

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

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

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.

- (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](#)).