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TROUBLESHOOTING A300-A 1000/S700/SB1200

en

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1 ERROR CODES

When an error occurs, the machine displays an error message which provides instructions on how to rectify the issue. Additional information regarding troubleshooting can be found via the error codes in the table below. Event messages are not displayed but recorded in the error history log. Individual components (heating, valves, brewing unit, etc.) can be checked using the relevant test menu.

1.1 Brewing unit

Error code	Short text	Error message	Notes on troubleshooting
009	Brewing unit motor timeout	The number of increments registered while the brewing chamber was moving is too small. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush
010	Brewing unit motor timeout	The number of increments registered while the brewing chamber was moving is too small. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush
011	Brewing unit motor timeout	The number of increments registered while the brewing chamber was moving is too small. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush
012	Brewing unit motor timeout	The number of increments registered while the brewing chamber was moving is too small. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush
013	Brewing unit motor timeout	The number of increments registered while the brewing chamber was moving is too small. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush
014	Brewing unit incremental sensor	More than one negative increment was registered. The brewing chamber is moving in the wrong direction. Please check the wiring of the incremental sensor.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush

Error code	Short text	Error message	Notes on troubleshooting
015	Brewing unit motor timeout	A motor timeout occurred during cleaning.	<ul style="list-style-type: none"> - Restart the system - Repeat the cleaning cycle
027	Brewing unit locking mechanism	The brewing unit is not locked.	
028	Brewing unit missing	Brewing unit missing.	
030	Initializing brewing unit	During initialization, an error occurred when the brewing unit was being recalibrated.	<ul style="list-style-type: none"> - Restart the system - Check the incremental sensor - Check the motor - Clean the brewing unit with a brush
048	Brewing unit brewing chamber open	The brewing process was canceled because the brewing chamber was able to be opened up too far. Please select a new product or restart the system to recalibrate the brewing unit.	<ul style="list-style-type: none"> - Select a new drink (the brewing unit will be recalibrated) - If this occurs more than once, check the values, see Programming, Menu item 5.2 Brewing unit
049	Brewing unit brewing chamber open	The brewing chamber could not be closed. Please check the grind quantity and select a new product.	<ul style="list-style-type: none"> - Select a new drink (the brewing unit will be recalibrated) - Check the grind quantity - Check the calibration of the grinders, see Programming, Grinder 1 - 3

1.2 Fluid system

Error code	Short text	Error message	Notes on troubleshooting
060	Fill Boiler 1	The boiler with heater 1 could not be filled. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check pump pressure, Commissioning, Menu item 0.3 Set pressure - Check the boiler 1 (coffee) pressure relief valve for leakage (water flows into drip tray) - Check water supply (leak-tightness and supply)

Error code	Short text	Error message	Notes on troubleshooting
061, 062	Fill Boiler 2	The boiler with heater 2 could not be filled during operation. The heater will be switched off. Please restart the system. Please restart the system.	<ul style="list-style-type: none"> - Restart the system - Check boiler 2 (hot water) pressure relief valve for leakage (water flows into drip tray) - Check the continuous level sensor (connection/ limescale formation), Programming, Menu item 5.10 Individual inputs - Check water supply (leak-tightness and supply)
079	Flow meter error 1	The brew boiler's water flow is disrupted. The flow meter receives too few or no impulses. Please restart the system or select a different product.	<ul style="list-style-type: none"> - Check the grind coarseness (must not be too fine) - Check the product settings - Select another product - Check the flow meter
080	Flow meter error 2	The water flow of the tea boiler is disrupted. The flow meter receives too few or no impulses. Please restart the system or try a different product.	<ul style="list-style-type: none"> - Check the product settings - Select another product - Check the flow meter - Open the shut-off valve
081	Flow meter error 3	The water flow of the cold water bypass is disrupted. The flow meter receives too few or no impulses. Please restart the system or try a different product.	
082	Flow meter error 4	The water flow in the Iced Coffee Module is disrupted. The flow meter receives too few or no impulses. Please restart the system or try a different product.	
083	Flow meter error 5	The cold water flow is impaired. The flow meter receives too few or no impulses. Please restart the system or try a different product.	
087	Initializing water line	No 100 ml could be dosed through the brewing valve and the bypass valve within 25 s during initialization. Please check the water supply and restart the system.	<ul style="list-style-type: none"> - Restart the system - Check water supply (leak-tightness and supply) - Check the water circuit for leakage
088	Initializing steam boiler level	During initialization, the minimum steam boiler level could not be achieved within 25 sec. The steam boiler continues filling. If the level still has not been reached after 4 minutes, another error message appears. In this case, please check the water supply and the level sensor.	<ul style="list-style-type: none"> - Wait at least 4 minutes - Check the continuous level sensor and replace if necessary - Check water supply (leak-tightness and supply) - Check the water circuit for leakage
090	iQFlow needle valve	The iQFlow needle valve is not working properly.	Restart the system

Error code	Short text	Error message	Notes on troubleshooting
091	iQFlow needle valve	The iQFlow needle valve is not working properly.	Restart the system
092	Needle valve/brewing unit tightness	The iQFlow needle valve cannot be closed or the brewing unit is not completely tight.	
093	iQFlow initialization	iQFlow has been initialized.	
094	Brewing module may be leaking	The brewing module may be leaking. Check the brewing module.	Check the brewing module for leakage
096	Steam boiler level sensor	Steam boiler	

1.3 Milk system

Error code	Short text	Error message	Notes on troubleshooting
101	Hardware error on the FoamMaster	A hardware error (short circuit) has occurred on the FoamMaster controller.	<ul style="list-style-type: none"> - Check the connection cable - Check the connection with other CAN nodes, Programming, Menu item 5.9 Individual outputs (test menu CAN bus) - Check the connection cable
102	FoamMaster software out of date	The FoamMaster software is out of date. Please update the FoamMaster software to the current version using the service tool.	<p>Update the FoamMaster software to the current version using the Service Tool</p> <p>The minimum required version will be displayed. The exported out-of-date software version of the milk control can be displayed in item 0.10 System information.</p>
104	Milk flow affected	The flow meter receives too few or no impulses. Prepare another product. Restart the system.	<ul style="list-style-type: none"> - Select a new product - Restart the system
105	Thermoblock	Heating tendency recorded.	
106	Milk flow meter	The milk flow meter (B11) was measured during rinsing with the cold water flow meter (B8).	
107	FM milk pump calibration	The milk pump was measured during cleaning.	
108	MS milk pump calibration	The milk pump was measured during cleaning.	
110	Temperature sensor on the right in the cooling unit	The right temperature sensor in the cooling unit has been interrupted.	
111	Temperature sensor on the right in the cooling unit	The right temperature sensor in the cooling unit has been interrupted.	

Error code	Short text	Error message	Notes on troubleshooting
112	Interruption at left temperature sensor in cooling unit	The left temperature sensor in the cooling unit has been interrupted.	
113	Temperature sensor on the left in the cooling unit	A short circuit has occurred at the left temperature sensor in the cooling unit.	
115	Steam thermoblock	Heating tendency recorded.	
116	Milk thermoblock regeneration	Milk thermoblock high-temperature regeneration: heating time	
117	Milk thermoblock regeneration	Milk thermoblock high-temperature regeneration: cycle time	
118	High-temperature regeneration failed	The high-temperature regeneration of the milk thermoblock has failed.	

1.4 Powder system

Error code	Short text	Error message	Notes on troubleshooting
120	Clean agitator	Water flow of the powder system is disrupted. Please clean coffee machine and restart the system if necessary.	<ul style="list-style-type: none"> - Check the water circuit for the powder system - Clean the mixing chamber - Clean the coffee machine with cleaning program <p>The door must remain open for at least 20 seconds for the message to disappear</p>

1.5 Electronics/communication

Error code	Short text	Error message	Notes on troubleshooting
149	Error on the add-on unit	Please observe the error message on the add-on unit's display.	
290	RFID module communication	The coffee machine's connection to the RFID module has been interrupted or the RFID module is malfunctioning.	
291	Error on the touchscreen	The touchscreen does not function.	
292	Error on the touchscreen fixed	The touchscreen can be operated again.	
293	Hardware or software error on the touchscreen	Hardware or software error on the touchscreen. There is no driver for the touchscreen.	
294	No audio files found	The search for audio files failed	
295	Event 295	Event 295	
302	Communication UPC	The process PCA has not responded within the specified time.	

Error code	Short text	Error message	Notes on troubleshooting
306	Old software for process PCA	The software version of the process PCA is out-of-date. The process PCA remains in the Reset state.	
308	Communication P3C	The PIC has not responded within the specified time.	
309	Automatic restart	The machine is restarted automatically.	
320	Spout motor incremental sensor	No signals have been received by the spout motor incremental sensor.	
321	Spout motor incremental sensor	No signals have been received by the spout motor incremental sensor.	
322	Unknown hardware version	Hardware versions are not compatible with one another.	
332	I2C iQFlow communication	I2C communication between the coffee machine and iQFlow is not working correctly.	
333	Flavor Station communication	The Flavor controller is not responding. Please check the connections between the coffee machine and the Flavor Station and make sure that the correct CAN ID is set.	<ul style="list-style-type: none"> - Check the connection cable - Check the connection to other CAN nodes, Programming, Menu item 5.9 Individual outputs
335	Cooling unit communication error	Cooling unit does not respond. Please check the connections between the coffee machine and cooling unit and make sure that the correct CAN ID is set.	<ul style="list-style-type: none"> - Check the connection cable - Check the connection to other CAN nodes, Programming, Menu item 5.9 Individual outputs
336	Communication Foam Master	The milk controller did not respond within 10 s. Please check the connections to the Foam Master and the CAN ID.	<ul style="list-style-type: none"> - Check the connection cable - Check the connection to other CAN nodes, Programming, Menu item 5.9 Individual outputs
337	Communication Foam Master	The milk controller is not responding. The milk cleaning is canceled and the machine switches to energy saver mode. Please check the connections to the Foam Master and the CAN ID.	<ul style="list-style-type: none"> - Check the connection cable - Check the connection to other CAN nodes, Programming, Menu item 5.9 Individual outputs <p>A running milk system cleaning cycle is interrupted. The coffee machine switches to energy-saving mode.</p>

Error code	Short text	Error message	Notes on troubleshooting
338	Communication Foam Master	The FoamMaster controller has performed a reset while preparing a milk product. The milk product is canceled.	<ul style="list-style-type: none"> - Check the connection cable - Check the connection to other CAN nodes, Programming, Menu item 5.9 Individual outputs <p>A running milk system cleaning cycle is interrupted. The coffee machine switches to energy-saving mode.</p>
342	Coffee machine on power supply	Coffee machine has been connected to the power supply.	
357	Integrity test has failed	The integrity test failed during the software update.	
359	Wrong machine type	An error occurred when importing the machine type	
360	Configuration error FM	The milk system has been configured incorrectly. Please check the configuration of the milk system (service menu, menu item 0.1). Check the wiring of the cooling unit.	
361	Configuration error FM	Type and position of the milk system are already assigned. Please check the configuration of the milk system in the service menu under menu item 0.1 Set machine.	<ul style="list-style-type: none"> - Check the wiring - Fill the fresh water tank - Empty the wastewater tank - Check the position of the continuous level sensors
362	Water tank sensor communication	No valid message received from the water tank sensor. The connection is interrupted.	<ul style="list-style-type: none"> - Check the wiring - Fill the fresh water tank - Empty the wastewater tank - Check the position of the continuous level sensors
363	Drip tray sensor communication	No valid message received from the drip tray sensor. The connection is interrupted.	
366	Data backup imported successfully	The data backup has been imported successfully.	
367	Converter event	Converter event	
368	Telemetry error	Telemetry error	
369	Automatic adjustment of the XML schema	The XML schema of the MachineData.xml file is adjusted automatically.	
370	MMK import failed	The MMK import has failed.	
377	Application started	Application started	
378	FPC import failed	The FPC import has failed.	
379	PKT import failed	The PKT import has failed.	
380	FPC missing	No FPC available.	
381	Main application memory usage	RSS main application memory usage (actual usage)	
382	Incorrect PIN entered	Incorrect PIN entered	

Error code	Short text	Error message	Notes on troubleshooting
383	Event 383	Ack/Nak for product query too late. (Timeout 1.5 s)	
384	Event 384	No data after Ack (no Product Running registered after Prod. was started.)	
385	Event 385	The product preparation exceeds the time limit.	
386	Event 386	Communication package was rejected by the process PCA.	
387	Telemetry memory usage	RSS telemetry memory usage (actual usage)	
388	Event 388	Short Response not received. The drink is prepared despite this.	
389	Event 389	Data backup failed	
390	Event 390	Importing of data backup failed	
391	Event 391	Touchscreen error	
392	Main application memory usage	VM main application memory usage (virtual)	
393	Telemetry memory usage	VM telemetry memory usage (virtual)	
394	Application stopped	Application UI stopped	
395	Communication error, process PCA	A communication error has occurred on the process PCA.	No products can be prepared
396	Product preparation suspended	Product preparation was stopped.	
397	Process PCA reset	The process PCA has been reset.	
398	Rinsing stopped	Rinsing was stopped.	
403	Descaling failed	The last descaling cycle could not be completed.	
405	RFID tag written successfully	The descaling information was successfully written to the RFID tag on the descaling cartridge.	
408	Dates for descaling cartridge	Date of production and first use of installed descaling cartridge	
410	Not enough descaler	The descaling cartridge ran out of descaler during operation. Therefore not enough descaler could be added.	
700	CleanMaster communication – CAN bus time-out	The CleanMaster has not responded within 10 seconds. Please check the connections to the cooling unit and the CAN ID.	
701	CleanMaster communication	The CleanMaster has not responded within 10 seconds during a cleaning process. Cleaning is interrupted. The machine switches to energy-saving mode. Check the connections to the CleanMaster and the CAN ID.	

Error code	Short text	Error message	Notes on troubleshooting
702	RFID tag communication error	Communication between the CleanMaster and the RFID module is not working correctly.	
703	RFID tag communication error	Communication between the UT40 and the RFID module is not working correctly.	
704	CleanMaster software	The CleanMaster software version is out-of-date.	
705	Flavor Station software	The Flavor Station software version is out-of-date.	

1.6 Accounting system

Error code	Short text	Error message	Notes on troubleshooting
206	Accounting CAN	The accounting unit has not sent a status report within the specified time.	
207	Accounting CAN	A communication error has occurred at the accounting unit (interface).	
208	Accounting	An error has occurred at the accounting unit (interface or payment system). Please check the accounting unit and restart the system.	
209	Communication error CS	The accounting unit is not responding. Please check whether the accounting unit is switched on.	<ul style="list-style-type: none"> - Check the power supply to the accounting unit - Check the connection between the accounting unit and the coffee machine
210	Communication error CS	No data was received within the specified time (data timeout).	<ul style="list-style-type: none"> - Check the power supply to the accounting unit - Check the connection between the accounting unit and the coffee machine
211	Communication error CS	The checksum of a data packet was incorrect.	<ul style="list-style-type: none"> - Check the power supply to the accounting unit - Check the connection between the accounting unit and the coffee machine
212	Communication error CS	The accounting unit is reporting an error. Please check the power supply to the accounting unit and the connection to the coffee machine.	<ul style="list-style-type: none"> - Check the power supply to the accounting unit - Check the connection between the accounting unit and the coffee machine
213	Accounting CAN timeout	The accounting unit has not returned a status response within the specified time.	
214	Payment not ready	The initialization of the accounting unit is still running or has failed.	
215	Accounting unit error	An error has been reported by the accounting unit during a status update.	

Error code	Short text	Error message	Notes on troubleshooting
216	Accounting interface error	An error has been reported by the accounting interface during a status update.	
217	Accounting	The number of decimals in the machine configuration does not match the number of decimals in the accounting unit. The price information may be invalid. Please configure the decimals in the coffee machine and the accounting unit consistently.	Check the decimal places both on the coffee machine and the accounting unit and adjust if necessary

1.7 Telemetry

Error code	Short text	Error message	Notes on troubleshooting
230	Telemetry error	The connection between the coffee machine and the telemetry module cannot be established.	
231	Telemetry error	The connection between the coffee machine and the telemetry module cannot be established.	
232	Telemetry error	The network is not ready.	
233	Telemetry error	No network connection possible.	
234	Telemetry error	The telemetry server is not ready.	
235	Telemetry error	Registration at the telemetry server failed.	
236	Telemetry error	Logon to the telemetry server has been denied.	
237	Telemetry error	The connection to the telemetry server cannot be established.	
238	Telemetry event	The IoT SAS token is renewed.	
239	Telemetry event	The connection was established.	
240	Telemetry event	The file %1 is available via telemetry.	
241	Telemetry event	The FPC is available via Telemetry 3.	
242	Telemetry event	The PKT is available via Telemetry 3.	
243	Telemetry event	The file %1 has been imported via telemetry.	
244	Telemetry event	The FPC has been imported via Telemetry 3.	
245	Telemetry event	The PKT has been imported via Telemetry 3.	
246	Telemetry error	The remote test production failed.	

1.8 Operation

Error code	Short text	Error message	Notes on troubleshooting
406	Descaling cartridge unknown	The version of the installed descaling cartridge is not known in the current software.	

Error code	Short text	Error message	Notes on troubleshooting
407	Descaler run out	The descaler inserted has run out. Insert a new descaling cartridge.	
411	Descaling system is rinsed	The descaling system is rinsed. This process lasts around 3 minutes.	
412	Cleaning container full	Empty the cleaning container of the pump module CleanMaster.	
413	Cleaning container full	Empty the cleaning container of the Flavor Station CleanMaster.	
416	Cleaner expired	The cleaning agent in the pump module CleanMaster has expired. Insert a new cleaning agent cartridge.	
417	Cleaner expired	The cleaning agent in the Flavor Station CleanMaster has expired. Insert a new cleaning agent cartridge.	
420	Flavor Station validation started	The validation of the Flavor Station has started.	
425	Brewing unit missing	The brewing unit is missing or is not installed correctly.	
426	Internal water tank missing	The internal water tank is missing or is not installed correctly.	
427	Grounds container missing	The grounds container is missing or is not installed correctly.	
428	Drip tray missing	The drip tray is missing or is not inserted correctly. Insert the drip tray properly.	
431	Coffee bean or powder container missing	The coffee bean or powder hopper is missing or is not installed/locked correctly.	Insert bean or powder hopper correctly and lock it in place
433	Cooling unit cleaning container missing	The cooling unit cleaning container is missing or is not locked correctly.	
434	Flavor Station cleaning container missing	The Flavor Station cleaning container is missing or is not locked correctly.	
435	Remove the spout cleaning device	Remove the spout cleaning device.	
436	Spout cleaning device not in position	The spout cleaning device is not positioned under the spout. Position it under the spout.	
437	Pump module validation started	The validation of the pump module has started.	
438	Pump module validation completed	The validation of the pump module has been completed.	
439	PIN code correct	The login to the menu was successful.	
441	Coffee machine switched on	The coffee machine was switched on. Trigger: 0 = On/Off button; 1 = Switch on again after power failure; 2 = Timer	
442	Coffee machine switched off	The coffee machine was switched on. Trigger of the event: 0 = On/Off button, 1 = Timer	
443	Cleaning started	Cleaning of the coffee machine has been started.	

Error code	Short text	Error message	Notes on troubleshooting
444	Flavor Station cleaning started	The cleaning of the Flavor Station has been started.	
445	Descaling started	Descaling of the coffee machine has been started.	
446	Descaling complete	Descaling of the coffee machine has been completed.	
447	Descaling interrupted	Descaling of the coffee machine has been interrupted.	
451	Flavor Station cleaning canceled	The cleaning of the Flavor Station was canceled because the coffee machine door was opened.	Close door The status of the flavor control is saved in the event log
452	Flavor Station cleaning canceled	The cleaning of the Flavor Station was canceled because the CAN communication was interrupted.	The status of the flavor control is saved in the event log
453	Flavor Station cleaning canceled	The cleaning of the Flavor Station was canceled because the coffee machine was switched off.	
455	Second machine is being cleaned	Cleaning of the second coffee machine has been started.	
456	Cleaning canceled	Cleaning was canceled because the door was opened.	
457	Cleaning canceled	The cleaning was canceled because the grounds door was not kept open long enough (less than 1 s).	
458	Cleaning canceled	The cleaning was canceled because the door was not opened within 20 s of prompting.	
459	Cleaning canceled	The cleaning was canceled by the service technician via a service code.	
460	Flavor Station validation completed	The validation of the Flavor Station has been completed.	
461	Doors open	The grounds container door is open. Please close door.	<ul style="list-style-type: none"> - Empty the grounds container and close the door - Check the function of the magnetic switch if necessary, Programming, Menu item 5.10 Individual inputs <p>The current product is canceled. The grounds cake counter is reset to 0 after 5 s.</p>
462	Grounds door closed	The door has been closed.	
469	Flavor Station cleaning ended	The cleaning of the Flavor Station has been ended.	
470	Cleaning ended	Cleaning of the coffee machine has been ended.	

1.9 Heating system

Error code	Short text	Error message	Notes on troubleshooting
501	Steam boiler temperature sensor	The temperature sensor on heater 2 has a short circuit. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system
502	Interruption to steam boiler temperature sensor	The temperature sensor on heater 2 is missing or has a short circuit. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system
503	Steam temperature difference	No temperature increase of at least 2°C was detected on the NTC temperature sensor of heater 2 within 60 sec. during heating. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connection cable and the connection plug of the temperature sensor - Restart the system
504	Steam over temperature	The temperature on heater 2 has risen to more than 150°C or 25°C above the nominal value. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connection cable and the connection plug of the temperature sensor - Restart the system
505	Steam boiler time-out	Heater 2 was switched on for too long. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connection cable and the connection plug of the temperature sensor - Restart the system

Error code	Short text	Error message	Notes on troubleshooting
507	Steam post-heating	The boiler on heater 2 has not reached the target temperature. The products are blocked until the setpoint is reached. Please wait.	<ul style="list-style-type: none"> - The error occurs when the heating element has been switched on continuously for 3 minutes - The error will be cleared once the set temperature is reached
509	Brew boiler temperature sensor	The NTC temperature sensor on heater 1 has a short circuit. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system
510	Interruption to brew boiler temperature sensor	The temperature sensor (NTC B1) on heater 1 (K1) is missing or interrupted. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system
511	Brew boiler temperature difference	No temperature increase of at least 2°C was detected on the NTC temperature sensor of heater 1 within 60 s during heating. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system
512	Brew boiler overtemperature	The temperature in boiler 1 has increased to more than 150°C or is 25° above the nominal value. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system
513	Brew boiler time-out	Heater 1 was switched on for too long. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system

Error code	Short text	Error message	Notes on troubleshooting
515	Brew boiler re-heating	The boiler on heater 1 has not reached the target temperature. The products are blocked until the setpoint is reached. Please wait.	<ul style="list-style-type: none"> - The error occurs when the heating element has been switched on continuously for 6 minutes - The error will be cleared once the set temperature is reached
517	Thermoblock temperature sensor	A short circuit was detected on the NTC temperature sensor in the thermoblock. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system
518	Thermoblock temperature sensor interrupt	An interruption was detected on the NTC temperature sensor in the thermoblock. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system
519	Thermoblock temperature difference	No temperature increase of at least 3°C was detected on the temperature sensor of the Thermoblock within 60 s during heating. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system
520	Thermoblock over temperature	The temperature in the thermoblock has increased to 15° above the setpoint. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system
521	Thermoblock time-out	The thermoblock heater was switched on for too long. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system

Error code	Short text	Error message	Notes on troubleshooting
523	Thermoblock post-heating	The Thermoblock has not reached the target temperature. The products are blocked until the setpoint is reached. Please wait.	<ul style="list-style-type: none"> - The error occurs when the heating element has been switched on continuously for 3 minutes - The error will be cleared once the set temperature is reached
524	Heating request waiting response	The heater in question can only be switched back on after a few seconds.	
538	Steam boiler pressure sensor	The pressure sensor on the steam boiler (H2) has a short circuit. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connections - Restart the system
539	Steam boiler pressure sensor	The pressure sensor on the steam boiler (H2) is missing or has been interrupted. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connections - Restart the system
544	Hot water boiler temperature sensor	The temperature sensor (NTC) on heater 3 has a short circuit. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connections - Restart the system
545	Hot water boiler temperature sensor	The temperature sensor (NTC) on heater 3 is missing or has an interruption. Please restart the system.	<ul style="list-style-type: none"> - Check the NTC temperature sensor and replace if necessary - Check the connections - Restart the system
546	Hot water boiler temperature difference	No temperature increase of at least 2°C was detected on heater 3 within 60 s during heating. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system
547	Hot water boiler overtemperature	The temperature on heater 3 has risen to more than 150°C or 25°C above the setpoint. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system

Error code	Short text	Error message	Notes on troubleshooting
548	Hot water boiler time-out	Heater 3 was switched on for too long. Please restart the system.	<ul style="list-style-type: none"> - Check the electrical circuit - Check the Klixon - Check the NTC temperature sensor and replace if necessary - Check the heating element 2 - Check the connections - Restart the system
549	Hot water boiler re-heating	The boiler on heater 3 has not reached the target temperature. The products are blocked until the setpoint is reached. Please wait.	<ul style="list-style-type: none"> - The error occurs when the heating element has been switched on continuously for 6 minutes - The error will be cleared once the set temperature is reached

1.10 Water/hot water/steam system

Error code	Short text	Error message	Notes on troubleshooting
580	Autosteam temperature sensor	A short circuit has been detected on the temperature sensor for Autosteam (UI Print) during the drawing of steam. Please select the product once again.	<ul style="list-style-type: none"> - Check the temperature sensor and renew if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system - Select product
581	Autosteam temperature sensor interruption	The temperature sensor for Autosteam (UI Print) is interrupted. Please restart the system.	<ul style="list-style-type: none"> - Check the temperature sensor and renew if necessary - Check the connection cable and the connection plug of the temperature sensor - Restart the system - Select product
584	Steam thermoblock	Heating tendency recorded.	
585	Heater temperature sensor	The NTC B75 (heater input) has a short circuit.	
586	Heater temperature sensor	The NTC B75 temperature sensor (heating input) is interrupted.	
587	Heater temperature sensor	The NTC B76 (heater output) has a short circuit.	
588	Heater temperature sensor	The NTC B76 temperature sensor (heating output) is interrupted.	
589	Heater temperature sensor	The NTC B77 (heater surface) has a short circuit.	
590	Heater temperature sensor	The NTC B77 temperature sensor (heating surface) is interrupted.	

Error code	Short text	Error message	Notes on troubleshooting
591	Heater temperature difference	Insufficiently high temperature increase was recorded on the surface of the heater.	
592	Heater overtemperature	Temperature recorded on the surface of the heater was too high.	
593	Heater timeout	The heater stayed on continuously for too long.	
594	Heating	A temperature deviation was recorded.	
595	Heating	The temperature deviation is outside the valid range.	
596	Heating	Heater H1 check was successful.	
597	Heating	Heater H1 check failed	
598	Heating	Heater H2 check was successful.	
599	Heating	Heater H2 check failed.	

1.11 Grinder

Error code	Short text	Error message	Notes on troubleshooting
551	Grinder left pulse error	Pulse error on left grinder	
552	Grinder right pulse error	Pulse error on right grinder	

1.12 Warnings/notices/status messages

Error code	Short text	Error message	Notes on troubleshooting
409	Unable to add descaler	Check the descaling cartridge and restart the operation.	
414	Cleaning agent dosing incorrect	Check the cleaning agent cartridge in the pump module CleanMaster and restart the operation.	
415	Cleaning agent dosing incorrect	Check the cleaning agent cartridge in the Flavor Station CleanMaster and restart the operation.	
600	Maintenance necessary	Maintenance must be carried out in accordance with the maintenance plan.	<ul style="list-style-type: none"> - Perform maintenance according to maintenance plan - Reset the maintenance counter
601	System calcified	The average water hardness measured by the level sensor for the hot water/steam boiler has been too high for an extended period. There is a risk of limescale deposits on the sensor and boiler.	Replace the water filter and reset the counter, Programming, Water filter
602	Water filter	The water filter is used up and must be replaced.	Replace the water filter and reset the counter, Programming, Water filter

Error code	Short text	Error message	Notes on troubleshooting
603	Grounds container full	The grounds container is full. Please empty the grounds container.	
604	Emptying the grounds container	The grounds container is full. Only a few more coffee cycles are possible. Please empty the grounds container.	<ul style="list-style-type: none"> - Remove, empty and clean and replace the grounds container - The door must remain open for at least 5 seconds
606	Fill rear left container (pos. 1)	The left-hand bean hopper is empty (pos. 1). Please refill with coffee beans.	
607	No coffee in the brewing chamber	The brewing chamber is empty. Please refill with coffee beans or fill ground coffee into the manual insertion flap. Check that the bean and powder hoppers are locked correctly.	<ul style="list-style-type: none"> - Check the ground coffee chute and clean it with a brush - Check the photoelectric sensor of the bean monitor - Add coffee beans or ground coffee - Select a product
608	Fill rear right container (pos. 2)	The right-hand bean hopper is empty (pos. 2). Please refill with coffee beans.	
609	Fill front LH container (pos. 3)	The front LH container is empty (pos. 3). Depending on the machine configuration, please fill with powder for automatic coffee makers or with coffee beans.	
610	Fill front RH container (pos. 4)	Front right container (pos. 4) of the double powder dosing unit is empty. Please refill with powder suitable for automatic coffee makers.	
613	Fill front left container (pos. 3)	The front LH container is empty (pos. 3). Please refill with coffee beans.	
614	Powder lid open	The manual insertion flap is required for cleaning and for the use of ground coffee. Please close the manual insertion flap.	
617	Add cold milk in the container [Color]	Milk type [Milk type] is used up. All affected products are blocked. Please fill fresh, pre-cooled milk in container [Color].	
618	Add cold milk in the container [Color]	Milk type [Milk type] is used up. All affected products are blocked. Please fill fresh, pre-cooled milk in container [Color].	
619	Add cold milk in the container [Color]	Milk type [Milk type] is used up. All affected milk products are blocked. Please fill fresh, pre-cooled milk in container [Color].	
620	Milk type [Milk type] empty	Milk type [Milk type] is almost used up. Please fill fresh, pre-cooled milk in container [Color].	
621	Add cold milk in the container [Color]	Milk type [Milk type] is used up. All affected milk products are blocked. Please fill fresh, pre-cooled milk in container [Color].	

Error code	Short text	Error message	Notes on troubleshooting
622	Milk type [Milk type] empty	Milk type [Milk type] is almost used up. Please fill fresh, pre-cooled milk in container [Color].	
623	Milk temperature MS	The milk temperature in the milk system is greater than 8° C.	
624	Milk temperature FoamMaster	The milk temperature in the FoamMaster is greater than 8°C.	
625	Left-hand reversible adapter missing or not inserted correctly	Drinks with milk cannot be prepared as the left-hand reversible adapter in the cooling unit is missing or has not been inserted correctly. Insert the reversible adapter or reverse it if you have just finished a cleaning process.	
626	Product cancel due to missing milk 1 [Milk type]	Milk type 1 [Milk type] is used up, the product [Product name] was canceled. Please fill fresh, pre-cooled milk in container [Color].	
627	Product cancel - milk 2 [Milk type] is missing	Milk type 2 [Milk type] is used up, the product [Product name] was canceled. Please fill fresh, pre-cooled milk in container [Color].	
628	Milk system could not be prepared	The milk system could not be prepared. Milk blocked.	
629	Prepare the milk system	The milk system must be prepared.	
630	Clean solution empty	The clean solution for the milk system is empty. Please insert a full clean solution bottle and perform cleaning.	
631	Clean solution almost empty	The clean solution for the milk system is almost empty. Please insert a full clean solution bottle and perform cleaning.	
632	FM cleaning container present	Remove cleaning container from cooling unit and insert the milk container.	
633	FM cleaning container not present	Insert the cleaning container into the cooling unit.	
634	Right-hand switch in Drink preparation position	The right-hand switch in the cooling unit must be switched from Drink preparation to Cleaning.	
635	Cleaning process complete - Set the right-hand switch to Drink preparation	Cleaning is complete. Set the right-hand switch in the cooling unit from the Cleaning position to the Drink preparation position.	
637	Reversible adapter missing or not inserted correctly	Drinks with milk cannot be prepared as the right-hand reversible adapter in the cooling unit is missing or has not been inserted correctly. Insert the reversible adapter or reverse it if you have just finished a cleaning process.	

Error code	Short text	Error message	Notes on troubleshooting
638	Milk system could not be prepared	The milk system could not be prepared. The [Milk type] is blocked.	
639	Prepare milk system Milk 2 [Milk type]	The milk system Milk 2 [Milk type] must be prepared.	
640	Syrup type 1 empty	Syrup type 1 is empty.	
641	Syrup type 1 almost empty	Syrup type 1 is almost empty.	
642	Syrup type 2 empty	Syrup type 2 is empty.	
643	Syrup type 2 almost empty	Syrup type 2 is almost empty.	
644	Syrup type 3 empty	Syrup type 3 is empty.	
645	Syrup type 3 almost empty	Syrup type 3 is almost empty.	
646	Syrup type 4 empty	Syrup type 4 is empty.	
647	Syrup type 4 almost empty	Syrup type 4 is almost empty.	
648	Syrup type 5 empty	Syrup type 5 is empty.	
649	Syrup type 5 almost empty	Syrup type 5 is almost empty.	
650	Syrup type 6 empty	Syrup type 6 is empty.	
651	Syrup type 6 almost empty	Syrup type 6 is almost empty.	
653	Clean Flavor Station	Please clean the Flavor Station soon.	
654	Clean Flavor Station	Please clean your Flavor Station.	
655	Preparing the Flavor Station	Please prepare your Flavor Station. Go to the "Cleaning and maintenance" menu.	
658	Cleaning of the milk system has failed	Cleaning of the milk system has been interrupted due an internal error.	
660	Internal water tank almost empty	The internal water tank is almost empty. Please fill the internal water tank.	
661	Check external fresh water tank/waste-water tank	The external fresh water tank is empty or the external waste water tank is full. Please check the connected tanks.	
662	Internal water tank empty	The internal water tank is empty. Please fill the internal water tank.	
663	Drip tray full	The drip tray is full. Please empty the drip tray.	
664	External fresh water tank empty	The external fresh water tank is empty. Please fill the fresh water tank.	
665	External wastewater tank full	The external wastewater tank is full. Please empty the wastewater tank.	
666	Descaling cartridge empty	The descaling cartridge is empty. Insert a full original descaling cartridge.	
667	Descaling cartridge empty	The descaling cartridge is empty. Insert a full original descaling cartridge.	
669	Descaling obligation	Your coffee machine must be descaled.	

Error code	Short text	Error message	Notes on troubleshooting
670	Descaling required	Your coffee machine must be descaled soon.	
674	Left-hand switch in Drink preparation position	The left-hand switch in the cooling unit must be switched from Drink preparation to Cleaning.	
675	Cleaning process complete - Set the left-hand switch to Drink preparation	Cleaning is complete. Set the left-hand switch in the cooling unit from the Cleaning position to the Drink preparation position.	
676	Cleaning complete - refill with milk and confirm	Cleaning is complete. Refill [milk type 1] ([color]) and confirm.	
677	Cleaning complete - refill with milk and confirm	Cleaning is complete. Refill [milk type 2] ([color]) and confirm.	
680	Cleaning required	Your coffee machine must be cleaned soon. Please clean your coffee machine.	
681	Cleaning necessary	Your coffee machine must be cleaned. Please clean your coffee machine.	
682	Descaling cartridge missing	Unable to detect a descaling cartridge. Please insert a full original descaling cartridge.	
683	Descaling cartridge missing	Unable to detect a descaling cartridge. Please insert a full original descaling cartridge.	
684	RFID tag could not be described	The descaling information could not be written to the RFID tag on the descaling cartridge.	
685	Cooling unit cleaning agent cartridge empty	The cooling unit cleaning agent cartridge is empty. Insert a full cleaning agent cartridge.	
686	Cooling unit cleaning agent cartridge missing	The cooling unit cleaning agent cartridge is missing. Insert a cleaning agent cartridge.	
687	Flavor Station cleaning agent cartridge empty	The Flavor Station cleaning agent cartridge is empty. Insert a full cleaning agent cartridge.	
688	Flavor Station cleaning agent cartridge missing	The Flavor Station cleaning agent cartridge is missing. Insert a cleaning agent cartridge.	
689	RFID tag communication error	The RFID tag for the cooling unit cleaning agent cartridge could not be written on.	
690	RFID tag communication error	The RFID tag for the Flavor Station cleaning agent cartridge could not be written on.	
691	RFID tag communication successful	The RFID tag for the cooling unit cleaning agent cartridge was successfully written on.	

Error code	Short text	Error message	Notes on troubleshooting
692	RFID tag communication successful	The RFID tag for the Flavor Station cleaning agent cartridge was successfully written on.	
696	General error	Test error development	
697	General error	Test error development	
698	General error	Test error development	
699	General error	Test error development	
817	Fill cold milk into the container [color]	Milk type 1 [milk type] is used up. All affected milk products are blocked. Please fill fresh, pre-cooled milk into the container [color].	
818	Fill cold milk into the container [color]	Milk type 2 [milk type] is used up. All affected milk products are blocked. Please fill fresh, pre-cooled milk into the container [color].	
820	Milk type 1 empty	Milk type %1 is almost used up. Please fill fresh, pre-cooled milk [milk type] into the container [color].	
822	Milk type 2 empty	Milk type %2 is almost used up. Please fill fresh, pre-cooled milk [milk type] into the container [color].	

1.13 Cold media

Error code	Short text	Error message	Notes on troubleshooting
725	Product canceled – resource missing	[Type] in module 1, container 1 is empty. The [product name] product has been canceled. Fill container 1 with pre-cooled medium.	
726	Product canceled – resource missing	[Type] in module 2, container 1 is empty. The [product name] product has been canceled. Fill container 1 with pre-cooled medium.	
727	Product canceled – resource missing	[Type] in module 3, container 1 is empty. The [product name] product has been canceled. Fill container 1 with pre-cooled medium.	
728	Product canceled – resource missing	[Type] in module 4, container 1 is empty. The [product name] product has been canceled. Fill container 1 with pre-cooled medium.	
729	Product canceled – resource missing	[Type] in module 1, container 2 is empty. The [product name] product has been canceled. Fill container 2 with pre-cooled medium.	

Error code	Short text	Error message	Notes on troubleshooting
730	Product canceled – resource missing	[Type] in module 2, container 2 is empty. The [product name] product has been canceled. Fill container 2 with pre-cooled medium.	
731	Product canceled – resource missing	[Type] in module 3, container 2 is empty. The [product name] product has been canceled. Fill container 2 with pre-cooled medium.	
732	Product canceled – resource missing	[Type] in module 4, container 2 is empty. The [product name] product has been canceled. Fill container 2 with pre-cooled medium.	
733	Fill [type] in module 1, container 1	[Type] in module 1, container 1 is empty. All affected products are blocked. Fill container 1 with pre-cooled [type] medium.	
734	Fill [type] in module 2, container 1	[Type] in module 2, container 1 is empty. All affected products are blocked. Fill container 1 with pre-cooled [type] medium.	
735	Fill [type] in module 3, container 1	[Type] in module 3, container 1 is empty. All affected products are blocked. Fill container 1 with pre-cooled [type] medium.	
736	Fill [type] in module 4, container 1	[Type] in module 4, container 1 is empty. All affected products are blocked. Fill container 1 with pre-cooled [type] medium.	
737	Fill [type] in module 1, container 2	[Type] in module 1, container 2 is empty. All affected products are blocked. Fill container 2 with pre-cooled [type] medium.	
738	Fill [type] in module 2, container 2	[Type] in module 2, container 2 is empty. All affected products are blocked. Fill container 2 with pre-cooled [type] medium.	
739	Fill [type] in module 3, container 2	[Type] in module 3, container 2 is empty. All affected products are blocked. Fill container 2 with pre-cooled [type] medium.	
740	Fill [type] in module 4, container 2	[Type] in module 4, container 2 is empty. All affected products are blocked. Fill container 2 with pre-cooled [type] medium.	
741	[Type] module 1, container 1 almost empty	[Type] in module 1, container 1 is almost empty. Fill [type] in module 1, container 1.	
742	[Type] module 2, container 1 almost empty	[Type] in module 2, container 1 is almost empty. Fill [type] in module 2, container 1.	
743	[Type] module 3, container 1 almost empty	[Type] in module 3, container 1 is almost empty. Fill [type] in module 3, container 1.	
744	[Type] module 4, container 1 almost empty	[Type] in module 4, container 1 is almost empty. Fill [type] in module 4, container 1.	
745	[Type] module 1, container 2 almost empty	[Type] in module 1, container 2 is almost empty. Fill [type] in module 1, container 2.	
746	[Type] module 2, container 2 almost empty	[Type] in module 2, container 2 is almost empty. Fill [type] in module 2, container 2.	

Error code	Short text	Error message	Notes on troubleshooting
747	[Type] module 3, container 2 almost empty	[Type] in module 3, container 2 is almost empty. Fill [type] in module 3, container 2.	
748	[Type] module 4, container 2 almost empty	[Type] in module 3, container 2 is almost empty. Fill [type] in module 3, container 2.	
749	[Type] could not be prepared	[Type] in module 1, container 1 could not be prepared. [Type] resource will remain blocked.	
750	[Type] could not be prepared	[Type] in module 2, container 1 could not be prepared. [Type] resource will remain blocked.	
751	[Type] could not be prepared	[Type] in module 3, container 1 could not be prepared. [Type] resource will remain blocked.	
752	[Type] could not be prepared	[Type] in module 4, container 1 could not be prepared. [Type] resource will remain blocked.	
753	[Type] could not be prepared	[Type] in module 1, container 2 could not be prepared. [Type] resource will remain blocked.	
754	[Type] could not be prepared	[Type] in module 2, container 2 could not be prepared. [Type] resource will remain blocked.	
755	[Type] could not be prepared	[Type] in module 3, container 2 could not be prepared. [Type] resource will remain blocked.	
756	[Type] could not be prepared	[Type] in module 4, container 2 could not be prepared. [Type] resource will remain blocked.	
757	Module 1 cold media flow meter fault	The flow in module 1 has been disrupted. The flow meter receives too few or no impulses.	
758	Module 2 cold media flow meter fault	The flow in module 2 has been disrupted. The flow meter receives too few or no impulses.	
759	Module 3 cold media flow meter fault	The flow in module 3 has been disrupted. The flow meter receives too few or no impulses.	
760	Module 4 cold media flow meter fault	The flow in module 4 has been disrupted. The flow meter receives too few or no impulses.	
761	Interruption on module 1 temperature sensor	The temperature sensor in module 1 is missing or has been interrupted. Restart the system.	
762	Interruption on module 2 temperature sensor	The temperature sensor in module 2 is missing or has been interrupted. Restart the system.	
763	Interruption on module 3 temperature sensor	The temperature sensor in module 3 is missing or has been interrupted. Restart the system.	

Error code	Short text	Error message	Notes on troubleshooting
764	Interruption on module 4 temperature sensor	The temperature sensor in module 4 is missing or has been interrupted. Restart the system.	
765	Module 1 temperature sensor short-circuit	The temperature sensor in module 1 has a short circuit. Restart the system.	
766	Module 2 temperature sensor short-circuit	The temperature sensor in module 2 has a short circuit. Restart the system.	
767	Module 3 temperature sensor short-circuit	The temperature sensor in module 3 has a short circuit. Restart the system.	
768	Module 4 temperature sensor short-circuit	The temperature sensor in module 4 has a short circuit. Restart the system.	
769	[Type] in module 1, container 1 too warm	The temperature of the [type] resource in module 1, container 1 is higher than 8 °C.	
770	[Type] in module 2, container 1 too warm	The temperature of the [type] resource in module 2, container 1 is higher than 8 °C.	
771	[Type] in module 3, container 1 too warm	The temperature of the [type] resource in module 3, container 1 is higher than 8 °C.	
772	[Type] in module 4, container 1 too warm	The temperature of the [type] resource in module 4, container 1 is higher than 8 °C.	
773	[Type] in module 1, container 2 too warm	The temperature of the [type] resource in module 1, container 2 is higher than 8 °C.	
774	[Type] in module 2, container 2 too warm	The temperature of the [type] resource in module 2, container 2 is higher than 8 °C.	
775	[Type] in module 3, container 2 too warm	The temperature of the [type] resource in module 3, container 2 is higher than 8 °C.	
776	[Type] in module 4, container 2 too warm	The temperature of the [type] resource in module 4, container 2 is higher than 8 °C.	
777	Module 1 missing	Module 1 is missing or is not installed correctly.	
778	Module 2 missing	Module 2 is missing or is not installed correctly.	
779	Module 3 missing	Module 3 is missing or is not installed correctly.	
780	Module 4 missing	Module 4 is missing or is not installed correctly.	
781	M1A primed successfully	M1A has been primed successfully.	
782	M2A primed successfully	M2A has been primed successfully.	
783	M3A primed successfully	M3A has been primed successfully.	
784	M4A primed successfully	M4A has been primed successfully.	
785	M1B primed successfully	M1B has been primed successfully.	

Error code	Short text	Error message	Notes on troubleshooting
786	M2B primed success- fully	M2B has been primed successfully.	
787	M3B primed success- fully	M3B has been primed successfully.	
788	M4B primed success- fully	M4B has been primed successfully.	

MAKE IT
Wonderful!



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