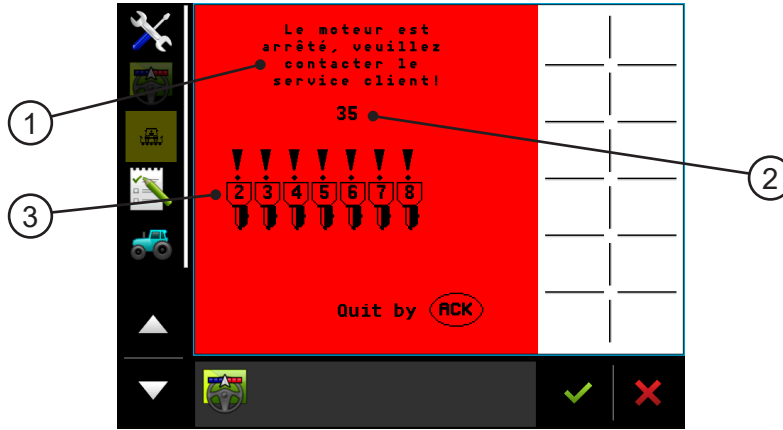


ALARMS LISTING

- ①- Description of the alarm
- ②- Alarm number
- ③- Troubleshooting



Alarm code	Cause	To do
31	ECU_PWR is lower than 10 V	1- Check ISOBUS power supply cables and fuses. Refer to tractor manual.
32	Regulated sensor power supply voltage is lower than 5 V	1- Check sensor cable for a short circuit. 2- Check for defective sensors.
33	Unregulated sensor power supply voltage is lower than 12 V	1- Check sensor cable for a short circuit. 2- Check for defective sensors.
34	Incorrect speed signal	1- Check connection of speed signal wire of the seed motor ECU.
35	No communication with motor ECU.	1- Check connection of the LIN signal wire of the seed motor ECU. 2- Do/Start a manual software update of the seed motor ECU if the green LED on the seed motor ECU is not flashing regularly. 3- Replace seed motor ECU.
36	No communication with LIN distributor.	1- Check connection cable between the 2 PCBs in the main ECU. 2- Do/Start a manual software update of the LIN distributor. 3- Replace main ECU.
37	Cable break on power lines of motor.	1- Check power connection between seed motor and seed motor ECU. 2- Check motor power connection of seed motor ECU. 3- Check fuses on LIN distributor.
38	ISO_PWR voltage is lower than 12 V	1- Check ISOBUS power supply cables and fuses. Refer to tractor manual.
39	Seeding disc/motor blocked	1- Check the ease of rotation of the seeding disc/motor. 2- Check encoder wires between seed motor and seed motor ECU. 3- Replace motor.
310	The speed is too high: Seed motor has reached the upper limit of turning.	1- Drive slower. 2- Check correct value for speed signal (Imp/100m). 3- Do a 100 m justification. 4- Check speed sensor.
311	Motor overload.	1- Check the ease of rotation of the seeding disc/motor. 2- Replace seed motor. 3- Replace seed motor ECU.
312	Motor control error or temperature fault.	1- Check the ease of rotation of the seeding disc/motor. 2- Replace seed motor ECU.
313	Software error on motor ECU.	1- Do/Start a manual software update of the seed motor ECU. 2- Replace seed motor ECU.
314	Encoder power supply fault.	1- Check encoder cable, possible short circuit. 2- Replace seed motor ECU. 3- Replace seed motor (encoder fault).
315	LIN bus fault.	1- Check connection of the LIN signal wire of the seed motor ECU, possible short circuit. 2- Replace main ECU.
316	DUO-Power supply fault.	1- Check the voltage of the DUO power in the main ECU. 2- Check all fuses.
317	Software error on LIN distributor.	1- Do/Start a manual software update of the LIN distributor. 2- Replace main ECU.
318	Rows disabled.	1- Information, that some rows are deactivated in the row configuration.
320	Hopper empty.	1- Check hopper level. 2- Check Grain sensor and connection. 3- Replace Grain sensor. 4- Replace seed motor ECU.

ALARMS LISTING

Alarm code	Cause	To do
320	Too few grains.	1- Check hopper and seeding disc. 2- Check lower threshold setting for grains. 3- Check Grain sensor and connection. 4- Replace Grain sensor. 5- Replace seed motor ECU.
321	Too many grains.	1- Check hopper and seeding disc. 2- Check upper threshold setting for grains. 3- Check Grain sensor and connection. 4- Replace Grain sensor. 5- Replace seed motor ECU.
322	Fan speed too low.	1- Check fan speed. 2- Check setting for fan speed threshold. 3- Check fan speed sensor and connection. 4- Replace fan speed sensor.
323	TECU sends hitch position error.	1- Check hitch sensor on tractor. Refer tractor manual. 2- Check settings for hitch sensor in TECU. Refer to tractor manual. 3- Check ISOBUS compatibility of TECU.
324	TECU Hitch information or TECU not available.	1- Check settings for Hitch sensor in TECU. Refer to tractor manual. 2- No TECU on ISOBUS found. Refer to tractor manual.
325		
326	Machine in transport position.	1- Lower seeder. 2- Check working position sensor.
327	Machine in working position.	1- Lift up / Raise seeder. 2- Check working position sensor.
328	Machine in Pause mode.	1- Leave Pause mode.
329	Error during filling seed disc.	1- Check connection of the LIN signal wire of the motor ECU. 2- Check the ease of rotation of the seeding disc/motor.
331	Machine is not stopped (Speed > 0).	1- Stop driving.
332	Seeding Unit auto test finished.	1- Acknowledge the message.
333	Invalid grain distance.	1- Change grain distance or setpoint value.
334	Too few SBOX input.	1- Use a SBOX with more inputs.
335	No communication with motor ECU.	1- Check connection of the LIN signal wire of the MICROSEM motor ECU. 2- Do/start a manual software update of the motor ECU if the green LED on the motor ECU is not flashing regularly. 3- Replace MICROSEM motor ECU.
336	Cable break on power lines of motor.	1- Check power connection between MICROSEM motor and seed motor ECU. 2- Check motor power connection of MICROSEM motor ECU.
337	Motor overload.	1- Check the ease of rotation of the MICROSEM motor. 2- Replace MICROSEM motor. 3- Replace MICROSEM motor ECU.
338	Motor control error or temperature fault.	1- Check the ease of rotation of the MICROSEM motor. 2- Replace MICROSEM motor ECU.
339	Software error on motor ECU.	1- Do/Start a manual software update of the MICROSEM motor ECU. 2- Replace MICROSEM motor ECU.
340	LIN bus fault.	1- Check connection of the LIN signal wire of the MICROSEM motor ECU, possible short circuit. 2- Replace ECV.
341	DUO-Power supply fault.	1- Check the voltage of the DUO power in the ECV. 2- Check all fuses.
342	Software error on ECV.	1- Make a manual software update of the ECV. 2- Replace ECV.
343	DUO-Power supply fault.	1- Check the voltage of the DUO power in the MM0X. 2- Check all fuses.
344	Motor overload.	1- Check the ease of rotation of the fertilizer motor. 2- Replace fertilizer motor. 3- Replace MM0X.
345	Motor control error.	1- Check the ease of rotation of the fertilizer motor. 2- Replace MM0X.
346	Motor control temperature fault.	1- Check the ease of rotation of the fertilizer motor. 2- Replace MM0X.
347	Voltage of power supply of MM0X.	1- Check the voltage of the ECU power to the MM0X. 2- Check all fuses.
348	Software error on MM0X.	1- Do/Start a manual software update of the MM0X. 2- Replace MM0X.

ALARMS LISTING

Alarm code	Cause	To do
349	Connection to ECV failed.	<ol style="list-style-type: none"> 1- Check the connection cables of ECV. 2- Check the terminator connection on the last ECV. 3- Check the switches on the ECV. 4- Check that there are enough ECV connected to the corresponding machine configuration. 5- Do/Start a manual software update of the ECV. 6- Replace ECV. 7- Replace main ECU.
350	Connection to MMOX failed.	<ol style="list-style-type: none"> 1- Check the connection cables of MMOX. 2- Check that there is the correct MMOX connected to the corresponding machine configuration. 3- Do/Start a manual software update of the MMOX. 4- Replace MMOX. 5- Replace main ECU.
351	Fertilizer adjustment required.	<ol style="list-style-type: none"> 1- Do a fertilizer adjustment.
352	MICROSEM adjustment required.	<ol style="list-style-type: none"> 1- Do a MICROSEM adjustment.
353	Target value of fertilizer changed due to new adjustment value	<ol style="list-style-type: none"> 1- Check fertilizer target value.
354	Target value of MICROSEM changed due to new adjustment value.	<ol style="list-style-type: none"> 1- Check MICROSEM target value.
355	Fertilizer hopper empty.	<ol style="list-style-type: none"> 1- Check fertilizer hopper. 2- Check hopper level sensor connection. 3- Check hopper level sensor. 4- Check machine configuration. 5- Replace main ECU.
356	Machine code invalid.	<ol style="list-style-type: none"> 1- Enter a correct machine code.
357	The speed is too high: MICROSEM motor has reached the upper limit of turning.	<ol style="list-style-type: none"> 1- Drive slower. 2- Check correct value for speed signal (Imp/100m). 3- Do a 100 m justification. 4- Check speed sensor.
358	All rows are deactivated.	<ol style="list-style-type: none"> 1- Activate at least one row.
359	MICROSEM motor blocked.	<ol style="list-style-type: none"> 1- Check the ease of rotation of the MICROSEM motor. 2- Check encoder wires between seed motor and MICROSEM motor ECU. 3- Replace MICROSEM motor ECU.
360	Encoder power supply fault.	<ol style="list-style-type: none"> 1- Check encoder cable, possible short circuit. 2- Replace MICROSEM motor ECU. 3- Replace MICROSEM motor (encoder fault).
361	No Fileserver found.	<ol style="list-style-type: none"> 1- Check if there is a ISOBUS Fileserver connected to / present on the ISOBUS.
362	Connection to speed sensor switch failed.	<ol style="list-style-type: none"> 1- Check connection to the speed sensor switch. 2- Do/Start a manual software update of the speed sensor switch. 3- Replace speed sensor switch.
363	Voltage on power supply for speed sensor switch to loo.	<ol style="list-style-type: none"> 1- Check the voltage of the power of the speed sensor switch. 2- Check all fuses. 3- Replace speed sensor switch.
364	No signal from radar sensor.	<ol style="list-style-type: none"> 1- Check the connection of the radar sensor. 2- Check correct value for speed signal of the radar sensor (Imp/100m). 3- Do a 100 m adjustment of the radar sensor. 4- Check radar sensor. 5- Replace radar sensor. 6- Replace speed sensor switch.
365	No signal from wheel sensor.	<ol style="list-style-type: none"> 1- Check the connection of the wheel sensor. 2- Check correct value for speed signal of the wheel sensor (Imp/100m). 3- Do a 100 m adjustment of the wheel sensor. 4- Check wheel sensor. 5- Replace wheel sensor. 6- Replace speed sensor switch.
366	TC-GEO enabled, but the planter is set to seed spacing mode.	<ol style="list-style-type: none"> 1- Set the planter to UNIFORM.
367	Motor rpm change more than 10% over the target.	<ol style="list-style-type: none"> 1- Check the motor. 2- Replace the motor.