



## PUBLICATION TRANSMITTAL

January 18, 2022

TO: Recipients of RR300/A1 Service Bulletins

SUBJECT: ENGINE, STARTING - REPLACEMENT OF STARTER GEARSHAFT ASSEMBLY

This letter transmits Revision 3 to the subject service bulletin. Replace the Revision 2 with this Revision 3.

This is a complete revision.

Revision 3 changes the Planning Information section.

If you have complied with the previous issue of this bulletin, no additional work is required.

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

Original Issue	September 09, 2013
Revision 1	August 29, 2014
Revision 2	December 13, 2016
Revision 3	January 18, 2022

CUSTOMER SUPPORT  
ROLLS-ROYCE





## ENGINE, STARTING - REPLACEMENT OF STARTER GEARSHAFT ASSEMBLY

### 1. PLANNING INFORMATION

#### A. Effectivity

##### (1) Engines

All Rolls-Royce Model RR300/A1 engines with Skurka Aerospace Inc. (SAI) Starter/Generator Assemblies (SG), RRC P/N RR30000412 with SG serial numbers SKA10050 thru SKA10079, SKA10081 thru SKA10117, SKA10119 thru SKA10167, SKA10169 thru SKA10181, SKA10183 thru SKA10195, SKA10197 thru SKA10275, SKA10277 thru SKA10280, SKA10282, SKA10283, SKA10285 thru SKA10303, SKA10305, SKA10307 thru SKA10331, SKA10333 thru SKA10364, SKA10367 thru SKA10440, SKA10442 thru SKA10450, SKA10452 thru SKA10457, SKA10460 thru SKA10536, SKA10538 thru SKA10544, SKA10546 thru SKA10597, SKA10599 thru SKA10616, SKA 10618, SKA10623, SKA10626, and SKA10630 thru SKA10647.

##### (2) Spares – Not affected

#### B. Reason

To distribute Skurka Aerospace Inc. (SAI) Service Bulletin 160SB165.

#### C. Description

This Skurka Aerospace Inc. (SAI) Service Bulletin 160SG165 gives you the procedure to have the starter/generator gear shaft replaced under Skurka Aerospace, Inc warranty at or before first starter/generator overhaul. This bulletin requires that the affected Starter/Generator with less than 40 start cycles must be returned to an SAI authorized repair/overhaul facility for driveshaft replacement. If a starter/generator has 40 or more start cycles it is approved for continued operation. Driveshaft must be replaced at next starter/generator overhaul.

#### D. Approval

Technical aspects are FAA approved.

#### E. Compliance

Compliance Code 8 - The data and instructions contained in this Service Bulletin is no longer necessary. Please reference the appropriate OMM and/or IPC.

#### F. Interchangeability - Not affected

#### G. Material Availability

Operators who require execution of this Service Bulletin can contact Skurka Aerospace, Inc at the following address, Attention: Repair Administrator.

**Skurka Aerospace, Inc.**  
**4600 Calle Bolero**  
**PO Box 2869**  
**Camarillo, CA 93011**  
**(805) 437-4071**  
www.skurka-aero.com

# Rolls-Royce

## SERVICE BULLETIN

Operators can choose one of several options for execution of this Service Bulletin.

### Parts Option:

- Same Unit Repair - Return the unit for free of charge repair. Contact Skurka Aerospace Inc, Attention Repair Administrator for details.
- Exchange Option - Exchange units might be available. Contact Skurka Aerospace Inc., Attention Repair Administrator for details.

### Shipment Options:

- Standard shipping - Skurka Aerospace Inc. will pay for standard 3-5 day shipping to and from the Skurka Authorized repair station. Contact Skurka Aerospace Inc., Attention Repair Administrator for details.
- Expedited shipping - Under either the Same Unit Repair or the Exchange Option, Operators can return the unit and request the units be sent back to the operator with expedited shipping at the Operator's expense. Contact Skurka Aerospace Inc., Attention Repair Administrator for details.

H. Tooling - Not applicable

I. Weight and Balance - Not affected

J. Electrical Load Data - Not affected

K. References

- (1) RR300 Operation and Maintenance Manual, CSP 21009 (OMM).
- (2) RR300 Line Illustrated Parts Catalog, CSP 23004 (LIPC).
- (3) RR300 Engine Illustrated Parts Catalog, CSP 23006 (EIPC).
- (4) Skurka Aerospace Inc. (SAI) Service Bulletin, SB 160SG165.

L. Other Publications Affected - None

M. Prerequisites - None

## 2. ACCOMPLISHMENT INSTRUCTIONS

A. Verify Starter/Generator Serial Number (S/N) is on the affected S/N list in Paragraph 1.A.(1).

**NOTE:** If Serial Number is verified in Paragraph 1.A.(1) of this document, verify whether the Modification Status has been marked as indicated in Figure 1 of the SB160SG165 document. If Modification Status is marked accordingly, then this unit has had SB160SG165 previously complied with and no further action is required.

B. Obtain an exchanged or repaired starter/generator from Skurka Aerospace, Inc. as explained in Section 1.G. of Service Bulletin RR300-80-002.

C. Gain access to the starter/generator unit, P/N RR30000412 (Ref. OEM AMM).

D. Remove the starter/generator unit (Ref. TASK 80-11-10-000-801).

E. Comply with requirements of Skurka Aerospace Inc. SB 160SG165.

F. Reinstall starter/generator unit (Ref TASK 80-11-10-400-801).

G. Upon completion of maintenance, record compliance to Service Bulletin RR300 80-002 in the appropriate Engine Log Book pages.

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RR300-80-002