

## CUSTOMER-SERVICES OUTER MANIFOLD - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedure to remove/install the customer-services outer manifold.
- 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
75-31-05-000-801-A	CUSTOMER-SERVICES OUTER MANI-FOLD - REMOVAL	ALL
75-31-05-400-801-A	CUSTOMER-SERVICES OUTER MANI-FOLD - INSTALLATION	ALL

TASK 75-31-05-000-801-A

EFFECTIVITY: ALL

## 2. CUSTOMER-SERVICES OUTER MANIFOLD - REMOVAL

### A. General

- (1) To remove the customer-services outer manifold, obey the instructions in Rolls-Royce MM CSP 34022.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 71-11-01-000-801-A/400</a>	ENGINE UPPER COWLING - REMOVAL
<a href="#">AMM TASK 71-12-01-000-802-A/400</a>	ENGINE LOWER COWLING - REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower Cowling	LH Engine
423	Lower Cowling	RH Engine
414	Upper Cowling	LH Engine
424	Upper 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	01

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
01	Does the task	Engine work area

### I. Preparation

SUBTASK 841-002-A

**WARNING: MAKE SURE THE START/STOP SWITCH IS IN THE “OFF” 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:
  - START 1/2.
- (2) Remove the lower cowling ([AMM TASK 71-12-01-000-802-A/400](#)).
- (3) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)).

J. Removal

*SUBTASK 020-002-A*

- (1) Remove the customer-services outer manifold. Refer to the last revision of Rolls-Royce MM CSP 34022.

TASK 75-31-05-400-801-A

EFFECTIVITY: ALL

### 3. CUSTOMER-SERVICES OUTER MANIFOLD - INSTALLATION

#### A. General

- (1) To install the customer-services outer manifold, obey the instructions in Rolls-Royce MM CSP 34022.

#### B. References

REFERENCE	DESIGNATION
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION
AMM TASK 71-12-01-400-802-A/400	ENGINE LOWER COWLING - INSTALLATION

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	Lower Cowling	LH Engine
423	Lower Cowling	RH Engine
414	Upper Cowling	LH Engine
424	Upper 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	01

#### F. Consumable Materials

Not Applicable

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
01	Does the task	Engine work area

#### I. Installation

##### SUBTASK 420-002-A

- (1) Install the customer-services outer manifold. Refer to the last revision of Rolls-Royce MM CSP 34022.

J. Follow-on

*SUBTASK 842-002-A*

- (1) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).
- (2) Install the lower cowling ([AMM TASK 71-12-01-400-802-A/400](#)).
- (3) Remove the DO-NOT-CLOSE tags and close these circuit breakers, as applicable:
  - START 1/2.

