



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

DRAIN MAST ASSEMBLY - REPAIR

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to repair the drain mast assembly sight glass.
- 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
71-12-04-300-801-A	DRAIN MAST ASSEMBLY - REPAIR	ALL



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TASK 71-12-04-300-801-A

EFFECTIVITY: ALL

2. DRAIN MAST ASSEMBLY - REPAIR

A. General

- (1) Obey the instructions that follow to repair the drain mast assembly sight glass.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-12-04-000-801-A/400	DRAIN MAST ASSEMBLY - REMOVAL
AMM TASK 71-12-04-400-801-A/400	DRAIN MAST ASSEMBLY - INSTALLATION

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	Clean fabric	To clean the mating surfaces of the drain mast and sight glass	1
Commercially available	Spatula	To clean the mating surfaces of the drain mast and sight glass	1
Commercially available	Workstand	To get access to the work area	1
Commercially available	Sandpaper 180	To clean the mating surfaces	AR

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
FED. SPEC. TT-I-735	Isopropyl Alcohol	AR
ASTM-D-740	Methyl Ethyl Ketone (MEK) (alternative to Isopropyl Alcohol)	AR
RTV 732	Adhesive sealant	AR
MIL-C-5541	Alodine 1200S	AR
MEP 10-060	Epoxy Primer	AR

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine nacelle

I. Preparation

SUBTASK 841-002-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 drain mast assembly. Refer to [AMM TASK 71-12-04-000-801-A/400](#).

J. Repair

SUBTASK 340-002-A

- (1) Remove the damaged or loose sight glass and all original adhesive from the drain mast assembly.
- (2) Sand the mating surfaces of the drain mast and sight glass with water proof sanding paper no. 180. Make sure that the primer coating was not removed. If it is, restore protection scheme:
- (a) Alodize the area to be restored. Refer to CPM 51-21-04.
- (b) Apply epoxy primer. Refer to CPM 51-21-05.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA. ALWAYS OBEY THE MANUFACTURER'S HEALTH AND SAFETY PRECAUTIONS WHEN YOU USE SOLVENTS.

- (3) Clean the faying surfaces of the drain mast and the sight glass with a clean cloth moist with isopropyl alcohol, methyl ethyl ketone, or similar solvent. Before solvent evaporation, rub the surfaces dry with a dry clean cloth.
- (4) Apply RTV732 (MIL-A-46146) adhesive to the mating surfaces with a spatula or brush with its end cut off.
- (5) Assemble the parts and apply pressure during the adhesive cure.

K. Follow-on

SUBTASK 842-002-A

- (1) Install the drain mast assembly. Refer to [AMM TASK 71-12-04-400-801-A/400](#).

