

LOW OIL PRESSURE SENSOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for removal/installation and deactivation/reactivation of the low-oil-pressure sensor.
- B. 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
79-32-01-000-801-A	LOW-OIL-PRESSURE SENSOR - REMOV- AL	ALL
79-32-01-400-801-A	LOW-OIL-PRESSURE SENSOR - INSTAL- LATION	ALL
79-32-01-040-801-A	LOW-OIL-PRESSURE SENSOR - DEACTI- VATION	ALL
79-32-01-440-801-A	LOW-OIL-PRESSURE SENSOR - REACTI- VATION	ALL

TASK 79-32-01-000-801-A

EFFECTIVITY: ALL

2. LOW-OIL-PRESSURE SENSOR - REMOVAL

A. General

- (1) To remove the low-oil-pressure sensor, obey the instructions in Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-12-01-000-801-A/400	ENGINE LOWER COWLING - OPENING
Rolls-Royce MM CSP 34022 Task 79-33-10-000-801	-

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	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.

- (1) On the circuit breaker panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them.
 - START 1/2.
- (2) Put the workstand 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 low-oil-pressure sensor. Refer to the latest revision of Rolls-Royce MM CSP 34022 Task 79-33-10-000-801.

TASK 79-32-01-400-801-A

EFFECTIVITY: ALL

3. LOW-OIL-PRESSURE SENSOR - INSTALLATION

A. General

(1) To install the low-oil-pressure sensor, obey the instructions in Rolls-Royce MM CSP 34022.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-12-01-400-801-A/400	ENGINE LOWER COWLING - CLOSING
Rolls-Royce MM CSP 34022 Task 72-00-00-700-801	-
Rolls-Royce MM CSP 34022 Task 79-33-10-400-801	-

C. Zones and Accesses

Not Applicable

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. Installation

SUBTASK 420-002-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) Install the low-oil-pressure sensor. Refer to the latest revision of Rolls-Royce MM CSP 34022 Task 79-33-10-400-801.

J. Follow-on

SUBTASK 842-002-A

- (1) Close the lower cowling ([AMM TASK 71-12-01-400-801-A/400](#)).
- (2) Remove the workstand.
- (3) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them.
 - START 1/2.
- (4) Refer to the Rolls-Royce MM CSP 34022 Task 72-00-00-700-801 to do the related check procedures after an engine LRU maintenance procedure, as applicable.

TASK 79-32-01-040-801-A

EFFECTIVITY: ALL

4. LOW-OIL-PRESSURE SENSOR - DEACTIVATION

A. General

- (1) This procedure is applicable to the left and right engines.
- (2) This procedure refers to item 79-32-01 - LOW OIL PRESSURE SWITCHES of the DDPM.
- (3) It is permitted to operate the aircraft with one low-oil-pressure sensor inoperative if the related oil pressure, temperature, and quantity indications operate normally and are monitored during all the flight.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

H. Deactivation Procedure

SUBTASK 040-002-A

- (1) Install the "E1 (or E2) OIL LOW PRESS MESSAGE INOP" placard to the EICAS bezel.

TASK 79-32-01-440-801-A

EFFECTIVITY: ALL

5. LOW-OIL-PRESSURE SENSOR - REACTIVATION

A. General

- (1) This procedure is applicable to the left and right engines.
- (2) This procedure refers to item 79-32-01 - LOW OIL PRESSURE SWITCHES of the DDPM.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-12-01-000-801-A/400	ENGINE LOWER COWLING - OPENING
AMM TASK 71-12-01-400-801-A/400	ENGINE LOWER COWLING - CLOSING
Rolls-Royce MM CSP 34022 Task 79-33-10-700-801	-
WM 79-30-50	-
WM 79-30-51	-

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	Cockpit and engine

I. Reactivation procedure

SUBTASK 440-002-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 these circuit breakers and attach a DO-NOT-CLOSE tag to them:
 - START 1/2.
- (2) Put the workstand in the work area.
- (3) Open the lower cowling ([AMM TASK 71-12-01-000-801-A/400](#)) to get access to the engine.
- (4) For the engine 1 (left nacelle), do a check for continuity between these pins (WM 79-30-50):
 - Pin A of connector P10 and pin E of connector P1
 - Pin C of connector P10 and pin F of connector P1
 - Pin F of connector 1J0822 and pin A-24 of connector J1018
 - Pin E of connector 1J0822 and the ground
- (5) For the engine 2 (right nacelle), do a check for continuity between these pins (WM 79-30-51):
 - Pin A of connector P10 and pin E of connector P1
 - Pin C of connector P10 and pin F of connector P1
 - Pin F of connector 2J0822 and pin A-26 of connector J1020
 - Pin E of connector 2J0822 and the ground
- (6) Do the test of the low-oil-pressure sensor (Rolls-Royce MM CSP 34022 Task 79-33-10-700-801).
- (7) Close the lower cowling ([AMM TASK 71-12-01-400-801-A/400](#)).
- (8) Remove the workstand from the work area.
- (9) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them:
 - START 1/2.
- (10) Remove the "E1 (or E2) OIL LOW PRESS MESSAGE INOP" placard from the EICAS bezel.