



SERVICE BULLETIN

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REFERENCE PUBLICATIONS:

369D and 369E HMI Vol. 1 (CSP-D-2) Revised 15 June 1985.
369F/FF HMI Vol. 1 (CSP-F-2) Revised 15 August 1985.

PARTS LIST

<u>Part No.</u>	<u>Nomenclature</u>	<u>Qty.</u>	<u>Source</u>
369D25623	Belt, drive	1	MDHC
*369D25620	Pulley Assy	1	MDHC
*369D25622	Pulley Assy	1	MDHC
*369D25622-3	Pulley Assy	1	MDHC
*369D25624	Pulley Assy	1	MDHC

* If required

REPAIR MATERIALS

<u>Material</u>	<u>Specification</u>	<u>Source</u>
*Abrasive paper, silicon carbide, grade 320 (grit), wet or dry	P-P-101	Commercial
*Primer, catalyzed epoxy (yellow)	MIL-P-23377B	Commercial

* If required.

PART I PROCEDURE

- A. Gain access to the cooling blower assembly and visually inspect fan belt for excessive wear per Section 9 of applicable HMI Vol. 1.

NOTE

Signs of excessive wear include frayed belts showing white fibers, extremely worn belt teeth and heavy amounts of debris in the area of the smaller pulley.

- B. If there are no signs of excessive wear to the fan belt then proceed to Part II of this Notice within the next 75 hours of operation.
- C. If there are signs of excessive belt wear then proceed to Part II of this Notice immediately or before further helicopter operation.

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DN-139.1*
EN-27.1*
FN-15.1*

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PART II PROCEDURE

- A. Disassemble cooling blower assembly as required to gain access to pulley drive assemblies per Section 9 of applicable HMI Vol. I. Remove pulley assemblies.
- B. Using a new fan belt, perform inspection of pulleys by loosely wrapping drive belt around the pulley assemblies as shown in Figure 1.
- C. Figure 1 depicts acceptable and unacceptable meshing between the drive belt and pulley assemblies. Those smaller pulleys which are found to be acceptable shall be further inspected for having too sharp of teeth edges. The teeth on the smaller pulleys shall have edges which feel smooth when touched.
- D. All pulleys found to be UNACCEPTABLE shall be returned to an approved MDHC Service Center or Distributor for replacement.
- E. Those small pulleys found to mesh properly with the fan belt and yet have unacceptable teeth edges shall be further inspected and reworked per the following steps:

- 1) Measure O.D. of pulley from the tops of the pulley teeth as shown in figure 1.
Dimension #1 = _____ .
- 2) Measure O.D. from the bottoms of the pulley teeth grooves as shown in figure 1.
Dimension #2 = _____ .
- 3) Subtract "Dimension 2" from "Dimension 1".
Dimension #3 = _____ .
- 4) Divide "Dimension 3" by 2.
Dimension #4 = #3 / 2 = _____ .

Note - Dimension #4 shall not be less than 0.078; If Dimension #4 is less than 0.078, return pulley to an Approved MDHC Service Center or Distributor for a replacement part. If Dimension #4 is 0.078 or greater, rework pulley per the following steps:

- a) Mark retaining ring for proper placement during reinstallation.
- b) Adequately support retaining ring and carefully press pulley out of ring.
- c) Using abrasive paper, smooth edges of the teeth to obtain a corner radius of 0.020 to 0.030.

Note - Surface smoothness shall be that which is obtained using silicon carbide 320 grit paper. However, 120 grit abrasive paper may be used initially as long as the final finish has been obtained using 320 grit abrasive paper.

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PART II PROCEDURE CONT.

- d) Smooth old stake point on pulley (4 places).
- e) With same side facing pulley teeth, reinstall retaining ring and stake at four places half way in between old stake points.
- f) Using yellow primer paint, mark pulley as shown in Figure 1.
- F. Those larger pulleys found to mesh properly with fan belt shall be marked using yellow primer paint as shown in Figure 1.
- G. Using a new fan belt and acceptable pulley assemblies, reassemble cooling blower assembly per Section 9 of applicable HMI Vol. I except as noted below.

NOTE

The torque value currently called out in paragraph 9-45, step w of the 369F HMI Vol. I of 95-110 inch-pounds is incorrect. When installing pulley in blower assembly, tighten pulley nut to 160-190 inch-pounds plus drag torque.

- H. Record compliance of this Service Information Notice in the Compliance Record of helicopter Log Book.

WEIGHT AND BALANCE: Weight and balance not affected.

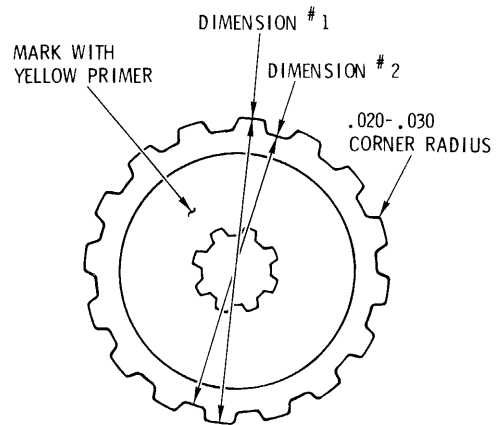
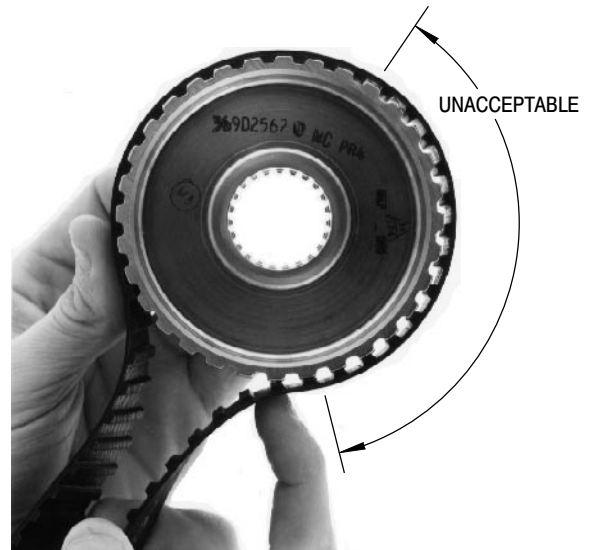
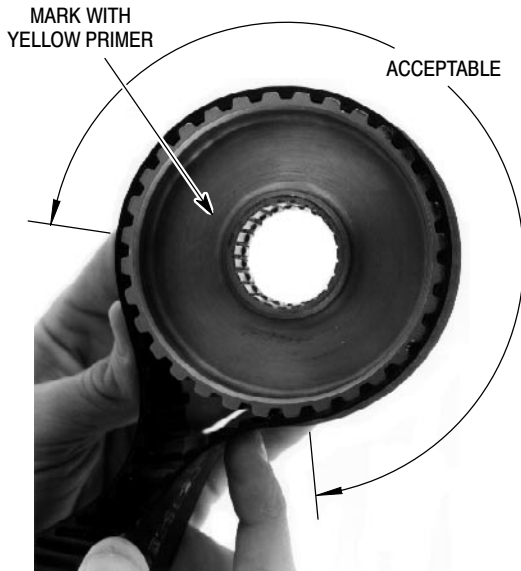
The resultant alteration to affected models as described by procedures in this Notice has been shown to comply with Federal Aviation Regulations and is FAA Approved.

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Figure 1. Cooling Fan Assembly Pulley Inspection/Rework

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