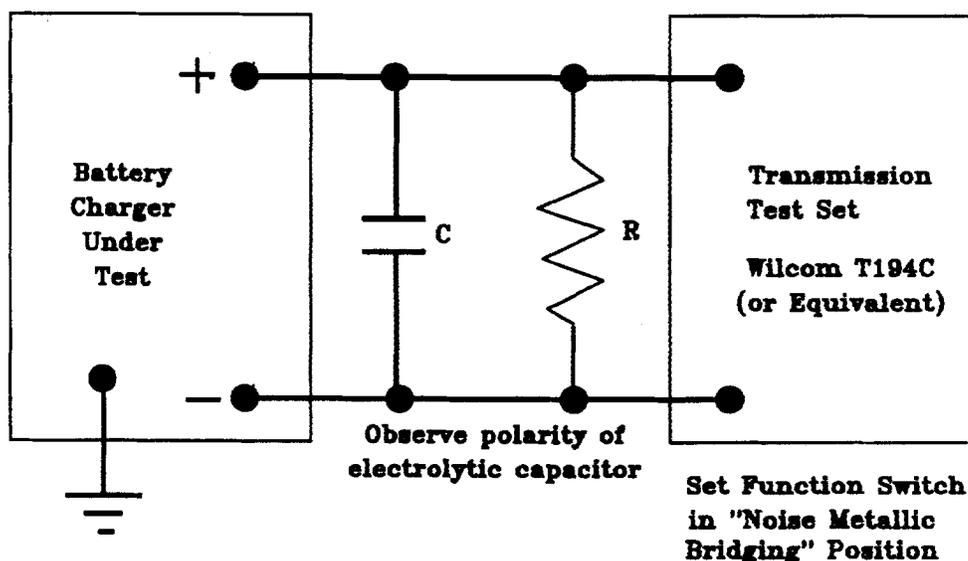


Figure 7

Charger Noise Test

Note (1) The manufacturer may elect to eliminate the capacitor C from the measurement.

Capacitance C in μF = 30,000 μF per ampere-hour per cell. For example, 25 cells at 100 ampere-hour would be equivalent to a capacitance of:

$$(30,000 \times 100) / 25 = 120,000 \mu\text{F}$$

- (2) The value of the resistive load R is determined by the nominal battery voltage in volts divided by the full load rating in amperes. For example, for a 48 volt battery and a full load current of 24 amperes, the load resistance R is $48/24 = 2$ ohms of appropriate power handling capacity.