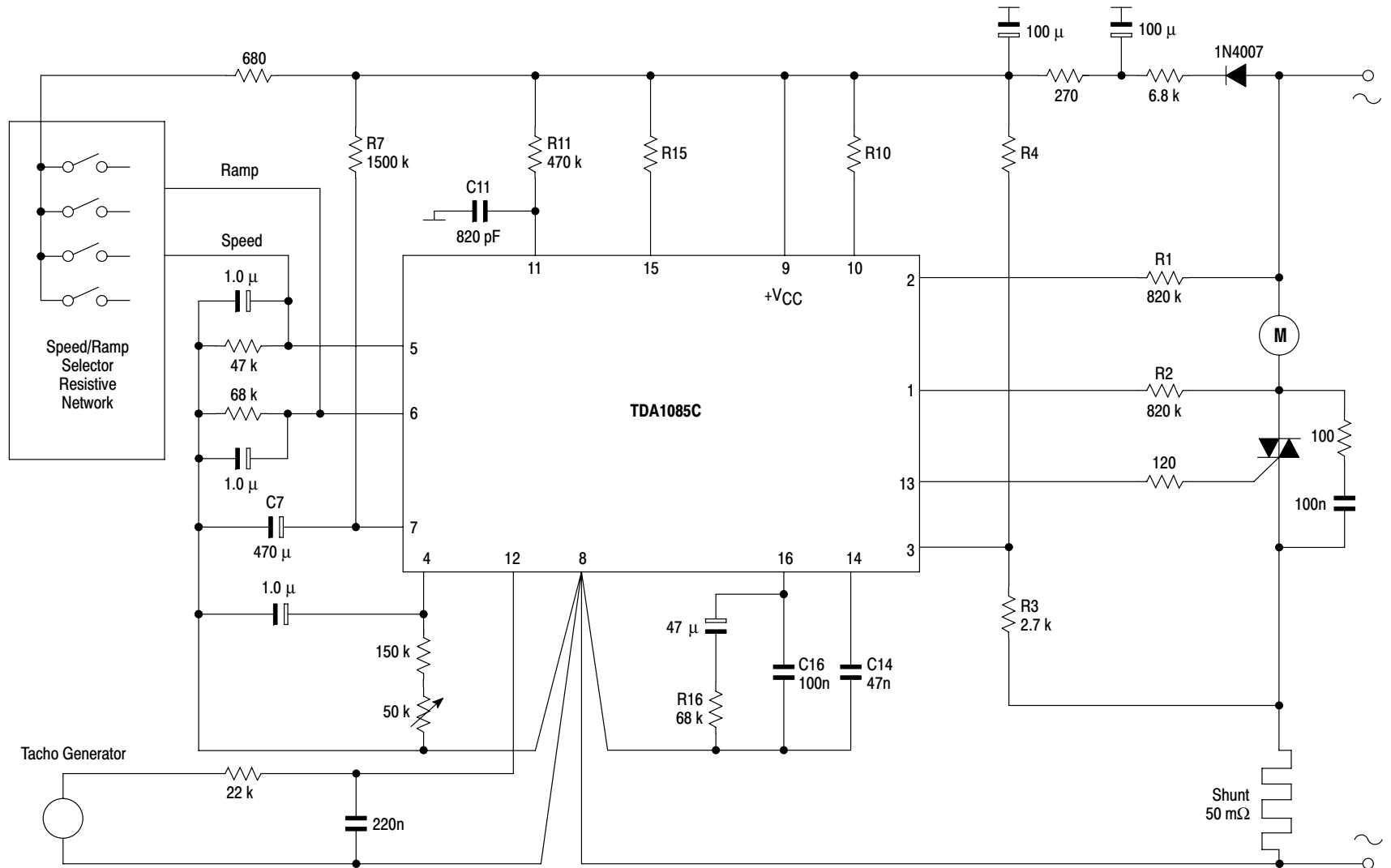


Figure 4. Basic Application Circuit



TDA1085C

Current limitation: 10 A adjusted by R4 experimentally
Ramps High acceleration: 3200 rpm per second
Distribution ramp: 10 s from 850 to 1300 rpm

Speeds:		Pin 5 Voltage Set:
Wash 800 rpm	609 mV	Including nonlinearity corrections
Distribution 1300	996 mV	Including nonlinearity corrections
Spin 1: 7500	5,912 V	Including nonlinearity corrections
Spin 2: 15,000	12,000 V	Adjustment point

Motor Speed Range: 0 to 15,000 rpm
Tachogenerator 8 poles delivering 30 V peak to peak at 6000 rpm, in open circuit
FV/C Factor: 8 mV per rpm (12 V full speed) $C_{pin\ 11} = 680\text{ pF}$ $V_{CC} = 15.3\text{ V}$
Triac MAX15A-8 15 A 600 V
Igt min = 90 mA to cover Quad IV at -10°C