

中国民用航空总局



CIVIL AVIATION  
ADMINISTRATION OF CHINA

CAAC  
适航指令

AIRWORTHINESS DIRECTIVE

本指令根据中国民用航空规章《民用航空器适航指令规定》(CCAR-39)颁发，内容涉及飞行安全，是强制性措施。如不按规定完成，有关航空器将不再适航。

编号：CAD2003-C172-01

修正案号：39-4264

一. 标题： 升级 KAP 140 自动驾驶计算机系统

二. 适用范围：

飞机型号及序号在以下表1中，并且安装有件号为(P/N)  
065-00176-2602, P/N 065-00176-5402或P/N 065-00176-7702的KAP  
140自动驾驶计算机系统。

表1

型号	序号
172R	17280001至17281073, 17281075至17281127, 17281130
172S	172S8001至172S9195, 172S9197, 172S9198, 172S9200至 172S9203
182S	18280001至18280944
182T	18280945至18281064, 18281067至18281145, 18281147至 18281163, 18281165至18281167, 18281172
T182T	T18208001至T18208109, T18208111至T18208177

206H 20608001至20608183, 20608185, 20608187, 20608188

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T206H T20608001至T20608039, T20608041至T20608367, T20608269  
至T20608379, T20608381, T20608382, T20608385

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### 三. 参考文件:

FAA AD 2003-24-13

### 四. 原因、措施和规定

为防止KAP 140自动驾驶系统被不正确接通, 这可能导致飞行员执行错误的动作, 要求完成本指令所附FAA AD 2003-24-13, 除非已事先完成。

完成本指令可采取能保证安全的替代方法或调整完成的时间, 但必须得到适航当局的批准。

附件: FAA AD 2003-24-13

2003-24-13 Cessna Aircraft Company: Amendment 39-13382; Docket No. 2003-CE-28-AD.

When Does This AD Become Effective?

(a) This AD becomes effective on January 20, 2004.

What Other ADs Are Affected by This Action?

(b) None.

What Airplanes Are Affected by This AD?

(c) This AD affects the following airplane models and serial numbers that are:

(1) equipped with a KAP 140 autopilot computer system, part

number (P/N) 065-00176-2602, P/N 065-00176-5402, or P/N 065-00176-7702; and

(2) certificated in any category;

Model	Serial No
172R	17280001至17281073, 17281075至17281127, 17281130
172S	172S8001至172S9195, 172S9197, 172S9198, 172S9200至172S9203
182S	18280001至18280944
182T	18280945至18281064, 18281067至18281145, 18281147至18281163, 18281165至18281167, 18281172
T182T	T18208001至T18208109, T18208111至T18208177
206H	20608001至20608183, 20608185, 20608187, 20608188
T206H	T20608001至T20608039, T20608041至T20608367, T20608269至T20608379, T20608381, T20608382, T20608385

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of reports of inadvertent and undetected engagement of the autopilot system. The actions specified in this AD are intended to prevent unintentionally engaging the KAP 140 autopilot computer system, which could cause the pilot to take inappropriate actions.

What Must I Do To Address This Problem?

(e) To address this problem, you must do the following:

## Actions Compliance Procedures

(1)

### Actions:

Install and update the KC 140 autopilot computer system operating software.

### Compliance:

Within the next 100 hours time-in-service (TIS) after January 20, 2004 (the effective date of this AD), unless already done.

### Procedures:

Follow Honeywell Service Bulletin No: KC 140-M1, dated August 2002, as specified in Cessna Service Bulletin SB02-22-01, dated November 25, 2002.

(2)

### Actions:

Do the following:

(i) Change the unit part number by attaching flavor sticker, part number (P/N) 057-02203-0003, on the unit's serial tag;

(ii) Attach an M decal, P/N 057-02984-0501, in front of the unit serial number (this indicates that the unit's P/N has been changed); and

(iii) Attach a software mod tag, P/N 057-05287-0301, in place of the old tag to indicate the software change to SW MOD 03/01.

### Compliance:

Prior to further flight after installing the update to the KC 140 autopilot computer system operating software, unless already done.

### Procedures:

Follow Honeywell Service Bulletin No: KC 140-M1, dated August 2002, as specified in Cessna Service Bulletin SB02-22-01, dated November 25, 2002.

(3)

### Actions:

Only install KC 140 autopilot computer systems, P/Ns

065-00176-2602, 065-00176-5402, and 065-00176-7702, that have been modified as specified in paragraphs (d) (1) and (d) (2) of this AD).

Compliance:

As of January 20, 2004 (the effective date of this AD.

Procedures:

Not applicable.

(f) You may request a revised flight manual supplement from Cessna or Honeywell at the address specified in paragraph (h) of this AD.

May I Request an Alternative Method of Compliance?

(g) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.13. Send your request to the Manager, Wichita Aircraft Certification Office (ACO), FAA. For information on any already approved alternative methods of compliance, contact Dan Withers, Aerospace Engineer, Wichita Aircraft Certification Office, FAA, 1801 Airport Road, Wichita, Kansas 67209; telephone: (316) 946-4196; facsimile: (316) 946-4107.

Does This AD Incorporate Any Material by Reference?

(h) You must do the actions required by this AD per Honeywell Service Bulletin No: KC 140-M1, dated August 2002, as specified in Cessna Service Bulletin SB02-22-01, dated November 25, 2002. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You may get a copy from Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277; telephone: (316) 517-5800; facsimile: (316) 942-9006 and Honeywell, Business, Regional, and General Aviation, 23500 W. 105th Street, Olathe, Kansas 66061. You may review copies at FAA,

Central Region, Office of the Regional Counsel, 901 Locust, Room 506, Kansas City, Missouri 64106; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

Footer Information

Issued in Kansas City, Missouri, on November 25, 2003.

Michael Gallagher,

Manager, Small Airplane Directorate,

Aircraft Certification Service.

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