



## AIRCRAFT MAINTENANCE MANUAL

### FUEL FILTER IMPENDING BY-PASS SYSTEM - ADJUSTMENT/TEST

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedure to do the functional check of the fuel 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
73-21-06-700-801-A ♦	FUEL FILTER IMPENDING BYPASS - FUNCTIONAL CHECK	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 73-21-06-700-801-A

EFFECTIVITY: ALL

2. FUEL FILTER IMPENDING BYPASS - FUNCTIONAL CHECK

A. General

(1) This procedure is applicable to the left and right engines.

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
Rolls-Royce MM CSP34022 TASK 73-37-10-700-801	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413		LH Engine Lower Cowling
423		RH Engine Lower Cowling

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) Make sure that the aircraft is safe for maintenance.
  - (2) Energize the aircraft with DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
  - (3) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tag to them:
    - START 1/2.
  - (4) Put the workstand in the work location.
  - (5) Open the lower cowling door ([AMM TASK 71-12-01-000-801-A/400](#)).
- J. Functionally Check Fuel Filter Impending Bypass Indicating System ([Figure 501](#))

SUBTASK 720-002-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.**

**CAUTION: TO PREVENT DAMAGE TO THE CONNECTOR (1) AND NOT LET THE BACKSHELL COME LOOSE, TIGHTEN THE CONNECTOR WITH SOFT-JAWED PLIERS AND APPLY SELF-BONDING SILICONE TAPE ON IT ACCORDING TO ROLLS-ROYCE MM CSP34022 TASK 70-00-00-910-804.**

- (1) Make sure that the E1/2 FUEL IMP BYP advisory message is out of view in the EICAS display.
  - (a) Disconnect the electrical connector (1) from indicator (2), and wait at least for 10 seconds.

Result:  
1 The EICAS display shows the E1/2 FUEL IMP BYP advisory message.
  - (b) Connect the electrical connector (1) to the indicator (2).

Result:  
1 The E1/2 FUEL IMP BYP advisory message goes out of view from the EICAS display.
- (2) Do the functional test of the fuel-filter bypass indicating system. Refer to the latest revision of Rolls-Royce MM CSP34022 TASK 73-37-10-700-801.

K. Follow-on

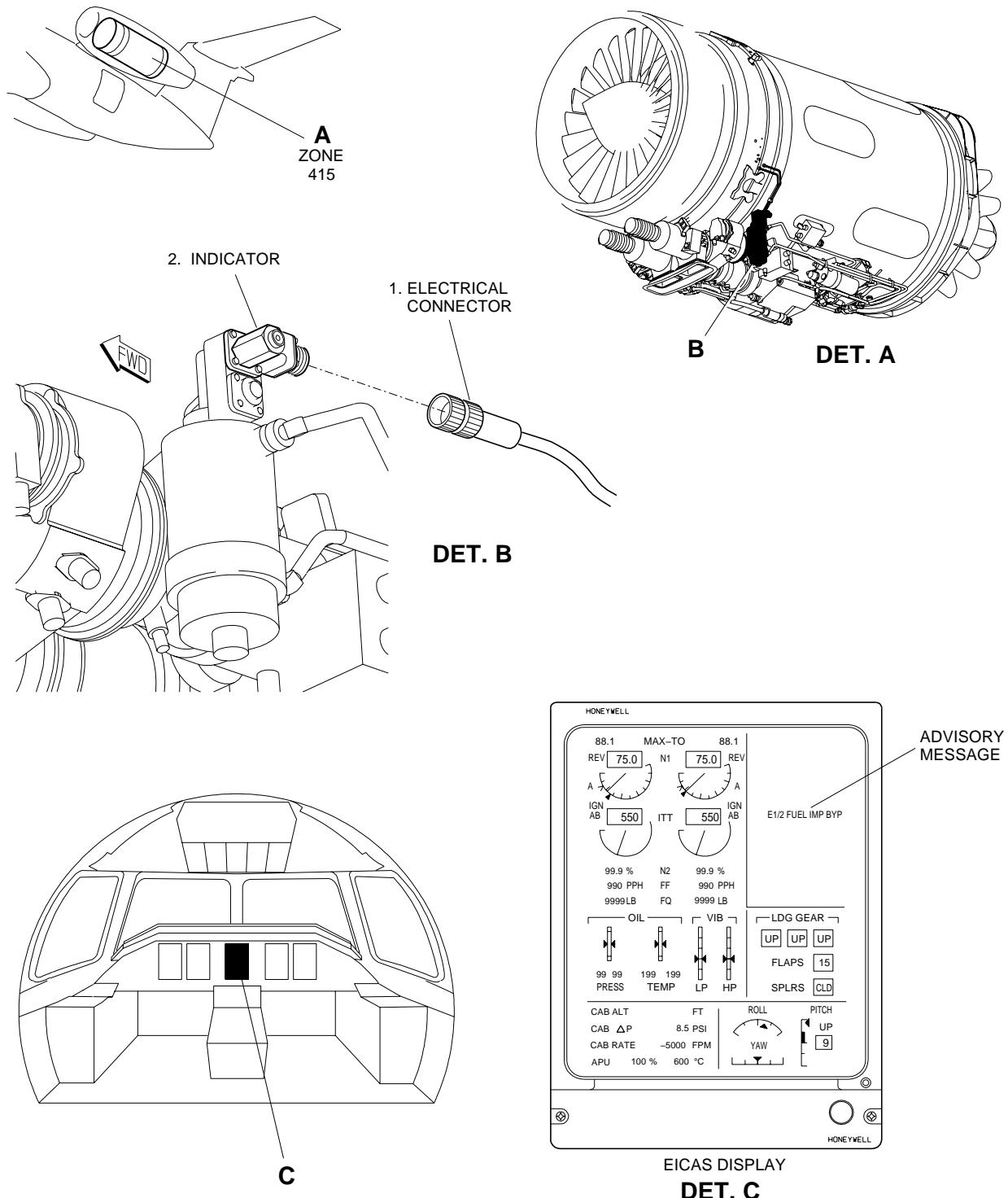
SUBTASK 842-002-A

- (1) Close the lower cowling door ([AMM TASK 71-12-01-000-801-A/400](#)).
- (2) Remove the workstand from the work location.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - START 1/2.
- (4) Remove the DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)) from the aircraft.

**EFFECTIVITY: ALL**

Fuel Filter Impending Bypass Functional Check - Component Locations

Figure 501



EM145AMM730060A.DGN