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Planning Information

Re-Positioning of de-ice cables to improve long time wear. During the next inspection/repair or overhaul the de-ice cables should be re-oriented to reduce the wear.

Affected Propeller:

- ✦ **MTV-27-1-N-C-F-R(P)/CFR260-65a with spinner assembly P-1059-()** installed on Pilatus PC 12
Manufactured or overhauled or repaired before 01/2014.
- ✦ **MTV-27-1-E-C-F-R(P)/CFR225-55f with spinner assembly P-1228-()/P-1127-()** installed on TBM700/850
/ Beech King Air-200 Series/ Piper PA 31 Series/ Piper PA 46 Series
Manufactured or overhauled or repaired before 01/2014.
- ✦ **MTV-27-1-E-C-F-R(G)/CFRL250-55b with spinner assembly P-898-1-()** installed on Dornier 228-Series
Manufactured or overhauled or repaired before 01/2014.
- ✦ **MTV-27-1-E-C-F-R(G)/CFR210-58d/CFRL240-55d with spinner assembly P-1266-()** installed on
MU-2-B Series
Manufactured or overhauled or repaired before 01/2014.
- ✦ **MTV-27-1-E-C-F-R(G)/CFR210-58d/CFRL240-55d/CFRL250-103 with spinner assembly P-1096-() /
P-1096-1-()** installed on SA227-AC/-AT/-BC/-TT/, Metro 23/, Metro 3/ Merlin 4/ Jetstream 31/32
Manufactured or overhauled or repaired before 01/2014.

Reason:

During operation some wear on the de-ice cables were reported.

Affected Publications:

Overhaul Manual E-680, Service Instruction 4-()

General Work Procedure:

- ✦ Cable clamp repositioning according the following instructions for the respective application
- ✦ Stop nut are reusable up to 3 times
- ✦ **No special tools required**

1. MTV-27-1-N-C-F-R(P)/CFR260-65a installed on Pilatus PC 12 with spinner assembly P-1059-():

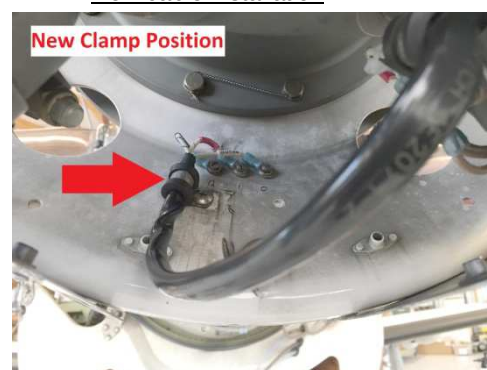
Work Procedure:

- ✦ Clamp on the connectors according to the picture New Clamp Position.
- ✦ Check de-ice cable length (New part number de-ice cable **4E2071-2** or **4H2071-2**)
- ✦ The 10 spinner screws C-306-8 (AN526C1032R8; overall length 15 mm/0,59 inch) used to mount the filler plate
to the spinner dome between front and rear spinner bulkhead should be replaced by the 10 spinner screws C-306-7 (AN526C1032R7; overall length 13,72 mm / 0,54 inch) that they do not protrude the self locking nut which can wear out the de-ice cable.

Present cable installations on spinner bulkhead



New cable installation



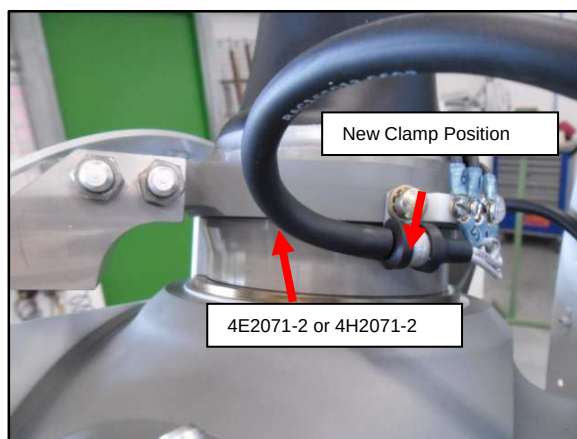
Check/Approved by MPL Martin Albrecht Date: 06. February 2018	Issued by: Andreas Seperant Date: 06. February 2018	
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This technical Information has been approved according the procedures established for the EASA-certified Design Organization No.: EASA.21J.02

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Continued 1.

New cable installation on counterweight body



2. MTV-27-1-E-C-F-R(P)/CFR225-55f/CFR210-58d installed on TBM700/850 / Piper PA 31/ Piper PA 46 Beech King Air-200 Series with spinner assembly P-1228-() / P-1127-():

Required Parts for one Propeller:

5x A-1189-3 (replacement for A-1189-1)

Work Procedure:

Check de-ice cable length (New part number de-ice cable **4E2071-2** or **4H2071-2**)

New cable installation on rear spinner bulkhead and counterweight body



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3. MTV-27-1-E-C-F-R(G)/CFRL250-55b installed on Dornier 228-Series with spinner assembly P-898-1-():

Required Parts for one Propeller:

5x A-1189-3 (replacement for A-1189-1)

5x C-465-1 (Rubber protection in spinner bulkhead)

Work Procedure:

Check de-ice cable length (Part number de-ice cable **4E2071-2** or **4H2071-2** or optional new improved system **4E2075-2**)

Position propeller blades in the start lock (see operation and installation manual E-610)

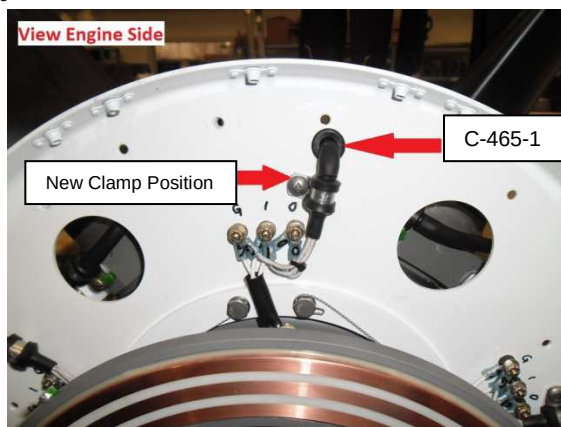
1. To reposition the clamp make a new 0,433"(11 mm) bore ; 0,393"(10 mm) left from the old cable clamp location and 0,984"(25 mm) rectangulaire high as shown in Fig.1 .
2. Deburr the new bore and install rubber protection C-465-1 .
3. Install clamp with cable at new location (Engine Side) according the picture on the right side of the cable connectors(Engine Side) as shown in Fig 2.

Fig. 1



New cable installation on rear spinner bulkhead

Fig. 2



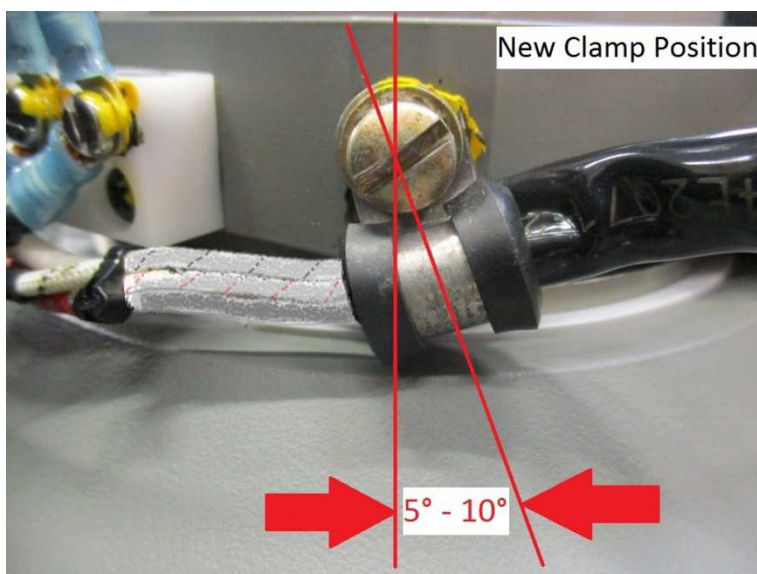
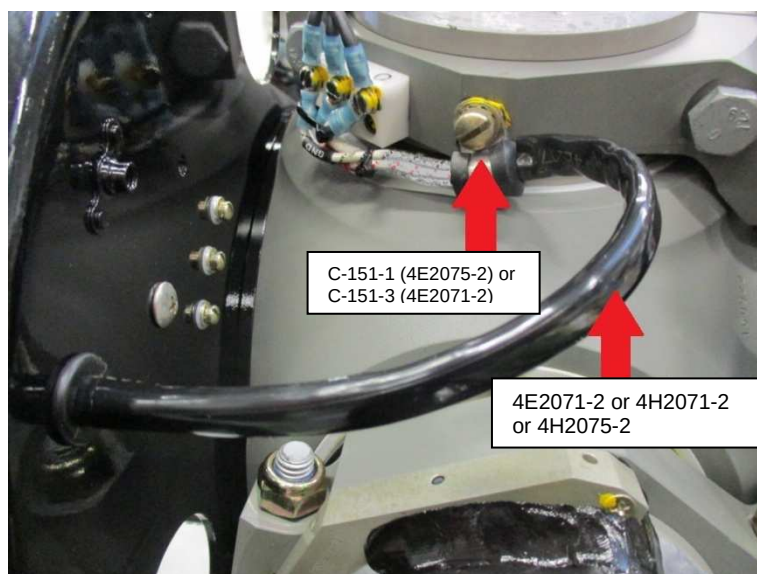
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Continued 3.

Or optional improved cable installation with 4E2075-2 cable and C-151-1 clamp

The removed vulcanized rubber on one side of the wire 4E2075-2 will give the cable on the counterweight side more flexing and can improve the life time.

Note: The new clamp position is applicable on all cable types.



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4. MTV-27-1-E-C-F-R(G)/CFR210-58d/CFRL240-55d installed on MU-2-B-Series with spinner assembly P-1266-() :

Required Parts for one Propeller:

5x A-1189-3 (replacement for A-1189-1)

5x C-465-1 (Rubber protection in spinner bulkhead)

Work Procedure:

Check de-ice cable length (Part number de-ice cable **4E2071-2** or **4H2071-2** or optional new improved system **4E2075-2**)

Position propeller blades in the start lock (see operation and installation manual E-610)

1. To reposition the clamp make a new 0,433"(11 mm) bore ; 0,629"(16 mm) left (CFRL Application)/right (CFR Application) from the old cable clamp location and 0,866"(22 mm) rectangulaire high as shown in Fig.3 .
2. Deburr the new bore and install rubber protection C-465-1.
3. Install clamp with cable at new location (Engine Side) according to Fig 4.

Fig. 3



New cable installation on rear spinner bulkhead

Fig. 4



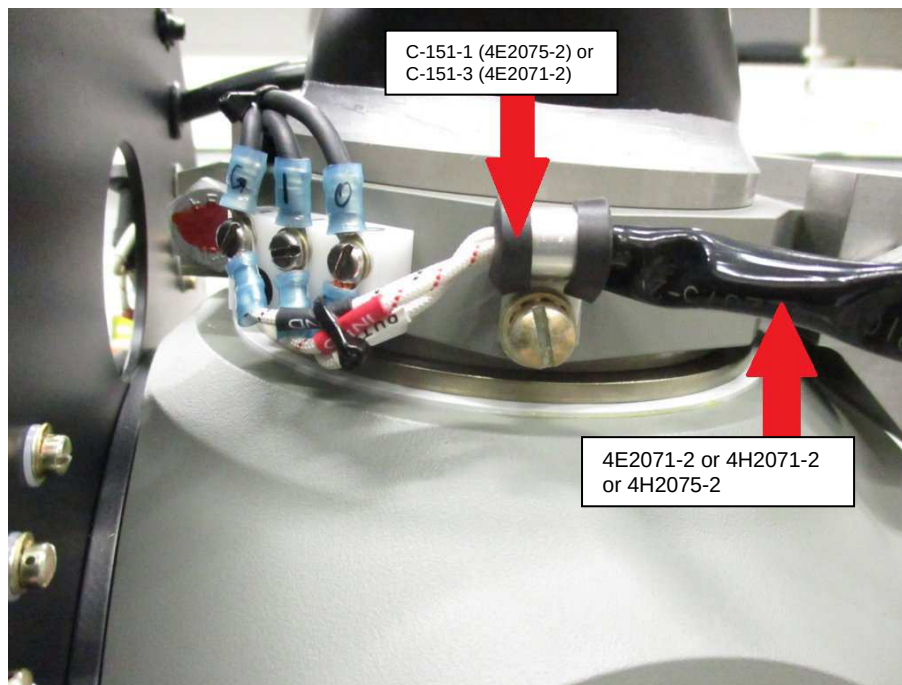
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Continued 4.

Or optional improved cable installation with 4E2075-2 cable and C-151-1 clamp

The removed vulcanized rubber on one side of the wire 4E2075-2 will give the cable on the counterweight side more flexing and can improve the life time.

Note: The new clamp position is applicable on all cable types.



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5. MTV-27-1-E-C-F-R(G)/CFRL240-55d/CFRL250-103 installed on SA227-AC/-AT/-BC/-TT, Metro23, Metro3, Merlin 4, Jetstream 31/32 with spinner assembly P-1096-() / P-1096-1-()

Required Parts for one Propeller:

5x A-1189-3 (replacement for A-1189-1)

5x C-465-1 (Rubber protection in spinner bulkhead)

Work Procedure:

Check de-ice cable length (Part number de-ice cable **4E2071-2** or **4H2071-2** or optional new improved system **4E2075-2**)

Position propeller blades in the start lock (see operation and installation manual E-610)

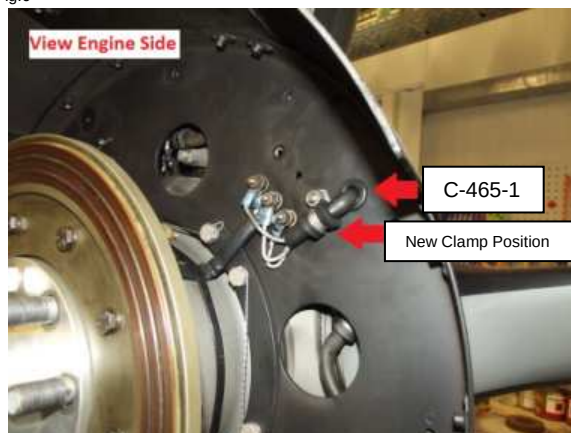
1. To reposition the clamp make a new 0,433"(11 mm) bore ; 0,590"(15 mm) left (CFRL Application)/right (CFR Application) from the old cable clamp location and 0,629"(16 mm) rectangulaire high as shown in Fig.5 .
2. Deburr the new bore and install rubber protection C-465-1 .
3. Install clamp with cable at new location (Engine Side) according to Fig 6.

Fig.5



New cable installation on rear spinner bulkhead

Fig.6



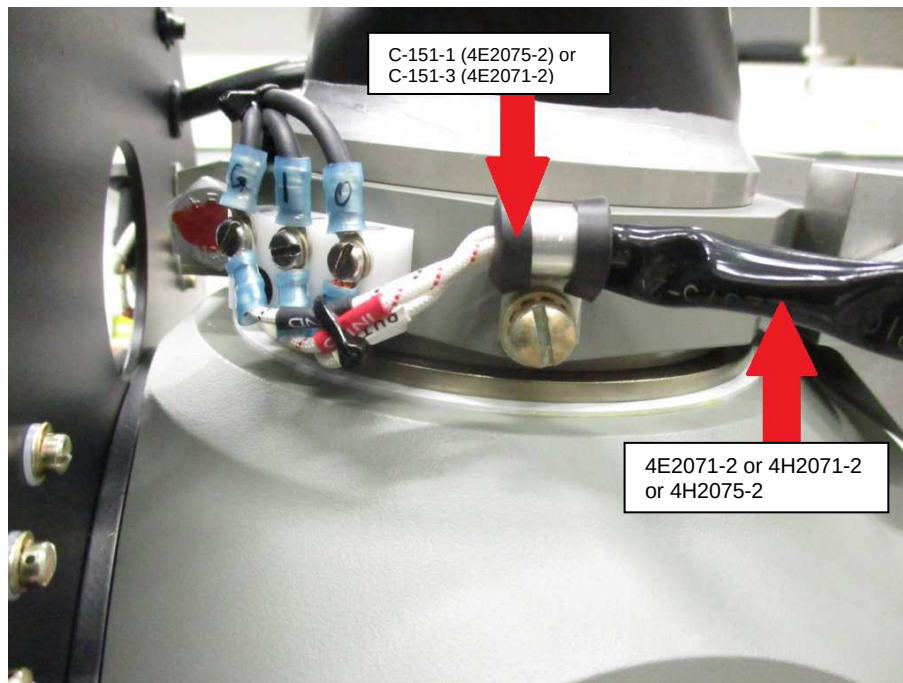
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Continued 5.

Or optional improved cable installation with 4E2075-2 cable and C-151-1 clamp

The removed vulcanized rubber on one side of the wire 4E2075-2 will give the cable on the counterweight side more flexing and can improve the life time.

Note: The new clamp position is applicable on all cable types.



Contact: e-mail: techsupport@mt-propeller.com