



# AIRCRAFT MAINTENANCE MANUAL

## POWERPLANT - ADJUSTMENT/TEST

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to do dynamic checks on the powerplant for operation, after an engine removal/installation procedure.
- 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
71-00-00-700-801-A	ENGINE DYNAMIC CHECKS	ALL



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TASK 71-00-00-700-801-A

EFFECTIVITY: ALL

## 2. ENGINE DYNAMIC CHECKS

### A. General

- (1) This task gives the procedures which will permit you to do the checks on the powerplant for correct operation.
- (2) The procedures given here are applicable to the LH and RH engines.
- (3) The procedures given here are applicable to new and not new engines.

### B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-12-01-600-801-A/300	ENGINE - SERVICING
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-45-00-700-801-A/500	FUEL LOW-PRESSURE WARNING SYSTEM - OPERATIONAL CHECK
AMM TASK 36-11-01-700-801-A/500	ENGINE BLEED AIR CHECK VALVES - OPERATIONAL CHECK
AMM TASK 45-45-00-970-802-A/200	CMC DOWNLOADING WITH THE PERSONAL COMPUTER
AMM TASK 71-00-00-200-801-A/600	ENGINE STATIC CHECKS
AMM TASK 71-00-01-910-801-A/200	ENGINE START PROCEDURE (NORMAL)
AMM TASK 71-00-01-910-803-A/200	ENGINE DRY MOTORING PROCEDURE (START CYCLE WITHOUT FUEL/IGNITION)
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

### 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



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F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit/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 PERSONS AND DAMAGE TO MATERIAL.**

- (1) Put the workstand in the work area.
- (2) Open the engine lower cowling ([AMM TASK 71-12-01-000-801-A/400](#)).
- (3) Energize the aircraft with a DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (4) Do a static check on the powerplant ([AMM TASK 71-00-00-200-801-A/600](#)).

J. Engine Dynamic Check

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 PERSONS AND DAMAGE TO MATERIAL.**

- (1) Do an engine dry motoring ([AMM TASK 71-00-01-910-803-A/200](#)).
- (2) Do a check on the engine oil level again. Fill as necessary ([AMM TASK 12-12-01-600-801-A/300](#)).
- (3) Start the engines ([AMM TASK 71-00-01-910-801-A/200](#)).
- (4) During the first engine run, check the engine fuel and hydraulic lines for leakage. If necessary, stop the engine and correct.
- (5) Do the operational check of the engine bleed air check valves ([AMM TASK 36-11-01-700-801-A/500](#)).
- (6) Do the operational check of the Fuel Low-Pressure Warning System ([AMM TASK 28-45-00-700-801-A/500](#)).
- (7) Do the applicable tasks to make sure that the engine operates correctly after its installation. Refer to the last revision of Rolls-Royce MM CSP34022, Chapter 72-00-00/501.
- (8) After the engine stops, examine all the magnetic plugs for debris. If debris are found, refer to the last revision of Rolls-Royce MM CSP34022 Chapter 79-30-00/601.



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- (9) After the engine stops, do a CMC download ( [AMM TASK 45-45-00-970-802-A/200](#)) and a check for failures. If failures are found, correct.

K. Follow-on

SUBTASK 842-002-A

- (1) Do a static check on the powerplant ( [AMM TASK 71-00-00-200-801-A/600](#)).
- (2) Close the engine lower cowling ( [AMM TASK 71-12-01-400-801-A/400](#)).
- (3) Remove the workstand from the work area.
- (4) Deenergize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).