



HI-Pot Testing

FreeSpace[®] 4400 and E4 II
Professional Amplifiers



Always Follow all Safety
Guidelines When
Performing Any HI-POT
Testing!!!!!!!!!!!!!!



If There Are Any Questions
Concerning Hi-Pot Testing,
Hi-Pot Settings, or
Procedures Please Refer to
the Corporate HI-POT
Procedure
OP119939

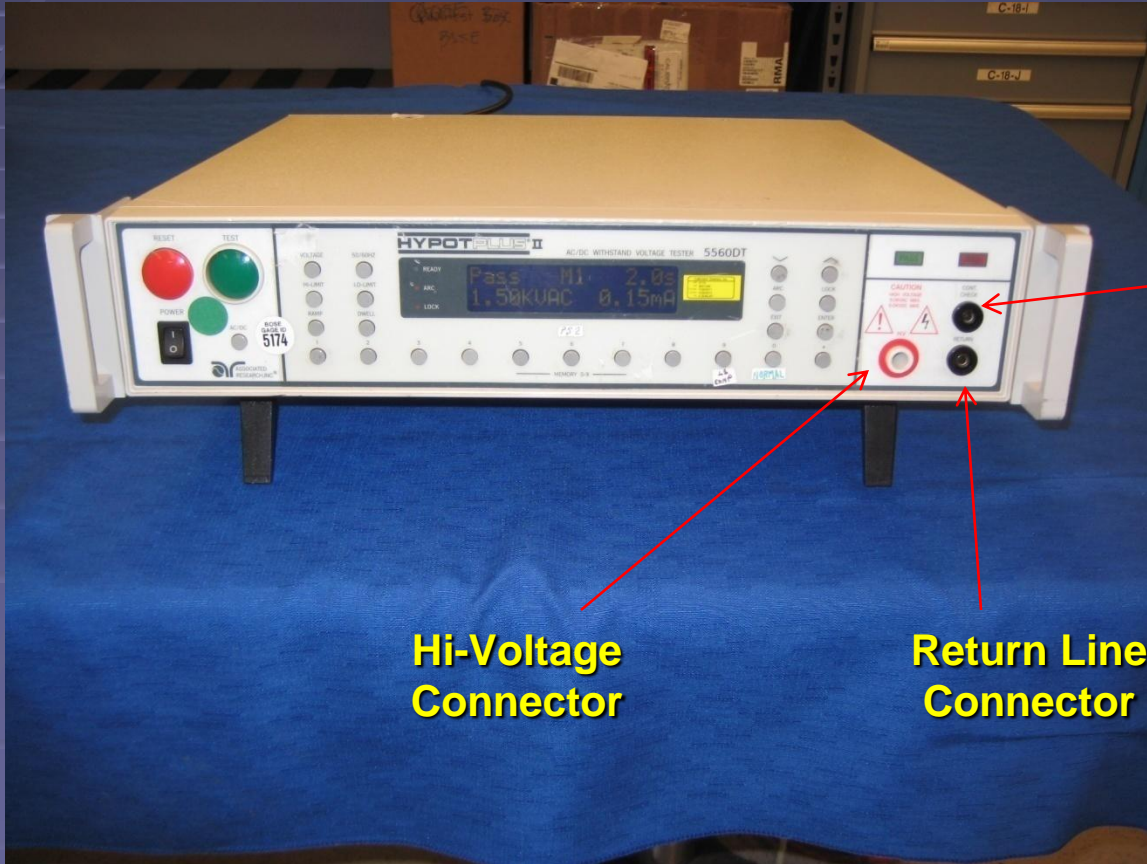


Always Verify That The Hi-Pot Tester Has Been Checked For Proper Operation **AND** The Daily Log Has Been Signed Off Before Starting Test.

Hi-Pot Common Equipment

1. Hi-Pot Tester
2. Hi-Pot Break-Out Box
 - Has harness for Hi-Voltage and return lines to connect to the Hi-Pot tester (keyed connectors)
 - Has feed-thru connector for return line to connect to UUT
3. AC Cord
 - To connect between break-out box and UUT
4. Return Cable (return and continuity cable are the same)
5. Continuity Cable (return and continuity cable are the same)

Hi-Pot Common Equipment



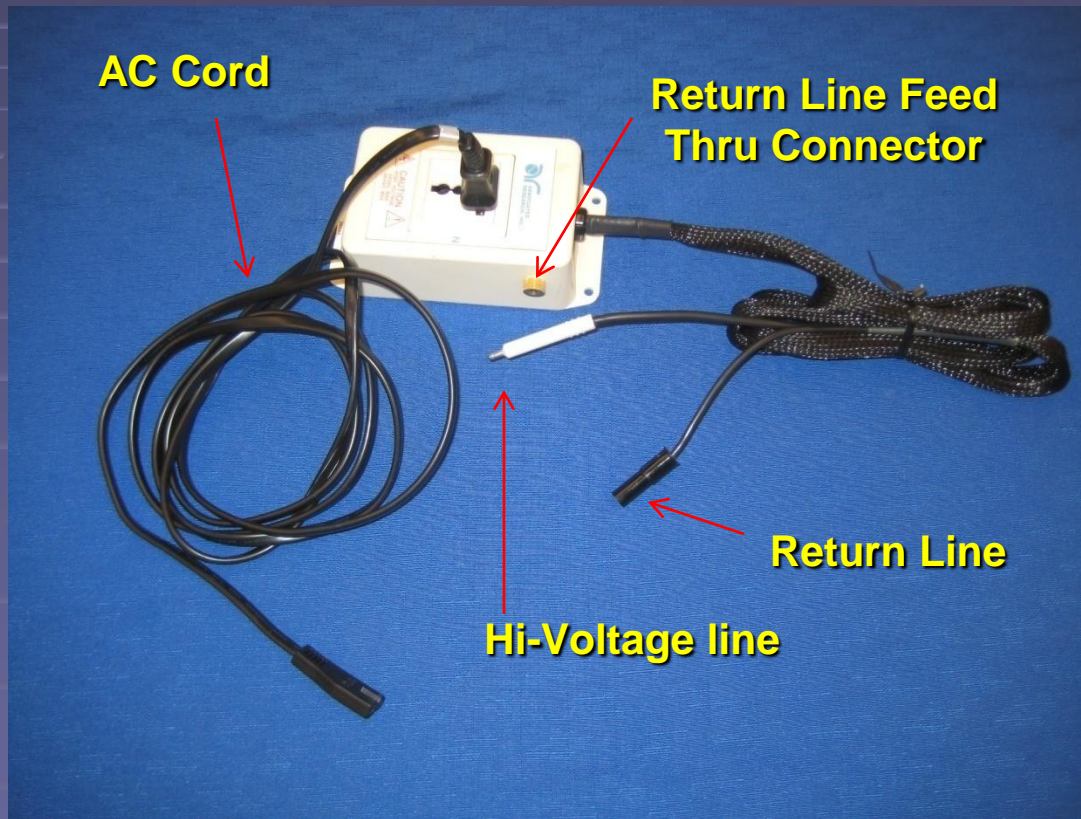
**Continuity
Connector**

**Hi-Voltage
Connector**

**Return Line
Connector**

Hi-Pot Tester

Hi-Pot Common Equipment



Break out Box with
AC Cord attached

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Hi-Pot Common Equipment



Continuity/Return Cable

Return/Continuity Line Connector

To Product Specific Adapter Cable

Continuity/Return Cable (2 needed)

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Hi-Pot Common Equipment



- **Continuity/Return Cable (2 needed)**

- When using this cable for the continuity connection it will connect directly to the Hi-Pot continuity connector and directly to the UUT via the adapter cable

- When using this cable for the return connection it will connect to the return feed-thru connector on the Break-Out Box then to the UUT via the adapter cable

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Hi-Pot Product Specific Equipment

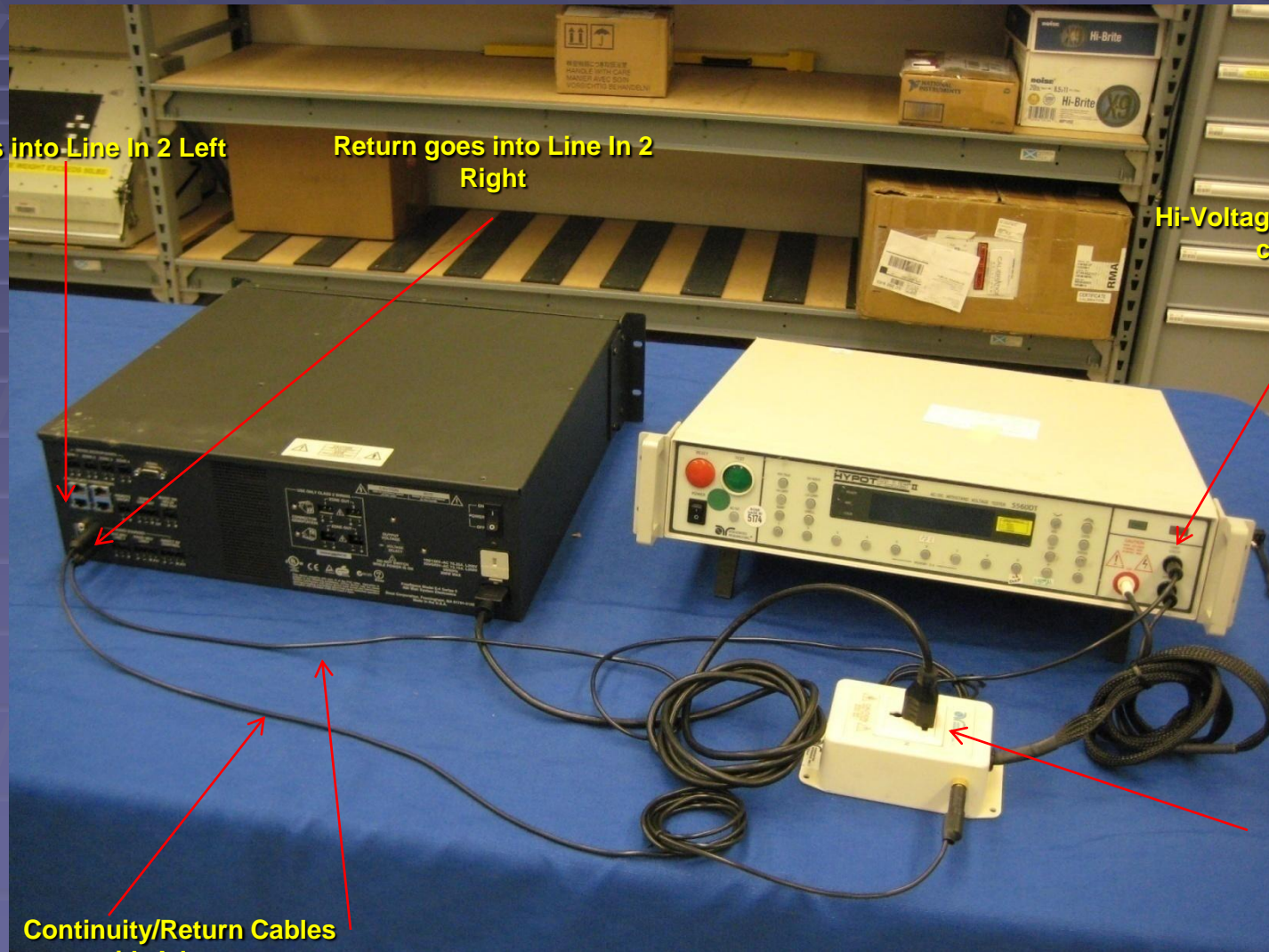
There are no adapter cables
needed for FS 4400/E4 II

You use the common cables for
return and continuity

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Hi-Pot Complete Setup Ready For Testing



Cont goes into Line In 2 Left

Return goes into Line In 2 Right

Hi-Voltage/Return/Continuity connections

Product AC Cord

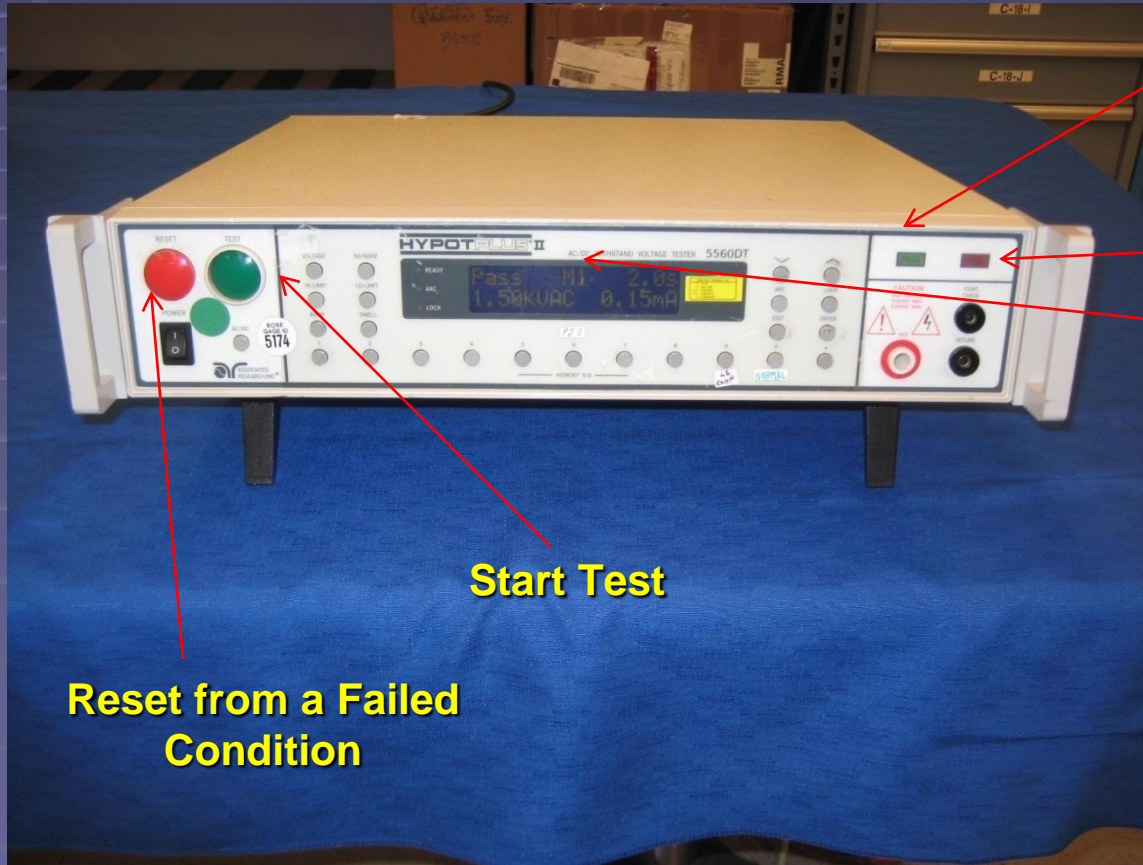
Continuity/Return Cables with Adapters

Hi-Pot Starting Test

1. Start Test

- Once All Connections Have Been Made You Can Initiate The Test
- To Initiate Test Press the Green Start Button On the Front of the Hi-Pot Tester
- The Tests Will Take Approximately 5 seconds to complete

Hi-Pot Common Equipment



Pass Indicator

Fail Indicator

Display

Start Test

Reset from a Failed Condition

Hi-Pot Tester

Hi-Pot Test Results Pass or Fail

- ❖ Passed Test
 - If the test passes you will observe a PASS displayed on the front panel and the **GREEN** pass indicator light will illuminate on the Front Right of the Hi-Pot tester
- ❖ Failed Test
 - If the test fails you will observe a Fail displayed on the front panel and the **RED** fail indicator light will illuminate on the Front Right of the Hi-Pot tester
 - The Hi-Pot tester will also emit a High Pitched alert tone
 - This alert tone will run continuous until reset by pressing the RED reset button on the front left of the Hi-Pot tester

Handling of Passed Units

❖ Passed Test

- If the Hi-Pot test passes the unit may continue to the next step in your process

Handling of Failed Units

❖ Failed Test !!!!

- **ALL UNITS THAT FAIL HI-POT TESTING MUST BE SENT TO A QUALIFIED REPAIR TECHNICIAN FOR ANALYSIS AND/OR REPAIR.**
- **ALL UNITS THAT HAVE BEEN SENT TO ANALYSIS / REPAIR MUST BE RE-TESTED**
- **IF A UNIT FAILS HIPOT TESTING IT IS CONSIDERED A POTENTIAL SAFETY HAZARD AND MUST BE HANDLED ACCORDINGLY. IN NO CIRCUMSTANCES MUST THIS UNIT BE ALLOWED TO PROCEED IN THE PROCESS.**

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END