



AIRCRAFT MAINTENANCE MANUAL

MAIN-DOOR LINING PANELS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the main-door lining panels.
- B. The main-door lining panels are installed on the passenger entry/exit door.
- C. The main-door lining panel assembly includes electrical installations, microswitch shrouds, and several trim covers.
- D. 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
25-23-04-000-801-A	MAIN-DOOR LINING PANEL - REMOVAL	ALL
25-23-04-400-801-A	MAIN-DOOR LINING PANEL - INSTALLA- TION	ALL



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 25-23-04-000-801-A

EFFECTIVITY: ALL

2. MAIN-DOOR LINING PANEL - REMOVAL

A. General

- (1) This task gives the procedures to remove the main-door lining panels.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM TASK 52-10-02-000-801-A/400	MAIN-DOOR STEP-TREAD LINING PANEL - REMOVAL
AMM TASK 52-11-01-000-801-A/400	MAIN DOOR INTERNAL ACTUATING-HANDLE - REMOVAL
AMM TASK 52-11-04-000-801-A/400	MAIN-DOOR FOLDING FLAP - REMOVAL
AMM TASK 52-18-03-000-801-A/400	SIDE-HINGED MAIN-DOOR FOLDING FLAP - REMOVAL
AMM TASK 52-18-05-000-801-A/400	SIDE-HINGED MAIN-DOOR INTERNAL ACTUATING HANDLE - REMOVAL
S.B.145-25-0161	-
S.B.145-52-0005	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

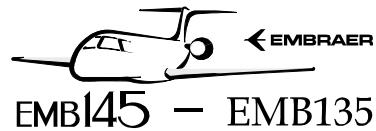
H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the MAIN DOOR 1 (Location Tip: DC BUS 1 / MISCELLANEOUS/MAIN DOOR 1) and MAIN DOOR 2 (Location Tip: ESSENTIAL DC BUS 2/HOT BUS 2/MAIN DOOR 2) circuit breakers.



AIRCRAFT MAINTENANCE MANUAL

- (2) Open the main door ([AMM SDS 52-10-00/1](#)).

J. Removal ([Figure 401](#)) ([Figure 402](#)) ([Figure 403](#))

SUBTASK 020-002-A

- CAUTION:** • SOME LINERS OF THE MAIN-DOOR ARE FRAGILE, LARGE AND DIFFICULT TO MOVE.
- BE CAREFUL NOT TO SCRATCH OUT THE PAINTING OF THE MAIN DOOR.

- (1) For aircraft with airstairs doors and PRE-MOD. [S.B.145-25-0161](#), remove the main-door lining panels as follows ([Figure 401](#)):

- (a) Use a support to lift the main door. Refer to DET. A.

NOTE: The support prevents damage to the main door and makes its removal easier.

- (b) Release the end of the springs (41) from the door structure. Refer to VIEW E, sheet 2.

- (c) Remove the screws (2) and washers (3) to release the upper forward trim cover (1). Refer to DET. B, sheet 1.

- (d) Remove the screws (5) and washers (6) to release the forward trim cover (4). Refer to DET. B, sheet 1.

- (e) Remove the main-door internal actuating handle ([AMM TASK 52-11-01-000-801-A/400](#)).

- (f) Remove the screws (8) and washers (9) to release the upper aft trim cover 1 (7). Refer to DET. C, sheet 1.

- (g) Remove the screws (11) and washers (12) to release the upper aft trim cover 2 (10). Refer to DET. C, sheet 1.

- (h) Remove the screws (17) and washers (18) that attach the microswitch shroud (16). Refer to DET. C, Sheet 1.

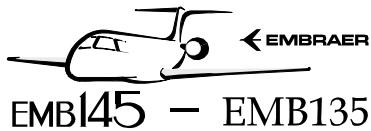
- (i) Remove the screws (14) and washers (15) that attach the aft trim cover (13). Refer to DET. C, Sheet 1.

- (j) Remove the main-door steptread lining panel ([AMM TASK 52-10-02-000-801-A/400](#)).

- (k) Disconnect the rod ends from the support at the folding flap ([AMM TASK 52-11-04-000-801-A/400](#)).

- (l) Remove the screws (35) and washers (36) to release the trim cover assembly (37). Refer to DET. D, sheet 2.

- (m) Remove the screws (33) and washers (34) that attach the courtesy-light center trim cover (32) to the main-door courtesy-light cover assembly (19). Refer to DET. D, sheet 2.

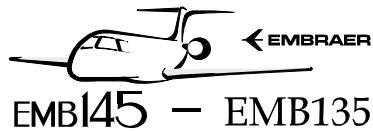


EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (n) Remove the screws (31) and washers (30) to release the courtesy-light center trim cover (32). Refer to DET. D, sheet 2.
 - (o) Remove the main-door courtesy-light cover assembly (19). Refer to DET. D, sheet 2.
 - (p) Disconnect the electrical connectors (20). Refer to DET. D, sheet 2.
 - (q) Remove the screws (39) and washers (38) that attach the bottom trim cover (40). Refer to DET. D, sheet 2.
 - (r) Remove the screws (22) and washers (21) to release the trim cover side support 1 (23). Refer to DET. D, sheet 2.
 - (s) Remove the screws (28) and washers (29) to release the trim cover side support 2 (27). Refer to DET. D, sheet 2.
 - (t) Remove the screws (26) and washers (25) to release the upper trim cover (24). Refer to DET. D, sheet 2.
- (2) For aircraft POST-MOD. S.B.145-25-0161, remove the main-door lining panels as follows ([Figure 402](#)):
- (a) Release the end of the springs (51) from the door structure. Refer to VIEW E, sheet 2.
 - (b) Remove the screws (6) and washers (7) to release the upper forward trim cover (8). Refer to DET. B, sheet 1.
 - (c) Remove the screws (9) and washers (10) to release the forward trim cover assembly 2 (5). Refer to DET. B, sheet 1.
 - (d) Remove the screws (2) and washers (3) to release the lock box cover 1 (1). Refer to DET. B, sheet 1.
 - (e) Remove the screws (11) and washers (12) to release the forward trim cover assembly 1 (4). Refer to DET. B, sheet 1.
 - (f) Remove the main-door internal actuating handle ([AMM TASK 52-11-01-000-801-A/400](#)).
 - (g) Remove the screws (15) and washers (16) to release the upper aft trim cover 1 (14). Refer to DET. C, sheet 1.
 - (h) Remove the screws (18) and washers (19) to release the upper aft trim cover 2 (17). Refer to DET. C, sheet 1.
 - (i) Remove the screws (21) and washers (22) to release the aft trim cover assembly 1 (20). Refer to DET. C, sheet 1.
 - (j) Remove the aft trim cover assembly 3 (13). Refer to DET. C, sheet 1.
 - (k) Remove the screws (24) and washers (25) to release the lock box cover 2 (23). Refer to DET. C, sheet 1.

- (l) Remove the screws (26) and washers (27) to release the aft trim cover assembly 2 (28). Refer to DET. C, sheet 1.
 - (m) Remove the main-door steptread lining panel ([AMM TASK 52-10-02-000-801-A/400](#)).
 - (n) Disconnect the rod ends from the support at the folding flap ([AMM TASK 52-11-04-000-801-A/400](#)).
 - (o) Remove the screws (45) and washers (46) to release the trim cover assembly (47). Refer to DET. D, sheet 2.
 - (p) Remove the screws (43) and washers (44) that attach the courtesy-light center trim cover (42) to the main-door courtesy-light cover assembly (29). Refer to DET. D, sheet 2.
 - (q) Remove the screws (41) and washers (40) to release the courtesy-light center trim cover (42). Refer to DET. D, sheet 2.
 - (r) Remove the main-door courtesy-light cover assembly (29). Refer to DET. D, sheet 2.
 - (s) Disconnect the electrical connectors (30). Refer to DET. D, sheet 2.
 - (t) Remove the screws (49) and washers (48) that attach the bottom trim cover (50). Refer to DET. D, sheet 2.
 - (u) Remove the screws (32) and washers (31) to release the trim cover side support 1 (33). Refer to DET. D, sheet 2.
 - (v) Remove the screws (38) and washers (39) to release the trim cover side support 2 (37). Refer to DET. D, sheet 2.
 - (w) Remove the screws (36) and washers (35) to release the upper trim cover (34). Refer to DET. D, sheet 2.
- (3) For aircraft with side-hinged main-door or POST-MOD. [S.B.145-52-0005](#), remove the main-door lining panels as follows ([Figure 403](#)):
- (a) Remove the arm trim cover (8). Refer to DET. B, sheet 1. This part is attached with Velcro fasteners.
 - (b) Pull and remove the locking pins (12). Refer to DET. D, sheet 2.
 - (c) Remove the retaining pin (11). Refer to DET. D, sheet 2.
 - (d) Remove the door handle (13). Refer to DET. D, sheet 2.
 - (e) Remove the main-door emergency light cover (9). Refer to DET. C, sheet 2. This part is attached with Velcro fasteners.
- NOTE: Be careful not to cause damage to the emergency light wire.
- (f) Disconnect the electrical connector (10). Refer to DET. C, sheet 2.



EMB145 – EMB135

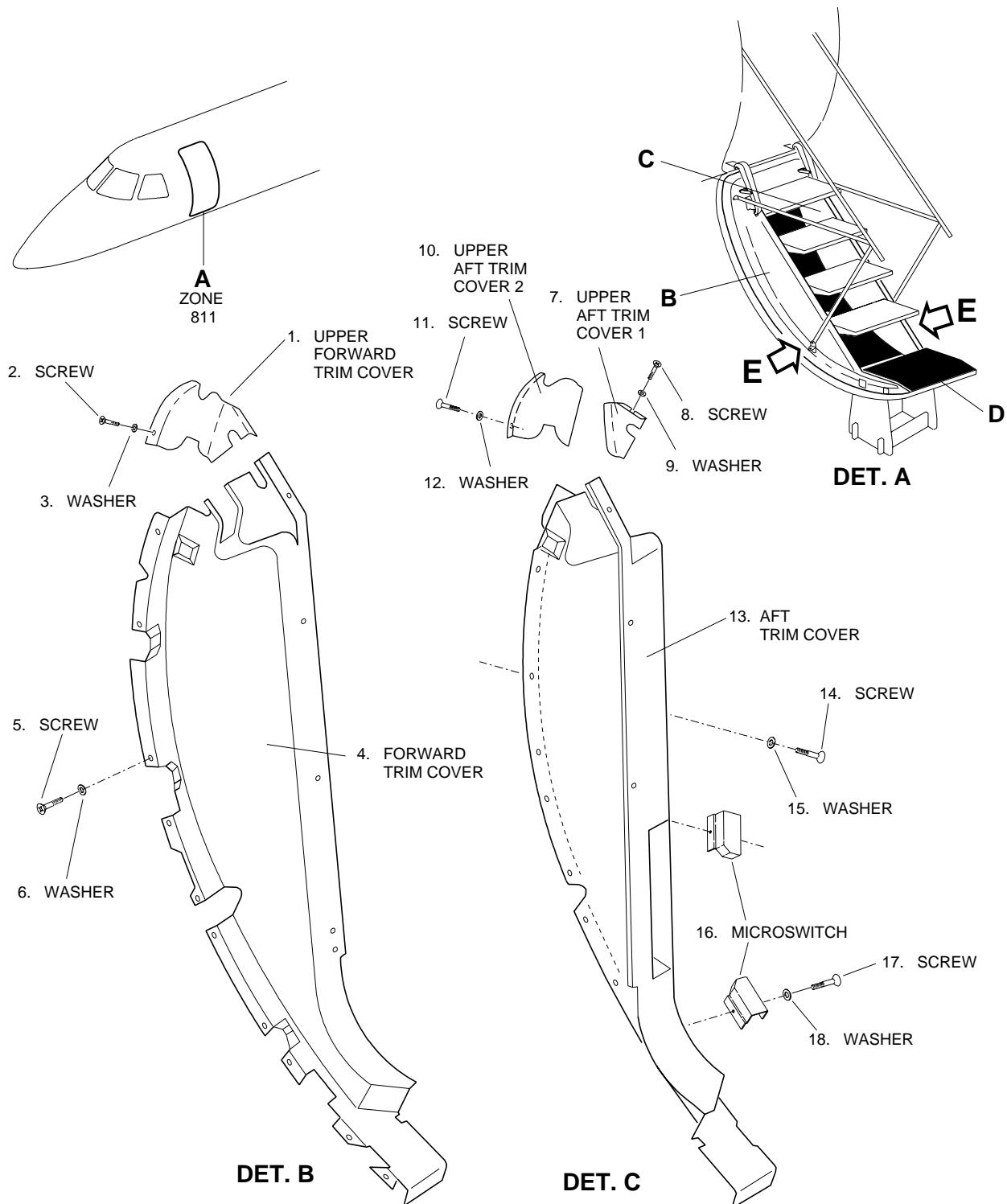
AIRCRAFT
MAINTENANCE MANUAL

- (g) Remove the screws (6) and washers (2) to release the main door lining (7). Refer to DET. B, sheet 1.
- (h) Remove the side-hinged main-door internal actuating handle (AMM TASK 52-18-05-000-801-A/400).
- (i) Remove the screws (14) to release the assistance handle (15). Refer to DET. B, sheet 1.
- (j) Remove the screws (5) and washers (4) to release the main-door lining (3). Refer to DET. B, sheet 1.
- (k) Disconnect the rod ends from the support at the folding flap (AMM TASK 52-18-03-000-801-A/400).
- (l) Remove the trim cover assembly (1). Refer to DET. B, sheet 1. This part is attached with Velcro fasteners.

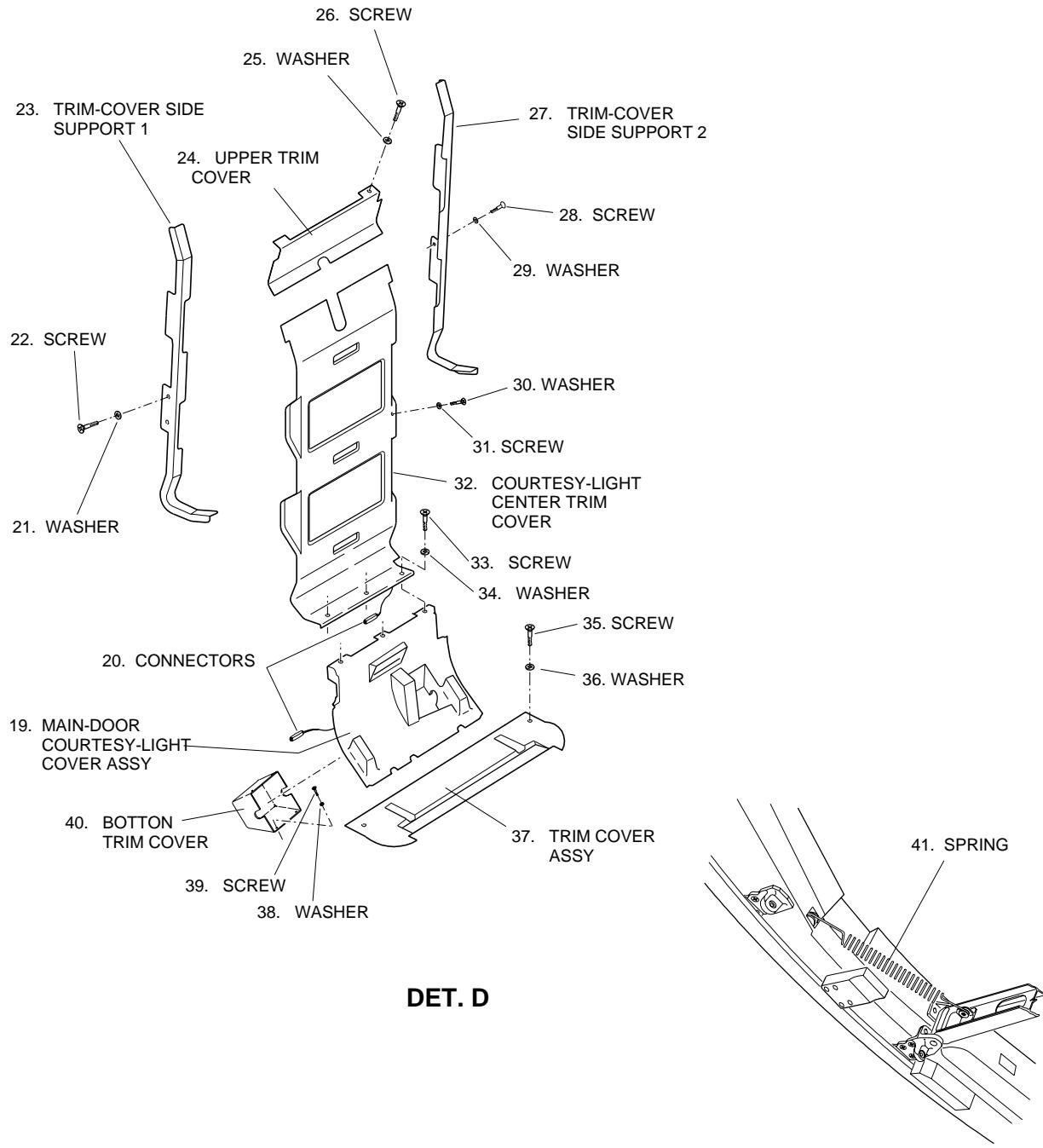
EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR AND PRE-MOD. S.B. 145-25-0161

Main-Door Lining Panel – Removal/Installation

Figure 401 - Sheet 1



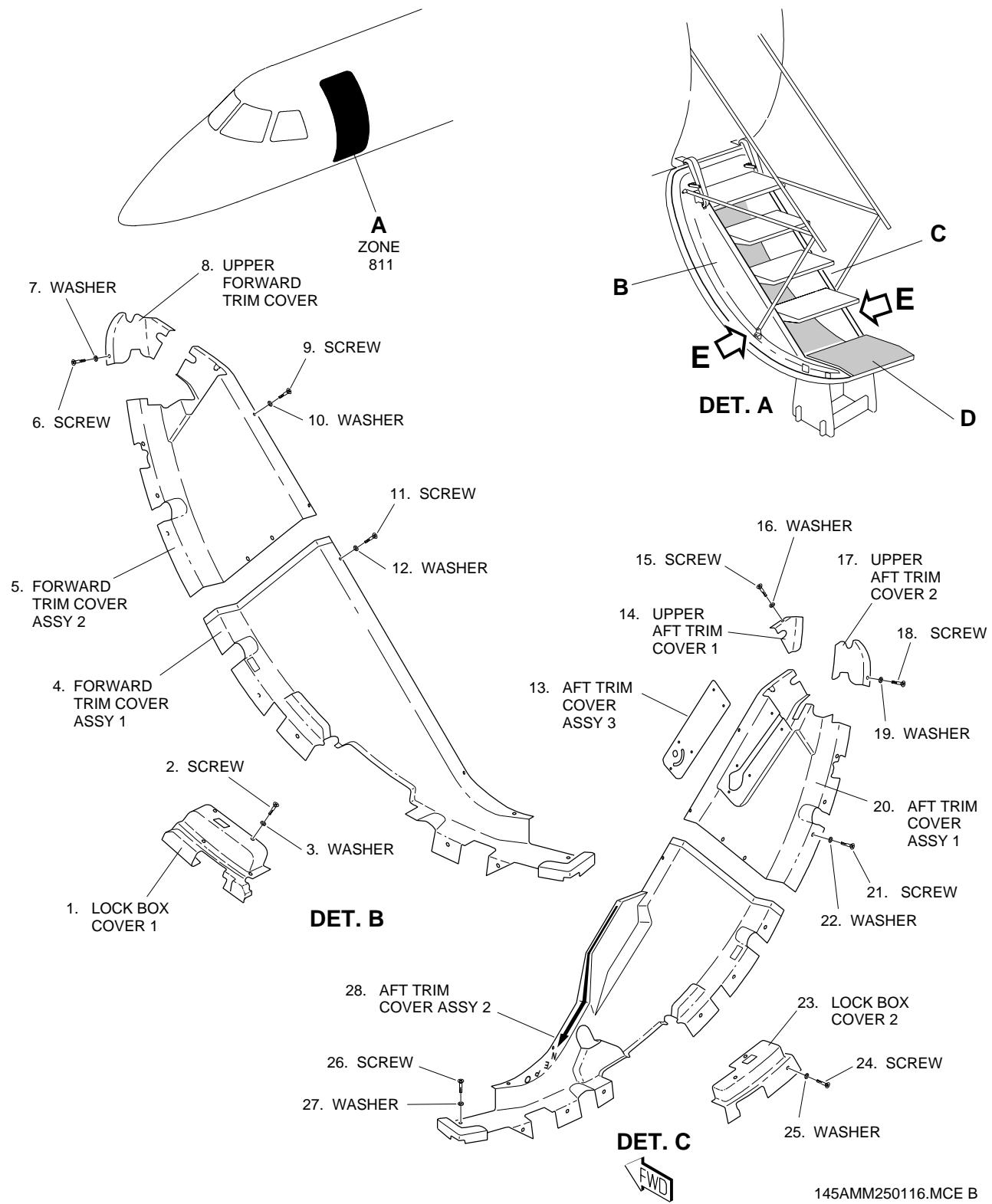
145AMM250763.MCE

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR AND PRE-MOD. S.B. 145-25-0161
Main-Door Lining Panel – Removal/Installation
Figure 401 - Sheet 2


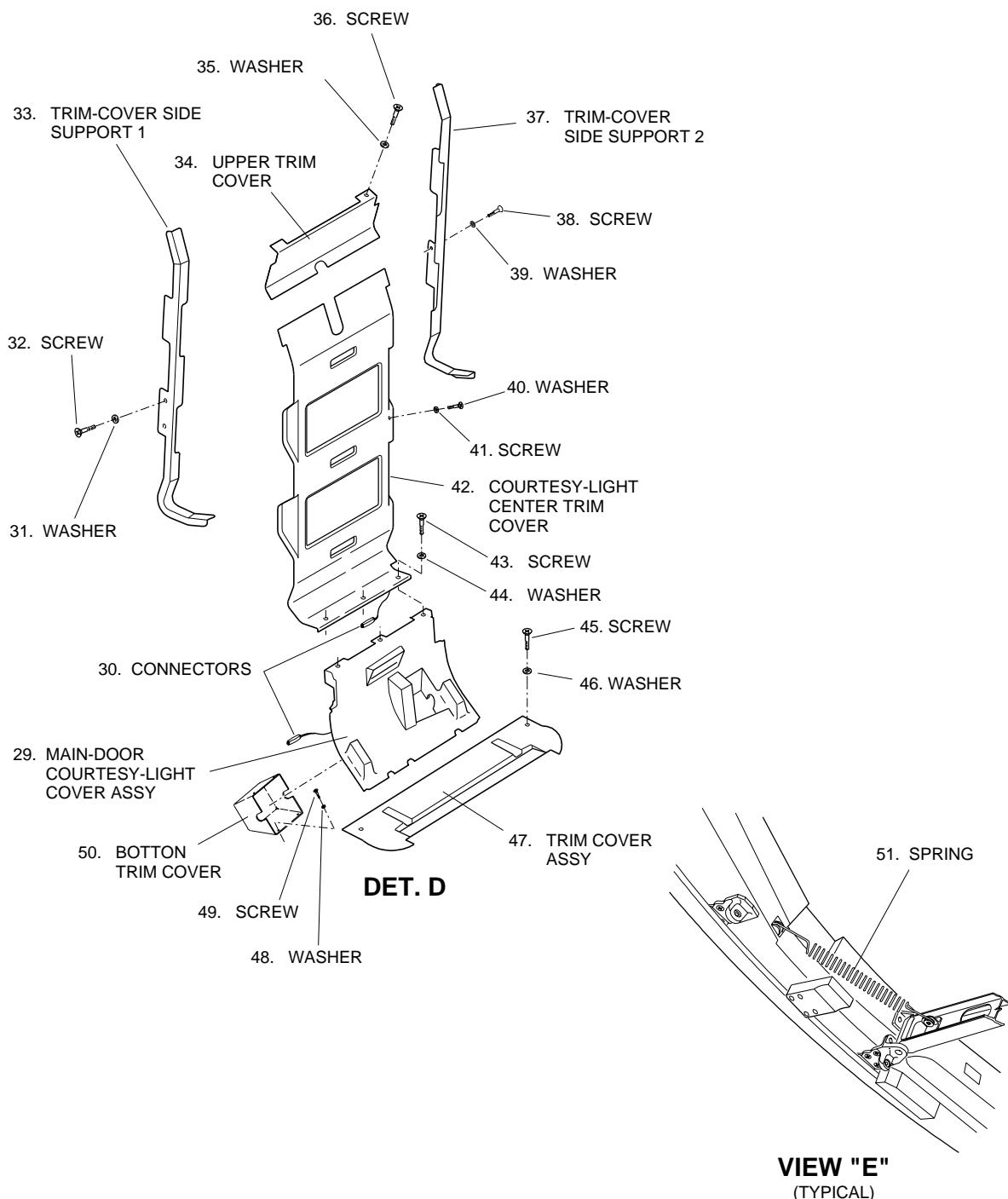
EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR AND POST-MOD. S.B. 145-25-0161

Main-Door Lining Panel – Removal/Installation

Figure 402 - Sheet 1



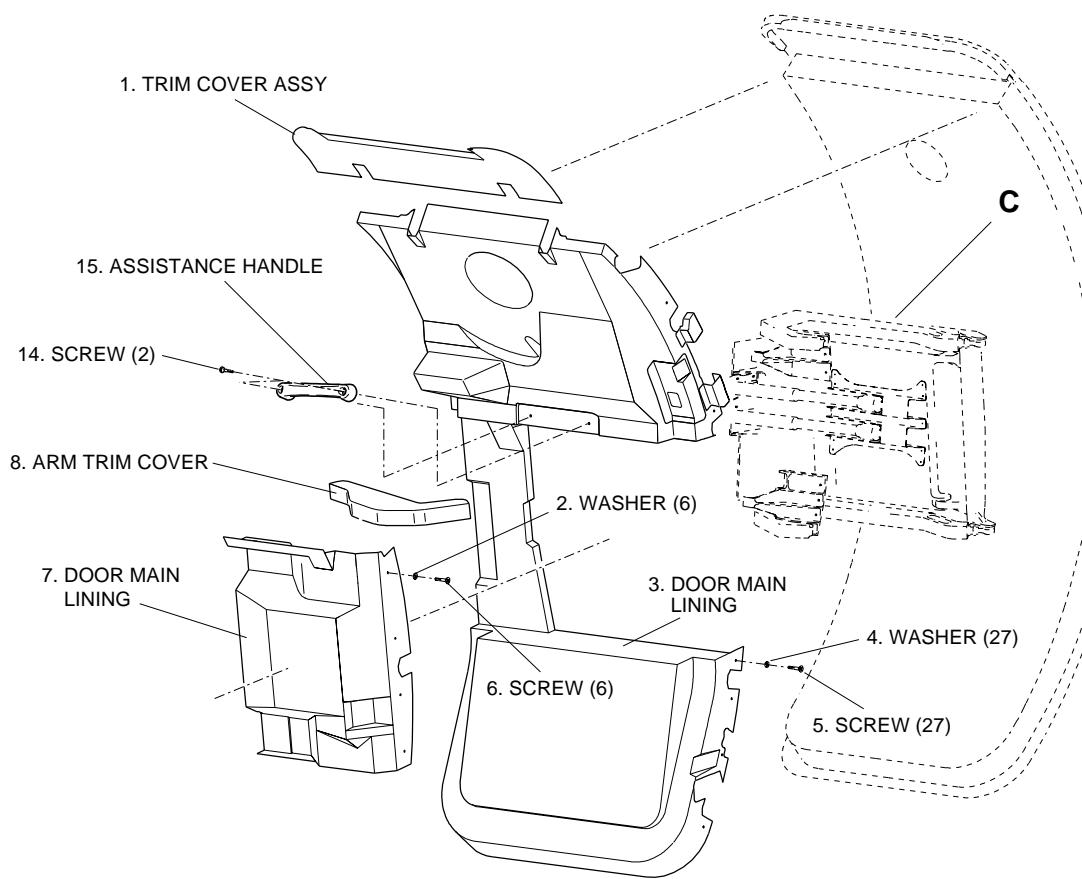
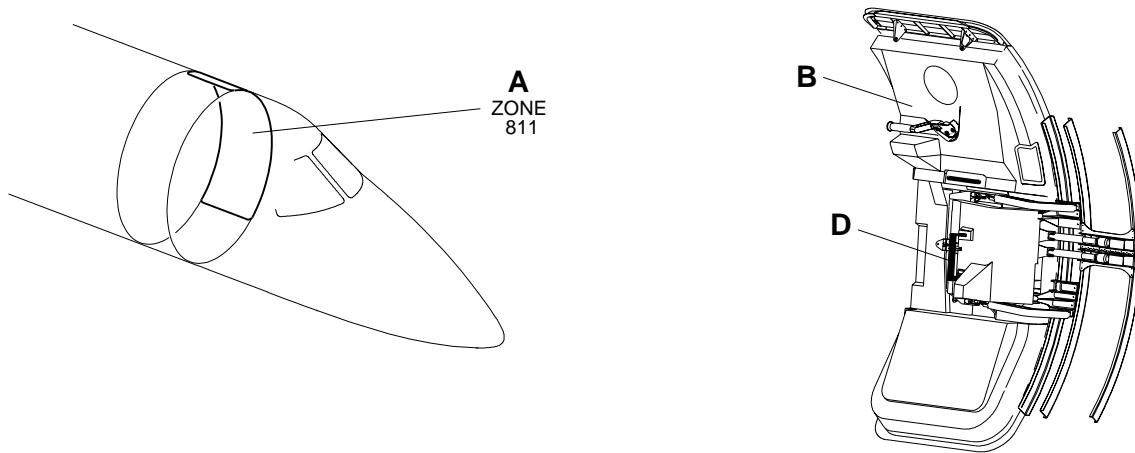
145AMM250116.MCE B

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR AND POST-MOD. S.B. 145-25-0161
Main-Door Lining Panel – Removal/Installation
Figure 402 - Sheet 2


EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR

Side-Hinged Main-Door Lining Panel – Removal/Installation

Figure 403 - Sheet 1



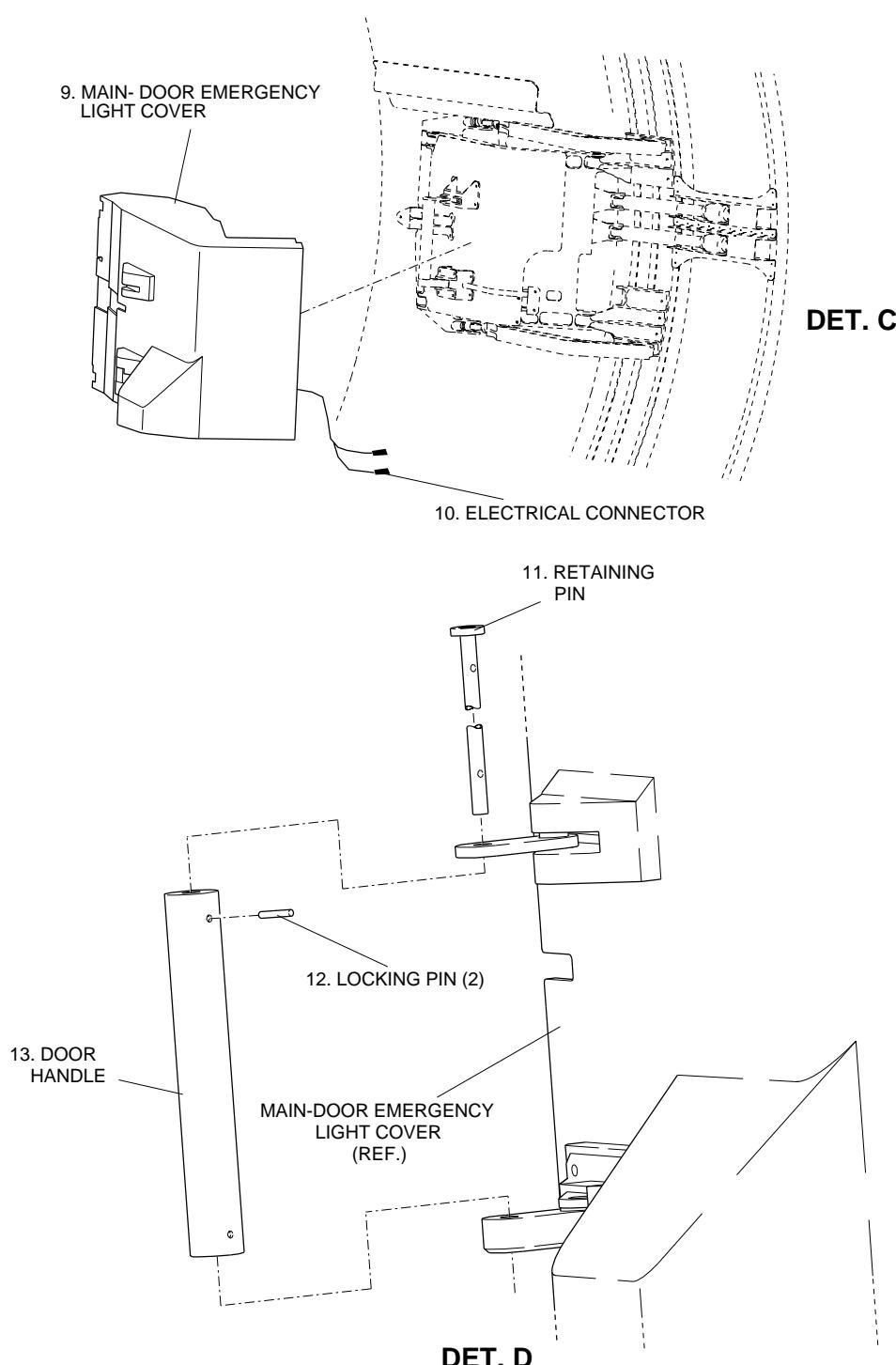
DET. B

EM145AMM250111B.DGN

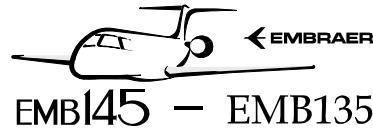
EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR

Side-Hinged Main-Door Lining Panel – Removal/Installation

Figure 403 - Sheet 2



145AMM250113.MCE



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 25-23-04-400-801-A

EFFECTIVITY: ALL

3. MAIN-DOOR LINING PANEL - INSTALLATION

A. General

(1) This task gives the procedures to install the main-door lining panel.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM TASK 52-10-02-400-801-A/400	MAIN-DOOR STEP-TREAD LINING PANEL - INSTALLATION
AMM TASK 52-11-01-400-801-A/400	MAIN DOOR INTERNAL ACTUATING HANDLE - INSTALLATION
AMM TASK 52-11-04-400-801-A/400	MAIN-DOOR FOLDING FLAP - INSTALLATION
AMM TASK 52-18-03-400-801-A/400	SIDE-HINGED MAIN-DOOR FOLDING FLAP - INSTALLATION
AMM TASK 52-18-05-400-801-A/400	SIDE-HINGED MAIN-DOOR INTERNAL ACTUATING HANDLE - INSTALLATION
S.B.145-25-0161	-
S.B.145-52-0005	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

I. Installation (Figure 401) (Figure 402) (Figure 403)

SUBTASK 420-002-A

- CAUTION:**
- SOME LINERS OF THE MAIN-DOOR ARE FRAGILE, LARGE AND DIFFICULT TO MOVE.
 - BE CAREFUL NOT TO SCRATCH OUT THE PAINTING OF THE MAIN DOOR.

(1) For aircraft with airstairs main-door and PRE-MOD. [S.B.145-25-0161](#), install the main-door lining panels as follows (Figure 401):

(a) Use a support to lift the main door. Refer to DET. A.

NOTE: The support prevents damage to the main door and makes its installation easier.

(b) Install the upper trim cover (24) with the screws (26) and washers (25). Refer to DET. D, sheet 2.

(c) Install the trim cover side support 2 (27) with the screws (28) and washers (29). Refer to DET. D, sheet 2.

(d) Install the trim cover side support 1 (23) with the screws (22) and washers (21). Refer to DET. D, sheet 2.

(e) Install the bottom trim cover (40) with the screws (39) and washers (38).Refer to DET. D, sheet 2.

(f) Connect the electrical connectors (20). Refer to DET. D, sheet 2.

(g) Put the main-door courtesy-light cover assembly (19) in its correct position. Refer to DET. D, sheet 2.

(h) Install the courtesy-light center trim cover (32) to the main-door courtesy-light cover assembly (19) with the screws (35) and washers (36). Refer to DET. D, sheet 2.

(i) Install the courtesy-light center trim cover (32) with the screws (31) and washers (30). Refer to DET. D, sheet 2.

(j) Install the trim cover assembly (37) and attach with the screws (35) and washers (36). Refer to DET. D, sheet 2.

(k) Connect the rod end to the support at the folding flap ([AMM TASK 52-11-04-400-801-A/400](#)).

(l) Install the main-door steptread lining panel ([AMM TASK 52-10-02-400-801-A/400](#)).

(m) Install the aft trim cover (13) and attach with the screws (14) and washers (15). Refer to DET. C, sheet 1.

(n) Install the microswitch shroud (16) with the screws (17) and washers (18). Refer to DET. C, sheet 1.

(o) Install the upper aft trim cover 2 (10) with the screws (11) and washers (12). Refer to DET. C, sheet 1.

- (p) Install the upper aft trim cover 1 (7) with the screws (8) and washers (9). Refer to DET. C, sheet 1.
 - (q) Install the main-door internal actuating handle ([AMM TASK 52-11-01-400-801-A/400](#)).
 - (r) Install the forward trim cover assembly (4) with the screws (5) and washers (6). Refer to DET. B, sheet 1.
 - (s) Install the upper forward trim cover (1) with the screws (2) and washers (3). Refer to DET. B, sheet 1.
 - (t) Attach the end of the springs (41) to the door structure. Refer to VIEW E, sheet 2.
- (2) For aircraft with airstairs main-door and POST-MOD. [S.B.145-25-0161](#), install the main-door lining panels as follows (Figure 402):
- (a) Install the upper trim cover (34) with the screws (36) and washers (35). Refer to DET. D, sheet 2.
 - (b) Install the trim cover side support 2 (37) with the screws (38) and washers (39). Refer to DET. D, sheet 2.
 - (c) Install the trim cover side support 1 (33) with the screws (32) and washers (31). Refer to DET. D, sheet 2.
 - (d) Install the bottom trim cover (50) with the screws (49) and washers (48). Refer to DET. D, sheet 2.
 - (e) Connect the electrical connectors (30). Refer to DET. D, sheet 2.
 - (f) Put the main-door courtesy-light cover assembly (29) in its correct position. Refer to DET. D, sheet 2.
 - (g) Install the courtesy-light center trim cover (42) to the main-door courtesy-light cover assembly (29) with the screws (43) and washers (44). Refer to DET. D, sheet 2.
 - (h) Install the courtesy-light center trim cover (42) with the screws (41) and washers (40). Refer to DET. D, sheet 2.
 - (i) Install the trim cover assembly (47) and attach with the screws (45) and washers (46). Refer to DET. D, sheet 2.
 - (j) Connect the rod end to the support at the folding flap ([AMM TASK 52-11-04-400-801-A/400](#)).
 - (k) Install the main-door steptread lining panel ([AMM TASK 52-10-02-400-801-A/400](#)).
 - (l) Install the aft trim cover assembly 2 (28) and attach with the screws (26) and washers (27). Refer to DET. C, sheet 1.
 - (m) Install the lock box cover 2 (23) and attach with the screws (24) and washers (25). Refer to DET. C, sheet 1.

- (n) Install the aft trim cover assembly 3 (13). Refer to DET. C, sheet 1.
 - (o) Install the aft trim cover assembly 1 (20) and attach with the screws (21) and washers (22). Refer to DET. C, sheet 1.
 - (p) Install the upper aft trim cover 2 (17) and attach with the screws (18) and washers (19). Refer to DET. C, sheet 1.
 - (q) Install the upper aft trim cover 1 (14) and attach with the screws (15) and washers (16). Refer to DET. C, sheet 1.
 - (r) Install the main-door internal actuating handle ([AMM TASK 52-11-01-400-801-A/400](#)).
 - (s) Install the forward trim cover assembly 1 (4) and attach with the screws (11) and washers (12). Refer to DET. B, sheet 1.
 - (t) Install the lock box cover 1 (1) and attach with the screws (2) and washers (3). Refer to DET. B, sheet 1.
 - (u) Install the forward trim cover assembly 2 (5) and attach with the screws (9) and washers (10). Refer to DET. B, sheet 1.
 - (v) Install the upper forward trim cover (8) and attach with the screws (6) and washers (7). Refer to DET. B, sheet 1.
 - (w) Attach the end of the springs (51) to the door structure. Refer to VIEW E, sheet 2.
- (3) For aircraft with side-hinged main-door or POST-MOD. [S.B.145-52-0005](#), install the main-door lining panels as follows (Figure 403):
- (a) Attach the trim cover assembly (1). Refer to DET. B, sheet 1.
 - (b) Connect the rod ends to the support at the folding flap ([AMM TASK 52-18-03-400-801-A/400](#)).
 - (c) Install the main door lining (3). Attach it with the screws (5) and washers (4). Refer to DET. B, sheet 1.
 - (d) Install the assistance handle (15). Attach it with the screws (14). Refer to DET. B, sheet 1.
 - (e) Install the side-hinged main-door internal actuating handle ([AMM TASK 52-18-05-400-801-A/400](#)).
 - (f) Install the main door lining (7). Attach it with the screws (6) and washers (2). Refer to DET. B, sheet 1.
 - (g) Connect the electrical connector (10). Refer to DET. C, sheet 2.
 - (h) Install the main-door emergency light cover (9). Refer to DET. C, sheet 2.
 - (i) Set the door handle (13). Refer to DET. D, sheet 2.
 - (j) Install the retaining pin (11) and attach with the locking pins (12). Refer to DET. D, sheet 2.



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (k) Install the arm trim cover (8). Refer to DET. B, sheet 1.

J. Follow-on

SUBTASK 842-002-A

- (1) Close the main door ([AMM SDS 52-10-00/1](#)).
- (2) On the circuit breaker panel, close the MAIN DOOR 1 (Location Tip: DC BUS 1/MISCELLANEOUS/MAIN DOOR 1) and MAIN DOOR 2 (Location Tip: ESSENTIAL DC BUS 2/HOT BUS 2/MAIN DOOR 2) circuit breakers.
- (3) Do a check to see that the emergency light is O.K.

