

SERVICE TECHNICIANS INSTRUCTION |

Distribution:

GEJ-Service

Subs-Service

Service Partner

ST-013

No.

15.07.04

Date

 GE Jenbacher
 H. Sonnerer | Service
 tel 2168 - fax 42168

from

Ignition Software „All in One“

For a simplified handling of the different ignition software versions the so called „All in One“ Version has been developed and released. This “All in One” Software will be installed on all delivered ignition systems, on site the required version can be set via Ignition Terminal Programm. Current versions for the so far standard ignition systems IC900, IC910 und IC912: x.21, for the shortly introduced successor systems IC920 und IC922: x.35.

(A) Versions:

9.21 for IC900, IC910 und IC912

Firmware Version	Ignition Type
4.21	IC900 and Downgrades of IC910
7.21	IC910
9.21	IC910 and IC912
10.21	IC910 and IC912

11.35 for IC920 and IC922

Firmware Version	Ignition Type
4.35	IC920 and IC922
7.35	IC920 and IC922
9.35	IC920 and IC922
11.35	IC920 and IC922 with dia.ne XT

(B) Parameter setting:

Setting parameters for the different firmware versions happens via Ignition Terminal Programm (p/n 342333, accompanying cable p/n 229636)

The required firmware version can be set with the aid of the terminal program using the parameter "SET REVISION" [F1]. The firmware version can be selected by entering the figure before the decimal point (4, 7, 9 or 10). The password will be needed for this adjustment.

```
SET REVISION: 11.34
F1:CHANGE F2:NEXT
F3:PREVIOUS F4:HELP
F5:SAVE
```

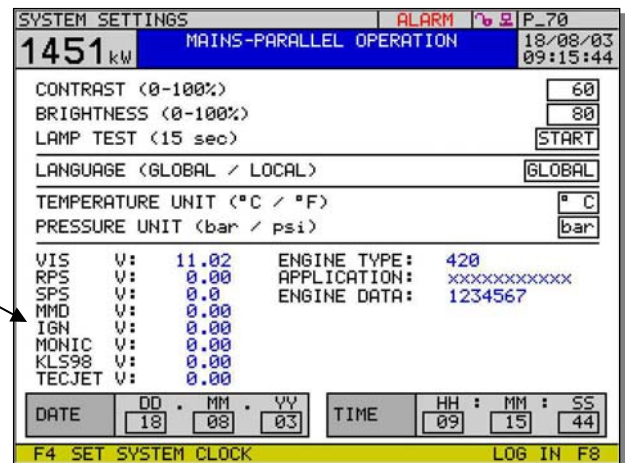
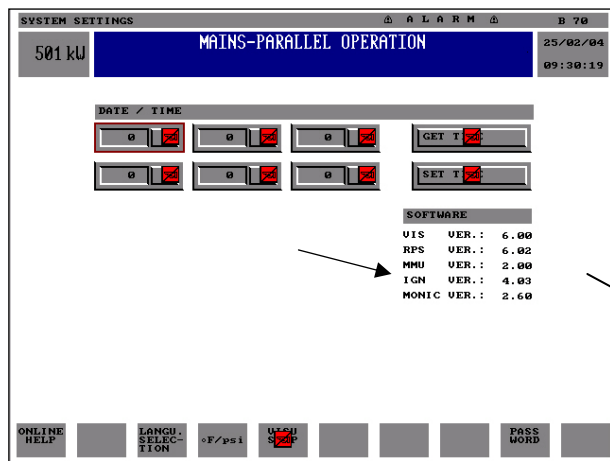
```
SET REVISION: 11.34
1ST TYPE NEW:
```

```
ENTER WHEN DONE
```

After setting the parameters and saving of the firmware version [F5] the ignition must be restarted with a voltage interruption of at least 10 s! During the subsequent initialisation, the firmware version with the set parameters and the required hardware feedback will be written into the EEPROM.

Subsequently, the set firmware version should be checked with the aid of the terminal program using the key combination [Shift] [H] and the display on the **dia.ne** or **dia.ne xt** on the system settings screen should be checked using the keys [SYS]

```
HOURS : 00 : 00 : 00
CHECKSUM : XXXX
SOFTWARE REV. 11.34
MISSES/SEC : 0
```



You will find a detailed description in Technical Instruction TI 1502-0038 (IC91x), bzw. 1502-0067 (IC92x).

(C) Self Test:

With the previous firmware version it was not possible to carry out the Self Test, as soon as the SCR-failure detection was active. With the new software versions this fact will be eliminated. The SCR-failure detection will be deactivated during Self Test.

Self Test can only be carried out when the engine is standing still.

Scope of self-test:

- Checking the coils and high-voltage cables
- Checking the height and waveform of the output voltage
- Checking the output cable harness to the coils

Execution of Self Test is also described in above mentioned Technical Instructions.

Herbert Sonnerer
Service Department
GE Jenbacher