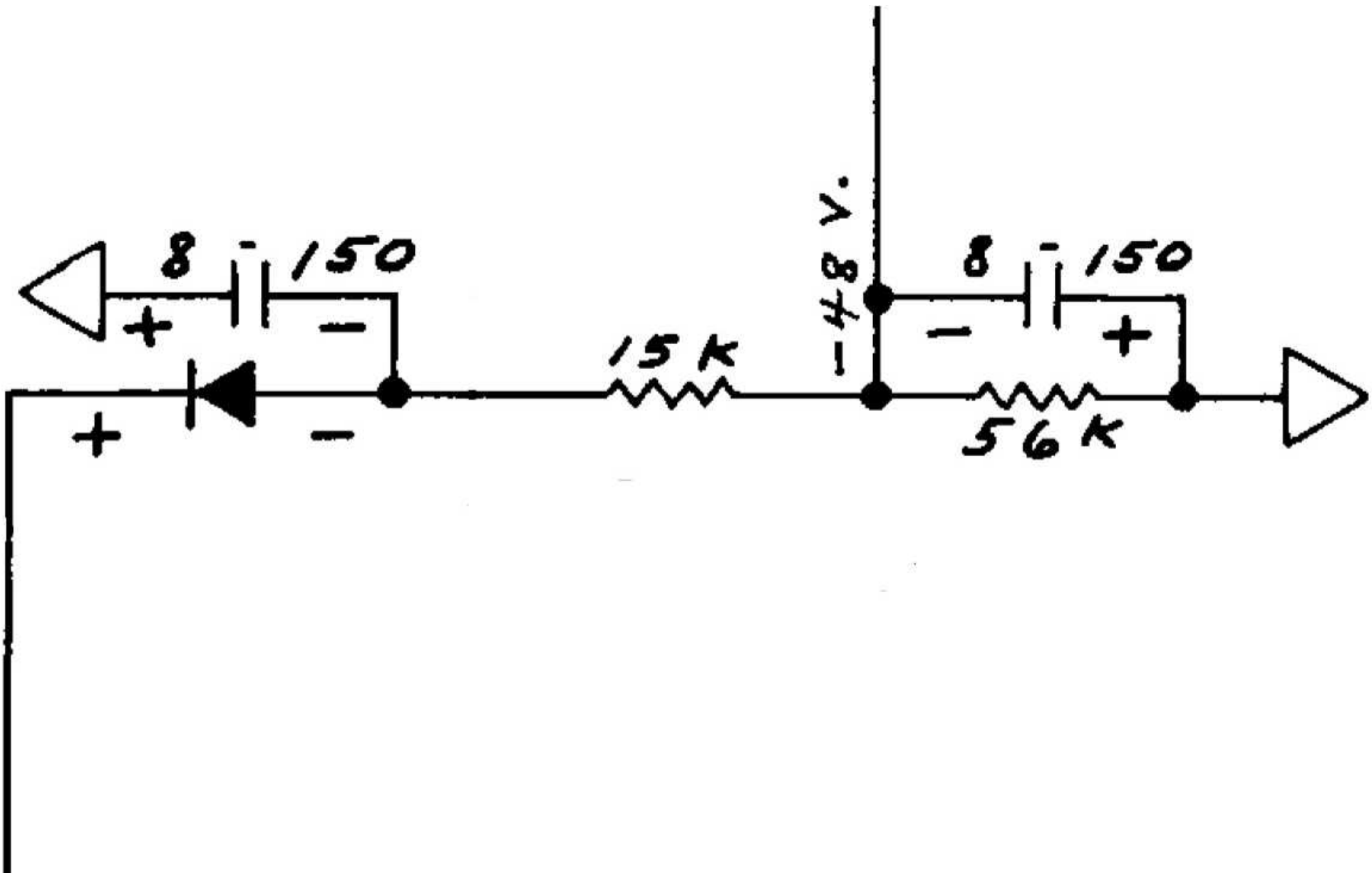
Fender '59 Bassman Bias Supply

AC Bias Supply (Vin)	V2 (Measured) vDC	V2 (Calculated) vDC	Vout (Measured) vDC	Vout (Calculated) vDC
10.12	-12.89	-12.8852	-10.06	-10.0823798727466
20.15	-26.00	-25.6558	-20.27	-20.0750943118422
30.18	-39.17	-38.4264	-30.52	-30.0678087509378
40.12	-52.24	-51.0824	-40.64	-39.9708577563826
50.29	-65.60	-64.0312	-50.94	-50.1030517589352
60.21	-78.76	-76.6618	-61.18	-59.9861751124575
70.20	-92.02	-89.3814	-71.46	-69.9390382477083
80.04	-105.10	-101.9101	-81.53	-79.7424589935409
89.95	-118.21	-114.5279	-91.57	-89.615619521102
99.90	-131.37	-127.1966	-101.76	-99.528631352508
	V2 = -Vin x Sqrt(2) / [(1 / Sqrt(2)) / (2/Pi)]		Vout = V2 x R2 / (R1 + R2)	
	Sqrt(2) = 1.4142135623731			R1 = 16.71K
	1 / Sqrt(2) = 0.707106781186548			R2 = 60.11K
	2 / Pi = 0.636619772367581			
	Form Factor = (1 / Sqrt(2)) / (2/Pi)			
	Pi = 3.14159265358979323846264338327795			


8
150
+
−
15K
−48 V.
8
150
−
+
+
−
56K