



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**ELECTRONIC COMPARTMENT PROTECTIVE SHIELD - REMOVAL/INSTALLATION**

*EFFECTIVITY: A/C WITH AVIONICS PROTECTIVES INSTALLED*

1. General

- A. This section gives the procedures to remove and install the avionics protectives.
- B. The avionics protectives are installed in the forward 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
21-26-11-000-801-A	AVIONICS PROTECTIVE - REMOVAL	ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED
21-26-11-400-801-A	AVIONICS PROTECTIVE - INSTALLATION	ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED



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TASK 21-26-11-000-801-A

EFFECTIVITY: ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED

2. AVIONICS PROTECTIVE - REMOVAL

A. General

- (1) This task gives the procedure to remove the avionics protectives.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113/213	113AZ/113CZ	LH side of the Forward Electronic Compartment
114/214	114BZ	RH side of the Forward Electronic Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Plastic or wooden spatula	To remove remaining adhesive tapes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Inside the Forward Electronic Compartment

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels 113AZ and 114BZ (AMM MPP 06-41-01/100).
- (2) Open door 113CZ (AMM MPP 06-41-01/100).



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

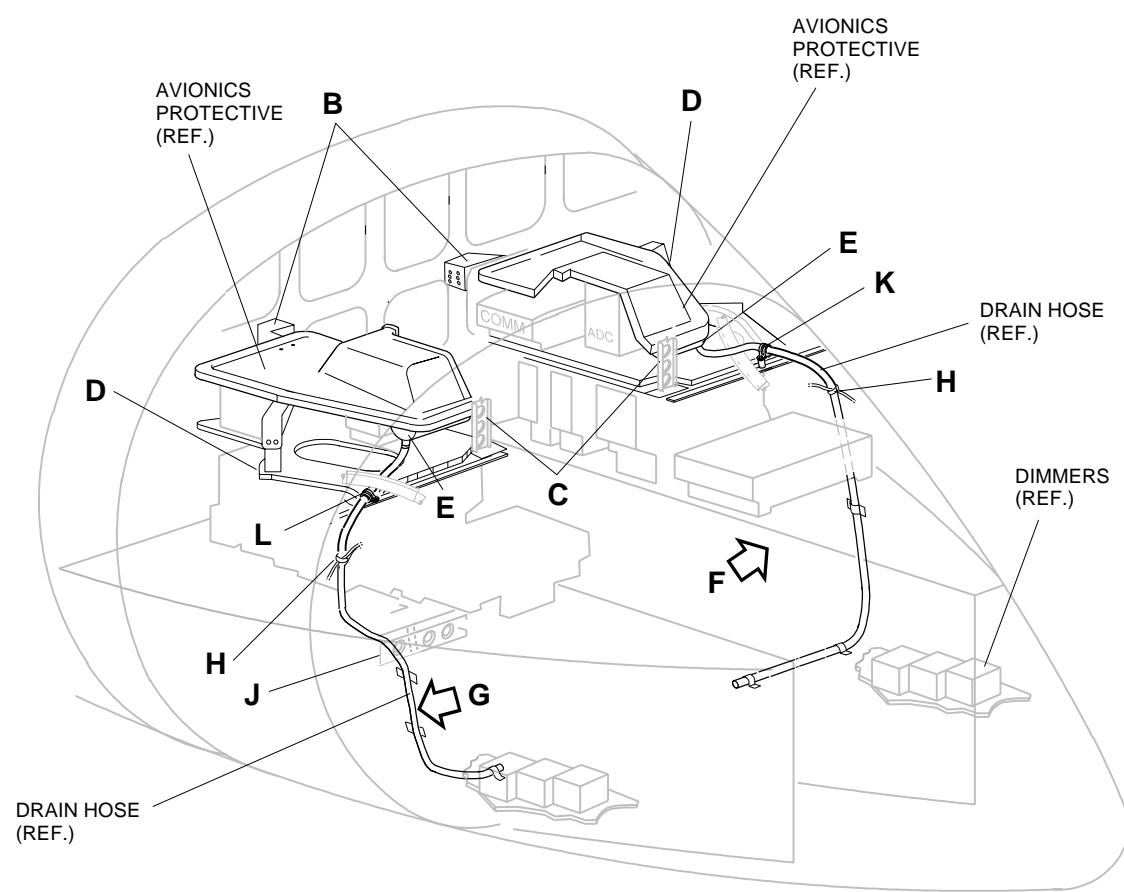
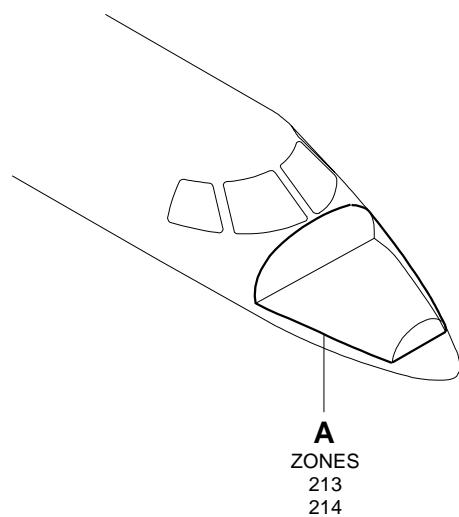
SUBTASK 020-002-A

- (1) Remove the adhesives tapes (15) and (16). Refer to Sheet 3, VIEW F and VIEW G.
- (2) Cut and remove the tiedown straps (17) and (18). Refer to Sheet 4, DET. H and DET. J.
- (3) Remove the nut (22), screw (19), washers (21), spacer (23) and clamp (20). Refer to Sheet 4, DET. K.
- (4) Remove the nut (27), screw (24), washers (26) and the clamp (25). Refer to Sheet 4, DET. L.
- (5) Loosen the clamps (13) and remove the drain hoses (14) from the avionics protective (REF.). Refer to Sheet 2, DET. E.
- (6) Remove the screws (10), washers (11) and clamps (12). Refer to Sheet 2, DET. D.
- (7) Remove the nuts (9), screws (6), washers (7) and supports (8). Refer to Sheet 2, DET. C.
- (8) Remove the screws (3), washers (4) and supports (2). Refer to Sheet 2, DET. B.
- (9) Remove the avionics protective (1). Refer to Sheet 2, DET. B.

**EFFECTIVITY: ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED**

Avionics Protective - Removal/Installation

Figure 401 - Sheet 1

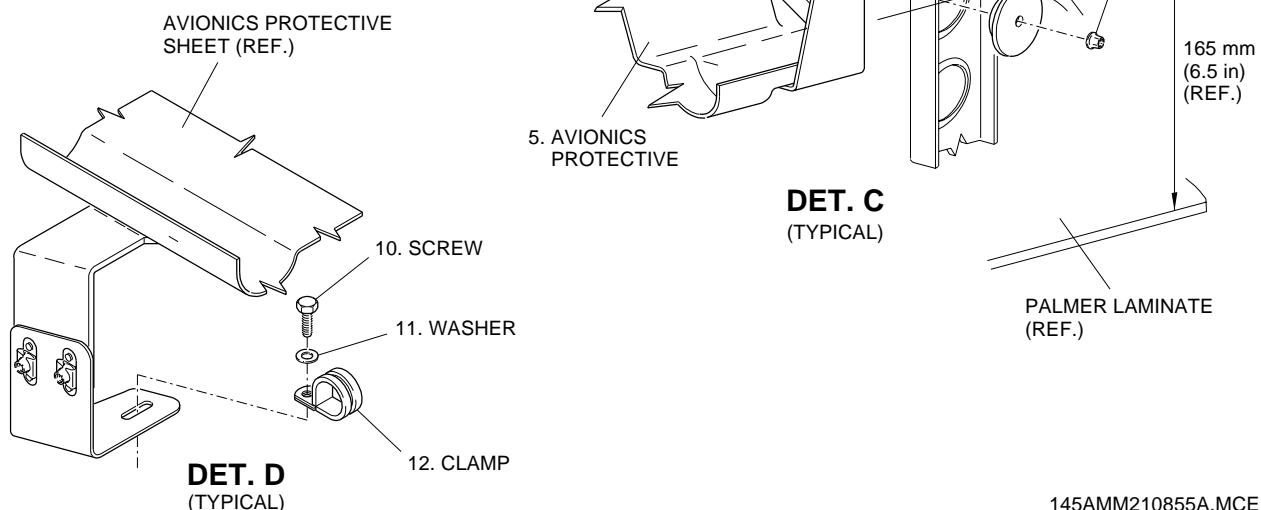
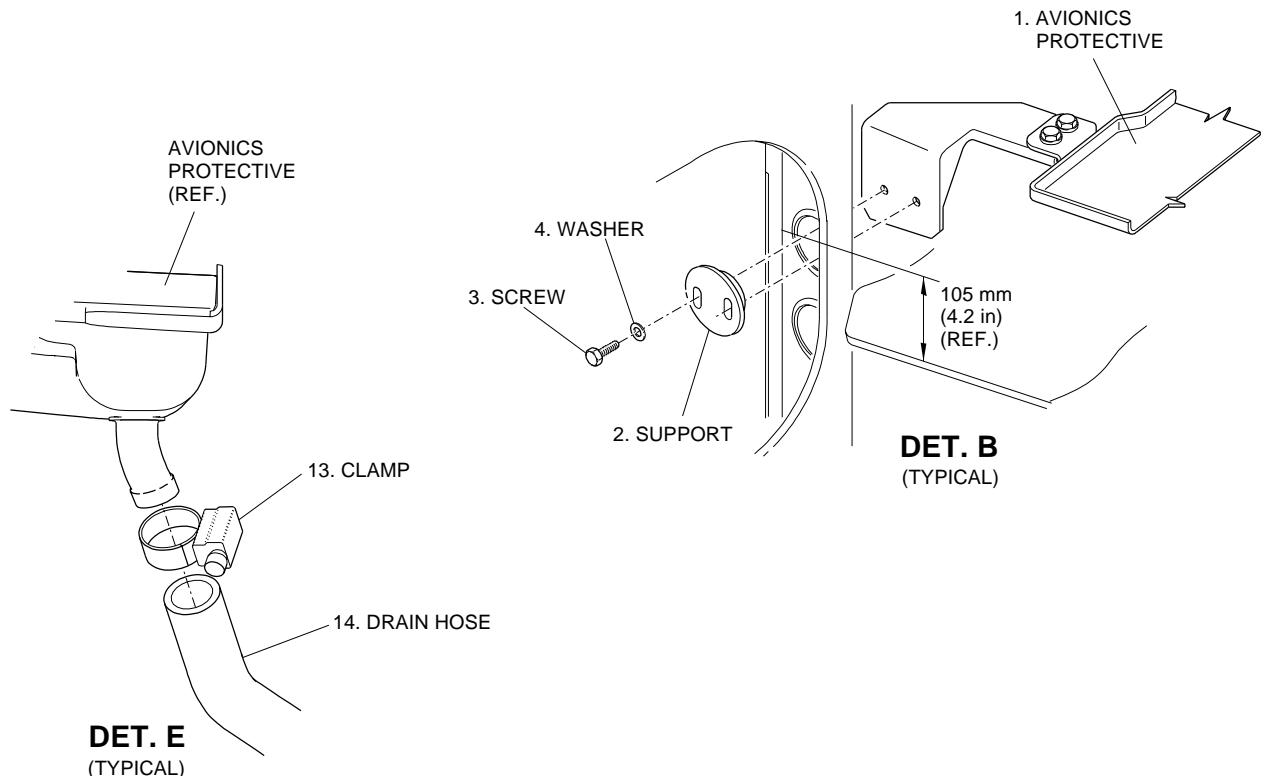


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**EFFECTIVITY: ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED**

Avionics Protective - Removal/Installation

Figure 401 - Sheet 2

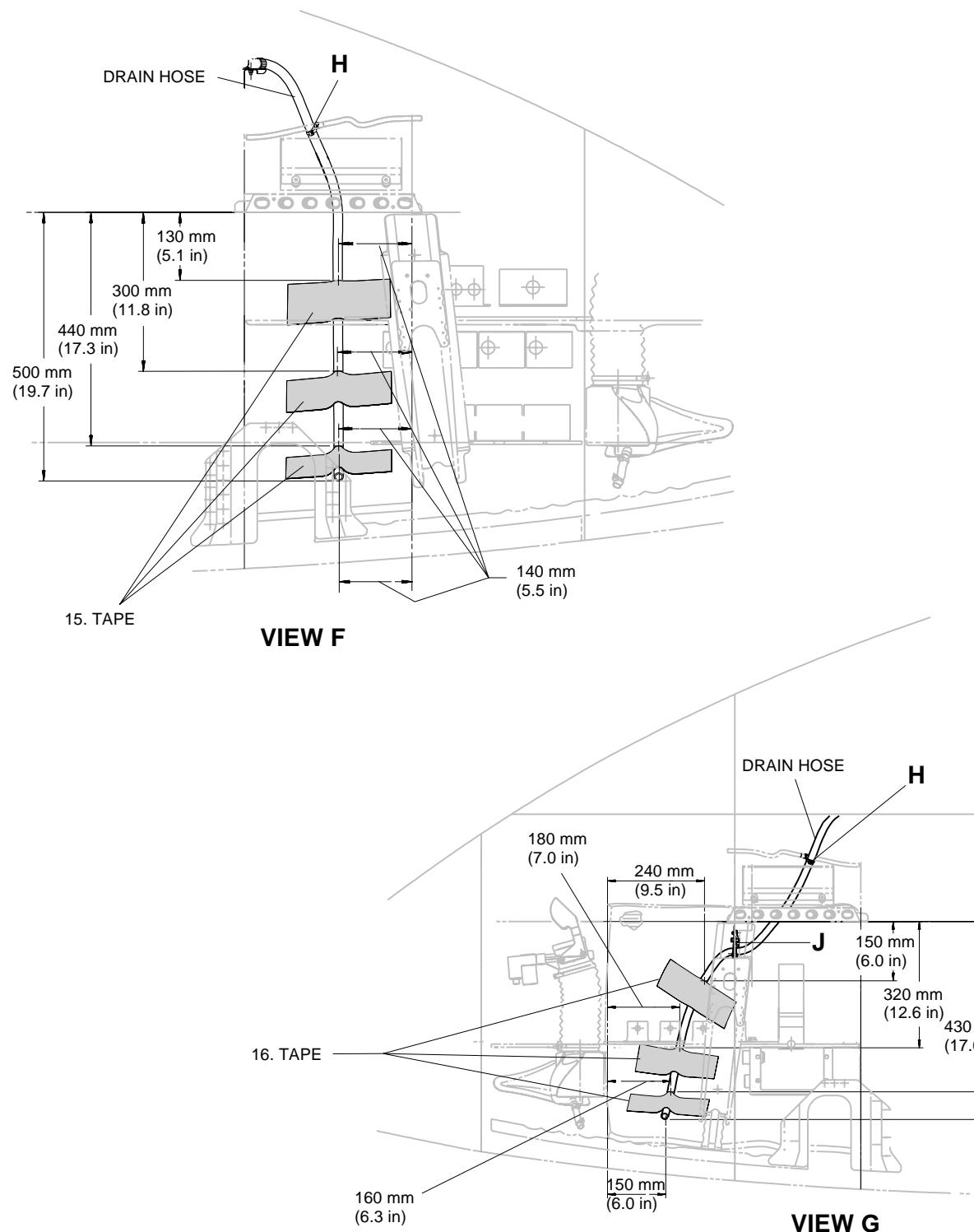


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**EFFECTIVITY: ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED**

Avionics Protective - Removal/Installation

Figure 401 - Sheet 3

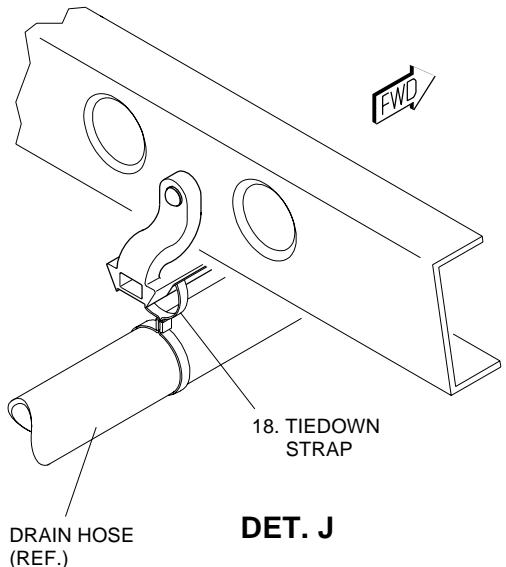
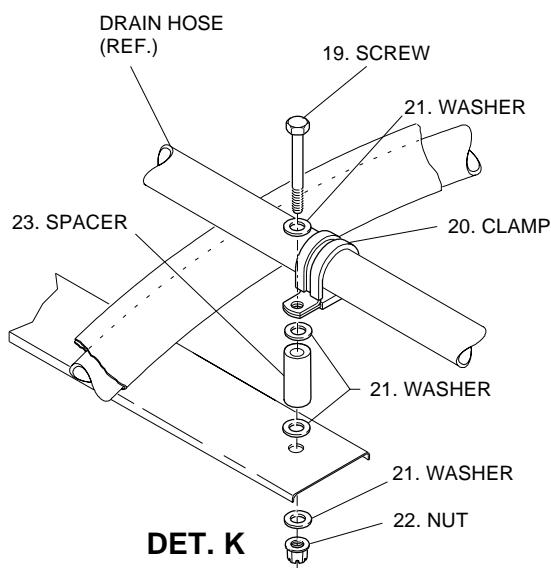
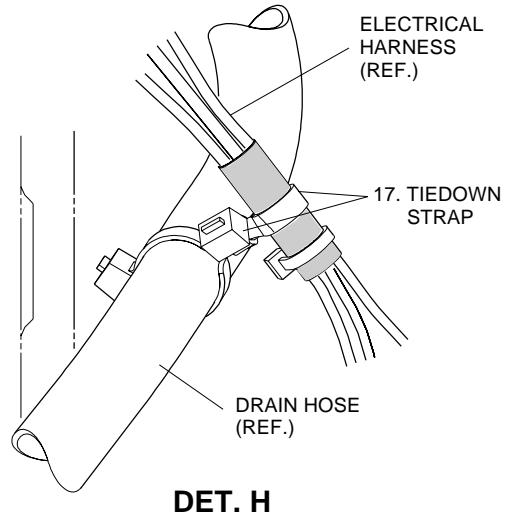
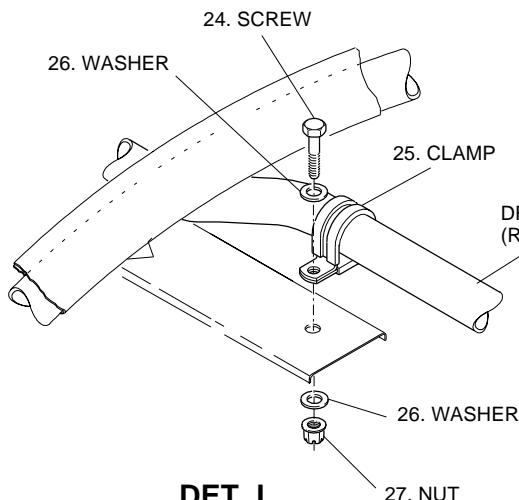


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**EFFECTIVITY: ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED**

Avionics Protective - Removal/Installation

Figure 401 - Sheet 4



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TASK 21-26-11-400-801-A

EFFECTIVITY: ONLY A/C WITH AVIONICS PROTECTIVES INSTALLED

3. AVIONICS PROTECTIVE - INSTALLATION

A. General

- (1) This task gives the procedure to install the avionics protectives.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113/213	113AZ/113CZ	LH side of the Forward Electronic Compartment
114/214	114BZ	RH side of the Forward Electronic Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
KB42/75	Adhesive Tape	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Inside the Forward Electronic Compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the avionics protectives (1) in position. Refer to Sheet 2, DET. B.
- (2) Install the supports (2), washers (4) and screws (3). Refer to Sheet 2, DET. B.
- (3) Put the avionics protectives (5) in position. Refer to Sheet 2, DET. C.



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- (4) Install the support (8), washers (7), screws (6) and nuts (9). Refer to Sheet 2, DET. C.
- (5) Put the avionics protectives in position. Refer to Sheet 2, DET. D.
- (6) Install the clamps (12), washers (11) and screws (10). Refer to Sheet 2, DET. D.
- (7) Connect the drain hoses (14) to the avionics protectives and tighten the clamp (13). Refer to Sheet 2, DET. E.
- (8) Apply the adhesives tape at positions (15) and (16). Refer to Sheet 3, VIEW F and VIEW G.
- (9) Install tiedown straps at positions (17) and (18). Refer to Sheet 4, DET. H and DET. J.
- (10) Install the clamp (20), washers (21), screw (19), spacer (23) and nut (22). Refer to Sheet 4, DET. K.
- (11) Install the clamp (25), washers (26), screws (24) and nut (27). Refer to Sheet 4, DET. L.

J. Follow-on (Figure 401)

SUBTASK 842-002-A

- (1) Install access panels 113AZ and 114BZ (AMM MPP 06-41-01/100).
- (2) Close door 113CZ (AMM MPP 06-41-01/100).

