Adjustment of TRB11

ADJ 1. Connect a DC Voltmeter between the emitter of Q200 AD149 and chassis. Adjust ADJ 1 to -22V. Check hum. with an AC Voltmeter. Should be < 3mV.

ADJ 7 Connect a frequency Counter between Unknown-Red and chassis. Adjust ADJ 7 until the frequency is 1 KHz ±1,0Hz.

ADJ 8 Connect a DC Voltmeter between Testpoint 6 and chassis. Adjust ADJ 8 until the DC Voltmeter indicates -3,5V ±0,1V at 25°C ±2°C.

ADJ 9 Connect an AC Voltmeter between terminal Unknown-Red and chassis. Adjust ADJ 9 to 250 mV.

ADJ 2-3 Set Range to +100/-50%

Set Function to "R".

Connect a 1 Kohm resistor across the "known" terminals and a 2 Kohm 1 o/oo resistor across the "unknown" terminals. Push △ R.C.L. and read approx. 100% reflection on the meter.

Connect an AC VTVM between Testpoint 4 and chassis. Read approx. 1,72V. Push △ button and adjust ADJ 2 until the meter indicates "0".

Adjust ADJ 3 until the AC VTVM indicates 1,72 V. Replace the used resistors from "unknown"-terminal to "known" terminal and adjust ADJ 2 until the deviation is equal around the zero-point.

ADJ 4 Connect an AC VTVM between the "unknown" red terminal and chassis. Adjust ADJ 8 to final right position. Adjust ADJ 9 until VTVM indicates 140 mV. Connect at 79 nF condensor ±1% across "unknown" and a resistor of 2020 ohm ±1% across "known".

Set the function switch to "R" and the range switch to + 100/-5% and push R.L.C. button. Adjust ADJ 4 until the meter indicates "0". Exchange the components until the indication is centered around "0". Repeat ADJ 8 and 9.

ADJ 6 Connect "unknown" black to the screen of the W 10 cable. Limit sensor - Normal switch in position normal. Range in position ±1,5%. Adjust ADJ 6 to "0" in position R.L.C. and △ ⊖. Center any "wrong" reading around "0".

ADJ 5 Connect a DC mV-meter to the J7 with + at pin 3 and - at pin 1.

Connect the "unknown" black to the screen of the W 10 cable. Limit Sensor - Normal switch in position Limit Sensor.

Set range switch in position ±1,5%. Adjust ADJ 5 until the DC Millivoltmeter indicates 0 V in both ranges R.L.C. and $\Delta\ominus$. Center the deviation around zero.

ADJ 10 Connect a 1 Kohm 1 o/oo resistor across the "Known" terminals and a 2 Kohm 1 o/oo resistor across the "Unknown".

Set range switch to +100/-50%, function to "R" and push R.L.C. button.

Adjust calibration on the front plate to +100%, push calibration button and adjust ADJ 10 until meter indicates correct corresponding to the calibration point on the meter.