

TYPE-NO H & C	TYPE All 7000 Series	T.I.-NO 01-2014				
COMPLAINT NO. W12-012	SERIAL NUMBERS AFFECTED From and including SN 25010789	ISSUED BY Documentation N&W Valbrembo				
SUBJECT ES Controller board		ISSUED FOR (X): <table border="1"> <tr> <td>Action:</td> <td></td> </tr> <tr> <td>Information:</td> <td>x</td> </tr> </table>	Action:		Information:	x
Action:						
Information:	x					

Components concerned:

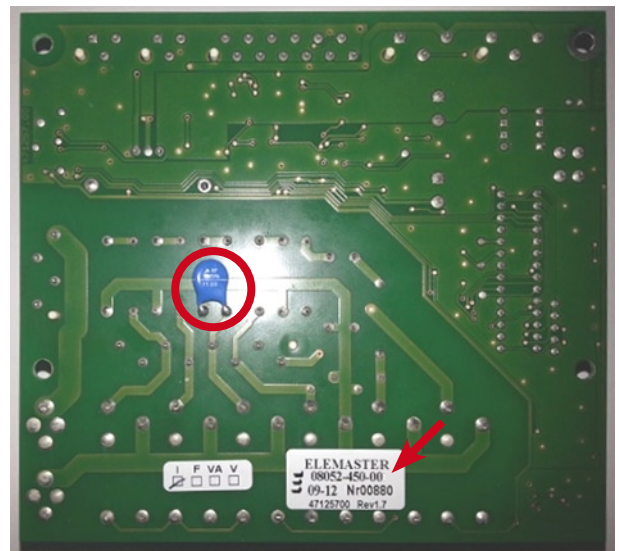
	Part-No	Designation
modified:	47125700	ES controller board

Modification:

The following revisions of the ES controller board are and have been installed in machines of the ES 7000 series:

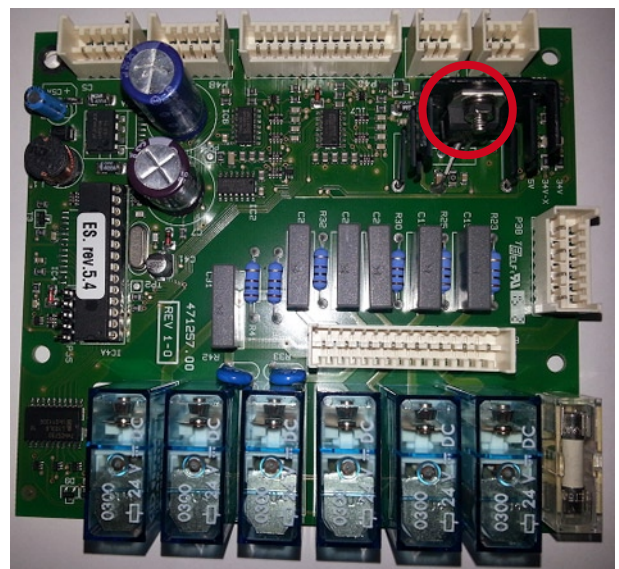
1. ES controller boards rev. 00

The ES controller board rev. 00 was installed in all ES 7000 machines prior to SN 25010789. It can be recognized by a blue varistor on the reverse side of the board (see red circle mark in the illustration aside). The version indication on the label shows xxxxx-xxx-00 (see red arrow in the illustration aside).



2. ES controller boards rev. 01

The ES controller board rev. 01 was installed in ES 7000 machines from serial number 25010789 to serial number 40210764 (excluding). The ES controller board rev. 01 was used shortly before the introduction of the ES controller board rev. 02. It mainly shows the same layout as the ES controller board rev. 00, but the voltage regulator (see red circle mark in the illustration aside) was manually reworked.



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3. ES controller boards rev. 02

The ES controller board rev. 02 is installed in ES 7000 machines from serial number 40210764.

The layout of the board is modified in such a way, that

- the new regulator „LM7824“ has been introduced to improve the protection of the volumetric counter against short circuit and 37V output after the short circuit.
- the varistor R47 is positioned on the topface of the board.

The revision number xxxxx-xxx-02 is indicated on the label on the reverse side of the board (see red arrow in the illustration aside).

