



AIRCRAFT MAINTENANCE MANUAL

THERMOCOUPLE HARNESS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the thermocouple harness.
- 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
77-21-02-000-801-A	THERMOCOUPLE HARNESS - REMOVAL	ALL
77-21-02-400-801-A	THERMOCOUPLE HARNESS - INSTALLA- TION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 77-21-02-000-801-A

EFFECTIVITY: ALL

2. THERMOCOUPLE HARNESS - REMOVAL

A. General

- (1) The engine has two thermocouple harness (A and B).
- (2) To remove the thermocouple harness, obey 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 71-12-01-000-802-A/400	ENGINE LOWER COWLING - REMOVAL
Rolls-Royce MM CSP 34022	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower cowling	LH Engine
423	Lower cowling	RH Engine
412	Upper cowling	LH Engine
422	Upper 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
2	Do the task	Engine



AIRCRAFT
MAINTENANCE MANUAL

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 THE PERSONS AND DAMAGE TO THE MATERIAL.

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them.
 - START 1/2.
- (2) Put the workstand in the work area.
- (3) Remove the lower cowling ([AMM TASK 71-12-01-000-802-A/400](#)).
- (4) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)).

J. Removal

SUBTASK 020-002-A

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



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 77-21-02-400-801-A

EFFECTIVITY: ALL

3. THERMOCOUPLE HARNESS - INSTALLATION

A. General

- (1) To install the thermocouple harness, obey the instructions in Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION
AMM TASK 71-12-01-400-802-A/400	ENGINE LOWER COWLING - INSTALLATION
Rolls-Royce MM CSP 34022	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower cowling	LH Engine
423	Lower cowling	RH Engine
412	Upper cowling	LH Engine
422	Upper 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
2	Do the task	Engine

I. Installation

SUBTASK 420-002-A

- (1) Install the thermocouple harness. Refer to the last revision of Rolls-Royce MM CSP 34022.



AIRCRAFT
MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-002-A

- (1) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).
- (2) Install the lower cowling ([AMM TASK 71-12-01-400-802-A/400](#)).
- (3) Remove the workstand.
- (4) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them.
 - START 1/2.
- (5) Refer to the Rolls-Royce MM CSP 34022 to do the related check procedures after an engine LRU maintenance procedure, as applicable.

