



What is the problem?

The machine is locked in MMA mode. The display shows 15-17 amp welding current

The welding rectifier is short-circuited.  
There are two possibilities:  
1/ Exchange Main PCB: 82046210  
2/ Use troubleshooting guide: machine cannot weld

The mains fuses are released

The machine must use a 16 amp fuse. Is the fuse of the correct size?

No → Solve the problem

Yes

When are the mains fuses released?

When the machine is turned on

Is an automatic fuse in use?

Yes

The machine must use an automatic fuse with characteristics C. The fuse is released if a fuse with characteristics B is in use. Is the fuse of the correct type?

No

No

Solve the problem

Yes

When the trigger is activated

There are two possibilities:  
1/ Exchange Main PCB: 82046210  
2/ Use troubleshooting guide: machine cannot weld

> 70 VDC

During welding with an amp size  
> 50 amper

Which OCV can be measured between the  
dinse plug at the front of the machine?

< 70 VDC

There is a problem with the PFC system  
There are two possibilities  
1/ Exchange Main PCB: 82046210  
2/ Use troubleshooting guide: machine cannot weld

## Migatronic A/S

Arthur Nielsen

Page 2-2

# Rallymig 161i

## General troubleshooting

Rev: 0

21-05-2013