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ENGINEWISE

PW4000-100” 3rd STAGE LPT – MODIFICATION TO IMPROVE COOLING AIR FLOW

MODEL: PW4000-100”

ATA #: 72-35-19

P&W ENGINE MANUAL REF: 51A357

SB REF: PW4G-100-A72-264

INTRO:

The new 3rd stage LPT sealing ring cooling system developed by Pratt & Whitney was designed to address the Service Bulletin Alert PW4G-100-A72-264. The bulletin provided a fleet management plan for the LPT 4th stage Air Seal, PN 51N038. In addition to the new design 4th stage LPT air seal, modification will be necessary for the mating 3rd stage sealing ring and 4th stage disk.

The modification to the 3rd stage LPT sealing ring introduces additional cooling holes to improve air flow and optimize part lifecycle (Figure 01).

AVAILABILITY

Available from 6 Aug 2021 for part numbers:

50N529-01

50N529-101

BENEFITS

Improved cooling system

Optimize part lifecycle

PART REFERENCE

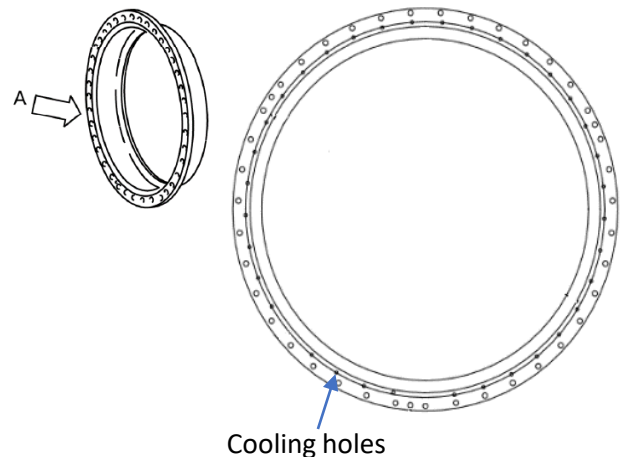


FIGURE 01: LPT 3RD STAGE SEALING RING FORWARD FLANGE

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