



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

POWERPLANT - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to clean the external surfaces of the engine.
- B. These procedures are applicable to the LH and RH engines.
- 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
71-00-00-100-801-A	ENGINE - CLEANING	ALL



AIRCRAFT MAINTENANCE MANUAL

TASK 71-00-00-100-801-A

EFFECTIVITY: ALL

2. ENGINE - CLEANING

A. General

- (1) This task gives you the recommended cleaning solutions and procedures to use after fire extinguishing agents are used in an engine. Some of the extinguishing agents can cause corrosion to the engine components.
- (2) To clean the external surfaces of the engine, refer to the instructions in Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-11-01-000-801-A/400	ENGINE UPPER COWLING - REMOVAL
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	Upper cowling	LH Engine
422	Upper cowling	RH Engine
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 engine	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Preparation

SUBTASK 841-002-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
 - START 1/2.
 - ENG AIR INLET 1/2.
 - THRUST REVERSER 1/2.
 - FADEC 1A/2A.
 - FADEC 1B/2B.
 - START 1/2 - Open.
- (2) Put the work stand in the work area.
- (3) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)) to get access to the engine.

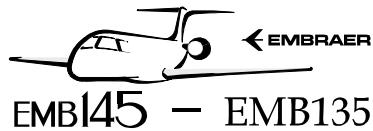
J. Clean the External Surfaces of the Engine

SUBTASK 110-002-A

WARNING: • USE THE SOLVENT EMULSION IN AN AREA WITH A GOOD FLOW OF AIR. DO NOT PERMIT IT TO TOUCH YOUR SKIN FOR A LONG TIME. WEAR CORRECT PROTECTION FOR YOUR HANDS AND EYES.

- DO NOT USE GASOLINE OR OTHER TOXIC SUBSTANCES TO CLEAN THE ENGINE.
- DO NOT FLUSH AN ENGINE IMMEDIATELY AFTER ITS OPERATION. LET ITS TEMPERATURE DECREASE FOR A MINIMUM OF 60 MINUTES.
- DO NOT LET THE SOLVENT EMULSION CONTACT RUBBER, PLASTIC, OR FIBERGLASS PARTS OF THE ENGINE.
- COVER THE ENGINE MOUNT ASSEMBLIES WHEN THE ENGINE IS CLEANED TO PREVENT CONTAMINATION BY THE SOLVENT EMULSION. IF CLEANING FLUIDS TOUCH THE RUBBER PARTS OF THE MOUNTS, WIPE THEM WITH A CLEAN, DRY, LINT-FREE CLOTH.

- (1) Clean the external surfaces of the engine. Refer to the last revision of Rolls-Royce MM CSP 34022.



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K. Follow-on

SUBTASK 842-002-A

- (1) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).
- (2) Remove the work stand.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
 - START 1/2.
 - ENG AIR INLET 1/2.
 - THRUST REVERSER 1/2.
 - FADEC 1A/2A.
 - FADEC 1B/2B.
 - START 1/2 - Open.