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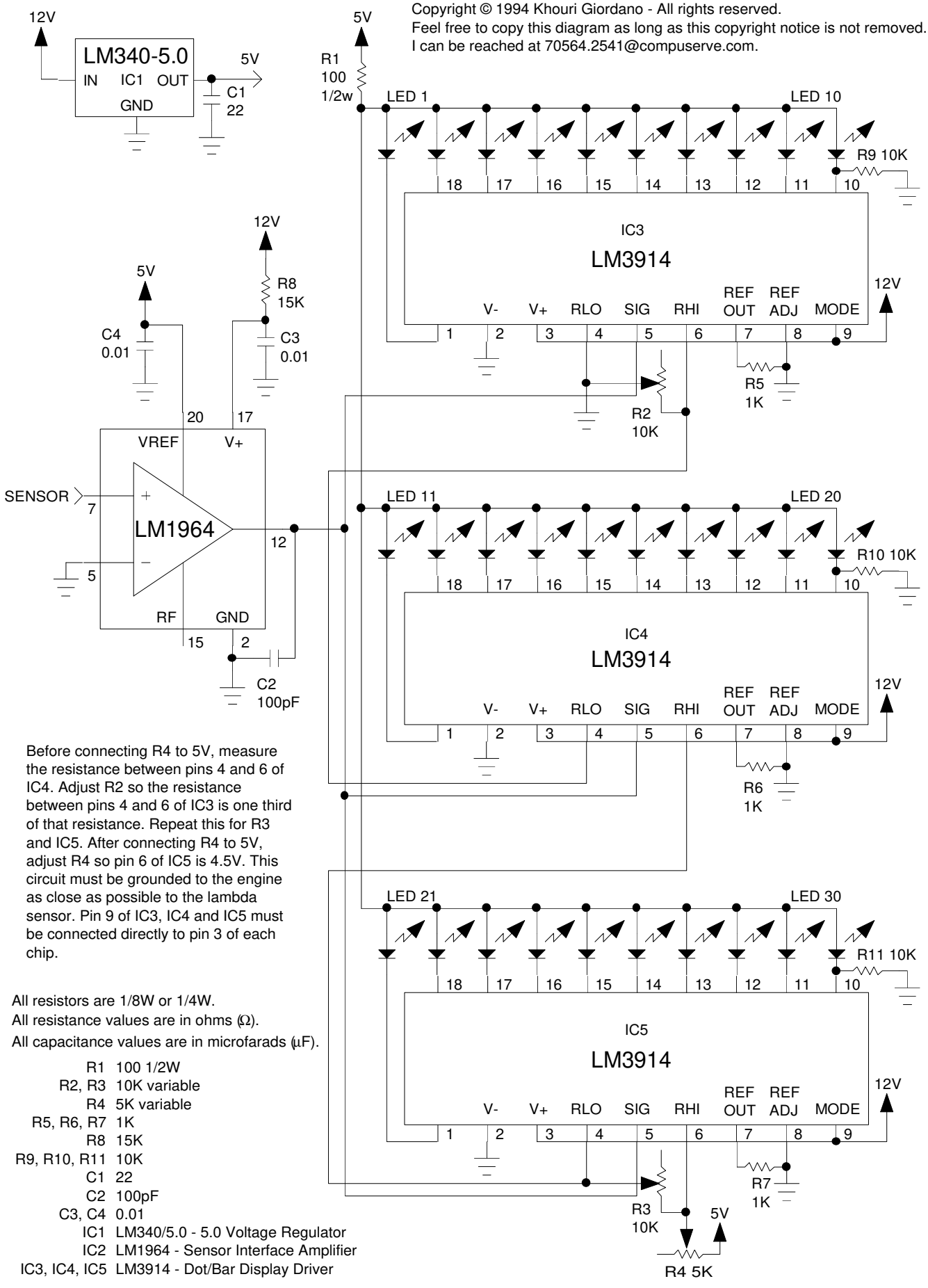

Before connecting R4 to 5V, measure the resistance between pins 4 and 6 of IC4. Adjust R2 so the resistance between pins 4 and 6 of IC3 is one third of that resistance. Repeat this for R3 and IC5. After connecting R4 to 5V, adjust R4 so pin 6 of IC5 is 4.5V. This circuit must be grounded to the engine as close as possible to the lambda sensor. Pin 9 of IC3, IC4 and IC5 must be connected directly to pin 3 of each chip.

All resistors are 1/8W or 1/4W.
All resistance values are in ohms (Ω).
All capacitance values are in microfarads (μF).

R1	100 1/2W
R2, R3	10K variable
R4	5K variable
R5, R6, R7	1K
R8	15K
R9, R10, R11	10K
C1	22
C2	100pF
C3, C4	0.01
IC1	LM340/5.0 - 5.0 Voltage Regulator
IC2	LM1964 - Sensor Interface Amplifier
IC3, IC4, IC5	LM3914 - Dot/Bar Display Driver