

## N2 SPEED SENSOR - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedure to remove/install the N2 speed 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
77-11-01-000-801-A	N2 SPEED SENSOR - REMOVAL	ALL
77-11-01-400-801-A	N2 SPEED SENSOR - INSTALLATION	ALL

TASK 77-11-01-000-801-A

EFFECTIVITY: ALL

## 2. N2 SPEED SENSOR - REMOVAL

### A. General

- (1) Each engine has two N2 speed sensors installed on the accessory gearbox.
- (2) To remove the N2 speed sensor, obey the instructions in Rolls-Royce MM CSP 34022.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 71-00-00/200</a>	- MAINTENANCE PRACTICES
<a href="#">AMM TASK 71-12-01-000-801-A/400</a>	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	Work Stand	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 THE PERSONS AND DAMAGE TO THE MATERIAL.

- BEFORE YOU OPEN THE N2 CIRCUIT BREAKERS AND TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL, MAKE SURE THAT THE SENSORS PITOT 1 - TAT 1/AOA 1, PITOT 3, AND PITOT 2 - TAT 2/AOA 2, ON THE OVERHEAD PANEL, ARE SET TO OFF.
- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them.
    - START 1/2.
    - N2 SIGNAL 1A/2A/1B/2B.
  - (2) Put the work stand in the work area.
  - (3) Open the lower cowling ( [AMM TASK 71-12-01-000-801-A/400](#)).

J. Removal

*SUBTASK 020-002-A*

- (1) Remove the N2 speed sensor. Refer to the last revision of Rolls-Royce MM CSP 34022.

TASK 77-11-01-400-801-A

EFFECTIVITY: ALL

3. N2 SPEED SENSOR - INSTALLATION

A. General

(1) To install the N2 speed sensor, obey the instructions in Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 71-12-01-400-801-A/400</a>	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	Work Stand	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. Installation

**SUBTASK 420-002-A**

(1) Install the N2 speed sensor. Refer to the last revision of Rolls-Royce MM CSP 34022.

J. Follow-on

**SUBTASK 842-002-A**

(1) Close the lower cowling ( [AMM TASK 71-12-01-400-801-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.
  - N2 SIGNAL 1A/2A/1B/2B.
- (4) Refer to the Rolls-Royce MM CSP 34022 to do the related check procedures after an engine LRU maintenance procedure, as applicable.

