



COMPONENT MAINTENANCE MANUAL
Z317H01 SERIES

- The part number (Z317H01 SERIES) is visible and readable on the unit's label.
- No parts are missing.
- No mechanical damage of the component or the label is visible.

4. AUTOMATIC TEST EQUIPMENT SUPPLY CHANNEL II ATE (PNR: Z072H0700110)

NOTE: Refer to FIGURE 1001 for a view of a typical SUPPLY CHANNEL II ATE (PNR: Z072H0700110).

NOTE: Refer to [Manual: GEM 23-77-00, SPL: C9072, Automatic Test Equipment] for detailed description and configuration of the SUPPLY CHANNEL II ATE (PNR: Z072H0700110) equipment.

A. General description of the Supply Channel II ATE (PNR: Z072H0700110)

(1) The SUPPLY CHANNEL II ATE (PNR: Z072H0700110) is used for automatic or manual testing of Z317H01 SERIES devices.

(2) A PSU under test gets connected to the SUPPLY CHANNEL II ATE (PNR: Z072H0700110) by means of an adapter cable PNR Z072H3830000.

NOTE: For the testing of the oxygen box connectors, use the S-Channel Oxygen Adapter PNR Z072H4510000.

(3) The PSU can stay assembled for the test.

5. PSU TEST

WARNING: **THERE ARE HIGH VOLTAGE CIRCUITS INSIDE THE DUT. TAKE THE NECESSARY PRECAUTIONS TO AVOID ELECTRICAL SHOCK. TAKE CARE THAT THE CAPACITORS INSIDE THE UNIT ARE FULLY DISCHARGED.**

A. General information

(1) This section gives the procedure for automatic and manual testing of Z317H01 SERIES devices to make sure that they are serviceable before installation.

Test range: this test is for Z317H01 SERIES devices only.

(2) Test system hardware setup

Make sure that the test hardware is installed correctly, refer to [Manual: GEM 23-77-00, SPL: C9072, Automatic Test Equipment] for detailed setup instructions.

(3) Test system software setup

Make sure that the test software is installed correctly, refer to [Manual: GEM 23-77-00, SPL: C9072, Automatic Test Equipment], section "Software Setup", for detailed setup instructions.

NOTE: Make sure that the ATE software is installed correctly. Use the latest ATE software and the latest ATE database for testing. For the latest version of the ATE software and database, refer to [Manual: VSIL 23-117, SPL: C9072, Test software version and database of the test equipment].

(4) Measuring device setup

(a) Setup for ATP

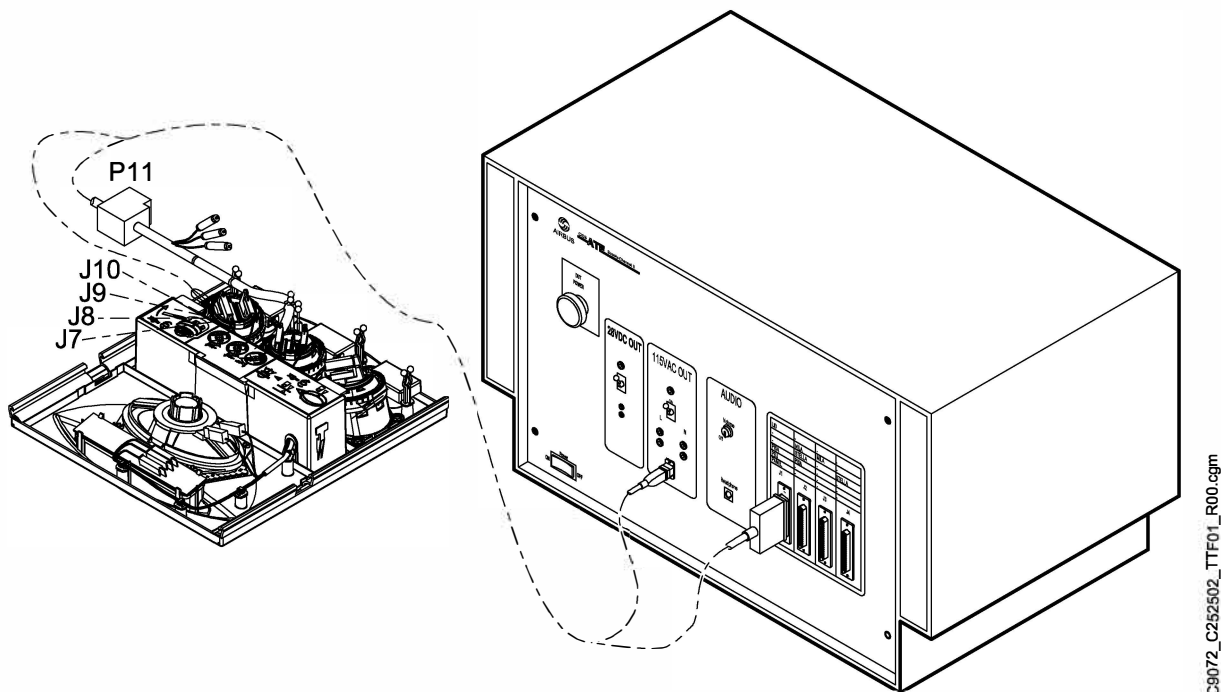
CAUTION: NEVER CONNECT OR DISCONNECT THE DEVICE UNDER TEST WHILE IT IS UNDER POWER.

CAUTION: MAKE ONLY THE LISTED CONNECTIONS. DISCONNECT ALL OTHER CABLES. ADDITIONAL CONNECTIONS MAY CAUSE DAMAGE TO THE ATE OR THE DUT. ONLY ONE COMPONENT MUST BE CONNECTED AT A TIME.

CAUTION: NEVER PULL ONE OF THE SHORTING PLUGS ON THE FRONT PANEL WHILE THE DEVICE IS POWERED.

To connect the PSU to the SUPPLY CHANNEL II ATE (PNR: Z072H0700110), place the PSU in front of the SUPPLY CHANNEL II ATE (PNR: Z072H0700110) and carefully attach the connectors P11, J7, J8, J9 and J10 of the PSU to the SUPPLY CHANNEL II ATE (PNR: Z072H0700110) using the adapter cable PNR Z072H3830000. For the testing of the oxygen box connectors, use the S-Channel Oxygen Adapter PNR Z072H4510000 and follow the instructions of the ATE test program. For more details, refer to FIGURE 1001.

NOTE: To connect the connectors J7, J8, J9 and J10 of the PSU to the SUPPLY CHANNEL II ATE (PNR: Z072H0700110), remove first the drip water cover (FIGURE 3002 - 20) of the PISA, refer to Removal of the PISA PCB.



MEASURING SETUP WITH ATE FOR Z317H01 SERIES UNITS
FIGURE 1001