How to Determine Your Shunt Value

1. Look on Aircraft Drawings to determine the shunt value.

2. Sometimes the value is stamped on the shunt

3. Rough Guess: The highest value on the existing ammeter is generally near the value of the existing shunt value: Standard values are 120A, 100A, 70A, 60A and 50A.

4. If none of the options above are viable for obtaining the existing shunt value, measure the Shunt value by following these steps:

   A. With a Voltmeter, measure the millivolt signal across the two "lugs" on the top of the shunt with a voltmeter when the power is on, but no load is on the shunt.
   B. If your shunt is located in the Battery lead, connect a known load (in Amps) to your Bus. If your shunt is located in the Alternator lead, connect the known load to the Alternator side of your shunt.
   C. Measure the change in the millivolt signal from no load to known load (in Amps). Use the following formula to determine your shunt value:

$$\textbf{Shunt Value} = \frac{\textbf{(Known Load in Amps) x 50}}{\textbf{Change in Millivolts}}$$