

| IHKR E36<br>Fault | Component                               | Diagnostic Description  |
|-------------------|---|---|
| 1                 | Temperature Selector Wheel - Right      | Check the connection of the black component plug PIN 21 to the right temperature selector wheel. Also check that there is at least approx. 5 volt voltage on the temperature selector wheel. If you can't find any fault, the component should be replaced. |
| 4                 | Heater Sensor - Right                   | Check the connection of the white component plug PIN 25 to the right heater sensor. Please measure the unplugged temperature sensor, which should be at least a voltage of 5 volt. If necessary, replace the heater sensor.                                 |
| 7                 | Vaporizer Sensor                        | Check the connection of the white component plug PIN 22 to the vaporizer sensor. On the disconnected temperature sensor the voltage should be at least approx. 5 volt. If the connection is operative, the component should be replaced.                    |
| 10                | Outside Sensor                          | Check the connection of the white component plug PIN 23 to the outside sensor. On the disconnected temperature sensor the voltage should be at least approx. 5 volt. If the connection is operative, the component should be replaced.                      |
| 13                | Inside Sensor                           | Check the connection of the black component plug PIN 21 to the inside sensor. On the disconnected temperature sensor the voltage should be at least approx. 5 volt. If the connection is operative, the component should be replaced.                       |
| 16                | Inside Sensor Blower                    | Check the connection of the blue component plug PIN 18 to the inside sensor. If the connection is operative, the component should be replaced.  |
| 25                | Temperature Selector Wheel - Left       | Check the connection of the black component plug PIN 22 to the left temperature selector wheel. Also check that there is a voltage of at least 5 Volt. If the connection is operative, the component should be replaced.                                    |
| 28                | Heater Sensor - Left                    | Check the connection of the white component plug PIN 24 to the heater sensor. Please measure the unplugged temperature sensor which should have at least a voltage of approx. 5 volt. If the connection is operative, the component should be replaced.     |
| 31                | Air Quantity Selector Wheel             | Check the connection of the black component plug PIN 23 to the air quantity selector wheel. There should be a voltage of approx. 5 volt on the selector wheel. If the connection is operative, the component should be replaced.                            |
| 34                | Layering Selector Wheel                 | Check the connection of the white component plug PIN 21 to the layering selector wheel. There should be a voltage of approx. 5 volt on the layering selector wheel. If the connection is operative, the component should be replaced.                       |
| 40                | Water Valve - Left                      | Check the connection of the black component plug PIN 5 to the water valve. If the connection is operative, the component should be replaced.  |
| 44                | Climate Relay / Additional Blower Relay | Check the connection of the blue component plug PIN 22 to the Climate relay. If the connection is operative, the additional blower relay should be replaced.  |
| 46                | Water Valve - Right                     | Check the connection of the black component plug PIN 12 to the water valve. If the connection is operative, the water valve should be replaced.   |

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| 47 | Decoupling Relay Air Conditioning      | Check the connection of the black component plug PIN 18 to the Motronic relay. If the connection is operative, the relay should be replaced. NOTE: Check the additional blower relay first.   |
| 48 | Rear Window Heater Relay               | Check the connection of the blue component plug PIN 20 to the rear window heater relay. If the connection is operative, the relay should be replaced.   |
| 52 | Fresh Air Flap Motor                   | Check the connection of the blue component plug PIN 10, 11, 12 and 13 to the fresh air flap motor. Also check that there is a voltage of 12 volt on the motor. If the voltage and the connection are operative, the fresh air flap motor should be replaced.            |
| 55 | Air Flow Flap Motor                    | Check the connection of the blue component plug PIN 6, 7, 8 and 9 to the air flow flap motor. Also check for a voltage of approx. 12 volt at the motor. If the voltage and the connections are operative, the air flow flap motor should be replaced.                   |
| 61 | Layering Flap Motor - Right            | Check the connection of the blue component plug PIN 23, 24,25 and 26 to the right layering flap motor. Also check that there is a voltage of approx 12 volt at the motor. If the voltage and the connections are operative, the layering flap motor should be replaced. |
| 92 | Connection Fault on Connector 50       | Check the connection of the black component plug PIN 1 for short cut or disconnection!  |
| 94 | Standing Heater / Standing Ventilation | Check the connection of the white component plug PIN 17 and 20 for short cut or disconnection!  |