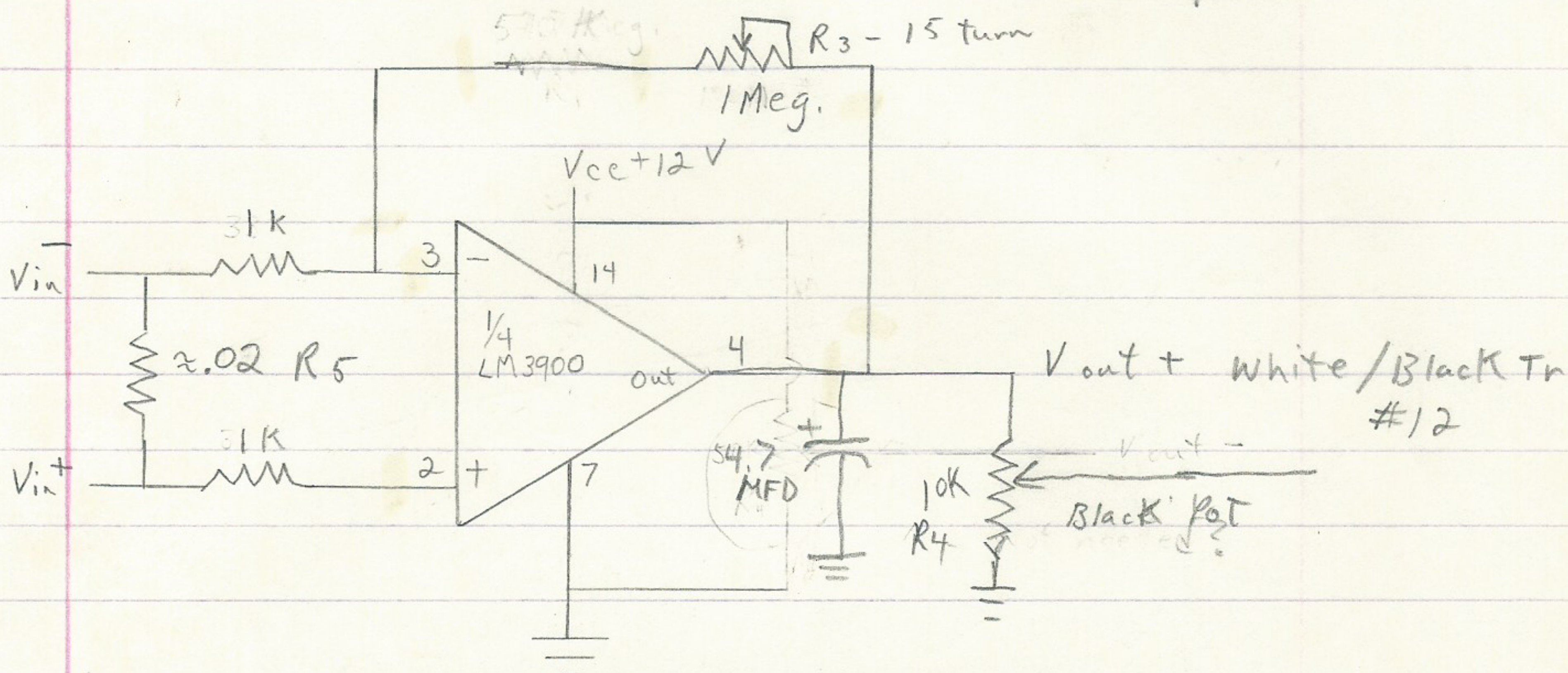


Current sensor for ADC

LM3900N (CA 3401) Norton

12-3-82



- 1 1st test 0 Amp = 2d-2c, 6.5amp = EA
- 2 Adjust R_3 to 10 Volts at output when there is 9-10 Amps going through R_5
3. This circuit only works when V_{cc} & gnd. are isolated from V_{in} .
4. R_5 consists of 2 .01 Ω shunt resistors connected in series.
(90-883 .01 Ω from Instrument Control, 1400 E Franklin)
- 5 This current sensor can use the same op-amp that is used on the tooth counter.
- 6 R_3 is a 15 turn pot - turning CW increases sensitivity
- 2 Continued - Adjust R_3 so that a .5 Amp current is barely detectable.