



## P U B L I C A T I O N      T R A N S M I T T A L

April 11, 2022

TO:                Recipients of RR300 Service Bulletins

SUBJECT:        SB RR300-72-027 - GEARBOX OIL CHECK VALVE, GUIDE, POPPET,  
CHECK VALVE REPLACE P/N 23085911 WITH NEW P/N M250-10893

This letter transmits Revision 1 to the subject service bulletin. Replace the Original Issue with this Revision 1.

This is a complete revision.

Revision 1 changes the Material Information section.

The following list includes the original issue date and all revisions to this bulletin:

Original Issue	November 14, 2019
Revision 1	April 11, 2022

CUSTOMER SUPPORT  
ROLLS-ROYCE



# SERVICE BULLETIN



# Rolls-Royce

## RR300 GEARBOX OIL CHECK VALVE, GUIDE, POPPET, CHECK VALVE REPLACE P/N 23085911 WITH NEW P/N M250-10893

### 1. PLANNING INFORMATION

#### A. Effectivity

##### (1) Engines

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

**NOTE:** For new engines produced after February 2018, verify part number of valve installed.

#### B. Reason

To provide a new check valve which is more robust to prevent premature wear and rejection for the valve.

#### C. This Service Bulletin (SB) provides the requirements to remove and replace the check valve assembly.

#### D. Approval

Technical aspects are FAA approved.

#### E. Compliance

Compliance Code 3: To be complied with the next time the engine, module or component is sent to an authorized repair/overhaul facility for any reason.

Failure to comply with this bulletin is at the owner/operator's sole risk and Rolls-Royce is not responsible for any resulting damage or loss.

#### F. Interchangeability - Not affected

#### H. Material Availability

NEW P/N	NAME	QTY/ENG
M250-10893	Check Valve Assembly	1

#### I. Tooling - Not applicable

#### J. Weight and Balance - Not affected

#### K. Electrical Load Data - Not affected

K. References

- (1) Advance Engineering Memorandum (AEM) CW500028574406.

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).

L. Other Publications Affected - None

M. Prerequisites - None

2. ACCOMPLISHMENT INSTRUCTIONS

A. Replace the gearbox oil check valve.

- (1) Remove the lube oil filter housing (Ref. TASK 79-23-00-000-801, OMM).
- (2) Remove and discard internal oil check valve, P/N 23085911.
- (3) If any portion of the check valve is missing, then it must be found before installing a new check valve. This can require removal of the gearbox to recover any missing pieces.
- (4) Install the new check valve assembly, P/N M250-10893 (Ref. TASK 79-23-00-400-801, OMM).
- (5) Reinstall the lube oil filter housing (Ref. TASK 79-23-00-400-801, OMM).

B. Upon completion of the maintenance, record compliance to Service Bulletin 72-027 in the Engine Log Book.

3. MATERIAL INFORMATION

A. Configuration Chart

NEW P/N	QTY/ ENG	NAME	OLD P/N	QTY/ ENG	INSTRUCTIONS/ DISPOSITION
M250-10893	1	Check Valve Assembly	23085911	1	1, 2

INSTRUCTIONS/DISPOSITION NOTES

- 1. New item.
- 2. The check valve assembly may also be marked with a component level P/N for the check valve body. Ensure only the check valve assembly P/N is utilized to determine applicability.

B. Consumable Materials - None

C. Expendable Parts - None

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