Event- & Error-List

WMF 5000S

KSS Technical Support
version: 03/2020

Rev. 06 – based on software version 3.1.8

Message type	Category	Event flashing	Information content for customers	Description
Event	1 a	X	Action required soon	e.g. Cleaning required
	1 b	X	Actionrequired immediately/ the coffee machine is ready for use, but not all of the functions are available	e.g. portioner 1 is empty
	1 c	X	Immediate action required/ the coffee machine is not ready for use	e.g. forced cleaning
	1 d		current operating condition	e.g. 1st heating-up please wait
Error	2	X	Machine has a fault, further information where applicable	e.g. error message (F8)
	2 d		Error without display in screen but entered in the error list / error memory	e.g. machine was not shut off properly (9574
Maintenance	3 a		Action required soon	e.g. change scale filter soon
	3 b		immediate action required	e.g. Care kit

Service Errorcode	Error Category	Display Text (E)	Error Description	Reason	Solution
9013	2	Switch coffee machine off and on again.	Brewer motor	Encoder or cable defective.	Check encoder / cable
9017	2	Switch coffee machine off and on again. In case of error, please call service!	Standardizing error brewer motor. Standardization will be done after machine switch-on.	Brewing chamber not empty. Ground coffee or mechanical reason (stiff)	Switch machine off and on again
9042	1 d	Please wait, boiler is filled with water, beverage dispensing is blocked	Beverage lockout at low water	Water is refilled	
9053	1 a	Cleaning required	Machine should be cleaned	Cleaning prompt by default 26 h. Beverage dispensing is not blocked.	Carry out cleaning.
9055	1 c	Forced cleaning	The machine must be cleaned	Limit time reached or cleaning has been interrupted. Machine must be cleaned. Dispensing of coffee beverages blocked.	Carry out cleaning.

9062	1 d	Machine is switched off	Off-button is pushed, machine is switched off.		
9063	1 b	[graphic]	Power input of grinder	Beans empty. Idle current level	Refill beans, carry out idle current
9064	1 b	[graphic]	Power input of grinder below idle current level.	Beans empty. Idle current level wrong	Refill beans, carry out idle current calibration
9068	1 c	[graphic]	Grounds container not inserted	Grounds container removed or grounds container/grounds container switch defective.	Reinsert grounds container, check grounds container resp. grounds container switch
9069	1 c	[graphic]	Grounds container is full.	Filling counter has reached full level.	Empty grounds container. Grounds container must be removed longer than minumum emptying time.

9070	1 a	[graphic] Empty grounds container soon	Grounds container will be full soon. Message can be confirmed and further beverages can be dispensed.	Filling counter has reached warning level and will be full after only few brewings.	Empty grounds container.
9071	1 c	Empty grounds container	External grounds container is full.	Filling level of the external grounds container has exceeded the max. filling level.	Empty external grounds container
9072	1 d	Manual insert open: Please close manual insert	Tablet insert / Manual insert has been opened during beverage dispensing	Tablet insert / Manual insert has been opened; reed sensor defective or magnet missing	Close tablet insert / manual insert; check reed sensor or magnet resp. change them
9073	1 d	Insert ground coffee, close manual insert and select beverage	Manual insert lid has been opened. Coffee can be brewed with ground coffee powder which must be inserted through the manual insert.		Fill in ground coffee powder, close manual insert and press beverage button
9074	1 c	Operating panel is open, please close operating panel	Operating panel is raised.	Operating panel is open; front panel switch is defective.	Close operating panel, check front panel switch.
9076	2	Water pressure missing. Please open water supply.	During beverage dispensing a water infeed pressure below 0,5 bar has been detected. After	Water supply closed. On-site water pressure fluctuations.	-> Open water supply -> Check on-site water infeed pressure. If required, provide for constant water pressure.

9077	2	Leakage water detected. Switch coffee machine off and on again. In case of error, please call service and	Leakage water detected.	e.g. valve leaky due to chips of scale	Repair leakage
9078	3 b	Water filter exhausted, please exchange	(Set) filter capacity has been reached	(Set) filter capacity has been reached	Exchange water filter
9082	1 b	Milk in milk cooler too warm. Dispensing	Set temperature level of	Warm milk has been refilled	Wait or exchange milk.
9083	1 b	Attention cooler temperature is in freeze	Lower temperature level of	Milk cooler temperature is set	Re-adjust cooler temperature
9084	1 c	[graphic] Fill water tank	Water tank is removed or empty.	Water tank is removed or empty; tank sensor is defective.	Fill and reinsert water tank; check tank sensor
9087	2	Water pressure during beverage dispensing too low. Please open water supply completely.	On-site water pressure falls during brewing process below the pre-set value.	Pressure fluctuations	Check on-site connection (pipe system)
9091	3 b	[graphic] Service brewer due. Please change brewer	Service brewer due	Number of brewings reached	Exchange brewer
9092	3 b	[graphic]	Descaling due	Without water filter: Water	Carry out descaling.
9108	1 d	[graphic]	1st heating-up please wait		Wait...
9121	1 d	[graphic] Warm rinsing running	Warm rinsing running	Warm rinsing running	Wait...
9123	2	Switch coffee machine off and on again. In case of error, please call service!	Error during moving into brewing position!	Error during moving into brewing position! (possibly	Switch machine off/on, check brewer resp. brewer motor

9178	1 c	[graphic] Grounds container empty?	Grounds container has been emptied. The operator is asked whether the grounds container has been emptied.	Grounds container has been emptied	Confirmation with Yes erases the filling level counter; interruption with No does not erase the filling level counter
9184	1 d	[graphic]	Foamer rinsing running	..	wait
9194	1 a	Milk empty soon, please refill milk.	Milk empty sensor 1 reports too little milk	Milklevel below milk sensor. Beverage lockout is activated,	Refill milk
9213	1 d	machine heats up, beverage dispensing is blocked!	Boiler or steam boiler temperature too low.	Large quantities of hot water or steam have been dispensed,	Wait
9216	2	Switch coffee machine off and on again.	Brewing time limit	Beverage could not be	Grinding degree possibly too fine or
9298	3 b	[graphic] Service care due. Please fit care kit!	Care kit due	see service concept	Carry out care
9299	3 b	[graphic] Service maintenance1 due. Please call service!	Service due service maintenance 1	see service concept	Carry out service maintenance 1
9300	3 b	[graphic] Service	Service due service revision	see service concept	Carry out revision

9301	3 b	[graphic] Descaling due. Please carry out descaling!	Carry out descaling	see service concept	Carry out descaling
9302	3 b	[graphic] To	Service due water filter	see service concept	Exchange water filter
9303	3 b	[graphic] Service grinder 2 due. Please call service!	Service grinder 2 due	see service concept	Change grinder disks grinder 2
9304	3 b	[graphic] Service	Service grinder 1 due	see service concept	Change grinder disks grinder 1
9306	3 b	[graphic] Service powder hopper 1 due. Please call service!	Service due powder hopper 1	see service concept	Exchange powder portioner 1 motor
9307	3 b	[graphic]	Service due. Mixer 1 mixer	see service concept	Exchange mixer 1
9335	2	Switch coffee machine off and on again. In case of error, please call service!	Overtemperature steam wand sensor	Overtemperature (> 200°C) or temperature sensor short circuit	Sensor defective resp. exchange sensor
9336	2	Switch coffee machine off and on again. In case of error, please call service!	Temperatur break steam wand sensor	Sensor removed or cable break (< -4°C)	Plug on sensor/exchange
9344	1 b	Please refill milk	Milklevel below Milksensor (1)	Milklevel Milk 1 below Milksensor. Beverage lockout is not selected	Refill milk

9345	1 a	Please refill milk 2	Milklevel below Milksensor (2)	Milk level Milk 2 below milk sensor. Beverage lockout is not selected	Refill milk 2
9346	1 b	Please refill milk. No dispensing of beverages with milk!	Beverage lockout reached. No dispensing of beverages with milk!	Number of remaining beverages dispensed. Beverage lockout reached.	Refill milk
9347	1 c	Please refill milk 2. No dispensing of beverages with milk!	Beverage lockout reached. No dispensing of beverages with milk!	Number of remaining beverages dispensed. Beverage lockout reached.	Refill milk
9357	1 c	Check water supply	External water tank is empty		Fill water tank...
9361	1 c	Please carry out milk system cleaning	Milk system cleaning required		Carry out milk system cleaning

9364	1 c	[graphic] Please empty drip tray	Drip tray full.	Drip tray sensor reports full	Empty drip tray, dry sensor area
9400	2	Switch coffee machine off and on again. In case of error, please call service!	Configuration faulty	Configuration file faulty	Upload backup from USB stick to machine or prgram again and restart machine
9406	2	Switch coffee machine off and on again. In case of error, please call service!	IO, Timeout Timeout at On/Off on time or one entry has not reported within a required time.	Error during communication with the underlying hardware. Software error	Check communication (CAN, serial, network), retry
9429	2	Please check whether brewing unit is inserted correctly?	Motor, timeout during start of movement Motor does not even start moving or does not reach its destination.	Brewer blocked or dirty. Communication with power stage lost. Motor blocked. Encoder defective. Drive parameter (e.g. drive current) faulty.	Brewer, Motor, encoder, check driving parameters and driving routes.
9456	2	Switch coffee machine off and on again. In case of error, please call service!	Overcurrent brewer control recognized. Machine not ready	Overcurrent brewer control recognized. In order to protect the power stage all outputs are	Check and exchange brewer components

9457	2	Switch coffee machine off and on again. In case of error, please call service!	Overcurrent grinder control recognized. Machine not ready	Overcurrent grinder control recognized. In order to protect the power stage all outputs are switched off	Check and exchange grinder components
9458	2	Switch coffee machine off and on again. In case of error, please call service!	Overcurrent output control recognized	Overcurrent output control recognized. In order to protect the power stage all outputs are switched off	Check and exchange valves
9459	2	Switch coffee machine off and on again. In case of error, please call service!	Overcurrent motor control recognized	Overcurrent motor control recognized. In order to protect the power stage all outputs are switched off	Check and exchange motors
9463	2 d	Guarding error, node does not respond once within the predetermined time period.	Guarding error, node does not respond once within the predetermined time	Hardware, Timing, ..	Service
9467	1 b	[graphic]	Portioner 1 empty Brewer detects too little ground coffee in the brewing chamber.	Brewer detects too little ground coffee in the brewing chamber.	Refill portioner 1 and confirm message. The already portioned ground coffee is disposed of and the total quantity is portioned again (plus additional time in
9468	1 b	[graphic]	Portioner 2 empty Brewer detects too little ground coffee in the	Brewer detects too little ground coffee in the brewing chamber.	Refill portioner 2 and confirm message. The already portioned ground coffee is disposed of and the total quantity is
9475	1 c	[graphic] Drip tray resinserted?	Drip tray missing	Drip tray removed	Reinsert drip tray

9476	1 c	[graphic]	Grounds container missing (see 9068)		Reinsert grounds container
9477	2	Switch coffee machine off and on again. In case of error, please call service!	PowerFail detected	Under- resp. overcurrent; interruption of power supply	Under- resp. overcurrent; check power supply / plug-in connection
9478	2	Switch coffee machine off and on again. In case of error, please call service!	Power input too high	Power input too high before or on power stage. Electrical error in machine. Short circuit at 24/30V	Check 24/30V components / exchange defective components
9479	2	Switch coffee machine off and on again. In case of error, please call service!	Voltage does not swich on	Electrical error in machine. Short circuit at 24/30V	Analyse and eliminate error
9480	2	Minimum flow brewing. Repetition: Please confirm	Minimum flow is underrun during testing	Wrong settings	Confirm error message, reset settings and test again
9484	2	Timeout during filling of boiler. Please open water supply or fill water tank.	During 1st heating up timeout has been detected at steam boiler supply.	Water tap closed or no water in tank	Open on-site water supply. Fill water tank
9487	2	Switch coffee machine off and on again. In case of error, please call service!	Brewer not standardised, position invalid.	Error in Init of machine or switched to component test	check sensor / motor

9488	1 c	Manual insert open too long. Please close manual insert. Beverage is not dispensed.	Manual insert brewing has been started, but manual insert lid has not been closed again within the time limit.	Manual insert open or manual insert switch defective.	Close manual insert or check manual insert switch.
9489	2	Manual insert has opened independently. Please close manual insert. Select beverage again.	During beverage dispensing (with brewing) manual insert is opened.		Insert has opened independently. Please close manual insert. Select beverage again.
9490	2	Switch coffee machine off and on again. In case of error, please call service!	Max. number of brewer motor current errors is reached!	Brewer too stiff or quality level too high. Error multiply recognized	Check brewer, clean it or adjust quality level.
9491	1 d	[graphic]	Mixer rinsing running	Automatic mixer rinsing running	C]
9492	3 b	[graphic] Service	Service due service maintenance 2	see service concept	Carry out 2-year maintenance
9493	3 b	[graphic] Service descaling due. Please carry out descaling!	Descaling due	see service concept	Descale machine

9496	3 b	[graphic] Service brewer motor due. Please call service!	Service due brewer motor	see service concept	Change brewer motor
9499	3 b	[graphic] Service grinder 2 motor due. Please call service!	Service grinder 2 motor due	see service concept	Change motor grinder 2
9500	3 b	[graphic] Service grinder 1 motor due. Please call service!	Service grinder 1 motor due	see service concept	Change motor grinder 1
9502	1 d	[graphic]	Warm rinsing milk system	Warm rinsing running	C]
9506	1 c	Milk system cleaning has to be completed in order to release dispensing of beverages with milk. Continue cleaning process?	Milk cleaning must be completed in order to use the milk system again.	Milk cleaning has been carried out during machine cleaning. In order to use milk beverages after restart, milk must be	Confirm message so that the Easy Milk/Dynamic Milk cleaning can be continued and completed

9507	2	Water pressure missing. Please open water supply / fill water tank.	Water pressure missing. Please open water supply / fill water tank.	Water pressure check has been carried out. Error in brewer path has been recognized.	Open water tap/fill fresh water tank. Afterwards, confirm message
9508	1 b	Switch coffee machine off and on again. In case of error, please call service!	Temperature sensor cooler is not recognized, A temperature value of -128°C means that sensor is	No cooler (wrong configuration), cable break, ...	Check configuration / cable
9509	1 b	Switch coffee machine off and on again. In case of error, please call service!	Temperature sensor cooler reports -12°C. Temperature sensor	Temperature sensor reports undertemperature milk	Check / exchange temperature sensor
9510	1 b	Milk too warm. Switch on cooler, test.	Milk too warm	Temperature sensor reports overtemperature milk	Switch on cooler and check function
9511	1 c	Please continue and complete descaling	Continue descaling	During descaling machine has been switched off.	Continue descaling.
9512	2	Switch coffee machine off and on again. In case of error, please call service!	sensor break temperature sensor brewing water	sensor break temperature sensor brewing water	Change temperature sensor brewing water

9514	1 d	Attention! Hot water can flow from hot water spout!	Grounds container has been pulled out cleaning!		Additional query required. If the hot water dispensing is interrupted by an action (grounds container, front panel, water pressure switch.,,,), a query is required prior to proceeding in order to continue the once confirmed hot water dispensing.
9516	2	[graphic] Grinder blocked. For description, please consult user manual!	Portioner 1 blocked	Grinder blocked	Check /clean grinder or adjust grinding degree.
9517	2	[graphic] Grinder blocked. For description, please consult user manual!	Portioner 2 blocked	Grinder blocked	Check /clean grinder or adjust grinding degree.
9528	1 d	Switch-off rinsing running	Switch-off rinsing running		Wait
9529	1 d	Manual insert processing Timeout: Brewing chamber contents is discharged	Tablet insert has been opened without request and closed again. Manual insert has been opened too long, time excess manual insert processing.	Operating error	Confirm, afterwards brewer goes into basic position

9530	1 b	Please proceed milk system cleaning.	Forced Milk system cleaning	Milk system cleaning neccessary	proceed Milk system cleaning
9531	1 d				
9532	2	Switch coffee machine off and on again. In case of error, please call service!	Error during moving into position!!! (possibly power too low)	Motor could not reach target position	Switch machine off and on again; check brewing unit for stiffness
9535	1 d	First filling of boiler	First filling of boiler		wait
9539	1 a	Milk 2 empty soon, please refill milk.	Milk 2 empty sensor reports too little milk available, defined remaining quantity not yet reached, milk beverages not blocked.	Milklevel 2 below milk sensor. Beverage lockout is activated, Number of beverages will dispensed until beverage lockout.	Refill milk 2 or cancel display message!
9540	1 d	Ventilation water system			Water system
9572	1 c	[graphic] Please empty drip tray	Drip tray full.	Drip tray sensor reports full between cleaning cycle	Empty drip tray, dry sensor area

9574	2 d	The machine has not been switched off correctly. On-/Off-switch pushed longer than 5s.	The machine has not been switched off correctly. (PowerFail) Button pushed longer than 5s, plug pulled out.	The machine has not been switched off correctly. (PowerFail) Button pushed longer than 5s, plug pulled out.	Inform customer to push the off-switch only shortly.
9575	2	Idle current measuring failed.	During grinder idle current calibration the current value was too high for too long (35 sec.) during emptying of grinders.	-> bean hoppers not locked -> grinding degree set too fine (grinding disks drag)	-> lock bean hoppers -> set grinding degree coarser (no dragging audible)
9576	2	Idle current measuring failed.	During grinder idle current calibration the current value was too high for too long (35 sec.) during emptying of grinders.	-> bean hoppers not locked -> grinding degree set too fine (grinding disks drag)	-> lock bean hoppers -> set grinding degree coarser (no dragging audible)
9582	2	Machine is restarted	Internal programmer code to make a CtrlApp restart (reboot)	Machine cleaning, descaling, boiler pressure check interrupted by an error, CtrlApp must be started again.	Start function again

9583	2	Boiler heating has been deactivated for service purposes. Switch heating on again?	After pressure reduction routine heating remains off until it is activated again by the service.	Pressure reduction routine has been carried out.	
9584	2	Minimum flow descaling. Repetition: Please confirm	Minimum flow underrun during descaling	Too little FM pulses have been recognized.	After confirmation, descaling is continued
9587	2	Error received from tank sensor	Error received from tank sensor		
9588	2	Tank sensor missing	Tank sensor missing		

9589	2	Timeout during automatic filling of water tank	Timeout during automatic filling of water tank		
9590	2	Insert water tank!	Sensor did not recognize water tank	Water tank not inserted Water tank sensor defective Cable water tank sensor not plugged in	Insert water tank Exchange water tank sensor Plug cable into water tank
9595	2	External waste water tank is full			Empty external waste water tank

9600	1 c	Close splash guard	Beverage cannot be dispensed as splash guard is still open	Splash guard is open	Close splash guard
9605	1 d	Take beverage out	Take beverage out	Beverage dispensed, face guard not opened yet	Open face guard, take beverage out and close face guard again
9606	2				
9608	2 d	Cyclic warm rinsing of mixer in order to keep it at correct temperature	Cyclic warm rinsing of mixer in order to keep it at correct temperature	Activated in menu, can be deactivated	
9614	1 b	Please refill milk	Inline sensor only for Dynamic Milk Machine reports that there is no milk in hose.	Milk empty	Refill milk

9617	1 b	Milch 1 filled?			
9618	1 b	Milch 2 filled?			
9630	1 d	Heating-up phase after Eco mode. Please wait.	Machine cooled down to Eco Mode. Requires short heating-up phase in order	Eco Mode active	Wait until machine is heated up
9632	2	Switch coffee machine off and on again. In case of error, please call service!	Data base could not be loaded. Machine cannot boot.	Data base defective	Change front panel if restart does not help

9633	2	Switch coffee machine off and on again. In case of error, please call service!	Version table cannot be read from the data base. Machine cannot boot.	Data base defective	Change front panel if restart does not help
9634	2	Switch coffee machine off and on again. In case of error, please call service!	Table MachineData cannot be read from data base. Machine cannot boot.	Data base defective	Change front panel if restart does not help
9635	2	Switch coffee machine off and on again. In case of error, please call service!	Table OperationalFlags cannot be read from data base. Machine cannot boot.	Data base defective	Change front panel if restart does not help
9662	3 a	Please exchange water filter soon, only %1 litre(s) capacity.			

9664	2	Cleaning Canceled. Machine has to be restarted. Please confirm	Cleaning canceled by user, machine must be restarted.	Cleaning manually canceled by user.	If required, carry out cleaning again after restart.
9667	2	Water pressure missing. Please open water supply.	During coffee preparation the pressure sensor has detected a brewing pressure below 3 bar	Water supply closed. On-site water pressure fluctuations.	-> Open water supply -> Check on-site water infeed pressure. If required, provide for constant water pressure. -> Check pressure sensor
9668	2	Water pressure missing. Please open water supply.	During beverage dispensing a water infeed pressure below 0,5 bar has multiply been detected and	Water supply closed. On-site water pressure fluctuations.	-> Open water supply -> Check on-site water infeed pressure. If required, provide for constant water pressure.
9669	2 d	Milk sensor reports that flow is too low which causes the milk empty message	Ultrasonic sensor reports that flow is too low. Error reported in addition to error (9614) milk empty	Milk empty caused by a flow error. Reported in addition to error 9614. If only error 9614 is reported, the cause is empty	Refill milk. Customer uses bag-in-box. Flow error is detected here.
9670	1 d	Machine has been blocked externally by remote data access.	Machine blocked. Beverage dispensing not possible.	Machine has been blocked by remote data access.	Machine can be released again by remote data access.

9684	2	Switch coffee machine off and on again. In case of error, please call service!	Motor drive has been started but no change detected at encoder	no pulses detected by encoder even though motor is triggered	Check motor, encoder
9691	2 d				
9701	1 d		Boiler heating was deactivated by external energy management	Consequence of the deactivation of the boiler heating via CMRemote. All recipes requiring hot water are	Activate boiler heating via CMRemote
9702	1 d		Steam boiler heating was deactivated by external energy management	Consequence of the deactivation of the steam boiler heating via CMRemote. All recipes requiring steam are greyed out.	Activate steam boiler heating via CMRemote

9710	1 d	New media package ready for installation	New media package ready for installation	New media package ready for installation	The machine has received a new media package which needs to be installed. The media package can be installed in the menu -> System -> Telemetry -> Remote actions.
9827	1 d	Firmware update powerstage is running	Powerstage is updated	Update of powerstage firmware	Update powerstage is running
9879	2	Switch coffee machine off and on again. In case of error, please call service!	No recipe found for the pushed buttons.	The button allocation has been changed but not updated in the software.	Wait a moment and retry or carry out a restart of the machine.
9880	2	Check and set time Switch coffee machine off and on again. In case of error, please call service!	Current time settings invalid		Set time.
9881	1 c	Please select beverage	Waiting for beverage start,	Beverage to be prepared	Press beverage button within limit time,
9883	2	Please carry out power stage update	Power stage: Firmware	The read firm ware version does	Update power stage
9887	2	Switch coffee machine off and on again. In case of error, please call service!	Side illumination: firmware version is not compatible	The read firm ware version does not correspond to the expected one.	Check card, firm ware, wiring.
9890	2	Firmware update power stage is carried out	Firmware update power stage is active. Carried out either during startup, if no firmware of	-> Firmware power stage not recognized	-> Carry out firmware update power stage

9891	2	Power stage not suitable for machine.	Wrong power stage	Power stage of 1500S in use	Use power stage 5000S with correct software
9892	1 b	Syrup bottle 1 empty. Please change bottle.	Syrup bottle 1 empty. Please change bottle.	Bottle empty	Change bottle
9893	1 b	Syrup bottle 2 empty. Please change bottle.	Syrup bottle 2 empty. Please change bottle.	Bottle empty	Change bottle
9894	1 b	Syrup bottle 3 empty. Please change bottle.	Syrup bottle 3 empty. Please change bottle.	Bottle empty	Change bottle
9895	1 b	Syrup bottle 4 empty. Please change bottle.	Syrup bottle 4 empty. Please change bottle.	Bottle empty	Change bottle
9896	1 b	Syrup bottle 5 empty. Please change bottle.	Syrup bottle 5 empty. Please change bottle.	Bottle empty	Change bottle
9897	1 b	Syrup bottle 6 empty. Please change	Syrup bottle 6 empty.	Bottle empty	Change bottle
9902	2	Please carry out power stage update	Power stage syrup:	The read firm ware version does	Update power stage
F120	2	Switch coffee machine off and on again. In case of error, please call service!	CAN connection of power stage, front panel, syrup	Cable broken or not plugged in. For example, syrup station	Check cable / coding; deactivate not available components in machine

F121	2	Switch coffee machine off and on again. In case of error, please call service!	Dialogue error CAN, no communication with at least one node (power stage/stepper)	Node not available, load resistance, cable break	Check load resistance
F130	2	Switch coffee machine off and on again. In case of error, please call service!	General current error, Total power input of machine exceeds the upper limit	Short circuit 24V/30V	24V/30V check / exchange components
F149	2	Switch coffee machine off and on again.	General voltage error,	Power supply defective, power	Check power supply/plugs
F161 (9269)	2	Minimum flow brewing. For description, please consult user manual!	Water pressure check has been carried out. Pulses	- Coffee adjustments wrong - Components dirty or broken	- Check or modify coffee adjustments - Check, clean or change faulty
F161 (9329)	2	Minimum flow brewing. Repetition: Please confirm	Minimum flow underrun during brewing	Too little FM pulses have been recognized.	After confirmation, brewing is continued
F162 (9270)	2	Minimum flow cleaning. Switch coffee machine off and on again. In case of error, please call service!	Flow meter/minimum flow error during brewing water dosing	FM/minimum flow has been recognized several times. Max number of min. flow errors is exceeded.	dismantel brewer, clean sieve,...
F162 (9330)	2	Minimum flow cleaning. Repetition: Please confirm	Minimum flow underrun during cleaning	Too little FM pulses have been recognized.	After confirmation, cleaning is continued
F164 (9244)	2	Minimum flow hot water dosing Switch coffee machine off and on again. In case of error, please consult user	Minimum flow at hot water dosing (tank machine)	Error water supply	After confirmation, dosing is tried again. Check water supply / flow meter. Remove blockage or defective
F164 (9369)	2	Minimum flow hot water dosing Switch coffee machine off and on again. In case of error, please call service!	2nd level: Minimum flow at hot water dosing. Confirmation not possible. Machine has to be restarted.	Water supply blocked (e.g. sieve pressure reducer/sieve water tank clogged; oscillation pump does not work)	Check water supply. Remove blockage or defective component or exchange it

F165 (9245)	2	Minimum flow mixer dosing. Repetition: Please confirm	Minimum flow at mixer dosing (tank machine)	Error water supply	After confirmation, dosing is tried again. Check water supply / flow meter. Remove blockage or defective
F165 (9368)	2	Minimum flow mixer dosing Switch coffee machine off and on again. In case of error, please call service!	2nd level: Minimum flow at mixer dosing. Confirmation not possible. Machine has to be restarted.	Water supply blocked (e.g. sieve pressure reducer/sieve water tank clogged; oscillation pump does not work)	Check water supply. Remove blockage or defective component or exchange it
F185	2	Switch coffee machine off and on again. In case of error, please call service!	Max. time steam dispensed without refill of steam boiler and without PW level change	Max. time steam dispensed without refill of steam boiler and without PW level change	Check level probe and steam boiler feed valve
F186	2	Switch coffee machine off and on again. In case of error, please call service!	Timeout steam boiler supply	Electrode not reached after time limit	Check sensor system / water system.
F187	2	Switch coffee machine off and on again. In case of error, please call service!	Sensor break steam boiler	Sensor is not recognized. Digit evaluation (digit value 1024)	Check temperature sensor / cable
F188	2	Heating! Disconnect machine from power supply and call service!	Overtemperature steam boiler	Target temperature exceeded	Check sensor system / SSR

F189	2	Switch coffee machine off and on again. In case of error, please call service!	Heating time steam boiler	Machine has not reached temperature in predetermined time	Check: cables, heating steam boiler, SSR relay, temperature limiter, power class
F8	2	Switch coffee machine off and on again. In case of error, please call service!	Brewer not inserted	Brewer sensor magent is not detected by position sensor. The distance between magnet	Insert or readjust brewer
F87	2	Switch coffee machine off and on again. In case of error, please call service!	Sensor break boiler	Temperature sensor is not recognized	Check resp. exchange temperature sensor
F88	2	Overtemperature boiler. Attention:	Overtemperature boiler	Target temperature exceeded	Check sensor system / SSR
F89	2	Switch coffee machine off and on again.	Heating time boiler	Boiler has not reached	Coffee machine off and on again. In case