



## ENGINE, ELECTRONIC MONITORING UNIT (EMU) EXCHANGE

### 1. PLANNING INFORMATION

#### A. Effectivity

##### (1) Engines

All Rolls-Royce Model RR300/A1 engines are affected by this bulletin.

#### B. Reason

There have been a number of EMU removals due to “failure to power up” when installed in the R66 aircraft. When the EMU fails to power up, the LED light on the EMU does not illuminate, and the EMU will not record engine operational data.

#### C. Description

This Service Bulletin (SB) gives the instructions for the replacement of a P/N RR30000562 EMU that has failed in service.

#### D. Approval

Technical aspects are FAA approved.

#### E. Compliance

Compliance Code 7 — To be complied with per customer option.

**NOTE:** Part obsolescence may require compliance with a Service Bulletin even though the Service Bulletin originally stated compliance as a customer option.

#### F. Interchangeability - Not Affected

#### G. Material Availability - Not Applicable

#### H. Tooling - Not Applicable

#### I. Weight and Balance - Not Affected

#### J. Electrical Load Data - Not Affected

#### K. References

##### (1) Advance Engineering Memorandum (AEM) CL500036250773.

NOTE: The document above is referenced for the internal use of Rolls-Royce only.

##### (2) RR300 Operation and Maintenance Manual, CSP 21009 (OMM).

##### (3) RR300 Line Illustrated Parts Catalog, CSP 23004 (LIPC).

##### (4) RR300 Engine Illustrated Parts Catalog, CSP 23006 (EIPC).

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SB RR300-77-004

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L. Other Publications Affected - None

M. Prerequisites - None

**2. ACCOMPLISHMENT INSTRUCTIONS**

A. Replace EMU as follows:

- (1) Perform the pre-flight test of the EMU (Ref. R66 POH).
- (2) If the pre-flight test fails, then expose the EMU to verify that the light on the EMU is not illuminated with aircraft power applied (Ref. R66 AMM).
- (3) If the EMU failure has been verified, then contact any one of the RR300 Authorized Maintenance and Repair Centers (AMROCs) and request an exchange EMU in accordance with the service bulletin. Follow the link below to obtain contact information. <https://www.rollsroycefirstnetwork.com>

NOTE: Please refer to NTO 046 for instructions and options for the EMU exchange.

- (4) If an exchange EMU is available, then install the EMU in the aircraft and follow the instructions provided on how to return the failed EMU.
- (5) If an exchange EMU is not readily available, then you may continue operations with the inoperative EMU by following the requirements of NTO 029.
- (6) After installation of the new EMU P/N RR30000574, perform a test to assure EMU operation.

B. Upon completion of the maintenance, record compliance to Service Bulletin 77-004 in the Engine Log Book.

**3. MATERIAL INFORMATION - Not Applicable**

A. Configuration Chart

NEW P/N		NAME	OLD P/N	QTY/ ENG	INSTRUCTIONS/ DISPOSITION
RR30000568 RR30000574	1	Engine Monitoring Unit	RR30000562	1	1

**INSTRUCTION/DISPOSITION NOTES**

- 1. New

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