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Planning Information

Modification of fluid deice system

Affected Parts:

Fluid Deice Assy P-909-14-3

Affected Propellers:

MTV-14-D/195-30b installed on Cirrus SR22-() with spinner assy P-320-2.

Reason:

During service it was found that the protection hose of the fluid deice tubes have abrasive wear because of tube movement.

Affected Publications:

Overhaul Manual E-220

Additional Material for one blade:



Work Procedure:

1. Remove the spinner dome.
2. Disassemble the existing fluid deice tube fixing, which is installed on the spinner front plate .If the distance pieces are pinned with the front plate remove all existing pins . The pin C-245-10 is no longer needed for this installation.
3. If the existing fluid deice tubes comes with protection hoses, all four can be removed. The protection hoses are no longer needed for this installation.
4. Modify the spinner front plate with an additional 0,197 inch (5mm) bore according to Fig.5
5. Install the bracket (A-1909-1), the clamp (C-149), the rubber damper (C-470), and the screws according to Fig. 1.
6. Adjust the composite distance piece (A-1559) that the long side shows in centerline direction.
7. Make sure that the Teflon covered surface from the rubber damper is in line with the outer surface from the spinner front plate according to Fig. 2. Make sure that the spinner cutout is done according to Fig.4 .

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8. Use at both screws below the head to the spinner front plate the washer C-311-3 according to Fig.3
9. Make sure that the fluid deice tube tip is in direction of the fluid deice boot in order to get a correct deicing function.
10. Torque stop nuts with 8 Nm (5,9 ftlbf).

Fig.1



Fig.2

Fig.3

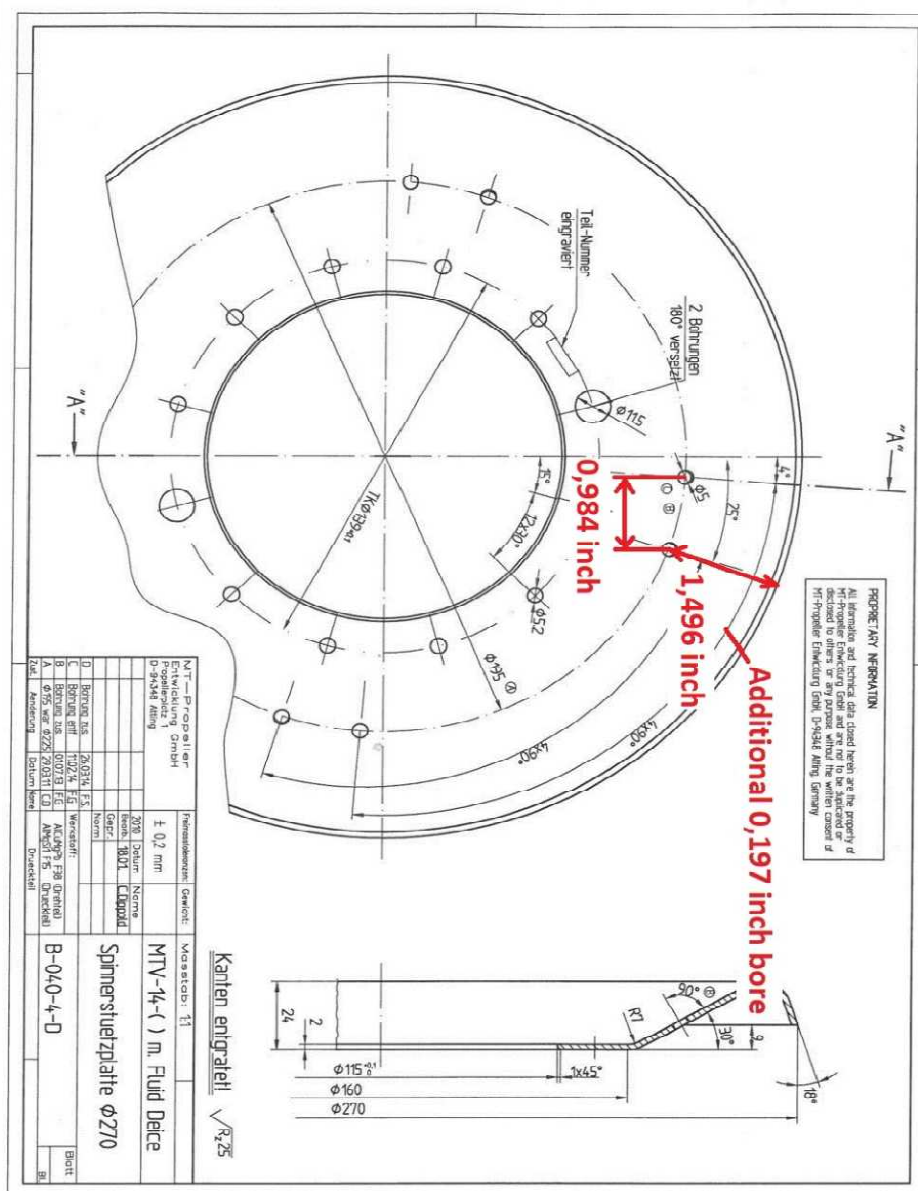
Fig.4



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Fig.5



Note:

All A&P's and Inspectors are allowed to perform this modification

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