

(1) The incorporation by reference of Honeywell Alert Service Bulletin 109XXXX-30-38, dated August 8, 2002, was approved previously by the Director of the Federal Register as of November 8, 2002 (67 FR 65298, October 24, 2002).

(2) The incorporation by reference of McDonnell Douglas Service Bulletin 30-59, dated September 18, 1989; McDonnell Douglas Service Bulletin 30-59, Revision 1, dated January 5, 1990; and McDonnell Douglas Service Bulletin 30-59, Revision 2, dated August 15, 1990; was approved previously by the Director of the Federal Register as of January 17, 1992 (57 FR 2014, January 17, 1992).

(3) The incorporation by reference of the remaining service bulletins listed in Table 1 of this AD, was approved previously by the Director of the Federal Register as of May 7, 2001 (66 FR 17499, April 2, 2001).

(4) Copies may be obtained from Boeing Commercial Aircraft Group, Long Beach Division, 3855 Lakewood Boulevard, Long Beach, California 90846, Attention: Data and Service Management, Dept. C1-L5A (D800-0024). Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the FAA, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

#### Effective Date

(o) The effective date of this amendment remains November 8, 2002.

Issued in Renton, Washington, on December 23, 2002.

#### Vi L. Lipski,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 02-32881 Filed 12-31-02; 8:45 am]

BILLING CODE 4910-13-U

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 2002-NM-271-AD; Amendment 39-12970; AD 2002-24-05]

RIN 2120-AA64

#### Airworthiness Directives; Boeing Model 727 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule; correction.

**SUMMARY:** This document corrects a typographical error that appeared in airworthiness directive (AD) 2002-24-05 that was published in the **Federal Register** on December 3, 2002 (67 FR 71808). The typographical error resulted in identification of certain airplanes in the applicability of the AD as having serial numbers instead of line numbers.

This AD is applicable to certain Boeing Model 727 series airplanes. This AD requires detailed inspections to detect cracking and corrosion of the upper chord of the rear spar of the wing; and repair, if necessary. This action also requires detailed inspections to detect and permanently repair any cracking that has been previously repaired by stop-drilling.

**DATES:** Effective December 18, 2002.

**FOR FURTHER INFORMATION CONTACT:** Ivan Li, Aerospace Engineer, Airframe Branch, ANM-120S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington, 98055-4056; telephone (425) 227-2131; fax (425) 227-1181.

#### SUPPLEMENTARY INFORMATION:

Airworthiness Directive (AD) 2002-24-05, amendment 39-12970, applicable to certain Boeing Model 727 series airplanes, was published in the **Federal Register** on December 3, 2002 (67 FR 71808). That AD requires detailed inspections to detect cracking and corrosion of the upper chord of the rear spar of the wing; and repair, if necessary. That AD also requires detailed inspections to detect and permanently repair any cracking that has been previously repaired by stop-drilling.

As published, the applicability section of the AD specifies, "Model 727 series airplanes, serial numbers 1 through 1832 inclusive; certificated in any category." Identification of the airplanes was inadvertently specified as "serial numbers 1 through 1832 inclusive." The correct identification is "line numbers 1 through 1832 inclusive."

Since no other part of the regulatory information has been changed, the final rule is not being republished in the **Federal Register**.

The effective of this AD remains December 18, 2002.

#### § 39.13 [Corrected]

On page 71809, in the third column, "Applicability" of AD 2002-24-05 is corrected to read as follows:

\* \* \* \* \*

"*Applicability:* Model 727 series airplanes, line numbers 1 through 1832 inclusive; certificated in any category."

\* \* \* \* \*

Issued in Renton, Washington, on December 23, 2002.

#### Vi L. Lipski,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 02-32882 Filed 12-31-02; 8:45 am]

BILLING CODE 4910-13-U

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 2002-NM-309-AD; Amendment 39-12992; AD 2002-24-51]

RIN 2120-AA64

#### Airworthiness Directives; Boeing Model 737-600, -700, -700C, -800, and -900 Series Airplanes; Model 747 Series Airplanes; and Model 757 Series Airplanes

AGENCY: Federal Aviation Administration, (DOT).

ACTION: Final rule; request for comments.

**SUMMARY:** This document publishes in the **Federal Register** an amendment adopting airworthiness directive (AD) 2002-24-51 that was sent previously to all known U.S. owners and operators of the airplane models described previously by individual notices. This AD requires revising the Airplane Flight Manual to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks and, for certain airplanes, to prohibit the use of the horizontal stabilizer fuel tank and the certain center auxiliary fuel tanks. This action is prompted by reports indicating that two fuel tank pumps showed evidence of extreme localized overheating of parts in the priming and vapor pump section of the fuel pump; such overheating provides an ignition source in the fuel tank during dry running of the pump, which could result in fire/explosion of the fuel tank. The actions specified by this AD are intended to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks and, for certain airplanes and, for certain airplanes to prohibit the use of the horizontal stabilizer fuel tank and certain center auxiliary fuel tanks.

**DATES:** Effective January 7, 2003, to all persons except those persons to whom it was made immediately effective by emergency AD 2002-24-51, issued November 23, 2002, which contained the requirements of this amendment.

Comments for inclusion in the Rules Docket must be received on or before March 3, 2003.

**ADDRESSES:** Submit comments in triplicate to the Federal Aviation Administration (FAA), Transport Airplane Directorate, ANM-114, Attention: Rules Docket No. 2002-NM-309-AD, 1601 Lind Avenue, SW., Renton, Washington 98055-4056. Comments may be inspected at this

location between 9 a.m. and 3 p.m., Monday through Friday, except Federal holidays. Comments may be submitted via fax to (425) 227-1232. Comments may also be sent via the Internet using the following address: *9-anm-iarcomment@faa.gov*. Comments sent via fax or the Internet must contain "Docket No. 2002-NM-309-AD" in the subject line and need not be submitted in triplicate. Comments sent via the Internet as attached electronic files must be formatted in Microsoft Word 97 for Windows or ASCII text.

Information pertaining to this amendment may be examined at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

**FOR FURTHER INFORMATION CONTACT:** Bernie Gonzalez, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-2682; fax (425) 227-1181.

**SUPPLEMENTARY INFORMATION:** On November 23, 2002, the FAA issued emergency AD 2002-24-51, which is applicable to all Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes; Model 747 series airplanes; and Model 757 series airplanes.

The FAA has received reports indicating that two fuel tank pumps from different Model 747 series airplanes showed evidence of extreme localized overheating of parts in the priming and vapor pump section of the fuel pump. The priming and vapor pump section of the pump is open to the fuel tank via the pump inlet line and the vapor vent of the pump. The cause of this overheating is believed to be friction between the pump parts; however, the specific cause of the friction is unknown at this time.

One of the two pumps was an override/jettison pump of the inboard main tank. The pump had been removed so that X-ray inspections specified in AD 2002-19-52, amendment 39-12900 (67 FR 61253, September 30, 2002), could be performed. The pump had been installed on the airplane for 6,000 flight hours. Since scoring was found on the inducer housing of the pump, the pump was disassembled, at which time evidence of severe overheating of the priming and vapor pump section was found. The Stellite (cobalt/chrome/nickel/iron alloy) end plates of the priming and vapor section of the pump were blued and cracked from thermal stress, and the steel pump shaft in that same area was also blued. According to

the pump manufacturer, bluing of the steel and/or Stellite materials is evidence of temperatures in excess of 1,100 degrees Fahrenheit. It is believed that such temperatures could only be reached during dry running of the pump. The previous operational history of this pump is under investigation to determine how dry running could have occurred. Adjacent areas of the shaft were blackened. In addition, the aluminum bearing housing adjacent to the back side of the end plate had melted.

The other pump was an override/jettison pump of the center tank, which had been removed from a Model 747-400 series airplane due to a low pressure warning received in the flight deck. The pump had been installed on the airplane for 3,500 flight hours. The pump was found with the thermal fuses of the electrical motor winding open, which indicates an overheat condition in the motor section. Such overheating may be due to the pump rotor dragging or locking. Evidence of severe overheating of the priming and vapor pump section was found. The end plates of the priming and vapor section of the pump were blued and cracked from thermal stress, and the pump shaft in that same area was blued.

Such overheating of the parts in the priming and vapor pump section of the fuel pump provides an ignition source in the fuel tank during dry running of the pump, which could result in fire/explosion of the fuel tank.

#### Similar Parts

The pumps involved in the two reports described previously have the same part numbers as those that were addressed in AD 2002-19-52. The fuel pumps installed on Model 737-600, -700, -700C, -800, and -900; Model 747; and Model 757 series airplanes are all potentially affected since the pumps are almost identical in design.

#### FAA's Determination

In light of these reports, we find that procedures must be included in the Airplane Flight Manual (AFM) to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks, and to prohibit the use of the horizontal stabilizer fuel tank (for Model 747-400 series airplanes) and certain center auxiliary fuel tanks (on Model 747 series airplanes). Those procedures specify crew monitoring of fuel levels and shutoff of center fuel tank pumps at specified levels that ensure the pump inlet remains covered during pump operation. Covering the pump inlet prevents fuel vapors from coming into contact with potentially

overheated parts in the priming and vapor pump section of the fuel pump, and likely prevents the overheating condition itself. Those procedures also require deactivation of the horizontal stabilizer tank on Model 747-400 series airplanes and certain auxiliary fuel tanks of Model 747 series airplanes because the small size of the tank and the high flow rate of the pumps make it impractical to effectively apply an early shutoff procedure.

#### Explanation of Requirements of the Rule

Since the unsafe condition described is likely to exist or develop on other airplanes of the same type design, the FAA issued emergency AD 2002-24-51 to revising the AFM to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks, and to prohibit the use of the horizontal stabilizer fuel tank (for Model 747-400 series airplanes) and certain center auxiliary fuel tanks (on Model 747 series airplanes).

Some operators may already have accomplished the AFM revisions required by this AD since those revisions are identical to the AFM revisions required by AD 2002-19-52. However, the terminating action (*i.e.*, X-ray inspections of the fuel pumps) provided by AD 2002-19-52 allows operators to remove those AFM revisions. The unsafe condition addressed in AD 2002-19-52 was caused by chafed wiring, so the terminating action for that AD is not effective in eliminating the unsafe condition addressed in this AD. Therefore, for operators that have accomplished the terminating action specified in AD 2002-19-52, this new AD requires that those AFM revisions be reinstated.

#### Interim Action

This is considered to be interim action until final action is identified, at which time the FAA may consider further rulemaking.

Since it was found that immediate corrective action was required, notice and opportunity for prior public comment thereon were impracticable and contrary to the public interest, and good cause existed to make the AD effective immediately by individual notices issued on November 23, 2002, to all known U.S. owners and operators of all Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes; Model 747 series airplanes; and Model 757 series airplanes. These conditions still exist, and the AD is hereby published in the **Federal Register** as an amendment to section 39.13 of the Federal Aviation

Regulations (14 CFR 39.13) to make it effective to all persons.

### Comments Invited

Although this action is in the form of a final rule that involves requirements affecting flight safety and, thus, was not preceded by notice and an opportunity for public comment, comments are invited on this rule. Interested persons are invited to comment on this rule by submitting such written data, views, or arguments as they may desire. Communications shall identify the Rules Docket number and be submitted in triplicate to the address specified under the caption **ADDRESSES**. All communications received on or before the closing date for comments will be considered, and this rule may be amended in light of the comments received. Factual information that supports the commenter's ideas and suggestions is extremely helpful in evaluating the effectiveness of the AD action and determining whether additional rulemaking action would be needed.

Comments are specifically invited on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify the rule. All comments submitted will be available, both before and after the closing date for comments, in the Rules Docket for examination by interested persons. A report that summarizes each FAA-public contact concerned with the substance of this AD will be filed in the Rules Docket.

Commenters wishing the FAA to acknowledge receipt of their comments submitted in response to this rule must submit a self-addressed, stamped postcard on which the following statement is made: "Comments to Docket Number 2002-NM-309-AD." The postcard will be date stamped and returned to the commenter.

### Regulatory Impact

The regulations adopted herein will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government. Therefore, it is determined that this final rule does not have federalism implications under Executive Order 13132.

The FAA has determined that this regulation is an emergency regulation that must be issued immediately to correct an unsafe condition in aircraft, and that it is not a "significant regulatory action" under Executive Order 12866. It has been determined further that this action involves an

emergency regulation under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979). If it is determined that this emergency regulation otherwise would be significant under DOT Regulatory Policies and Procedures, a final regulatory evaluation will be prepared and placed in the Rules Docket. A copy of it, if filed, may be obtained from the Rules Docket at the location provided under the caption **ADDRESSES**.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

### Adoption of the Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

### PART 39—AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

#### § 39.13 [Amended]

2. Section 39.13 is amended by adding the following new airworthiness directive:

**2002-24-51 Boeing:** Amendment 39-12992. Docket 2002-NM-309-AD.

**Applicability:** Model 737-600, -700, -700C, -800, and -900 series airplanes; Model 747 series airplanes; and Model 757 series airplanes; certificated in any category.

**Compliance:** Required as indicated, unless accomplished previously.

To require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks, and to prohibit the use of the horizontal stabilizer fuel tank (for Model 747-400 series airplanes) and certain center auxiliary fuel tanks (on Model 747 series airplanes), accomplish the following:

**Note 1:** Accomplishment of the actions required by paragraphs (a) through (d) of AD 2002-19-52, amendment 39-12900, is acceptable for compliance with the requirements of paragraphs (b) through (e) of this AD. This AD does not require that those actions be repeated unless the terminating actions specified in paragraphs (g) and (h) of AD 2002-19-52 have been accomplished and the AFM revisions and placard(s) have been removed.

(a) Accomplishment of the terminating actions specified in paragraphs (g) and (h) of AD 2002-19-52, amendment 39-12900, does not allow removal of the AFM revisions required by paragraphs (a), (b), (c), and (d) of AD 2002-19-52, or paragraphs (b), (c), (d), and (e) of this AD.

### Airplane Flight Manual (AFM) Revision: Model 737-600, -700, -700C, -800, and -900

(b) For Model 737-600, -700, -700C, -800, and -900 series airplanes: Within 4 days after receipt of this AD, revise the Limitations Section of the AFM to include the following (this may be accomplished by inserting a copy of this AD into the AFM):

"Certificate Limitations

The center tank fuel pumps must be OFF for takeoff if center tank fuel is less than 5,000 pounds (2,300 kilograms) with the airplane readied for initial taxi.

Both center tank fuel pump switches must be selected Off when center tank fuel quantity reaches approximately 1,000 pounds (500 kilograms) during climb and cruise or 3,000 pounds (1,400 kilograms) during descent and landing. The fuel pumps must be positioned Off at the first indication of fuel pump low pressure.

The CWT fuel quantity indication system must be operative to dispatch with CWT mission fuel.

Note

The CONFIG indicator will annunciate when center tank fuel exceeds 1,600 pounds (800 kilograms) and the center tank fuel pump switches are Off. Do not accomplish the CONFIG non-normal procedure prior to or during takeoff with less than 5,000 pounds (2,300 kilograms) of center tank fuel or during descent and landing with less than 3,000 pounds (1,400 kilograms) of center tank fuel.

Note

In a low fuel situation, both center tank pumps may be selected On and all center tank fuel may be used.

If the main tanks are not full, the zero fuel gross weight of the airplane plus the weight of center tank fuel may exceed the maximum zero fuel gross weight by up to 5,000 pounds (2,300 kilograms) for takeoff, climb and cruise and up to 3,000 pounds (1,400 kilograms) for descent and landing, provided that the effects of balance (CG) have been considered.

If a center tank fuel pump fails with fuel in the center tank, accomplish the Fuel Pump Low Pressure non-normal procedure.

When defueling center or main wing tanks, the Fuel Pump Low Pressure indication lights must be monitored and the fuel pumps positioned to Off at the first indication of fuel pump low pressure. Defueling with passengers on board is prohibited.

**The limitations contained in this AD supersede any conflicting basic airplane flight manual limitations."**

**AFM Revision: Model 747-100, -200B, -200F, -200C, -100B, -300, -100B SUD, 747SR, and 747SP**

(c) For Model 747-100, -200B, -200F, -200C, -100B, -300, -100B SUD, 747SR, and 747SP series airplanes: Within 4 days after receipt of this AD, revise the Limitations Section of the AFM to include the following (this may be accomplished by inserting a copy of this AD into the AFM):

**“Certificate Limitations**

Fueling and use of the center auxiliary fuel tank and auxiliary fuel tanks 1 and 4 (if installed) is prohibited.

The center wing tank (CWT) must contain a minimum of 17,000 pounds (7,700 kilograms) of fuel prior to engine start, if the CWT override/jettison pumps are to be selected On during flight.

The CWT fuel quantity indication system must be operative to dispatch with CWT mission fuel.

Both CWT override/jettison pump switches must be selected Off at or before the CWT fuel quantity reaches 7,000 pounds (3,200 kilograms), if the CWT fuel quantity is less than 50,000 pounds (22,700 kilograms) prior to engine start. The CWT override pumps may be selected On during stabilized cruise conditions. Both CWT override/jettison pump switches must be selected Off at or before the CWT fuel quantity reaches 3,000 pounds (1,400 kilograms).

Both CWT override/jettison pump switches must be selected Off at or before the CWT fuel quantity reaches 3,000 pounds (1,400 kilograms), if the CWT fuel quantity is greater than or equal to 50,000 pounds (22,700 kilograms) prior to engine start.

Both CWT override/jettison pumps must be selected Off when either CWT override/jettison fuel pump low pressure light illuminates.

**Warning**

Do not reset a tripped fuel pump circuit breaker.

**Warning**

Do not cycle the CWT pump switches from On to Off to On with any continuous low pressure indication present.

**Note**

The CWT may be emptied normally in an emergency fuel jettison.

**Note**

In a low fuel situation, both CWT override/jettison pumps may be selected On and all CWT fuel may be used.

If a center wing tank pump fails with fuel in the center tank, shut off the affected fuel pump.

If the main tanks are not full, the zero fuel gross weight of the airplane plus the weight of CWT tank fuel may exceed the maximum zero fuel gross weight by up to 7,000 pounds (3,200 kilograms) for takeoff, climb, cruise, descent, and landing, provided that the effects of balance (CG) have been considered.

When defueling center or main wing tanks, the Fuel Pump Low Pressure indication lights must be monitored and the fuel pumps positioned to Off at the first indication of fuel pump low pressure. Defueling with passengers on board is prohibited.

The limitations contained in this AD supersede any conflicting basic airplane flight manual limitations.”

**AFM Revision: Model 747–400, –400D, and –400F**

(d) For Model 747–400, –400D, and –400F series airplanes: Within 4 days after receipt of this AD, revise the Limitations Section of the AFM to include the following (this may

be accomplished by inserting a copy of this AD into the AFM):

**“Certificate Limitations**

Fueling and use of the horizontal stabilizer tank (if installed) is prohibited if a placard prohibiting its use is installed.

The center wing tank (CWT) must contain a minimum of 17,000 pounds (7,700 kilograms) prior to engine start, if the CWT override/jettison pumps are to be selected On during flight.

The CWT fuel quantity indication system must be operative to dispatch with CWT mission fuel.

Both CWT override/jettison pump switches must be selected Off at or before CWT fuel quantity reaches 7,000 pounds (3,200 kilograms), if CWT fuel quantity is less than 50,000 pounds (22,700 kilograms) prior to engine start. The CWT override pumps may be selected On during stabilized cruise conditions. Both CWT override/jettison pump switches must be selected Off at or before the CWT fuel quantity reaches 3,000 pounds (1,400 kilograms).

**Note**

With CWT override/jettison pumps selected Off and CWT fuel quantity greater than 6,000 pounds (2,800 kilograms), the Fuel OVRD CTR L & R EICAS messages will be displayed. Do not accomplish the associated non-normal procedure.

Both CWT override/jettison pump switches must be selected Off at or before CWT fuel quantity reaches 3,000 pounds (1,400 kilograms), if CWT fuel quantity is greater than or equal to 50,000 pounds (22,700 kilograms) prior to engine start.

Both CWT override/jettison pumps must be selected OFF when either CWT override/jettison fuel pump low pressure light illuminates.

**Warning**

Do not reset a tripped fuel pump circuit breaker.

**Warning**

Do not cycle CWT override/jettison pump switches from On to Off to On with any continuous low pressure indication present.

**Note**

The center wing tank may be emptied normally during an emergency fuel jettison.

**Note**

In a low fuel situation, both CWT override/jettison pumps may be selected On and all CWT fuel may be used.

If a center wing tank pump fails with fuel in the center tank, accomplish the Fuel OVRD CTR L, R non-normal procedure.

If the main tanks are not full, the zero fuel gross weight of the airplane plus the weight of CWT tank fuel may exceed the maximum zero fuel gross weight by up to 7,000 pounds (3,200 kilograms) for takeoff, climb, cruise, descent, and landing, provided that the effects of balance (CG) have been considered.

When defueling any fuel tanks, the Fuel Pump Low Pressure indication lights must be monitored and the fuel pumps positioned to Off at the first indication of fuel pump low pressure. Defueling with passengers on board is prohibited.

The limitations contained in this AD supersede any conflicting basic airplane flight manual limitations.”

**AFM Revision: Model 757**

(e) For Model 757 series airplanes: Within 4 days after receipt of this AD, revise the Limitations Section of the AFM to include the following (this may be accomplished by inserting a copy of this AD into the AFM):

**“Certificate Limitations**

The center tank fuel pumps must be Off for takeoff if center tank fuel is less than 5,000 pounds (2,300 kilograms) with the airplane readied for initial taxi.

Both center tank fuel pump switches must be selected Off when center tank fuel quantity reaches approximately 1,000 pounds (500 kilograms) during climb, cruise, or descent. The center tank fuel pumps must be positioned Off at the first indication of fuel pump low pressure.

The CWT fuel quantity indication system must be operative to dispatch with CWT mission fuel.

**Warning**

Do not reset a tripped fuel pump circuit breaker.

**Note**

The Fuel CONFIG light will illuminate when there is fuel in the center tank that exceeds 1,200 pounds (600 kilograms) and the center tank fuel pump switches are Off. Do not accomplish the associated non-normal procedure prior to or during takeoff with less than 5,000 pounds (2,300 kilograms) of center tank fuel, unless there is an imbalance between main tanks or fuel is low in either main tank. After canceling the Fuel CONFIG light, monitor fuel quantity indications and accomplish the appropriate non-normal procedure if a main tank imbalance or main tank low fuel quantity occurs.

**Note**

In a low fuel situation, both center tank pumps may be selected On and all center tank fuel may be used.

If the main tanks are not full, the zero fuel gross weight of the airplane plus the weight of center tank fuel may exceed the maximum zero fuel gross weight by up to 5,000 pounds (2,300 kilograms) for takeoff, climb, cruise, descent, and landing, provided that the effects of balance (CG) have been considered.

If a center tank fuel pump fails or indicates low pressure with fuel in the center tank, accomplish the Fuel Pump non-normal procedure.

When defueling center or main wing tanks, the Fuel Pump Low Pressure indication lights must be monitored and the fuel pumps positioned to Off at the first indication of fuel pump low pressure. Defueling with passengers on board is prohibited.

The limitations contained in this AD supersede any conflicting basic airplane flight manual limitations.”

**Alternative Methods of Compliance**

(f)(1) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Seattle Aircraft Certification Office (ACO), FAA.

Operators shall submit their requests through an appropriate FAA Principal Operations Inspector, who may add comments and then send it to the Manager, Seattle ACO.

(2) Alternative methods of compliance, approved previously in accordance with AD 2002-19-52, amendment 39-12900, are not considered to be approved as alternative methods of compliance with this AD.

**Note 2:** Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Seattle ACO.

#### Special Flight Permits

(g) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

#### Effective Date

(h) This amendment becomes effective on January 7, 2003, to all persons except those persons to whom it was made immediately effective by emergency AD 2002-24-51, issued on November 23, 2002, which contained the requirements of this amendment.

Issued in Renton, Washington, on December 23, 2002.

**Vi L. Lipski,**

*Manager, Transport Airplane Directorate,  
Aircraft Certification Service.*

[FR Doc. 02-32883 Filed 12-31-02; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 2002-NM-314-AD; Amendment 39-12993; AD 2002-24-52]

RIN 2120-AA64

#### Airworthiness Directives; Boeing Model 747-400, -400D, and -400F Series Airplanes

**AGENCY:** Federal Aviation Administration, DOT.

**ACTION:** Final rule; request for comments.

**SUMMARY:** This document publishes in the **Federal Register** an amendment adopting airworthiness directive (AD) 2002-24-52 that was sent previously to all known U.S. owners and operators of all Boeing Model 747-400, -400D, and -400F series airplanes by individual notices. This AD continues to require revising the Airplane Flight Manual to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks, and to prohibit the use of the horizontal stabilizer fuel tank. This AD also removes the reference to

placards that was specified in the operating limitations required by another AD. This action is prompted by reports indicating that two fuel pumps showed evidence of extreme localized overheating of parts in the priming and vapor pump section of the fuel pump. Such overheating provides an ignition source in the fuel tank during dry running of the pump, which could result in fire/explosion of the fuel tank. The actions specified by this AD are intended to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks, and to prohibit the use of the horizontal stabilizer fuel tank.

**DATES:** Effective January 6, 2003, to all persons except those persons to whom it was made immediately effective by emergency AD 2002-24-52, issued November 24, 2002, which contained the requirements of this amendment.

Comments for inclusion in the Rules Docket must be received on or before March 3, 2003.

**ADDRESSES:** Submit comments in triplicate to the Federal Aviation Administration (FAA), Transport Airplane Directorate, ANM-114, Attention: Rules Docket No. 2002-NM-314-AD, 1601 Lind Avenue, SW., Renton, Washington 98055-4056. Comments may be inspected at this location between 9 a.m. and 3 p.m., Monday through Friday, except Federal holidays. Comments may be submitted via fax to (425) 227-1232. Comments may also be sent via the Internet using the following address: [9-anm-iarcomment@faa.gov](mailto:9-anm-iarcomment@faa.gov). Comments sent via fax or the Internet must contain "Docket No. 2002-NM-314-AD" in the subject line and need not be submitted in triplicate. Comments sent via the Internet as attached electronic files must be formatted in Microsoft Word 97 for Windows or ASCII text.

Information pertaining to this amendment may be examined at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

**FOR FURTHER INFORMATION CONTACT:** Bernie Gonzalez, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-2682; fax (425) 227-1181.

**SUPPLEMENTARY INFORMATION:** On November 24, 2002, the FAA issued emergency AD 2002-24-52, which is applicable to all Boeing Model 747-400, -400D, and -400F series airplanes.

On November 23, 2002, the FAA issued emergency AD 2002-24-51,

applicable to all Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes; Model 747 series airplanes; and Model 757 series airplanes. That AD was prompted by reports indicating that two fuel pumps from different Model 747 series airplanes showed evidence of extreme localized overheating of parts in the priming and vapor pump section of the fuel pump. Such overheating provides an ignition source in the fuel tank during dry running of the pump, which could result in fire/explosion of the fuel tank.

AD 2002-24-51 reinstated operating limitations originally imposed by AD 2002-19-52, amendment 39-12900 (67 FR 61253, September 30, 2002). Specifically for Model 747-400, -400D, and -400F series airplanes, AD 2002-24-51 includes a provision that prohibits fueling and use of the horizontal stabilizer tank " \* \* \* if a placard prohibiting its use is installed." (That phrase appears in the first paragraph of the required operating limitation.)

#### Actions Since Issuance of Previous Rule

Since the issuance of that AD, we have become aware that the reference to placards in the Airplane Flight Manual (AFM) revision for Model 747-400, -400D, and -400F series airplanes should not have been restated because, unlike AD 2002-19-52, AD 2002-24-51 does not require installation of placards. Therefore, if an operator has done the terminating actions specified in AD 2002-19-52 and removed the placards required by that AD, the limitation imposed by AD 2002-24-51 would not prohibit fueling and use of the horizontal stabilizer tank. This would be contrary to the intent of AD 2002-24-51.

#### Explanation of Requirements of the Rule

Since the unsafe condition described is likely to exist or develop on other airplanes of the same type design, the FAA issued emergency AD 2002-24-52 to continue to require revising the AFM to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks, and to prohibit the use of the horizontal stabilizer fuel tank. However, this AD removes the reference to placards that was specified in the operating limitations required by AD 2002-24-51.

The compliance time of this AD remains the same as that specified in AD 2002-24-51 ("within 4 days after receipt" of AD 2002-24-51). In addition, paragraph (b) of this AD states that, if an operator has already complied with AD 2002-24-51, it can comply