



Broadcast Products

Technical Bulletin 20-2006-210

DATE: **October 30, 2006**SUBJECT: **ERROR E91-125 WHEN USING ANTON BATTERY**

MODEL: **PDW-510**
PDW-510 / 1
PDW-510 / 2
PDW-510P
PDW-510P / C
PDW-510P / 1
PDW-510P / 2
PDW-530
PDW-530 / 1
PDW-530 / 2
PDW-530P
PDW-530P / C
PDW-530P / 1
PDW-530P / 2

SERIAL NO:

PDW-510	10,001–10,425
PDW-510/1	12,001–12,010
PDW-510/2	13,001–13,090
PDW-510P	40,001–40,590
<i>PDW-510P/C</i>	<i>50,001–50,083</i>
PDW-510P/1	42,001–42,015
PDW-510P/2	43,001–43,095
PDW-530	10,001–10,764
PDW-530/1	12,001–12,015
PDW-530/2	13,001–13,070
PDW-530P	40,001–41,093
<i>PDW-530P/C</i>	<i>50,001–50,130</i>
PDW-530P/1	42,001–42,020
PDW-530P/2	43,001–43,171

Italicized information in green applies to customers outside the United States.

DESCRIPTION

When the Anton battery is installed and power is turned ON, the color and monochrome LCD may not operate properly, and the operation buttons (such as PLAY/PAUSE, EJECT) in the VDR block may not operate. Error E91-125 then appears on the viewfinder.

If the Anton battery is subjected to mechanical stress (such as a physical blow or continuous vibration), contact resistance between the terminals may increase. The resulting increase in heat may burn the diode connected between the BATT ID terminal (pin 2) of the BATTERY IN connector and ground. As a result, error E91-125 occurs.

PARTS REQUIRED

Part No.	Description	Qty.
8-719-989-01	Diode DA221-TL	1
A-1186-425-A	Battery Connector Assembly	1
8-759-337-40	IC NJM2904V (TE2)	1*

* This part may not be required. See "Output Voltage of OP-AMP" on page 2.

ORDERING INFORMATION

To order parts online, go to: <http://www.sony.com/servicesplus>. For service and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 00-1999-000

MODIFICATION PROCEDURE**FP Board (Side A, Zone J-5)**

1. Remove the burnt D808 diode (DA221).
2. Clean the area with a cotton swab moistened with alcohol.
3. Confirm that traces are not damaged. If damaged, replace the FP board with a new board.
4. If traces are not damaged, install a new DA221-TL diode.

PDWM06-014

Output Voltage of OP-AMP

Before installing the FP board to the side panel, check output voltage of the OP-AMP as follows:

1. Install the flexible cards only to the FP board, and connect the FP board to the MB board.
2. Connect nothing to the BATTERY IN connector.
3. Connect the DC power cable to the DC-IN terminal.
4. Turn the power switch ON.
5. Measure the voltage at IC815 (FP board, side A, zone J-5) pin 5 (IN terminal: 3–3.2 Vdc).
6. Measure the voltage at IC815 pin 7 (OUT terminal).
7. Confirm that voltage at the OUT and IN terminals is within $\pm 0.1V$.
8. If the voltage specification is not met, replace IC815 with a new IC (NJM2904V), and check the voltage again.

Battery Connector Assembly

Replace the battery connector assembly with a new assembly.

NOTE: For details on how to replace the battery connector assembly, see Technical Bulletin 20-2006-096.

CONFIRMATION

1. Load a SONY battery (BP-GL95 or BP-GL65), and turn the power switch ON.
2. Confirm that the unit is powered ON properly and that battery power remaining is displayed as a percentage (%) on the color LCD.

NOTE: OPERATION menu > VF DISP 2 > DISP BATT REMAIN must be set to AUTO.