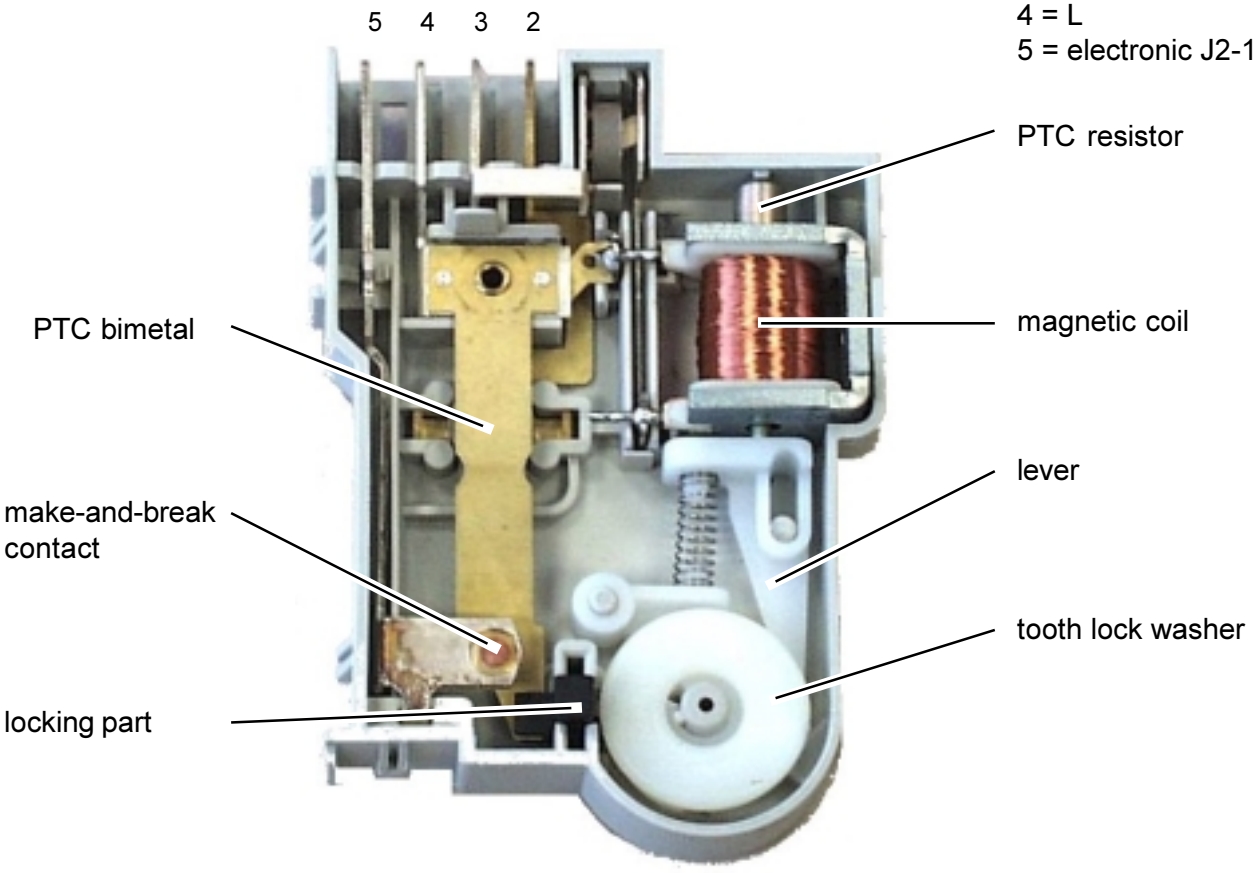
Service Program

Fault indication by multifunctionsdisplay LCD

Fault code		Type of fault	Remedy	Alarm Code		EWM20000	EWM10000 WD00109	EWM10000 WD00200	EWM10000plus	EWM20000EVO	EWM20000NEW
E80	**E82**	Wrong selector reset postion detection	Replace electronic		**A**		**X**	**X**	**X**	**X**	**X**
	E83	Wrong selector reading	Wrong configuration of the machine Replace electronic	**4**	**S**		**X**	**X**	**X**	**X**	**X**
	E84	Recirc. pump sensoring failure Input voltage allways 0V or 5V	Replace electronic	**1**	**A**	**X**				**X**	**X**
	E85	Recirculation pump defect Triac defective	Replace recirculation pump Replace electronic	**2**	**A**	**X**				**X**	**X**
E90	**E91**	Interrupted communication between In/Output electronic and mainelectronic	Replace cable Replace electronic Replace In/Output electronic	**0**	**A**	**X**			**X**	**X**	**X**
	E92	Incongruence between In/Output electronic and electronic	In/Output electronic is incompatible with electronic	**1**	**A**	**X**			**X**	**X**	**X**
	E93	Configuration error	Wrong configuration of the machine	**1**	**A**	**X**	**X**	**X**	**X**	**X**	**X**
	E94	Lost of cycle datas	Wrong configuration of the machine Replace electronic	**1**	**A**	**X**	**X**	**X**	**X**	**X**	**X**
	E95	Communication error between microprocessor and EEPROM	Replace electronic	**0**	**A**		**X**	**X**	**X**	**X**	**X**
	E96	Incongruence between Hardware-version and cycles configuration	Wrong configuration of the machine Replace electronic	**0**	**A**		**X**	**X**			
	E97	Incongruence between selector and cycles configuration	Wrong configuration of the machine Replace electronic	**0**	**A**		**X**	**X**	**X**	**X**	**X**
	E99	Connection between loudspeaker and In/Output electronic	Replace loudspeaker Replace wiring	**0**	**A**					**X**	**X**
	E9A	Firmware between loudspeaker and In/Output electronic not ok	Replace In/Output electronic	**0**	**A**					**X**	**X**
EA0	**EA1**	DSP defect	Replace DSP Replace electronic Replace wiring Cut drive belt	**5**	**S**	**X**	**X**	**X**	**X**	**X**	**X**
	EA2	DPS sensing defect	Replace electronic			**X**					
	EA3	DPS unable to lock motor pully	Replace DPS Replace electronic Replace wiring Cut drive belt			**X**					
	EA4	DPS defect	Replace DPS Replace electronic Replace wiring			**X**					
	EA5	Triac for DPS defect	Replace electronic			**X**					
	EA6	Drum have blocked in the first ca. 30sec.	Cut drive belt Replace DSP Drum lid not closed					**X**	**X**	**X**	**X**
EB0	**EB1**	Power supply frequency out of limits	Wrong or disturbed power supply line Replace electronic	**0**	**A**		**X**	**X**	**X**	**X**	**X**
	EB2	Power supply voltage too high	Wrong or disturbed power supply line Replace electronic	**0**	**A**		**X**	**X**	**X**	**X**	**X**
	EB3	Power supply voltage too low	Wrong or disturbed power supply line Replace electronic	**0**	**A**		**X**	**X**	**X**	**X**	**X**

Door Lock

2 = N
3 = impulse electronic
4 = L
5 = electronic J2-1

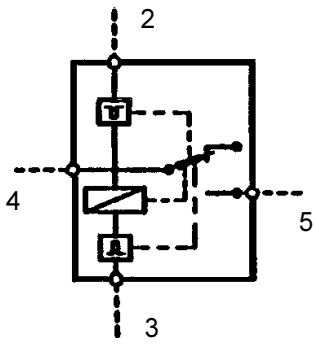


When closing the lid the door lock gets an impulse from the electronic by contact 3. The impulse feeds the magnetic coil over the PTC resistor. This moves the lever down and the tooth lock washer is forwarded by another tooth. This can be heard by a click. The locking part is unlocked, the lid is closed.

When opening the lid, e.g. with the start/pause button or at the end of the cycle, the door lock gets two impulses from the electronic. The tooth lock washer is moved twice. Only because of the second impulse the lid can be opened **immediately**.
The second impulse unlocks the locking part mechanically through the tooth lock washer.
Why two impulses?
The door lock is controlled by a triac which is on the main circuit board. If there is a triac short circuit, the electronic sends an impulse to the door lock. The customer could open the appliance, if the second impulse was not required.

If there is a **power failure** during a wash cycle, the door lock requires approx. 2 min until the lid can be opened. During this time the PTC bimetal cools down and the locking part opens.

Circuit Diagram



Security:
(see page **Service - Program** fault display E40)