

THERMOACOUSTIC INSULATION - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove/install the thermoacoustic insulation pads.
- B. The procedures in this section are given in the sequence below. The tasks identified with (◆) are part of the Scheduled Maintenance Requirements Document (SMRD).

| TASK NUMBER | DESCRIPTION | EFFECTIVITY |
|--------------------|--|--------------------------|
| 25-81-01-000-801-A | THERMOACOUSTIC INSULATION - REMOVAL | ACFT MODEL(S) EMB-145 |
| 25-81-01-400-801-A | THERMOACOUSTIC INSULATION - INSTALLATION | ACFT MODEL(S) EMB-145 |

TASK 25-81-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. THERMOACOUSTIC INSULATION - REMOVAL

A. General

- (1) This task gives the procedures to remove the thermoacoustic insulation pads.
- (2) The thermoacoustic insulation pads are installed to the fuselage structure (between frame/bulkhead), to the doors, to the emergency exits, and under the floor panels, at zones 113, 114, 123, 124, 131, 132, 141, 142, 151 through 154, 161, 162, 171, 172, 213, 214, 223 through 226, 231 through 234, 241 through 244, 251 through 254, 261 through 264, and 271 through 274.

B. References

| REFERENCE | DESIGNATION |
|---|---|
| AMM MPP 06-41-01-100 | - |
| AMM MPP 06-41-03/100 | - COMPONENT LOCATION |
| AMM TASK 21-20-04-000-801-A/400 | - |
| AMM TASK 25-12-01-000-801-A/400 | COCKPIT LINING - REMOVAL |
| AMM TASK 25-12-04-000-801-A/400 | RH AFT CONSOLE - REMOVAL |
| AMM TASK 25-12-05-000-801-A/400 | LH AFT CONSOLE - REMOVAL |
| AMM TASK 25-12-06-000-801-A/400 | PEDAL ASSEMBLY LINING - REMOVAL |
| AMM TASK 25-12-09-000-801-A/400 | LH/RH COCKPIT LINING - REMOVAL |
| AMM TASK 25-22-03-000-801-A/400 | OVERHEAD BIN - REMOVAL |
| AMM TASK 25-22-04-000-801-A/400 | - |
| AMM TASK 25-22-05-000-801-A/400 | PSUS - REMOVAL |
| AMM TASK 25-23-01-000-801-A/400 | - |
| AMM TASK 25-23-02-000-801-A/400 | - |
| AMM TASK 25-23-03-000-801-A/400 | PASSENGER-CABIN ESCAPE-HATCH LINING - REMOVAL |
| AMM TASK 25-23-04-000-801-A/400 | MAIN-DOOR LINING PANEL - REMOVAL |
| AMM TASK 25-23-05-000-801-A/400 | SERVICE DOOR LINING PANELS - REMOVAL |
| AMM TASK 25-23-08-000-801-A/400 | ESCAPE-HATCH TRIM SHROUD - REMOVAL |
| AMM TASK 25-26-02-000-801-A/400 | - |
| AMM TASK 25-26-02-000-802-A/400 | - |
| AMM TASK 25-30-05-000-802-A/400 | OUTBOARD GALLEY - REMOVAL |
| AMM TASK 25-51-01-000-801-A/400 | BAGGAGE COMPARTMENT LINING - REMOVAL |
| AMM TASK 25-51-02-000-801-A/400 | BAGGAGE DOOR LINING - REMOVAL |
| AMM TASK 32-00-01-910-801-A/200 | LG SAFETY PIN - INSTALLATION AND REMOVAL |
| AMM TASK 32-00-02-910-801-A/200 | SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL |
| AMM TASK 53-01-01-000-801-A/400 | COCKPIT FLOOR PANELS - REMOVAL |
| AMM TASK 53-01-02-000-801-A/400 | - |

(Continued)

| REFERENCE | DESIGNATION |
|---------------------------------|--|
| AMM TASK 53-01-03-000-801-A/400 | BAGGAGE-COMPARTMENT FLOOR PANELS - REMOVAL |
| AMM TASK 53-01-04-000-801-A/400 | REAR ELECTRONIC-COMPARTMENT FLOOR PANELS - REMOVAL |
| S.B.145-25-0158 | - |
| TASK 25-30-05-000-801-A | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|--------------------------------|
| 113 | 113CZ | Forward electronic compartment |
| 223 | 223GZ | Cockpit |
| 223 | 223KLW | Cockpit |
| 223 | 223JLW | Cockpit |
| 224 | 224GZ | Cockpit |
| 224 | 224KRW | Cockpit |
| 224 | 224JRW | Cockpit |
| 272 | 272DR | Rear electronic compartment |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------------------------|----------------|-----------------|-----|
| Commercially available | Rubber gloves | Hand protection | 1 |
| Commercially available | Safety goggles | Eye protection | 1 |

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION | QTY |
|--------------------------|-------------|-----|
| MIL-PRF-680 | Solvent | AR |

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|---|
| 1 | Does the task | Cockpit - Passenger cabin and Baggage compartment |

I. Preparation

SUBTASK 841-015-B

- (1) Remove the pedal assembly lining ([AMM TASK 25-12-06-000-801-A/400](#)).
- (2) Remove the cockpit ceiling lining, as applicable ([AMM TASK 25-12-01-000-801-A/400](#)).
- (3) Remove the LH/RH cockpit linings, as applicable ([AMM TASK 25-12-09-000-801-A/400](#)).
- (4) Remove the RH aft console lining, as applicable ([AMM TASK 25-12-04-000-801-A/400](#)).
- (5) Remove the LH aft console lining, as applicable ([AMM TASK 25-12-05-000-801-A/400](#)).
- (6) Remove the cockpit floor panels, as applicable ([AMM TASK 53-01-01-000-801-A/400](#)).
- (7) On the cockpit to get access to the pressure bulkhead, remove these access panels: 223KLW, 223JLW, 223GZ, 224GZ, 224KRW and 224JRW ([AMM MPP 06-41-03/100](#)).
- (8) Remove the RH wardrobe, as applicable (AMM TASK 25-26-02-000-801-A/400) or (AMM TASK 25-26-02-000-802-A/400).
- (9) Remove the outboard galley, as applicable (TASK 25-30-05-000-801-A) or ([AMM TASK 25-30-05-000-802-A/400](#)).
- (10) Remove the service door panel, as applicable ([AMM TASK 25-23-05-000-801-A/400](#)).
- (11) Remove the main door panel, as applicable ([AMM TASK 25-23-04-000-801-A/400](#)).
- (12) Remove the headliner, as applicable (AMM TASK 25-22-04-000-801-A/400).
- (13) Remove the overhead bins, as applicable ([AMM TASK 25-22-03-000-801-A/400](#)).
- (14) Remove the passenger service units, as applicable ([AMM TASK 25-22-05-000-801-A/400](#)).
- (15) Remove the sidewall lining panels, as applicable (AMM TASK 25-23-01-000-801-A/400).
- (16) Remove the escape-hatch trim shroud assembly, as applicable ([AMM TASK 25-23-08-000-801-A/400](#)).
- (17) Remove the overwing escape-hatch lining, as applicable ([AMM TASK 25-23-03-000-801-A/400](#)).
- (18) Remove the skirting lining panels, as applicable (AMM TASK 25-23-02-000-801-A/400).
- (19) Remove the air conditioning ducts (AMM TASK 21-20-04-000-801-A/400), as applicable.

- (20) Remove the passenger-cabin floor panels, as applicable (AMM TASK 53-01-02-000-801-A/400).
- (21) Remove the baggage compartment lining, as applicable ([AMM TASK 25-51-01-000-801-A/400](#)).
- (22) Remove the baggage door lining, as applicable ([AMM TASK 25-51-02-000-801-A/400](#)).
- (23) Remove the baggage-compartment floor panels, as applicable ([AMM TASK 53-01-03-000-801-A/400](#)).
- (24) On the rear electronic compartment open the access door 272DR (AMM MPP 06-41-01/100).
- (25) Remove the rear electronic-compartment floor panels, if applicable ([AMM TASK 53-01-04-000-801-A/400](#)).
- (26) Use the procedures to put the safety pin on the nose landing gear ([AMM TASK 32-00-01-910-801-A/200](#)) and ([AMM TASK 32-00-02-910-801-A/200](#)).
- (27) On the nose landing gear compartment open the access door 113CZ to get access to the forward electronic compartment (AMM MPP 06-41-01/100).

J. Removal ([Figure 401](#)) ([Figure 402](#)) ([Figure 403](#)) ([Figure 404](#)) ([Figure 405](#)) ([Figure 406](#)) ([Figure 407](#)) ([Figure 408](#)) ([Figure 409](#)) ([Figure 410](#)) ([Figure 411](#)) ([Figure 412](#)) ([Figure 413](#))

SUBTASK 020-015-B

- NOTE:**
- The procedure to remove the thermoacoustic insulation pads is given as a function of the aircraft areas which the pads must be removed from.
 - Before their removal, identify the thermoacoustic insulation pads to make the installation easier.
 - When defects such as tears, detachments, etc., are found in the insulation pads, replace them.
 - Take care with electrical harness, cables and hydraulic tubing when removing the thermoacoustic insulation pads to prevent damages.

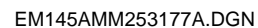
- (1) To remove the electronic thermoacoustic insulation pads do as follows ([Figure 401](#) and [Figure 402](#)):
 - (a) Remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead).
 - (b) Remove the thermoacoustic insulation pads.
- (2) To remove the cockpit thermoacoustic insulation pads do as follows ([Figure 403](#)):
 - (a) Remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead).
 - (b) Remove the thermoacoustic insulation pads.
- (3) To remove the underfloor thermoacoustic insulation pads do as follows ([Figure 404](#)):

- (a) Remove the adhesive tapes from the trim thermoacoustic insulation pads which cover the frame, if applicable.
 - (b) NOTE: The thermoacoustic insulation pads are supported by loops fastener. Refer to DET. C and VIEW E, sheet 4.
Carefully remove the thermoacoustic insulation pads.
 - (c) Identify the thermoacoustic insulation pads to make their installation easier.
 - (d) NOTE: Make sure that the loop-and-hook fastener are not damaged.
If necessary remove the loop-and-hook fastener that is attached to the frames.
- (4) For aircraft with insulation blanket over the frame do as follows ([Figure 405](#)).
 - (a) Remove adhesive type and then remove the insulation blanket. Refer to DET. V and DET. X, sheet 6.
NOTE:
 - Make sure that the Hook-and-Loop fastener is not damaged.
 - Identify the insulation blanket to make its installation easier.
- (5) To remove the passenger cabin thermoacoustic insulation pads do as follows ([Figure 405](#)):
 - (a) Remove the attachment clips from the thermoacoustic insulation pads which are installed to the fuselage structure (between frames/bulkhead). Refer to DET. H and DET. J, sheet 3.
NOTE: Also remove the additional acoustic blankets which are installed to the passenger-cabin ceiling and sidewalls, if applicable.
 - (b) Carefully remove the thermoacoustic insulation pads that are attached to the fuselage structure (between frame/bulkhead) with hook fastener. Refer to DET. F, sheet 3.
 - (c) For thermoacoustic insulation pads with loop-and-hook fastener. Refer to DET. G, sheet 3.
 - 1 Carefully remove the thermoacoustic insulation pads that are attached to the fuselage structure (between frame/bulkhead) with hook fastener.
 - (d) For thermoacoustic insulation pads without loop-and-hook fastener. Refer to DET. G, sheet 3.
 - 1 Remove the adhesive tape from thermoacoustic insulation pads.
 - (e) Remove the tiedown strap from the thermoacoustic insulation pads, which are installed to the fuselage structure (between frame/bulkhead). Refer to DET. N, sheet 4.
 - (f) On the escape hatches, remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. K, sheet 4.

- (g) On the lavatory area, remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. L, sheet 4.
 - (h) On the baggage door, remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. M, DET. S and DET. T, sheets 4 and 5.
 - (i) On the main door, remove the attachment adhesive tapes from the thermoacoustic insulation pads, which are installed to the fuselage structure (between frame/bulkhead). Refer to DET. Q and DET. P, sheet 5.
 - (j) On the service door, remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. R, sheet 5.
- (6) To remove the main door thermoacoustic insulation pads do as follows ([Figure 406](#) and [Figure 407](#)):
- (a) Remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. A.
 - (b) If necessary remove the adhesive tapes with specified solvent.
 - (c) Remove the thermoacoustic insulation pads.
- (7) To remove the thermoacoustic insulation pads around the main door do as follows ([Figure 408](#)):
- (a) Carefully, pull the thermoacoustic insulation pads which are attached to the existing insulation blanket and fuselage structure with adhesive tapes.
 - (b) If necessary remove the adhesive tapes with specified solvent.
 - (c) Remove the thermoacoustic insulation pads.
- (8) To remove the service door thermoacoustic insulation pads do as follows ([Figure 409](#)):
- (a) Remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. B.
 - (b) If necessary remove the adhesive tapes with specified solvent.
 - (c) Remove the thermoacoustic insulation pads.
- (9) To remove the thermoacoustic insulation pads around the service door do as follows ([Figure 410](#)):
- (a) Carefully, pull the thermoacoustic insulation pads which are attached to the existing insulation blanket and fuselage structure with adhesive tapes.
 - (b) If necessary remove the adhesive tapes with specified solvent.
 - (c) Remove the thermoacoustic insulation pads.

- (10) To remove the escape hatches thermoacoustic insulation pads do as follows ([Figure 411](#)):
- (a) Carefully, pull the thermoacoustic insulation pads which are attached to the escape hatch with adhesive tapes.
 - (b) If necessary remove the adhesive tapes with specified solvent.
 - (c) Remove the thermoacoustic insulation pads.
- (11) For aircraft POST-MOD [S.B.145-25-0158](#), to remove the thermoacoustic insulation pads around the escape hatches do as follows ([Figure 412](#)):
- (a) Carefully, pull the thermoacoustic insulation pads which are attached to the existing insulation blanket and fuselage structure with adhesive tapes.
 - (b) If necessary remove the adhesive tapes with specified solvent.
 - (c) Remove the thermoacoustic insulation pads.
- (12) To remove the baggage compartment thermoacoustic insulation pads do as follows ([Figure 413](#)):
- (a) Remove the staples which attach the thermoacoustic insulation pads to the baggage compartment ceiling. Refer to VIEW B and DET. E.
 - (b) Remove the staples which attach the thermoacoustic insulation pads to the baggage compartment sidewall. Refer to VIEW C and DET. E.
 - (c) Remove the clamps which attach the thermoacoustic insulation pads to the baggage compartment sidewall. Refer to DET. D.
 - (d) On the sidewall, remove the adhesive tapes from the thermoacoustic insulation pads, which attach them to the fuselage structure (between frame/bulkhead). Refer to DET. A.

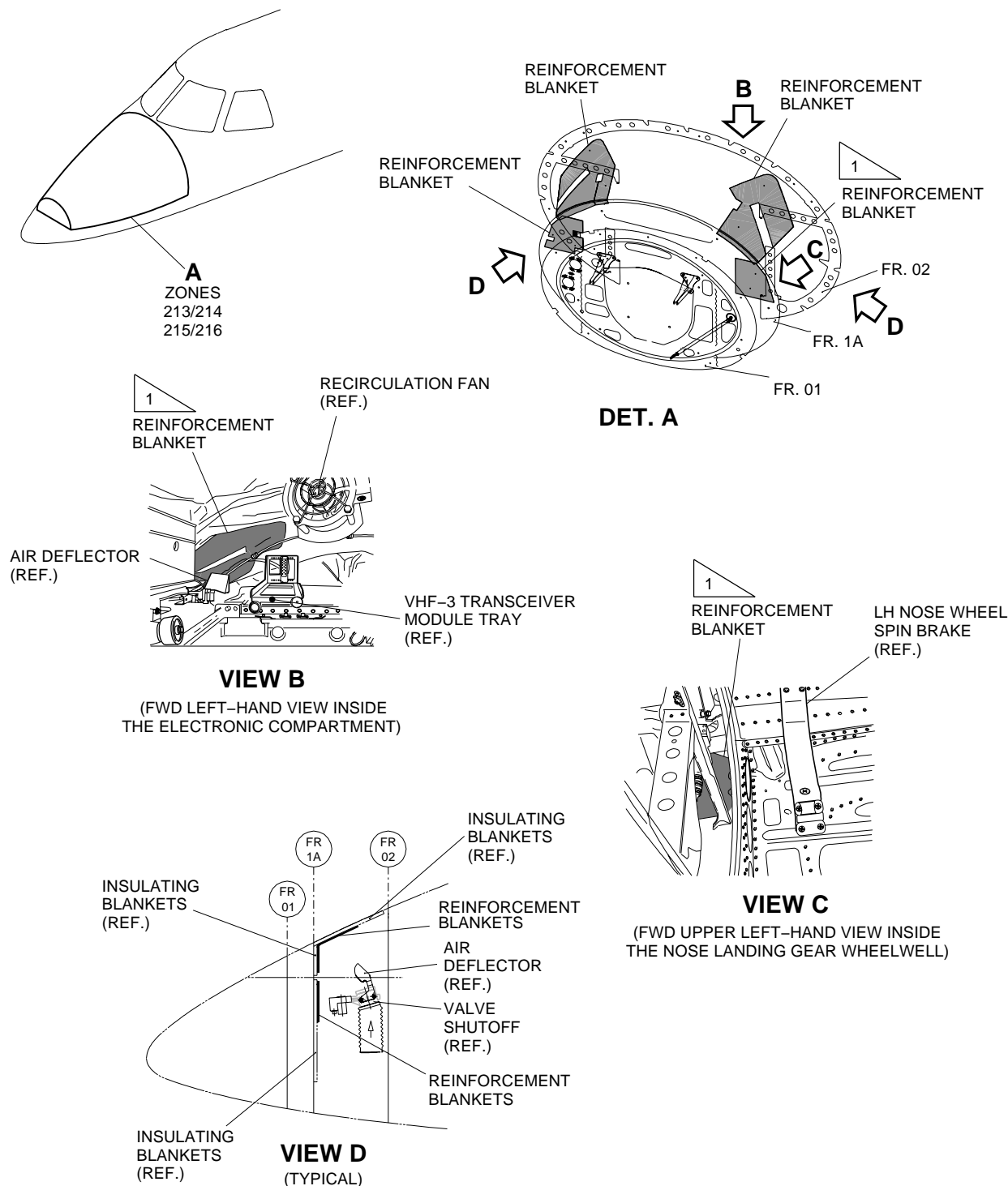
Figure 401



EFFECTIVITY: FOR AIRCRAFT WITH REINFORCED THERMOACOUSTIC INSULATION PAD

Reinforced Thermoacoustic Insulation Pad - Removal/Installation

Figure 402

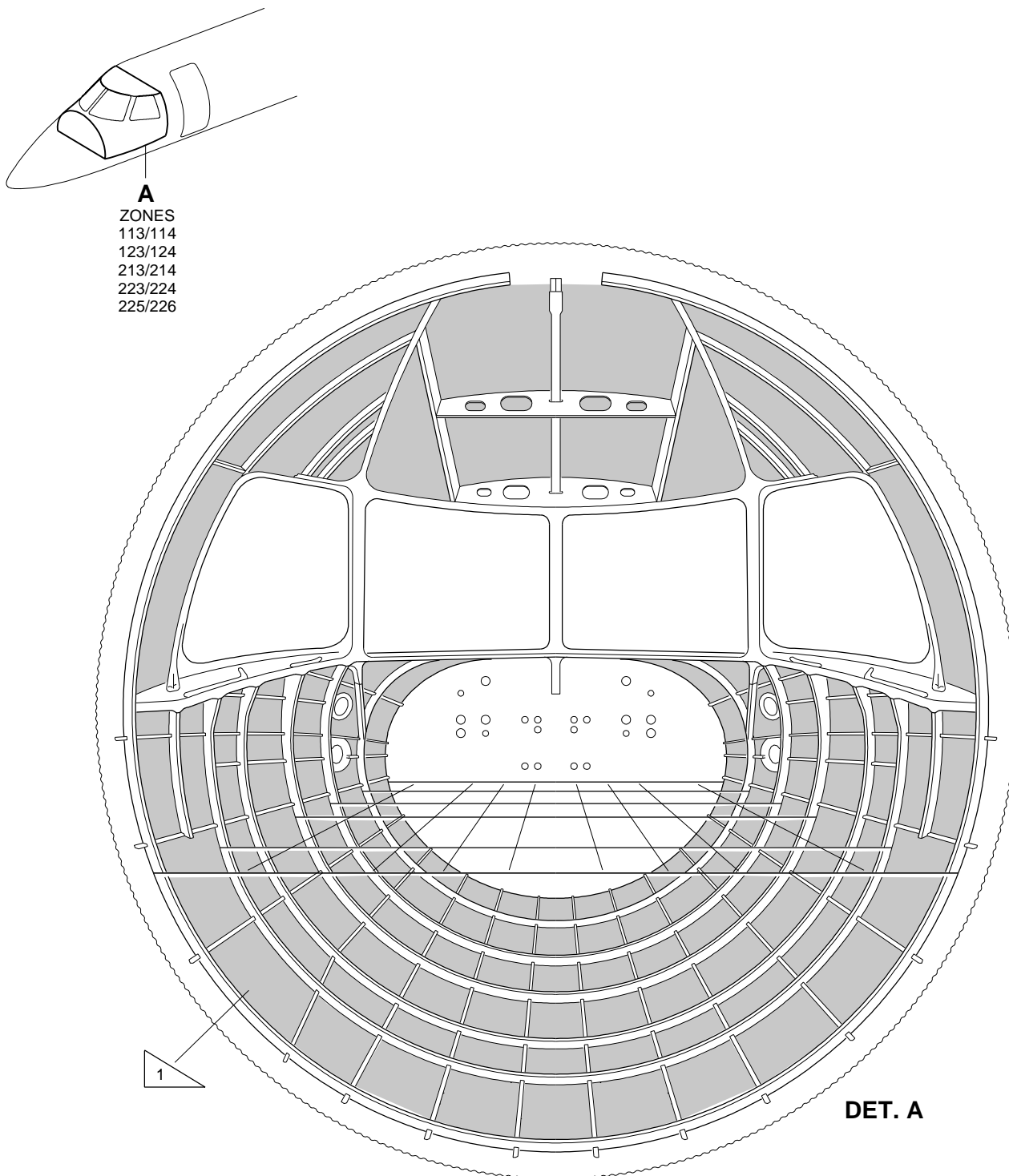


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EFFECTIVITY: ACFT MODEL(S) EMB-145

Cockpit Thermoacoustic Insulation Pad - Removal/Installation

Figure 403



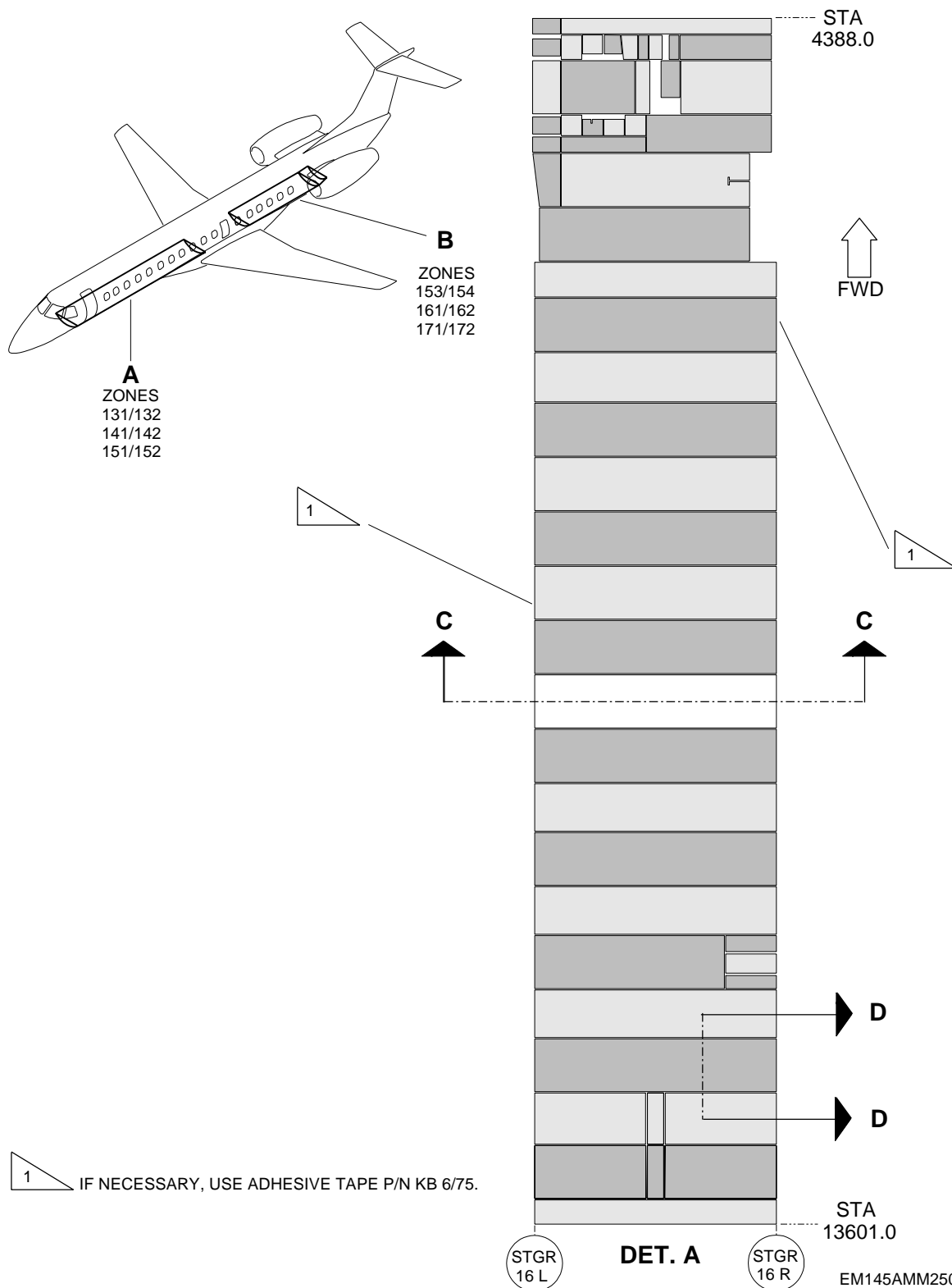
 IF NECESSARY, USE ADHESIVE TAPE P/N KB 6/75

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EFFECTIVITY: ACFT MODEL(S) EMB-145

Underfloor Thermoacoustic Insulation Pad - Removal/Installation

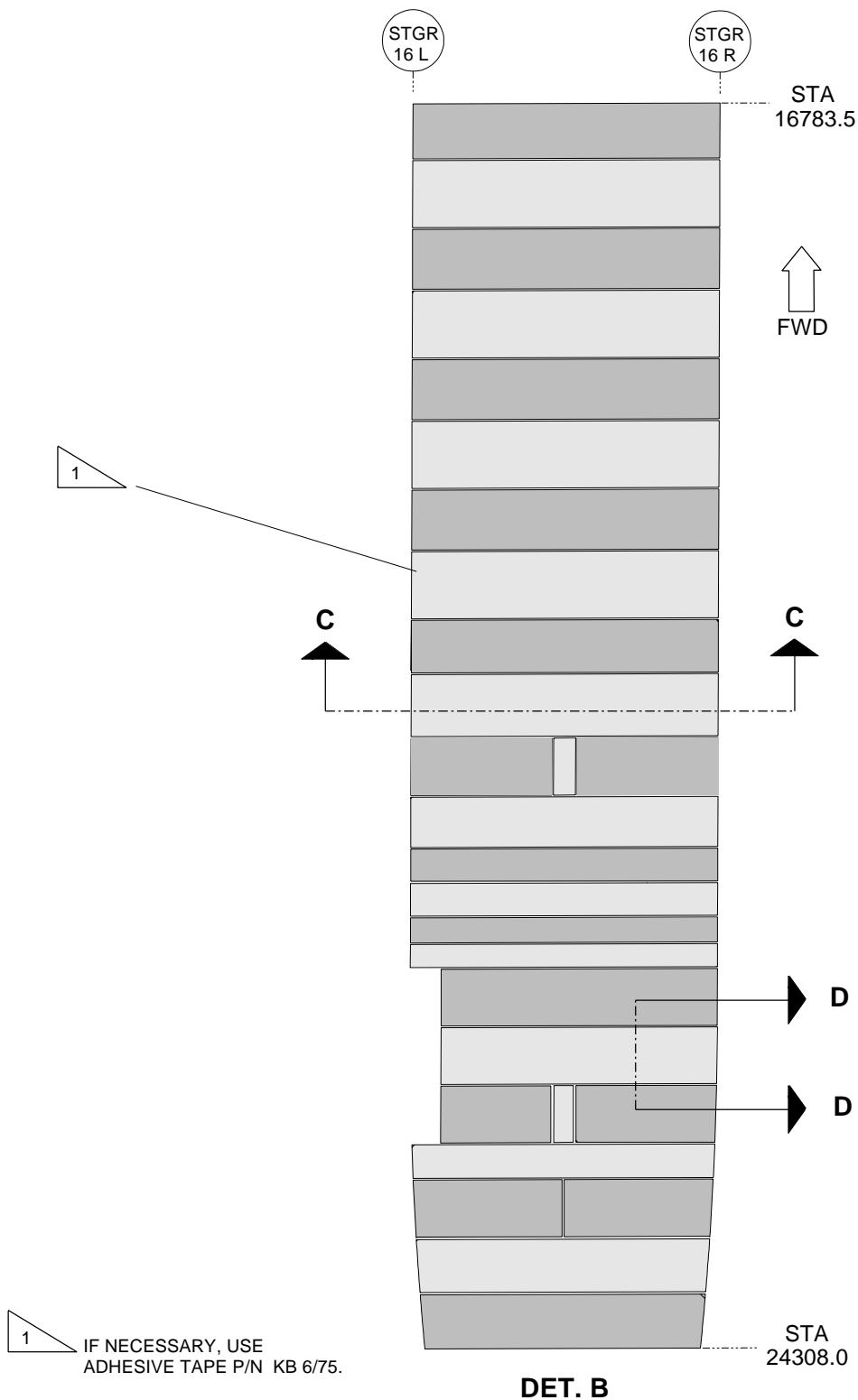
Figure 404 - Sheet 1



EFFECTIVITY: ACFT MODEL(S) EMB-145

Underfloor Thermoacoustic Insulation Pad - Removal/Installation

Figure 404 - Sheet 2

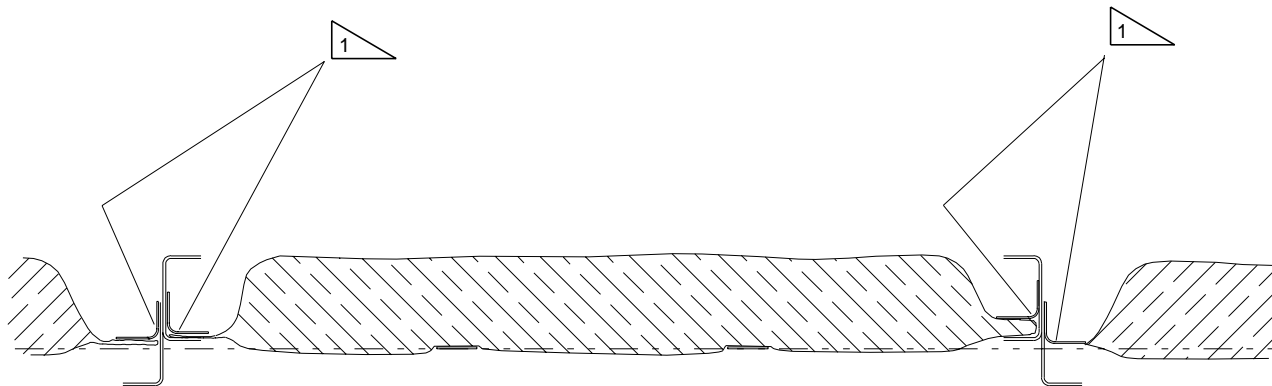


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EFFECTIVITY: ACFT MODEL(S) EMB-145

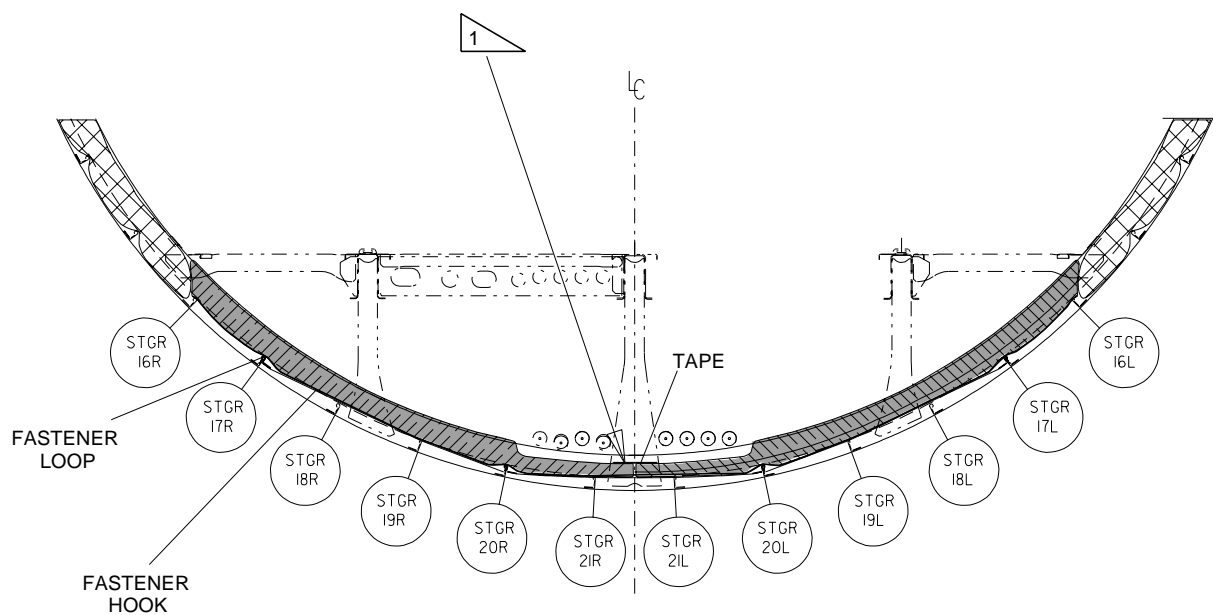
Underfloor Thermoacoustic Insulation Pad - Removal/Installation

Figure 404 - Sheet 3



DET. D

(TYPICAL)



DET. C

(TYPICAL)

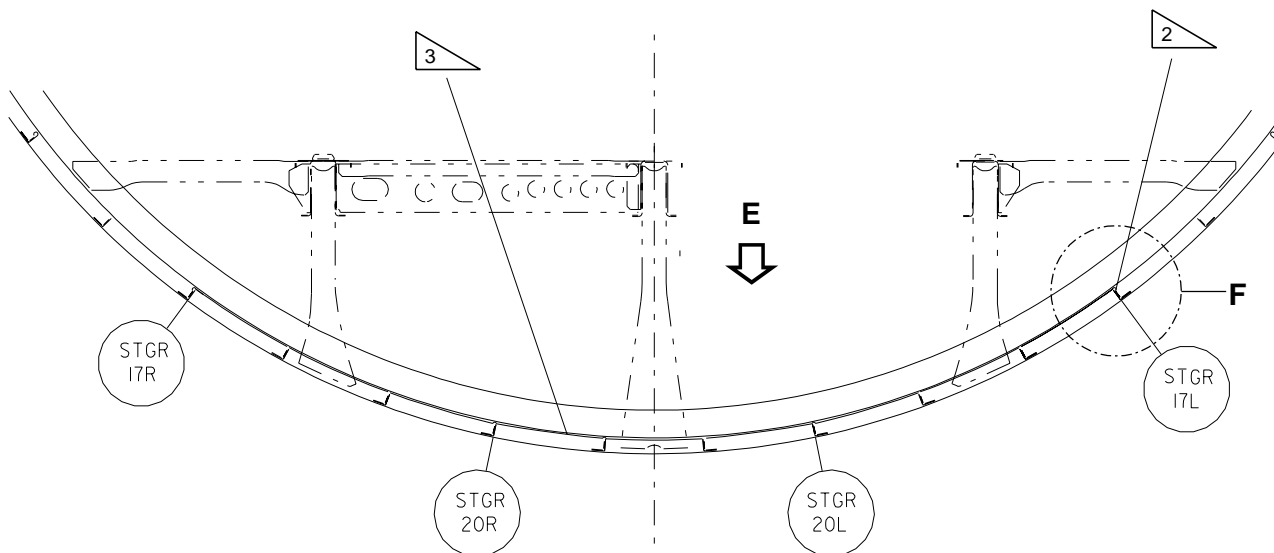
1 IF NECESSARY, USE ADHESIVE TAPE P/N KB 6/75

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EFFECTIVITY: ACFT MODEL(S) EMB-145

Underfloor Thermoacoustic Insulation Pad - Removal/Installation

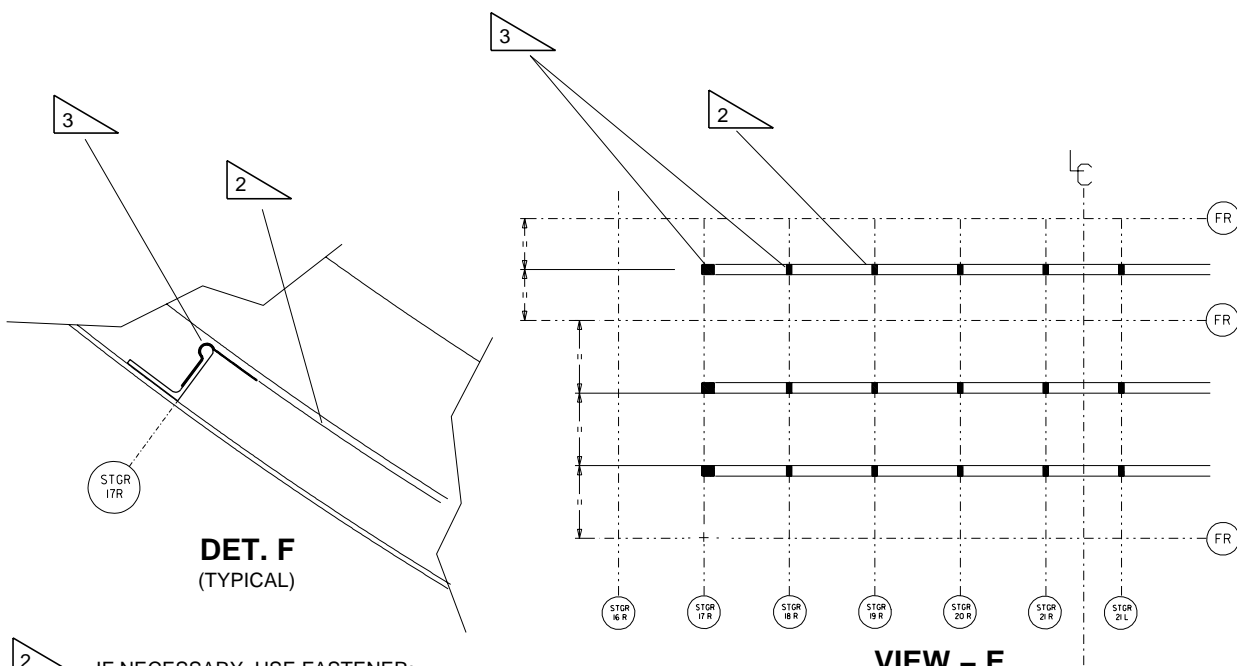
Figure 404 - Sheet 4



DET. C

(TYPICAL)

WITHOUT THERMOACOUSTIC TO CLARITY



2

IF NECESSARY, USE FASTENER:
LOOP – PN PS8223LOOP009BEIGE200–5/8" OR PN 129199
HOOK – PN PS8223HOOK081BEIGE200–5/8" OR PN 129112

3

IF NECESSARY, USE FASTENER HOOK P/N SJ3419 OR LOOP P/N SJ3418

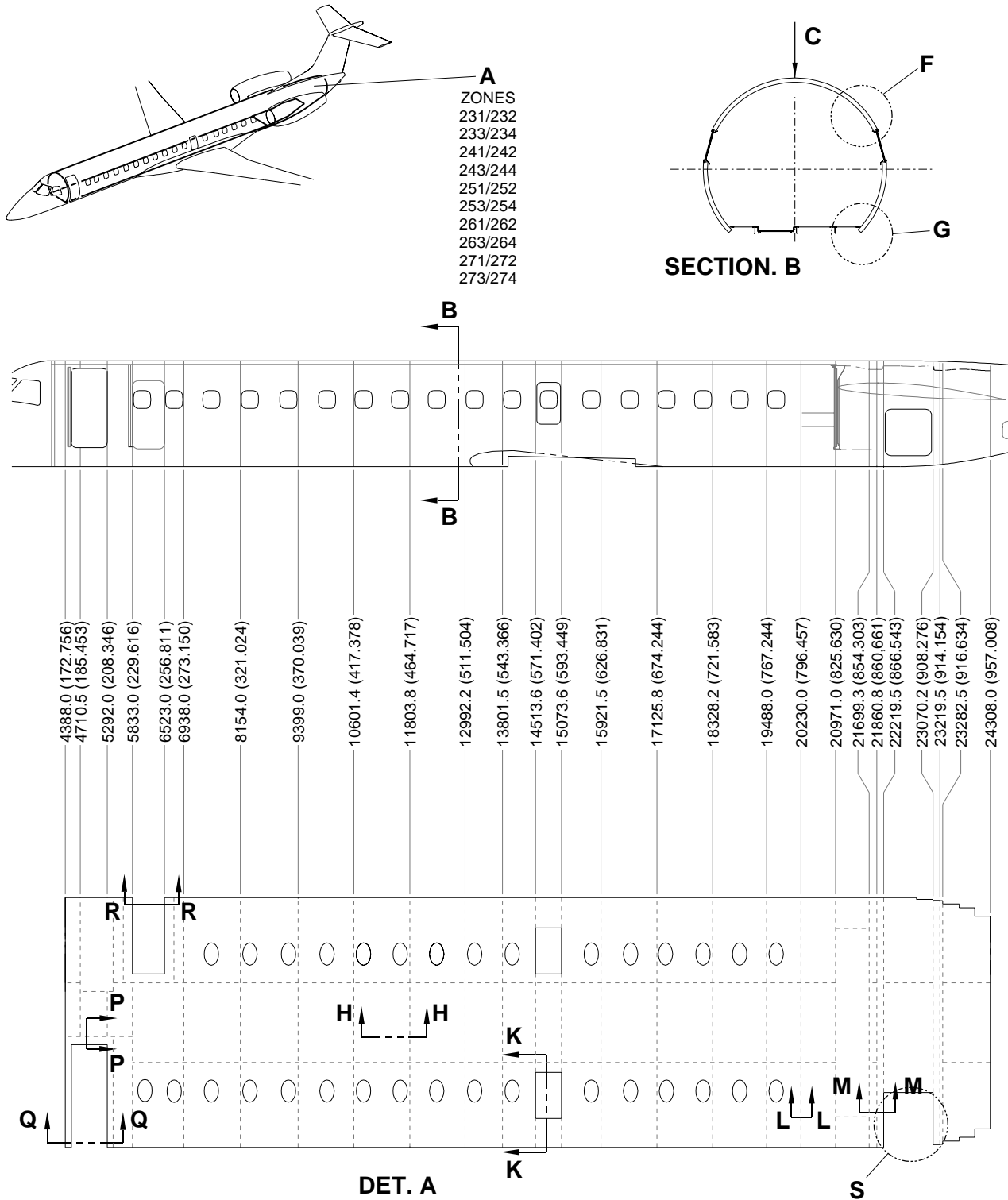
VIEW - E

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EFFECTIVITY: ACFT MODEL(S) EMB-145

Passenger Cabin Thermoacoustic Insulation Pad - Removal/Installation

Figure 405 - Sheet 1

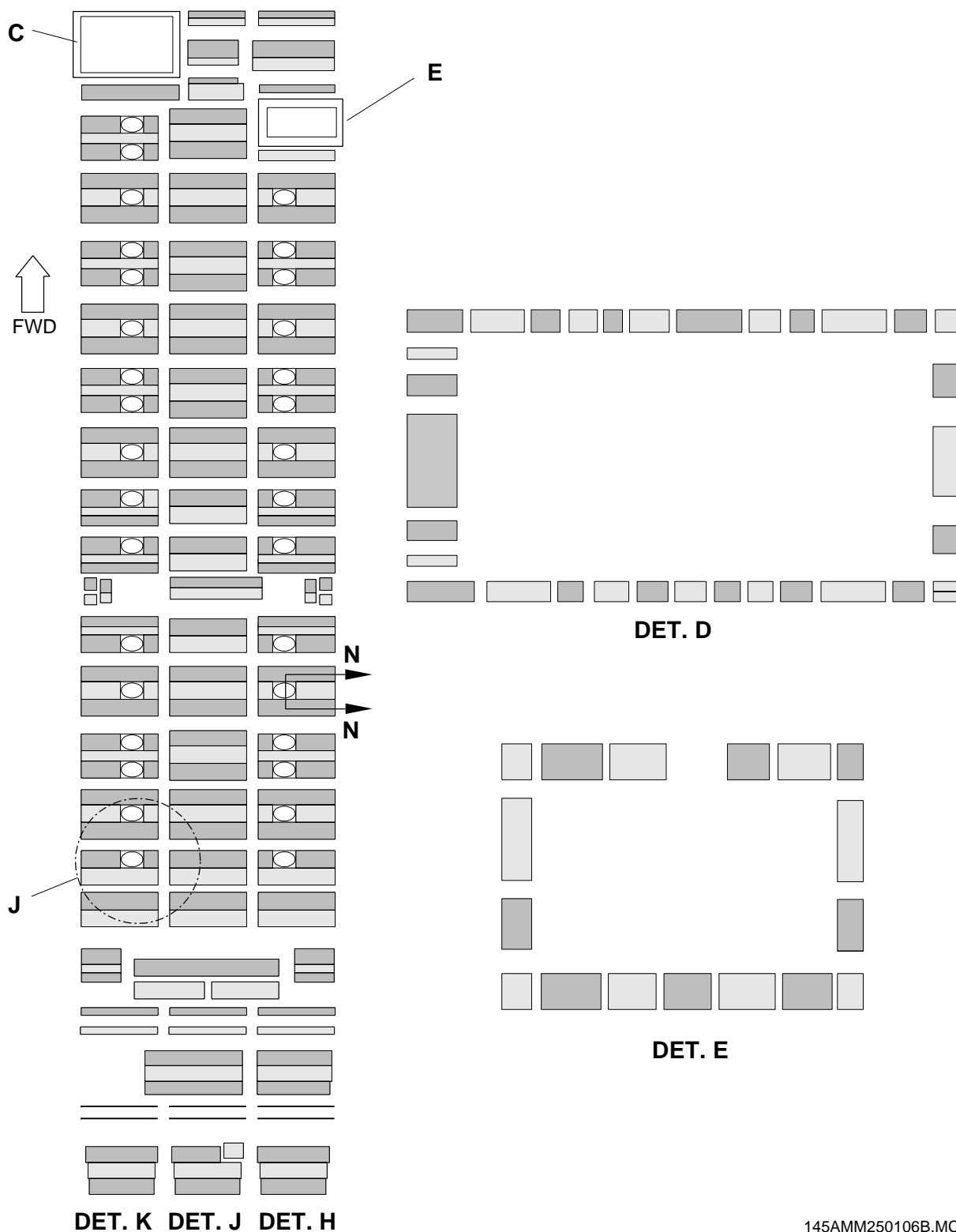


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EFFECTIVITY: ACFT MODEL(S) EMB-145

Passenger Cabin Thermoacoustic Insulation Pad - Removal/Installation

Figure 405 - Sheet 2

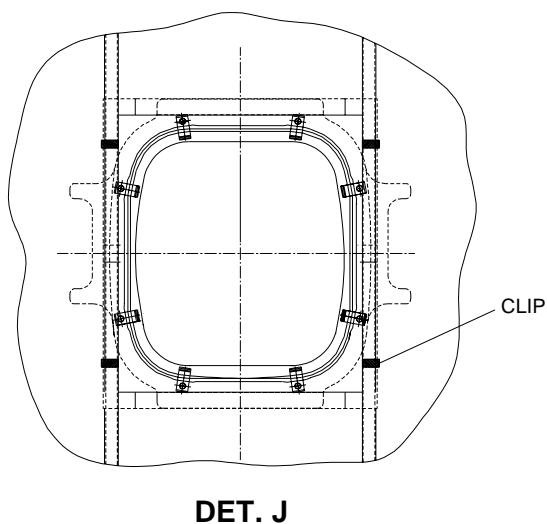
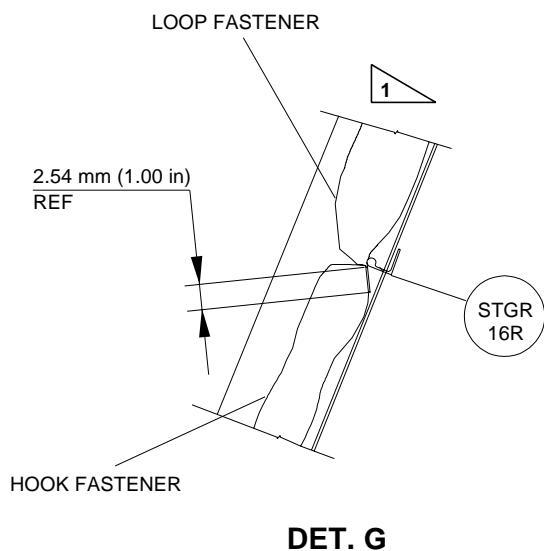
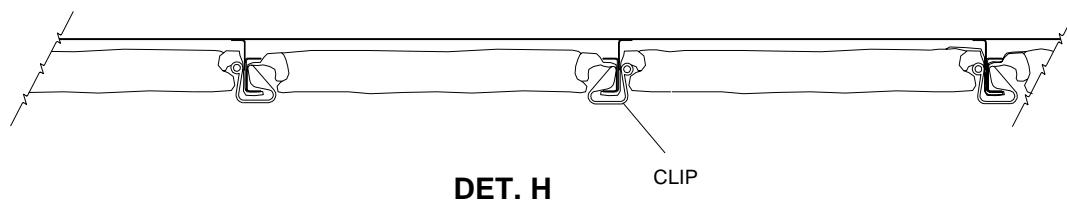
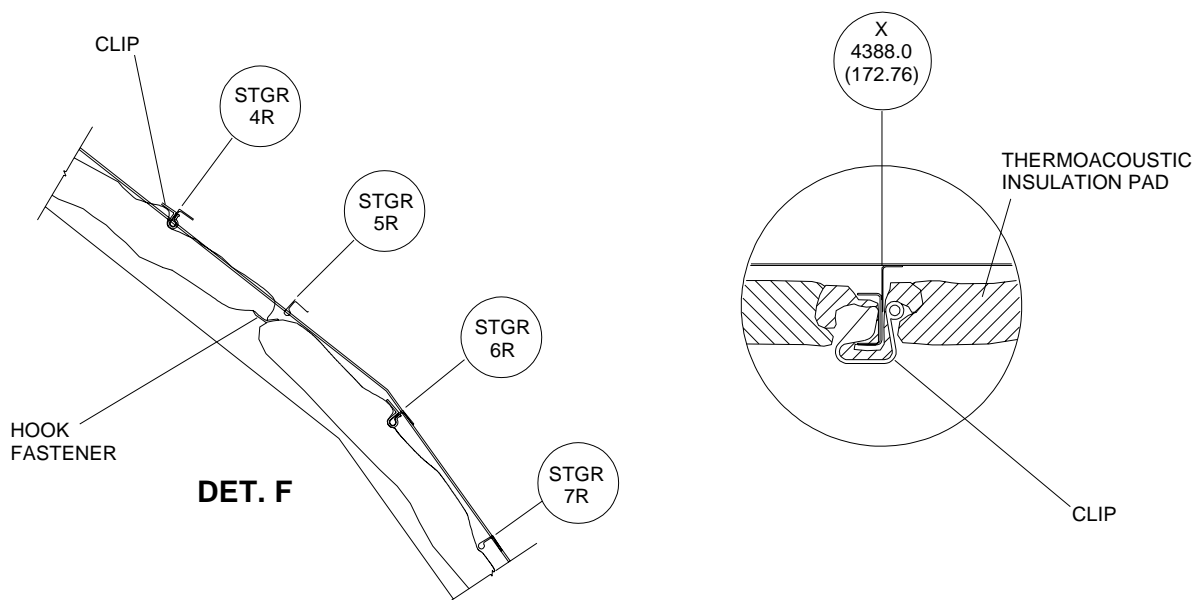


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EFFECTIVITY: ACFT MODEL(S) EMB-145

Passenger Cabin Thermoacoustic Insulation Pad - Removal/Installation

Figure 405 - Sheet 3



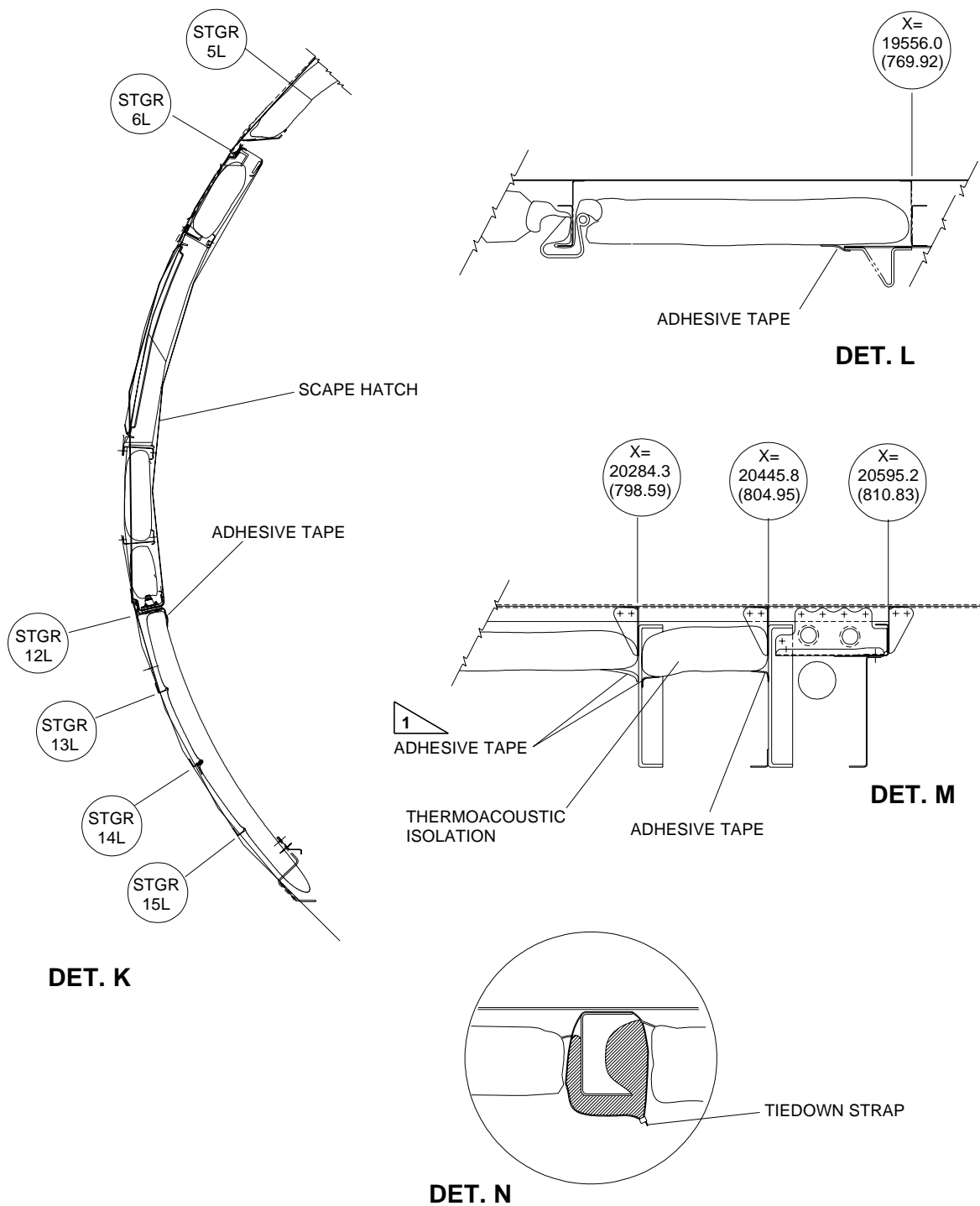
1 FOR THERMOACOUSTIC INSULATION PADS WITHOUT FASTENER
USE ADHESIVE TAPE P/N KB 6/75

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EFFECTIVITY: ACFT MODEL(S) EMB-145

Passenger Cabin Thermoacoustic Insulation Pad - Removal/Installation

Figure 405 - Sheet 4



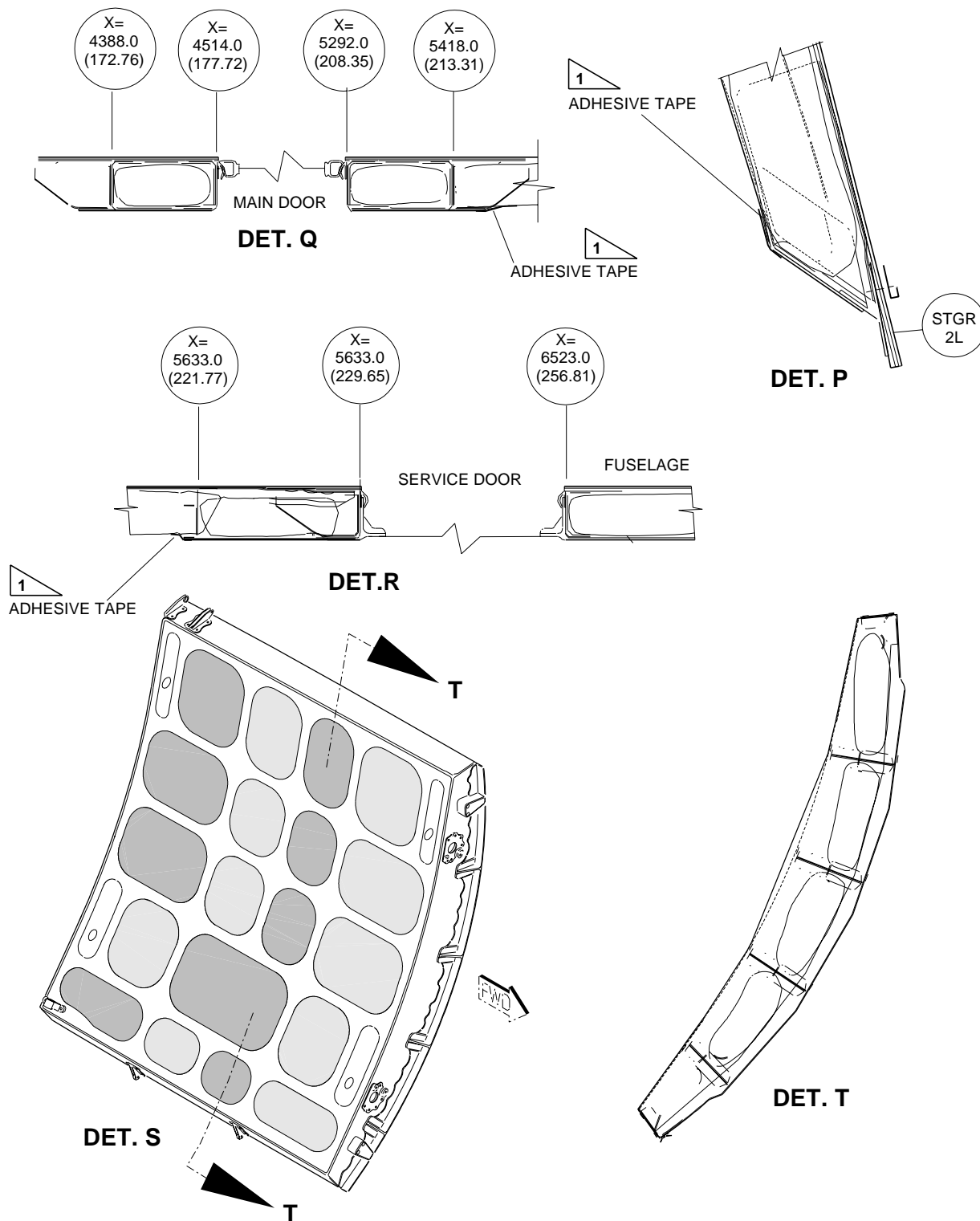
1 USE ADHESIVE TAPE P/N OT-57CW OR OT-258C

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EFFECTIVITY: ACFT MODEL(S) EMB-145

Passenger Cabin Thermoacoustic Insulation Pad - Removal/Installation

Figure 405 - Sheet 5

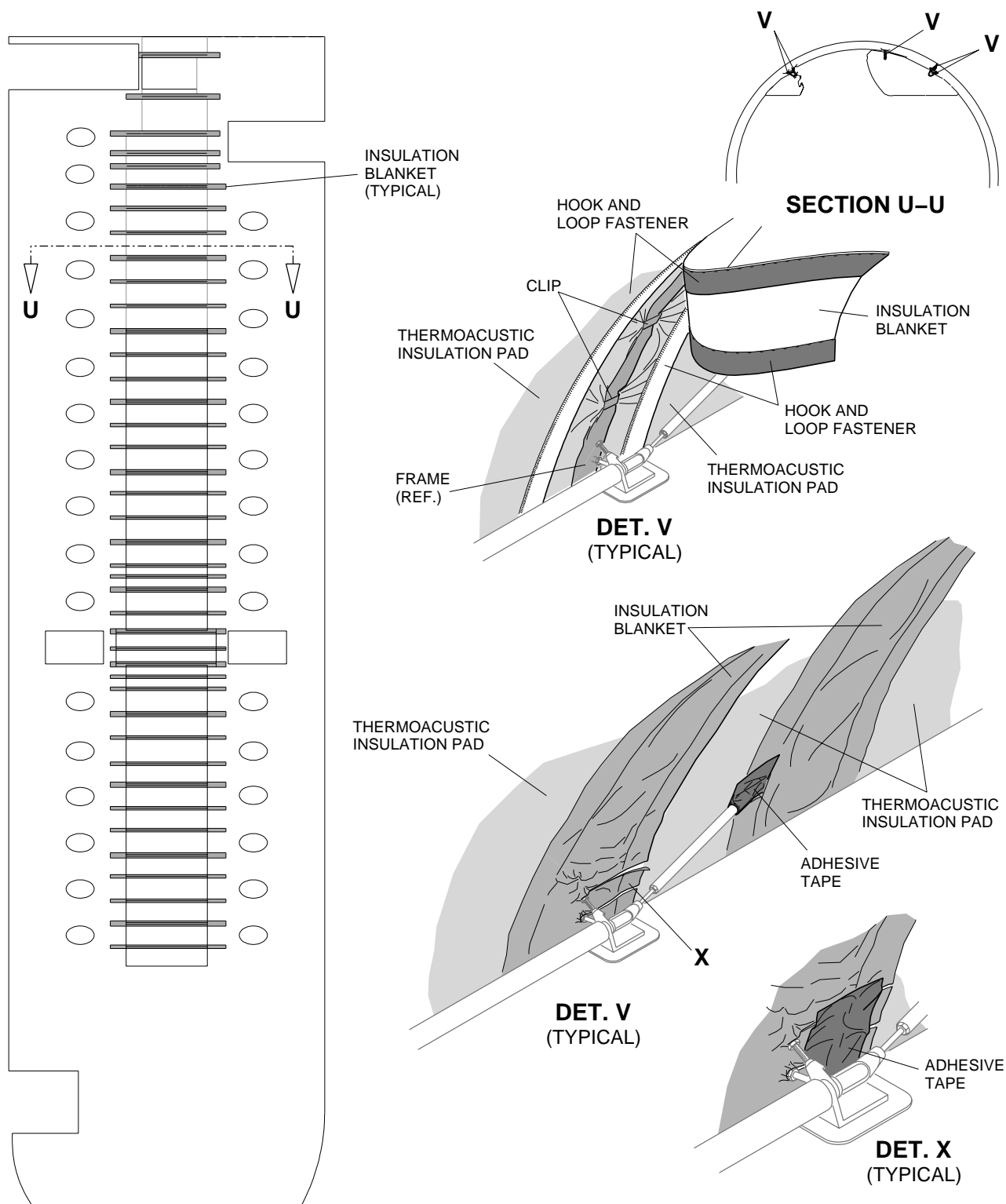


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EFFECTIVITY: ACFT MODEL(S) EMB-145

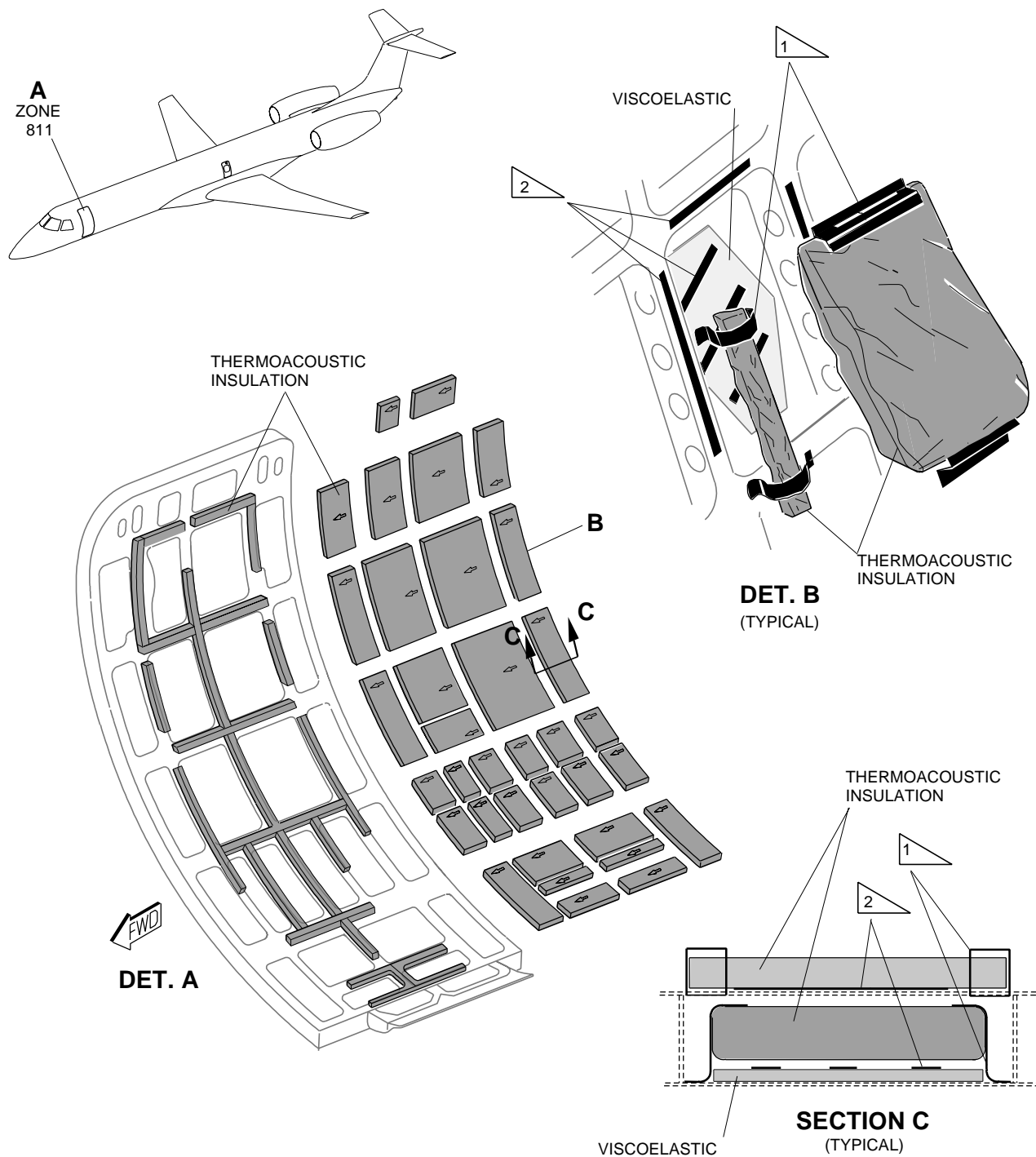
Passenger Cabin Thermoacoustic Insulation Pad - Removal/Installation

Figure 405 - Sheet 6



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EFFECTIVITY: FOR AIRCRAFT WITH AIRSTAIRS DOOR
Main Door Thermoacoustic Insulation Pad - Removal/Installation
Figure 406

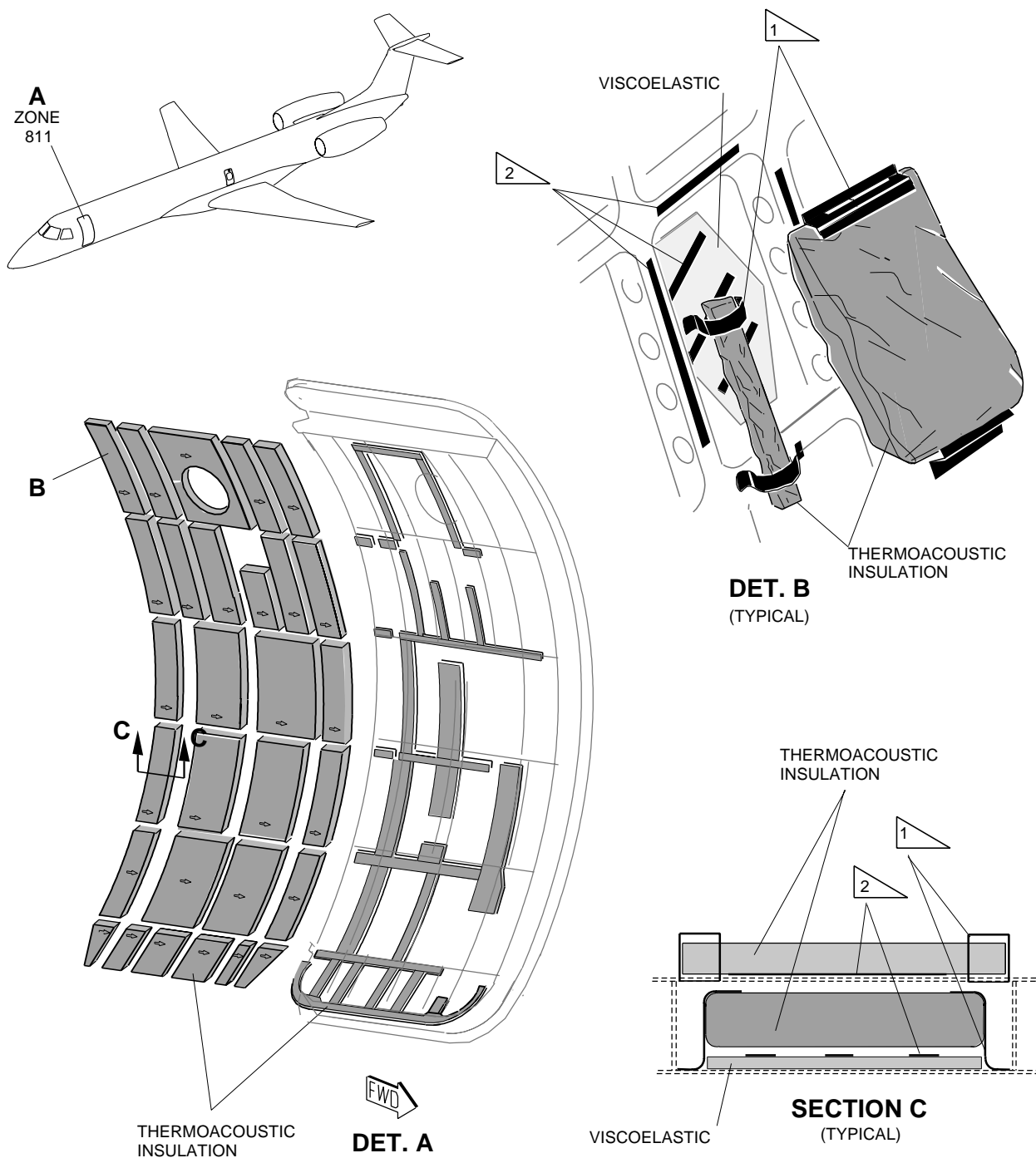


1 IF NECESSARY, USE ADHESIVE TAPE P/N KB42/75

2 ADHESIVE TAPE P/N 666

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EFFECTIVITY: FOR AIRCRAFT WITH SIDE-HINGED DOOR
Main Door Thermoacoustic Insulation Pad - Removal/Installation
Figure 407



1 IF NECESSARY, USE ADHESIVE TAPE P/N KB42/75

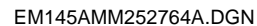
2 ADHESIVE TAPE P/N 666

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AIRCRAFT MAINTENANCE MANUAL

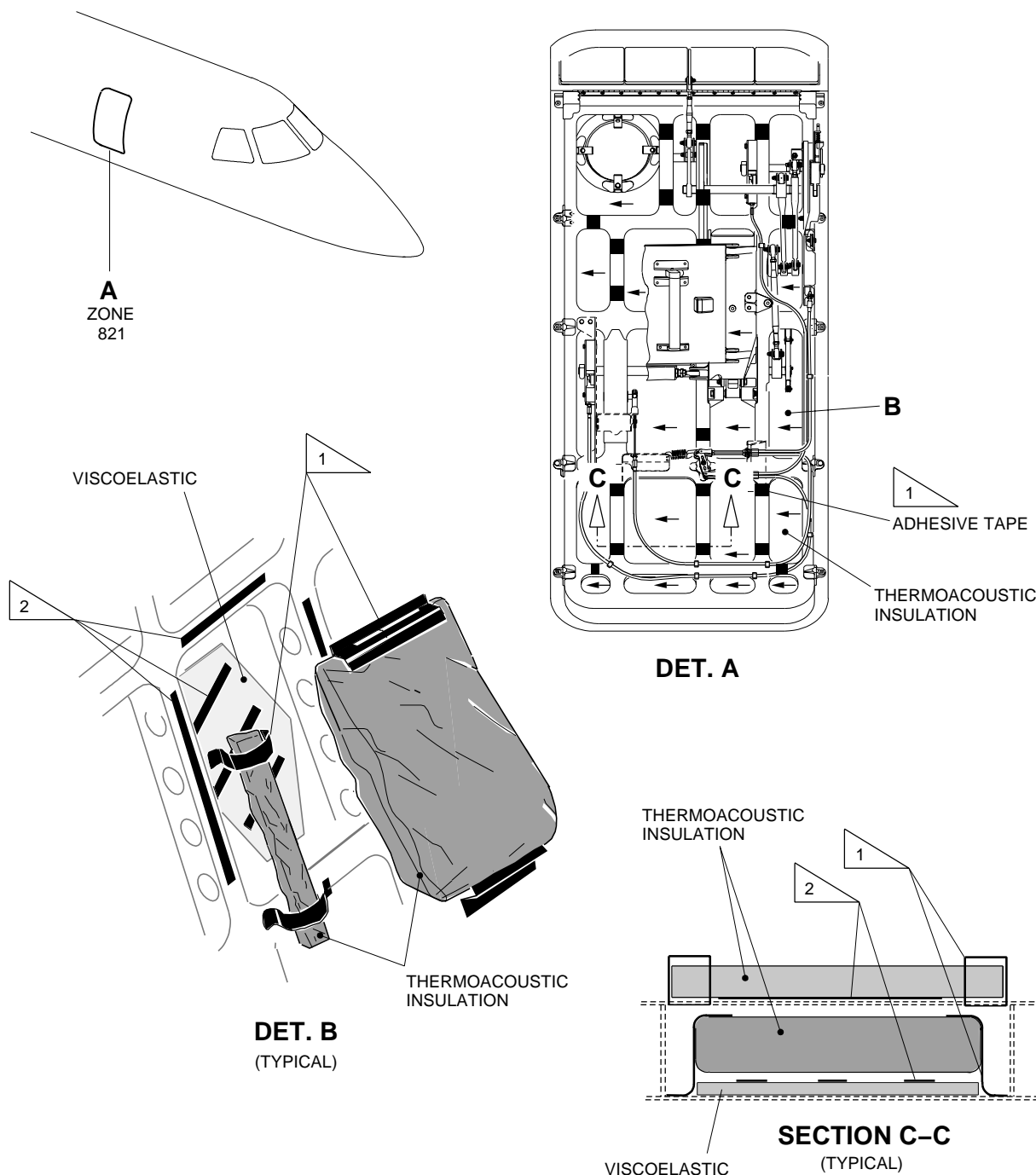
Figure 408



EFFECTIVITY: ACFT MODEL(S) EMB-145

Service Door Thermoacoustic Insulation Pad - Removal/Installation

Figure 409



1 IF NECESSARY, USE ADHESIVE TAPE P/N KB42/75 TO ATTACH SILVER GRAY INSULATION.

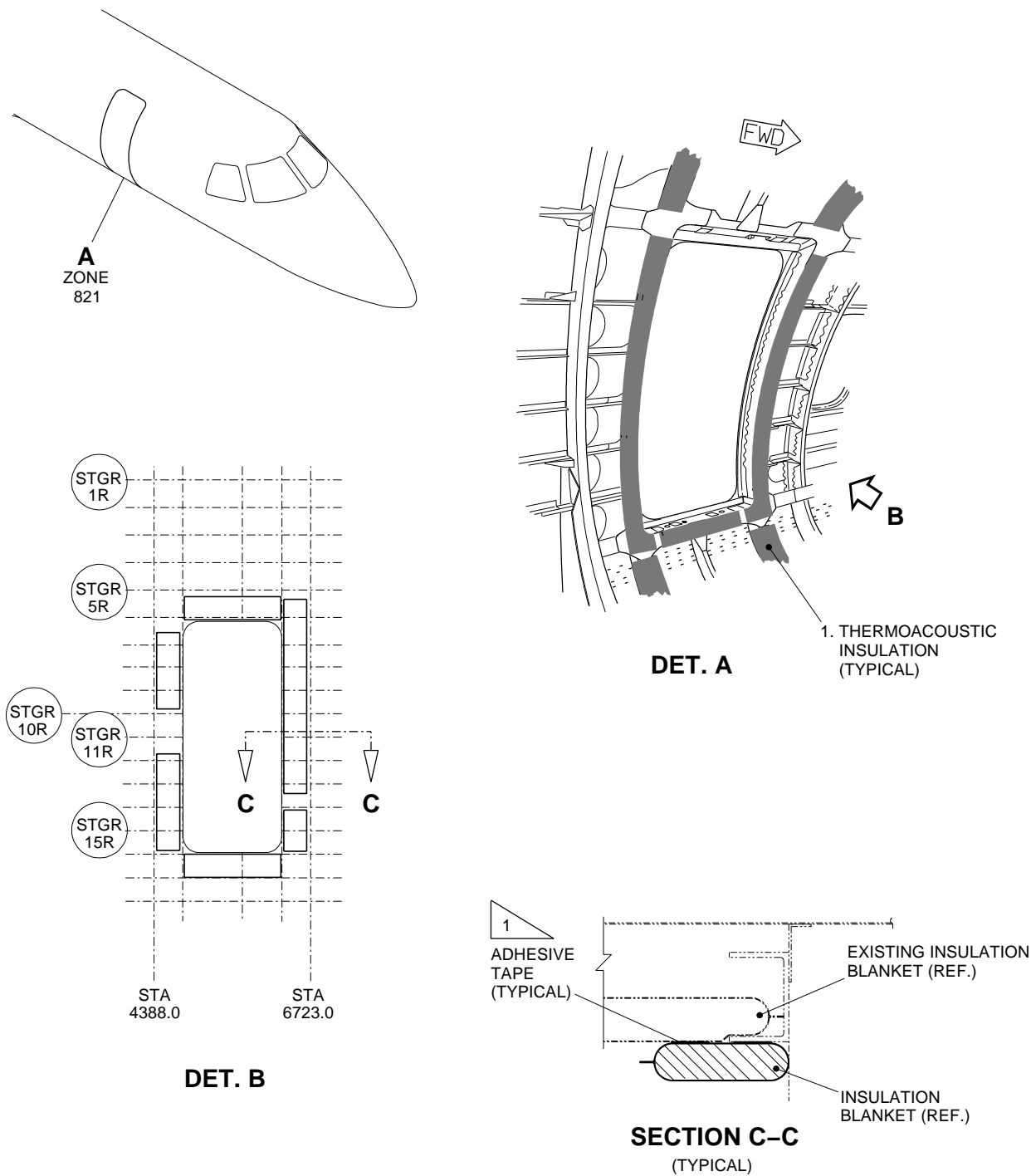
2 ADHESIVE TAPE P/N 666

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EFFECTIVITY: ACFT MODEL(S) EMB-145

Around Service Door Thermoacoustic Insulation Pad - Removal/Installation

Figure 410

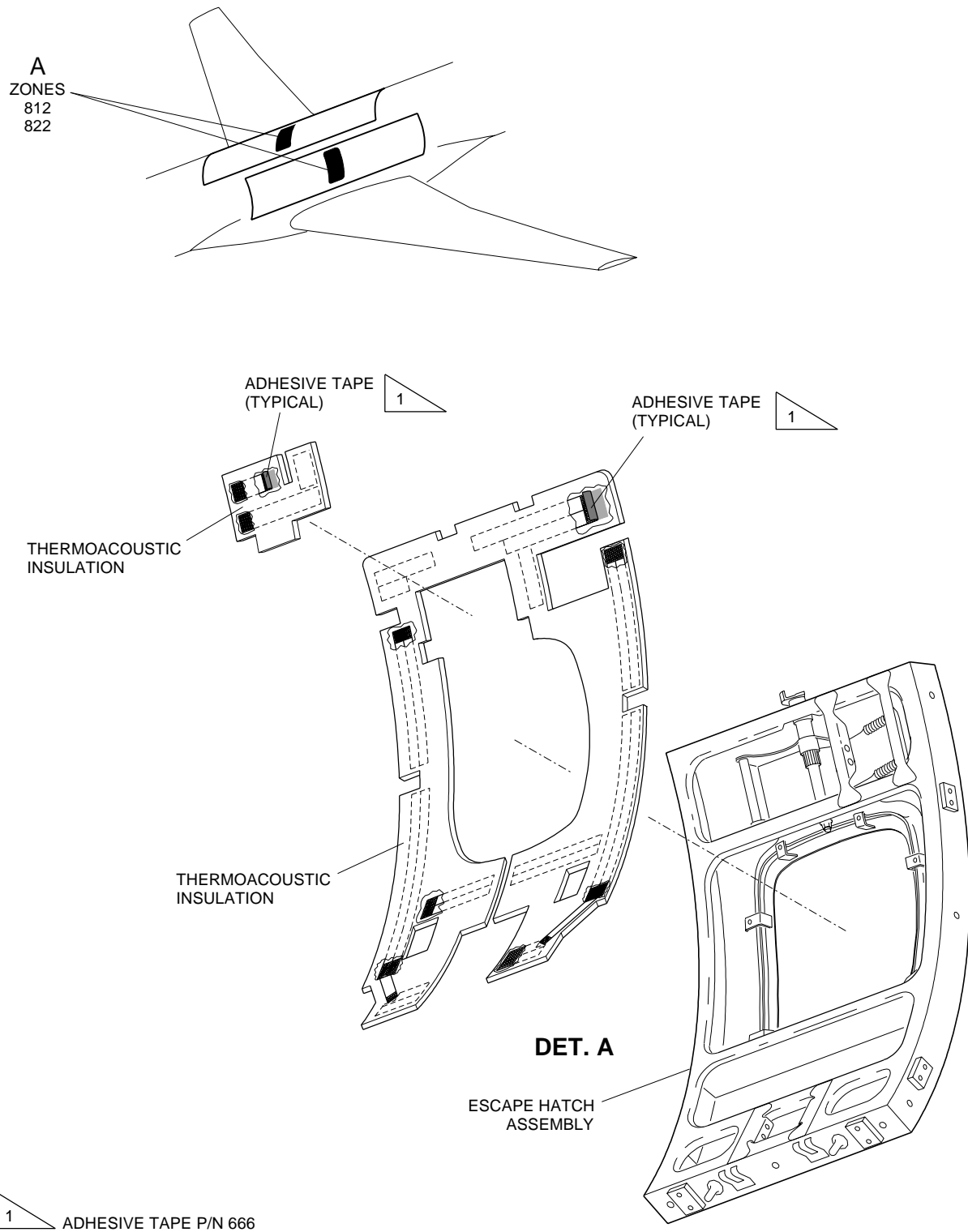


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EFFECTIVITY: ACFT MODEL(S) EMB-145

Escape Hatch Door Thermoacoustic Insulation Pad - Removal/Installation

Figure 411

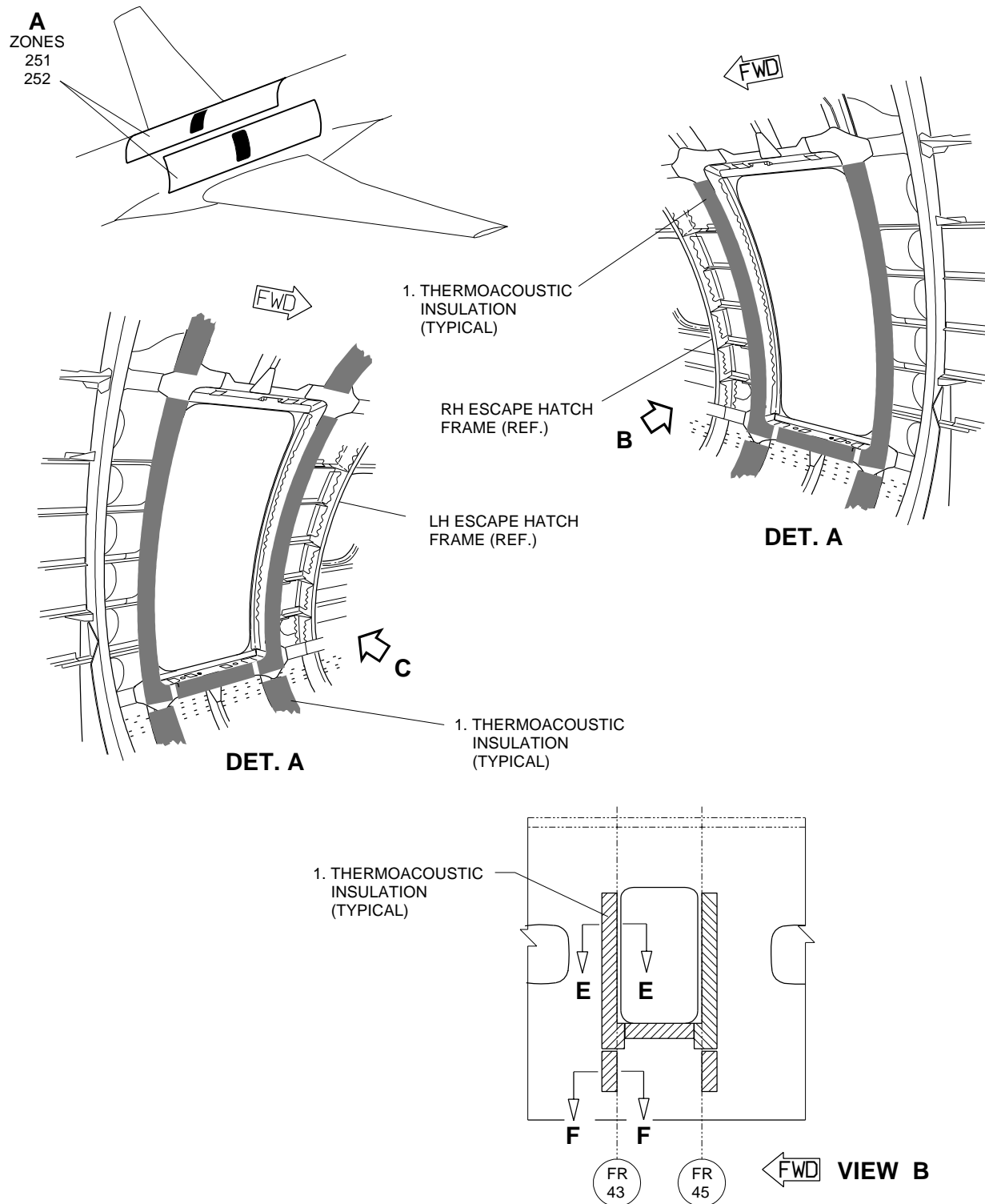


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EFFECTIVITY: FOR AIRCRAFT POST-MOD. S.B. 145-25-0158

Around Escape Hatch Door Thermoacoustic Insulation Pad - Removal/Installation

Figure 412 - Sheet 1

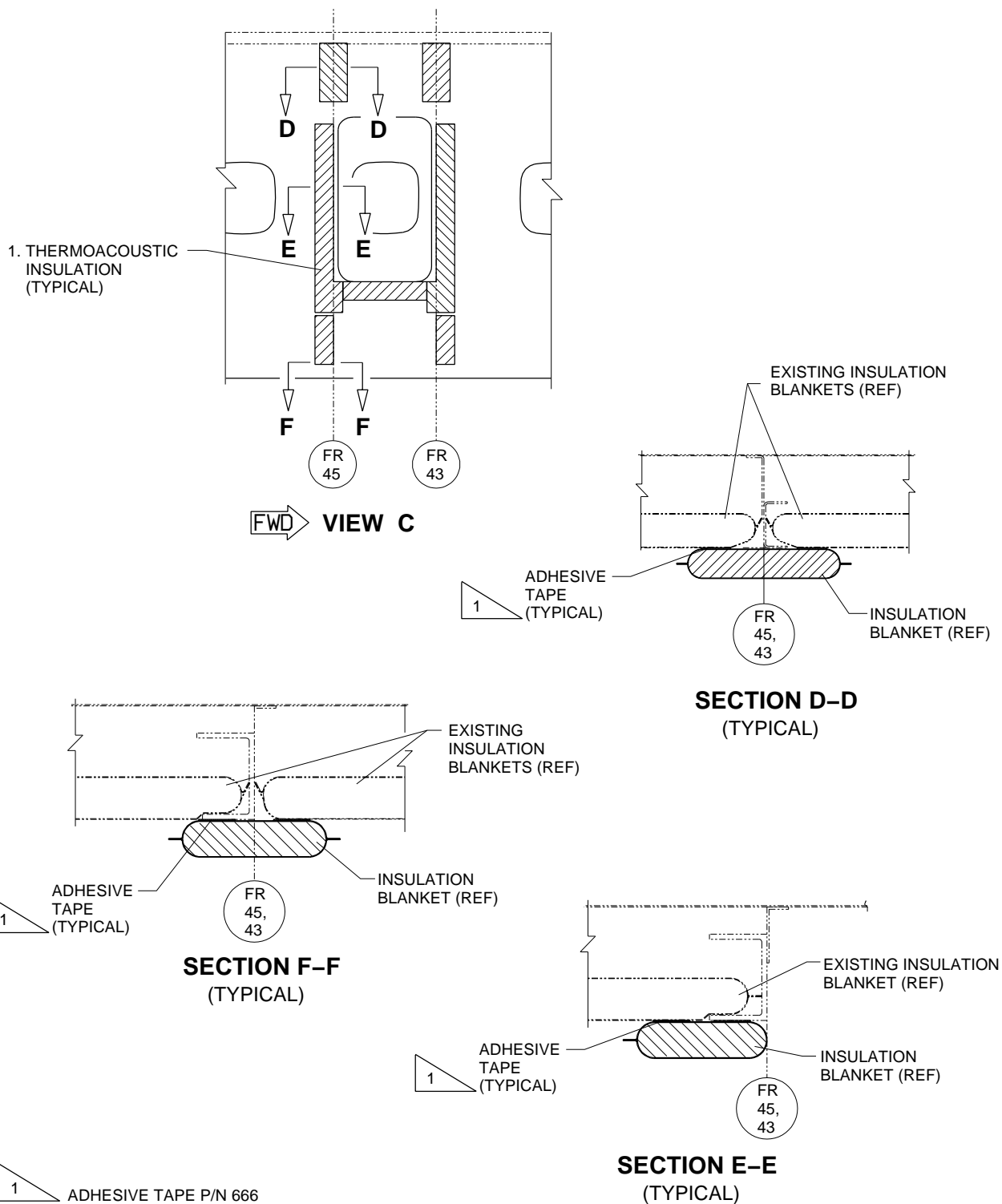


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EFFECTIVITY: FOR AIRCRAFT POST-MOD. S.B. 145-25-0158

Around Escape Hatch Door Thermoacoustic Insulation Pad - Removal/Installation

Figure 412 - Sheet 2

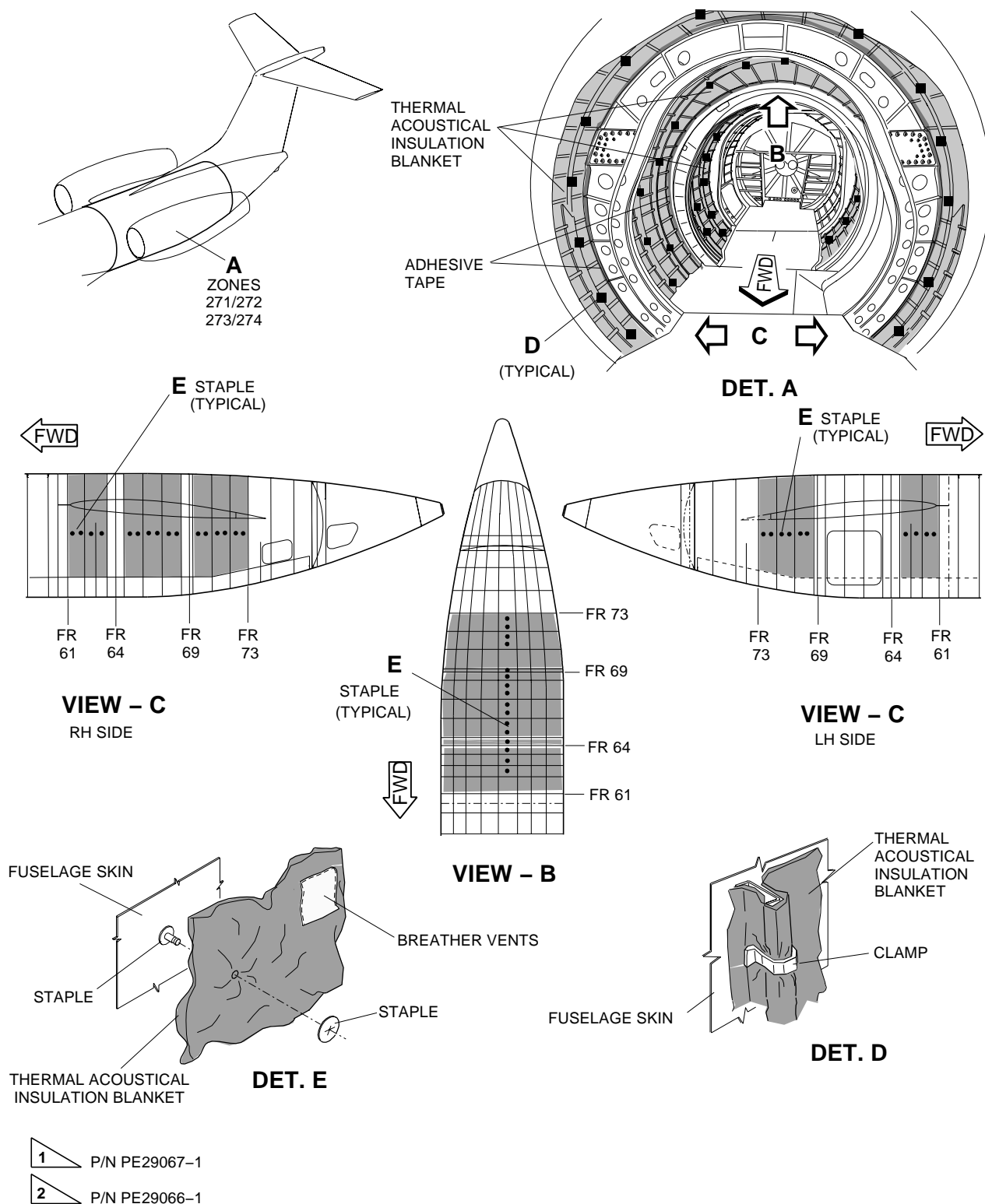


EM145AMM252616A.DGN

EFFECTIVITY: ACFT MODEL(S) EMB-145

Baggage Compartment thermoacoustic Insulation Pad - Removal/Installation

Figure 413



145AMM252588.MCE

TASK 25-81-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. THERMOACOUSTIC INSULATION - INSTALLATION

A. General

- (1) This task gives the procedures to install the thermoacoustic insulation pads.
- (2) The thermoacoustic insulation pads are installed to the fuselage structure (between frame/bulkhead), to the doors, to the emergency exits and under the floor panels, at zones 113, 114, 123, 124, 131, 132, 141, 142, 151 through 154, 161, 162, 171, 172, 213, 214, 223 through 226, 231 through 234, 241 through 244, 251 through 254, 261 through 264, and 271 through 274.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|---|
| AMM MPP 06-41-01/100 | - |
| AMM MPP 06-41-03/100 | - COMPONENT LOCATION |
| AMM TASK 25-12-01-400-801-A/400 | COCKPIT LINING - INSTALLATION |
| AMM TASK 25-12-04-400-801-A/400 | RH AFT CONSOLE - INSTALLATION |
| AMM TASK 25-12-05-400-801-A/400 | LH AFT CONSOLE - INSTALLATION |
| AMM TASK 25-12-06-400-801-A/400 | PEDAL ASSEMBLY LINING - INSTALLATION |
| AMM TASK 25-12-09-400-801-A/400 | LH/RH COCKPIT LINING - INSTALLATION |
| AMM TASK 25-22-03-400-801-A/400 | OVERHEAD BIN - INSTALLATION |
| AMM TASK 25-22-04-400-801-A/400 | - |
| AMM TASK 25-22-05-400-801-A/400 | PSUS - INSTALLATION |
| AMM TASK 25-23-01-400-801-A/400 | - |
| AMM TASK 25-23-02-400-801-A/400 | - |
| AMM TASK 25-23-03-400-801-A/400 | PASSENGER-CABIN ESCAPE-HATCH LINING - INSTALLATION |
| AMM TASK 25-23-04-400-801-A/400 | MAIN-DOOR LINING PANEL - INSTALLATION |
| AMM TASK 25-23-05-400-801-A/400 | SERVICE DOOR LINING PANELS - INSTALLATION |
| AMM TASK 25-23-08-400-801-A/400 | ESCAPE-HATCH TRIM SHROUD - INSTALLATION |
| AMM TASK 25-26-02-400-801-A/400 | - |
| AMM TASK 25-26-02-400-802-A/400 | - |
| AMM TASK 25-30-05-400-802-A/400 | OUTBOARD GALLEY - INSTALLATION |
| AMM TASK 25-51-01-400-801-A/400 | BAGGAGE COMPARTMENT LINING - INSTALLATION |
| AMM TASK 25-51-02-400-801-A/400 | BAGGAGE DOOR LINING - INSTALLATION |
| AMM TASK 53-01-01-400-801-A/400 | COCKPIT FLOOR PANELS - INSTALLATION |
| AMM TASK 53-01-02-400-801-A/400 | - |
| AMM TASK 53-01-03-400-801-A/400 | BAGGAGE-COMPARTMENT FLOOR PANELS - INSTALLATION |
| AMM TASK 53-01-04-400-801-A/400 | REAR ELECTRONIC-COMPARTMENT FLOOR PANELS - INSTALLATION |

(Continued)

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| S.B.145-25-0158 | - |
| TASK 25-30-05-400-801-A | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|--------------------------------|
| 113 | 113CZ | Forward electronic compartment |
| 223 | 223GZ | Cockpit |
| 223 | 223KLW | Cockpit |
| 223 | 223JLW | Cockpit |
| 224 | 224GZ | Cockpit |
| 224 | 224KRW | Cockpit |
| 224 | 224JRW | Cockpit |
| 272 | 272DR | Rear electronic compartment |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION | QTY |
|--------------------------|---|-----|
| KB42 | KB42/75 Lusterless Gray PVF Adhesive Tape | AR |
| MEP18-018 | KB6/75 TAPE PVF,75mm | AR |
| - | OT-57 CW Adhesive Polyester Tape | AR |
| - | OT-258 C Polyether Ether Ketone Pressure-Sensitive Tape | AR |
| MEP 06-048 | Plastic Adhesive Tape 108 | AR |
| - | Double-Face Adhesive Tape 666 | AR |
| MP2.9.067 | PE29067-1 - STAPLE, P.A. 6/6 | AR |
| - | SJ3419 - FASTENER HOOK | AR |
| - | SJ3418 - FASTENER LOOP | AR |
| FAR25AP.F | FASTENER HOOK - PS8223HOOK081BEIGE200-5/8" or 129112 | AR |
| FAR25AP.F | FASTENER LOOP - PS8223LOOP009BEIGE200-5/8" or 129199 | AR |
| MS3367 | MS3367-6-9 - Tiedown Strap | AR |

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-------------------------|
| 1 | Does the task | Cockpit/Passenger cabin |

I. Installation (Figure 401) (Figure 402) (Figure 403) (Figure 404) (Figure 405) (Figure 406) (Figure 407) (Figure 408) (Figure 409) (Figure 410) (Figure 411) (Figure 412) (Figure 413)

SUBTASK 420-015-B

- NOTE:**
- The procedure to install the thermoacoustic insulation pads is given as a function of the aircraft areas where the pads must be installed.
 - Clean all the aircraft areas where the thermoacoustic insulation pads must be installed.
 - Examine the thermoacoustic insulation pads for general conditions. Make sure that there are no tears, detachments, or other defects which could impair the use of the pads.

- CAUTION:**
- MAKE SURE THAT THE BREATHER VENTS (DECOMPRESSION HOLES) ON ALL THERMOACOUSTIC INSULATION PADS ARE FACING INBOARD WITH OPEN SIDE FACING DOWN.
 - MAKE SURE THAT THE AREA AROUND THE FANS, THE THERMOACOUSTIC INSULATIONS ARE INSTALLED CORRECTLY. MAKE SURE THAT THERE IS NO PARTS LOOSEN. USE ADHESIVE TAPE TO PREVENT GAPS.

- (1) To install the electronic compartment thermoacoustic insulation do as follows (Figure 401) and (Figure 402):

NOTE: The thermoacoustic insulation pads installed in the electronic compartment (nose landing gear bay) must be with their glossier side exposed. The gray side must be positioned to the skin of the fuselage.

- Make sure that the holes and gaps are sealed. If necessary use adhesive tape KB 42/75 to seal.
- At the borders and at the attachments parts to the structure, use adhesive tape 108. Refer to DET. C, Figure 401.
- Between the thermoacoustic insulation blankets use adhesive tape KB 42/75 to attach them, as applicable. Refer to DET. C, Figure 401.
- For aircraft POST-MOD S.B.145-21-036, some thermoacoustic insulations are reinforced, use adhesive tape KB 42/75 to attach them. Refer to Figure 402.
- For thermoacoustic insulation pads without loop-and-hook fastener put the thermoacoustic insulation pads around the Pilot tube and TAT harness and then hold the insulation in position with adhesive tape KB 42/75.

NOTE: Make sure that thermoacoustic insulation pads cover the Pitot and TAT connectors.

- (f) After the thermoacoustic insulation pads are installed, finish them off with adhesive tapes KB 42/75. Make sure that there is no clearance between the pads.

- (2) To install the cockpit thermoacoustic insulation pads do as follows (Figure 403):

- NOTE:**
- The thermoacoustic insulation pads installed in the electronic compartment (nose landing gear bay) must be with their glossier side exposed.
 - Use KB 6/75 adhesive tape to attach the thermoacoustic insulation pad to the fuselage.

CAUTION: MAKE SURE THAT THE BREATHER VENTS (DECOMPRESSION HOLES) ON ALL THERMOACOUSTIC INSULATION PADS ARE FACING INBOARD WITH OPEN SIDE FACING DOWN.

- (a) Attach the thermoacoustic insulation pads with adhesive tapes between the frame/bulkhead, as applicable.
- (b) Superpose the trim thermoacoustic insulation pads and attach them with adhesive tape to the frame/bulkhead stringers, if applicable.

NOTE: All the rework made in the wiring contour, air ducts, connectors, and mufflers must be correctly finished with adhesive tapes.

- (c) After the thermoacoustic insulation pads are installed, finish them off with adhesive tapes. Make sure that there is no clearance between the pads.

- (3) To install the underfloor thermoacoustic insulation pads do as follows (Figure 404):

CAUTION: MAKE SURE THAT THE BREATHER VENTS (DECOMPRESSION HOLES) ON ALL THERMOACOUSTIC INSULATION PADS ARE FACING INBOARD WITH OPEN SIDE FACING DOWN.

- (a) If you removed the loop-and-hook fastener, install them again on the frames. Refer to DET. F and VIEW E, sheet 4.
- (b) Install the thermoacoustic insulation pads over the fastener loop. Refer to DET. C, sheet 3.
- (c) Attach the thermoacoustic insulation pads with adhesive tapes at the junction of the the thermoacoustic insulation pads, as applicable. Refer to DET. C, sheet 3.
- (d) Attach the thermoacoustic insulation pads with adhesive tapes between the frame/bulkhead, as applicable. Refer to DET. D, sheet 3.

CAUTION: MAKE SURE THAT THE BREATHER VENTS (DECOMPRESSION HOLES) ON ALL THERMOACOUSTIC INSULATION PADS ARE FACING INBOARD WITH OPEN SIDE FACING DOWN.

- (4) To install the passenger cabin thermoacoustic insulation pads do as follows (Figure 405):

- (a) On the service door, use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. R, sheet 5.
 - (b) On the main door, use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. Q and DET. P, sheet 5.
 - (c) On the baggage door, use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. M, DET. S and DET. T, sheets 4 and 5.
 - (d) On the lavatory area, use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. L, sheet 4.
 - (e) On the escape hatches, use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. K, sheet 4.
 - (f) Install new tiedown strap on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. N, sheet 4.
 - (g) Use the attachment clips to attach the thermoacoustic insulation pads to the fuselage structure (between frames/bulkhead). Refer to DET. H and DET. J, sheet 3.
 - (h) Carefully fit the thermoacoustic insulation pads that to the fuselage structure (between frame/bulkhead) with hook fastener. Refer to DET. F.
 - (i) For thermoacoustic insulation pads with loop-and-hook fastener. Refer to DET. G, sheet 3.
 - 1 Carefully fit the thermoacoustic insulation pads that are attached to the fuselage structure (between frame/bulkhead) with hook fastener.
 - (j) For thermoacoustic insulation pads without loop-and-hook fastener. Refer to DET. G, sheet 3.
 - 1 Use adhesive tape KB 6/75 to attach the thermoacoustic insulation pads.
- (5) For aircraft with insulation blanket over the frame do as follows (Figure 405).
- (a) Attach the insulation blanket over the frame as applicable with Hook-and-Loop fastener. Refer to DET. V, sheet 6.
 - (b) Seal holes and gaps with adhesive tape. Refer to DET. V and DET. X, sheet 6.
- (6) To install the main door thermoacoustic insulation pads do as follows (Figure 406) and (Figure 407):
- (a) Install new adhesive tapes on the viscoelastic and fuselage structures (between frame/bulkhead). Refer to DET. B.

- (b) Fit the thermoacoustic insulation pads over the viscoelastic and fuselage structures.
 - (c) Use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. A.
- (7) To install the thermoacoustic insulation pads around the main door do as follows (Figure 408):
 - (a) If necessary use new adhesive tapes to install the thermoacoustic insulation pads to the fuselage structure (between frame/bulkhead) and to the existing insulation blanket.
 - (b) Fit the thermoacoustic insulation pads around the escape hatches.
- (8) To install the service door thermoacoustic insulation pads do as follows (Figure 409):
 - (a) Install new adhesive tapes on the viscoelastic and fuselage structures (between frame/bulkhead). Refer to DET. B.
 - (b) Fit the thermoacoustic insulation pads over the viscoelastic and fuselage structures.
 - (c) Use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. B.
- (9) To install the thermoacoustic insulation pads around the service main door do as follows (Figure 410):
 - (a) If necessary use new adhesive tapes to install the thermoacoustic insulation pads to the fuselage structure (between frame/bulkhead) and to the existing insulation blanket.
 - (b) Fit the thermoacoustic insulation pads around the escape hatches.
- (10) To install the escape hatches thermoacoustic insulation pads do as follows (Figure 411):
 - (a) If necessary, install new adhesive tapes on the escape hatches.
 - (b) Fit the thermoacoustic insulation pads on the escape hatches.
 - (c) If necessary, use adhesive tapes on the thermoacoustic insulation pads, to attach them to the fuselage structure (between frame/bulkhead). Refer to DET. A.
- (11) For aircraft POST-MOD [S.B.145-25-0158](#), install the thermoacoustic insulation pads around the escape hatches do as follows (Figure 412):
 - (a) If necessary use new adhesive tapes to install the thermoacoustic insulation pads to the fuselage structure (between frame/bulkhead) and to the existing insulation blanket.
 - (b) Fit the thermoacoustic insulation pads around the escape hatches.

CAUTION: MAKE SURE THAT THE BREATHER VENTS (DECOMPRESSION HOLES) ON ALL THERMOACOUSTIC INSULATION PADS ARE FACING INBOARD WITH OPEN SIDE FACING DOWN.

- (12) To install the baggage compartment thermoacoustic insulation pads do as follows (Figure 413):
- (a) On the sidewall, use adhesive tape OT-57CW or OT-258C to attach the thermoacoustic insulation pads to the fuselage structure (between frame/bulkhead). Refer to DET. A.
 - (b) Fit the clamps to attach the thermoacoustic insulation pads to the baggage compartment sidewall. Refer to DET. D.
 - (c) Fit the staples to attach the thermoacoustic insulation pads to the baggage compartment sidewall. Refer to VIEW C and DET. E.
 - (d) Fit the staples to attach the thermoacoustic insulation pads to the baggage compartment ceiling. Refer to VIEW B and DET. E.

CAUTION: MAKE SURE THAT NO TOOL IS LEFT IN THE AIRCRAFT AFTER THE INSTALLATION OF THE THERMOACOUSTIC INSULATION PADS IS COMPLETED.

- (13) After the thermoacoustic insulation pads are installed, finish them off with adhesive tapes. Make sure that there is no clearance between the pads.

J. Follow-on

SUBTASK 842-015-B

- (1) Install the rear electronic-compartment floor panels, as applicable ([AMM TASK 53-01-04-400-801-A/400](#)).
- (2) On the rear electronic compartment close the access panel 272DR (AMM MPP 06-41-01/100).
- (3) On the nose landing gear compartment close the access door 113CZ that gives access to the forward electronic compartment (AMM MPP 06-41-01/100).
- (4) Install the baggage-compartment floor panels, as applicable ([AMM TASK 53-01-03-400-801-A/400](#)).
- (5) Install the baggage door lining, as applicable ([AMM TASK 25-51-02-400-801-A/400](#)).
- (6) Install the baggage compartment lining, as applicable ([AMM TASK 25-51-01-400-801-A/400](#)).
- (7) Install the passenger-cabin floor panels, as applicable (AMM TASK 53-01-02-400-801-A/400).
- (8) Install the skirting lining panels, as applicable (AMM TASK 25-23-02-400-801-A/400).
- (9) Install the overwing escape-hatch lining, as applicable ([AMM TASK 25-23-03-400-801-A/400](#)).

- (10) Install the escape-hatch trim shroud assembly, as applicable ([AMM TASK 25-23-08-400-801-A/400](#)).
- (11) Install the sidewall lining panel, as applicable (AMM TASK 25-23-01-400-801-A/400).
- (12) Install the passenger service unit, as applicable ([AMM TASK 25-22-05-400-801-A/400](#)).
- (13) Install the overhead bins, as applicable ([AMM TASK 25-22-03-400-801-A/400](#)).
- (14) Install the headliner, as applicable (AMM TASK 25-22-04-400-801-A/400).
- (15) Install the main door panel, as applicable ([AMM TASK 25-23-04-400-801-A/400](#)).
- (16) Install the service door panel, as applicable ([AMM TASK 25-23-05-400-801-A/400](#)).
- (17) Install the outboard galley, as applicable (TASK 25-30-05-400-801-A) or ([AMM TASK 25-30-05-400-802-A/400](#)).
- (18) Install the RH wardrobe, as applicable (AMM TASK 25-26-02-400-801-A/400) or (AMM TASK 25-26-02-400-802-A/400).
- (19) Install the cockpit floor panels, as applicable ([AMM TASK 53-01-01-400-801-A/400](#)).
- (20) Install the LH aft console lining, as applicable ([AMM TASK 25-12-05-400-801-A/400](#)).
- (21) Install the RH aft console lining, as applicable ([AMM TASK 25-12-04-400-801-A/400](#)).
- (22) Install the LH/RH cockpit linings, as applicable ([AMM TASK 25-12-09-400-801-A/400](#)).
- (23) Install the cockpit ceiling lining, as applicable ([AMM TASK 25-12-01-400-801-A/400](#)).
- (24) Install the pedal assembly lining ([AMM TASK 25-12-06-400-801-A/400](#)).
- (25) On the cockpit, install these access panels: 223KLW, 223JLW, 223GZ, 224GZ, 224KRW and 224JRW ([AMM MPP 06-41-03/100](#)).