



AIRCRAFT  
MAINTENANCE MANUAL

OIL QUALITY - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to do the operational check of the oil-filter impending-bypass system.
- 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
79-37-00-700-801-A ♦	OIL-FILTER IMPENDING-BYPASS SYSTEM - FUNCTIONAL CHECK	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 79-37-00-700-801-A

EFFECTIVITY: ALL

2. OIL-FILTER IMPENDING-BYPASS SYSTEM - FUNCTIONAL CHECK

A. General

- (1) Obey the instructions below to do the functional check of the oil-filter impending-bypass system.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
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	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413		LH Engine lower cowling
423		RH Engine lower cowling

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 050	Multimeter Digital	To measure voltage	

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/Cockpit



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 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) Energize the aircraft with External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (3) Put the workstand in the work area.
- (4) Open the lower cowling ([AMM TASK 71-12-01-000-801-A/400](#)).

J. Functionally Check Oil Filter Impending Bypass Indicating System (Figure 501)

SUBTASK 720-002-A

- (1) Do the check as follows:
  - (a) Disconnect the electrical connector (2) from indicator (3), and stop for 10 seconds minimum.  
Result:  
1 The EICAS display shows the E1/E2 OIL IMP BYP advisory message.
  - (b) Connect the electrical connector (2) to the indicator (3).  
Result:  
1 On the EICAS display, the E1/E2 OIL IMP BYP advisory message goes out of view.
- (2) Do the electrical test of the bypass indicator. Refer to the latest revision of Rolls-Royce MM CSP 34022 (subtask 79-37-15-720-002).

K. 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) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (4) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them.
  - START 1/2.

**EFFECTIVITY: ALL**

Oil-Filter Impending-Bypass System - Operational Check

Figure 501

