



FIGURE 3.2 ATG Module Adjustment and Test Point Locations

#### STEP 4 - Adjust Generator Amplitude

- A. Connect a precision ac voltmeter between pins 2-3 of the generator output "A" connector.
- B. Set the generator output for 2.000 V at 1 kHz. Be sure the A-output is turned on.
- C. **ADJUST** R3104 to obtain an ac voltmeter reading of 1.999-2.001 Volts.

*NOTE: The generator amplitude is referenced to the -15 Volt power supply. R3104 adjusts this supply. When properly adjusted, the -15 Volt supply should measure -14.85 V to -15.15 V at jumper R3505.*

- D. Disconnect the precision ac voltmeter.

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#### STEP 5 - Adjust Transformer Distortion Null

- A. Select the "THD+N" function, "UN-WTD" mode, with the "22 Hz - 22 kHz" measurement bandwidth. Change the notch filter tuning mode to "GEN-TRACK" using the upper right soft button, if necessary.
- B. Press the "INPUT A" button, then the "INPUT GEN" button to select the generator A-output signal.
- C. Set the generator output to 2.000 V at 1 kHz. Be sure the A-output is turned on.
- D. Check the 1 kHz THD+N reading. If it exceeds 0.0020%, perform Step 7 of the ATA Adjustment Procedure before continuing.
- E. Change the generator output to 26.250 V at 25 Hz. (The generator source impedance must be set to one of its balanced selections to obtain this amplitude.)
- F. **ADJUST** R3706 for minimum THD+N reading. When properly adjusted, the THD+N reading should be <0.0020%.