



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

BAGGAGE-COMPARTMENT DISCHARGE PIPING - REMOVAL/INSTALLATION

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

1. General

- A. This section gives the procedures to remove and install the discharge piping of the baggage compartment fire extinguishing system.
- B. These procedures are applicable to the system piping located in the baggage compartment and rear electronic compartment.
- C. 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
26-23-05-000-801-A	DISCHARGE PIPING - REMOVAL	CLASS-C BAGGAGE COMPARTMENT
26-23-05-400-801-A	DISCHARGE PIPING - INSTALLATION	CLASS-C BAGGAGE COMPARTMENT

TASK 26-23-05-000-801-A
EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT
2. DISCHARGE PIPING - REMOVAL
A. General

- (1) This procedure gives the instructions to remove the discharge piping of the baggage compartment fire extinguishing system.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
AMM MPP 06-41-05/100	- COMPONENT LOCATION
AMM TASK 25-51-01-000-801-A/400	BAGGAGE COMPARTMENT LINING - REMOVAL

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
272	272DR	Rear electronic compartment
273	273ATC/273BTC/273CTC	Baggage compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Ladder	To get access to the rear electronic/baggage compartment	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Rear electronic/baggage compartment

I. Preparation
SUBTASK 841-002-A

- (1) On the Circuit Breaker Panel, open the BAGGAGE FIRE EXTG circuit breaker, and attach a DO-NOT-CLOSE tag to it.
- (2) Put the ladder in the work area.



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(3) Open access door 272DR (AMM MPP 06-41-01/100) to get access to the rear electronic compartment.

(4) Remove baggage lining panels 273ATC, 273BTC, and 273CTC ([AMM MPP 06-41-05/100](#)) and ([AMM TASK 25-51-01-000-801-A/400](#)) from the baggage compartment.

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

SUBTASK 020-002-A

(1) Remove the discharge piping from the rear electronic compartment as follows (Figure 401 sheet 1):

- (a) Remove the discharge piping (3) from the metering bottle (2) and from the two-way check tee valve (5), and install caps at the disconnected points.
- (b) Remove the discharge piping (4) from the high rate bottle (1) and from the two-way check tee valve (5), and install caps at the disconnected points.
- (c) Remove the bolt (8), washer (9), and clamp (10).
- (d) Remove the discharge piping (6) from the two-way check tee valve (5) and from the union (7), and install caps at the disconnected points.

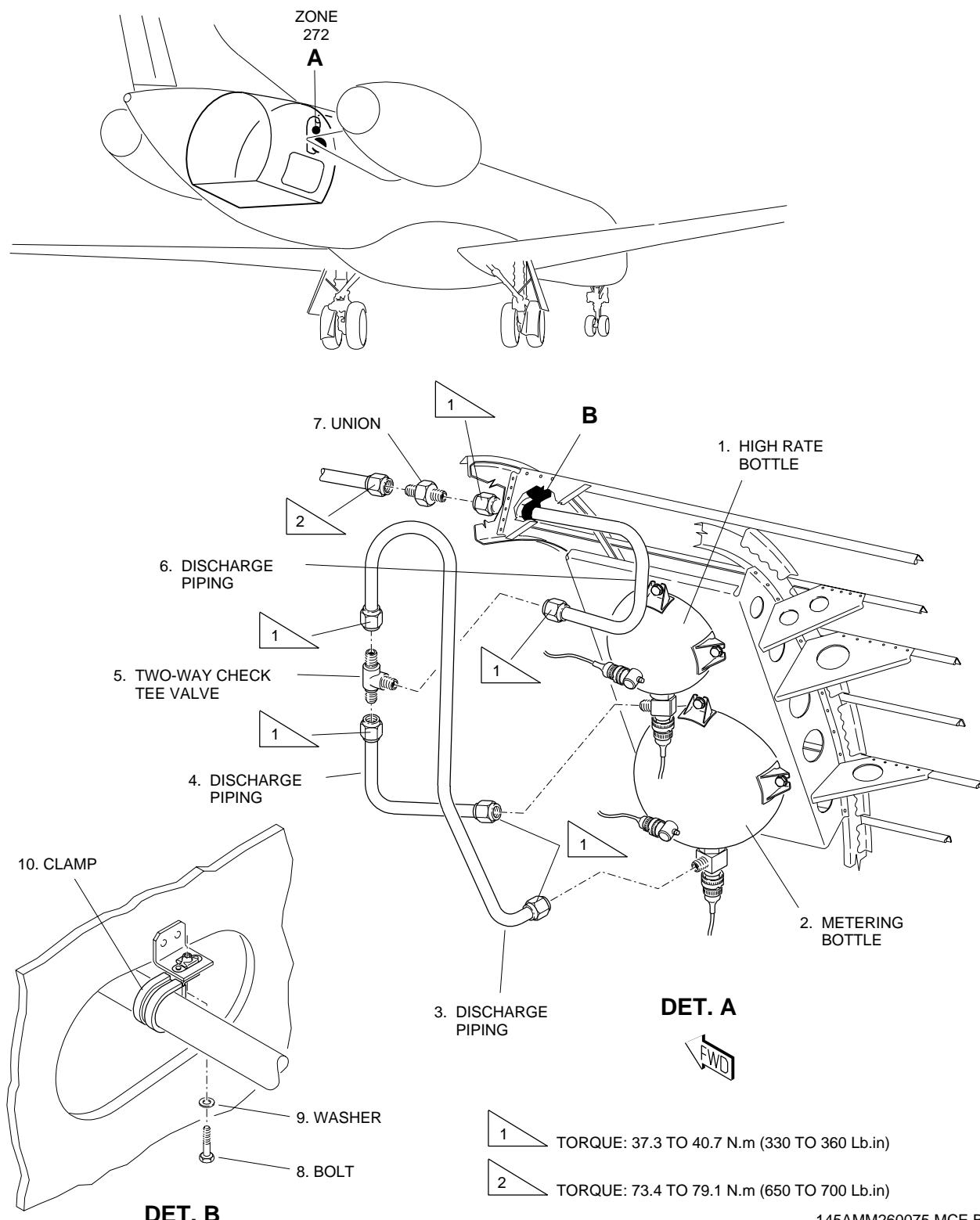
(2) Remove the discharge pipings from the baggage compartment as follows (Figure 401 sheet 2, sheet 3 and sheet 4):

- (a) Remove the discharge piping (11) from the union (7) and from the T-union (21), and install caps at the disconnected points.
- (b) Remove the 4 bolts (13), (15), (18), washers (12), (16), (19), and clamps (14), (17), (20).
- (c) Remove the bolt (27), washer (28) and clamp (29) from discharge piping (22).
- (d) Remove the bolt (31), washer (32), clamp (33), spacer (34), washer (36) and nut (37) from the clamp (35).
- (e) Remove the discharge piping (22) from the T-union (21), and install caps at the disconnected points.
- (f) Remove the clamp (33) from the discharge piping (22).
- (g) Remove the 3 bolts (26), washers (25), and clamps (24).
- (h) Remove the discharge piping (23) from the T-union (21), and install caps at the disconnected points.
- (i) Remove the bolt (27), washer (28), and clamp (29) from the discharge piping (30).
- (j) Remove the discharge piping (30) and install caps at the disconnected points.

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

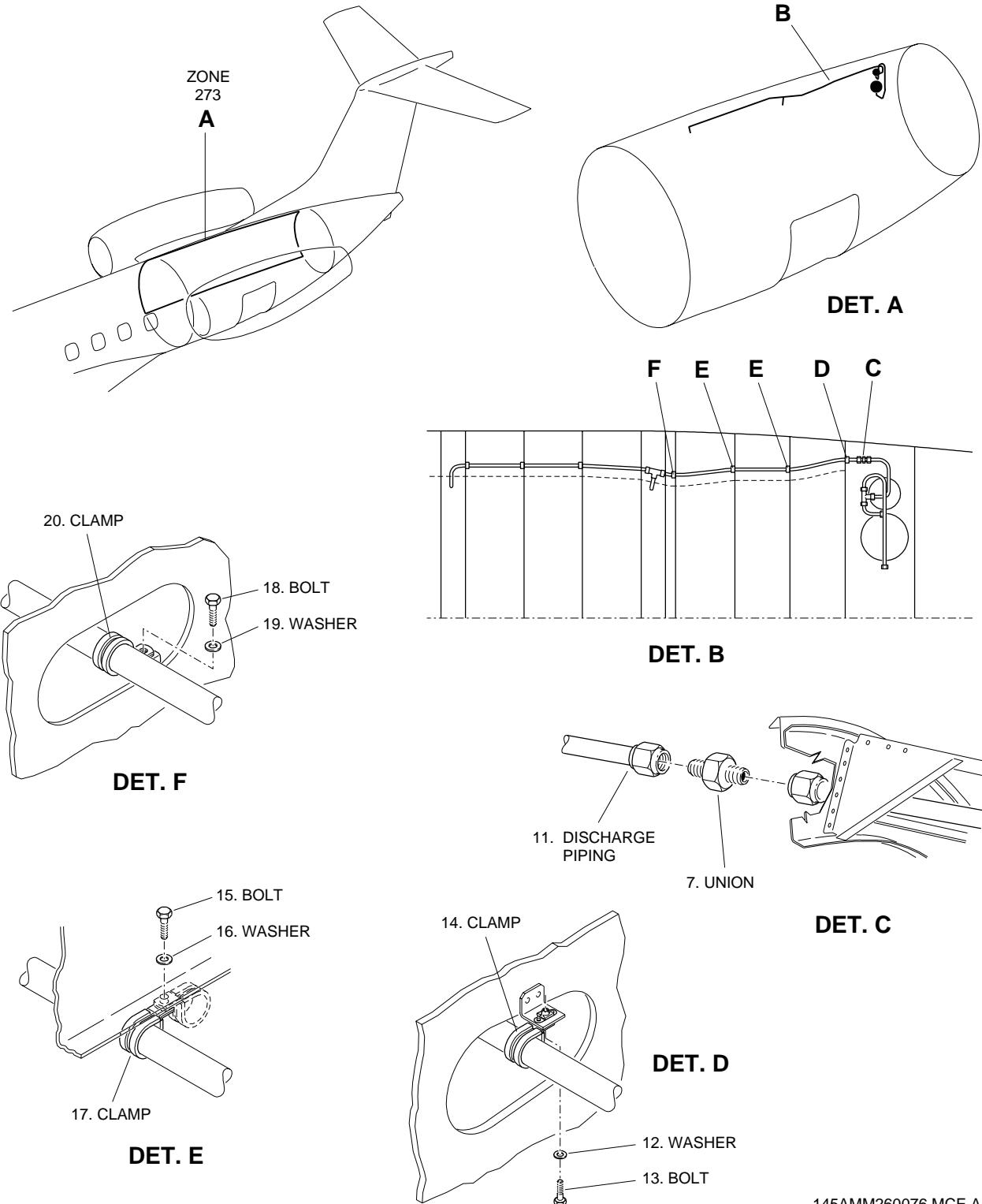
Discharge Piping of the Baggage Compartment Fire Extinguishing System- Removal/Installation

Figure 401 - Sheet 1



EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

Discharge Piping of the Baggage Compartment Fire Extinguishing System- Removal/Installation
Figure 401 - Sheet 2

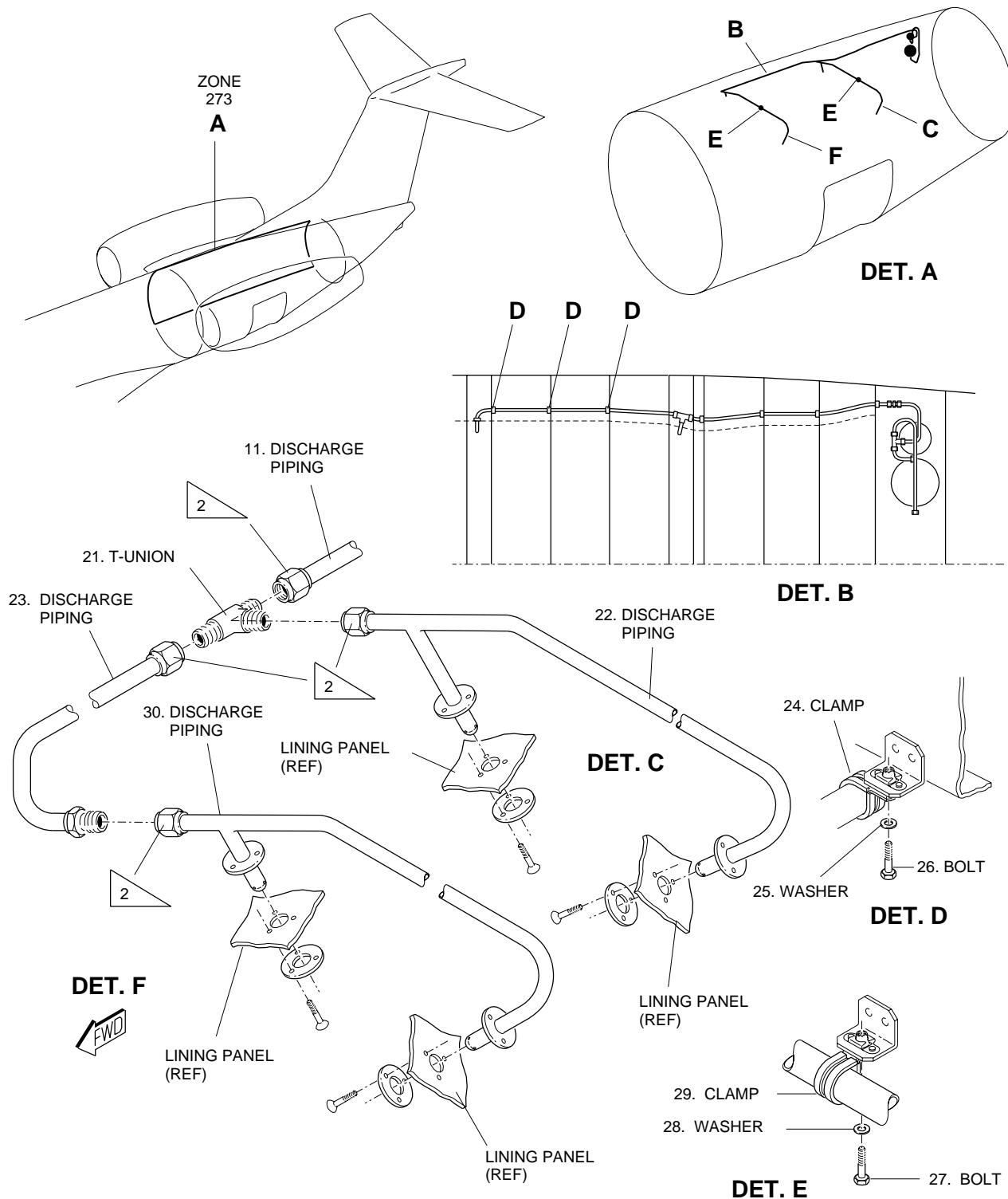


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EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

Discharge Piping of the Baggage Compartment Fire Extinguishing System- Removal/Installation

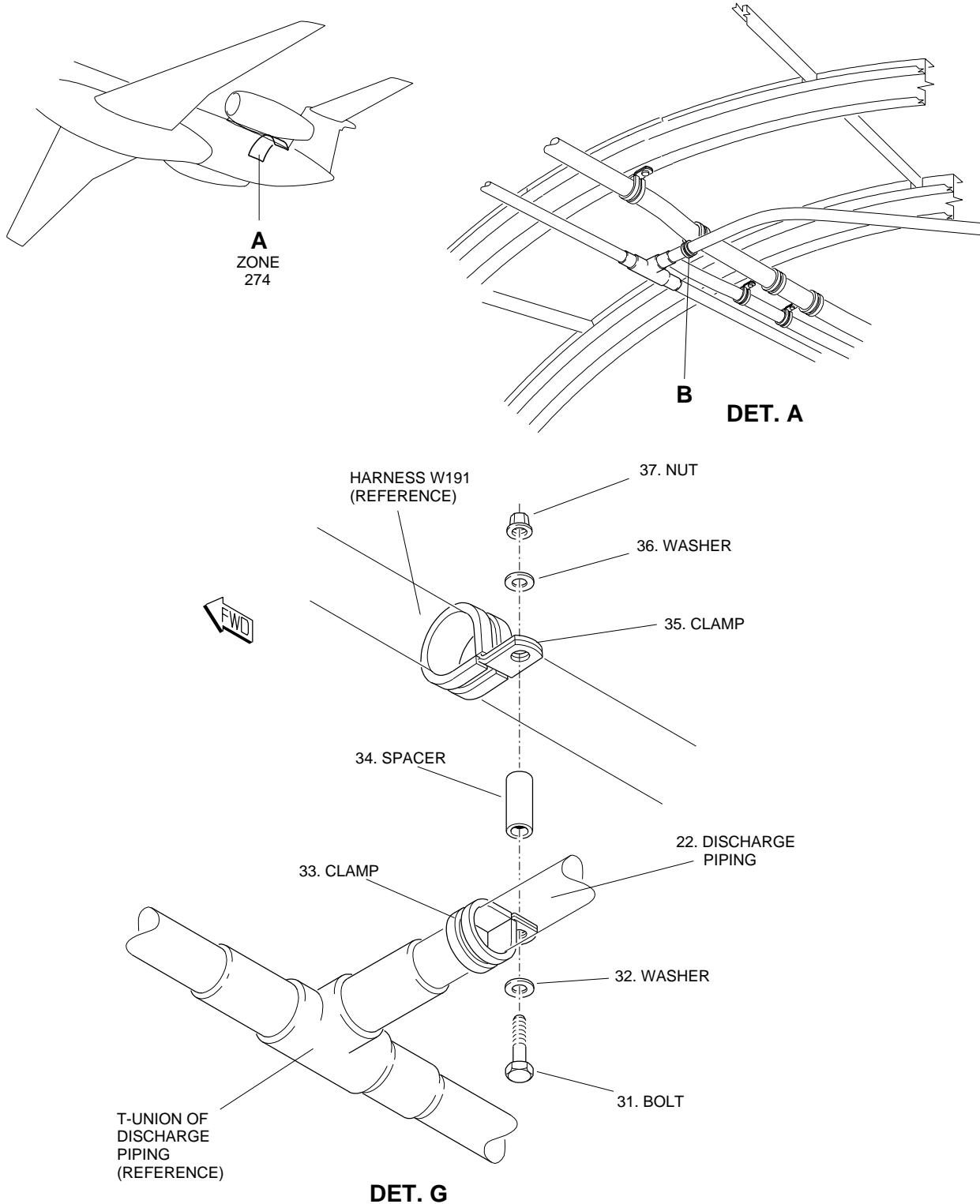
Figure 401 - Sheet 3



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EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

Discharge Piping of the Baggage Compartment Fire Extinguishing System- Removal/Installation
Figure 401 - Sheet 4



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TASK 26-23-05-400-801-A

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

3. DISCHARGE PIPING - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the discharge piping of the baggage compartment fire extinguishing system.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-05/100	- COMPONENT LOCATION
AMM TASK 25-51-01-400-801-A/400	BAGGAGE COMPARTMENT LINING - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Rear electronic compartment
273	273ATC/273BTC/273CTC	Baggage compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the rear electronic/baggage compartment	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Torque-paint	Paint	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Rear electronic/baggage compartment



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I. Installation (Figure 401)

SUBTASK 420-002-A

EFFECTIVITY: Pre-mod SB 145–26–0008/01

- (1) Install the discharge piping in the rear electronic compartment as follows (Figure 401 sheet 1):
 - (a) Remove the caps from the disconnected points, and install the discharge piping (3) at the metering bottle (2) and at the two-way check tee valve (5).
 - (b) Remove the caps from the disconnected points, and install the discharge piping (4) at the high rate bottle (1) and at the two-way check tee valve (5).
 - (c) Remove the caps from the disconnected points, and install the discharge piping (6) at the two-way check tee valve (5) and at the union (7).
 - (d) Install the clamp (10), washer (9), and bolt (8).
- (2) Install the discharge pipings in the baggage compartment as follows (Figure 401 sheet 2, sheet 3 and sheet 4):
 - (a) Remove the caps from the disconnected points, and install the discharge piping (11) at the union (7) and at the T-union (21). After torquing, apply torque-paint.
 - (b) Install the 4 clamps (14), (17), (20), washers (12), (16), (19), and bolts (13), (15), (18).
 - (c) Position the clamp (33) on the discharge piping (22).
 - (d) Remove the caps from the disconnected points, and install the discharge piping (22) at the T-union (21). After torquing, apply torque-paint.
 - (e) Install the clamp (29), washer (28), and bolt (27) at the discharge piping (22).
 - (f) Install the bolt (31), washer (32), clamp (33), spacer (34), washer (36) and nut (37) on clamp (35).
 - (g) Remove the caps from the disconnected points, and install the discharge piping (23) at the T-union (21). After torquing, apply torque-paint.
 - (h) Install the 3 clamps (24), washers (25), and bolts (26).
 - (i) Remove the caps from the disconnected points, and install the discharge piping (30). After torquing, apply torque-paint.
 - (j) Install the clamp (29), washer (28), and bolt (27) at the discharge piping (30).

SUBTASK 420-004-A

EFFECTIVITY: Post-mod SB 145–26–0008/01

- (3) Install the discharge piping in the rear electronic compartment as follows (Figure 401 sheet 1):
 - (a) Remove the caps from the disconnected points, and install the discharge piping (3) at the metering bottle (2) and at the two-way check tee valve (5).

- (b) Remove the caps from the disconnected points, and install the discharge piping (4) at the high rate bottle (1) and at the two-way check tee valve (5).
 - (c) Remove the caps from the disconnected points, and install the discharge piping (6) at the two-way check tee valve (5) and at the union (7).
 - (d) Install the clamp (10), washer (9), and bolt (8).
- (4) Install the discharge pipings in the baggage compartment as follows (Figure 401 sheet 2, sheet 3 and sheet 4):
- (a) Remove the caps from the disconnected points, and install the discharge piping (11) at the union (7) and at the T-union (21).
 - (b) Install the 4 clamps (14), (17), (20), washers (12), (16), (19), and bolts (13), (15), (18).
 - (c) Position the clamp (33) on the discharge piping (22).
 - (d) Remove the caps from the disconnected points, and install the discharge piping (22) at the T-union (21).
 - (e) Install the clamp (29), washer (28), and bolt (27) at the discharge piping (22).
 - (f) Install the bolt (31), washer (32), clamp (33), spacer (34), washer (36) and nut (37) on clamp (35).
 - (g) Remove the caps from the disconnected points, and install the discharge piping (23) at the T-union (21).
 - (h) Install the 3 clamps (24), washers (25), and bolts (26).
 - (i) Remove the caps from the disconnected points, and install the discharge piping (30).
 - (j) Install the clamp (29), washer (28), and bolt (27) at the discharge piping (30).

J. Follow-on

SUBTASK 842-002-A

- (1) On the Circuit Breaker Panel, close the BAGGAGE FIRE EXTG circuit breaker, and remove the DO-NOT-CLOSE tag from it.
- (2) Remove the ladder from the work area.
- (3) Close access door 272DR (AMM MPP 06-41-01/100).
- (4) Install baggage lining panels 273ATC/273BTC/273CTC ([AMM MPP 06-41-05/100](#)) and ([AMM TASK 25-51-01-400-801-A/400](#)) at the baggage compartment.