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ENGINEWISE

PW4000-112 HPC STAGE-11 BLADE TIP WELD REPAIR

MODEL: PW4000-112" 90K MODEL

ATA #: 72-35-17

P&W ENGINE MANUAL REF: REPAIR 11, SERIAL # 51A750

SB REF: N/A

INTRO:

The new repair for the PW4000-112" HPC stage-11 blades developed by Pratt & Whitney increases overall yield, reduces total cost of ownership and minimizes part scrap. Previous to developing this repair, 5% of the blades were scrapped due to undersized blade length (refer to Figure 01). With the new tip weld repair, undersized blade length can be restored via laser clad welding.

AVAILABILITY

This repair is available from November 2018 and will be applicable for the following typical part numbers:

- 50S511-01, 50S511-02, 50S511-03,
- 50S511-04, 56H511-01, 56H511-02
- 56H511-03, 56H511-04

BENEFITS

Increases yield by an estimated 5%
Reduces cost of ownership
Minimizes part scrap

PART REFERENCE

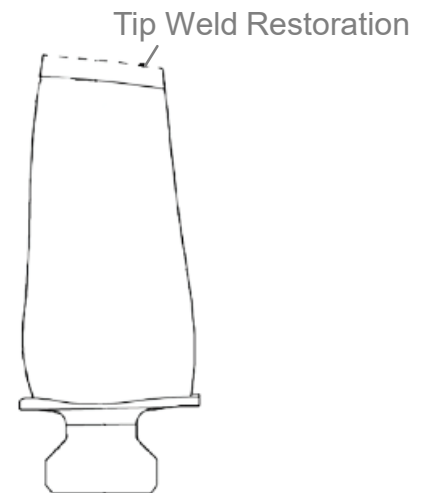


FIGURE 01: TIP WELD RESTORATION

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