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Airworthiness Directive

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Amendment 39-4564; AD 82-27-02 R1

McCAULEY ACCESSORY DIVISION Models C200, C300, and C400 Series
Propellers

PDF Copy (If Available):

▼ Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective February 22, 1983.

▼ Regulatory Information

82-27-02 R1 McCAULEY ACCESSORY DIVISION: Amendment 39-4521 as amended by Amendment 39-4564. Applies to the following McCauley Accessory Division C200, C300, and C400 series constant speed propellers with blade serial numbers as identified below that are installed on, but not limited to, the aircraft listed below:

AIRCRAFT	PROPELLER MODEL/BLADE MODEL
Cessna R172K	2A34C203/90DCA-10 or 90DCA-14
Cessna 172RG	B2D34C220/80VHA-3.5
Cessna 177RG	B2D34C207/78TCA-0

Cessna 180G-J	2A34C201/90DA-8
Cessna 180G-J	2A34C203/90DCA-2 or 90DCA-8
Cessna 180K	C2A34C204/90DCB-8
Cessna 182M-P	2A34C201/90DA-8
Cessna 182M-P	2A34C203/90DCA-8
Cessna 182Q	C2A34C204/90DCB-8
Cessna R182 (pre-1980)	B2D34C214/90DHB-8
Cessna R182 (1980-on)	B2D34C218/90DHB-8
Cessna TR182 (pre-1980)	B2D34C217/90DHB-8
Cessna TR182 (1980-on)	B2D34C219/90DHB-8
Cessna T182	B2D34C219/90DHB-8
Cessna A185F	D3A34C403/80VA-0
Cessna T188C	D3A34C402/90DFA-10
Cessna TU206G	D3A34C402/90DFA-10
Cessna U206G	D3A34C404/80VA-0
Cessna 207A	D3A34C404/80VA-0
Cessna T207A	D3A34C401/90DFA-10
Cessna P210N:T210M,N	D3A34C402/90DFA-10
Cessna 210N	D3A34C404/80VA-0
Cessna T337G,H:P337H	D2AF34C308/90DEA-12
Cessna 337G,H	D2AF34C310/90DEA-12
Mooney M20J (201)	B2D34C214/90DHB-16E
Mooney M20K (231)	2A34C216/90DHB-16E
Reims FR172K	2A34C203/90DCA-14
Reims F177RG	B2D34C207/78TCA-0
Reims F182P	2A34C201/90DA-8
Reims F182P	2A34C203/90DCA-8
Reims F182Q	C2A34C204/90DCB-8
Reims FR182 (pre-1980)	B2D34C214/90DHB-8
Reims FR182 (1980-on)	B2D34C218/90DHB-8
Reims F337G	D2AF34C310/90DEA-12
Reims FT337GP	D2AF34C308/90DEA-12

APPLICABLE BLADE SERIAL NUMBERS	
SERIAL NUMBER	BLADE TYPE
B117210 thru B117249	90DEA-12 and 90DA-8
B117290 thru B117329	90DCB-8
B117410 thru B117529	90DHB-16E and 78TCA-0

B117610 thru B117649	90DCB-8
B117730 thru B117769	90DHB-8 and 78TCA-0
B117890 thru B117969	90DCB-8
B118090 thru B118169	90DHB-8
B118254 thru B118369	90DHB-8
B119170 thru B119249	90DHB-16E and 90DHB-8
B119290 thru B119449	90DCA-2, 90DCA-8, 90DCA-10, and 90DCA- 14
B119450 thru B119489	90DA-8
B119490 thru B119529	90DEA-12
B120345 thru B120364	90DCA-14
B120485 thru B120524	90DEA-12
B120667 thru B120686	90DCA-10
B120687 thru B120929	90DHB-16E
B121063 thru B121262	90DCB-8 and 90DHB-16E
B121450 thru B121489	90DCB-8
B121690 thru B121969	90DHB-8
B121970 thru B122049	90DCA-14
B122050 thru B122089	90DCA-8
B122090 thru B122129	90DHB-16E
B126956 thru B126979	90DFA-10
BC 551 thru BC638	80VA-0
BC 719 thru BC750	80VA-0
BC752 thru BC790	80VA-0
BC815 thru BC839	80VA-0
BC893 thru BC908	80VA-0
BC910 thru BC919	80VA-0
BC951 thru BC974	80VA-0
BC991 thru BC1030	80VA-0
BK321 thru BK362	80VA-0
BK371 thru BK400	80VA-0
BK441 thru BK460	80VA-0
BK481 thru BK560	80VA-0
BI001 thru BI200	80VHA-3.5
BJ081 thru BJ160	80VA-0
BJ181 thru BJ200	80VA-0
BJ253 thru BJ260	80VA-0
BJ262 thru BJ280	80VA-0
BJ282 thru BJ320	80VA-0

NOTE: McCauley Accessory Division Service Bulletin 146 provides additional background information for identifying propeller applicability.

Compliance required, within the next 10 hours time in service after the effective date of this AD, unless already accomplished.

To prevent possible propeller blade shank failure, accomplish the following:

(a) Dye penetrant inspect the blade shank area for cracks or forging "folds" in accordance with McCauley Accessory Division Service Bulletin SB146 dated December 3, 1982, or FAA approved equivalent. Extreme caution must be exercised when removing paint and blade anodize to prevent corrosive liquids from entering the propeller hub. If evidence of cracks or forging "folds" is found replace the blade with a serviceable blade before further flight.

(b) A special flight permit may be issued in accordance with Federal Aviation Regulations (FARs) 21.197 and 21.199 to operate the aircraft to a base where this AD can be accomplished.

(c) Upon request of the operator, an equivalent means of compliance with the requirements of this AD may be approved by the Manager, Chicago Aircraft Certification Office, FAA, 2300 East Devon Avenue, Des Plaines, Illinois 60018.

Amendment 39-4521 became effective December 30, 1982.

This Amendment 39-4564 becomes effective February 22, 1983.

▼ Footer Information

▼ Comments

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