

Action	Checked	Changed	Open Possibilities
All leakages checked and repaired	X	X	
New plasma connections		X	
Installation of new gas bottle (quality: 5.7)		X	
Power supply: stability of electricity system, vibrations, wires...	X		
Installation of by-pass		X	
Installation of different / same electrodes of different / same suppliers	X	X	
Small parts in torch	X	X	
Whole torch (leakages...)	X		
Special test: change of torch with other lamp (current was stable)		X	
Pipe installation (twice)	X	X	
Check of old torch in comparison to new one	X		
External power supply: there are different connections to external source for each machine → not checked, but can be excluded (very expensive)			X
Change water to special electric liquid			X
Stop of machines which were started new as the problem at both welding machines occurred at once (e.g. vane line) → Probably a connection			X
Exchange whole Argon (Tank, Pipelines) if Supplier can not prove the right gas quality and cleanliness			X
MFC exchange			X