



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  $< 3\text{mV}$ .
- ADJ 7 Connect a frequency Counter between Unknown-Red and chassis. Adjust ADJ 7 until the frequency is  $1\text{ KHz} \pm 1,0\text{Hz}$ .
- ADJ 8 Connect a DC Voltmeter between Testpoint 6 and chassis. Adjust ADJ 8 until the DC Voltmeter indicates  $-3,5\text{V} \pm 0,1\text{V}$  at  $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ .
- ADJ 9 Connect an AC Voltmeter between terminal Unknown-Red and chassis. Adjust ADJ 9 to  $250\text{ mV}$ .
- ADJ 2-3 Set Range to  $+100/-50\%$   
Set Function to "R".  
Connect a  $1\text{ Kohm}$  resistor across the "known" terminals and a  $2\text{ Kohm } 1\text{ o}/\text{o}$  resistor across the "unknown" terminals. Push  $\Delta$  R.C.L. and read approx.  $100\%$  reflection on the meter.  
Connect an AC VTVM between Testpoint 4 and chassis. Read approx.  $1,72\text{V}$ . Push  $\Delta$  button and adjust ADJ 2 until the meter indicates "0".  
Adjust ADJ 3 until the AC VTVM indicates  $1,72\text{ V}$ . 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  $140\text{ mV}$ . Connect at  $79\text{ nF}$  condensor  $\pm 1\%$  across "unknown" and a resistor of  $2020\text{ ohm } \pm 1\%$  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  $\pm 1,5\%$ . Adjust ADJ 6 to "0" in position R.L.C. and  $\Delta$  button. 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.

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

ADJ 10

Connect a 1 Kohm  $1\ 0/00$  resistor across the "Known" terminals and a 2 Kohm  $1\ 0/00$  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.