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Airworthiness Directive

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Amendment 39-5407; AD 86-19-11

Airworthiness Directives; Cessna Models R172 thru R172K, FR172E thru FR172K, 177 thru 177B and 177RG, F177RG, 185 thru 185E, A185E, A185F, A188, A188A, A188B, T188C, 205 and 205A, 206, U206, U206A thru U206G, TU206A thru TU206G, P206, P206A thru P206E, TP206A thru TP206E, 207 and 207A, T207 and T207A, 210B thru 210R, T210F thru T210R, P210N and P210R Airplanes

PDF Copy (If Available):

▼ Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective October 4, 1986.

▼ Regulatory Information

86-19-11 CESSNA: Amendment 39-5407. Applies to Models R172 thru R172K, FR172E thru FR172K, 177 thru 177B and 177RG, F177RG, 185 thru 185E, A185E, A185F, A188, A188A, A188B, T188C, 205 and 205A, 206, U206, U206A thru U206G, TU206A thru TU206G, P206, P206A thru P206E, TP206A thru TP206E, 207 and 207A, T207 and T207A, 210B thru 210R, T210F thru T210R, P210N and P210R (all Serial Numbers (S/N)) airplanes equipped with fuel

reservoir(s) certified in any category.

Compliance: Within 100 hours time-in-service or at the next annual inspection, whichever comes first after the effective date of this AD, unless already accomplished.

To eliminate the possibility of engine power reduction due to contaminated fuel, accomplish the following:

(a) On Cessna Models R172, R172E thru R172H, (S/Ns R172-0001 thru R1720625) FR172E thru FR172J (S/Ns FR17200001 thru FR17200530) 177 thru 177A (S/Ns 17700001 thru 17702123) Model 177RG (S/Ns 177RG0001 thru 177RG0592) F177RG (S/Ns F177RG0001 thru F177RG0122) 210G and T210G thru 210L and T210L (S/Ns 21058819 thru 21060539 and T210-0198 thru T2100454) airplanes, install quick drains in the fuel reservoirs and wing fuel tanks if not presently equipped in accordance with Cessna Single Engine Customer Care Service Information Letters SE79-45 dated September 10, 1979, and SE84-8 dated March 16, 1984, or using equivalent aircraft standard hardware.

(b) On all Cessna Models R172, R172E, R172F, R172G, R172H, R172J, R172K, (S/Ns R172-0001 thru R172-0409 and R1720410 and on) FR172E, FR172F, FR172G, FR172H, FR172J, FR172K (S/Ns FR17200001 thru FR17200675) 177, 177A, 177B (S/Ns 17700001 and on), 177RG (S/Ns 177RG0001 and on) F177RG (S/Ns F177RG0001 thru F177RG0177) 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F (S/Ns 632, 185-0001 thru 185-1599, 18501600 and on) A188 (S/Ns 653, 188-0001 thru 188-0572) A188A (S/Ns 18800573 thru 18800832) A188B (S/Ns 678T, 18800833 and on) T188C (S/Ns T18803307T, T18803308T, T18803325T and on) 205, 205A, (S/Ns 205-0001 and on) 206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G ((S/Ns 206-0001 thru 206-0275, U206-0276 and on) P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, (S/Ns P206-0001 thru P20600647) 207, 207A, T207, T207A (S/Ns 20700001 and on) 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, 210R, T210F, T210G, T210H, T210J, T210K, T210L, T210M, T210N, T210R (S/Ns 21057841 and on) P210N and P210R (S/Ns P21000001 and on) airplanes, attach the information that is included in the appendix to this AD (entitled PILOT OPERATING PROCEDURES - PREFLIGHT FUEL SYSTEM CHECK) to the airplane documents.

(c) An equivalent means of compliance with this AD may be used if approved by the Manager, Aircraft Certification Office, FAA, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209.

All persons affected by this directive may obtain copies of the document(s) referred to herein upon request to Cessna Aircraft Company, Piston Aircraft Marketing Division, Post Office Box 1521, Wichita, Kansas, 67201; or FAA, Office of the Regional Counsel, Room 1558, 601 East 12th Street, Kansas City, Missouri 64106.

This amendment becomes effective October 4, 1986.

APPENDIX 86-19-11

PILOT OPERATING PROCEDURES-PREFLIGHT FUEL SYSTEM CHECK

Fuel sampling: Fuel strainer, wing tank and reservoir quick drains.

1. Place a suitable container under the fuel strainer drain outlet prior to operating the strainer drain control for at least 4 seconds. Check strainer drain closed.
2. Inspect the fluid drained from the fuel strainer and each wing tank quick drain for evidence of fuel contamination in the form of water, rust, sludge, ice or any other substance not compatible with fuel. Also check for proper fuel grade before the first flight of each day and after each refueling. If any contamination is detected, comply with 4 below.
3. Repeat Steps 1 and 2 on each wing tank quick drain.
4. If the airplane has been exposed to rain, sleet or snow, or if the wing fuel tanks or fuel strainer drains produce water, the fuel reservoir(s) must be checked for the presence of water by operating the fuel reservoir quick drains. The airplane fuel system must be purged to the extent necessary to insure that there is no water, ice or other fuel contamination.

NOTE 1: The fuel reservoir(s) are located under the fuselage between the firewall and forward door post on all airplane models. Consult the pilots Operating Handbook or Owners Manual in order to determine if one or two reservoir(s) are installed.

NOTE 2: A check for the presence of water using the fuel reservoir quick drains prior to the first flight of each day is considered good operating practice.

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