

PERMANENT MAGNET ALTERNATOR (PMA) - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to remove/install the PMA.
- 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
74-11-01-000-801-A	PMA - REMOVAL	ALL
74-11-01-400-801-A	PMA - INSTALLATION	ALL

TASK 74-11-01-000-801-A

EFFECTIVITY: ALL

2. PMA - REMOVAL

A. General

- (1) To do this task, refer to the instructions given in the latest revision of the Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-12-01-000-801-A/400	ENGINE LOWER COWLING - OPENING

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 engine	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Accessory drive gearbox

I. Preparation

SUBTASK 841-002-A

WARNING: MAKE SURE THE ENGINE START/STOP SWITCH IS IN THE “STOP” POSITION TO PREVENT AN ACCIDENTAL ENGINE OPERATION.

- (1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

– POWERPLANT START 1/2.

- (2) Open the lower cowling ([AMM TASK 71-12-01-000-801-A/400](#)).

J. Removal

SUBTASK 020-002-A

WARNING: THE IGNITION SYSTEM VOLTAGE IS DANGEROUSLY HIGH AND CAN KILL OR CAUSE INJURY TO PERSONS. MAKE SURE THAT THE IGNITION SYSTEM IS SET TO OFF FOR A MINIMUM OF SIX (6) MINUTES, BEFORE YOU START THE WORK ON THE IGNITION SYSTEM COMPONENTS.

- (1) Remove the PMA. Refer to the latest revision of the Rolls-Royce MM CSP 34022.

TASK 74-11-01-400-801-A

EFFECTIVITY: ALL

3. PMA - INSTALLATION

A. General

- (1) To do this task, refer to the instructions given in the latest revision of the Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-12-01-400-801-A/400	ENGINE LOWER COWLING - CLOSING

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 PMA	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Accessory drive gearbox

I. Installation

SUBTASK 420-002-A

- (1) Install the PMA. Refer to the latest revision of the Rolls-Royce MM CSP 34022.

J. Follow-on

SUBTASK 842-002-A

- (1) Remove the DO-NOT-CLOSE tags and close these circuit breakers.
- POWERPLANT START 1/2.

- (2) Remove the Workstand.
- (3) Close the lower cowling ([AMM TASK 71-12-01-400-801-A/400](#)).

