

Fault Code List

LIEBHERR EXCAVATOR R 984 C

COD E	ELEMENT	SENSOR	MESSAGE
E001	ENGINE OIL PRESSURE		Accident Ground
E002			Accident Plus
E003			Cable Defect
E004	COOLANT LEVEL	B3	Accident Ground
E005			Accident Plus
E006			Wire Break
E007	ENGINE COOLANT TEMPERATURE	B2	Accident Ground
E008			Accident Plus
E009			Wire Break
E010	HYDRAULIC OIL LEVEL	B14	Accident Ground
E011			Accident Plus
E012			Wire Break
E013	HYDRAULIC OIL TEMPERATURE	B67	Accident Ground
E014			Accident Plus
E015			Wire Break
E016	GEAR OIL TEMPERATURE		Accident Ground
E017			Accident Plus
E018			Wire Break
E022	ENGINE SPEED	B12	Accident Ground
E023			Accident Plus
E024			Wire Break
E027	OUTPUT PUMP PPOWER CONTROL	Y4	Defect
E030	OUTPUT ENGINE RPM CONTROL	EV4	Defect
E033	OUTPUT COOLER DAN CONTROL	Y347	Defect
E036	OUTPUT PUMP 1 FLOW CONTROL	EV1	Defect
E039	OUTPUT PUMP 2 FLOW CONTROL	EV2	Defect
E042	OUTPUT RESERVE	EV3	Defect
E045	OUTPUT PRESSURE OPERATE	EV4	Defect
E046	SERVO MOTOR/ENGINE RPM		Servo Motor Fault
E068	FAN RPM		Fan RPM Defective
E302	CODING PLUG	X42	Missed in Keyboard S2
E303	CAN-CAN1		no message b etween S2%BST
E305	CAN2		no message between S2%ESPO1

COD E	ELEMENT	SENSOR	MESSAGE
E308	CAN2		No message between S2/disply
E309	DISPLAY		No sfwr comptble btwn kyb/dip
E319	CODING BST	X44	Not comptble with coding S2
E321	CODING PLUG	X42	Unknown exca type from BBT
E322	CODING BST	X44	Unknown hardware coding BST
E411	HAND SIGNAL SENSOR BOOM 1		Accidental ground
E413			Accidental plus or cable defect
E414	HAND SIGNAL SENSOR BOOM 2		Accidental ground
E416			Accidental plus or cable defect
E417	HAND SIGNAL SENSOR BUCKET 1		Accidental ground
E419			Accidental plus or cable defect
E420	HAND SIGNAL SENSOR BUCKET 2		Accidental ground
E422			Accidental plus or cable defect
E423	HAND SIGNAL SENSOR STICK 1		Accidental ground
E425			Accidental plus or cable defect
E426	HAND SIGNAL SENSOR STICK 2		Accidental ground
E428			Accidental plus or cable defect
E429	HAND SIGNAL SENSOR SWING 1		Accidental ground
E431			Accidental plus or cable defect
E432	HAND SIGNAL SENSOR SWING 2		Accidental ground
E434			Accidental plus or cable defect
E437	TRAVEL SIGNAL 1		Cable defect
E440	TRAVEL SIGNAL 2		Cable defect
E442	JOYSTICK LEFT		Accident plus
E443			Accident ground or cable defect
E445	JOYSTICK RIGHT		Accident plus
E446			Accident ground or cable defect
E454	ROTATION GEAR SPEED		Accident plus
E455			Accident ground or cable defect
E456	FUEL TANK SENSOR		Accidental ground
E458			Accidental plus or cable defect
E501	ENGINE OIL PRESSURE		Pressure is too low
E502	COOLANT LEVEL		Level is too low
E503	ENGINE COOLANT OVERHEATING		Temperature is too high
E504	HYDRAULIC OIL LEVEL		Level is too low
E505	HYDRAULIC OIL		Temperature is too high
E506	SLPITTER BOX OIL		Temperature is too high
E511	ELECTRICAL SYSTEM		Over voltage
E601	OUTPUT STAGE ESP 01		Connection default

LIEBHERR EXCAVATOR R 9350

CODE	ELEMENT	SENSOR	MESSAGE	STEP
E004	COOLANT LEVEL	B3	Accidental ground	42
E005			Accidental plus	
E006			Wire break	
E007	ENGINE COOLANT TEMPERATURE	B2	Accidental ground	42
E008			Accidental plus	
E009			Wire break	
E010	HYDRAULIC OIL LEVEL	B14	Accidental ground	42
E011			Accidental plus	
E012			Wire break	
E013	HYDRAULIC OIL TEMPERATURE	B67	Accidental ground	42
E014			Accidental plus	
E015			Wire break	
E022	ENGINE SPEED	B12	Accidental ground	44
E023			Accidental plus	
E024			Wire break	
E027	OUTPUT PUMP POWER CONTROL	Y4	Cable defect	44
E030	OUTPUT OIL FAN CONTROL	Y10.2	Cable defect	44
E033	OUTPUT WATER FAN CONTROL	Y10.1	Cable defect	44
E036	OUTPUT PUMP 1 FLOW CONTROL	Y3.1	Cable defect	44
E039	OUTPUT PUMP 2 FLOW CONTROL	Y3.2	Cable defect	44
E042	OUTPUT PUMP ¼ FLOW CONTROL	Y3.3	Cable defect	44
E302	CODING PLUG	X42	Missed in keyboard S2	34
E303	CAN-CAN1		No between S2 & BST	33
E305	CAN2		No between S2 & ESP01	33
E308	CAN2		No between S2 & display	34
E311	E1036		No from E1036 [translator]	10
E312	CAN1		No between S2 & E1036	10/33
E313	CAN1		No between S2 & A1020	33
E319	CODING BST	X44	Not compatible with coding S2	44
E320	CAN CUMMINS	J1934	No between E1036 & Quantum	10
E321	CODING PLUG	X42	Unknown excavator type from BBT	34
E322	CODING BST	X44	Unknown hardware coding from BST	44
E411	SWING CONTROL	A1020	Zero point not already started	65
E413		X96/3	Wire break ; current >21mA or <3mA	
E414	STICK CONTROL	A1020	Zero point not already started	65
E416		X96/4	Wire break ; current >21mA or <3mA	
E417	BUCKET CONTROL	A1020	Zero point not already started	61
E419		X98/3	Wire break ; current >21mA or <3mA	
E420	BOOM CONTROL	A1020	Zero point not already started	

E422		X98/4	Wire break ; current >21mA or <3mA	61
E423	TRAVEL LEFT CONTROL	A1020	Zero point not already started	69
E425		X100/3	Wire break ; current >21mA or <3mA	
E426	TRAVEL RIGHT CONTROL	A1020	Zero point not already started	68
E428		X101/3	Wire break ; current >21mA or <3mA	
E429	CONTROL TRAP OPEN	A1020	Zero point not already started	70
E431		X102/3	Wire break ; current >21mA or <3mA	
E432	CONTROL TRAP CLOSE	A1020	Zero point not already started	70
E434		X102/4	Wire break ; current >21mA or <3mA	
E454	SWING SPEED	B53	Accidental plus	42
E455			Wire break	
E455			Accidental ground	
E456	FUEL LEVEL TRANSMITTER	B1	Accidental ground	42
E458			Wire break	
E501	ENGINE OIL PRESSURE ALARM	Cummins	Pressure is too low	25
E502	COOLANT LEVEL ALARM	B2/BST	Level is too low	
E503	COOLANT REMPERATURE ALARM	Cummins	Temperature is too high (98°C)	25
E504	HYDRAULIC OIL LEVEL ALARM	B14/BST	Level is too low	
E505	HYDRAULIC TEMPERATURE ALARM	B67/BST	Temperature is too high (98°C)	
E506	SPLITTERBOX TEMPERATURE ALARM	B15	high (85°C) or (92-96°C)	28
E511	OVER VOLTAGE		Voltage is above 30.6V	
E540	COOLANT PRESSURE	Cummins	Pressure is too low	
E562	LOW OIL LEVEL SPLITTREBOX ALARM	B66	Level is too low	
E564	HIGH OIL LEVEL SPLITTERBOX ALARM	B66	Level is too high	
E566	PUMP 1CLOGGED	B63.1	Particule detected	
E567	PUMP 2 CLOGGED	B63.2	Particule detected	
E568	PUMP 3 CLOGGED	B63.3	Particule detected	
E569	PUMP 4 CLOGGED	B63.4	Particule detected	
E572	SWING PUMP 1 CLOGGED	B63.7/1	Particule detected	
E573	SWING PUMP 2 CLOGGED	B63.7/2	Particule detected	
E578	PUMP 1 OVERHEAT	B64.1	Temperature is over 92°C	
E579	PUMP 2 OVERHEAT	B64.2	Temperature is over 92°C	
E580	PUMP 3 OVRHEAT	B64.3	Temperature is over 92°C	
E581	PUMP 4 OVERHEAT	B64.4	Temperature is over 92°C	
E584	SWING PUMP 1 OVERHEAT	B64.7/1	Temperature is over 92°C	
E585	SWING PUMP 2 OVERHEAT	B64.7/2	Temperature is over 92°C	
E590	HYDRAULIC TANK PRESSURE LOW	B38	Temperature is over 92°C	
E591	SPLITTERBOX OIL PRESSURE LOW	B72	Temperature is over 92°C	
E592	CENTINEL OIL LEVEL ALARM	Cummins	Pressure is under 0,15 bar	
E593	FUEL TEMPERATURE ALARM	Cummins	Pressure is under 0,2 bar	
E594	FUEL PRESSURE ALARM	Cummins	Temperature is above 104°C	
E595	BLOWBY PRESSURE ALARM	Cummins		
E596	ENGINE OIL LEVEL	Cummins		
E597	MANIFOLD AIR TEMPERATURE ALARM	Cummins		

E598	OIL CHANGE REQUIRED	Cummins	
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LIEBHERR EXCAVATOR R9250

CODE	ELEMENT	SENSOR	MESSAGE	STEP
E004	COOLANT LEVEL	B3	Accidental ground	
E005			Accidental plus	
E006			Wire break	
E007	ENGINE COOLANT TEMPERATURE	B2	Accidental ground	
E008			Accidental plus	
E009			Wire break	
E010	HYDRAULIC OIL LEVEL	B14	Accidental ground	
E011			Accidental plus	
E012			Wire break	
E013	HYDRAULIC OIL TEMPERATURE	B67	Accidental ground	
E014			Accidental plus	
E015			Wire break	
E022	ENGINE SPEED	B12.2	Accidental ground	
E023			Accidental plus	
E024			Wire break	
E027	OUTPUT LR 1	Y4	Cable defect	
E030	OUTPUT VENTILLATOR OIL	Y10.2	Cable defect	
E033	OUTPUT VENTILLATOR WATER	Y10.1	Cable defect	
E036	OUTPUT EL1	Y3.1	Ccable defect	
E039	OUTPUT EL 2	Y3.2	Cable defect	
E042	OUTPUT EL 3	Y3.3	Cable defect	
E302	CODING PLUG		Misssed in keyboard S2	
E303	CAN 1-BST 1		No between S2 & BST 1	
E305	CAN 2-ESP 01		No between S2 & ESP 01	
E308	CAN 2-H 1		No between S2 & H1	
E311	CAN 1		No between E 1036	
E312	CAN 1		No between S2 & E 1036	
E313	CAN 1		No between S2 & A 1020	
E319			C BST not comp with C S2	
E320	CAN 1		No between E 1036 & J 1939	
E321			Unknown excavator type BST	
E322			Unknown hrdware coding BST	
E411	PLUG X 96-3		No connection on the position	
E413	PLUG X 96-3		Cable defect >21mA or <3mA	
E414	PLUG X 96-4		No connection on the position	
E418	PLUG X 96-4		Cable defect >21mA or <3mA	
E417	PLUG X 98-3		No connection on the position	
E419	PLUG X 98-3		Cable defect >21mA or <3mA	
E420	PLUG X 98-4		No connection on the position	
E422	PLUG X 98-4		Cable defect >21mA or <3mA	
E423	PLUG X 100-3		No connection on the position	
E426	PLUG X 100-3		Cable defect >21mA or <3mA	
E429	PLUG X 101-3		No connection on the position	

E429	PLUG X 101-3		Cable defect >21mA or <3mA	
E429	PLUG X 102-3		No connection on the position	
E431	PLUG X 102-3		Cable defect >21mA or <3mA	
E432	PLUG X 102-4		No connection on the position	
E434	PLUG X 102-4		Cable defect >21mA or <3mA	
E454	SWING SPEED	B53	Accidental ground	
E455			Wire break	
E455			Accidental ground	
E456	FUEL LEVEL TRANSMITTER	B1	Accidental ground	
E458			Wire break	
E501	OIL PRESSURE		Pressure is too low	
E502	COOLANT LEVEL		Level is too low	
E503	COOLANT TEMPERATURE		Temperature is over 98°C	
E504	HYDRAULIC LEVEL		Level is too low	
E505	HIDRAULIC OIL TEMPERATURE		Temperature is over 98°C	
E506	SPLITTERBOX OIL TEMPERATURE		Temperature is over 98°C	
E540	COOLANT PRESSURE		Pressure is too low	
E542	DAMPFUNG			
E544	TEEETH GREASE SYSTEM	B150		
E562	OIL LEVEL SPLITTERBOX		Level is too low	
E564	OIL LEVEL SPLITTERBOX		Level is too high	
E566	PUMP 1 CLOGGED		Particule detected	
E567	PUMP 2 CLOGGED		Particule detected	
E568	PUMP 3 CLOGGED		Particule detected	
E572	SWING PUMP 1 CLOGGED		Particule detected	
E573	SWING PUMP 2 CLOGGED		Particule detected	
E578	PUMP 1 ENGINE 1 OVERHEAT		Temperature is over 92°C	
E579	PUMP 2 ENGINE 1 OVERHEAT		Temperature is over 92°C	
E580	PUMP 3 ENGINE 1 OVERHEAT		Temperature is over 92°C	
E584	SWING PUMP 1 OVERHEAT		Temperature is over 92°C	
E585	SWING PUMP 2 OVERHEAT		Temperature is over 92°C	
E591	SPLITTERBOX OIL PRESSURE		Pressure is too low	
E592	CENTINEL OIL LEVEL		Level is too low	
E593	FUEL TEMPERATURE		Temperature is too high	
E594	FUEL PRESSURE		Pressure is too low	
E595	BLOWBY PRESSURE		Pressure is too low	
E596	ENGINE OIL LEVEL		Level is too low	
E597	MANIFOLD TEMPERATURE		Temperature is over 98°C	
E598	OIL CHANGE REQUIRED		Change engine oil	
E599	DAMPFUNG			
PST	SERVO PRESSURE		Pressure is too low 40 bar	