# **CHAPTER**

56

**WINDOWS** 



## CHAPTER 56 WINDOWS

Subject/Page	Date	COC	Subject/Page	Date	COC	Subject/Page	Date	COC
56-EFFECTIVE	E PAGES							
1	Oct 15/2024							
2	BLANK							
56-HOW TO U	SE THE FIM							
1	Feb 15/2013							
2	Feb 15/2013							
3	Feb 15/2013							
4	Feb 15/2013							
5	Feb 15/2013							
6	Feb 15/2013							
56-FAULT COI	DE INDEX							
101	Feb 15/2013							
102	BLANK							
56-11 TASKS								
201	Jun 15/2024							
202	BLANK							
56-21 TASKS								
R 201	Oct 15/2024							
202	BLANK							

A = Added, R = Revised, D = Deleted, O = Overflow, C = Customer Originated Change

## **56-EFFECTIVE PAGES**



YOU FIND A FAULT WITH AN AIRPLANE SYSTEM

These are the possible types of faults:

- 1. Observed Fault
- 2. Cabin Fault

USE BITE TO GET MORE INFORMATION

If you did a BITE test already, then you can go directly to the fault isolation procedure for the maintenance message.

For details, see Figure 2 ---

GO TO THE FAULT ISOLATION TASK IN THE FIM

Use the fault code or description to find the task in the FIM. There is a numerical list of fault codes in each chapter. There are lists of fault descriptions at the front of the FIM.

For details, see Figure 3 ──►

FOLLOW THE STEPS OF THE FAULT ISOLATION TASK

The fault isolation task explains how to find the cause of the fault. When the task says "You corrected the fault" you know that the fault is gone.

For details, see Figure 4 ──►

G04902 S0000148576\_V1

Basic Fault Isolation Process Figure 1

SHZ ALL

56-HOW TO USE THE FIM

Page 1 Feb 15/2013



Some airplane systems have built-in test equipment (BITE). If the system finds a fault when you do a BITE test, it will give you a maintenance message.

A maintenance message can be any of these:

- a code
- a text message
- a light
- an indication.

To find the fault isolation task for a maintenance message, go to the Maintenance Message Index in the chapter for the applicable system.

If you do not know which chapter is the correct one, look at the list at the front of any Maintenance Message Index. For each system or component (LRU) that has BITE, this list gives the chapter number where you can find the Index that you need.

Find the maintenance message for the applicable LRU or system in the Index. Then find the task number on the same line as the maintenance message. Go to the task in the FIM and do the steps of the task (see Figure 4).

G04950 S0000148578\_V1

Getting Fault Information from BITE Figure 2

SHZ ALL

**56-HOW TO USE THE FIM** 

Page 2 Feb 15/2013



IF YOU HAVE:

THEN DO THIS TO FIND THE TASK IN THE FIM:

FAULT CODE

- 1. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code. If the fault code starts with a letter, then go to the Cabin Fault Code Index at the front of the FIM.
- 2. Find the task number on the same line as the fault code. Go to the task in the FIM and do the steps in the task (see Figure 4).

OBSERVED FAULT
DESCRIPTION

- 1. Go to the Observed Fault List at the front of the FIM and find the best description for the fault.
- 2. Find the task number on the same line as the fault description. Go to the task in the FIM and do the steps of the task (see Figure 4).

CABIN FAULT DESCRIPTION

- 1. Go to the Cabin Fault List at the front of the FIM and find the best description for the fault.
- 2. Find the task number on the same line as the fault description. Go to the task in the FIM and do the steps of the task (see Figure 4).

MAINTENANCE MESSAGE (FROM BITE)

- Go to the Maintenance Message Index in the chapter for the LRU (the front of each Index gives you the chapter number for all LRUs). Find the maintenance message in the Index.
- 2. Find the task number on the same line as the maintenance message. Go to the task in the FIM and do the steps in the task (see Figure 4).

G04979 S0000148579\_V2

Finding the Fault Isolation Task in the FIM Figure 3

SHZ ALL

## **56-HOW TO USE THE FIM**

Page 3 Feb 15/2013



#### ASSUMED CONDITIONS AT START OF TASK

- External electrical power is ON
- Hydraulic power and pneumatic power are OFF
- Engines are shut down
- No equipment in the system is deactivated

#### POSSIBLE CAUSES

- The list of possible causes has the most likely cause first and the least likely cause last.
- You can use the maintenance records of your airline to determine if the fault occurred before. Compare the list of possible causes to the past maintenance actions. This will help prevent repetition of the same maintenance actions.

### INITIAL EVALUATION PARAGRAPH

- The primary purpose of the Initial Evaluation paragraph at the start of the task is to help you find out if you can detect the fault right now:
  - If you cannot detect the fault right now, then the task cannot isolate the fault and the Initial Evaluation paragraph will say that there was an <u>intermittent fault</u>.
  - If you have an intermittent fault, you must use your judgement (and follow your airline's policy) to decide which maintenance action to take. Then monitor the airplane to see if the fault happens again on subsequent flights.
- The Initial Evaluation paragraph can also help you find out which Fault Isolation Procedure to use to isolate and correct the fault.

#### FAULT ISOLATION STEPS

- The FIM task steps are presented in a specified order. The "If... then" statements will guide you along a logical path. But if you do not plan to follow the FIM task exactly, make sure that you read it before you start to isolate the fault. Some FIM procedures start with important steps that have an effect on the other steps in the procedure.
- When you are at the endpoint of the path, the step says "...you corrected the fault." Complete the step and exit the procedure.

G05009 S0000148580\_V3

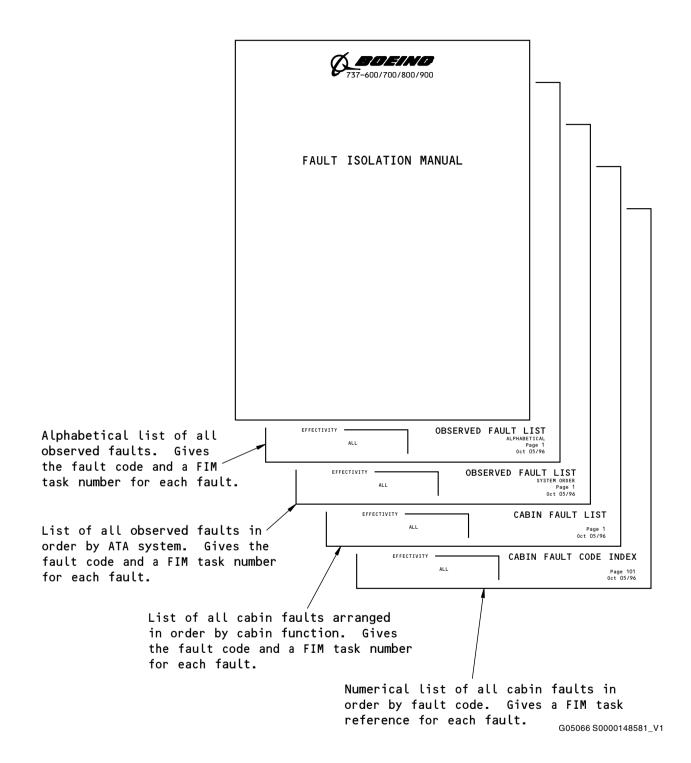
Doing the Fault Isolation Task Figure 4

56-HOW TO USE THE FIM

EFFECTIVITY SHZ ALL



## **FAULT ISOLATION MANUAL**

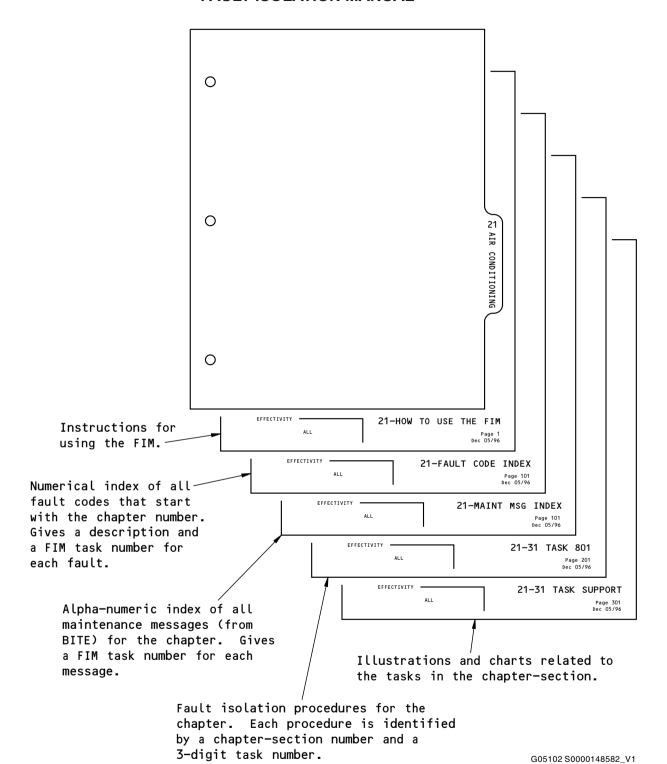


Subjects at Front of FIM Figure 5

**56-HOW TO USE THE FIM** - EFFECTIVITY · SHZ ALL

> Page 5 Feb 15/2013





Subjects in Each FIM Chapter Figure 6

Figure 6

- EFFECTIVITY ·

**SHZ ALL** 

56-HOW TO USE THE FIM

Page 6 Feb 15/2013



FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
561 010 41	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 1 left.	56-11 TASK 802
561 010 42	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 1 right.	56-11 TASK 802
561 020 41	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 2 left.	56-11 TASK 802
561 020 42	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 2 right.	56-11 TASK 802
561 030 41	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 3 left.	56-11 TASK 802
561 030 42	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 3 right.	56-11 TASK 802
561 040 41	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 4 left.	56-11 TASK 803
561 040 42	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 4 right.	56-11 TASK 803
561 050 41	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 5 left.	56-11 TASK 804
561 050 42	Window, flight compartment: delaminated, cracked, chipped, crazed, scratched, or has bubbles - no. 5 right.	56-11 TASK 804
561 060 00	Window, flight compartment: windows need cleaning.	56-11 TASK 805
561 070 41	Window, flight compartment: Sliding difficult to operate - no. 2 left.	56-11 TASK 801
561 070 42	Window, flight compartment: Sliding difficult to operate - no. 2 right.	56-11 TASK 801
561 080 41	Window, flight compartment: Sliding has air leak - no. 2 left.	56-11 TASK 801
561 080 42	Window, flight compartment: Sliding has air leak - no. 2 right.	56-11 TASK 801

SHZ ALL 56-FAULT CODE INDEX

Page 101 Feb 15/2013



#### 801. Flight Compartment Window No. 2 Problems - Fault Isolation

A. Fault Isolation Proc	cedure
-------------------------	--------

(1) For the applicable No. 2 window, do this task: No. 2 Openable Window Inspection, AMM TASK 56-12-11-200-801.

----- END OF TASK -----

### 802. Flight Compartment Window Damaged - Fault Isolation

#### A. Fault Isolation Procedure

- (1) If a No. 1 or a No. 3 window shows signs of damage, then, do this task: AMM TASK 56-11-00-200-803.
- (2) If a No. 2 window shows signs of damage, then, do this task: AMM TASK 56-12-11-200-801.

----- END OF TASK -----

SHZ 002, 009-699, 706, 721-799, 860-863, 865, 866, 871-874 PRE SB 737-56-1017

#### 803. Flight Compartment Window Damaged - Fault Isolation

#### A. Fault Isolation Procedure

(1) If a No. 4 window shows signs of damage, then, do this task: AMM TASK 56-11-00-200-803.

----- END OF TASK -----

### 804. Flight Compartment Window Damaged - Fault Isolation

#### A. Fault Isolation Procedure

(1) If a No. 5 window shows signs of damage, then, do this task: AMM TASK 56-11-00-200-803.

**SHZ ALL** 

----- END OF TASK -----

## 805. Flight Compartment Window Dirty - Fault Isolation

#### A. Fault Isolation Procedure

(1) For the applicable window, do this task: Clean the Glass Flight Compartment Windows - Inner Surface, AMM TASK 12-16-02-100-801.

——— END OF TASK ———

56-11 TASKS 801-805

**SHZ ALL** 

· EFFECTIVITY ·



#### 801. Cabin Window Fogged/Moisture Problems - Fault Isolation

- A. Description
  - (1) The Cabin Window has fogged, or there is moisture between the panes.
- B. Possible Causes
  - (1) Fogging or Moisture Between Panes in the Cabin Window
- C. Related Data
  - (1) SDS SUBJECT 56-21-00
- D. Initial Evaluation
  - (1) Do a check of the Cabin Window for fogging or moisture between the middle and outer panes. This is the task: Passenger Cabin Window Inspection, AMM TASK 56-21-00-200-801.
    - (a) If the Cabin Window is in the satisfactory condition, then there was an intermittent problem.
    - (b) If the Cabin Window is not in the satisfactory condition, then do the Fault Isolation Procedure below.

#### E. Fault Isolation Procedure

- (1) Clean the Cabin Window. These are the tasks:
  - Clean The Passenger Compartment Windows, AMM TASK 12-16-03-100-801
  - Passenger Cabin Window Installation, AMM TASK 56-21-00-400-801
  - (a) Do a check of the Cabin Window for fogging or moisture between the middle and outer panes. This is the task: Passenger Cabin Window Inspection, AMM TASK 56-21-00-200-801.
    - 1) If the Cabin Window is in the satisfactory condition, then you corrected the problem.

----- END OF TASK -----

56-21 TASK 801