

## Qtech III Error Codes

Code	Description	Solution
Error #1	The air or gas readings were unstable.	Move the unit away from sources of EMF or RFI such as radio transmitters and arc welders
Error #2	The air or gas readings were excessively high	Move the unit away from sources of EMF or RFI such as radio transmitters and arc welders
Error #3	The air calibration resulted in a low output	<ul style="list-style-type: none"> <li>• Prevent refrigerant from flowing into the unit through the sample inlet during air calibration.</li> <li>• Allow any refrigerant in the atmosphere to dissipate before performing air Calibration</li> </ul>
Error #4	The unit is beyond the operating temperature range	Move the unit to an area where the ambient temperature is within the specified operating range
Error #5	The refrigerant sampled has an excessively large amount of air or there was little or no sample flow due to plugged sample line gas analyzer filter. This is the code to prompt the user to change the filters. This should be considered more as a prompt than an actual error	<ul style="list-style-type: none"> <li>• Verify the coupler valve is open.</li> <li>• Verify the gas analyzer filters are not plugged with debris or oil</li> <li>• Replace gas analyzer filters</li> </ul>
Error #6	SYSTEM LEAKS:	<p>Verify the connections between the service hoses and quick couplers, and make another 5 min vacuum test only on service hoses . If the problem persists, delete the residual oil in the service hoses making a short 100g filling in the service hoses and then a recovery, and repeat the 5 minutes vacuum test on service hoses.</p> <p><i>N.B. if the vacuum test on service hoses passes, means that the A / C system has a loss which must be localized using a leak detector.</i></p>

<b>Error #7</b>	PRESENCE OF REFRIGERANT INTO THE A/C SYSTEM	perform a recovery procedure
<b>Error #8</b>	LOW VACUUM >400mbar	Perform a quick vacuum procedure (at least 20 minutes)
<b>Error #9</b>	EMPTY TRACER CONTAINER	Fill the container with the correct amount of tracer for compressors, or replace the cartridge if it is refillable.  <b>NOTE: using tracer not recommended by the manufacturer will void the warranty.</b>
<b>Error #10</b>	EMPTY OIL CONTAINER	Fill the container with the correct amount of new oil for compressors, or replace the cartridge if it is refillable  <b>NOTE: Use only oils recommended by the manufacturer or vehicle manufacturer. Never use oil used</b>
<b>Error #11</b>	LOW GAS AVAILABILITY	Fill the internal refrigerant bottle,  <b>NOTE system must have a min of 2Kg remaining in the tank at the end of the cycle</b>
<b>Error #12</b>	VACUUM LEAKS (A/C system flushing)	Check the connections and repeat the procedure
<b>Error #13</b>	PRESSURE LEAKS (A/C system flushing)	Check the connections and repeat the procedure. If the problem persists, look for the leak using the appropriate tools (tracer or electronic leak detector)
<b>Error #14</b>	SYSTEM EMPTY (vehicle has no gas)	Check the connection and closing of the quick couplers, if after all these checks, the machine continues to give the same error means that the A/C system is empty
<b>Error #18</b>	SET QUANTITY LOWER THEN 100G	set a quantity of gas greater than or equal to 100 grams
<b>Error #21</b>	N2 TEST NOT COMPLETED	Follow the onscreen instructions to purge the nitrogen present in the charging station
<b>Error #22</b>	N2 PRESSURE INSUFFICIENT	Check the connections between the external nitrogen bottle and the charging station, verify that the external nitrogen bottle is open, and that the pressure regulator is positioned between 8 and 12 bar

<b>Error #23</b>	N2 TEST LEAKS	Check the connections and repeat the procedure. If the problem persists, look for the leak using the N2+H2 mixture and the special leak detector
<b>Error #26</b>	COMUNICATION ERROR	verify the electrical connections of the koolclean or the analyzer with the charging station. Power cycle the charging station
<b>Error #27</b>	LOW OIL VOLUME	<p>Fill the oil/tracer container</p> <p><b>NOTE: using tracer not recommended by the manufacturer will void the warranty.</b></p> <p><b>NOTE: Use only oils recommended by the manufacturer or vehicle manufacturer. Never use oil used</b></p>
<b>Error #30</b>	CHECK CONNECTIONS	<p>Verify the correct opening of the quick couplers, make sure that the amount of gas in the refrigerant bottle is &gt; 3 kg, otherwise fill the inner refrigerant bottle.</p> <p>– Rarely, it may happen that the temperature of the engine compartment of the vehicle is too high compared to that of the charging station, this can cause an immediate balance between the refrigerant bottle pressure and A/C pressure causing a slowdown or interruption of the filling. To avoid this it is recommended not to do fill A/C in a vehicle exposed to the sun or a vehicle with the engine running.</p>
<b>Error #32</b>	EMPTY EXTERNAL BOTTLE (bottle filling process)	Check the connections, quick couplers and valves on the external bottle; if the external bottle is empty, replace it with a full one, then run another filling

<b>Error # 33</b>	HIGH PRESSURE ALARM	Internal pressure exceeded , The causes may be: <ul style="list-style-type: none"><li>• Ambient temperature where is located in the station is too high. Solution to wait for a sufficient time to cool the charging station before resuming the interrupted procedure.</li><li>• Number of services performed by the station is excessive. Solution to wait for a sufficient time to cool the charging station before resuming the interrupted procedure.</li><li>• One of the taps of the internal bottle is closed. Solution to open the tap and resume the interrupted procedure.</li></ul>
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