

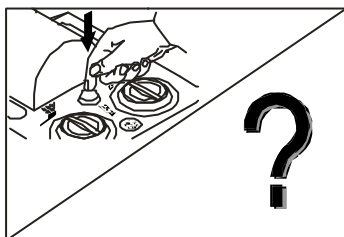


Components and part numbers - please find in the drawings "spare parts and repair ASSISTINA 301 plus" no.et00030135.

Problem

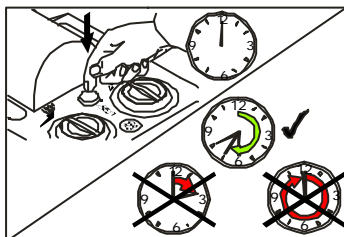
possible causes

repair procedure (no.)



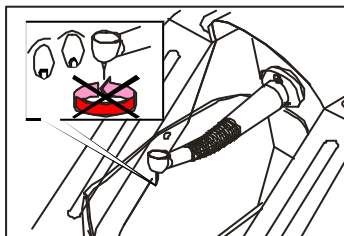
Not functioning

- Air not connected yet 1
- Compressor not in use 2
- Air supply broken 3
- Air pressure too low 4
- Flap valve (02686800) defective 5/6



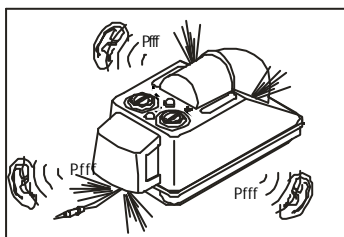
Cycle time more/less than 35±5 sec.

- Flap valve (02686800) dirty/defective 5/6
- Timer (no.4) dirty/defective 5/6



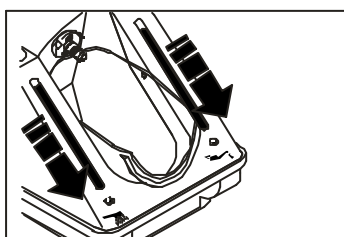
Test handpiece is not running

- Resistance of the instrument is too high 7
- Drive (no.1) defective 18/5/6
- Tubing to the drive motor is detached 8




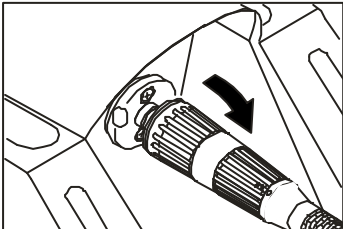
Air leak noises in the unit

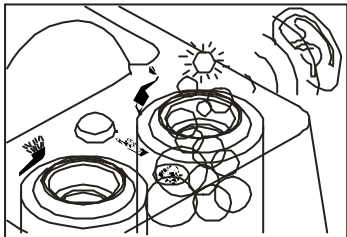
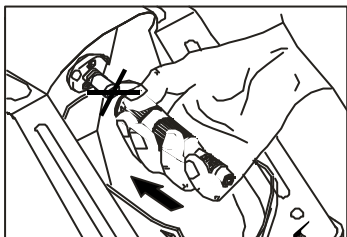
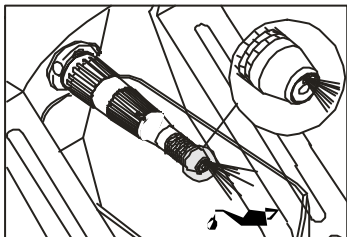
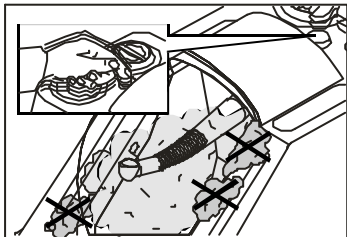
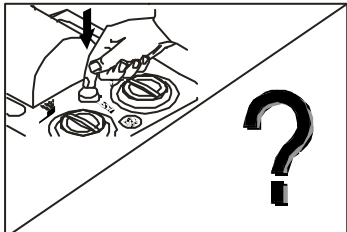
- Crack/Hole in tubing 6
- Tubing has come detached 8
- Pressure regulator has debris 5/6



Level of fluid indicator drops too fast

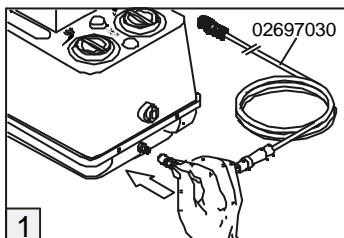
- Tubing between tank and indicator defective 6
- Tank is leaking 6

<u>Problem</u>	<u>possible causes</u>	<u>repair procedure</u> (no.)
	No oil or cleaning solution dispensing -Transport seals not removed -U-shaped seals (02687200) are dry -Pump (no.3) is defective -Defective tubing -Empty tank	9 10 5/6/11 6 12
	No oil getting through an air motor -Speed regulator of air motor in "0" position	13
	Ball of function indicator is steadily visible -Air bubbles under the ball -Stuck because of debris	14 14
	Ball of function indicator does not appear -Pump (no.3) defective -Tubing defective -Tubing not filled with fluid -Stuck because of "airlock" or debris -Indicator leaky	5/6/11 18/6 14 14 6
	Ball of function indicator not visible during operation; visible when not operating -Air in tubing system -Possible entry of air at a defective tube	14 6
	Instrument does stay on the adapter -Not completely attached -Latch is defective	15 6

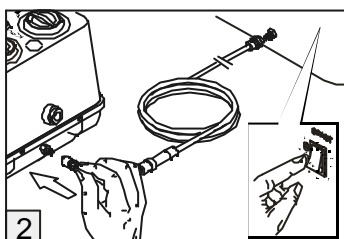
<u>problem - Problem</u>	<u>possible causes</u>	<u>repair procedure (no.)</u>
	Air bubbles in the fluid reservoirs - Pump seals (02687200) (no.3) dirty, defective or not installed correctly	5/6/11
	Instrument cannot be attached to the adapter - O-rings (02695710) out of place or defective - Drip guard not removed	16
	Oil comes through spray tubes of the instrument - O-ring (02695710) of motor coupling missing or defective	6/17
	Suction system doesn't work - leakage of aerosol mist in front of the unit - Tube connection between drive and suction pump detached - Filter (02670500) saturated or soiled - Suction pump has been pressed in or come apart	8 6
	Only limited function after starting - Air filter (02675200) in the airline is clogged	5/6

no.

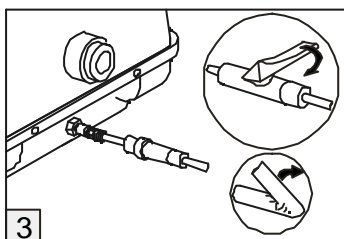
Repair procedure



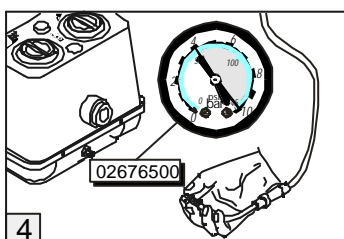
Connect air supply



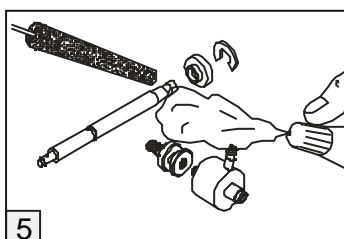
Turn on the compressor



Open the air supply line

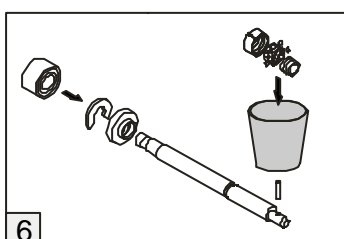


Adjust drive air pressure with manometer (02676500) between 4 and 10 bar flow pressure.
For perfect function a flow pressure no less than 5 bar is required.



Disassemble and clean the part(s), blow out with air

- Valve (02686800): blow out at side-nipple



Change defective parts



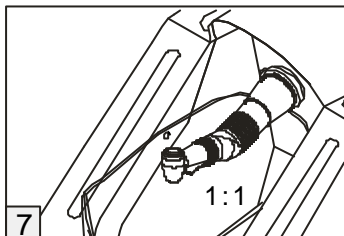
Filter (02670500): change after approx. 7000 cycles (or 1/2 l of oil)



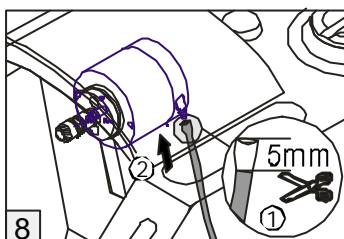
Air filter (02675200): when reusing pay attention to the air flow direction

no.

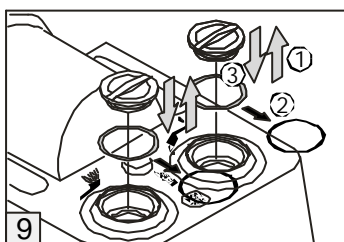
Repair procedure



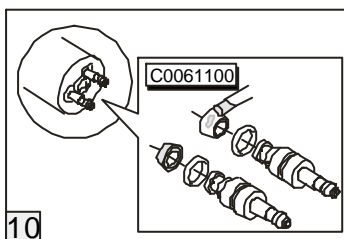
Check with a 1:1 contra angle



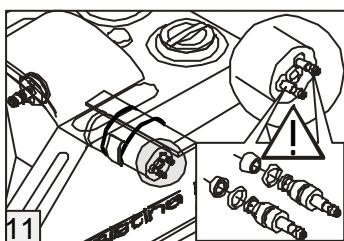
Shorten tube approx. 5 mm
and stick on again



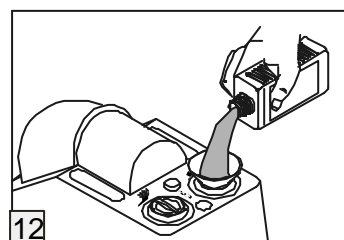
Remove the transport seal(s)



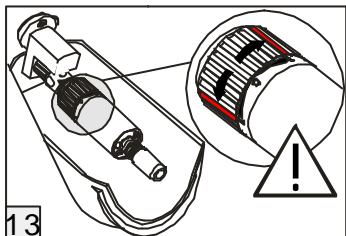
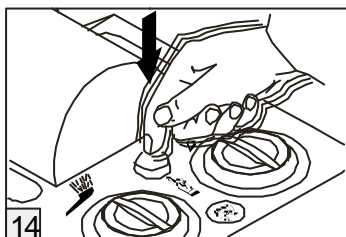
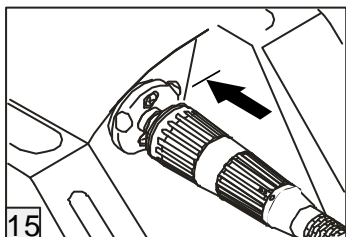
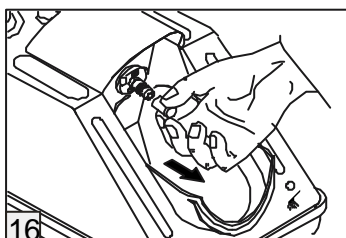
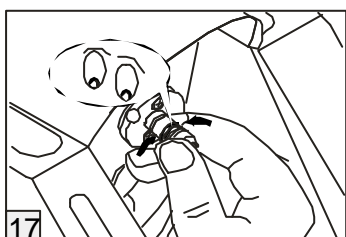
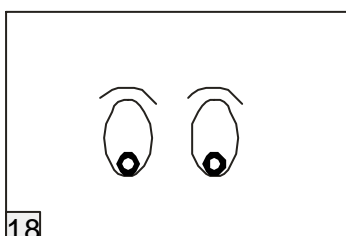
Grease the seals a little with
C0061100



Pay attention to the correct
directional assembly of the pump
seals.



Fill the tank(s)

<u>no.</u>	<u>Nr.</u>	<u>Repair procedure</u>
13		Turn speed regulator of the air motor to the maximum (left-/right handed rotation)
14		Press start button (no.2) repeatedly
15		Attach the instrument/adaptor to the motor coupling stem
16		Remove the drip guard (02676400)
17		Replace o-ring(s) 02695710; check for correct assembly
18		Check