

CF6-80C2 HPC Phase II Aero Vanes 3rd – 12th Stage Vane Tip Restoration

Engine	CF6-80C2
Manual	GEK 92451
Chapter	72-32-02
Repair	REP-004; Tip Weld Repair of Stages 3-12 Phase II Aero Vanes

Part Description HPC Phase II Aero Vanes Stages 3-12

Part Number

Stage 3: K463P02

Stage 4: K464P02

Stage 5: K465P03

Stage 6: K236P01 thru' P06 & K466P01 thru' P12

Stage 7: K467P01 thru' P04

Stage 8: K468P01 thru' P04

Stage 9: K239P01 thru' P06 & K469P01 thru' P06

Stage 10: K470P01 thru' P12

Stage 11: K471P01 thru' P04 & K471P15 thru' P18

Stage 12: K242P01 thru' P06 & K472P01 thru' P06



Description

Aptly named as the Phase II Aero Vanes due to its elliptical shaped airfoil, under normal operating condition the High Pressure Compressor (HPC) Phase II Aero Vanes in the CF6-80C2, will be subjected to tip damage which is attributed to oxidation, thermal cracking, and metal erosion causes by abrasives and corrosives in the flowing gas stream.

The purpose of this Tip Weld Repair is to restore the airfoil tip length back to its serviceable dimensional limit.