TRANSISTOR VOLTAGES

Q No.	Circuit	Collector	Emitter	Base
Q1	Master Oscillator	+2.2	+12	+12
Q2	1st Divider	+5.5	+1	+1.2
Q3	1st Divider	+5.5	+1	+1.2
Q4	2nd Divider	+5.5	+1	+1.2
Q5	2nd Divider	+5.5	+1	+1.2
Q6	3rd Divider	+5.5	+1	+1.2
Q7	3rd Divider	+5.5	+1	+1.2
Q8	4th Divider	+5.5	+1	+1.2
Q9	4th Divider	+5.5	+1	+1.2
Q10	5th Divider	+5.5	+1	+1.2
Q11	5th Divider	+5.5	+1	+1.2
Q12	Vibrato Oscillator	+5.2*	+2.6	+2.8
Q13	Emitter Follower	+12	+4.5*	+1.8*
Q14	Voltage Sensor	—12	+5.6	+5
Q15	Voltage Regulator	ϕ	—12	—12
Q16	Voltage Regulator	ϕ	—12	—12
Q17	16′ Solo Divider	+10/+5.5	+1	+1.8/+1.3
Q18	16′ Solo Divider	+1.2/+5.5	+1	+.9/+1.3
Q19	Pedal Solo Divider	+1/+5.5	+1	+1.8/+1.3
Q20	Pedal Solo Divider	+10/+5.5	+1	+.9/+1.3
Q21	Bass Preamp	+5.5	+.8	+1
Q22	3320 Cycles Flute Filter	+5.5	+.8	+1
Q23	1660 Cycles Flute Filter	+5.5	+.8	+1
Q24	830 Cycles Flute Filter	+5.5	+.8	+1
Q25	415 Cycles Flute Filter	+5.5	+.8	+1
Q26	207 Cycles Flute Filter	+5.5	+.8	+1
Q27	String Preamp	+3.6	+1.1	+1.2
Q27	String Preamp	+5.8	+.6	+1
Q28	Trumpet Filter	+6	+.6	+1
Q29	Oboe Filter	+5.8	+.6	+1
Q30	Treble Preamp	+5.6	+.6	+1
Q31	Percussion Pulse Detector	+.8	+.5	+1.2
Q32	1 Shot Multivibrator	+.1	ϕ	+.3
Q33	1 Shot Multivibrator	+11.2	ϕ	+.1
Q34	Percussion Driver	ϕ	+9.5	+10
Q35	Percussion Keyer	+11.5	+11.5	ϕ
Q36	Percussion Preamp	+6	+.7	+1.2
Q37	Output Preamp	+9	+3	+3.3
Q38	Celest Filter #1	+5.8	+.6	+1
Q39	Celest Filter #2	+5.8	+.6	+1
Q40	Sustain Voice Preamp #1	+5.8	+.6	+1
Q41	Sustain Preamp #2	+6	+.6	+1
Q42	16′ Solo Preamp	+12/+5.5	ϕ	ϕ/+.6
Q43	Muter Preamp #1	+5.6	+.6	+1
Q44	Muter Preamp #2	+9	+6.2	+5.6
Q45	Muter Driver	+6.5	ϕ	ϕ
Q46	Muter	ϕ	ϕ	+.5

*Pulse Voltage

IMPORTANT

The above voltage readings were measured to ground with a Simpson Model 260 V.O.M. Voltage readings shown are intended only as a guide in troubleshooting. Voltages will vary from organ to organ due to normal manufacturing tolerances.

CAUTION

Exercise extreme care when making voltage measurements. Accidental shorting of transistor leads may damage the transistor.