

DAIKIN**SERVICE MANUAL NEWS**

★Reliable technology ensures maximum customer satisfaction.★

C-03002

Case

Correction of Service Manual TR01-09, TR01-08 and TR02-14

Correction of Alarm code (E801 deleted / J901→J801)**Model****LXE10E-A and LXE10E-A14, 15**

Alarm codes of following manuals should be amended as per attached pages.

Service manual will be amended in next version.

TR. No.	MANUAL NAME	Applicable page
TR01-09	Service manual LXE10E-A (English)	5-8, 10-7, 10-9
TR01-08	Service manual LXE10E-A (Japanese)	5-8, 10-7, 10-9
TR02-04	Service manual LXE10E-A (Simple Chinese)	5-8, 10-7, 10-9
TR02-11	Service manual LXE10E-A (Traditional Chinese)	5-8, 10-7, 10-9
TR02-05	Service manual LXE10E-A (Spanish)	5-8, 10-7, 10-9
TR02-14	Service manual LXE10E-A14,15 (English)	3-58, 6-9

5.2.3 Alarm list during PTI (Pre-Trip Inspection)

The alarm during automatic PTI are concerned with PTI inspection items in addition to those during normal operation.

The alarms at automatic PTI are indicated in J ※※※., being separated from those during normal operation.

There are some alarms which are not displayed on the control panel, however, they can be checked referring to the PTI report.

Check NO. (LED display)	Check content	Alarm Indication (LED display)	Alarm content	S.PTI	F.PTI	Remarks
P00	Basic data	No indication	Basic-data vanishment	↑ ↓	↑ ↓	
P02	All sensor	Same as normal operation	Basic-data vanishment			
P04	Power supply	No indication	Basic-data vanishment			
P05	Starting	J051	Compressor malfunction			
P06	HPS	J061	Abnormal OFF value			
	”	J062	Not recover (Not reset)			
	”	J064	High pressure does not rise.			
	”	J065	High pressure does not drop.			
P08	Pump-down	J081	Long pump-down			
P10	Liquid solenoid valve	J101	Valve leakage			
P12	RS, SS accuracy	J121	Sensor deterioration			
P14	HPT, LPT accuracy	J141	Sensor deterioration			
P16	Evaporator fan motor	J161	Evaporator fan motor malfunction			
P20	Economizer solenoid valve	J201	Economizer solenoid valve malfunction			
P22	Discharge gas by-pass solenoid valve	J221	Discharge gas by-pass solenoid valve malfunction			
P24	Defrost solenoid valve	J241	Defrost solenoid valve malfunction			
P26	Operation	No indication	Judged with P28			
P28	Suction modulating valve	J281	Suction modulating valve does not activate			
P29	Electronic expansion valve	J291	Long pump-down			
P30	Injection solenoid valve	J301	Injection solenoid valve malfunction			
P32	Hot-gas solenoid valve	J321	Hot-gas solenoid valve malfunction			
P50	Pull-down cooling capacity	J501	Out of ambient temperature conditions		↓	
P50	0°C control	J502	Long pull-down time			
P60	0°C control	No indication				
P70	Defrosting	J701	Out of starting conditions			
		J702	Long defrosting time			
P80	Pull-down cooling capacity	No indication J801	Long pull-down time			
P90	-18°C control	J901 No indication	Long pull-down time			

Alarm code	Content	Possible cause
E407	Evaporator inlet sensor (EIS) malfunction	Line breakage
		Short circuit
		Wrong wiring
		CPU board malfunction
E409	Evaporator outlet sensor (EOS) malfunction	Line breakage
		Short circuit
		Wrong wiring
		CPU board malfunction
E411	Ambient sensor (AMBS) malfunction	Line breakage
		Short circuit
		Wrong wiring
		CPU board malfunction
E413	Low pressure transducer (LPT) malfunction	Line breakage
		Short circuit
		Wrong wiring
		CPU board malfunction
E415	High pressure transducer (HPT) malfunction	Line breakage
		Short circuit
		Wrong wiring
		CPU board malfunction
E417	Voltage sensor (PT1) malfunction	Sensor malfunction
		CPU board malfunction
E419	Voltage sensor (PT2) malfunction	Sensor malfunction
		CPU board malfunction
E421	Current sensor (CT1) malfunction	Sensor malfunction
		CPU board malfunction
E423	Current sensor (CT2) malfunction	Sensor malfunction
		CPU board malfunction
E425 E427 E429	Pulp temperature sensor (USDA1 to 3) malfunction	Wrong wiring in the USDA receptacle.
		Line breakage in the USDA receptacle.
		Short circuit in the USDA receptacle.
		Junction cable breakage
		Junction cable poor contact
		Wrong wiring in the control box
		Short circuit in the control box
		Pulp temperature sensor malfunction
		CPU board malfunction
E431	Humidity sensor (HuS) malfunction	Lead wire breakage
		Wrong wiring
		Humidity sensor malfunction
		CPU board malfunction
E603	Line breakage of suction modulating valve (SMV) or drive circuit malfunction or wrong setting of controller	Lead wire breakage
		Wrong wiring
		CPU board malfunction
		Wrong setting of initial setting of controller (DECOS a, b, c)
E607	Abnormal contact point of manual defrost key (sheet key)	Switch malfunction
		Short circuit
		CPU board malfunction
E707	Momentally power failure	Commercial power supply stops for 40 to 300msec.
E801	Battery replacement request	Service life is exceeded.
E805	Dip switch is improperly set (USDA sensor)	Sensor is connected but it is regarded as no-setting.
		CPU board malfunction
E807	Dipswitch is improperly set (Hu sensor)	Sensor is connected but it is regarded as no-setting.
		CPU board malfunction

Delete

Step	Content	Alarm code	Judgement	Possible cause	Check method
P22	Check on discharge gas by-pass solenoid valve (BSV)	J221	BSV does not open.	BSV coil malfunction	Check on BSV coil, wiring and terminals.
				BSV malfunction	Check on outlet piping temperature of BSV
P24	Check on defrosting solenoid valve (DSV)	J241	DSV does not open.	DSV coil failure	Check on DSV coil, wiring and terminals.
				DSV malfunction	Check on outlet piping temperature of DSV
P26	Standard Pull down operation	No indication			
P28	Evaporator fan reverse-rotation check	J281	Evaporator fan rotates in reverse direction.	Wrong wiring of evaporator fan motor. Magnetic contactor (EFH/L) and wiring malfunction.	Check wiring evaporator fan motor. Check magnetic contactor (EFH/L) and wiring.
P29	Electronic expansion valve check	J291	Pump down time is too long.	Electronic expansion valve wiring malfunction	Check knocking sound of the coil Disconnect and connect the connector of the coil
				Electronic expansion valve coil burn out.	Check on knocking sound of coil.
				Leakage of hot gas by-pass solenoid valve	Touch the outlet pipe of the solenoid valve.
				Leakage of defrosting solenoid valve	Touch the outlet pipe of the solenoid valve.
				Leakage of discharge gas by-pass solenoid valve	Touch the outlet pipe of the solenoid valve.
P30	ISV opening or closing check	J301	ISV does not open.	ISV coil malfunction	Check on ISV coil, wiring and terminals.
				ISV malfunction	Check on capillary tube temperature on ISV outlet.
P32	HSV opening or closing check	J321	HSV does not open.	HSV coil malfunction	Check on HSV coil, wiring and terminals.
				HSV malfunction	Check on outlet piping temperature of HSV
P50	Pull-down cooling capacity	J501	Out of ambient temperature condition	No unit malfunction Ambient temperature is lower than -10°C Ambient temperature is higher than 43°C	Check ambient temperature.
		J502	Pull down time is too long.	Same as normal operation	Same as normal operation
P60	0°C control	No indication	No judgement		
P70	Defrosting operation check	J701	Out of starting condition. (EOS is 20°C or more.)	Wrong installation of EOS.	Check the installation of EOS.
				Leakage of hot gas solenoid valve	Touch the outlet pipe of the solenoid valve.
		J702	Defrost time is too long.	Wrong installation of EOS.	Check the installation of EOS.
				EOS malfunction.	Check EOS.
P80	Pull-down cooling capacity	J901 J801	Pull down time is too long.	Same as normal operation	Same as normal operation
P90	-18°C control	No indication	No judgement		

Note : "Same as normal operation" means that it is same as judgement, countermeasure and check method at normal operation.