

## **RECOMMENDED SERVICE BULLETIN NO. RSB 62-050 REV. 0**

### **I TECHNICAL DETAILS**

#### **I.1 Category**

Recommended.

#### **I.2 Airplanes Affected**

Model: DA 62

S/N: 62.196 and prior.  
62.C041 and prior.

#### **I.3 Date of Effectivity**

21 September 2023.

#### **I.4 Time of Compliance**

At owner's discretion.

#### **I.5 Subject**

Installation of Bowden Cable Extension for Parking Brake.

ATA code: 32-00.

#### **I.6 Reason**

Diamond Aircraft has approved a bowden cable extension for the parking brake on DA 62. This design improvement to the parking brake mechanism aims to prevent the cable from bending or kinking when the parking brake is not operated correctly as per AFM-TR-MAM-62-1035. This Service Bulletin describes the installation of the bowden cable extension to the parking brake bowden cable.

#### **I.7 Concurrent Documents**

None.

#### **I.8 Approval**

The technical information and instructions contained in this document relate to Design Change Advisory MÄM 62-1098, which has been approved as part of the type design.

#### **I.9 Accomplishment/Instructions**

See WI-RSB 62-050, latest effective issue.

#### **I.10 Mass (Weight) and CG**

The change in mass and CG is negligible.

## **II PLANNING INFORMATION**

### **II.1 Material and Availability**

See WI-RSB 62-050, latest effective issue.

### **II.2 Special Tools**

None.

### **II.3 Labour Effort**

Approximately 3 hours will be required to accomplish this service bulletin.

This estimate is for direct labour performed by a technician, and it does not include setup, planning, familiarization, cure time, part fabrication, or tool acquisition.

### **II.4 Credit**

None.

### **II.5 Reference Documents**

DA 62 Series 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, in particular 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 logbook.
4. In case of doubt, contact Diamond Aircraft Industries Inc.

**EXECUTION REPORT TO  
SERVICE BULLETIN  
RSB 62-050 REV. 0**

**AIRPLANE DATA**

Airplane serial number \_\_\_\_\_

Airplane registration \_\_\_\_\_

Airplane operator \_\_\_\_\_

Hours of operation of airplane (TSN) \_\_\_\_\_

Typical operation of airplane private, club, training, other: \_\_\_\_\_

**MAINTENANCE DATA**

Date of maintenance \_\_\_\_\_

Maintenance carried out by \_\_\_\_\_

During scheduled inspection? ☐ Yes ☐ No

\_\_\_\_\_  
Name Signature Date

Please e-mail the completed form to [Techpubs@diamondaircraft.com](mailto:Techpubs@diamondaircraft.com).

## **WORK INSTRUCTION WI-RSB 62-050 REV. 0**

### **I GENERAL INFORMATION**

#### **I.1 Subject**

Installation of Bowden Cable Extension for Parking Brake.

ATA code: 32-00.

#### **I.2 Reference Documents**

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

#### **I.3 Remarks**

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, in particular which is not especially described in this work instruction, must be done in accordance with the referenced maintenance manual.
3. In case of doubt, contact Diamond Aircraft Industries Inc.

### **II DRAWINGS, SPECIAL TOOLS & MATERIALS**

#### **II.1 Drawings**

None.

#### **II.2 Special Tools**

None.

#### **II.3 Material**

Item	Quantity	Part Number	Description
1	1	D60-7103-00-30	Bowden cable extension
2	A/R	Loctite 241 or Loctite 243 Activator: Loctite 7649 or Loctite 7471	Threadlocking adhesive
2a	ALT	STALOC 2S41 or STALOC 2S43 Activator: STALOC Activator	Threadlocking adhesive
3	1	T22700034	Bowden cable core

NOTE: The bowden cable core (item 3) is sold in 4 meters lengths only.

### **III INSTRUCTIONS**

1. Remove the front seats. Refer to AMM Section 25-10.
2. Remove the LH and RH center console side panels for access.
3. Remove the engine control assembly from the center console as needed to gain access to the parking brake bowden cable. Refer to AMM Section 31-10.
4. Disconnect the parking brake bowden cable from the parking brake valve:
  - Move the lever to RELEASE position.
  - Loosen the swivel fitting screw.
  - Pull the control cable core from the swivel fitting. Retain the swivel fitting.
5. Disconnect the parking brake bowden cable from the control lever:
  - Move the lever to LOCK position for access.
  - Loosen the swivel fitting screw.
  - Pull the control cable core from the swivel fitting. Retain the swivel fitting.
6. Pull the control cable core clear of the cable outer sleeve from either end.
7. Take note of the length of the removed control cable core and remove from the airplane.
8. Install the new control cable core (item 3):
  - Cut the new control cable core (item 3) to the same length as the old control cable core. Remove sharp edges.
  - Move the new control cable core (item 3) into position in the outer sleeve.
9. Install the bowden cable extension (item 1) to the bowden cable in the engine control using threadlocking adhesive (item 2 or 2a) according to the manufacturer Technical Data Sheet. Refer to Figure 1.

NOTE: Make sure that the thread engagement is a minimum of 6 mm.

10. Connect the bowden control cable to the control lever:
  - Move the control lever to a position 3 mm (0.1 in) clear of the LOCK position.
  - Move the swivel fitting into position in the control lever.
  - Pass the cable core through the swivel fitting.
  - Tighten the swivel fitting screw using threadlocking adhesive (item 2 or 2a) according to the manufacturer Technical Data Sheet.
11. Connect the bowden control cable to the parking brake valve:
  - Move the control cable core of the bowden cable through the retained swivel fitting.

- Make sure that the parking brake control lever in the cockpit is set to RELEASE.
- Make sure that the operating lever on the parking brake valve is set to the fully open position.
- Tighten the swivel fitting screw using threadlocking adhesive (item 2 or 2a) according to the manufacturer Technical Data Sheet.

12. Install back the engine control assembly to the center console. Refer to AMM Section 31-10.

13. Do a test for the correct operation of the parking brake system:

- Push and hold both brake pedals on the pilot's rudder pedal assembly.
- Set the PARKING BRAKE to LOCK. Both wheel brakes must stay locked.
- Set the PARKING BRAKE to RELEASE. Both wheel brakes must release.

NOTE: To prevent the valve getting stuck and bent cables, always apply toe pressure to the brakes before releasing the parking brake lever.

14. If necessary, adjust parking brake mechanism by adjusting the swivel fittings on the control cable.

15. Install the LH and RH center console side panels.

16. Install the front seats. Refer to AMM Section 25-10.

17. Clean the working areas, and check for foreign objects.

18. Check all altered, replaced, and repaired parts for proper function.

19. Test all systems in the working areas for proper function.

20. Make all necessary entries in the airplane logs.

21. Fill in the execution report, and submit it to [Techpubs@diamondaircraft.com](mailto:Techpubs@diamondaircraft.com).

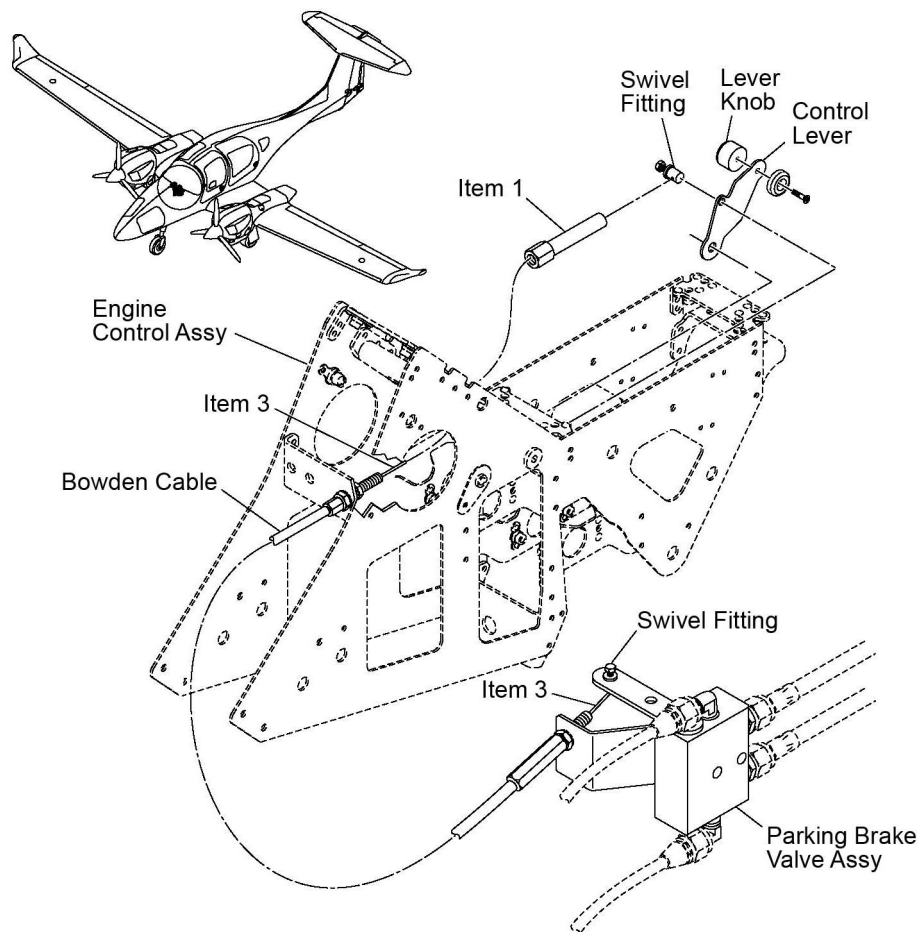


Figure 1. Parking brake installation.

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner, and send the name of the current owner to Diamond Aircraft at the address below.

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