

# Aircraft and 11 unexpected secrets that not everyone knows

There are interesting secrets about airplanes that not everyone knows about: what happens if the airplane engine fails while flying or the aircraft is struck by lightning, the safest seat on the plane ...

Aircraft are the means of transportation that we use a lot on long trips. But there are interesting secrets about airplanes that not everyone knows: what happens if the airplane engine fails while flying or the aircraft is struck by lightning, the safest seat on the plane . .

1. Why can airplanes fly in the sky?
2. The safest seat when traveling by car, train, plane
3. Close up of the Boeing 737 aircraft assembly process in 9 days

## 1. Aircraft can withstand thunder



Surely you will be startled to learn that all average American airplanes are hit by lightning at least once a year.

But rest assured, today's modern manufacturing technology can ensure near-absolute security for aircraft against the effects of thunder. Specifically, modern aircraft are equipped with special shells made primarily of a good conductive material that is aluminum. This shell had absolutely no openings, so if lightning struck the plane, the current would only move along the plane of the aircraft without affecting the interior.

## 2. Flight attendants have secret compartments to sleep on airplanes



For long flights, the crew may have to work up to 16 hours. To help them relax and have the best health to serve passengers, some aircraft have their own area with a capacity of 6-10 people. The location where the flight attendants rested on the top of the plane, was quite narrow.

### **3. There is no "safest" seat on the plane**



According to Time's research results, passengers sitting at the end of the plane have a higher survivability if an aircraft accident occurs. But according to the data of the US Aviation Department, if the plane falls, the seat is equally dangerous, but there is no safe seat.

### **4. If the aircraft engine fails, there is another engine available**



A broken airplane engine while in the sky is something that any passenger is worried about. But we can safely use this transport because modern aircraft are all prepared for this incident.

In addition, the flight is designed with careful calculations so that if an engine fails, the aircraft can still fly to the nearest airport with the other engine.

## **5. Why take off and land the lights in the cabin?**



The answer is simple, for safety reasons for passengers. If an emergency situation needs to be evacuated, the reduced cabin light will allow passengers and crew to adapt to the darkness and move faster.

This is also the reason why the window curtain must be opened when the aircraft takes off and lands.

## 6. Why is the food on the plane not delicious?



Many people often blame the quality of the airline's service, but the truth is they are unjust. The reason is that the humidity decreases with the pressure on the plane, which reduces the sensitivity of our taste buds. Studies show that, under such conditions, we lose 30% of our ability to feel sweet and salty.

## 7. Why is there an ashtray in the toilet while smoking is prohibited on the plane?



One of the mandatory rules when flying is not smoking. But in case there is a case, a certain passenger does not comply with the regulations and still stealthily smokes on the toilet. The ashtray was available there, to make sure the cigarette butts were not thrown into the toilet causing a fire.

Anyhow, you should not be foolish but sneak smoking on the plane okay. All toilets on the aircraft have smoke alarms, so if any passenger breaches, they will be fined and banned from flying.

## **8. Why are there holes in the airplane window?**



Aircraft windows are made of 3 different mica layers and they have to bear great pressure due to the temperature difference at different heights. Therefore, small holes in the middle and outer mica panels allow pressure adjustment so that these layers do not break. This small hole also helps to prevent the window of the plane from freezing or condensation.

## **9. Aircraft tires cannot explode when landing**



Internal tire pressure is 6 times higher than normal tire pressure. They can withstand 38 tons of load and use more than 500 landing times at speeds of 280 km / h before they have to be replaced.

## **10. Oxygen mask only works for 15 minutes**



Certainly many people do not know that oxygen masks on airplanes can only last up to 15 minutes.

During flights, passengers will have to use oxygen masks when the pressure in the chamber decreases. And 15 minutes is the amount of time it takes for the plane to descend to where passengers can breathe normally without an oxygen mask.

## **11. Why does the plane leave white streaks when flying?**



Because the airplane engine releases steam into cold air, it causes condensation to form white streaks. This phenomenon is similar to that we can see our breath in cold weather.

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