

A method for repair of guide apparatus of gas-turbine engine includes abrasive removal of protective coating, reveal of damaged and not damaged blades. The damaged blades are dismantled through unsoldering in argon medium where heating is carried out by plasma jet. To the ring of guide apparatus one installs new blades, and solder is placed to the gap between the blade and the ring. The blade and the solder are fixed with point welding of metal strip to the end of the blade and the ring at both sides of the blade. Soldering of the blade is carried out in vacuum chamber in argon medium at pressure from  $1 \cdot 10^{-2}$  Pa to  $5 \cdot 10^{-2}$  Pa with plasma jet that locally heats the soldered joint of the blade and the ring. Technical result: increase of quality of repair of guide apparatus and decrease of labor consumption at repair of gas-turbine engine.