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Private Pilot Research - Aircraft Systems (Deicing & Anti-icing)

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On every aircraft, there are deicing and anti-icing systems in place to either remove ice that has already formed or prevent ice from forming. Deicing devices remove ice that has formed, while anti-icing devices prevent ice from forming. Deicing devices are found primarily on the airfoil, while anti-icing devices are found primarily on the airfoil, windshield, propeller, and pitot-static system. Without deicing and anti-icing systems in place, accidents occur and lives get lost. Because of this, deicing and anti-icing systems are vital and must be checked during preflight.