

**U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

**Airworthiness Directive**

**81-23-03 R2 CESSNA:** Amendment 39-4318 as amended by Amendment 39-4491. Applies to Model P210N (Serial Numbers P21000001 through P21000811) airplanes certificated in any category with 25 or more total hours time-in-service.

COMPLIANCE: Required as indicated unless already accomplished.

To ensure the integrity of the engine exhaust system, accomplish the following:

A) Prior to further flight on all airplanes with 25 hours or more time-in-service unless previously accomplished in accordance with AD 81-23-03:

1. Remove the engine cowl side and front panels and visually inspect the entire engine exhaust system for cracks. The cabin heat shroud does not have to be removed for this inspection.

2. Replace any cracked exhaust system components with serviceable parts.

NOTE: Particular attention should be given to the exhaust system components attached to and between the two forward most (Nr. 5 and Nr. 6) cylinders.

B) Within the next 10 hours time-in-service after the effective date of this AD and at each 50 hours time-in-service thereafter except as required by paragraph B)3:

1. Remove the engine cowl side and front panels as well as the cabin heater muff.

2. Visually inspect the entire engine exhaust system for cracks and bulges in the exhaust stacks, manifold, turbocharger and wastegate assemblies in accordance with Cessna SIL SE82-3.

3. Replace any cracked or bulged exhaust system components with serviceable parts in accordance with Cessna SIL SE82-3. If the exhaust system components have been removed and replaced with serviceable parts, or repaired by welding, reinspect within 25 hours time-in-service and replace or repair cracked or bulged components in accordance with Cessna SIL SE82-3. If no defects are found, the 50-hour inspection interval may be reinstated.

C) Compliance with this AD is not required when complete Inconel Exhaust Systems consisting of Cessna Part Numbers 2154000-53 Left Hand Assembly, 2154000-54 Right Hand Assembly, and 2154000-68 Forward Crossover Assembly are installed.

D) The inspection required by paragraph A)1 of this AD may be accomplished by the holder of at least a private pilot certificate issued under Part 61 of the Federal Aviation Regulations on any airplane owned or operated by that person (provided the airplane is not used in air carrier service). Make the prescribed entry in the aircraft maintenance record appropriate to this inspection.

E) Any equivalent method of compliance with this AD must be approved by the Chief, Wichita Aircraft Certification Office (formerly Aircraft Certification Program), Federal Aviation Administration, Room 238, Terminal Building No. 2299, Mid-Continent Airport, Wichita, Kansas 67209; telephone (316) 269-7000.

Cessna Single-engine Customer Care Service Information Letters SE79-52, Revision 1, dated November 5, 1979, SE81-21, dated May 18, 1981, and SE82-3, dated January 25, 1982, pertain in part to the subject matter of this AD.

Amendment 39-4318 became effective on February 18, 1982, to all persons except those to whom it has already been made effective by airmail letter from the FAA dated October 31, 1981, as corrected by letter dated November 5, 1981.

This amendment 39-4491 becomes effective on November 15, 1982.