| Base | Descripti | Sub fault | Description | Remedies |
|-------|------------|------------|---------------------------------|------------------------------|
| fault | on | code | - | |
| Code | | | | |
| | | Controller | - Reduces only | itself (if possible) |
| | | warning | performance - Fault will | |
| 0 | No error | - | - | at B400R not relevant |
| 1 | N/A | - | | at B400R not relevant |
| | | 1 | Battery voltage below absolute | Check battery G1, wiring |
| | | | minimum | and plug/screws (G1 |
| | | 2 | Capacitor voltage below | Change drive controller |
| | | | absolute minimum | |
| | | 3 | Battery voltage below battery- | Check battery G1, wiring |
| | | | management- system cut | and plug/screws (G1 |
| | | | back adjustment (drive cut | - F3 - A4+A5 B+/1) |
| | | | back | |
| | N / 10 | 4 | Capacitor voltage below | Check battery G1, wiring |
| | Voltage | | battery-management- | and plug/screws (G1 |
| 2 | getting | | system cut off adjustment | - F3 - A4+A5 B+/1) |
| Z | IOW | 1 | (drive cut back active) | at R400R pat relevant |
| | Inhihit | 1 | Cut out (Battory | at B400K not relevant |
| | drive / | | below battery-management- | |
| | Batterv- | | system cut Level) | |
| | manade | 2 | Pump inhibit input active (Only | at B400R not relevant |
| | ment- | - | Pump Software) | |
| | svstem | 3 | External battery controller via | at B400R not relevant |
| | Cut / | | CAN message time | |
| | External | | out | |
| | battery | 4 | External battery controller via | at B400R not relevant |
| | controller | | CAN message | |
| 3 | via can | | toggle security bit fail | |
| | | 1 | Battery voltage above | at B400R not relevant |
| | | | absolute minimum | |
| | | 2 | Capacitor voltage above | Change drive controller |
| | | | absolute minimum | |
| | | 3 | Battery voltage above High | High-impedance |
| | | | (broke out back adjustment | hetween drive controller |
| | Voltage | | Capacitor voltage above High | Change drive controller |
| | aettina | 4 | Voltage cut back | Change unve controller |
| 4 | hiah | | adjustment (brake cut back | |
| 5 | Motor | _ | Motor temperature higher than | Let cool down than reset |
| Ũ | temperat | | threshold level. Speed | by drive pedal through |
| | ure hiah | | reducina | neutral position. If failure |
| | | | | stays; check motor |
| 6 | Controller | - | Controller temperature higher | Let cool down, than reset |
| | temperat | | than threshold level. Speed | by drive pedal |
| | ure high | | reducing | through neutral position. |
| | | | | If failure stays; check |

| | 1 | Master does not share the | Check wiring (A4PIN A15 |
|--|----|--------------------------------|-------------------------|
| | | main relay but any one | - K2PIN N, |
| | | of the slave does | respectivly A4PIN A14 - |
| | 2 | Master shares the main relay | Check configuration and |
| | | but one of the requested slave | wiring (A5PIN A15 - |
| | 3 | A slave node number larger | |
| | | than last sharing | |
| | | node also share the main | |
| | 4 | WigWag is enabled but walkie | at B400R not relevant |
| | 5 | inching and walkie are both | at B400R not relevant |
| | 6 | dual motor with speed control | at B400R not relevant |
| | 7 | shared LC and Control Via | |
| | | CAN user interface | |
| | | both active | |
| | 8 | Inching and Control Via CAN | Check signal from A2 |
| | | user interface both | (control panel) and |
| | | active | wiring (A2X109/3+4 - |
| | 9 | Walkie and Control Via CAN | at B400R not relevant |
| | | user interface both | |
| | | active | |
| | 10 | Control Via CAN user | |
| | | interface enabled and CAN | |
| | | node number set as master | |
| | 11 | Hill hold Enabled and Torque | at B400R not relevant |
| | | control enabled | |
| | 12 | | |
| | 13 | CAN control type options are | |
| | | active but Control | |
| | | Via CAN user interface is not | |
| | 14 | Can Node ID via digital input | |
| | | enabled but control but | |
| | 45 | Control Via CAN user | |
| | 15 | means Shared main relay | |
| | | user interface option is | |
| | | activated (ShareLC >= 2) on | |
| | | but not control via CAN user | |
| | | | |
| | | (CANNISSS - 4). | |
| | | interface "master pade" ("CAN | |
| | | node") is higher/equal than | |
| | | last node ("ListNode") This | |
| | | happens in the controller with | |
| | 16 | the setting "Sharel C"=2 if | |
| | | "CAN node">= "I stNode" that | |
| | | is a non-sense | |
| | | Solution: check node | |
| | | assignment, and make sure | |
| | | | |

| | | 17 18 19 | Shared main relay user interface "slave node" "CAN node") is lower/equal than Shared main relay user interface "master" node (defined in "LstNode"). This happens in the controller with the setting "ShareLC"=3 if "CAN node"<= "LstNode", that is a non-sense. Solution: Safe Stop 1 and CAN node ID Via digital Inputs not compatible PC interface request controller | |
|----|--|-------------------------|---|---|
| | | < 000 | to stop pulsing | |
| | Adjustme | < 999 | Last 2 digits: adjustment | |
| | nt out of | | number within menu | |
| 7 | range | 999 | Power PCB doesn't match | |
| 8 | Default adjustme nts used | - | | |
| | | Drive error faults - | s graceful neutral brake – Requires a neutral rec | ycle action to reset fault |
| 9 | Memory | > 0 | Contact DMC | Change drive controller |
| | chip lault | | | |
| 10 | Both forward and reverse inputs active | - | Both direction switches are active at the same time. Notice that this fault is detected with 1s delay. | Check signal from A2 (control panel) and wiring (A2X109/3+4 - A4PIN A1+A2) |
| 10 | Both forward and reverse inputs active Ride-on: Seat switch not closed or timed out Walkie: Tiller switch not closed | - | Both direction switches are active at the same time. Notice that this fault is detected with 1s delay. | Check signal from A2 (control panel) and wiring (A2X109/3+4 - A4PIN A1+A2) Check switch S5 and wiring (S5 - A1(work master) - A4(Drive front) or A5(drive rear)) |

| | | 2 | Traction: Forward switch | Misuse or check signal |
|----|-----------|-----|--------------------------------|--------------------------------|
| | | | active at power up | from A2 (control panel) |
| | | | | and check wiring |
| | | 3 | Traction: Reverse switch | Misuse or check signal |
| | | | active at power up | from A2 (control panel) |
| | | | | and check wiring |
| | | 4 | Pump: speed 1 or pump pot | at B400R not relevant |
| | | | active at power up | |
| | | 5 | Pump: speed 2 active at | at B400R not relevant |
| | | 6 | Pump: speed 3 active at | at B400R not relevant |
| | | 7 | Pump: speed 4 active at | at B400R not relevant |
| | | 8 | Pump: speed 5 active at | at B400R not relevant |
| | | 9 | Inching: Forward switch active | Misuse or check signal |
| | | | at power up | from A2 (control |
| | | 10 | Inching: Reverse switch active | Misuse or check signal |
| | | | at power up | from A2 (control |
| | | 11 | Inhibit direction change fault | |
| | | 12 | CAN user interface Safety | |
| | | | Stop 1 switch inactive | |
| | | | fault | |
| | | 13 | | |
| | | 14 | Rear motor drives forward, | |
| | | | while front motor | |
| | Power up | . – | drives forward | |
| 40 | sequenc | 15 | EM brake switch manual | Misuse or check switch |
| 12 | e fault | | relased at rear motor | S2 and wiring |
| | Accelerat | 1 | Normal accelerator type high | Check potentiometer B3 |
| | or more | | at power up | and wiring (B3PIN5 - |
| 40 | than 50% | 2 | Wig-wag high at power up | Check potentiometer B3 |
| 13 | at power | 0 | | and wiring (B3PIN5 - |
| | | 0 | | Check sub failure |
| | | 1 | Forward switch active when | at B400R not relevant |
| | | 2 | Reverse switch active when | at B400R not relevant |
| | | - | FS1 switch active when | Misuse or check switch |
| | | 3 | inching | B3 + signal from |
| | | | | A2(control panel) |
| | | 4 | Seat switch active when | Misuse or check switch |
| | | | inching | S5 + signal from |
| | | | | A2(control panel) and |
| | la obia a | | | Wiring (S5 - A1(Work |
| | Inching | ~ | Foot Brake switch active when | |
| 11 | sequenc | 5 | inching | S2 + signal from A2 |
| 14 | e iduits | 6 | Hand Brake active when | (control parier) and wring |
| | | Ö | | S15 + signal from |
| | | | | $\Delta 2$ (control panel) and |
| | | 7 | Both inching buttons active | at R400R not relevant |
| | | 1 | when inching | |
| | | | | |

| ſ | 8 | Inching buttons active when | at B400R not relevant |
|-------------------|---|---|--|
| | | normal drive | |
| Belly | - | | |
| switch | | | |
| active | | | |
| | Soft error | ately stops pulsing - | action to reset fault |
| | | Requires a neutral recycle | |
| <u> </u> | <u> </u> | +5 V supply voltage too low | |
| Supply | <u> </u> | +5 V supply voltage too high | |
| voltage | 3 | +14 V supply voltage too low | |
| fault Ermen in | 4 | +14 V supply voltage too high | |
| Error in | 0 | F 15 or saftey line between | |
| ouner | | disconnected | - A5PIN ATT+A30) |
| controller | | disconnected | |
| | 1 | Battery voltage below Low | Check battery G1, wiring |
| | - | Voltage absolute | and plug/screws (G1 |
| | | minimum | - F3 - A4+A5 B+/1) |
| | 2 | Capacitor voltage below Low | Change drive controller |
| | | Voltage absolute | - |
| | | minimum | |
| | 3 | Battery voltage below Low | Check battery G1, wiring |
| | | Voltage error | and plug/screws (G1 |
| | | adjustment | - F3 - A4+A5 B+/1) |
| Battery | 4 | Capacitor voltage below Low | Change drive controller |
| voltage | | Voltage error | |
| too low | | adjustment | |
| sided | 1 | M1 mosfets | Change drive controller |
| mosfets | 2 | M2 mosfets | Change drive controller |
| short | 3 | M3 mosfets | Change drive controller |
| Motor | - | Motor blocked for more than | Check motor M1+M2, |
| stall | | 10s, or encoder wire broken | encoder (M1+M2) and |
| protectio | | | wiring (M1+M2 |
| n | | | X1PIN2+3 - A4+A5 PIN |
| | Hard error | stops pulsing and open | y by a key switch recycle |
| | | main relay – Reset oni | |
| | I | during initialization | |
| - | 2 | Negative overcurrent detected | |
| Lordword | 2 | during initialization | |
| | .3 | Positive overcurrent detected | |
| current | 4 | Negative overcurrent detected | |
| detected | > 4 | Contact DMC | Change drive controller |
| | . 1 | Digital contactor output 1 short | Check drive contactor |
| I | | | |
| | I | circuit during | K2+K3, wiring and |
| | I | circuit during initialization | K2+K3, wiring and plugs (A4+ A5 PIN A15 - |
| | 2 | circuit during initialization Digital contactor output 1 short | K2+K3, wiring and plugs (A4+ A5 PIN A15 - Check drive contactor |
| | Belly switch active Supply voltage fault Error in other controller Battery voltage too low sided mosfets short Motor stall protectio n Hardware over current detected | 8Belly switch active-Soft error faults -Supply voltage fault1Supply voltage fault2Supply voltage fault3Fror in other controller00123Battery voltage too low4Sided mosfets1Sided short1Motor stall protectio n-Hard error faults -121Hardware over current detected31211 | 8 Inching buttons active when normal drive Belly switch active - Supply switch active - 1 +5 V supply voltage too low Supply voltage fault 1 2 +5 V supply voltage too low 2 +5 V supply voltage too low 4 +14 V supply voltage too low 6 +15 or saftey line between controllers 6 0 F15 or saftey line between controllers 1 Battery voltage below Low Voltage absolute minimum 2 Capacitor voltage below Low Voltage absolute minimum 3 Battery voltage below Low Voltage error adjustment 8attery voltage 4 Capacitor voltage below Low Voltage error adjustment 1 M1 mosfets 9 M2 mosfets 9 M2 mosfets 9 M2 mosfets 9 M3 mosfets 9 Notor blocked for more than 10s, or encoder wire broken 1 |

| | | 3 | Digital contactor output 1 short | Check drive contactor |
|----|-------------|----|-----------------------------------|---|
| | | 0 | circuit when | K2+K3 wiring and |
| | | | | $\Lambda 2 + \Lambda 3$, with g and pluge ($\Lambda 4 \pm \Lambda 5$ DIN $\Lambda 15$ |
| | | 4 | Cioseu | plugs (A4+ A5 PIN A15 - |
| | | 4 | | Check brake switch S21, |
| | | | circuit during initialization | wiring and plugs(A4PIN |
| | | _ | | A16 - S21PIN NC2 - M1 |
| | | 5 | Digital contactor output 2 short | Check brake switch S21, |
| | | | circuit at closing | wiring and plugs(A4PIN |
| | | | | A16 - S21PIN NC2 - M1 |
| | | | Digital contactor output 2 short | Check brake switch S21, |
| | | 6 | circuit when closed | wiring and plugs(A4PIN |
| | | | | A16 - S21PIN NC2 - M1 |
| | | 7 | Digital contactor output 3 short | Check wiring and plugs |
| | | | circuit during | (A4PIN A17 - |
| | | | initialization | X11PIN4 - A5PIN |
| | Contacto | | | A11+A30) |
| | r coil | | Digital contactor output 3 short | |
| | driver | | circuit at closing | |
| | fault (e.a. | 8 | Digital contactor output 3 short | Check wiring and plugs |
| | short | 0 | circuit when | |
| | sirouit) | | | |
| | circuit) | 0 | Digital autout 4 abort airouit | |
| | | 9 | Digital output 4 short circuit | |
| | | 10 | | (A4PIN A17 - |
| | | 10 | Digital output 4 short circuit at | at B400R not relevant |
| | | 11 | Digital output 4 short circuit | at B400R not relevant |
| | | | when closed | |
| | | 12 | Unknow fault | at B400R not relevant |
| | | 13 | Battery voltage above High | Change drive controller |
| | | | Voltage absolute | |
| 21 | | | maximum | |
| | | 1 | Capacitor voltage above High | |
| | | | Voltage absolute | |
| | | | maximum | |
| | | 2 | Battery voltage above High | Change drive controller |
| | | | Voltage error | - |
| | | | adjustment | |
| | | 3 | Capacitor voltage above High | |
| | Voltage | - | Voltage error | |
| | is too | | adjustment | |
| 22 | hiah | 4 | M1 mosfets | Change drive controller |
| | LOW | 1 | M2 mosfets | Change drive controller |
| | sided | 2 | M3 mosfets | Change drive controller |
| 23 | mosfets | 3 | Cannot finish checking the | Change drive controller |
| | short | 0 | hardware fail safe | change anve controller |
| | circuit in | 1 | Hardware fail safe feedback is | Reset and than key OFF |
| | | I | low at startun | and ON If failure |
| | | 2 | Hardware fail safe foodback in | Reset and than key OFF |
| | | ۲ | high during | and ON If failure |
| | | | toggling | anu UN. II iallule |
| | | | ເບິ່ງຢູ່ແມ່ນ | stay change drive |

| | | 3 | Hardware fail safe feedback is | Reset and than key OFF |
|----|-------------|----|---------------------------------|--------------------------|
| | | | low after toggling | and ON. If failure |
| | | | stops | stay change drive |
| | | 4 | Hardware fail safe | Reset and than key OFF |
| | | | encountered an unknown | and ON. If failure |
| | | 5 | Hardware fail safe is not alive | Reset and than key OFF |
| | | | during normal run | and ON. If failure |
| | | 6 | Main loop is stuck | Reset and than key OFF |
| | | | | and ON. If failure |
| | | 7 | Software watchdog caused a | Reset and than key OFF |
| | | | reset. Recalculation | and ON. If failure |
| | Hardware | | is disabled now! | stay change drive |
| | fail safe | 8 | Could not discharge the | Reset and than key OFF |
| 24 | fault | | capacitor bank | and ON. If failure |
| | relay | 1 | Capacitor bank dit not charge | Change drive controller |
| | fault (e.g. | | sufficiently to safely | |
| | short | | close the main relay | |
| 25 | circuit) | 2 | Main relay opened | Change drive controller |
| | | 3 | Pump thermal shutdown | Check drive contactor |
| | | | | K2+K3 and wiring |
| 26 | Thermal | 1 | Pump low voltage shotdown | at B400R not relevant |
| | shutdown | 2 | M1 mosfets | at B400R not relevant |
| 27 | Low | 1 | M2 mosfets | Change drive controller |
| | sided | 2 | M3 mosfets | Change drive controller |
| | mosfets | 3 | Quadrature encoder sensor | Change drive controller |
| | short | | wire off or noise detected (AC | 0 |
| | | 1 | 5 V supply wire off detected | Check encoder (M1+M2) |
| | | | | and wiring (M1+M2 |
| | | 2 | 0 V supply wire off detected | Check encoder (M1+M2) |
| | | | | and wiring (M1 + M2 |
| | | 3 | Wig-wag out of safety range | Check encoder (M1+M2) |
| | | | | and wiring (M1+M2 |
| | | 4 | Motor Temperature Sensor | Check potentiometer B3 |
| | | | wire off | and wiring (B3PIN5 - |
| | | | | A4PIN A9, respectivly |
| | | 5 | | Check sensor (M1+M2) |
| | | | | and wiring (M1+M2 |
| | | 6 | | |
| | | 7 | EM brake wire off or short to | |
| | | | battery minus detected | |
| | | | Accelerator potentiometer wire | Bremse (M1+M2)und |
| | | | off detected or not | check wiring (M1 X3PIN1 |
| | | 8 | matching with Fs1 digital | - A4PIN A14, respectivly |
| | | | signal | M1 X3PIN2 - S21 PIN |
| | | | | NO1+NC1 (- NO2 - XS6 - |
| | | 9 | Steer potentiometer wire off | at B400R not relevant |
| | | | (<0,2V or >4,5V) in | |
| | Wire off | | rear controller | |
| 28 | detected | 10 | shared main relay slave time | at B400R not relevant |

| | | 1 | | shared main relay Master fails | Check CAN-Bus |
|----|----------|----|----|--------------------------------------|-------------------------|
| | | | | to broadcast to | |
| | | | | slaves | |
| | | 2 | | shared main relay requested | Check CAN-Bus |
| | | _ | | slave is not found by | |
| | | | | master | |
| | | 3 | | shared main relay master time | Check CAN-Bus |
| | | 4 | | Control Via CAN user | Check CAN-Bus |
| | | | | interface timeout (not receive | |
| | | | | CAN Drive Command | |
| | | | | Message from | |
| | | 5 | | Control Via CAN user | Check CAN-Bus |
| | | _ | | interface security bit error | |
| | | | | (machine controller fails to | |
| | | 6 | | Control Via CAN user | Check CAN-Bus |
| | | Ŭ | | interface enable switch/wire | |
| | | | | is not connected | |
| | | 7 | | | Check wiring (A4PIN A17 |
| | | 8 | | | |
| | | 0 | | | |
| | CAN | 10 | | | |
| 20 | foult | 10 | | | |
| 29 | Tault | 11 | | Ose Neda ID dia diaitati succeta | |
| | | 12 | _ | Can Node ID via digital inputs | Sub fault |
| | | 13 | | is detected to 0, | code |
| | | | | check input status | |
| | | 14 | | | Check CAN-Bus |
| | | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | | 18 | Control unit message counter | |
| | | | 19 | Control unit check sum error | Check CAN-Bus |
| | | | 20 | Control unit time out timer | Check CAN-Bus |
| | | | | setting 13 in CAN setup | |
| | | | | menue | |
| | | | 21 | No message recieved by rear | Check CAN-Bus |
| | | | | controller after time | |
| | | | | out timer setting 13 in CAN | |
| | | | | setup menue | |
| | | | 22 | Security bit is not toggeling | Check CAN-Bus |
| | | | | due to whatever CAN | |
| | | | | problems | |
| | | 1 | | No message recieved by front | Check CAN-Bus |
| | | | | controller after time | |
| | Motor | | | out timer setting 14 in CAN | |
| 30 | overspee | | | setup menue | |
| | ding | 2 | | Security bit is not toggeling | Check CAN-Bus |
| | | | | due to whatever CAN | |
| | | | | problems | |

| 31 | Motor | | | > 0 | Stand alone vehicle but front | Check CAN-Bus |
|------|--------------|--------|---|-----|---------------------------------------|---------------------------------------|
| | fault | | | | controller still recieve | |
| | | | | | message from rear controller | |
| 32 | Motor | | | > 0 | Motor speed is too high to | Check configuration |
| | Module | | | | commence safe pulsing | |
| | initializati | | | | (speed is > 80 % of maximum | |
| | on error | | | | motor | |
| 33 | Motor | | | > 0 | Motor speed is higher than | Check encoder (M1+M2) |
| | Module | | | | absolute maximum | |
| | configura | | | | speed (Check Absolute | |
| | tion | | | | Maximum Speed) | |
| | inconsist | | | | | |
| | ency | | | | | |
| 34 | Motor | | | > 0 | See table "Motor sub error | Check encoder (M1+M2) |
| | Module | | | | codes" | · · · · · · · · · · · · · · · · · · · |
| | paramete | | | | | |
| | r | | | | | |
| | inconsist | | | | | |
| | ency | | | | | |
| | Current | | 1 | | See table "Motor sub error | see Motor failure list |
| 35 | sensor | | 2 | | See table "Motor sub error | see Motor failure list |
| 36 | Controllor | | 2 | | See table "Motor sub error | see Motor failure list |
| - 50 | tomporat | | - | | | |
| | | | | | codes | (down) |
| | | | | | | |
| | 100 | | | | | |
| | degree | | | | | |
| | | | 1 | | Could not initialize the | see Motor failure list |
| | | | 2 | | Time out during calibration | Reset and than key OFF |
| | | | | | · · · · · · · · · · · · · · · · · · · | and ON. If failure |
| | Generic | | 3 | | | Reset and than key OFF |
| 39 | time out | | Ŭ | | | and ON If failure |
| 40 | System | | | > 0 | Time out on configuration | at B400R not relevant |
| 40 | Fault | | | - 0 | unload | |
| L | | 1 | | | Time out on getting stable | Reset and than key OFF |
| | | | | | linnuts | and ON If failure |
| | | | | | Time out on motor ready | Reset and than key OFF |
| | | | | | | and ON If failure |
| | | Sub | | | Internal system error Contact | Reset and than key OFF |
| | | Code | | | | and ON If failure |
| | | Soue | 0 | | Motor foilure | Change drive controller |
| | | 1 | U | | | Change unve controller |
| | | ו ר | | | No errors in the motor module | liet |
| | | 2 | | | The motor module sould act | |
| | | 3 | | | | Kemedies |
| | | | | | | |
| | | | | | init failure: load default and | |
| | | | | | reparametrize. It persist refer | |
| | | | | | to DMC. | |

| 4 | The motor could not be fluxed | |
|----|---------------------------------------|--|
| | in time or motor not | |
| | connected, Check motor | |
| 5 | A motor overcurrent is | |
| 6 | Internal unrecoverable Failure: | |
| | Refer to DMC. | |
| 7 | Wrong current: rated motor | |
| | current is greater than | |
| | maximum current : Increase | |
| | Maximum Current in the | |
| 8 | internal error. Refer to DMC. | |
| 9 | internal error. Refer to DMC. | |
| 10 | Internal error: load default and | |
| | reparametrize. If | |
| | persist refer to DMC. | |
| 11 | internal error: load default and | |
| | reparametrize. If | |
| | persist refer to DMC. | |
| 12 | internal error: load default and | |
| | reparametrize. If | |
| | persist refer to DMC. | |
| | internal error: load default and | |
| 13 | reparametrize. If | |
| | persist refer to DMC. | |
| 14 | internal error: load default and | |
| | reparametrize. If | |
| | persist refer to DMC. | |
| | Wrong settings: min flux | |
| | demand is greater than max | |
| 15 | flux demand. | |
| | Check setting number #in the | |
| | Motor Setup menu | |
| | it must be greater or equal to | |
| | internal error: load default and | |
| 16 | reparametrize. If | |
| 47 | persist refer to DMC. | |
| 1/ | Unable to calculate motor | |
| | curves: | |
| | \rightarrow decrease motor nominal | |
| | trequency (do autotuing | |
| | again) \rightarrow increase nominal | |
| | current (do autotuning again) | |

| 18 | Unable to recalculate motor |
|----|---|
| | parameters because unable to |
| | find the frequency base point |
| | for field weakening within the |
| | set max frequency: a.reduce |
| | maximum current in the |
| | autotuning menu (do auto- |
| | tuning again) |
| | b.increase max. frequency |
| | parameter in the autotuning |
| | Unable to re calculate motor |
| | parameters because |
| | flux is out of table: \rightarrow perform |
| | auto tuning again decreasing |
| | An internal unknown error |
| | occurred: refer to DMC. |