

WMF 1500S

Event- & Failure list

KMR Technical Support

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Rev. 05

Message type	Category	Event flashing	Informational content for customers	Description
Event	1a	Х	Action required soon	e.g. Cleaning required
	1 b	Х	Action required immediately/ the coffee machine is ready for use, but not all of the functions are available	e.g. portioner 1 is empty
	1 c	Х	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	Х	Machine has a fault, further information where applicable	e.g. Error message (F8)
	2d		Error without display in screen but entered in the errorlist / errormemory	e.g. machine was not shut off properly (9574)
Maintenance	3a		Action required soon	e.g. change scale filter soon
	3 b		immediate action required	e.g. Care kit

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
9013	2	Switch coffee machine off and on again. In case of error, please call service!	Brewer motor Encoder error	Encoder or cable defective.	Check encoder / cable
9017	2	Switch coffee machine off and on again. In case of error, please call service!		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 below idle current level.	Beans empty. Idle current level wrong	Refill beans, carry out idle current calibration
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. Only then the emptying process can be confirmed.
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	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.	On-site water pressure has fallen below the pre-set minimum pressure.	Water supply closed, pressure fluctuations,	-> Open water supply -> Establish stable water pressure -> Check pressure switch

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
9077	2	Leakage water detected. Switch coffee machine off and on again. In case of error, please call service and close water supply!	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 of milk beverages not recommended!	f Set temperature level of milk control is reached	Warm milk has been refilled	Wait or exchange milk.
9083	1 b	Attention cooler temperature is in freeze zone! In case of icing please consult user manual	Lower temperature level of milk control is reached (beverages can still be dispensed)	Milk cooler temperature is set too low	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. Please carry out descaling	Descaling due	Without water filter: Water flow capacity according to the set water hardness reached; With water filter: Annual descaling due	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 power not sufficient)	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 reports too little milk available, defined remaining quantity not yet reached, milk beverages not blocked.	Milklevel below milk sensor. Beverage lockout is activated, remaining number of beverages will be dispensed until beverage lockout.	Refill milk or cancel display message!
9213	1 d	Please wait, 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. In case of error, please call service!	Brewing time limit exceeded	Beverage could not be dispensed within the max. time.	Grinding degree possibly too fine or taming pressure too strong.
9255	1 c	Insert brewing unit! Please consult user manual!	Little power input of brewer motor	Brewer has been removed	Insert brewer
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

3 b	[graphic] Service revision due. Please call service!	Service due service revision	see service concept	Carry out revision
3 b				
3 b	revision due. Please call service!			
3.0	[graphic]	Carry out descaling	see service concept	Carry out descaling
	[graphic] Descaling	Carry out descaiing	see service concept	Carry out descaiing
	due. Please carry out descaling			
3 b	[graphic]	Service due water filter	see service concept	Exchange water filter
	Water filter		•	ŭ
	exhausted. Please exchange water filter			
3 b	[graphic]	see service concept	Time or number of brewings reached	Change grinder disks grinder 2
0.1	•	Oranica anicha Autor		Oh a a sa said dan dial a said dan 4
3 D		Service grinder 1 due	see service concept	Change grinder disks grinder 1
3 b		Service due powder hopper 1	see service concept	Exchange powder portioner 1 motor
	Service	Table and particular hoppor	222 23.1.00 00.100pt	
	powder hopper 1 due. Please call service!			
3 b	[graphic]	Service due. Mixer 1 mixer motor	see service concept	Exchange mixer 1
	Servi			
	ce mixer 1 mixer motor due. Please call			
_				
2		Overtemperature steam wand sensor		Sensor defective resp. exchange sensor
	case of error, please call service!		temperature sensor snort circuit	
2	Switch coffee machine off and on again. In	Temperatur break steam wand sensor	Sensor removed or cable break (< -4°C)	Plug on sensor/exchange
2		Temperatur break steam wand sensor	oction removed of cable break (< 4 0)	1 lug on schsol/exchange
	case of offer, produce can convice.			
1 b	Please refill milk	Milklevel below Milksensor (1)	Milklevel Milk 1 below Milksensor.	Refill milk
			Beverage lockout is not selected	
1 a	Please refill milk 2	Milklevel below Milksensor (2)		Refill milk 2
4.1	DI (11 11 N 11 1		<u> </u>	B (" "
1 b	, ,	•		Refill milk
	beverages with milk!	dispensing of beverages with milk!	dispensed. Beverage lockout reached.	
1 c	Please refill milk 2. No dispensing of	Beverage lockout reached. No	Number of remaining beverages	Refill milk 2
	beverages with milk!	dispensing of beverages with milk!	dispensed. Beverage lockout reached.	
4 -	Charle water awale	Estamal contentants in a cont.		Fill water teal.
	***			Fill water tank
1 c		Drip tray full.	Drip tray sensor reports full	Empty drip tray, dry sensor area
2		Configuration foulty	Configuration file foulty	Unload backup from USD effects
۷		Configuration raulty	Configuration file faulty	Upload backup from USB stick to machine or prgram again and restart
	case of effor, piease call service:			machine
2	Switch coffee machine off and on again. In	IO, Timeout	Error during communication with the	Check communication (CAN, serial,
	case of error, please call service!			network), retry
		has not reported within a required time.		
2				Brewer, Motor, encoder, check driving
	inserted correctly?			parameters and driving routes.
		does not reach its destination.		
			unve current) rauity.	
	2 2 1 b 1 a 1 b 1 c 1 c 1 c 1 c 2 2	3 b [graphic] Service grinder 2 due. Please call service! 3 b [graphic] Service grinder 1 due. Please call service! 3 b [graphic] Service powder hopper 1 due. Please call service! 3 b [graphic] Service powder hopper 1 due. Please call service! 2 Switch coffee machine off and on again. In case of error, please call service! 2 Switch coffee machine off and on again. In case of error, please call service! 1 b Please refill milk 1 a Please refill milk 2 1 b Please refill milk 2 1 c Please refill milk 2. No dispensing of beverages with milk! 1 c Please carry out milk system cleaning 1 c Please carry out milk system cleaning 1 c Switch coffee machine off and on again. In case of error, please call service! 2 Switch coffee machine off and on again. In case of error, please call service!	Service grinder 2 due. Please call service! Service grinder 1 due. Please call service! Service grinder 1 due. Please call service! Service grinder 1 due. Please call service! Service powder hopper 1 due. Please call service! Service powder hopper 1 due. Please call service! Service due powder hopper 1 Service powder hopper 1 due. Please call service! Service due. Mixer 1 mixer motor Service due. Mixer 1 mixer due. Mixer 1	Service grinder 2 due. Please call service! Service grinder 1 due. Please call service! Service grinder 1 due. Please call service! Service grinder 1 due. Please call service! Service powder hopper 1 due. Please call service! Service powder hopper 1 due. Please call service! Service due powder hopper 1 See service concept Service powder hopper 1 due. Please call service! Service due. Mixer 1 mixer motor ce mixer 1 mixer motor due. Please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case service concept Service due. Mixer 1 mixer motor case of error, please call service! Service due. Mixer 1 mixer motor case of error, please call service! Ser

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
9456	2	Switch coffee machine off and on again. In case of error, please call service!	Machine not ready	Overcurrent brewer control recognized. In order to protect the power stage all outputs are switched off	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	Switch coffee machine off and on again. In case of error, please call service!	Guarding error, node does not respond within the predetermined time period	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 order to fill the grinder spout).
9468	1 b	[graphic]	Portioner 2 empty Brewer detects too little ground coffee in the brewing chamber.	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 portioned again (plus additional time in order to fill the grinder spout).
9475	1 c	[graphic] Drip tray reinserted?	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!	-	Electrical error in machine. Short circuit at 24/30V	Analyse and eliminate error
9480	2	Switch coffee machine off and on again. In case of error, please call service!	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 ahead of time. Besides, the brewer is also not standardised anymore after sensor errors (F8)	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.

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
9489	2	Manual insert has opened independently. Please close manual insert. Select beverage again.	During beverage dispensing (with brewing) manual insert is opened.		
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	
9492	3 b	[graphic] Service maintenance 2 due. Please call 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
9495	3 b	[graphic] Service powder hopper 2 due. Please call service!	Service powder hopper 2 due	see service concept	Change motor powder hopper 2
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	
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 activated.	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 not available.	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 defective.	Temperature sensor reports undertemperature milk	Check / exchange temperature sensor
9510	1 b	Switch coffee machine off and on again. In case of error, please call service!	Temperature sensor Cooler reports 127°C. Temperature sensor defective.	Temperature sensor reports overtemperature milk	Check / exchange temperature sensor
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

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
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	EcoMode active, machine will be switched off.			
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			
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.
9582	2	Machine is restarted	CtrlApp is started again.	Machine cleaning, descaling, boiler pressure check interrupted, CtrlApp must be started 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.		
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
9595	2	External waste water tank is full			Empty external waste water tank
9600	1 c	Close face guard	Beverage cannot be dispensed as splash guard is still open	Face guard is open	Close face 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

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
9608	2 d		Cyclic warm rinsing of mixer in order to keep it at correct temperature	Activated in menu, can be deactivated	
9611	1 a	DripTaste filter soon due	DripTaste filter must be exchanged soon. In 2 hours or after 20 brewings.	Filter already in use for 80 brewings or 24 hours.	Exchange filter via care menu
9612	1 c	DripTaste filter must be changed	Max. number of brewings exceeded	Max. number of brewings exceeded	Carry our filter exchange. Possible via care menu
9613	1 c	Beverages blocked as DripTaste filter not inserted	Beverages are blocked as DripTaste filter not inserted	DripTaste cartridge not inserted correctly	Check whether cartridge is inserted correctly. It is also possible that the micro switch is not positioned correctly.
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
9616	1 b	Filter rinsing for DripTaste Coffee must be completed in order to unlock these beverages again. Would you like to carry out filter rinsing?	Filter not rinsed and therefore not ready to operate	Filter has been exchanged	Carry out filter rinsing with "Yes" or postpone until later
9827	1 d	Firmware update powerstage is running	Powerstage is updated	Update of powerstage firmware running	
9852	2	SD card not available or cannot be written on	SD card not detected or cannot be written on	SD card not assembled or cannot be written on anymore	Plug in SD card or change defective one
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, brewing chamber has been filled with ground coffee through the manual insert	Beverage to be prepared through manual insert	Press beverage button within limit time, afterwards a coffee beverage is started
9883	2	Please carry out power stage update. Version is not compatible.	Power stage: Firmware version is not compatible	The read firm ware version does not correspond to the expected one.	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.
F120	2	Switch coffee machine off and on again. In case of error, please call service!	Power stage not connected to front panel	Power stage not connected to front panel	Check cable / coding
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!		Short circuit 24V/30V	24V/30V check / exchange components
F149	2	Switch coffee machine off and on again. In case of error, please call service!	General voltage error, power supply does not provide any voltage even after several repeated switch-on efforts.	Power supply defective, power plug not plugged in correctly	Check power supply/plugs

Service	Error Category	Display Text (E)	Error Description	Reason	Solution
F161 (9269)	2	Minimum flow brewing. Please dismantle brewing unit and clean sieve! For description, please consult user manual!	Water pressure check has been carried out. Pulses have been detected through release valve. Not through brewing unit		Check or modify coffee adjustments Check, clean or change faulty components
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 with reduced pump pulse
F162 (9270)	2	Minimum flow cleaning. Please dismantle brewing unit and clean sieve! For description, please consult user manual!	2nd level: Minimum flow during cleaning. Confirmation not possible. Machine has to be restarted.	Water pressure check has been carried out. Pulses have been detected through release valve. Not through brewing unit	Check brewing path (e.g. dismantle brewing unit, 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 manual!	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 component or exchange it
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 component or exchange it
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!		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
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: Disconnect machine from power supply!	Overtemperature boiler	Target temperature exceeded	Check sensor system / SSR
F89	2	Switch coffee machine off and on again. In case of error, please call service!	Heating time boiler	Boiler has not reached temperature in predetermined time	