

118TH CONGRESS  
2D SESSION

# H. R. 8533

To require the Administrator of the Federal Aviation Administration shall update the regulations to issue regulations to phase out the use of bleed air systems in certain aircraft, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

MAY 23, 2024

Mr. FROST (for himself, Mr. GARAMENDI, Mr. LAWLER, Ms. NORTON, Ms. BARRAGÁN, Mr. ROBERT GARCIA of California, Ms. LEE of Pennsylvania, Mr. JACKSON of Illinois, Mr. LIEU, Mrs. WATSON COLEMAN, Mr. GARCÍA of Illinois, Mr. DELUZIO, Mr. SOTO, and Mr. JOHNSON of Georgia) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

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## A BILL

To require the Administrator of the Federal Aviation Administration shall update the regulations to issue regulations to phase out the use of bleed air systems in certain aircraft, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Safe Air on Airplanes  
5 Act”.

1 **SEC. 2. REGULATIONS ON BLEED AIR SYSTEMS IN CERTAIN**  
2 **AIRCRAFT..**

3 (a) REGULATIONS REQUIRED.—Not later than 6  
4 months after the date of enactment of this Act, the Ad-  
5 ministrator of the Federal Aviation Administration shall  
6 update the regulations under part 25 of title 14, Code of  
7 Federal Regulations, and any other applicable regulations,  
8 to—

9 (1) prohibit new type certified turbine and  
10 turbo-prop aircraft designs from using bleed air sys-  
11 tems;

12 (2) require that, beginning on the date that is  
13 7 years after the date of enactment of this Act, any  
14 bleed air system in a newly manufactured aircraft is  
15 fitted with a filter or combination of filter and air  
16 cleaning device designed and demonstrated to re-  
17 move gaseous and particulate components of oil  
18 fumes; and

19 (3) provide for a phase-out of the use of bleed  
20 air systems in the manufacture of existing type de-  
21 signs of turbine and turbo-prop driven aircraft ac-  
22 cording to the following:

23 (A) Not later than 10 years after the date  
24 of enactment of this Act, 25 percent of such  
25 aircraft shall be manufactured without bleed air  
26 systems.

1 (B) Not later than 20 years after the date  
2 of enactment of this Act, 50 percent of such  
3 aircraft shall be manufactured without bleed air  
4 systems.

5 (C) Not later than 30 years after the date  
6 of enactment of this Act, 100 percent of such  
7 aircraft shall be manufactured without bleed air  
8 systems.

9 (b) DEFINITION OF BLEED AIR SYSTEM.—In this  
10 Act, the term “bleed air system” means an air system  
11 that—

12 (1) uses compressed air that is taken from an  
13 aircraft engine, or auxiliary power unite compressor  
14 stage, that is upstream of the combustion chamber  
15 or on a shaft driven by a turbine engine; and

16 (2) provides pressurized air to the aircraft  
17 pneumatic system that passengers or crew could  
18 foreseeably inhale or come in contact with during  
19 the operation of the aircraft for applications includ-  
20 ing ventilation.

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