



AIRCRAFT MAINTENANCE MANUAL

OIL LEVEL SENSOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for removal/installation and deactivation/reactivation of the oil level 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
79-33-01-000-801-A	OIL LEVEL SENSOR - REMOVAL	ALL
79-33-01-400-801-A	OIL LEVEL SENSOR - INSTALLATION	ALL
79-33-01-040-801-A	OIL LEVEL SENSOR - DEACTIVATION	ALL
79-33-01-440-801-A	OIL LEVEL SENSOR - REACTIVATION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 79-33-01-000-801-A

EFFECTIVITY: ALL

2. OIL LEVEL SENSOR - REMOVAL

A. General

- (1) To remove the oil level 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 79-35-20-000-801	-

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.



AIRCRAFT MAINTENANCE MANUAL

- START 1/2.

- (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 oil level sensor. Refer to the latest revision of Rolls-Royce MM CSP 34022 Task 79-35-20-000-801.

TASK 79-33-01-400-801-A
EFFECTIVITY: ALL
3. OIL LEVEL SENSOR - INSTALLATION
A. General

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

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
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 79-35-20-400-801	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Workstand	To get access to the engine	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
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 oil level sensor. Refer to the latest revision of Rolls-Royce MM CSP 34022 Task 79-35-20-400-801.



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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 the circuit breakers below 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.



AIRCRAFT
MAINTENANCE MANUAL

TASK 79-33-01-040-801-A

EFFECTIVITY: ALL

4. OIL LEVEL SENSOR - DEACTIVATION

A. General

- (1) This procedure is applicable to the left and right engines.
- (2) This procedure refers to item 79-33-01 - OIL LEVEL INDICATION SYSTEMS of the DDPM.
- (3) It is permitted to operate the aircraft with one oil level indicating system inoperative if the related oil pressure and temperature indications and OIL LOW PRESS message operate normally and oil is serviced at each flight day.

B. References

REFERENCE	DESIGNATION
AMM TASK 12-12-01-600-801-A/300	ENGINE - SERVICING

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit and engine

I. Deactivation Procedure

SUBTASK 040-002-A

- (1) Do the oil servicing ([AMM TASK 12-12-01-600-801-A/300](#)).
- (2) Install the "OIL1 (or 2) IND INOP" placard to the EICAS bezel.



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 79-33-01-440-801-A

EFFECTIVITY: ALL

5. OIL LEVEL SENSOR - REACTIVATION

A. General

- (1) This procedure is applicable to the left and right engines.
- (2) This procedure refers to item 79-33-01 - OIL LEVEL INDICATION SYSTEMS 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 79-35-20-700-801	-
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 P9 and pin P# of connector P1
 - Pin F of connector P9 and pin R# of connector P1
 - Pin C of connector P9 and pin Q# of connector P1
 - Pin P# of connector 1J0822 and pin 62 of connector J0877
 - Pin R# of connector 1J0822 and pin 63 of connector J0877
 - Pin Q# of connector 1J0822 and pin 44 of connector J0877
 - Pin 62 of connector P0877 and pin B-71 of connector J1019
 - Pin 63 of connector P0877 and pin B-73 of connector J1019
 - Pin 44 of connector P0877 and pin B-72 of connector J1019
- (5) For the engine 2 (right nacelle), do a check for continuity between these pins (WM 79-30-51):
 - Pin A of connector P9 and pin P# of connector P1
 - Pin F of connector P9 and pin R# of connector P1
 - Pin C of connector P9 and pin Q# of connector P1
 - Pin P# of connector 2J0822 and pin B-71 of connector J1018
 - Pin R# of connector 2J0822 and pin B-73 of connector J1018
 - Pin Q# of connector 2J0822 and pin B-72 of connector J1018
- (6) Do the test of the oil level sensor (Rolls-Royce MM CSP 34022 Task 79-35-20-700-801).
- (7) Close the lower cowling ([AMM TASK 71-12-01-400-801-A/400](#)).
- (8) Remove the workstand from the work area.



AIRCRAFT
MAINTENANCE MANUAL

- (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 "OIL1 (or 2) IND INOP" placard from the EICAS bezel.

