Carrier 40MBAB Mini Split Error Codes

Indoor display codes for Carrier 40MBAB ductless air handlers: what each code means, what to check first, and where to find the part.

Carrier mini split parts: hvacexpressparts.com/brands/carrier
Parts listed for 40MBAB models: hvacexpressparts.com/search?q=40MBAB
Not sure which part? Match the number printed on your old part, or call (786) 223-7655, Mon–Fri 9 AM–5 PM ET.

CODE	WHAT IT MEANS	WHAT TO CHECK FIRST	PARTS
Indoor unit			
EH00	Indoor unit EEPROM malfunction.	Power the unit off for a few minutes once. If the code returns, the indoor board (the EEPROM chip is on the board).	control boards
EH03	Indoor fan speed malfunction.	Indoor fan: the blower wheel turns freely and is clean, the motor plug and the motor; then the indoor control board.	fan motors, blower wheels & fan blades, control boards
EH60	Indoor room temperature sensor (T1) error.	The indoor temperature sensor (thermistor) and its plug. If the sensor reads correctly, the indoor control board.	control boards
EH61	Indoor evaporator coil temperature sensor (T2) error.	The coil sensor (thermistor) and its plug. If the sensor reads correctly, the indoor control board.	control boards
EH62	Indoor air inlet temperature sensor error.	The sensor (thermistor) and its plug. If the sensor reads correctly, the indoor control board.	control boards
EH0b	Communication error between the indoor board and the display board.	The cable between the indoor main board and the display panel, then the display board or the indoor board.	control boards
EH0E	Indoor water level alarm.	The drain line, the float switch and the condensate pump.	condensate pump
Communication and match			
EL01	Communication error between the indoor and outdoor units.	The communication wiring and terminals between the units (correct order, tight, dry) and the supply voltage; then the indoor or outdoor control board.	control boards
FL09	Indoor and outdoor platforms do not match.	The indoor and outdoor units (or a replacement board) are not a matching pair: check the model numbers.	Parts Finder
Outdoor unit			
EC07	Outdoor DC fan speed malfunction.	Outdoor fan: the blade turns freely, the motor plug and windings; then the fan drive on the outdoor control board.	fan motors, blower wheels & fan blades, control boards

CODE	WHAT IT MEANS	WHAT TO CHECK FIRST	PARTS
EC51	Outdoor unit EEPROM malfunction.	Power the unit off for a few minutes once. If the code returns, the outdoor board (the EEPROM chip is on the board).	control boards
EC52	Condenser coil temperature sensor (T3) malfunction.	The outdoor coil sensor (thermistor) and its plug: compare its resistance with the temperature chart. If it reads correctly, the outdoor control board.	control boards
EC53	Outdoor ambient temperature sensor (T4) malfunction.	The outdoor ambient sensor (thermistor) and its plug: compare its resistance with the temperature chart. If it reads correctly, the outdoor control board.	control boards
EC54	Outdoor discharge (exhaust) temperature sensor error.	The discharge temperature sensor (TP) and its plug, then the outdoor control board.	discharge temperature sensor, control boards
Protection			
PC00	Inverter module (IPM) protection.	The supply voltage first; then the inverter module / outdoor control board.	control boards
PC01	Over-voltage or under-voltage protection.	The supply voltage, breaker and disconnect first. If the voltage is correct, the outdoor control board.	control boards
PC02	Compressor top or IPM high temperature protection.	Airflow first: the fan runs and the filters and coils are clean; then the refrigerant charge and the related temperature sensor.	fan motors
PC03	Low pressure protection.	Refrigerant charge and leaks (a licensed EPA 608 technician) and airflow; then the pressure switch and its wiring.	pressure switch
PC04	Inverter compressor drive error.	The compressor wires (U-V-W) and terminals, then the inverter module / outdoor board, then the compressor windings. Rule out the wiring and the module before replacing the compressor.	control boards, compressors
PC0L	Outdoor unit low temperature protection.	Usually the outdoor temperature is outside the unit's operating range. If it is not that cold outside, check the outdoor ambient sensor (T4).	—
Alarms and status			
EL0C	Refrigerant leak detected.	Ventilate the room, switch the unit off and call a licensed (EPA 608) technician. Not a parts swap.	—
----	Indoor units mode conflict.	Multi-zone: indoor units are set to heating and cooling at the same time — set one mode. Not a part fault.	—
dF / FC	Defrost / Forced cooling.	Operating modes, not faults or protections.	—

Safety. Power checks and board work are for a qualified technician; refrigerant work requires EPA Section 608 certification.

Returns. Parts that were not installed, connected or used can be returned within 30 days: hvacexpressparts.com/refund-policy.

Source. Code meanings summarized in our own words from: Carrier, 40MBAB Installation Instructions, Catalog No. 40MBAB-01SI (edition 03/22), Table 17 — Indoor Unit Diagnostic Guides. The same code can mean something else on other models; confirm it in your unit's documentation.

Other brands and models. Our mini split error codes guide: hvacexpressparts.com/blog/mini-split-error-codes-guide.

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