



AIRCRAFT MAINTENANCE MANUAL

IGNITION EXCITER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to remove/Install the ignition exciter.
- 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 |
|--------------------|---------------------------------|-------------|
| 74-13-01-000-801-A | IGNITION EXCITER - REMOVAL | ALL |
| 74-13-01-400-801-A | IGNITION EXCITER - INSTALLATION | ALL |



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 74-13-01-000-801-A

EFFECTIVITY: ALL

2. IGNITION EXCITER - REMOVAL

A. General

- (1) To remove the ignition exciter, obey the instructions in the latest revision of the Rolls-Royce MM CSP 34022.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--------------------------------|
| AMM TASK 71-12-01-000-801-A/400 | 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 | Workstand | To get access to the engine excitors | 1 |

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|------------------|
| 1 | Does the task | Engine work area |

I. Preparation

SUBTASK 841-002-A

WARNING: MAKE SURE THE ENGINE START/STOP SWITCH IS IN THE "STOP" POSITION TO PREVENT AN ACCIDENTAL ENGINE OPERATION.

- (1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
- POWERPLANT START 1/2.



AIRCRAFT
MAINTENANCE MANUAL

- (2) Open the lower cowling ([AMM TASK 71-12-01-000-801-A/400](#)).

J. Removal

SUBTASK 020-002-A

WARNING: THE IGNITION SYSTEM VOLTAGE IS DANGEROUSLY HIGH AND CAN KILL OR CAUSE INJURY TO PERSONS. MAKE SURE THAT THE IGNITION SYSTEM IS SET TO OFF FOR A MINIMUM OF SIX (6) MINUTES, BEFORE YOU START THE WORK ON THE IGNITION SYSTEM COMPONENTS.

- (1) Remove the ignition exciter. Refer to the latest revision of the Rolls-Royce MM CSP 34022.



AIRCRAFT
MAINTENANCE MANUAL

TASK 74-13-01-400-801-A

EFFECTIVITY: ALL

3. IGNITION EXCITER - INSTALLATION

A. General

- (1) To install the ignition exciter, obey the instructions given in the latest revision of the Rolls-Royce MM CSP 34022.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--------------------------------|
| AMM TASK 71-12-01-400-801-A/400 | 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 | Workstand | To get access to the work area | 1 |

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|------------------|
| 1 | Does the task | Engine work area |

I. Installation

SUBTASK 420-002-A

- (1) Install the ignition exciter. Refer to the latest revision of the Rolls-Royce MM CSP 34022.

J. Follow-on

SUBTASK 842-002-A

- (1) Remove the DO-NOT-CLOSE tags and close these circuit breakers.



AIRCRAFT
MAINTENANCE MANUAL

- POWERPLANT START 1/2.
- (2) Remove the workstand.
- (3) Close the lower cowling ([AMM TASK 71-12-01-400-801-A/400](#)).

