

LH/RH LATERAL CONSOLES - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove and install the LH/RH lateral consoles.
- 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 |
|--------------------|--|--------------------------|
| 25-12-10-000-801-A | COCKPIT LH/RH LATERAL CONSOLES - REMOVAL | ACFT MODEL(S) EMB-145 |
| 25-12-10-400-801-A | COCKPIT LH/RH LATERAL CONSOLES - INSTALLATION | ACFT MODEL(S) EMB-145 |

TASK 25-12-10-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. COCKPIT LH/RH LATERAL CONSOLES - REMOVAL

A. General

(1) This task gives the procedure to remove the LH/RH lateral consoles.

B. References

| REFERENCE | DESIGNATION |
|---|---|
| AMM TASK 20-13-10-000-801-A/400 | CONTROL PANELS - REMOVAL (TYPICAL) |
| AMM TASK 21-32-01-000-801-A/400 | CABIN-PRESSURE ACQUISITION MODULE - REMOVAL |
| AMM TASK 25-12-08-000-801-A/400 | - |
| AMM TASK 32-50-01-000-801-A/400 | STEERING HANDLE WHEEL - REMOVAL |
| AMM TASK 34-61-03-000-801-A/400 | DATA LOADER - REMOVAL |
| AMM TASK 35-10-09-000-801-A/400 | CREW-MASK STOWAGE BOX - REMOVAL |

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 | LH/RH Cockpit |

I. Preparation

SUBTASK 841-006-B

- (1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
 - (a) PAX OXY DEPLOY 1 circuit breaker (Location tip: ESSENTIAL DC BUS 1/ MISCELLANEOUS/PASS OXY DEPLOY 1).
 - (b) PAX OXY DEPLOY 2 circuit breaker (Location tip: ESSENTIAL DC BUS 2/ COMM/PASS OXY DEPLOY 2).

- (c) STEER circuit breaker (Location tip: DC BUS 2/LDG GEAR/STEER).
- (2) Remove the oxygen control panel ([AMM TASK 20-13-10-000-801-A/400](#)).
- (3) Remove the LH/RH complement consoles (AMM TASK 25-12-08-000-801-A/400).
- (4) Remove the crew oxygen mask ([AMM TASK 35-10-09-000-801-A/400](#)).

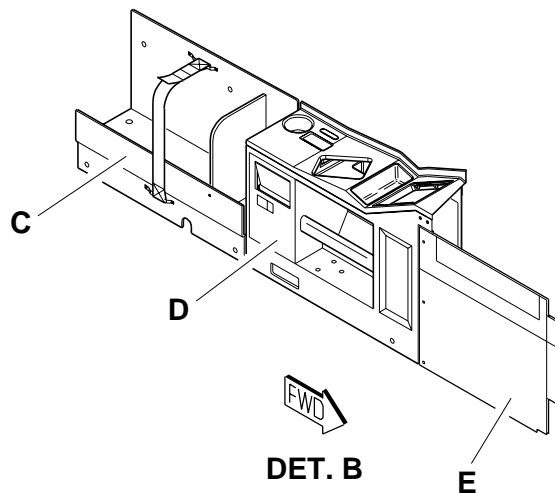
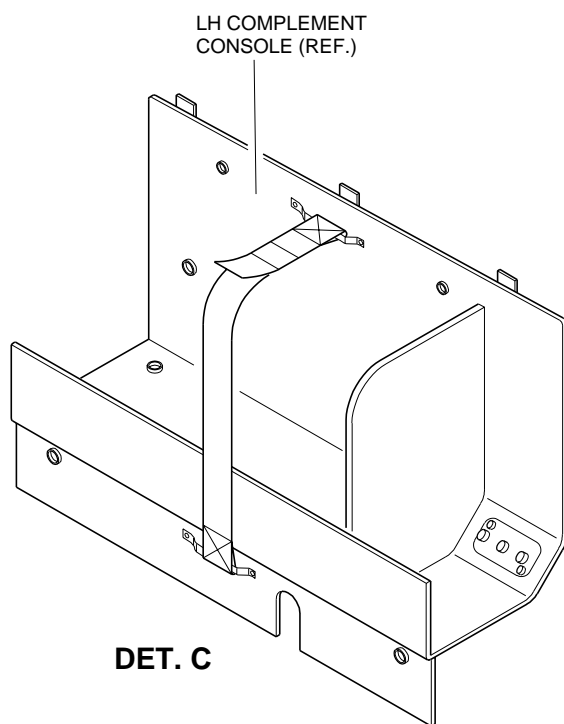
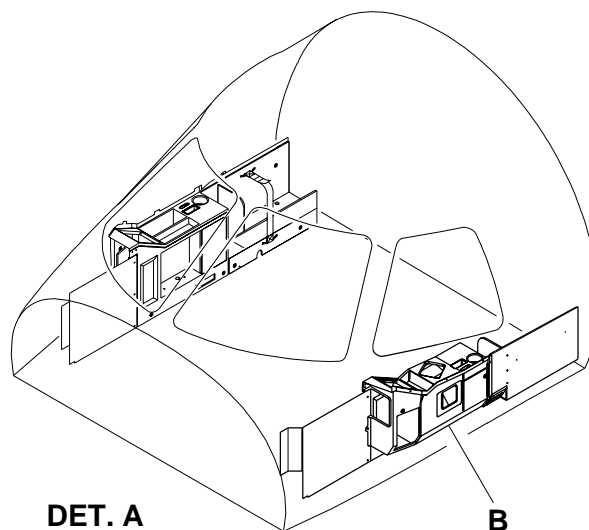
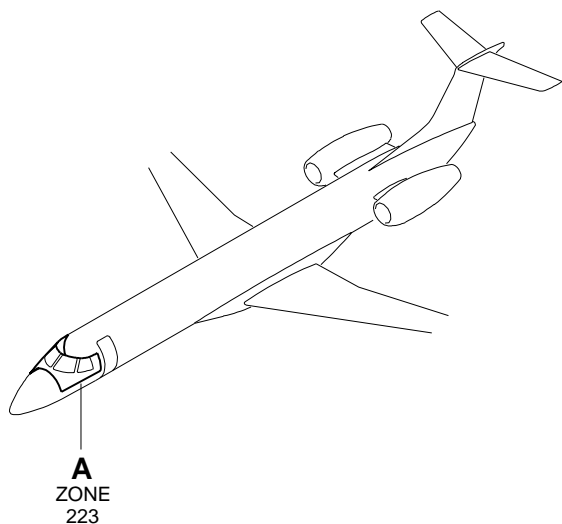
J. Removal ([Figure 401](#)) ([Figure 402](#)) ([Figure 403](#))

SUBTASK 020-006-B

- (1) Remove the LH lateral console (refer to Figure 401, sheets 1 and 2) as follows:
 - (a) Remove the steering handle wheel ([AMM TASK 32-50-01-000-801-A/400](#)).
 - (b) Remove the data loader ([AMM TASK 34-61-03-000-801-A/400](#)), if applicable.
 - (c) Open the waste container access door (7).
 - (d) Remove the waste container (4).
 - (e) In the waste compartment, remove the screws (6) and washers (5). Refer to DET. F.
 - (f) Remove the screws (3) and washers (2) that attach the cover (1). Refer to DET. E.
 - (g) In the crew oxygen mask compartment, remove the screws (13) and washers (14) that attach the LH lateral console (12). Refer to DET. G.
 - (h) Remove the screws (11) and washers (10) that attach the LH lateral console (12). Refer to DET. G.
 - (i) Remove the screws (9) and washers (8) that attach the LH lateral console (12). Refer to DET. G.
 - (j) Remove the LH lateral console (12).
- (2) For aircraft without cockpit 12 V DC electrical outlet, remove the RH lateral console (refer to Figure 402, sheets 1 and 2) as follows:
 - (a) Open the waste container access door (5). Refer to DET. F.
 - (b) Remove the waste container (4).
 - (c) In the waste compartment, remove the screws (7) and washers (6). Refer to DET. F.
 - (d) Remove the screws (3) and washers (2) that attach the cover (1). Refer to DET. E.
 - (e) Remove the cabin pressure acquisition module ([AMM TASK 21-32-01-000-801-A/400](#)).
 - (f) In the crew oxygen mask compartment, remove the screws (9) and washers (8) that attach the RH lateral console (12). Refer to DET. G.

- (g) Remove the screws (10) and washers (11) that attach the RH lateral console (12). Refer to DET. G.
- (h) Remove the RH lateral console (12).
- (3) For aircraft with cockpit 12 V DC electrical outlet, remove the RH lateral console (refer to Figure 403, sheets 1 and 2) as follows:
 - (a) Open the waste container access door (5). Refer to DET. F.
 - (b) Remove the waste container (4).
 - (c) In the waste compartment, remove the screws (7) and washers (6). Refer to DET. F.
 - (d) Remove the screws (3) and washers (2) that attach the cover (1). Refer to DET. E.
 - (e) Remove the cabin pressure acquisition module ([AMM TASK 21-32-01-000-801-A/400](#)).
 - (f) In the crew oxygen mask compartment, for aircraft with cockpit 12 V DC electrical outlet (14), disconnect the splices (13) from it. Refer to DET. H.
 - (g) In the crew oxygen mask compartment, remove the screws (9) and washers (8) that attach the RH lateral console (12). Refer to DET. G.
 - (h) Remove the screws (10) and washers (11) that attach the RH lateral console (12). Refer to DET. G.
 - (i) Remove the RH lateral console (12).

EFFECTIVITY: ACFT MODEL(S) EMB-145
LH Lateral Console - Removal/Installation
Figure 401 - Sheet 1

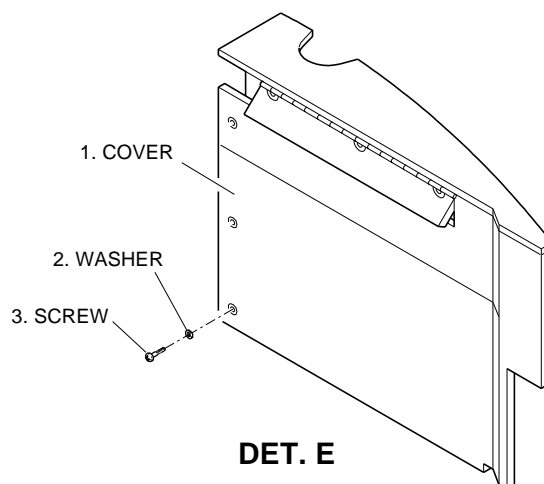
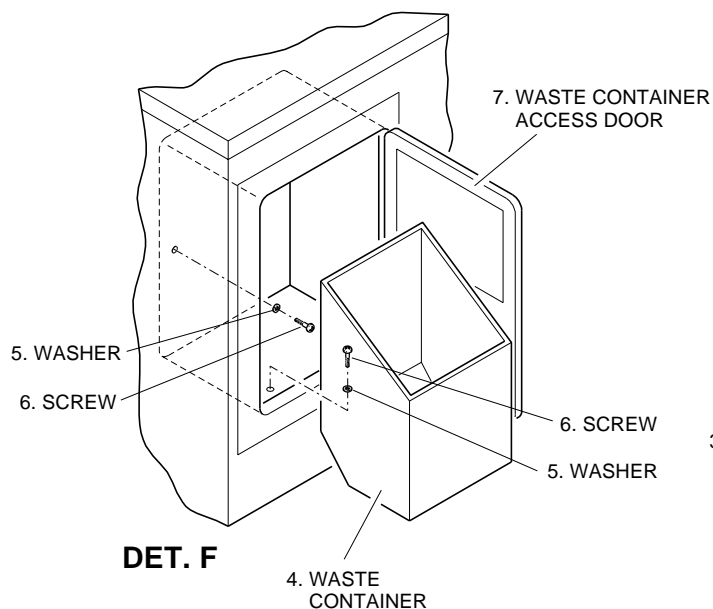
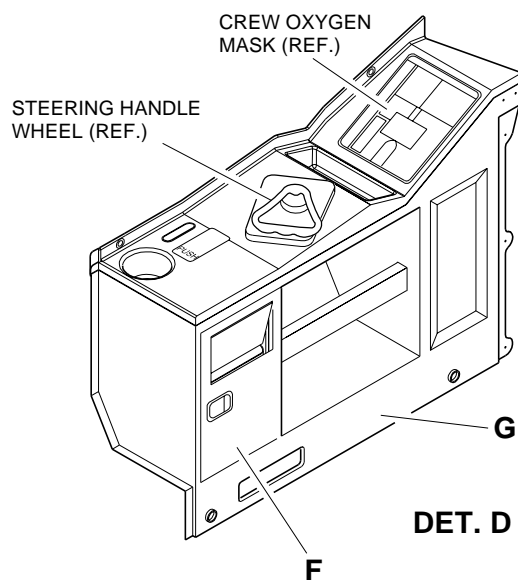
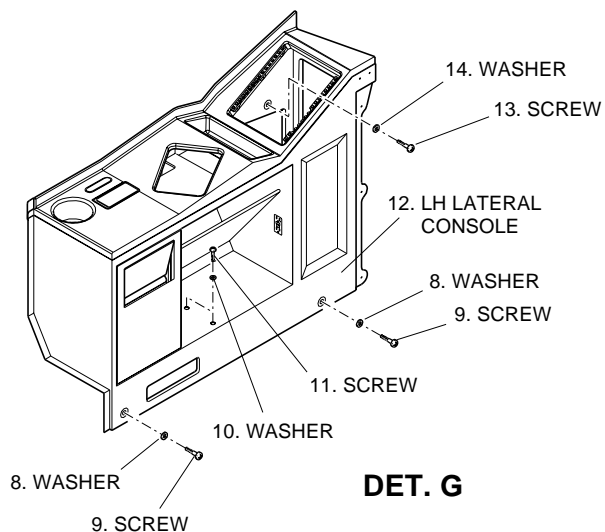


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EFFECTIVITY: ACFT MODEL(S) EMB-145

LH Lateral Console - Removal/Installation

Figure 401 - Sheet 2

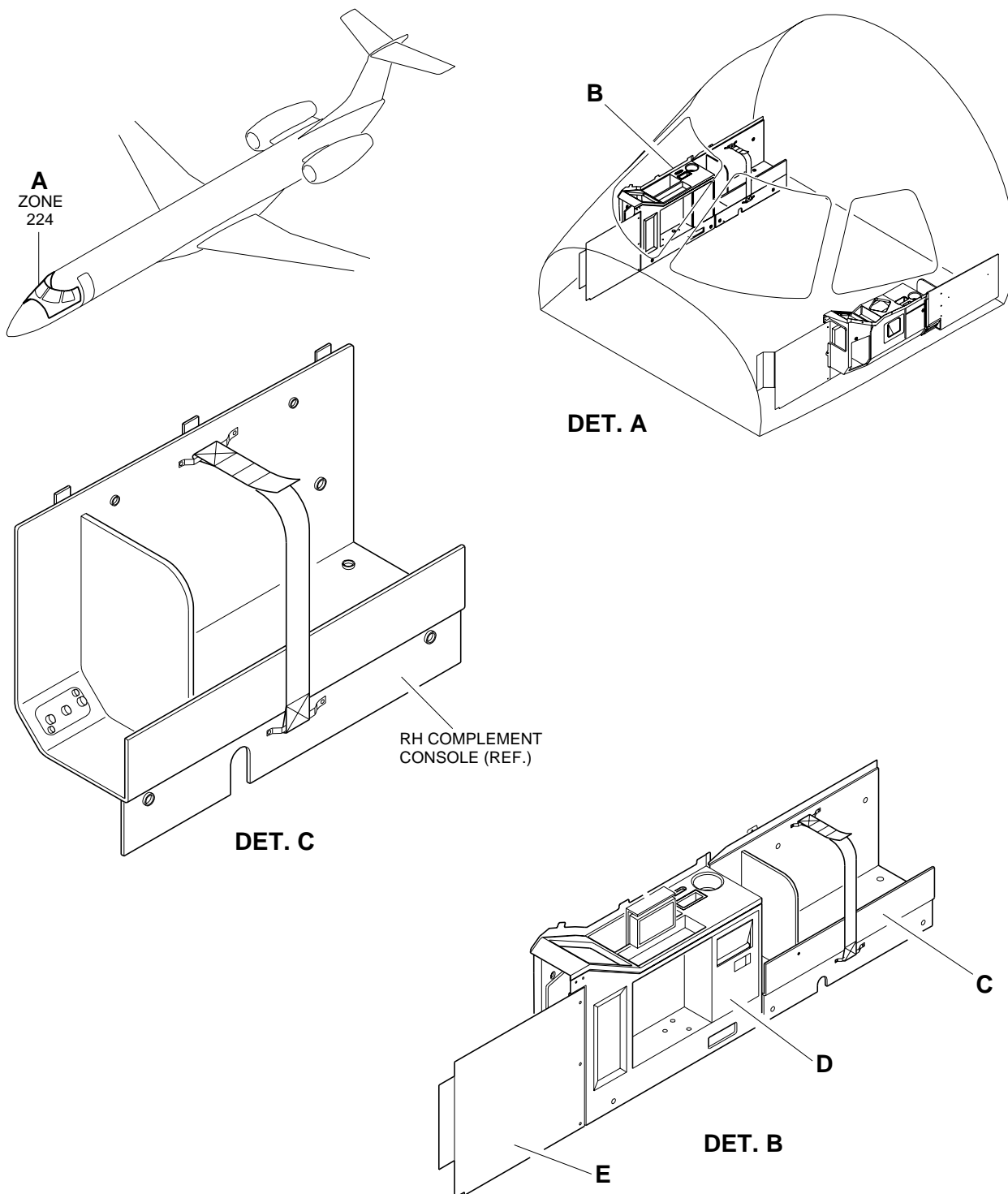


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EFFECTIVITY: FOR AIRCRAFT WITHOUT COCKPIT 12 V DC ELECTRICAL OUTLET

RH Lateral Console - Removal/Installation

Figure 402 - Sheet 1

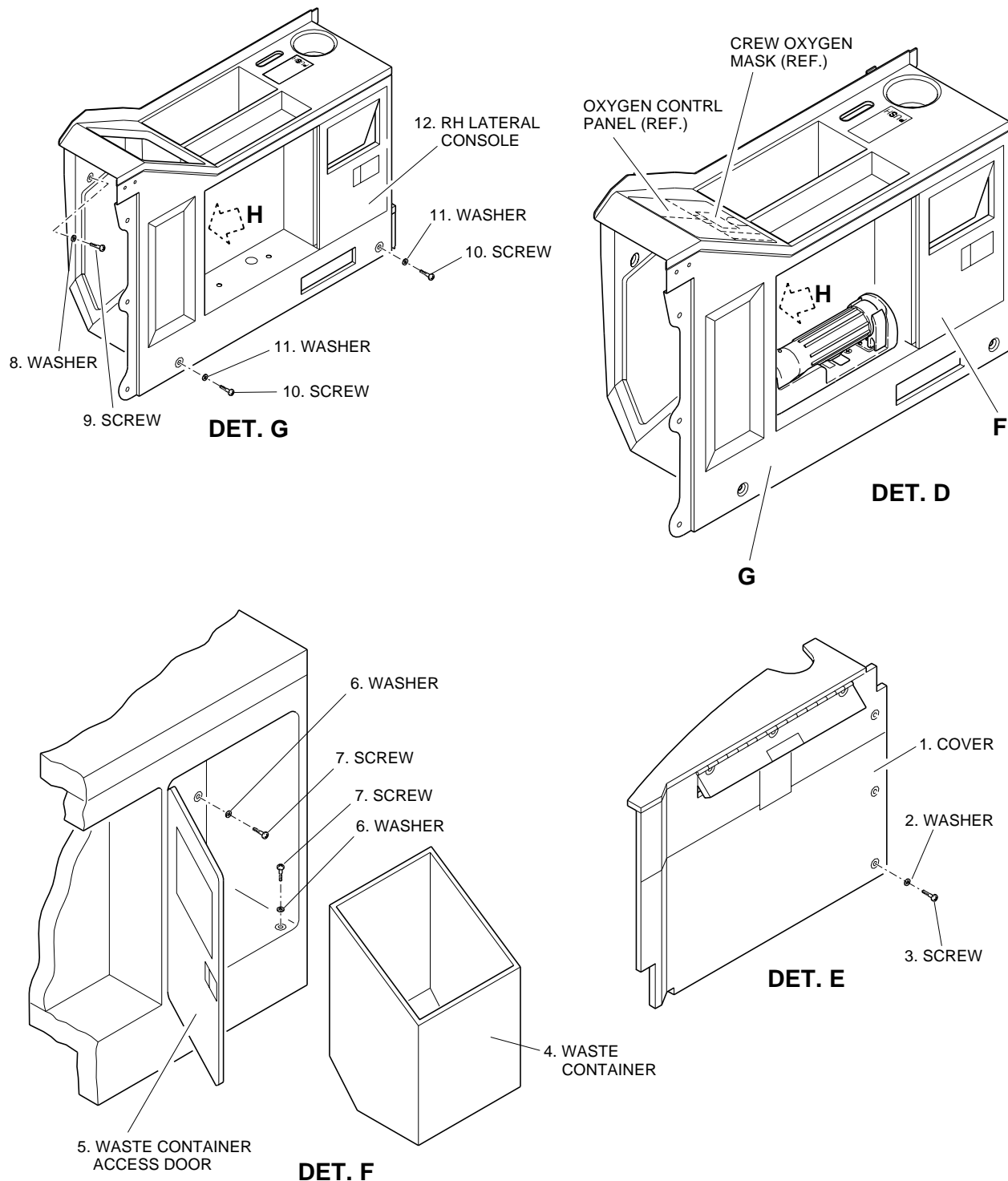


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EFFECTIVITY: FOR AIRCRAFT WITHOUT COCKPIT 12 V DC ELECTRICAL OUTLET

RH Lateral Console - Removal/Installation

Figure 402 - Sheet 2

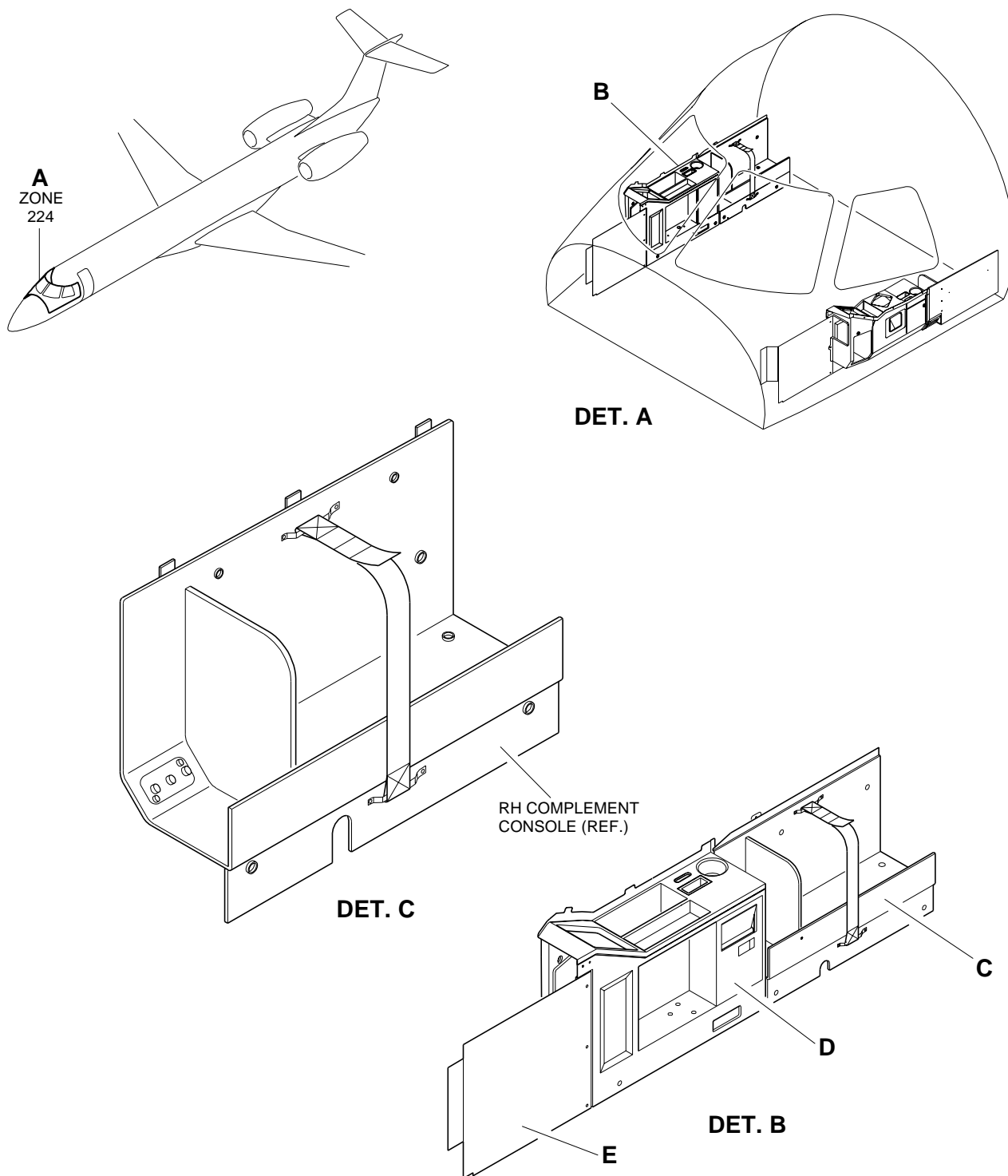


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EFFECTIVITY: FOR AIRCRAFT WITH COCKPIT 12 V DC ELECTRICAL OUTLET

RH Lateral Console - Removal/Installation

Figure 403 - Sheet 1

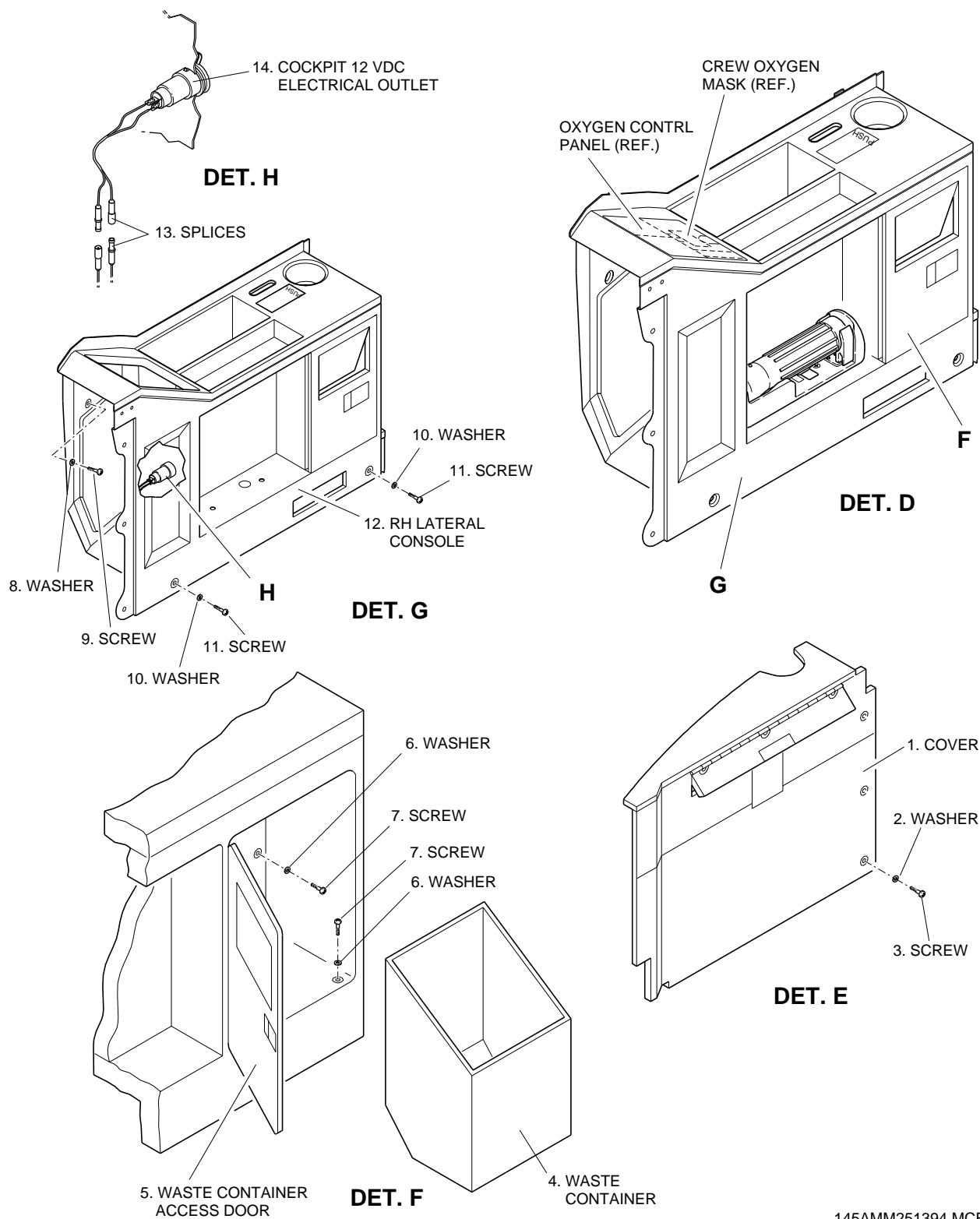


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EFFECTIVITY: FOR AIRCRAFT WITH COCKPIT 12 V DC ELECTRICAL OUTLET

RH Lateral Console - Removal/Installation

Figure 403 - Sheet 2



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TASK 25-12-10-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. COCKPIT LH/RH LATERAL CONSOLES - INSTALLATION

A. General

(1) This task gives the procedure to install the LH/RH lateral consoles.

B. References

| REFERENCE | DESIGNATION |
|---|---|
| AMM TASK 20-13-10-400-801-A/400 | CONTROL PANELS - INSTALLATION (TYPICAL) |
| AMM TASK 21-32-01-400-801-A/400 | CABIN-PRESSURE ACQUISITION MODULE - INSTALLATION |
| AMM TASK 21-32-01-700-801-A/500 | CABIN-PRESSURE ACQUISITION MODULE - FUNCTIONAL TEST |
| AMM TASK 25-12-08-400-801-A/400 | - |
| AMM TASK 32-50-01-400-801-A/400 | STEERING HANDLE WHEEL - INSTALLATION |
| AMM TASK 32-50-01-700-801-A/500 | STEERING HANDLE WHEEL POTENTIOMETER - ADJUSTMENT |
| AMM TASK 34-61-00-470-801-A/200 | NAVIGATION DATA BASE - LOADING |
| AMM TASK 34-61-03-400-801-A/400 | DATA LOADER - INSTALLATION |
| AMM TASK 35-10-00-700-801-A/500 | CREW OXYGEN MASK - OPERATIONAL CHECK |
| AMM TASK 35-10-09-400-801-A/400 | CREW-MASK STOWAGE BOX - INSTALLATION |

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 | LH/RH Cockpit |

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

SUBTASK 420-006-B

(1) Install the LH lateral console (refer to Figure 401, sheets 1 and 2) as follows:

- (a) Put the LH lateral console (12) in its original position.
 - (b) Tighten the screws (9) and washers (8) that attach the LH lateral console (12). Refer to DET. G.
 - (c) Tighten the screws (11) and washers (10) that attach the LH lateral console (12). Refer to DET. G.
 - (d) In the crew oxygen mask compartment, tighten the screws (13) and washers (14) that attach the LH lateral console (12). Refer to DET. G.
 - (e) Install the cover (1) with washers (2) and screws (3). Refer to DET. E.
 - (f) In the waste compartment, tighten the screws (6) and washers (5). Refer to DET. F.
 - (g) Put the waste container (4) in its original position.
 - (h) Close the waste container access door (7).
 - (i) Install the steering handle wheel ([AMM TASK 32-50-01-400-801-A/400](#)).
 - (j) Install the data loader ([AMM TASK 34-61-03-400-801-A/400](#)), if applicable.
- (2) For aircraft without cockpit 12 V DC electrical outlet, install the RH lateral console (refer to Figure 402, sheets 1 and 2) as follows:
- (a) Put the RH lateral console (12) in its original position.
 - (b) Tighten the screws (10) and washers (11) that attach the RH lateral console (12). Refer to DET. G.
 - (c) In the crew oxygen mask compartment, tighten the screws (10) and washers (11) that attach the RH lateral console (12). Refer to DET. G.
 - (d) Install the cabin pressure acquisition module ([AMM TASK 21-32-01-400-801-A/400](#)).
 - (e) Install the cover (1) with washers (2) and screws (3). Refer to DET. E.
 - (f) In the waste compartment, tighten the screws (7) and washers (6). Refer to DET. F.
 - (g) Put the waste container (4) in its original position. Refer to DET. F.
 - (h) Close the waste container access door (5).
- (3) For aircraft with cockpit 12 V DC electrical outlet, install the RH lateral console (refer to Figure 403, sheets 1 and 2) as follows:
- (a) Put the RH lateral console (12) in its original position.
 - (b) Tighten the screws (10) and washers (11) that attach the RH lateral console (12). Refer to DET. G.

- (c) In the crew oxygen mask compartment, tighten the screws (10) and washers (11) that attach the RH lateral console (12). Refer to DET. G.
- (d) In the crew oxygen mask compartment, for aircraft with cockpit 12 V DC electrical outlet (14), connect the splices (13) to it. Refer to DET. H.
- (e) Install the cabin pressure acquisition module ([AMM TASK 21-32-01-400-801-A/400](#)).
- (f) Install the cover (1) with washers (2) and screws (3). Refer to DET. E.
- (g) In the waste compartment, tighten the screws (7) and washers (6). Refer to DET. F.
- (h) Put the waste container (4) in its original position. Refer to DET. F.
- (i) Close the waste container access door (5).

J. Follow-on

SUBTASK 842-006-B

- (1) Install the oxygen control panel ([AMM TASK 20-13-10-400-801-A/400](#)).
- (2) Install the LH/RH complement consoles (AMM TASK 25-12-08-400-801-A/400).
- (3) Install the crew oxygen mask ([AMM TASK 35-10-09-400-801-A/400](#)).
- (4) On the circuit breaker panel, close the circuit breakers and remove the DO-NOT-CLOSE tags from them, as follows:
 - (a) PAX OXY DEPLOY 1 circuit breaker (Location tip: ESSENTIAL DC BUS 1/ MISCELLANEOUS/PASS OXY DEPLOY 1).
 - (b) PAX OXY DEPLOY 2 circuit breaker (Location tip: ESSENTIAL DC BUS 2/ COMM/PASS OXY DEPLOY 2).
 - (c) STEER circuit breaker (Location tip: DC BUS 2/LDG GEAR/STEER).
- (5) Do an operational test on the crew oxygen mask system ([AMM TASK 35-10-00-700-801-A/500](#)).
- (6) Do a functional test on the cabin pressure acquisition module ([AMM TASK 21-32-01-700-801-A/500](#)).
- (7) Do an operational test on the steering handle wheel system ([AMM TASK 32-50-01-700-801-A/500](#)).
- (8) Do the Navigation Database Loading ([AMM TASK 34-61-00-470-801-A/200](#)).

NOTE: The Navigation Database Loading process is necessary to operationally test the Data Loader component.

