Scandinavian Airlines System

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CHAPTER 56 - WINDOWS

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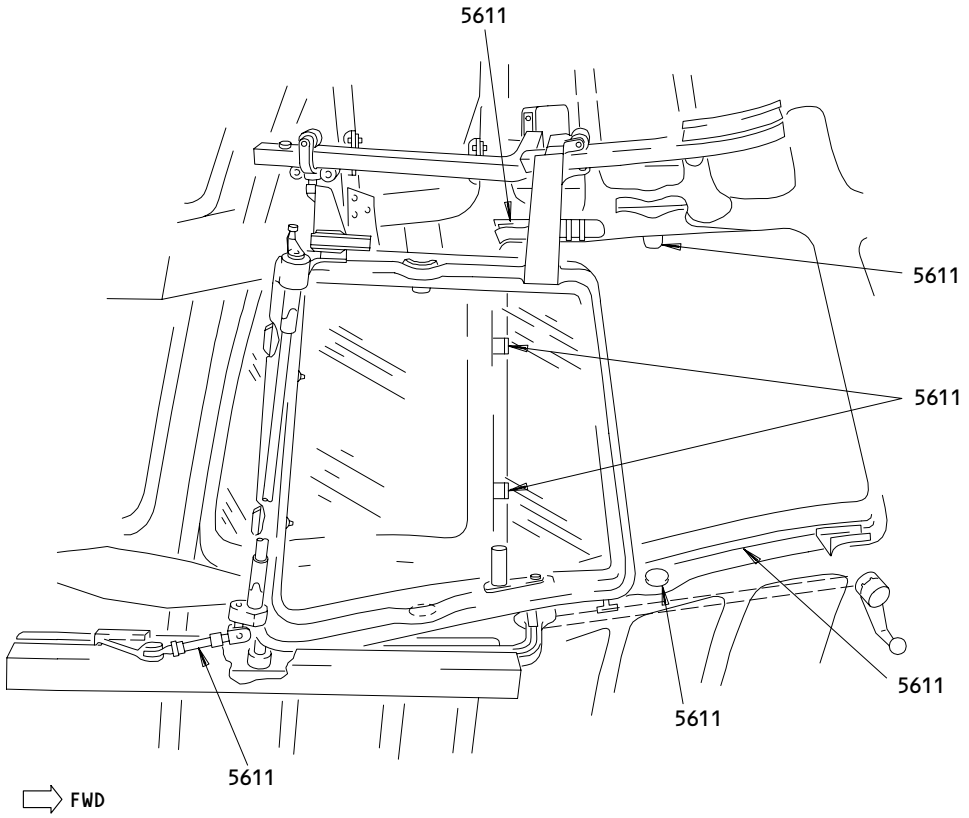

NO. 2 WINDOW

TITLE	CHAP/SEC
NO. 2 WINDOW	
CAM BLOCK	5611
LINK ARM	5611
SEAL	5611
LATCH	5611

NO. 2 WINDOW – CONTENTS (GROUND)

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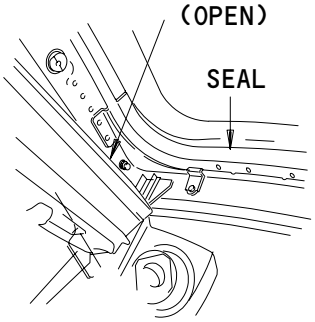

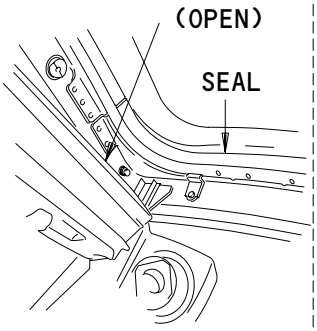

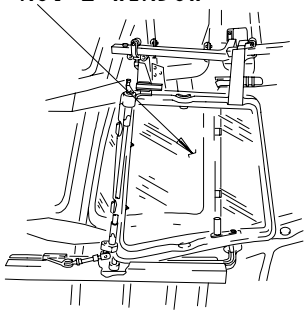

FAULT CODE/ LOCATION

LEFT	01
RIGHT	02

IS SEAL INSTALLATION OKAY?

ARE GAPS BETWEEN SEAL RETAINER SECTIONS, BETWEEN RETAINER AND STRUCTURE, BETWEEN THE WINDOW ASSEMBLY AND THE FRAME ASSEMBLY, AND AROUND LATCH STUDS FILLED WITH SEALANT?

WITH SEAL IN GOOD CONDITION, AND ALL GAPS ON WINDOW FRAME FILLED WITH SEALANT, DOES WINDOW CONTINUE TO LEAK AIR?

YES → YES → NO → NORMAL

NO → YES → 56 11 14 _ _

NO → 56 11 15 _ _

DAMAGED (TORN, CUT ABRAIDED) → 56 11 16 _ _

WRINKLED/KINKED → 56 11 17 _ _

DIRTY/BREATHER HOLES CLOGGED → 56 11 18 _ _

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 56 11 XB _ _

NO. 2 WINDOW AIR LEAKS – FAULT CODES (GROUND)

EFFECTIVITY

ALL

56-FAULT CODE DIAGRAM

01

93041

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
56 11 XA --	1. A (O1=1L, O2=2L, O3=3L, O4=1R, O5=2R, O6=3R) window problem was encountered by the flight crew which is not covered in the Fault Code Diagrams (Ref Fault Code Diagram for Flight Crew Actions). 2. AMM 56-11-00
56 11 XB --	1. (O1=LEFT, O2=RIGHT) A No. 2 window air leak problem was encountered which is not covered in the Fault Code Diagrams. (Ref Fault Code Diagrams for actions taken.) 2. AMM 56-11-00
56 11 01 --	1. (O2=2L, O5=2R) Window difficult to latch (Ref Chapter 25 for fault code diagram). 2. Do a test on the No. 2 Window latching system (AMM 56-11-02/501).
56 11 02 --	1. (O2=2L, O5=2R) Window difficult to unlatch (Ref Chapter 25 for fault code diagram). 2. Do a test on the No. 2 Window latching system (AMM 56-11-02/501).
56 11 03 --	1. (O2=2L, O5=2R) Window crank binding toward open (Ref Chapter 25 for fault code diagram). 2. Do a test on the No. 2 Window operating mechanism (AMM 56-11-02/501).
56 11 04 --	1. (O2=2L, O5=2R) Window crank binding toward close (Ref Chapter 25 for fault code diagram). 2. Do a test on the No. 2 Window operating mechanism (AMM 56-11-02/501).
56 11 05 --	1. Evidence of air leakage at (O2=2L, O5=2R) window (Ref Chapter 25 for fault code diagram). (Describe area if possible.) 2. Replace the seal (AMM 56-11-11/401).
56 11 06 --	1. (O1=1L, O2=2L, O3=3L, O4=1R, O5=2R, O6=3R) window has delamination (Ref Chapter 25 for fault code diagram). (Describe size and area.) 2. Examine the window for the permitted damage limits (AMM 56-11-00/601).
56 11 07 --	1. (O1=1L, O2=2L, O3=3L, O4=1R, O5=2R, O6=3R) window has crack (Ref Chapter 25 for fault code diagram). (Describe.) 2. Examine the window for the permitted damage limits (AMM 56-11-00/601).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
56 11 08 --	1. (01=1L, 02=2L, 03=3L, 04=1R, 05=2R, 06=3R) window is chipped (Ref Chapter 25 for fault code diagram). (Locate area.) 2. Examine the window for the permitted damage limits (AMM 56-11-00/601).
56 11 09 --	1. (01=1L, 02=2L, 03=3L, 04=1R, 05=2R, 06=3R) window is crazed (Ref Chapter 25 for fault code diagram). (Locate area.) 2. Examine the window for the permitted damage limits (AMM 56-11-00/601).
56 11 10 --	1. (01=1L, 02=2L, 03=3L, 04=1R, 05=2R, 06=3R) window is scratched (Ref Chapter 25 for fault code diagram). (Describe.) 2. Examine the window for the permitted damage limits (AMM 56-11-00/601).
56 11 11 --	1. (01=1L, 02=2L, 03=3L, 04=1R, 05=2R, 06=3R) window has bubbles forming (Ref Chapter 25 for fault code diagram). (Describe area.) 2. Examine the window for the permitted damage limits (AMM 56-11-00/601).
56 11 12 00	1. Windows need cleaning (Ref Chapter 25 for fault code diagram). 2. Clean the windows (AMM 12-16-02/301).
56 11 13 00	Not used.
56 11 14 --	1. (01=LEFT, 02=RIGHT) With seal in good condition, and all gaps on window frame filled with sealant, window is leaking air. 2. FIM 56-11-00/101, Fig. 102, Block 1
56 11 15 --	1. (01=LEFT, 02=RIGHT) With seal in good condition, gaps between seal retainer sections, gaps between retainer and structure, gaps between the window laminate assembly and the frame assembly, and/or gaps around latch studs are not filled with sealant, window is leaking. 2. Repair with a sealant (AMM 56-11-00/801).
56 11 16 --	1. (01=LEFT, 02=RIGHT) Seal is damaged (torn, cut, abraided). 2. Replace the seal (AMM 56-11-11/401).
56 11 17 --	1. (01=LEFT, 02=RIGHT) Seal is wrinkled/kinked. 2. Remove and reinstall the seal (AMM 56-11-11/401). If the seal remains wrinkled or kinked, replace the seal (AMM 56-11-11/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
56 11 18 --	1. (01=LEFT, 02=RIGHT) Seal is dirty and/or breather holes are clogged. 2. Clean the seal and make sure the breather holes on the inboard side of the seal are open.

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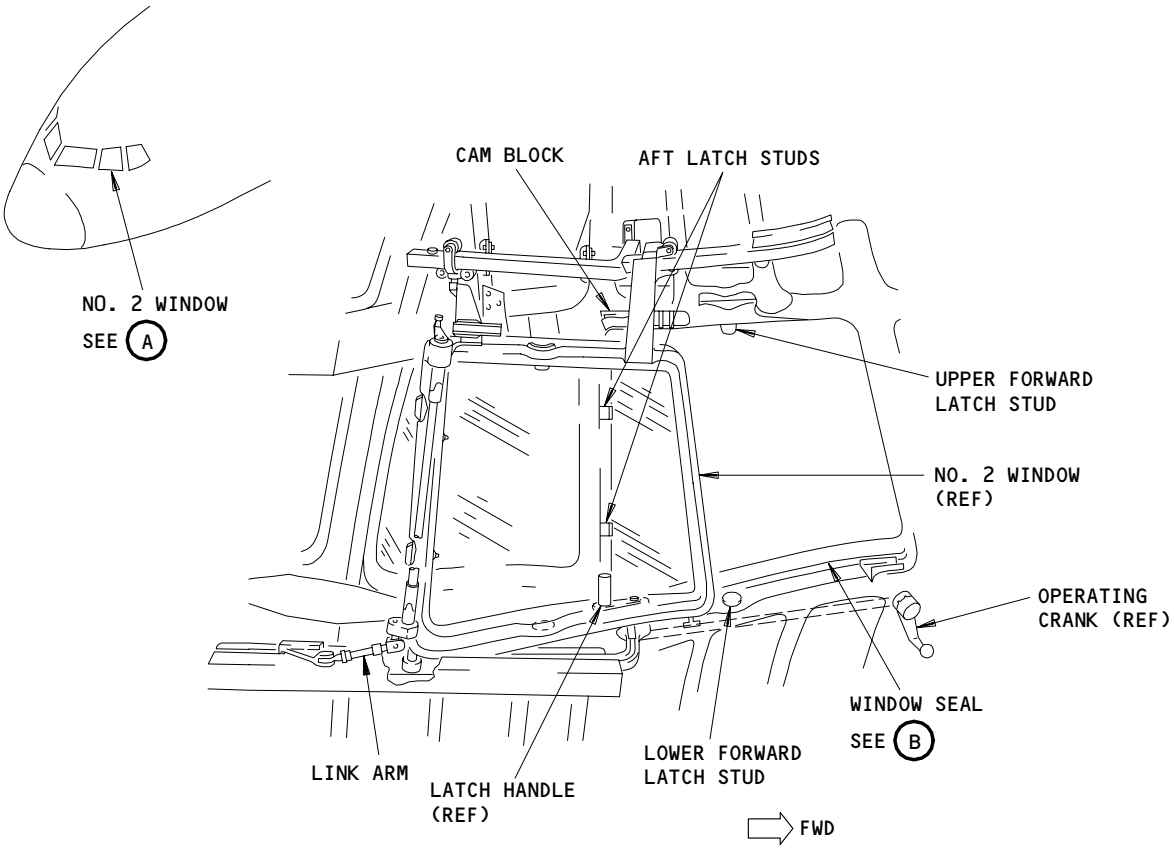
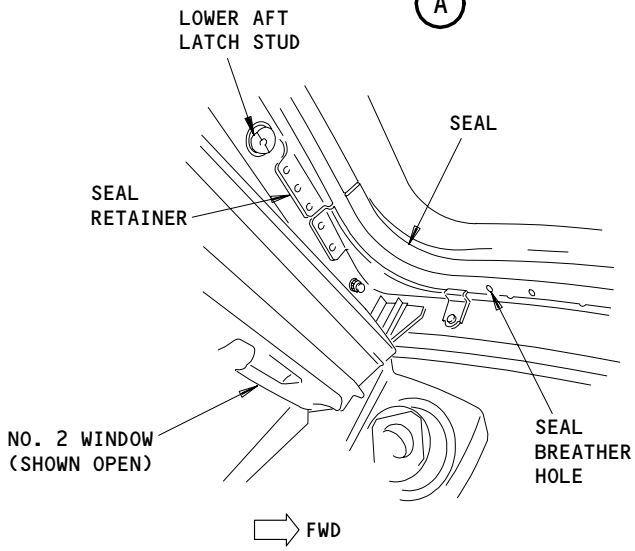


NO. 2 WINDOW

A



WINDOW SEAL

B

Flight Compartment Windows – Component Location
Figure 101

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AIR LEAK AT NO. 2 WINDOW

PREREQUISITES
NONE

1 BEFORE YOU ADJUST THE WINDOW, MAKE SURE THE SEAL IS CLEAN AND IN GOOD CONDITION (FREE FROM WRINKLES, KINKS, CRACKS, RIPS, TEARS, ETC.)

NO → 10 REPLACE THE NO. 2 WINDOW SEAL (AMM 56-11-11/401).

YES

2 CHECK THE WINDOW EDGE TO ENSURE UNIFORM SHAPE AND DAMAGE-FREE.

NO → 11 REPAIR WINDOW EDGE WITH RAPID CURING SEALANT OR REPLACE WINDOW (AMM 56-11-00/801).

YES

3 ARE THE FOLLOWING CLEARANCES FILLED WITH SEALANT?
- BETWEEN THE SEAL RETAINER SECTIONS
- BETWEEN THE SEAL RETAINER AND THE SILICON BULB SEAL, INCLUDING AROUND THE LATCH STUDS
- BETWEEN THE SEAL RETAINER AND THE ADJACENT STRUCTURE.

NOTE: THESE ARE FILLET SEALS SUBJECTED TO PRESSURE LOADS.

NO → 12 FILL THE CLEARANCES WITH SEALANT (AMM 56-11-11/401).

YES

4 LOOK FOR:
- GAPS BETWEEN THE LAMINATE AND ITS EDGE BAND
- GAPS BETWEEN THE EDGE BAND AND THE ALUMINUM FRAME
- CRACK IN THE FINISH AROUND THE WINDOW EDGE.

NO → 13 APPLY SEALANT ALL AROUND THE WINDOW (AMM 56-11-00/801).

YES

SEE SHEET 2
(BLOCK 5)

Air Leak at No. 2 Window
Figure 102 (Sheet 1)

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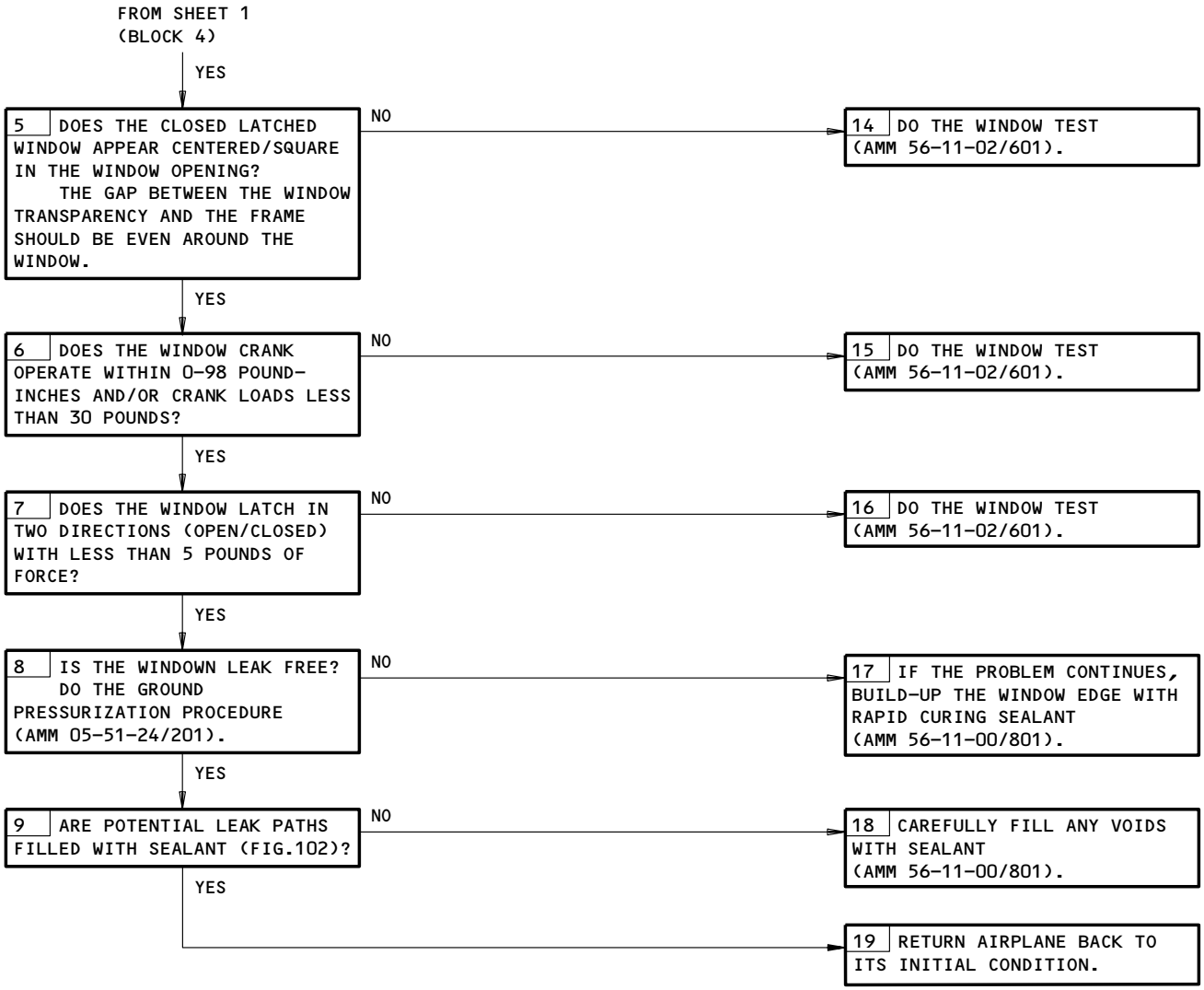

Air Leak at No. 2 Window
Figure 102 (Sheet 2)

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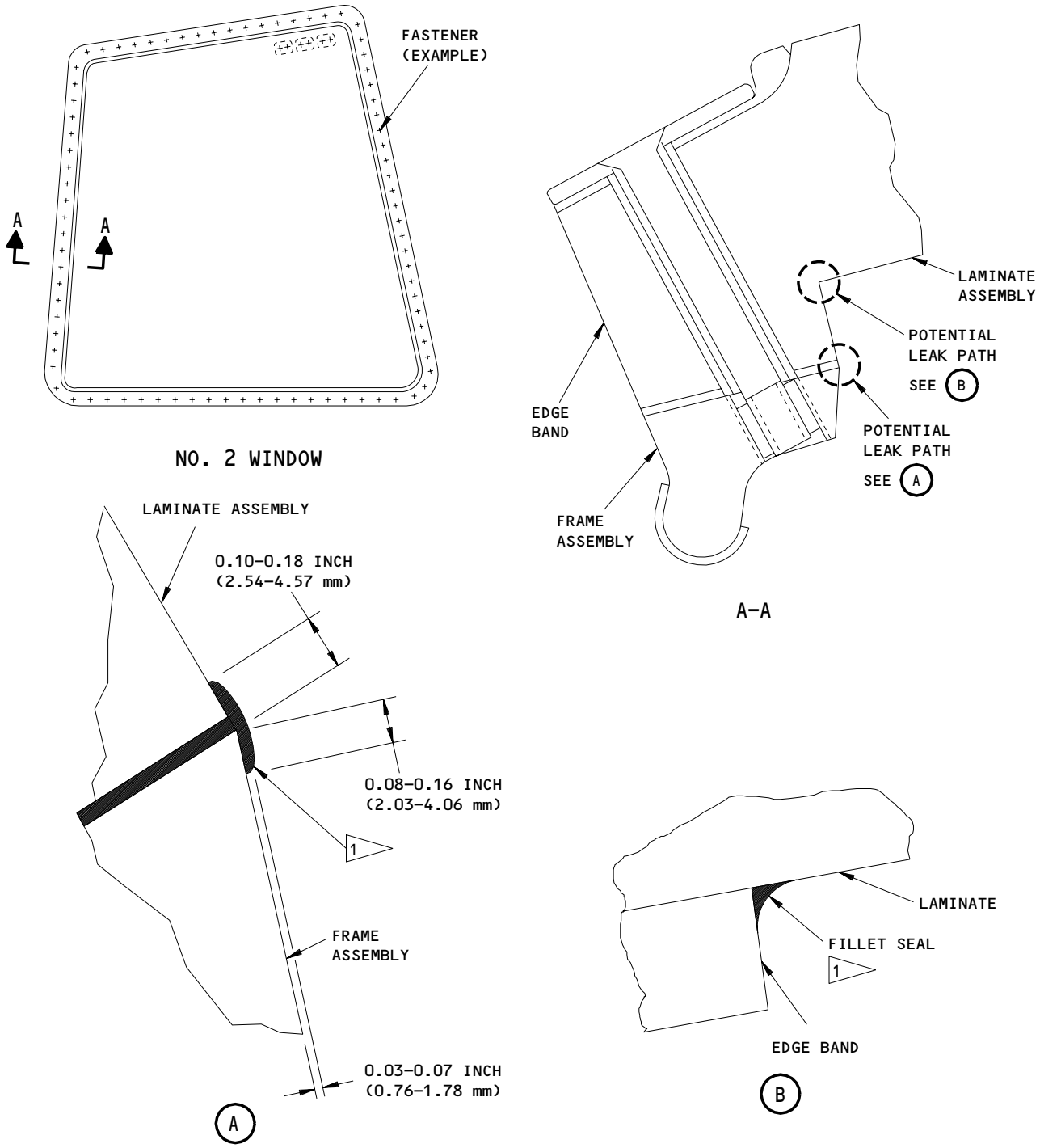

Air Leak at No. 2 Window
Figure 102 (Sheet 3)

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