

Product: KOMATSU 960E-1K Rigid Dump Truck Service Repair Workshop Manual(CEBM022601)

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CEBM022601

Shop Manual

960E-1K

DUMP TRUCK

SERIAL NUMBERS **A50003 - A50010**

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DUMP TRUCK

960E

Machine model	Serial number
960E-1K	A50003 and up

00 Index and foreword

Index

Composition of shop manual	2
Table of contents	4

Composition of shop manual

The contents of this shop manual are shown together with Form No. in a list.

Note 1: Always keep the latest version of this manual in accordance with this list and utilize accordingly.

The marks shown to the right of Form No. denote the following:

□: New module (to be filed additionally) ●: Revision (to be replaced for each Form No.)

Note 2: This shop manual can be supplied for each Form No.

Note 3: To file this shop manual in the special binder for management, handle it as follows:

- Place a divider on the top of each section in the file after matching the Tab No. with No. indicated next to each Section Name shown in the table below:
- File overview and other materials in sections in the order shown below and utilize them accordingly.

<u>Section Title</u>	<u>Form Number</u>
Shop Manual, contents binder, binder label and tabs	CEBM022601 ●
00 Index and foreword	
Index	CEN00008-01 ●
Foreword, safety and general information	CEN00005-05 ●
Operating instructions	CEN00009-01 ●
01 Specification	
Specification and technical data	CEN01004-01 ●
10 Structure, function and maintenance standard	
Steering circuit	CEN10001-02 ●
Hoist circuit	CEN10002-01
Brake circuits	CEN10003-02
Suspensions	CEN10004-01
Electrical system, 24 volt	CEN10013-02
Interface module (IM)	CEN10027-00
Drive system	CEN10023-01 ●
Cab air conditioning	CEN10008-01
Reserve engine oil system	CEN10022-00
SIBAS® IGBT rack components	CEN10016-01
20 Standard value table	
Standard value table	CEN20003-00
30 Testing and adjusting	
General information	CEN30001-01
Steering, brake cooling and hoist hydraulic system	CEN30002-01 ●
Brake system	CEN30015-01 ●
Accumulators and suspensions	CEN30004-02
Cab air conditioning	CEN30007-01
Interface module (IM)	CEN30026-01 ●

IGBT haul truck SIBAS® user manual, part 1	CEN30021-02
IGBT haul truck SIBAS® user manual, part 2	CEN30022-02
Installing ZR / DSP software	CEN30023-02
40 Troubleshooting	
Fuse and circuit breaker locations	CEN40009-01
Troubleshooting by failure code, Part 1	CEN40011-01
Troubleshooting by failure code, Part 2	CEN40049-00
Troubleshooting by failure code, Part 3	CEN40050-00
Troubleshooting by failure code, Part 4	CEN40051-00
Troubleshooting by failure code, Part 5	CEN40052-00
Drive system fault code table, Part 1	CEN40041-00
Drive system fault code table, Part 2	CEN40042-00
Drive system fault code table, Part 3	CEN40043-00
Drive system fault code table, Part 4	CEN40044-00
Drive system fault code table, Part 5	CEN40045-00
Drive system fault code table, Part 6	CEN40046-00
Drive system fault code table, Part 7	CEN40047-00
Cab air conditioning	CEN40008-01
Reserve engine oil system	CEN40010-00
50 Disassembly and assembly	
General information	CEN50001-03 ●
Wheels, spindle and rear axle	CEN50022-01 ●
Brake system	CEN50030-00 ●
Steering system	CEN50004-03 ●
Suspensions	CEN50005-05 ●
Hoist circuit	CEN50006-03 ●
Operator cab	CEN50007-02 ●
Body and structures	CEN50024-01 ●
Cab air conditioning	CEN50009-02 ●
Power module	CEN50021-01 ●
Auto lubrication system	CEN50025-01 ●
Three phase wheel motor	CEN50026-01 ●
Main blower	CEN50031-00 □
Retarding grid	CEN50032-00 □
Control cabinet	CEN50033-00 □
90 Diagrams and drawings	
Hydraulic circuit diagrams	CEN90001-00
Electrical circuit diagrams	CEN90006-00
Electrical circuit diagrams - drive system	CEN90007-00

Table of contents

00 Index and foreword	
Index	CEN00008-00
Composition of shop manual	2
Table of contents	4
Foreword, safety and general information	CEN00005-05
Foreword	4
How to read the shop manual	5
General safety	7
Precautions before operating the truck	10
Precautions while operating the truck	12
Working near batteries	15
Precautions before performing service	17
While performing maintenance	18
Tires	20
Precautions for performing repairs	21
Precautions for welding on the truck	22
Handling electrical equipment and hydraulic components	23
How to read electric wire code	31
Standard torque tables	34
Conversion tables	39
Operating instructions	CEN00009-00
Preparing for operation	3
Engine start-up	7
After engine start-up	8
Emergency steering system	9
Precautions during truck operation	10
Operating on a haul road	11
Starting on a grade with a loaded truck	11
Loading the dump body	12
Dumping a load	12
Using the speed control feature	14
Safe parking procedure	15
Normal engine shutdown procedure	15
Sudden loss of engine power	16
Fuel depletion	16
Towing	17
Disabled truck operation	20
Disabled truck dumping procedure	21
01 Specification	
Specification and technical data	CEN01004-00
Specification drawing	3
Specifications	4
Weight table	6
Fuel, coolant and lubricants	7

10 Structure, function and maintenance standard	
Steering circuit	CEN10001-01
Steering circuit operation.....	3
Steering circuit components	5
Flow amplifier operation	8
Steering/brake pump operation	17
Steering cylinder wear data	20
Hoist circuit	CEN10002-01
Hoist circuit operation.....	3
Hoist circuit components	4
Hoist pilot valve operation	8
Hoist cylinder wear data	18
Brake circuits	CEN10003-02
General information.....	3
Service brake circuit operation	4
Secondary braking and auto apply.....	4
Parking brake circuit operation.....	6
Wheel brake lock circuit operation	7
Brake warning circuit operation.....	7
Brake assembly wear data	9
Suspensions	CEN10004-01
General information.....	3
Front suspension wear data	3
Rear suspension wear data	4
Electrical system, 24V	CEN10013-02
Battery supply system	3
Auxiliary control cabinet components.....	4
Relay boards	6
Body position switches (With proximity switch and metal arm)	10
Body position switches (With proximity switch and magnet)	12
Interface module (IM)	CEN10027-00
General information.....	2
Sensors	2
Interface module inputs and outputs	3
Drive system	CEN10023-01
SR rectifier module.....	3
ST module (auxiliary voltage inverter).....	3
SD phase modules.....	7
SR/ST/SD module removal	7
Inverter cabinet layout.....	8
Inverter cabinet water flow	8
Field regulator	9
Field regulator (discharge resistor)	9
Gate unit power supply	10
Gate unit power supply (diode)	10
Gate unit power supply (tuning resistor)	10

Control power filter	10
Filter for TCU	11
Terminal block bus bar	11
Fuses (analog sensor voltage)	12
Fuses (fuse holder for field regulator)	12
Fuses (control power and trolley box contactor)	13
Diode modules	13
Support capacitors	14
3-Phase capacitor bank (for ST module output voltage)	14
Air-cooled inductors (for ST module).....	15
3-Phase transformer (for ST module).....	15
Diagnostics box	16
Diagnostic and system monitoring panel.....	17
Current transducers.....	18
Current transducers (for ST module output).....	19
Voltage transducers.....	19
Voltage transducers (for ST module output).....	20
Voltage transducers (SiBAS® 24V DC bus monitoring)	20
Analog inclinometer.....	21
DC link capacitors	21
Ground tie capacitor	22
Low-inductance bus bar assembly	22
Free-wheeling diode for low-inductance bus bars.....	23
Contactors (grid box and main blower motor)	23
Contactors (control power).....	24
Contactors (DC contactors).....	24
Contactors (crowbar bypass)	25
Temperature probes (PT100 style).....	25
Coolant inlet temperature sensor	25
Coolant outlet temperature sensor (external pad style)	26
IGBT module heat sink temperature sensor.....	26
Coolant outlet temperature sensor (internal style)	26
Coolant outlet temperature sensor (external pad style)	27
Circuit breakers	27
Inner circulating blower fan	28
Coolant pump	28
Motor for coolant pump	29
Coolant pressure sensor	29
Inner radiator	29
Ground voltage monitoring resistors	30
Protection thyristor assembly (crowbar)	30
Discharge reactor	31
Main blower motor.....	31
Grid box.....	32
Grid box blower motor.....	32
Grid box blower motor grease fittings.....	33

Main alternator	33
Main alternator circuit diagram	36
IGBT – inverter/chopper phase module	37
Troubleshooting information	39
Main input rectifier module	40
Internal circuit diagram	41
Upper ground tie resistor	42
Lower ground tie resistor	42
Troubleshooting	43
Speed sensor, alternator	44
Speed sensors, wheel motors	45
Traction motor	46
Grid box	47
Cab air conditioning	CEN10008-01
General information	2
Principles of refrigeration	3
Air conditioning system components	5
Air conditioning system electrical circuit	9
Reserve engine oil system	CEN10022-00
General information	3
Operation	4
Remote tank fill system	5
SIBAS® IGBT rack components	CEN10016-01
SIBAS® 32 Traction Control Unit (TCU)	3
Overview of the SIBAS® 32 systems	4
Removing and installing the SIBAS® 32 cards	8
SIBAS® 32 card device names	9
Structure of SIBAS® 32 card part number	10
SIBAS® 32 card interchangeability	11
SIBAS® 32 card interactions	14
SIBAS® 32 card detailed information	17
Blower subassembly	17
CPU card	20
DSP card	23
I/O card	25
TRACO card (optional)	28
Input voltage/frequency card	31
I/O analog card	33
I/O analog card	36
Output pulse amplifier card	39
Input temperature sensor card	42
UWS card	45
Digital input card	48
Power start-up unit card	51
Binary output contactor drive card	54
24V / 24V power supply	57

24V / 15V power supply	60
24V / 5V power supply	63
20 Standard value table	
Standard value table	CEN20003-00
Standard value table for truck.....	3
30 Testing and adjusting	
General information	CEN30001-01
Special tools	3
Steering, brake cooling and hoist hydraulic system	CEN30002-01
General information on system checkout	3
Steering system checkout procedures	3
Steering system checkout data sheet.....	9
Toe-in adjustment	10
Brake cooling and hoist system checkout procedures	11
Brake cooling and hoist system checkout data sheet	16
Hoist cylinder leakage test	17
Hydraulic system flushing procedure	17
Brake system	CEN30015-01
General information on system checkout	3
Brake circuit checkout procedure	3
Brake system checkout data sheet	14
Brake piston leakage test	19
Brake seal pressure test.....	19
Wet disc brake bleeding procedure	20
Parking brake bleeding procedure	20
Brake disc wear inspection.....	21
Brake valve bench test and adjustment	23
Dual relay valve bench test and adjustment.....	26
Accumulators and suspensions	CEN30004-02
Accumulator charging and storage.....	3
Accumulator leak testing	8
Suspension oiling and charging procedures	10
Suspension pressure test.....	17
Cab air conditioning	CEN30007-01
General information.....	2
Service tools and equipment	3
Detecting leaks.....	6
System performance test	7
Checking system oil	8
System flushing	9
Installing the manifold gauge set.....	10
Recovering and recycling refrigerant.....	11
Evacuating the air conditioning system	13
Charging the air conditioning system	14

A/C drive belt checkout procedure	15
Infterface module (IM)	CEN30026-01
Interface module software	2
Interface module checkout procedures	4
IGBT haul truck SIBAS® user manual, part 1	CEN30021-02
Abbreviations	3
Precautions	5
Qualified person	5
Customer monitor for SIBAS® 32 control units	5
Installing and calling the customer monitor	8
Environment variables	8
Communication with the SIBAS® 32 control unit	9
Calling up the customer monitor	10
Monitor prompt	11
Notes on operation of the customer monitor	12
Command buffer	14
Structure of the monitor windows	14
Window menu	15
Set Menu	16
Applic. Menu	23
Hardw. Menu	33
Hardware-Oriented Access via the Customer Monitor	33
Graphic Menu	43
IGBT haul truck SIBAS® user manual, part 2	CEN30022-02
Traco Menu	3
HW-Traco	3
SW-Traco	5
DAC_Traco	9
Events Menu	11
STatistics	12
History	13
LEL:Last EvL	14
LES:Last EvS	16
DLL:DC,LastL	17
DLS:DC,LastS	18
DAL:DC,All L	19
DAS:DC,All S	20
ML:Memory L	21
MS:Memory S	22
CN:Clear Norm	23
CA:Clear All	23
Test-Code	23
DS:Diag-Strc	24
User Menu	25
DAC_IO	26
Operat.Data	28

Energy Usage data.....	29
Mileage indicator	30
Operating cycles.....	31
Service Brake on data	32
Temperature data	33
Motor torque data	34
Engine speed data	35
Gear test.....	35
Acc test.....	35
Engine_Test.....	35
X_Test_Inx.....	38
STate intern	39
ST inverter status	41
Vehicle status	41
Pedal calib.....	43
Language	44
OFFline-test.....	44
Variables.....	45
IV:Vehic-ID	47
Commands.....	47
Settings	49
Parameters.....	50
Temp_prot	52
Appendix	54
Background commands.....	54
Monitor commands for the central processing unit.....	55
Monitor commands for the signal processing unit.....	55
Installing ZR / DSP software	CEN30023-02
Monitor Program – Loading software into the SIBAS®	2
Loading software into the DSP procedure.....	2
Loading a DSP program Inverter A	7
Loading a DSP program Inverter B	13
Loading software into the CPU procedure	14
Loading ZR software Prog. jumpers Reset	21
Setting the system up After loading a new pgm	23
Loading the proper pgm file.....	23
40 Troubleshooting	
Fuse and circuit breaker locations	CEN40009-01
Fuse and circuit breaker locations.....	2
Troubleshooting by fault code, Part 1	CEN40011-01
Fault Code A001: Left front suspension pressure sensor signal high	3
Fault Code A002: Left front suspension pressure sensor signal low	4
Fault Code A003: Right front suspension pressure sensor signal high.....	5
Fault Code A004: Right front suspension pressure sensor signal low	6
Fault Code A005: Left rear suspension pressure sensor signal high.....	7

Fault Code A006: Left rear suspension pressure sensor signal low	8
Fault Code A007: Right rear suspension pressure sensor signal high	9
Fault Code A008: Right rear suspension pressure sensor signal low.....	10
Fault Code A009: Incline sensor signal high.....	11
Fault Code A010: Incline sensor signal low	12
Fault Code A011: Payload meter speed sensor signal has failed	13
Fault Code A013: Body up switch has failed.....	14
Fault Code A014: Payload meter checksum computation has failed.....	15
Fault Code A016: Payload meter write to flash memory has failed	16
Fault Code A017: Payload meter flash memory read has failed.....	17
Fault Code A018: Right rear flat suspension cylinder warning	18
Fault Code A019: Left rear flat suspension cylinder warning.....	20
Fault Code A022: Carryback load excessive	22
Fault Code A100: An open circuit breaker has been detected on a relay board.....	25
Fault Code A101: High pressure detected across an hydraulic pump filter	26
Fault Code A105: Fuel level sensor shorted to ground, indicating a false high fuel level	28
Fault Code A111: Low steering pressure warning for storage by VHMS	30
Fault Code A115: Low steering precharge pressure detected	32
Fault Code A117: Low brake accumulator pressure warning for storage by VHMS	34
Fault Code A118: Brake pressure is low while in brake lock.....	36
Fault Code A126: Oil level in the hydraulic tank is low	38
Fault Code A127: IM-furnished +5 volt output for sensors is low.....	40
Fault Code A128: IM-furnished +5 volt output for sensors is high	42
Fault Code A139: Low fuel warning for storage by VHMS and for use by A310.....	44
Troubleshooting by fault code, Part 2	CEN40049-00
Fault Code A145: Hydraulic temperature sensors cause advance of engine rpm to advance level 1 for cooling of hydraulic oil.....	4
Fault Code A146: Hydraulic temperature sensors cause advance of engine rpm to advance level 2 for cooling of hydraulic oil.....	6
Fault Code A152: Starter failure	8
Fault Code A153: Battery voltage is low with the truck in operation	10
Fault Code A154: Battery charging voltage is excessive	12
Fault Code A155: Battery charging voltage is low	13
Fault Code A158: Fuel level sensor is open or shorted high, indicating a false low fuel level	14
Fault Code A166: Left rear hydraulic oil temperature sensor is low.....	16
Fault Code A167: Right rear hydraulic oil temperature sensor is low	18
Fault Code A168: Left front hydraulic oil temperature sensor is low	20
Fault Code A169: Right front hydraulic oil temperature sensor is low	22
Fault Code A170: Left rear hydraulic oil temperature sensor is high	24
Fault Code A171: Right rear hydraulic oil temperature sensor is high.....	25
Fault Code A172: Left front hydraulic oil temperature sensor is high	26
Fault Code A173: Right front hydraulic oil temperature sensor is high	27
Fault Code A184: J1939 data link is not connected.....	28
Fault Code A190: Auto lube control has detected an incomplete lube cycle	30
Fault Code A194: Left front hydraulic oil temperature is high	32
Fault Code A195: Right front hydraulic oil temperature is high.....	33
Fault Code A196: Left rear hydraulic oil temperature is high	34

Fault Code A197: Right rear hydraulic oil temperature is high	35
Fault Code A198: Hoist pressure 1 sensor is high	36
Fault Code A199: Hoist pressure 2 sensor is high	37
Fault Code A200: Steering pressure sensor is high	38
Fault Code A201: Brake pressure sensor is high	39
Fault Code A202: Hoist pressure 1 sensor is low	40
Fault Code A203: Hoist pressure 2 sensor is low	41
Fault Code A204: Steering pressure sensor is low	42
Fault Code A205: Brake pressure sensor is low	43
Fault Code A206: Ambient temperature sensor is high.....	44
Fault Code A207: Ambient temperature sensor is low	45
Troubleshooting by fault code, Part 3	CEN40050-00
Fault Code A213: Parking brake should have applied but is detected as not having applied.....	3
Fault Code A214: Parking brake should have released but is detected as not having released.....	7
Fault Code A215: Brake auto apply valve circuit is defective.....	10
Fault Code A216: An open or short to ground has been detected in the parking brake command valve circuit.....	12
Fault Code A223: Excessive engine cranking has occurred or a jump start has been attempted	14
Fault Code A230: Parking brake has been requested while truck still moving.....	16
Fault Code A231: The body is up while traveling or with selector in forward or neutral.....	18
Fault Code A235: Steering accumulator is in the process of being bled down	22
Fault Code A236: The steering accumulator has not properly bled down after 90 seconds ...	24
Fault Code A237: The CAN/RPC connection to the display is open.....	26
Fault Code A240: The keyswitch input to the Interface Module is open	32
Fault Code A242: Fuel gauge within the dash display panel is defective	33
Fault Code A243: Engine coolant temperature gauge within the dash display panel is defective	34
Fault Code A244: Drive system temperature gauge within the dash display panel is defective	35
Fault Code A245: Hydraulic oil temperature gauge within the dash display panel is defective	36
Fault Code A246: Payload meter reports truck overload	37
Fault Code A247: Low steering pressure warning for display to operator.....	39
Fault Code A248: Status module within the dash display panel is defective.....	40
Fault Code A249: Red warning lamp within the dash display (driven by IM) is shorted.....	41
Fault Code A250: Battery voltage is low with the truck parked	42
Fault Code A251: Sonalert used with the dash display (driven by IM) is open or shorted to ground	44
Fault Code A252: Start enable output circuit is either open or shorted to ground.....	45
Fault Code A253: Steering bleed circuit is not open while running	46
Fault Code A256: Red warning lamp in the dash display (driven by IM) is open	49
Fault Code A257: Payload CAN/RPC is not connected	50
Fault Code A258: Steering accumulator bleed pressure switch circuit is defective	52
Troubleshooting by fault code, Part 4	CEN40051-00

Fault Code A260: Parking brake failure	4
Fault Code A261: Low brake accumulator pressure warning for display to operator.....	6
Fault Code A262: Steering bleed valve circuit open during shutdown	8
Fault Code A264: Parking brake relay circuit is defective	10
Fault Code A265: Service brake failure	12
Fault Code A266: Selector switch was not in park while attempting to crank engine	14
Fault Code A267: Parking brake was not set while attempting to crank engine	15
Fault Code A268: Secondary engine shutdown while cranking	16
Fault Code A270: Brake lock switch power supply is not on when required.....	18
Fault Code A271: Shifter not in gear	20
Fault Code A272: Brake lock switch power supply is not off when required	22
Fault Code A273: A fault has been detected in the hoist or steering pump filter pressure switch circuit.....	24
Fault Code A275: A starter has been detected as engaged without a cranking attempt	28
Fault Code A277: Parking brake applied while loading.....	30
Fault Code A278: Service brake applied while loading.....	32
Fault Code A279: Low steering pressure switch is defective.....	34
Fault Code A280: Steering accumulator bleeddown switch is defective	35
Fault Code A281: Brake lock degrade switch is defective	36
Fault Code A282: The number of excessive cranking counts and jump starts without the engine running has been reached.....	42
Fault Code A283: An engine shutdown delay was aborted because the parking brake was not set	40
Fault Code A284: An engine shutdown delay was aborted because the secondary shutdown switch was operated	46
Fault Code A285: The parking brake was not set when the keyswitch was turned off	44
Fault Code A286: A fault was detected in the shutdown delay relay circuit.....	46
Fault Code A292: The shutdown delay relay has remained on after the latched keyswitch circuit is off.....	48
Troubleshooting by fault code, Part 5	CEN40052-00
Fault Code A303: Shifter is defective	4
Fault Code A304: Auto lube grease level fault.....	6
Fault Code A305: Auto lube circuit is defective.....	8
Fault Code A309: No brakes applied when expected	10
Fault Code A310: Low fuel warning	12
Fault Code A311: Brake lock switch is on when it should not be	14
Fault Code A312: DCDC converter 12 volt circuit sensing is producing low readings.....	16
Fault Code A313: DCDC converter 12 volt circuit sensing is producing high readings	17
Fault Code A315: DCDC converter 12 volt circuit is low	18
Fault Code A316: Starter engagement has been attempted with engine running.....	20
Fault Code A317: Operation of brake auto apply valve without a detected response	22
Fault Code A318: Unexpected power loss to Interface Module	24
Fault Code A328: Drive system not powered up.....	25
Fault Code A350: Overload on output 1B	26
Fault Code A351: Overload on output 1E	28
Fault Code A352: Overload on output 1H.....	30

Fault Code A353: Overload on output 1J	31
Fault Code A354: Overload on output 1K	32
Fault Code A355: Overload on output 1L	33
Fault Code A356: Overload on output 1M	34
Fault Code A357: Overload on output 1N	35
Fault Code A358: Overload on output 1P	36
Fault Code A359: Overload on output 1R	37
Fault Code A360: Overload on output 1S	38
Fault Code A361: Overload on output 1T	40
Fault Code A362: Overload on output 1U	42
Fault Code A363: Overload on output 1X	43
Fault Code A364: Overload on output 1Y	44
Fault Code A365: Overload on output 1Z	45
Drive system fault code table, Part 1	CEN40041-00
Summary	3
EVENT CLASSIFICATION	4
1 L3C SYS: Time slice overflow CPU T1	6
2 L3C SYS: Time slice overflow CPU T2	6
3 L3C SYS: Time slice overflow CPU T3	6
4 L3C SYS: Time slice overflow CPU T4	6
5 L3C SYS: Time slice overflow CPU T5	6
6 L3C SYS: Time slice overflow CPU T6	6
7 L3C SYS: Time slice overflow CPU T7	6
8 L3C SYS: Time slice overflow CPU T8	6
10 L2A SYS: Pulse inhibit/asa inhibit PSU–ONLINE	7
11 L3D SYS: Pulse inhibit/asa inhibit PSU–Start-up	8
12 L1A SYS: SIBAS® blower fault	9
13 L1B SYS: Undervoltage in SIBAS® battery for BRAM	10
14 L3C SYS: SIBAS® power supply failure 24V for pulse amplifier	11
15 L3C SYS: SIBAS® power supply failure +5V	12
16 L3C SYS: SIBAS® power supply failure +15V	13
17 L3C SYS: SIBAS® power supply failure –15V	14
18 L3C SYS: SIBAS® power supply failure +24V	15
19 L3C SYS: SIBAS® power supply failure –24V	16
21 L3C SYS: FPGA clock missing for PSU	18
22 L3C SYS: Pulse inhibit by reset in PSU from CPU	19
24 L3C SYS: General protection error (G10)	20
25 L3C SYS: Total block	21
26 L1B SYS: Permanent inhibit fault active	22
27 L1B SYS: Regular inhibit fault active	23
28 L1A SYS: GW Test stopped by A/D converter faulty	24
30 L3C DSP A: Initialization fault detected by DSP	25
31 L3C DSP A: SW-WatchdoG	26
32 L3C DSP A: Initialization fault detected by CPU	27
33 L1B DSP A: SW-Traco triggered	28
34 L1B DSP A: SW-Traco full	29

35 L3C DSP A: Time slice overflow T1	30
36 L3C DSP A: Time slice overflow T2	30
37 L3C DSP A: Time slice overflow T3	30
38 L3C DSP A: Time slice overflow T4	30
39 L1A DSP A: Communication HSCX data from DSP B missing	31
40 L1A DSP A: Communication HSCX data from DSP T missing	32
41 L3C DSP A: Current offset during pulse block	33
42 L3C DSP A: Current offset during no pulse block	34
43 L3A DSP A: Overcurrent fault	35
44 L3C DSP A: Current transducer defective phase U	36
45 L3C DSP A: Current transducer defective phase W	37
48 L1A DSP A: Modulation software fault	38
49 L3A DSP A: Active current controller at limit	39
Drive system fault code table, Part 2	CEN40042-00
50 L3A DSP A: Active current reference at limit	3
51 L1A DSP A: Braking chopper controller at limit	4
52 L3C DSP A: Phase unbalance too large	5
53 L3A DSP A: Pulse block by DSP software	6
54 L3C DSP A: U/F Card defective	7
55 L3C DSP A: Difference in current of phase U over limit	8
56 L3C DSP A: Difference in current of phase W over limit	9
60 L3C DSP B: Initialization fault detected by DSP	10
61 L3C DSP B: SW-Watchdog	11
62 L3C DSP B: Initialization fault detected by CPU	12
63 L1B DSP B: SW-Traco triggered	13
64 L1B DSP B: SW-Traco full	14
65 L3C DSP B: Time slice overflow T1	15
66 L3C DSP B: Time slice overflow T2	15
67 L3C DSP B: Time slice overflow T3	15
68 L3C DSP B: Time slice overflow T4	15
69 L1A DSP B: Communication HSCX data from DSP A missing	16
70 L1A DSP B: Communication HSCX data from DSP T missing	17
71 L3C DSP B: Current offset during pulse block	18
72 L3C DSP B: Current offset during no pulse block	19
73 L3A DSP B: Overcurrent fault	20
74 L3C DSP B: Current transducer defective phase V	21
75 L3C DSP B: Current transducer defective phase W	22
78 L1A DSP B: Modulation software fault	23
79 L3A DSP B: Active current controller at limit	24
80 L3A DSP B: Active current reference at limit	25
81 L1A DSP B: Braking chopper controller at limit	26
82 L3C DSP B: Phase unbalance too large	27
83 L3A DSP B: Pulse block by DSP software	28
84 L3C DSP B: U/F Card defective	29
85 L3C DSP B: Difference in current of phase V over limit	30
86 L3C DSP B: Difference in current of phase W over limit	31

90 L3C DSP T: Initialization fault detected by DSP	32
91 L3C DSP T: SW-Watchdog.....	33
92 L3C DSP T: Initialization fault detected by CPU.....	34
93 L1B DSP T: SW-Traco triggered.....	35
94 L1B DSP T: SW-Traco full	36
95 L3C DSP T: Time slice overflow T1	37
96 L3C DSP T: Time slice overflow T2	37
97 L3C DSP T: Time slice overflow T3	37
98 L3C DSP T: Time slice overflow T4.....	37
99 L1A DSP T: Communication HSCX data from DSP A missing.....	38
Drive system fault code table, Part 3	CEN40043-00
100 L1A DSP T: Communication HSCX data from DSP B missing.....	3
101 L3C DSP T: Current offset during pulse block.....	4
102 L3C DSP T: Current offset during no pulse block.....	5
103 L3A DSP T: Overcurrent fault	6
104 L3C DSP T: Current transducer defective phase U	7
105 L3C DSP T: Current transducer defective phase V	8
106 L3C DSP T: Current transducer defective phase W.....	9
107 L3C DSP T: Sum of output current not equal zero	10
108 L1A DSP T: Modulation software fault.....	11
109 L1A DSP T: Voltage controller at limit.....	12
112 L3C DSP T: Phase unbalance too large	13
113 L3A DSP T: Pulse block by DSP software	14
114 L3C DSP T: U/F Card defective	15
117 L3C DSP T: Crowbar fired by DSP T	16
119 L1C DSP T: Voltage transducer U34 not ok	17
120 L3C IO: Supervision bus clock	18
121 L3C IO: Supervision I/O clock	19
122 L3C IO: Incorrect FPGA version identifier	20
123 L3C IO: Incorrect FPGA application version identifier.....	21
124 L3C IO: Incorrect module version identifier	22
125 L3C/L1A IO: AD Converter faulty	23
126 L3C IO: GW Comparator faulty during start-up test	24
127 L3C IO: Test voltage not equal zero	25
128 L1A IO: SIBAS® Temperature out of range.....	26
129 L3C IO: Incorrect EBIN card identifier	27
130 L3C IO: Front plug monitoring	28
131 L3C IO: CPU Watchdog triggered	29
132 L3C IO: DSP A Watchdog triggered	30
133 L3C IO: DSP B Watchdog triggered	31
135 L3C IO: CPU Reset triggered.....	33
138 L1B IO: CPU Traco triggered	34
146 L3A IO: Pulse block from I/O.....	35
150 L3A IO: DC link voltage A level 1 exceeded.....	36
151 L3A IO: DC link voltage B level 1 exceeded.....	37
152 L3C IO: Trolley line overvoltage	38

154 L3B IO: Trolley line overcurrent.....	39
155 L2B IO: Trolley line current transducer faulty	40
156 L2B IO: Trolley line voltage transducer faulty.....	41
160 L3A IO: Throttle pedal out of range.....	42
161 L3A IO: Retard pedal out of range	43
162 L1A IO: Cruise speed control module out of range	44
180 L3C UWSA1: Supervision bus clock	45
181 L3C UWSA1: Supervision module clock	46
182 L3C UWSA1: Incorrect FPGA version identifier.....	47
183 L3C UWSA1: Incorrect FPGA project identifier.....	48
184 L3C UWSA1: GW Comparator faulty during start-up test	49
185 L1A UWSA1: ADC Faulty.....	50
186 L3C UWSA1: Configuration failure.....	51
187 L1A UWSA1: Hardware failure counter / processor	52
188 L3A UWSA1: Peak current protection active	53
189 L3D UWSA1: Peak current protection pulse start	54
190 L3D UWSA1: Number of peak current protection >limit.....	55
191 L3D UWSA1: Supervision switching frequency	56
193 L1A UWSA1: Overvoltage level 1 exceeded.....	57
196 L3D UWSA1: Limit 5 overcurrent phase U.....	58
197 L3D UWSA1: Limit 5 overcurrent phase V	58
198 L3D UWSA1: Limit 5 overcurrent phase W	58
199 L3D UWSA1: Limit 5 overvoltage DC bus.....	59
Drive system fault code table, Part 4	CEN40044-00
201 L3D UWSA1: Checkback INVA1 L1U faulty.....	4
202 L3D UWSA1: Checkback INVA1 L1L faulty	4
203 L3D UWSA1: Checkback INVA1 L2U faulty.....	4
204 L3D UWSA1: Checkback INVA1 L2L faulty	4
205 L3D UWSA1: Checkback INVA1 L3U faulty.....	4
206 L3D UWSA1: Checkback INVA1 L3L faulty	4
207 L3D UWSA1: Checkback chopper A faulty	4
210 L3C UWSB1: Supervision bus clock	5
211 L3C UWSB1: Supervision module clock	6
212 L3C UWSB1: Incorrect FPGA version identifier.....	7
213 L3C UWSB1: Incorrect FPGA project identifier.....	8
214 L3C UWSB1: GW Comparator faulty during start-up test	9
215 L1A UWSB1: ADC Faulty.....	10
216 L3C UWSB1: Configuration failure.....	11
217 L1A UWSB1: Hardware failure counter / processor	12
218 L3A UWSB1: Peak current protection active	13
219 L3D UWSB1: Peak current protection pulse start	14
220 L3D UWSB1: Number of peak current protection >limit.....	15
221 L3D UWSB1: Supervision switching frequency	16
223 L1A UWSB1: Overvoltage level 1 exceeded.....	17
226 L3D UWSB1: Limit 5 overcurrent phase V	18
227 L3D UWSB1: Limit 5 overcurrent phase U.....	18

228 L3D UWSB1: Limit 5 overcurrent phase W	18
229 L3D UWSB1: Limit 5 overvoltage DC bus	19
231 L3D UWSB1: Checkback INVB1 L1U Faulty	20
232 L3D UWSB1: Checkback INVB1 L1L Faulty	20
233 L3D UWSB1: Checkback INVB1 L2U Faulty	20
234 L3D UWSB1: Checkback INVB1 L2L Faulty	20
235 L3D UWSB1: Checkback INVB1 L3U Faulty	20
236 L3D UWSB1: Checkback INVB1 L3L Faulty	20
237 L3D UWSB1: Checkback chopper B Faulty	20
240 L3C UWSA2: Supervision bus clock	21
241 L3C UWSA2: Supervision module clock	22
242 L3C UWSA2: Incorrect FPGA version identifier	23
243 L3C UWSA2: Incorrect FPGA project identifier	24
244 L3C UWSA2: GW Comparator faulty during start-up test	25
245 L1A UWSA2: ADC Faulty	26
246 L3C UWSA2: Configuration failure	27
247 L1A UWSA2: Hardware failure counter / processor	28
248 L3A UWSA2: Peak current protection active	29
249 L3D UWSA2: Peak current protection pulse start	30
250 L3D UWSA2: Number of peak current protection >limit	31
251 L3D UWSA2: Supervision switching frequency	32
253 L1A UWSA2: Overvoltage level 1 exceeded	33
256 L3D UWSA2: Limit 5 overcurrent phase U1	34
257 L3D UWSA2: Limit 5 overcurrent phase V1	34
258 L3D UWSA2: Limit 5 overcurrent phase W1	34
259 L3D UWSA2: Limit 5 overvoltage DC bus	35
261 L3D UWSA2: Checkback INVA2 L1U faulty	36
262 L3D UWSA2: Checkback INVA2 L1L faulty	36
263 L3D UWSA2: Checkback INVA2 L2U faulty	36
264 L3D UWSA2: Checkback INVA2 L2L faulty	36
265 L3D UWSA2: Checkback INVA2 L3U faulty	36
266 L3D UWSA2: Checkback INVA2 L3L faulty	36
267 L3D UWSA2: Checkback chopper C faulty	36
270 L3C UWSB2: Supervision bus clock	37
271 L3C UWSB2: Supervision module clock	38
272 L3C UWSB2: Incorrect FPGA version identifier	39
273 L3C UWSB2: Incorrect FPGA project identifier	40
274 L3C UWSB2: GW Comparator faulty during start-up test	41
275 L1A UWSB2: ADC Faulty	42
276 L3C UWSB2: Configuration failure	43
277 L1A UWSB2: Hardware failure counter / processor	44
278 L3A UWSB2: Peak current protection active	45
279 L3D UWSB2: Peak current protection pulse start	46
280 L3D UWSB2: Number of peak current protection >limit	47
281 L3D UWSB2: Supervision switching frequency	48
283 L1A UWSB2: Overvoltage level 1 exceeded	49

286 L3D UWSB2: Limit 5 overcurrent phase V1	50
287 L3D UWSB2: Limit 5 overcurrent phase U1	50
288 L3D UWSB2: Limit 5 overcurrent phase W1	50
289 L3D UWSB2: Limit 5 overvoltage DC bus	51
291 L3D UWSB2: Checkback INVB2 L1U Faulty	52
292 L3D UWSB2: Checkback INVB2 L1L Faulty	52
293 L3D UWSB2: Checkback INVB2 L2U Faulty	52
294 L3D UWSB2: Checkback INVB2 L2L Faulty	52
295 L3D UWSB2: Checkback INVB2 L3U Faulty	52
296 L3D UWSB2: Checkback INVB2 L3L Faulty	52
297 L3D UWSB2: Checkback chopper D Faulty	52
Drive system fault code table, Part 5	CEN40045-00
300 L3C UWSST: Supervision bus clock	4
301 L3C UWSST: Supervision module clock	5
302 L3C UWSST: Incorrect FPGA version identifier	6
303 L3C UWSST: Incorrect FPGA project identifier	7
304 L3C UWSST: GW Comparator faulty during start-up test	8
305 L1A UWSST: ADC Faulty	9
306 L3C UWSST: Configuration failure	10
307 L1A UWSST: Hardware failure counter / processor	11
308 L3A UWSST: Peak current protection active	12
310 L3D UWSST: Number of peak current protection >limit	13
311 L3D UWSST: Supervision switching frequency	14
314 L3C UWSST: Crowbar is fired without command	15
316 L3D UWSST: Limit 5 overcurrent phase U	16
317 L3D UWSST: Limit 5 overcurrent phase V	16
318 L3D UWSST: Limit 5 overcurrent phase W	16
319 L3D UWSST: Limit 5 overvoltage DC bus	17
321 L3D UWSST: Checkback INVST L1U Faulty	18
322 L3D UWSST: Checkback INVST L1L Faulty	18
323 L3D UWSST: Checkback INVST L2U Faulty	18
324 L3D UWSST: Checkback INVST L2L Faulty	18
325 L3D UWSST: Checkback INVST L3U Faulty	18
326 L3D UWSST: Checkback INVST L3L Faulty	18
327 L3C UWSST: Checkback crowbar faulty	19
330 L1A BUS: CAN Communication failure	20
331 L1A BUS: Serial link communication failure	21
332 L1A BUS: Truck is over loaded	22
333 L1B TR: Transient traco is triggered	23
334 L1B TR: Transient traco is full	24
340 L1A ETM: ADC Failure for ETM1	25
341 L1A ETM: ADC Failure for ETM2	26
342 L1A ETM: ADC Failure for ETM3	27
343 L1A ETM: ADC Failure for ETM4	28
344 L1A MEFA: ADC Failure	29
345 L3C HL: Gate unit power supply A defective	30

346 L3C HL: Gate unit power supply B defective.....	31
351 L1A DRZ: LIMP Mode A active	32
352 L1A DRZ: Limp mode B active	33
353 L1A DRZ: Low battery voltage	34
354 L1B BUS: Engine floor input increasing minimum engine speed	35
355 L1B DM: Data store switch pressed	36
356 L1B DM: Diagnosis memory configuration failure	37
357 L1B DM: Diagnosis memory occupation > 75%	38
358 L1B DM: Diagnosis memory full	39
359 L1B DM: Test event	40
360 L2A EXT: Main blower air flow supervision	41
361 L2A EXT: Minimum engine speed supervision	42
362 L1A EXT: Main blower pressure switch malfunction.....	43
363 L1A EXT: Shift lever supervision	44
364 L2A EXT: Engine derate protection active	45
365 L1A EXT: Truck external plug monitoring	46
366 L1A EXT: Grid dry mode active	47
367 L3A EXT: DC Power off mod request (rest switch on).....	48
368 L1A EXT: Steering encoder defective.....	49
369 L1A EXT: Doppler sensor defective.....	50
370 L1A EXT: Auto lube control defective	51
372 L1A EXT: Service brake pressed at high speed	52
373 L1A EXT: Service brake on above speed limit	53
374 L1A EXT: Anti-roll control malfunction	54
375 L3B BEF: CB301 Circuit breaker defective	55
376 L3B BEF: K303/K304 Contactor defective	56
382 L3B BEF: K103 Feedback defective	57
383 L3B BEF: K105 Feedback defective	58
384 L1A BEF: K107 Feedback defective	59
385 L1A BEF: K109 Feedback defective	60
386 L1A BEF: K111 Feedback defective	61
387 L1A BEF: Limp mode selector defective	62
388 L2B BEF: CB113 Tripped	63
390 L3D IUW: Output current supervision INV A	64
391 L3D IUW: Output current supervision INV B	65
392 L3B IUW: Precharge supervision 1	66
393 L3B IUW: Precharge supervision 2	67
394 L3A IUW: DC Link undervoltage	68
395 L2B IUW: Trolley line undervoltage	69
397 L3B IUW: Field regulator current setpoint supervision	70
398 L2B IUW: Field regulator output current supervision.....	71
399 L3B IUW: Alternator overcurrent protection	72
Drive system fault code table, Part 6	CEN40046-00
400 L2C IUW: Alternator overload warning.....	3
401 L2B IUW: Alternator overload protection.....	4
402 L3C IUW: Alternator AC current sensor faulty.....	5

403 L2A IUW: DC Link voltage out of range in propel.....	6
404 L3A IUW: DC Link voltage out of range retard.....	7
405 L3A IUW: DC Link voltage out of range for ST operation.....	8
406 L3B IUW: DC Link controller supervision.....	9
407 L2C IUW: Motor torque square T supervision.....	10
408 L2C IUW: Motor current square T supervision.....	11
409 L1A IUW: DC Link discharge time exceeded limit.....	12
410 L2B IUW: Ground fault at positive DC link detected.....	13
411 L2B IUW: Ground fault at negative DC link detected.....	14
412 L2B IUW: Ground fault at AC side detected.....	15
413 L2B IUW: Ground fault.....	16
414 L3C IUW: Chopper A current supervision.....	17
415 L3C IUW: Chopper B current supervision.....	18
416 L3C IUW: Chopper C current supervision.....	19
417 L3C IUW: Chopper D current supervision.....	20
418 L3D IUW: Output current supervision INV ST.....	21
419 L2A IUW: Vehicle overspeed supervision.....	22
419 L2A IUW: Vehicle overspeed supervision.....	22
420 L1A IUW: DC Link voltage sensor A faulty.....	23
421 L1A IUW: DC Link voltage sensor B faulty.....	24
422 L3C IUW: ST Inverter failure.....	25
423 L3B IUW: DC Grid fan circuit failure.....	26
424 L2B IUW: Cooling water pressure out of range.....	27
425 L2B IUW: Cooling water level out of range.....	28
426 L1A IUW: Water pump motor overtemperature.....	29
427 L1A IUW: Retard limit supervision.....	30
428 L1A DRZ: Front wheel A speed sensor supervision.....	31
429 L1A DRZ: Front wheel B speed sensor supervision.....	32
430 L3D DRZ: Motor A speed sensor supervision.....	33
431 L3D DRZ: Motor B speed sensor supervision.....	34
432 L3C DRZ: Alternator speed sensor supervision.....	35
433 L2A DRZ: Motor A maximum speed exceeded.....	36
434 L2A DRZ: Motor B maximum speed exceeded.....	37
435 L1A DRZ: Alternator maximum speed exceeded.....	38
436 L3A DRZ: Motor A/B rotation inconsistency.....	39
437 L3A DRZ: Motor A torque supervision.....	40
438 L3A DRZ: Motor B torque supervision.....	41
439 L3C SIV: Start-up sequence can't pass due to GUPS failure.....	42
440 L3C SIV: Start-up sequence can't pass due to K103/K105 failure.....	43
441 L3C SIV: Start-up sequence can't pass due to IGBT failure.....	44
442 L3C SIV: Start-up sequence can't pass due to CB301 OR K303 failure.....	45
443 L3C SIV: Start-up sequence can't pass due to crowbar failure.....	46
447 L1A SIV: Direct trolley engage sequence supervision.....	47
448 L1A SIV: Direct trolley disengage sequence supervision.....	48
Drive system fault code table, Part 7.....	CEN40047-00
450 L1A TMP: SIBAS® Temperature < low limit.....	4

451 L1A TMP: SIBAS® Temperature > warning limit.....	5
452 L3B TMP: SIBAS® Temperature > shutdown limit.....	6
453 L3A TMP: IGBT Module A101 temperature < low limit.....	7
454 L2C TMP: IGBT Module A101 temperature > APRS limit.....	8
455 L3A TMP: IGBT Module A101 temperature > shutdown limit.....	9
456 L3A TMP: IGBT Module A102 temperature < low limit.....	10
457 L2C TMP: IGBT Module A102 temperature > APRS limit.....	11
458 L3A TMP: IGBT Module A102 temperature > shutdown limit.....	12
459 L3A TMP: IGBT ModulE A201 temperature < low limit.....	13
460 L2C TMP: IGBT Module A201 temperature > APRS limit.....	14
461 L3A TMP: IGBT Module A201 temperature > shutdown limit.....	15
462 L3A TMP: IGBT Module A202 temperature < low limit.....	16
463 L2C TMP: IGBT Module A202 temperature > APRS limit.....	17
464 L3A TMP: IGBT Module A202 temperature > shutdown limit.....	18
465 L3A TMP: ST Module temperature < low limit.....	19
466 L2C TMP: ST Module temperature > warning limit.....	20
467 L3A TMP: ST Module temperature > shutdown limit.....	21
468 L2B TMP: SR Module temperature < low limit.....	22
469 L2C TMP: SR Module temperature > warning limit.....	23
470 L2B TMP: SR Module temperature > shutdown limit.....	24
471 L2C TMP: Wheel motor A stator temperature > APRS limit.....	25
472 L3A TMP: Wheel motor A stator temperature > shutdown limit.....	26
473 L2C TMP: Wheel motor B Stator temperature > APRS limit.....	27
474 L3A TMP: Wheel motor B stator temperature shutdown limit.....	28
475 L2C TMP: Wheel motor A, DE bearing temperature > warning limit.....	29
476 L3A TMP: Wheel motor A, DE bearing temperature > shutdown limit.....	30
477 L2C TMP: Wheel motor A NDE bearing temperature > warning limit.....	31
478 L3A TMP: Wheel motor A NDE bearing temperature > shutdown limit.....	32
479 L2C TMP: Wheel motor B DE bearing temperature > warning limit.....	33
480 L3A TMP: Wheel motor B DE bearing temperature > shutdown limit.....	34
481 L2C TMP: Wheel motor B NDE bearing temperature > warning limit.....	35
482 L3A TMP: Wheel motor B NDE bearing temperature > shutdown limit.....	36
483 L2C TMP: Alternator stator temperature > APRS limit.....	37
484 L2B TMP: Alternator stator temperature > shutdown limit.....	38
485 L2C TMP: Alternator bearing temperature > warning limit.....	39
486 L2B TMP: Alternator bearing temperature > shutdown limit.....	40
487 L1A TMP: Cooling water inlet temperature < low limit.....	41
488 L2C TMP: Cooling water inlet temperature > warning limit.....	42
489 L2B TMP: Cooling water inlet temperature > shutdown limit.....	43
490 L1A TMP: Cooling water outlet temperature < low limit.....	44
491 L2C TMP: Cooling water outlet temperature > warning limit.....	45
492 L2B TMP: Cooling water outlet temperature > shutdown limit.....	46
493 L1A TMP: Cooling water delta T too high.....	47
495 L2C TMP: Inverter cab temperature > warning limit.....	48
496 L2B TMP: Inverter cab temperature > shutdown limit.....	49
497 L2C TMP: Inside cooler outlet temperature > warning limit.....	50

498 L2B TMP: Inside cooler outlet temperature > shutdown limit	51
499 L1A TMP: Main blower motor stator temperature > warning limit	52
500 L1A TMP: Main blower motor stator temperature > shutdown limit	53
505 L1A TMP: Wheel motor A rotor temperature > limit	54
506 L1A TMP: Wheel motor B rotor temperature > limit	55
508 L1A ETM1: Alternator PT100 open circuit.....	56
510 L1A ETM1: Grid blower statoR PT100 open circuit	56
511 L1A ETM1: Inverter CAB PT100 open circuit.....	56
512 L1A ETM1: Ambient PT100 open circuit.....	56
513 L1A ETM1: Heater exchanger PT100 open circuit.....	56
514 L1A ETM1: Cooling water inlet PT100 open circuit.....	56
515 L1A ETM1: Cooling water outlet PT100 open circuit	56
516 L1A ETM2: Motor A NDE Bearing PT100 open circuit.....	57
517 L1A ETM2: Motor A DE Bearing PT100 open circuit	57
518 L1A ETM2: Motor B NDE Bearing PT100 open circuit.....	57
519 L1A ETM2: Motor B DE Bearing PT100 open circuit	57
520 L1A ETM2: Alternator Bearing PT100 open circuit	57
521 L1A ETM2: Motor A stator PT100 open circuit.....	57
522 L1A ETM2: Motor B stator PT100 open circuit.....	57
523 L1A ETM2: Motor inlet air PT100 open circuit	57
524 L1A ETM3: IGBT Module A101 PT100 open circuit.....	58
525 L1A ETM3: IGBT Module A102 PT100 open circuit.....	58
526 L1A ETM3: IGBT Module A103 PT100 open circuit.....	58
527 L1A ETM3: IGBT Module A104 PT100 open circuit.....	58
528 L1A ETM3: IGBT Module A201 PT100 open circuit.....	58
529 L1A ETM3: IGBT Module A202 PT100 open circuit.....	58
530 L1A ETM3: IGBT Module A203 PT100 open circuit.....	58
531 L1A ETM3: IGBT Module A204 PT100 open circuit.....	58
532 L1A ETM3: ST Module PT100 open circuit.....	59
533 L1A ETM3: SR Module PT100 open circuit	59
534 L1A ETM3: Channel 7 PT100 open circuit.....	59
535 L1A ETM3: Channel 8 PT100 open circuit.....	59
536 L1A ETM4: Channel 1 PT100 open circuit.....	60
537 L1A ETM4: Channel 2 PT100 open circuit.....	60
538 L1A ETM4: Channel 3 PT100 open circuit.....	60
539 L1A ETM4: Channel 4 PT100 open circuit.....	60
540 L1A ETM4: Channel 5 PT100 open circuit.....	60
541 L1A ETM4: Channel 6 PT100 open circuit.....	60
542 L1A ETM4: Channel 7 PT100 open circuit.....	60
543 L1A ETM4: Channel 8 PT100 open circuit.....	60
544 L1A ETM4: ST Module PT100 open circuit.....	60
544 L1A ETM4: SR Module PT100 open circuit	60
550 L3A TMP: Inverter A module temperature < low limit.....	61
551 L2C TMP: Inverter A module temperature > APRS limit.....	62
552 L3A TMP: Inverter A module temperature > shutdown limit.....	63
552 L3A TMP: Inverter A module temperature > shutdown limit.....	63

553 L3A TMP: Inverter B module temperature < low limit.....	64
554 L2C TMP: Inverter B module temperature > APRS limit	65
555 L3A TMP: Inverter B module temperature > shutdown limit.....	66
556 L3A TMP: Chopper A module temperature < low limit	67
557 L2C TMP: Chopper A module temperature > APRS limit	68
558 L3A TMP: Chopper A module temperature > shutdown limit	69
559 L3A TMP: Chopper B module temperature < low limit	70
560 L2C TMP: Chopper B module temperature > APRS limit	71
561 L3A TMP: Chopper B module temperature > shutdown limit	72
Cab air conditioning	CEN40008-01
Preliminary checks	3
Diagnosis of gauge readings and system performance	3
Troubleshooting by manifold gauge set readings.....	4
Reserve engine oil system	CEN40010-00
Pumping unit LED signals	3
50 Disassembly and assembly	
General information	CEN50001-02
Special tool list.....	3
Wheels, spindles and rear axles	CEN50022-01
General information for tires and rims	3
Removal and installation of front wheel.....	4
Removal and installation of rear wheel	6
Removal and installation of tires	8
Removal and installation of front wheel hub and spindle	11
Disassembly and assembly of front wheel hub and spindle.....	15
Removal and installation of wheel motor.....	20
Removal and installation of electric motor.....	26
Disassembly and assembly of wheel motor transmission	27
Disassembly and assembly of low speed carrier	45
Disassembly and assembly of high speed carrier	50
Removal and installation of rear axle	54
Removal and installation of anti-sway bar.....	56
Removal and installation of pivot pin.....	58
Pivot eye and bearing service	59
Brake system	CEN50030-00
Removal and installation of brake valve.....	3
Disassembly and assembly of brake valve	4
Removal and installation of dual relay valve	11
Disassembly and assembly of dual relay valve.....	13
Removal and installation of brake manifold.....	15
Disassembly and assembly of brake manifold	16
Removal and installation of brake accumulator.....	17
Disassembly and assembly of brake accumulator	18
Disassembly and assembly of wheel brake	21
Removal and installation of rear brake assembly.....	33

Removal and installation of parking brake	35
Disassembly and assembly of parking brake	37
Steering system	CEN50004-03
Removal and installation of steering control unit.....	3
Disassembly and assembly of steering control unit	5
Removal and installation of steering column.....	10
Removal and installation of steering wheel.....	11
Removal and installation of bleed down manifold	13
Removal and installation of flow amplifier	15
Disassembly and assembly of flow amplifier.....	15
Removal and installation of steering cylinders and tie rod	18
Disassembly and assembly of steering cylinders.....	20
Removal and installation of steering/brake pump	21
Disassembly and assembly of steering/brake pump	24
Removal and installation of steering accumulators	33
Disassembly and assembly of steering accumulators	34
Suspensions	CEN50005-05
Removal and installation of front suspension.....	3
Minor front suspension repairs (lower bearing and seals)	10
Major front suspension rebuild	11
Removal and installation of rear suspension	13
Disassembly and assembly of rear suspension	16
Hoist circuit	CEN50006-03
Removal and installation of hoist pump	3
Disassembly and assembly of hoist pump	5
Removal and installation of hoist valve	13
Disassembly and assembly of hoist valve.....	14
Overcenter valve manifold service	21
Removal and installation of hoist pilot valve	22
Disassembly and assembly of hoist pilot valve	23
Removal and installation of hoist cylinders	25
Disassembly and assembly of hoist cylinders.....	27
Operator cab	CEN50007-02
Removal and installation of operator cab.....	3
Removal and installation of cab door	6
Disassembly and assembly of cab door.....	6
Adjustment of cab door	13
Removal and installation of side window glass	15
Removal and installation of windshield and rear window glass	17
Removal and installation of windshield wiper motor	18
Removal and installation of windshield wiper arm	19
Removal and installation of windshield wiper linkage	20
Removal and installation of operator seat.....	21
Removal and installation of passenger seat.....	22
Removal and installation of seat belt	23
Body structures	CEN50024-01

Removal and installation of dump body	3
Removal and installation of body pads.....	5
Removal and installation of diagonal ladder/hood and grille assembly	8
Removal and installation of right deck.....	8
Removal and installation of left deck.....	12
Removal and installation of fuel tank.....	14
Removal and installation of fuel gauge sender	16
Disassembly and assembly of fuel tank breather.....	17
Removal and installation of hydraulic tank	18
Cab air conditioning	CEN50009-02
Replacement of air conditioning system components	3
Disassembly and assembly of compressor clutch.....	5
Power module	CEN50021-00
Removal and installation of power module.....	3
Removal and installation of alternator	11
Removal and installation of engine	16
Removal and installation of radiator	17
Repairing the radiator.....	20
Auto lubrication system	CEN50025-01
Lubrication system priming.....	2
Disassembly and assembly of lubrication pump	2
Three phase wheel motor	CEN50026-01
General safety information	2
Handling the motor	3
Motor description.....	6
Maintenance.....	7
Disassembling the motor.....	11
Maintenance work	21
Assembling the motor.....	24
Repairing the motor.....	50
Recommended consumables.....	51
Special tools	54
Main blower	CEN50031-00
Removing the main blower motor.....	2
Disassembling the main blower motor	8
Assembling the main blower motor	10
Installing the main blower motor.....	13
Retarding grid	CEN50032-00
Removing the grid blower motor	2
Disassembling the grid blower motor	4
Assembling the grid blower motor	6
Installing the grid blower motor	8
Removing a grid element	11
Control cabinet	CEN50033-00
Draining and filling the IGBT coolant system	3
Removing and installing the IGBT coolant pump assembly	7

90 Digrams and drawings	
Hydraulic circuit diagrams	CEN90001-00
Steering, hoist and brake cooling hydraulic circuit diagram	EM7616
Brake hydraulic circuit diagram	EM7623
Electrical circuit diagrams	CEN90006-00
Electrical circuit diagram - index & symbols	XS6901
Electrical circuit diagram - circuit locator	XS6902
Electrical circuit diagram - component locator	XS6903
Electrical circuit diagram - component locator	XS6904
Electrical circuit diagram - battery box	XS6905
Electrical circuit diagram - 24V power distribution & circuit protection	XS6906
Electrical circuit diagram - key switch and shutdown delay	XS6907
Electrical circuit diagram - engine start circuits	XS6908
Electrical circuit diagram - engine control wiring	XS6909
Electrical circuit diagram - engine control circuits	XS6910
Electrical circuit diagram - oil reserve wiring	XS6911
Electrical circuit diagram - wheel motor sensor wiring	XS6912
Electrical circuit diagram - alternator and front speed sensors	XS6913
Electrical circuit diagram - brake lock circuits	XS6914
Electrical circuit diagram - warning indicators	XS6915
Electrical circuit diagram - cab radio wiring	XS6916
Electrical circuit diagram - right hand lower dash wiring	XS6917
Electrical circuit diagram - auto lube circuits	XS6918
Electrical circuit diagram - electronic dash display	XS6919
Electrical circuit diagram - heater control wiring	XS6920
Electrical circuit diagram - work lights and horn	XS6921
Electrical circuit diagram - retard and backup lights	XS6922
Electrical circuit diagram - operator drive system controls	XS6923
Electrical circuit diagram - window and wiper controls	XS6924
Electrical circuit diagram - turn signal and clearance lights	XS6925
Electrical circuit diagram - head light and fog light wiring	XS6926
Electrical circuit diagram - operator cab instrument lights	XS6927
Electrical circuit diagram - diagnostic ports and dispatch wiring	XS6928
Electrical circuit diagram - interface module wiring	XS6929
Electrical circuit diagram - interface module wiring	XS6930
Electrical circuit diagram - interface module wiring	XS6931
Electrical circuit diagram - interface module wiring	XS6932
Electrical circuit diagram - interface module sensors	XS6933
Electrical circuit diagram - VHMS / Orbcom module wiring	XS6934
Electrical circuit diagram - can network wiring	XS6935
Electrical circuit diagram - payload meter III circuits	XS6936
Connectors table and arrangement drawing	HE490
Electrical circuit diagrams - drive system	CEN90007-00
Electrical circuit diagram - AC drive system	HE489
Electrical circuit diagram - index & symbols	Sheet 1

Electrical circuit diagram - legend	Sheet 2
Electrical circuit diagram - legend	Sheet 3
Electrical circuit diagram - system overview.....	Sheet 4
Electrical circuit diagram - rectifier bridge and DC link.....	Sheet 5
Electrical circuit diagram - DC link, three phase ST	Sheet 6
Electrical circuit diagram - PWM inverter 1, chopper 1, 2, motor 1	Sheet 7
Electrical circuit diagram - PWM inverter 2, chopper 3, 4, motor 2	Sheet 8
Electrical circuit diagram - auxiliary power & control, main blower & grid box motor	Sheet 9
Electrical circuit diagram - auxiliary power & control, water pump, inner radiator & inner circulating blower fan motors.....	Sheet 10
Electrical circuit diagram - alternator field regulator	Sheet 11
Electrical circuit diagram - control power distribution field regulator	Sheet 12
Electrical circuit diagram - control power distribution 24VDC.....	Sheet 13
Electrical circuit diagram - gate unit power supply 24VDC.....	Sheet 14
Electrical circuit diagram - TCU 24VDDC power.....	Sheet 15
Electrical circuit diagram - diagnostics box overview	Sheet 16
Electrical circuit diagram - diagnostics panel	Sheet 17
Electrical circuit diagram - A100 SIBAS® 32 circuits	Sheet 18
Electrical circuit diagram - A100 SIBAS® 32 circuits, C003 output measuring amplifier.....	Sheet 19
Electrical circuit diagram - A100 SIBAS® 32 circuits, C011 output measuring amplifier.....	Sheet 20
Electrical circuit diagram - A100 SIBAS® 32 circuits, C019 binary output 36V.....	Sheet 21
Electrical circuit diagram - A100 SIBAS® 32 circuits, C027 binary output 36V.....	Sheet 22
Electrical circuit diagram - A100 SIBAS® 32 circuits, C035 binary output 36V.....	Sheet 23
Electrical circuit diagram - A100 SIBAS® 32 circuits, G011 central processor (ZR)	Sheet 24
Electrical circuit diagram - A100 SIBAS® 32 circuits, G095 multifunction I/O.....	Sheet 25
Electrical circuit diagram - A100 SIBAS® 32 circuits, G103 binary 24V input.....	Sheet 26
Electrical circuit diagram - A100 SIBAS® 32 circuits, G111 binary 24V input	Sheet 27
Electrical circuit diagram - A100 SIBAS® 32 circuits, G119 binary 24V input.....	Sheet 28
Electrical circuit diagram - A100 SIBAS® 32 circuits, G127 binary 24V input.....	Sheet 29
Electrical circuit diagram - A100 SIBAS® 32 circuits, G135 binary 24V input.....	Sheet 30
Electrical circuit diagram - A100 SIBAS® 32 circuits, G143 input temperature sensor PT100	Sheet 31
Electrical circuit diagram - A100 SIBAS® 32 circuits, G151 input temperature sensor PT100	Sheet 32
Electrical circuit diagram - A100 SIBAS® 32 circuits, G163 start up 24V	Sheet 33
Electrical circuit diagram - A100 SIBAS® 32 circuits, L055 U/F converter.....	Sheet 34
Electrical circuit diagram - A100 SIBAS® 32 circuits, L063 U/F converter.....	Sheet 35
Electrical circuit diagram - A100 SIBAS® 32 circuits, L071 U/F converter.....	Sheet 36
Electrical circuit diagram - A100 SIBAS® 32 circuits, L079 analog input/output card..	Sheet 37
Electrical circuit diagram - A100 SIBAS® 32 circuits, L087 analog input/output card..	Sheet 38
Electrical circuit diagram - A100 SIBAS® 32 circuits, L095 analog input/output card..	Sheet 39
Electrical circuit diagram - A100 SIBAS® 32 circuits, L103 analog input/output card..	Sheet 40
Electrical circuit diagram - A100 SIBAS® 32 circuits, L115 output pulse amplifier card.....	Sheet 41