Obey the instructions below to remove the drain mast assembly.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower cowling	LH engine
423	Lower cowling	RH engine

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	1

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine nacelle

H. Preparation

SUBTASK 841-002-A

- (1) Put the workstand in position to get access to the engine nacelle.

I. Removal ([Figure 401](#))

SUBTASK 020-002-A

WARNING: • DO NOT TOUCH THE ENGINE COMPONENTS UNTIL THEY ARE COOL.
TEMPERATURE CAN STAY HOT AFTER THE ENGINE STOPS.

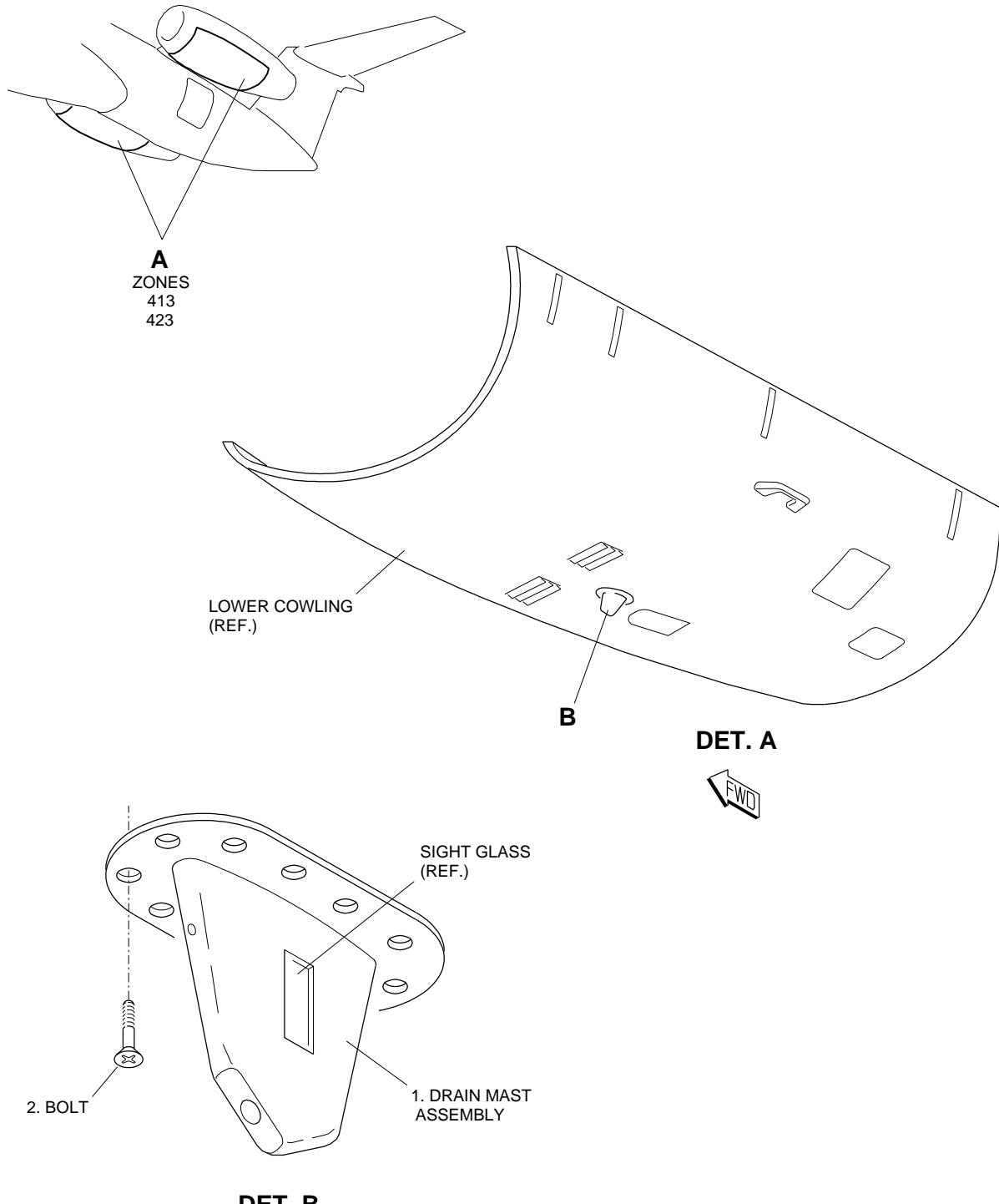
• BE CAREFUL WITH THE HIGH TEMPERATURE OF THE OIL.

- (1) Remove the bolts (2).
(2) Release the drain mast assembly (1).

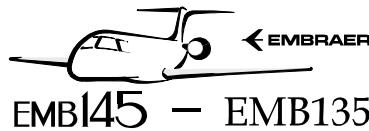
EFFECTIVITY: ALL

Drain Mast Assembly - Removal/Installation

Figure 401


DET. B

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MAINTENANCE MANUAL

TASK 71-12-04-400-801-A

EFFECTIVITY: ALL

3. DRAIN MAST ASSEMBLY - INSTALLATION

A. General

(1) Obey the instructions below to install the drain mast assembly.

B. References

REFERENCE	DESIGNATION
CPM 51-21-07	-
SRM 51-10-01	-
SRM 51-20-01	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower cowling	LH engine
423	Lower cowling	RH engine

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-PRF-81733, Type IV - CLASS 1	Interface Sealant PS 870 C-12	AR
MIL-PRF-81733, Type II - CLASS B	Aerodynamic Sealant PR-2050 B-1/2	AR
Super strong soft-917	Absorbent lint-free cloth	AR
ASTM-D-740	Methyl ethyl ketone	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine nacelle



I. Preparation

SUBTASK 841-003-A

WARNING: • WEAR SAFETY GOGGLES.

- WEAR PROTECTIVE CLOTHING.
- DO NOT LET CLEANING AGENTS TOUCH YOUR SKIN, EYES, AND MOUTH.
- WORK IN AN AREA THAT HAS A GOOD AIR FLOW.
- OBEY THE MANUFACTURER'S INSTRUCTIONS.
- GET MEDICAL AID IF IRRITATION OCCURS.
- CLEANING AGENTS CAN CAUSE INJURIES.

- (1) Clean the area with a lint-free cloth soaked in methyl ethyl ketone.

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Apply interface sealant PS 870 C-12 to the drain mast assembly and put it in position on the nacelle surface.

NOTE: Refer to SRM 51-20-01 for sealants and sealing procedures.

- (2) Wet-install the bolts (2) with interface sealant PS 870 C-12.

NOTE: Refer to SRM 51-20-01 for sealants and sealing procedures.

- (3) Apply the aerodynamic sealant PR-2050 B-1/2 to the external part of the drain mast assembly (1).

NOTE: Refer to SRM 51-10-01 for Aerodynamic Smoothness Requirements.

K. Follow-on

SUBTASK 842-002-A

- (1) Restore the original finish of the area according to CPM 51-21-07 (External Finish Repairs).

- (2) Remove the workstand from the work area.

