

FAA General

Find the relationship. Keep the record.

01 Ohm's law

$E = I \times R$; $I = E \div R$; $R = E \div I$. Use volts, amperes, and ohms consistently.¹

With resistance unchanged, more voltage produces more current. With voltage unchanged, more resistance reduces current. State what is held constant.¹

02 Weight × arm - not distance alone

Moment = weight × arm. The arm is measured from the specified datum; a longer arm changes the moment even if weight is unchanged.¹

Track both signs: adding weight aft of datum adds positive moment; removing that weight reverses the moment change.¹

Keep going with the full quick sheet.

6 more focused sections: Pressure is not force / Fuel + heat + oxygen / What, when, who / A hidden step can become a missed step / Torque and tool geometry / Galvanic attack needs a circuit.

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1. Aviation Maintenance Technician...

FAA-S-ACS-1; FAA-H-8083-30B, 2023 edition | Checked 2026-09-05

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