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ENGINEWISE

PW4000-112 HPC STAGE-11 BLADE TIP WELD REPAIR

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.

SPECIFICS

P&W Engine Manual Ref: [Repair 11- PW2000](#)

[1A6231](#); [F117 1B2412](#)

Model: [PW4000-112" 90K MODEL](#)

ATA#: [72-35-17](#)

SB Ref: N/A

AVAILABILITY

This repair is available from November 2018

Repair applicable for following typical part number:

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

BENEFITS

Increases yield by an estimated 5%

Reduces total cost of ownership

Minimizes part scrap

PART REFERENCE

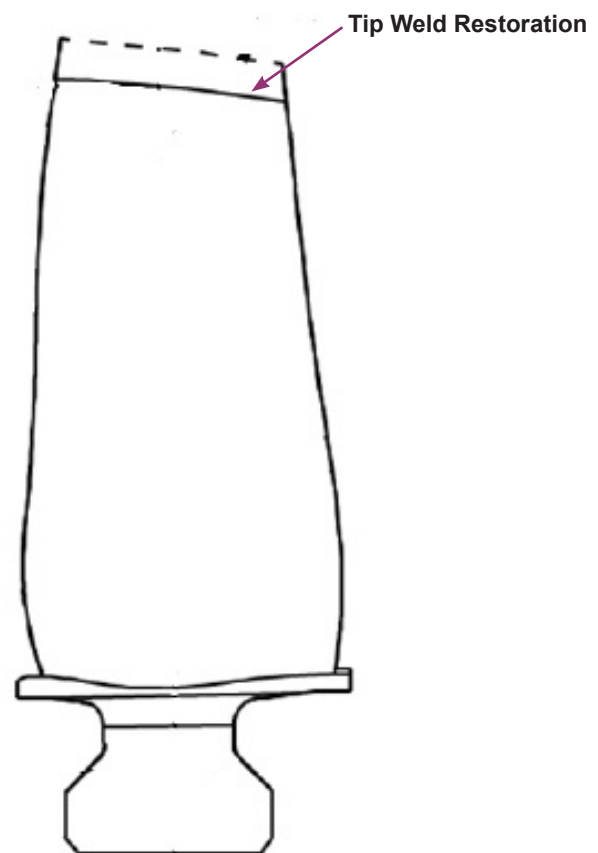


Figure 1: Tip weld restoration

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