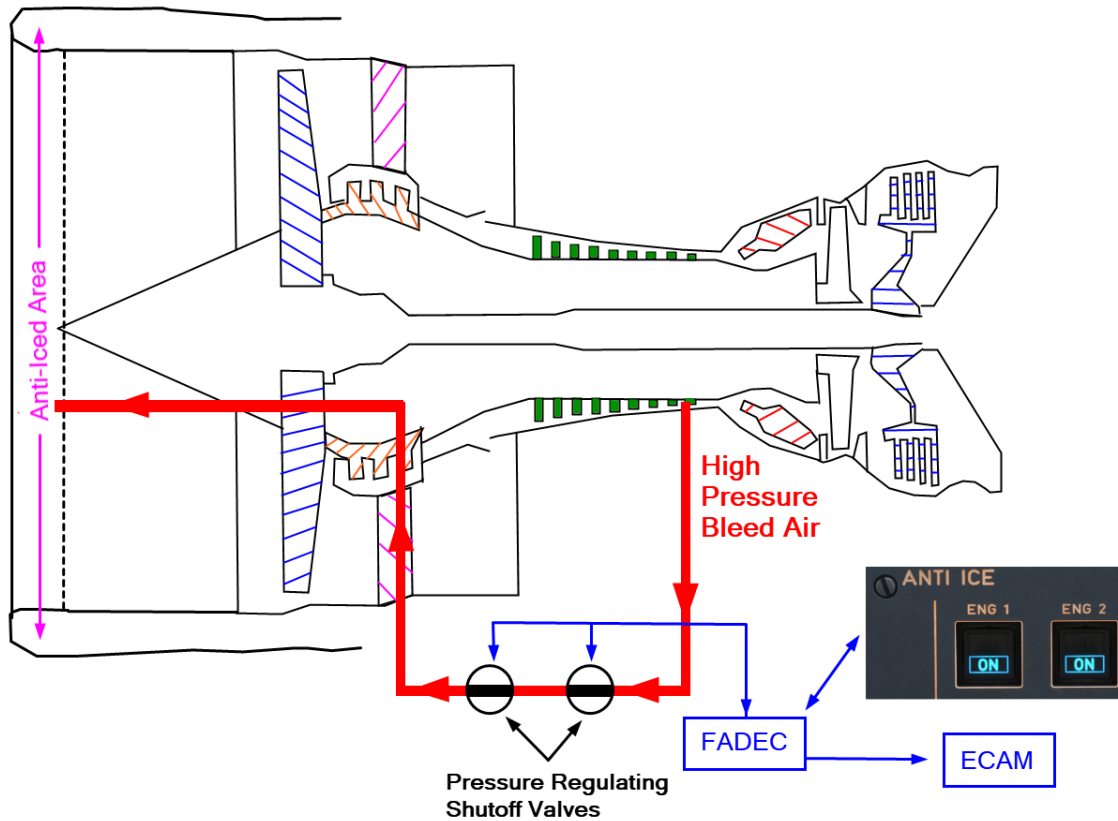


Engine & Wing Anti-Ice

Explanation and overview of the Ice & Rain Protection System of the Airbus A320.

A320 - CFM Engine Anti-Ice System



Engine & Wing Anti-Ice

The ice and rain protection system allows almost unrestricted operation of the aircraft in icing conditions and heavy rain. The aircraft is however not certified for prolonged flights in icing conditions with Slats extended!

Left Side	Protected Surfaces	Right Side
2-Speed windshield Wipers	2 Electrically heated Windshields , each having its own WHC to control and monitor temperature on ground and in flight Electrically heated Air Data Probes Pitot/Static/AoA/TAT 3 independent PHC's to control and monitor CPT, F/O and Standby Probes	2-Speed windshield Wipers
Engine Air Intakes (Nacelles)	<p style="text-align: center; color: red;">Hot Air from Engine HP Compressor</p> Supplied through an electrically controlled Anti-Ice Valve per Engine Selection to ON reduces the N1/EPR limit and increases IDLE N1/EPR)	Engine Air Intakes (Nacelles)
Slats 3-4-5 (Outboard)	<p style="text-align: center; color: red;">Hot Air from Bleed System</p> Supplied through one electrically controlled Anti-Ice Valve per Wing Selection to ON reduces the N1/EPR limit and increases IDLE N1/EPR) With an electrical failure the valves closes!	Slats 3-4-5 (Outboard)

ONLY for Flight-Simulation!