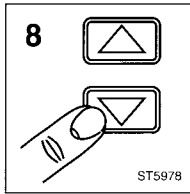


### S8/9. Pulse response of the \*100/\*1000 attenuation (fine adjustments)



Purpose: optimal pulse response of the \*100, \*1000 attenuation circuit.

#### Calibration equipment:

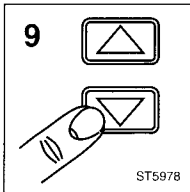
Tektronix PG 506 Square Wave Calibration Generator

#### Calibration setup:

See calibration setup H3.

#### Procedure:

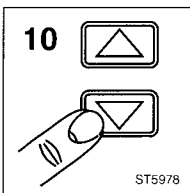
- A - Apply a square wave with a frequency of 1 kHz, amplitude 20V peak-to-peak (between 0V and +20V) to both channels A and B. Set the generator to the position "STD AMPL".
- B - Press the READY softkey.



- C - Apply a square wave with a frequency of 1 kHz, amplitude 50V peak-to-peak (between 0V and +50V) to both channels A and B. Set the generator to the position "STD AMPL".
- D - Press the READY softkey.

### S10/11/12/13/14/15/16/17

#### Gain for 5 mV, 10 mV, 20 mV, 50 mV, 100 mV, 200 mV, 2V, 20V



Purpose: correction of the system gain (from BNC to microprocessor) in attenuator settings: 5 mV, 10 mV, 20 mV, 50 mV, 100 mV, 200 mV, 2V, 20V.

#### Calibration equipment:

Tektronix PG 506 Square Wave Calibration Generator

#### Calibration setup:

See calibration setup H3.

#### Procedure:

- A - Apply a square wave with a frequency of 1 kHz, amplitude 20 mV peak-to-peak to both channels A and B. Set the generator to the position "STD AMPL".
- B - Press the READY softkey.
- C - Change the input voltage according to table 5.2.  
After each calibration press the READY softkey. Use the adjust/select keys to advance/go back in the list.

*NOTE: These steps calibrate both channel A and B at the same time.*