

RECOMMENDED SERVICE BULLETIN

RSB 62-018

I TECHNICAL DETAILS

I.1 Category

Recommended.

I.2 Airplanes affected

Type: DA 62
Serial numbers: 62.007, 62.009 through 62.077

I.3 Date of effectivity

13-Nov-2017

I.4 Time of Compliance

Within the next 100 flight hours from the date of effectivity, but not later than 31-Dec-2018.

I.5 Subject

I.6 Inspection of rear Rudder Cable Pulley.

ATA-Code: 27-20

I.7 Reason

On some airplanes excessive wear on the LH and RH rudder cable pulley on the rear vertical tail spar was found. This is caused by pulley brackets that have been switched during the production process. This Service Bulletin describes the inspection of potentially affected airplanes and the correction of the installation, if necessary.

I.8 Concurrent Documents

None.

I.9 Approval

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.052.

I.10 Accomplishments / Instructions

See WI-RSB 62-018, latest effective issue.

I.11 Mass (Weight) and CG

Not affected.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-RSB 62-018, latest effective issue.

II.2 Special Tools

Cable tension gauge (tensiometer).

Rudder check gauge D67-5540-00-01-PL.

II.3 Labour Effort

Inspection: 1.5 hours.

Replacement of pulley: 6 hours.

II.4 Credit

For all aircraft within warranty period.

II.5 Reference Documents

DA 62 Airplane Maintenance Manual, Doc. No. 7.02.25, latest effective issue.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, particular that which is not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the log book.
4. If material and/or labor hours are subject to be credited through Diamond Aircraft Industries, the Service Bulletin must be done by an authorized Diamond Service Center within the time of compliance and the Warranty Application incl. Work Report must be sent not later than 30 days after completion of work.
5. In case of doubt contact Diamond Aircraft Industries GmbH.

EXECUTION REPORT TO SERVICE BULLETIN RSB 62-018

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine LH _____

RH _____

Typical operation of airplane private, club, training, other _____

Date, Name, Sign

Please fax the completed form to Fax No. +43-2622-26700-1369 or e-mail to
airworthiness@diamond-air.at

WORK INSTRUCTION

WI-RSB 62-018

I GENERAL INFORMATION

I.1 Subject

Inspection of rear Rudder Cable Pulley.

I.2 Reference Documents

DA 62 Airplane Maintenance Manual, Doc. No. 7.02.25, latest effective issue.

I.3 Remarks

- a) All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
- b) All work, in particular if not described in this work instruction, must be done in accordance with the referenced maintenance manual.
- c) For conversion factors between SI units and US/Imperial units refer to AMM Chapter 02.
- d) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None.

II.2 Special Tools

Cable tension gauge (tensiometer).
Rudder check gauge D67-5540-00-01-PL.

II.3 Material

Quantity	Part No.	Description
2	MS245663B	Pulley
2	MS17825-4	Self-locking Castle Nut
2	LN94-20020	Split Pin

III INSTRUCTIONS

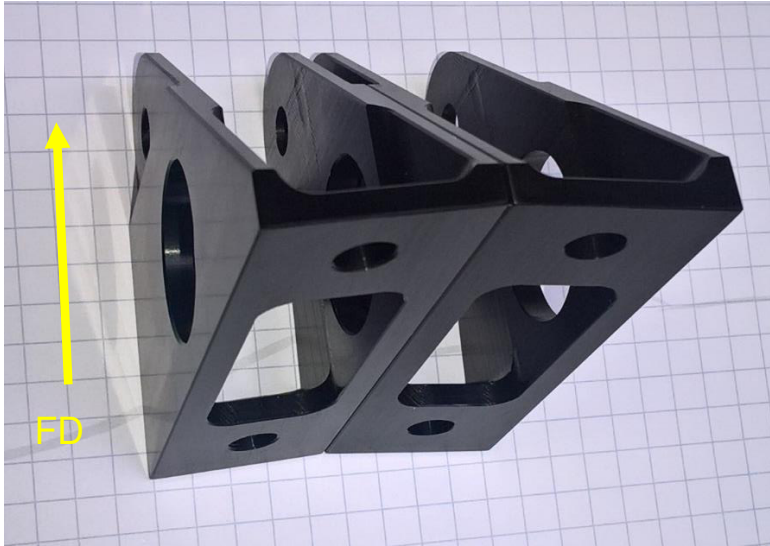
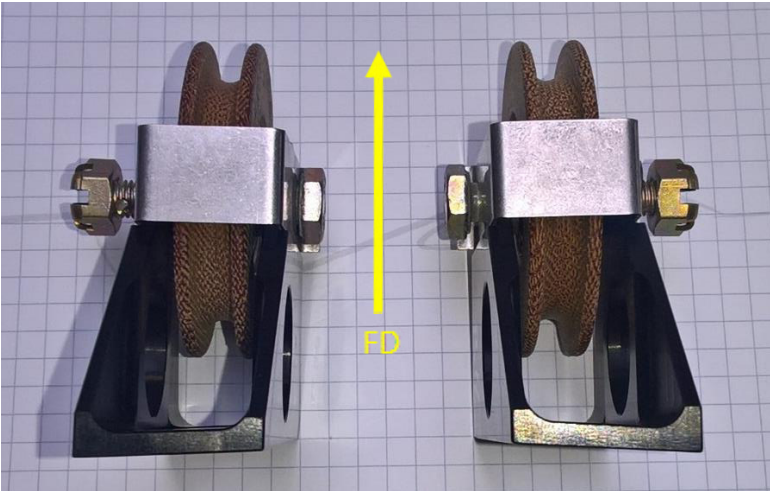
III.1 Inspection of Rudder Cable Pulleys

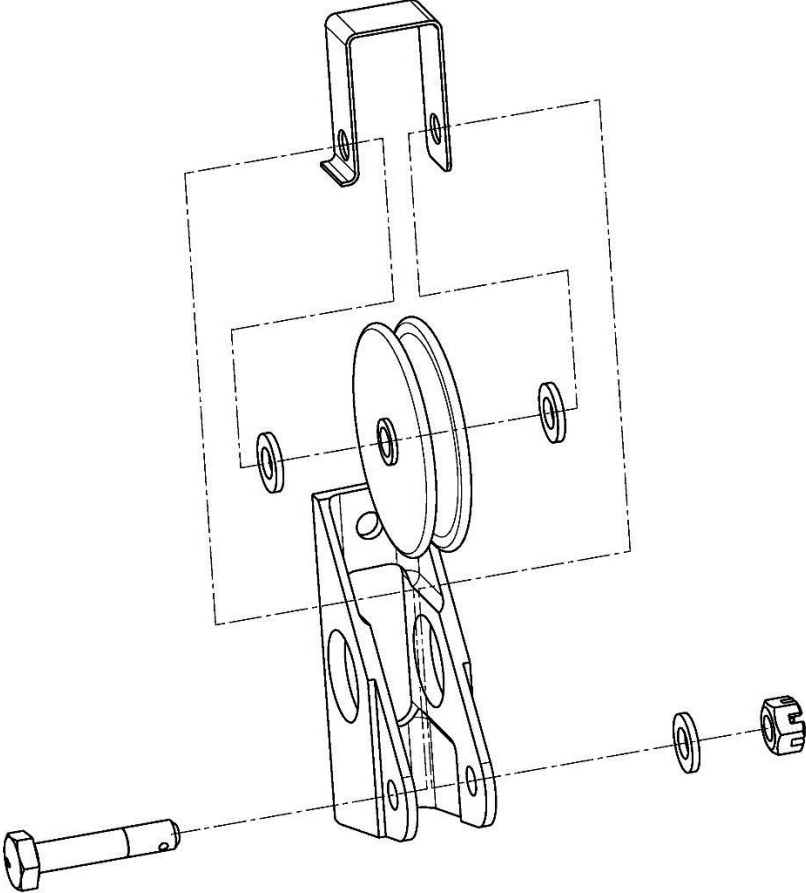
1	Remove the Rudder in accordance with (i.a.w.) AMM Section 55-40.
2	<p data-bbox="256 544 1366 607">Examine the rear rudder cable pulley for wear through the maintenance hole i.a.w. the pictures below.</p> 



3	If there is wear visible on the pulley. Replace the rudder cable pulley i.a.w. Section III.2.
4	Install the Rudder i.a.w. AMM Section 55-40.
5	Clean working areas, check for foreign objects.
6	Check all altered, replaced, repaired parts for proper function.
7	Test all systems in working area for function.
8	Make all necessary entries in the airplane logs.

III.2 Replacement of Rudder Cable Pulleys

1	Remove the carpet from passenger foot well.
2	Remove the middle tunnel from the passenger foot well.
3	Remove the lock wire from the turnbuckles.
4	Loosen the turnbuckles.
5	Remove the rear pulley bracket from the rudder frame.
6	Get out the pulley bracket through the maintenance hole and remove the pulley from the bracket.
7	<p>Identify the pulley bracket i.a.w. the picture below, and mark the pulley bracket.</p>  <p style="text-align: center;">D67-2725-11-01 (LH) D67-2725-12-01 (RH)</p> 

8	<p>Install the rudder cable pulley bracket on the correct side i.a.w. step 7 with the new pulley on the rudder frame i.a.w. picture below. Apply CA1000 on bolt before installation.</p> 
9	Adjust both left and right rudder cable turnbuckles to give the correct tension to the control cables i.a.w. AMM section 27-20.
10	Make sure the cable is in the correct position on the pulley.
11	Install the Rudder i.a.w. AMM Section 55-40.
12	Clean working areas, check for foreign objects.
13	Check all altered, replaced, repaired parts for proper function.
14	Test all systems in working area for function.
15	Make all necessary entries in the airplane logs.