

2010-07-02 Honeywell, Inc.: Amendment 39-16246. Docket No. FAA-2008- 0556; Directorate Identifier 2007-NM-028-AD.

Effective Date

(a) This AD becomes effective May 3, 2010.

Affected ADs

(b) This AD supersedes AD 2006-22-05, Amendment 39-14802.

Applicability

(c) This AD applies to various aircraft, certificated in any category, equipped with any Honeywell Primus II RNZ-850()/-851() integrated navigation units (INUs) identified in a service bulletin identified in Table 1 of this AD. The aircraft include, but are not limited to, BAE Systems (Operations) Limited (Jetstream) Model 4101 airplanes; Bombardier Model BD-700-1A10 airplanes; Bombardier Model CL-215-6B11 (CL-415 variant) airplanes; Cessna Model 560, 560XL, and 650 airplanes; Dassault-Aviation Model Mystere-Falcon 50 airplanes; 328 Support Services GmbH (Dornier) Model 328-100 and -300 airplanes; Empresa Brasileira de Aeronautica S.A. (EMBRAER) Model EMB-135 airplanes and Model EMB-145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP airplanes; Learjet Model 45 airplanes; Hawker Beechcraft Corporation Model Hawker 800XP and Hawker 1000 airplanes; and Sikorsky Model S-76A, S-76B, and S-76C aircraft.

Table 1--Service Bulletins Affected by This AD

INUs listed in Honeywell –	Revision –	Dated –
(1) Alert Service Bulletin 7510134-34-A0016	001	March 4, 2003
(2) Alert Service Bulletin 7510134-34-A0017	Original	July 11, 2003
(3) Service Bulletin 7510134-34-0018	Original	July 8, 2004
(4) Alert Service Bulletin 7510100-34-A0034	Original	February 28, 2003
(5) Alert Service Bulletin 7510100-34-A0035	Original	July 11, 2003
(6) Service Bulletin 7510100-34-0037	Original	July 8, 2004

Note 1: This AD applies to Honeywell Primus II RNZ-850()/-851() INUs installed on any aircraft, regardless of whether the aircraft has been otherwise modified, altered, or repaired in the area subject to the requirements of this AD. For aircraft that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (o) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Unsafe Condition

(d) This AD results from reports indicating that erroneous localizer and glideslope indications have occurred on certain aircraft equipped with the subject INUs. We are issuing this AD to ensure that the flightcrew has accurate localizer and glideslope deviation indications. An erroneous localizer or glideslope deviation indication could lead to the aircraft making an approach off the localizer, which could result in impact with an obstacle or terrain.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Restatement of Certain Requirements of AD 2006-22-05

Compliance Time for Action

(f) For any INU identified in Table 2 of this AD: Within 5 days after March 11, 2003 (the effective date of AD 2003-04-06, Amendment 39-13054, which was superseded by AD 2006-22-05), accomplish the requirements of either paragraph (g) or (h) of this AD. After December 1, 2006 (the effective date of AD 2006-22-05), only accomplishing the requirements of paragraph (g) of this AD is acceptable for compliance with this paragraph.

Table 2--INUs Identified in AD 2006-22-05

P/N 7510100-811 through 7510100-814 inclusive
P/N 7510100-831 through 7510100-834 inclusive
P/N 7510100-901 through 7510100-904 inclusive
P/N 7510100-911 through 7510100-914 inclusive
P/N 7510100-921 through 7510100-924 inclusive
P/N 7510100-931 through 7510100-934 inclusive

Inspection To Determine Part Number

(g) For any INU identified in Table 2 of this AD: Perform a one- time general visual inspection of the modification plate for the Honeywell Primus II NV-850 Navigation Receiver Module (NRM); part number 7510134-811, -831, -901, or -931; which is part of the Honeywell Primus II RNZ-850()/-851() INU; to determine if Mod L has been installed. The modification plate is located on the bottom of the Honeywell Primus II RNZ-850()/-851() INU, is labeled NV- 850, and contains the part number and serial number for the Honeywell Primus II NV-850 NRM. If Mod T is installed, the letter will be blacked out. The Honeywell service bulletins listed in Table 1 of this AD are acceptable sources of service information for the inspection required by this paragraph.

(1) If Mod L is installed, before further flight, do paragraph (h) or (j) of this AD. After December 1, 2006, only accomplishment of paragraph (j) is acceptable for compliance with this paragraph.

Note 2: For the purposes of this AD, a general visual inspection is defined as: "A visual examination of an interior or exterior area, installation, or assembly to detect obvious damage, failure, or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to enhance visual access to all exposed surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight, or droplight and may require removal or opening of access panels or doors. Stands, ladders, or platforms may be required to gain proximity to the area being checked."

Aircraft Flight Manual (AFM) Revision

(h) For aircraft having an INU identified in Table 2 of this AD: Revise the Limitations section of the AFM to include the following statements (which may be accomplished by inserting a copy of the AD into the AFM):

"FLIGHT LIMITATIONS

When crossing the Outer Marker on glideslope, the altitude must be verified with the value on the published procedure.

For aircraft with a single operating glideslope receiver, the approach may be flown using normal procedures no lower than Localizer Only Minimum Descent Altitude (MDA).

For aircraft with two operating glideslope receivers, the aircraft may be flown to the published minimums for the approach using normal procedures if both glideslope receivers are tuned to the approach and both crew members are monitoring the approach using independent data and displays."

Parts Installation

(i) For aircraft having an INU identified in Table 2 of this AD: As of March 11, 2003, no person may install a Honeywell Primus II NV-850 NRM on which Mod L has been installed, on the Honeywell Primus II RNZ-850()/-851() INU of any aircraft, unless paragraph (h) or (j) of this AD is accomplished. As of December 1, 2006, only accomplishment of paragraph (j) is acceptable for compliance with this paragraph.

Inspection To Determine Modification Level of NRM

(j) For any INU identified in Table 2 of this AD on which Mod L was found to be installed during the inspection required by paragraph (g) of this AD, or for aircraft on which paragraph (h) of this AD was accomplished: Within 30 months after December 1, 2006, do an inspection of the modification plate on the Honeywell Primus II NV-850 NRM; part number 7510134-811, -831, -901, or -931; which is part of the Honeywell Primus II RNZ-850()/-851() INU; to determine if Mod L, N, P, R, or T is installed. The modification plate located on the bottom of the Honeywell Primus II RNZ-850()/- 851() INU is labeled NV-850, and contains the part number and serial number for the Honeywell Primus II NV-850 NRM. If Mod L, N, P, R, or T is installed, the corresponding letter on the modification plate will be blacked out. Honeywell Alert Service Bulletin 7510100-34-A0035, dated July 11, 2003; and Honeywell Service Bulletin 7510100-34-0037, dated July 8, 2004; are acceptable sources of service information for this inspection. If Mod L, N, P, or R is installed (which relates to the glide slope fix), within 30 months after December 1, 2006, do all applicable related investigative, corrective, and other

specified actions, in accordance with the Accomplishment Instructions of Honeywell Alert Service Bulletin 7510100-34-A0035, dated July 11, 2003; and if Mod T is not installed (which relates to the localizer fix), within 30 months after December 1, 2006, do all applicable related investigative, corrective, and other specified actions, in accordance with the Accomplishment Instructions of Honeywell Service Bulletin 7510100-34-0037, dated July 8, 2004; to ensure that the NRM is at the Mod T configuration. Once the actions in this paragraph are completed, the AFM revision required by paragraph (h) of this AD may be removed from the AFM.

(k) If the inspection specified in paragraph (j) of this AD is done within the compliance time specified in paragraph (f) of this AD, paragraph (g) of this AD does not need to be done.

New Requirements of This AD

Inspection To Determine Mod Level

(l) For any INU that is not identified in Table 2 of this AD: Within 30 months after the effective date of this AD, perform a one-time general visual inspection of the modification plate for the Honeywell Primus II NV-850 Navigation Receiver Module (NRM); part number 7510134-611, -631, -701, -731, 811, -831, -901, or -931; which is part of the Honeywell Primus II RNZ-850()/851() INU; to determine whether Mod L, N, P, R, or T is installed. The modification plate located on the bottom of the Honeywell Primus II RNZ-850()/851() INU is labeled NV-850, and contains the part number and serial number for the Honeywell Primus II NV-850 NRM. If Mod L, N, P, R, or T is installed, the corresponding letter on the modification plate will be blacked out. Honeywell Alert Service Bulletin 7510100-34-A0035, dated July 11, 2003; and Honeywell Service Bulletin 7510100-34-0037, dated July 8, 2004; are acceptable sources of service information for this inspection.

(1) If the NRM is part number 7510134-611, -631, -701, or -731, and has Mod T installed: No further action is required by this paragraph.

(2) If the NRM is part number 7510134-611, -631, -701, or -731, and Mod T is not installed, within 30 months after the effective date of this AD: Do all applicable related investigative, corrective, and other specified actions, in accordance with the accomplishment Instructions of Honeywell Service Bulletin 7510100-34-0037, dated July 8, 2004; to ensure that the NRM is at the Mod T configuration.

(3) If the NRM is part number 7510134-811, -831, -901, or -931: Within 30 months after the effective date of this AD, do all applicable related investigative, corrective, and other specified actions, in accordance with the Accomplishment Instructions of Honeywell Alert Service Bulletin 7510100-34-A0035, dated July 11, 2003; and Honeywell Service Bulletin 7510100-34-0037, dated July 8, 2004; to ensure that the NRM part number has been updated to 7510134-611, -631, -701, -731 configuration and Mod T has been installed.

Parts Installation

(m) As of the effective date of this AD, no person may install a Honeywell Primus II RNZ-850()/851() INU that contains a NV-850 NRM part number 7510134-811, -831, -901, or -931; or part number 7510134-611, -631, -701, or -731, that does not have Mod T installed, unless paragraph (l) is accomplished.

No Report

(n) Where Honeywell Alert Service Bulletin 7510100-34-A0035, dated July 11, 2003 (or any of the related service information referenced therein), specifies to submit certain information to the manufacturer, this AD does not include that requirement.

Alternative Methods of Compliance (AMOCs)

(o)(1) The Manager, Los Angeles Aircraft Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Daniel Bui, Aerospace Engineer, Systems and Equipment Branch, ANM-130L, FAA, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California 90712-4137; telephone (562) 627-5339; fax (562) 627-5210.

(2) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Before using any approved AMOC on any airplane to which the AMOC applies, notify your principal maintenance inspector (PMI) or principal avionics inspector (PAI), as appropriate, or lacking a principal inspector, your local Flight Standards District Office. The AMOC approval letter must specifically reference this AD.

Material Incorporated by Reference

(p) You must use the service information contained in Table 3 of this AD, as applicable, to do the actions required by this AD, unless the AD specifies otherwise. (Only the first page of these documents specifies the revision level of the document; no other page contains this information.)

Table 3--All Material Incorporated by Reference

Honeywell	Revision	Dated
Alert Service Bulletin 7510134-34-A0016	001	March 4, 2003
Alert Service Bulletin 7510134-34-A0017	Original	July 11, 2003
Alert Service Bulletin 7510100-34-A0034	Original	February 28, 2003
Alert Service Bulletin 7510100-34-A0035	Original	July 11, 2003
Service Bulletin 7510100-34-0037	Original	July 8, 2004
Service Bulletin 7510134-34-0018	Original	July 8, 2004

(1) The Director of the Federal Register approved the incorporation by reference of the service information contained in Table 4 of this AD under 5 U.S.C. 552(a) and 1 CFR part 51.

Table 4--New Material Incorporated by Reference

Honeywell	Revision	Dated
Alert Service Bulletin 7510134-34-A0016	001	March 4, 2003
Alert Service Bulletin 7510134-34-A0017	Original	July 11, 2003
Alert Service Bulletin 7510100-34-A0034	Original	February 28, 2003
Service Bulletin 7510134-34-0018	Original	July 8, 2004

(2) The Director of the Federal Register previously approved the incorporation by reference of Honeywell Alert Service Bulletin 7510100-34-A0035, dated July 11, 2003; and Honeywell Service Bulletin 7510100-34-0037, dated July 8, 2004; on December 1, 2006 (71 FR 62907, October 27, 2006).

(3) For service information identified in this AD, contact Honeywell Technical Operations Center, 1944 East Sky Harbor Circle, Phoenix, AZ 85034-3442; telephone (US & Canada) 800-601-3099, (International) 602-365-3099; Internet <http://www.honeywell.com>.

(4) You may review copies of the service information at the Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may also review copies of the service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.