

TESTING AN ADVERC, ALTERNATOR & CHARGING SYSTEM
- USING A DIGITAL CIRCUIT MONITOR (DCM) Mk. III.



PURPOSE:

A fact, not always fully appreciated, is that small voltage changes can produce significant differences in battery charging current. Testing the ADVERC gives you piece of mind that your batteries are being charged efficiently.

RECOMMENDED PROCEDURE:

1. Tests must be done on an open circuit voltage – no loads.
 An open circuit voltage is where the battery has been allowed to settle or stabilise after charging and with the DC loads off.
 If Voltages are measured immediately after charging, then, due to the presence of surface charge on the battery plates, the voltages could read 13.4/26.8v. To obtain an accurate measurement the surface charge can be removed by applying a load – 15-20watts – for ten minutes.
2. Select the circuit that checks the battery voltage.
3. Check your State of Charge (S.O.C.) on the following table.



S.O.C.	100%	80%	60%	50%	30%	15%	0%
12v	12.8	12.6	12.4	12.2	12.0	11.8	11.6
24v	25.6	25.2	24.8	24.4	24.0	23.6	23.2

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