

A320 manual engine start

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How to Start an Airbus A320 Engine

Start Sequence

1. Apply Pre-Start Checks:

- Ensure all necessary switches and valves are set correctly.

2. Open Fuel Valve:

- Turn the Fuel Valve On for the desired engine (1 or 2).

3. Start Sequence:

- Push the Engine Start button for the designated engine.
- The engine will begin to crank.
- Once the engine reaches a certain speed, fuel will be introduced.
- If the engine does not light off within 10 seconds, abort the start and repeat the sequence.

Which Engine Starts First?

In normal operations, the pilot selects which engine to start first (engine 1 or 2). There is no preference or operational advantage to starting one engine before the

other.

Hot Start

A hot start occurs when an engine is started after it has been running and has not fully cooled down. During a hot start, the starter motor has to work harder, which can cause overheating and damage to the engine. Therefore, it is important to allow the engine to cool down before starting it again.

Engine Mode Selector

The ENG mode selector should be set to NORM during a manual engine start once the engine is running and stabilized. This mode allows the engine to be controlled by the Electronic Engine Control (EEC).

Turning on the Power

To turn on the power on an A320, follow these steps:

1. Connect the external power source (if available).
2. Turn the Master Battery switch to ON.
3. Turn the Electrical Power switch to ON.
4. Turn the Essential Power switch to ON.

Starting a Plane Engine in Flight Simulator

In most flight simulators, starting a plane engine involves:

1. Opening the fuel valve.
2. Pressing the starter button.
3. Adjusting the throttle as the engine starts.

Can an A320 Fly with One Engine?

Yes, an A320 can fly with one engine, but with reduced performance and range. The aircraft is designed with redundancy systems to allow for safe operation with one engine inoperative.

Engine 1 and 2 Designation

On the A320, engine 1 is the left engine, and engine 2 is the right engine.

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