



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

COMPRESSOR-INLET-TEMP SENSOR (T2.5) - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the compressor-inlet-temperature (T2.5) sensor.
- 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
75-41-01-000-801-A	COMPRESSOR-INLET-TEMPERATURE (T2.5) SENSOR - REMOVAL	ALL
75-41-01-400-801-A	COMPRESSOR-INLET-TEMPERATURE (T2.5) SENSOR - INSTALLATION	ALL



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TASK 75-41-01-000-801-A

EFFECTIVITY: ALL

2. COMPRESSOR-INLET-TEMPERATURE (T2.5) SENSOR - REMOVAL

A. General

- (1) To remove the compressor-inlet-temperature (T2.5) sensor, obey the instructions in Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
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
AMM TASK 71-13-01-000-801-A/400	NACELLE APRON - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower cowling	LH Engine
423	Lower cowling	RH Engine
414	Upper cowling	LH Engine
424	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 work area

I. Preparation

SUBTASK 841-002-A

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



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- (1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
 - POWERPLANT START 1/2.
- (2) Remove the lower cowling ([AMM TASK 71-12-01-000-802-A/400](#)).
- (3) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)).
- (4) Remove the nacelle apron ([AMM TASK 71-13-01-000-801-A/400](#)).

J. Removal

SUBTASK 020-002-A

- (1) Remove the compressor-inlet-temperature (T2.5) sensor. Refer to the last revision of Rolls-Royce MM CSP 34022.



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TASK 75-41-01-400-801-A

EFFECTIVITY: ALL

3. COMPRESSOR-INLET-TEMPERATURE (T2.5) SENSOR - INSTALLATION

A. General

- (1) To install the compressor-inlet-temperature (T2.5) sensor, 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
AMM TASK 71-13-01-400-801-A/400	APRON - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower cowling	LH Engine
423	Lower cowling	RH Engine
414	Upper cowling	LH Engine
424	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 work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
2	Do the task	Engine work area

I. Installation

SUBTASK 420-002-A

- (1) Install the compressor-inlet-temperature (T2.5) sensor. Refer to the last revision of Rolls-Royce MM CSP 34022.



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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) Install the nacelle apron ([AMM TASK 71-13-01-400-801-A/400](#)).
- (4) Remove the Workstand.
- (5) Remove the DO-NOT-CLOSE tags and close the applicable circuit breakers.
 - POWERPLANT START 1/2.

