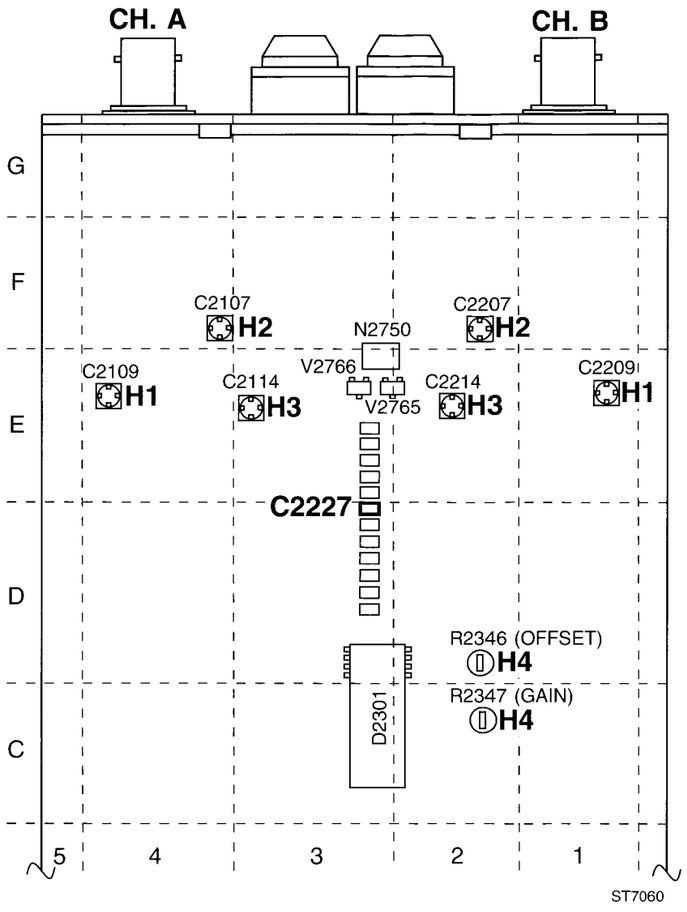
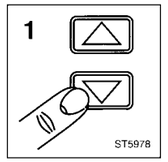


Figure 5.3 Analog A2 PCB; position of hardware adjustment trimmers and potentiometers

H1. Hardware pulse response of the ∗1 attenuation



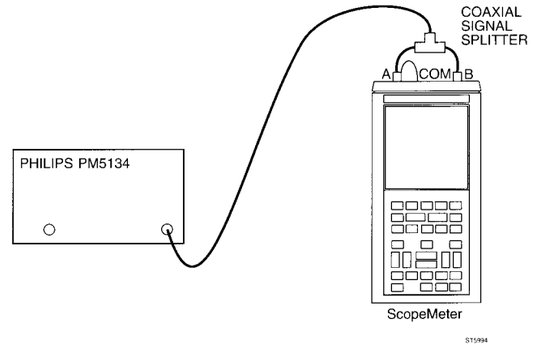
Purpose: optimal pulse response of the ∗1 attenuation circuit.

Calibration equipment:

Philips PM 5134 Function Generator

Calibration setup:

Connect the banana jack COM to the BNC common



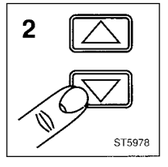
Procedure:

A - Apply a square wave with a frequency of 1 kHz, amplitude 300 mV peak-to-peak (between 0 mV and +300 mV) to both channels A and B.

B - Turn trimmer C2209 on the analog A2 PCB to get the best channel A pulse response on the LCD (least distorted waveform). The position of trimmer C2209 can be found in figure 5.3.

C - Turn trimmer C2109 on the analog A2 PCB to get the best channel B pulse response on the LCD. The position of trimmer C2109 can be found in figure 5.3.

H2. Hardware pulse response of the ∗10 attenuation



Purpose: optimal pulse response of the ∗10 attenuation circuit.

Calibration equipment:

Philips PM 5134 Function Generator

Calibration setup:

See calibration setup H1.