

# Service Bulletin

**Types | General**

**Subject | Service Tool for GET - Antiknocking Control**

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**GE Jenbacher**

## Servicetool for GET - Antiknocking Control

In order to make the most of antiknocking control (AKC) by GET there is a service tool available now.

This tool is a visualising software, allowing a lot of practical applications directly on your PC.

Once you have installed this software on your notebook or PC, you just need to connect your PC with the AKC box using the accompanying cable. For this the control box is equipped with a RS232 connector. All necessary data can now be picked out.

The service tool includes the following features:

### **Visualising of functionality**

- Knocking integrators of the single cylinders are displayed in [%]

### **Display of information on setup, version and status**

- Hardware information like MOTP, SOTP, MOT, PLD  
(eg. the respective versions of master- and slave cards)
- Cycle number (Counter of combustion cycles)
- Status of enabling signals
- Engine settings (engine type, camshaft offset, knock limit)

### **Possibility of diagnosis in case of failure**

- 1. Errors:  
Operating condition not fulfilled is indicated (eg. pickup failure, engine setup).
- 2. Fatal:  
Failure signalling in one of fields 0...7 indicates a system's internal defect. Replacement of control box is necessary.

OK	Knock Controller	<div style="border: 1px solid black; padding: 2px; display: inline-block;">28 Apr 2004</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">15:15:47</div>																																																
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 20%;"> <p><b>Fatal</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>1</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>2</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>3</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>4</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>5</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>6</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>7</td><td><input checked="" type="checkbox"/></td></tr> </table> </div> <div style="width: 40%;"> <p><b>Errors:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Crankshaft sensor</li> <li><input checked="" type="checkbox"/> Camshaft sensor</li> <li><input checked="" type="checkbox"/> Crankshaft sensor exchanged with Camshaft sensor</li> <li><input checked="" type="checkbox"/> Tooth number not valid</li> <li><input checked="" type="checkbox"/> Wrong Setup</li> <li><input checked="" type="checkbox"/> Engine speed out of range</li> <li><input checked="" type="checkbox"/> Engine Setup changed</li> <li><input checked="" type="checkbox"/> Current loops</li> </ul> </div> <div style="width: 40%; text-align: right;"> <p><small>Version number: 2.1</small></p> <table style="width: 100%;"> <tr> <td><b>MOTP</b></td><td><b>SOTP</b></td><td><b>MOT</b></td><td><b>PLD</b></td></tr> <tr> <td><input type="text" value="0"/></td><td><input type="text" value="0"/></td><td><input type="text" value="0"/></td><td><input type="text" value="0"/></td></tr> <tr><td colspan="4"><b>Cycle Number</b> <input type="text" value="0"/></td></tr> <tr><td colspan="4"><b>Engine type</b> <input type="text"/></td></tr> <tr><td colspan="4"><b>Camshaft Offset</b> <input type="text" value="0"/></td></tr> <tr><td colspan="4"><b>Knock Limit</b> <input type="text" value="0"/></td></tr> <tr><td colspan="4"><b>Enable</b> <input type="text"/></td></tr> <tr><td colspan="4"><b>Enable 2</b> <input type="text"/></td></tr> </table> <div style="display: flex; justify-content: flex-end; gap: 10px;"> <span style="background-color: #90EE90; padding: 5px 10px; border: 1px solid black;">Print</span> <span style="background-color: #FFB6C1; padding: 5px 10px; border: 1px solid black;">Quit</span> </div> </div> </div>			0	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	4	<input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	7	<input checked="" type="checkbox"/>	<b>MOTP</b>	<b>SOTP</b>	<b>MOT</b>	<b>PLD</b>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<b>Cycle Number</b> <input type="text" value="0"/>				<b>Engine type</b> <input type="text"/>				<b>Camshaft Offset</b> <input type="text" value="0"/>				<b>Knock Limit</b> <input type="text" value="0"/>				<b>Enable</b> <input type="text"/>				<b>Enable 2</b> <input type="text"/>			
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Visualising software is available on CD with the following part numbers:

**Single user licence .....p/n 342331**

**Multi user licence (<= 5) .....p/n 345051**

Please note: software is only compatible with GET-AKC Version JAG V2.0 1299.600 and higher. The antiknocking control's version is apparent on the front label of your box.

Part number of the accompanying link cable from PC to control box: **p/n 306115**

Cable length is 3 m